0000128635

APPLICATION
W-01445A-11-0310

PART 4 OF 7
BARCODE # 0000128635

To review Part 1 please see:
BARCODE #0000128632

To review Part 2 please see:
BARCODE # 0000128633

To review Part 3 please see:
BARCODE # 0000128634

To review Part 5 please see:
BARCODE # 0000128636

To review Part 6 please see:
BARCODE #0000128637

To review Part 7 please see:
BARCODE #0000128638

Winkelman

ARIZONA WATER COMPANY
Test Year Ended December 31, 2010
Bill Count

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	51	51	3.18%	1,605	0	-	-	-
2	0.1	1.0	120	171	10.65%	1,554	62.9	62.9	1,434.0	1,496.9
3	1.1	2.0	78	249	15.51%	1,434	119.1	182.0	2,712.0	2,894.0
4	2.1	3.0	99	348	21.68%	1,356	253.9	435.9	3,771.0	4,206.9
5	3.1	4.0	140	488	30.40%	1,257	498.9	934.8	4,468.0	5,402.8
6	4.1	5.0	126	614	38.26%	1,117	571.3	1,506.1	4,955.0	6,461.1
7	5.1	6.0	118	732	45.61%	991	655.4	2,161.5	5,238.0	7,399.5
8	6.1	7.0	111	843	52.52%	873	723.3	2,884.8	5,334.0	8,218.8
9	7.1	8.0	84	927	57.76%	762	634.3	3,519.1	5,424.0	8,943.1
10	8.1	9.0	88	1,015	63.24%	678	748.7	4,267.8	5,310.0	9,577.8
11	9.1	10.0	66	1,081	67.35%	590	631.2	4,899.0	5,240.0	10,139.0
12	10.1	11.0	64	1,145	71.34%	524	672.7	5,571.7	5,060.0	10,631.7
13	11.1	12.0	52	1,197	74.58%	460	598.2	6,169.9	4,896.0	11,065.9
14	12.1	13.0	46	1,243	77.45%	408	575.2	6,745.1	4,706.0	11,451.1
15	13.1	14.0	40	1,283	79.94%	362	546.8	7,291.9	4,508.0	11,799.9
16	14.1	15.0	47	1,330	82.87%	322	682.1	7,974.0	4,125.0	12,099.0
17	15.1	16.0	27	1,357	84.55%	275	422.1	8,396.1	3,968.0	12,364.1
18	16.1	17.0	29	1,386	86.36%	248	481	8,877.1	3,723.0	12,600.1
19	17.1	18.0	28	1,414	88.10%	219	490.7	9,367.8	3,438.0	12,805.8
20	18.1	19.0	27	1,441	89.78%	191	500.6	9,868.4	3,116.0	12,984.4
21	19.1	20.0	16	1,457	90.78%	164	311.3	10,179.7	2,960.0	13,139.7
22	20.1	21.0	12	1,469	91.53%	148	246.1	10,425.8	2,856.0	13,281.8
23	21.1	22.0	14	1,483	92.40%	136	299.9	10,725.7	2,684.0	13,409.7
24	22.1	23.0	7	1,490	92.83%	122	158.1	10,883.8	2,645.0	13,528.8
25	23.1	24.0	12	1,502	93.58%	115	282.7	11,166.5	2,472.0	13,638.5
26	24.1	25.0	8	1,510	94.08%	103	197	11,363.5	2,375.0	13,738.5
27	25.1	26.0	9	1,519	94.64%	95	229.3	11,592.8	2,236.0	13,828.8
28	26.1	27.0	9	1,528	95.20%	86	236.8	11,829.6	2,079.0	13,908.6
29	27.1	28.0	10	1,538	95.83%	77	276	12,105.6	1,876.0	13,981.6
30	28.1	29.0	7	1,545	96.26%	67	200.2	12,305.8	1,740.0	14,045.8
31	29.1	30.0	6	1,551	96.64%	60	177.4	12,483.2	1,620.0	14,103.2
32	30.1	31.0	6	1,557	97.01%	54	183.2	12,666.4	1,488.0	14,154.4
33	31.1	32.0	3	1,560	97.20%	48	94.7	12,761.1	1,440.0	14,201.1
34	32.1	33.0	3	1,563	97.38%	45	97	12,858.1	1,386.0	14,244.1
35	33.1	34.0	3	1,566	97.57%	42	100.2	12,958.3	1,326.0	14,284.3
36	34.1	35.0	3	1,569	97.76%	39	103	13,061.3	1,260.0	14,321.3
37	35.1	36.0	1	1,570	97.82%	36	36	13,097.3	1,260.0	14,357.3
38	36.1	37.0	1	1,571	97.88%	35	36.3	13,133.6	1,258.0	14,391.6
39	37.1	38.0	0	1,571	97.88%	34	0	13,133.6	1,292.0	14,425.6
40	38.1	39.0	5	1,576	98.19%	34	191.6	13,325.2	1,131.0	14,456.2
41	39.1	40.0	3	1,579	98.38%	29	119.4	13,444.6	1,040.0	14,484.6
42	40.1	41.0	2	1,581	98.50%	26	80.1	13,524.7	984.0	14,508.7
43	41.1	42.0	2	1,583	98.63%	24	82.9	13,607.6	924.0	14,531.6
44	42.1	43.0	2	1,585	98.75%	22	85.7	13,693.3	860.0	14,553.3
45	43.1	44.0	1	1,586	98.82%	20	43.7	13,737.0	836.0	14,573.0
46	44.1	45.0	1	1,587	98.88%	19	44.1	13,781.1	810.0	14,591.1
47	45.1	46.0	2	1,589	99.00%	18	91	13,872.1	736.0	14,608.1
48	46.1	47.0	0	1,589	99.00%	16	0	13,872.1	752.0	14,624.1
49	47.1	48.0	0	1,589	99.00%	16	0	13,872.1	768.0	14,640.1
50	48.1	49.0	1	1,590	99.07%	16	48.3	13,920.4	735.0	14,655.4
51	49.1	50.0	0	1,590	99.07%	15	0	13,920.4	750.0	14,670.4
52	50.1	55.0	3	1,593	99.25%	15	156.7	14,077.1	660.0	14,737.1
53	55.1	60.0	4	1,597	99.50%	12	228.5	14,305.6	480.0	14,785.6
54	60.1	65.0	3	1,600	99.69%	8	189.4	14,495.0	325.0	14,820.0
55	65.1	70.0	0	1,600	99.69%	5	0	14,495.0	350.0	14,845.0

Meter Size:		5/8 - Inch
Class:		Residential
Basic Service Charge:	$	14.84
Tier One Breakover (M Gal):		3
Tier Two Breakover (M Gal):		10
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.4458
Tier Two Rate:	$	1.8074
Tier Three Rate:	$	2.2595

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	70.1	75.0	1	1,601	99.75%	5	70.8	14,565.8	300.0	14,865.8
2	75.1	80.0	0	1,601	99.75%	4	0	14,565.8	320.0	14,885.8
3	80.1	85.0	0	1,601	99.75%	4	0	14,565.8	340.0	14,905.8
4	85.1	90.0	1	1,602	99.81%	4	89	14,654.8	270.0	14,924.8
5	90.1	95.0	0	1,602	99.81%	3	0	14,654.8	285.0	14,939.8
6	95.1	100.0	0	1,602	99.81%	3	0	14,654.8	300.0	14,954.8
7	100.1	105.0	1	1,603	99.88%	3	103.7	14,758.5	210.0	14,968.5
8	105.1	110.0	0	1,603	99.88%	2	0	14,758.5	220.0	14,978.5
9	110.1	115.0	0	1,603	99.88%	2	0	14,758.5	230.0	14,988.5
10	115.1	120.0	0	1,603	99.88%	2	0	14,758.5	240.0	14,998.5
11	120.1	125.0	1	1,604	99.94%	2	121.6	14,880.1	125.0	15,005.1
12	125.1	130.0	0	1,604	99.94%	1	0	14,880.1	130.0	15,010.1
13	130.1	135.0	0	1,604	99.94%	1	0	14,880.1	135.0	15,015.1
14	135.1	140.0	0	1,604	99.94%	1	0	14,880.1	140.0	15,020.1
15	140.1	145.0	0	1,604	99.94%	1	0	14,880.1	145.0	15,025.1
16	145.1	150.0	0	1,604	99.94%	1	0	14,880.1	150.0	15,030.1
17	150.1	155.0	0	1,604	99.94%	1	0	14,880.1	155.0	15,035.1
18	155.1	160.0	0	1,604	99.94%	1	0	14,880.1	160.0	15,040.1
19	160.1	165.0	0	1,604	99.94%	1	0	14,880.1	165.0	15,045.1
20	165.1	170.0	0	1,604	99.94%	1	0	14,880.1	170.0	15,050.1
21	170.1	175.0	0	1,604	99.94%	1	0	14,880.1	175.0	15,055.1
22	175.1	180.0	0	1,604	99.94%	1	0	14,880.1	180.0	15,060.1
23	180.1	185.0	0	1,604	99.94%	1	0	14,880.1	185.0	15,065.1
24	185.1	190.0	0	1,604	99.94%	1	0	14,880.1	190.0	15,070.1
25	190.1	195.0	0	1,604	99.94%	1	0	14,880.1	195.0	15,075.1
26	195.1	200.0	0	1,604	99.94%	1	0	14,880.1	200.0	15,080.1
27	200.1	205.0	1	1,605	100.00%	1	203.3	15,083.4	-	15,083.4
28	205.1	210.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
29	210.1	215.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
30	215.1	220.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
31	220.1	225.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
32	225.1	230.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
33	230.1	235.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
34	235.1	240.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
35	240.1	245.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
36	245.1	250.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
37	250.1	255.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
38	255.1	260.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
39	260.1	265.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
40	265.1	270.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
41	270.1	275.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
42	275.1	280.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
43	280.1	285.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
44	285.1	290.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
45	290.1	295.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
46	295.1	300.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
47	300.1	310.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
48	310.1	320.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
49	320.1	330.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
50	330.1	340.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
51	340.1	350.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
52	350.1	360.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
53	360.1	370.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
54	370.1	380.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
55	380.1	390.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4

(Continued)

Meter Size:		5/8 - Inch
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Tier One Breakover (M Gal):		3
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Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.4458
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Winkelman

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1	390.1	400.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
2	400.1	410.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
3	410.1	420.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
4	420.1	430.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
5	430.1	440.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
6	440.1	450.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
7	450.1	460.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
8	460.1	470.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
9	470.1	480.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
10	480.1	490.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
11	490.1	500.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
12	500.1	550.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
13	550.1	600.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
14	600.1	650.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
15	650.1	700.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
16	700.1	750.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
17	750.1	800.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
18	800.1	99,999.0	0	1,605	100.00%	-	0	15,083.4	-	15,083.4
19										
20	Total Bills/Use:		1,605	1,605	100.00%	1,605	15,083.4	15,083.4		15,083.4

(Continued)

Meter Size:		5/8 - Inch
Class:		Residential
Basic Service Charge:	$	14.84
Tier One Breakover (M Gal):		3
Tier Two Breakover (M Gal):		10
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.4458
Tier Two Rate:	$	1.8074
Tier Three Rate:	$	2.2595

Total Test Year Usage & Revenues at Test Year Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				4,206.9	$ 6,082		
Rate Tier Two				5,932.1	10,722		
Rate Tier Three				4,944.4	11,172		
Totals	133.8	9,398	6,635	15,083.4	$ 27,976	$ 23,818	$ 51,794

Total Test Year Usage & Revenues at Test Year Rates- Including Customer Growth

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				4,144.8	$ 5,993		
Rate Tier Two				5,799.7	10,482		
Rate Tier Three				4,944.4	11,172		
Totals	132.0	9,398	6,635.1	14,889.0	$ 27,647	$ 23,511	$ 51,158

Total Normalized Usage & Revenues at Proposed Rates- Including Customer Growth

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				4,144.8	$ 8,084		
Rate Tier Two				5,799.7	14,140		
Rate Tier Three				4,483.9	13,665		
Totals	132.0	9,107	6,635.1	14,428.4	$ 35,890	$ 30,102	$ 65,992

ARIZONA WATER COMPANY
Test Year Ended December 31, 2010
Bill Count

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	0	-	0.00%	24	0	-	-	-
2	0.1	1.0	0	-	0.00%	24	0	-	24.0	24.0
3	1.1	2.0	0	-	0.00%	24	0	-	48.0	48.0
4	2.1	3.0	0	-	0.00%	24	0	-	72.0	72.0
5	3.1	4.0	0	-	0.00%	24	0	-	96.0	96.0
6	4.1	5.0	0	-	0.00%	24	0	-	120.0	120.0
7	5.1	6.0	0	-	0.00%	24	0	-	144.0	144.0
8	6.1	7.0	0	-	0.00%	24	0	-	168.0	168.0
9	7.1	8.0	0	-	0.00%	24	0	-	192.0	192.0
10	8.1	9.0	0	-	0.00%	24	0	-	216.0	216.0
11	9.1	10.0	0	-	0.00%	24	0	-	240.0	240.0
12	10.1	11.0	0	-	0.00%	24	0	-	264.0	264.0
13	11.1	12.0	0	-	0.00%	24	0	-	288.0	288.0
14	12.1	13.0	2	2	8.33%	24	24.9	24.9	286.0	310.9
15	13.1	14.0	0	2	8.33%	22	0	24.9	308.0	332.9
16	14.1	15.0	1	3	12.50%	22	14.2	39.1	315.0	354.1
17	15.1	16.0	0	3	12.50%	21	0	39.1	336.0	375.1
18	16.1	17.0	0	3	12.50%	21	0	39.1	357.0	396.1
19	17.1	18.0	1	4	16.67%	21	17.7	56.8	360.0	416.8
20	18.1	19.0	0	4	16.67%	20	0	56.8	380.0	436.8
21	19.1	20.0	0	4	16.67%	20	0	56.8	400.0	456.8
22	20.1	21.0	0	4	16.67%	20	0	56.8	420.0	476.8
23	21.1	22.0	2	6	25.00%	20	43.3	100.1	396.0	496.1
24	22.1	23.0	0	6	25.00%	18	0	100.1	414.0	514.1
25	23.1	24.0	0	6	25.00%	18	0	100.1	432.0	532.1
26	24.1	25.0	0	6	25.00%	18	0	100.1	450.0	550.1
27	25.1	26.0	1	7	29.17%	18	25.3	125.4	442.0	567.4
28	26.1	27.0	1	8	33.33%	17	26.7	152.1	432.0	584.1
29	27.1	28.0	1	9	37.50%	16	27.4	179.5	420.0	599.5
30	28.1	29.0	0	9	37.50%	15	0	179.5	435.0	614.5
31	29.1	30.0	0	9	37.50%	15	0	179.5	450.0	629.5
32	30.1	31.0	0	9	37.50%	15	0	179.5	465.0	644.5
33	31.1	32.0	1	10	41.67%	15	31.9	211.4	448.0	659.4
34	32.1	33.0	0	10	41.67%	14	0	211.4	462.0	673.4
35	33.1	34.0	0	10	41.67%	14	0	211.4	476.0	687.4
36	34.1	35.0	0	10	41.67%	14	0	211.4	490.0	701.4
37	35.1	36.0	2	12	50.00%	14	71.6	283.0	432.0	715.0
38	36.1	37.0	1	13	54.17%	12	37	320.0	407.0	727.0
39	37.1	38.0	0	13	54.17%	11	0	320.0	418.0	738.0
40	38.1	39.0	0	13	54.17%	11	0	320.0	429.0	749.0
41	39.1	40.0	0	13	54.17%	11	0	320.0	440.0	760.0
42	40.1	41.0	0	13	54.17%	11	0	320.0	451.0	771.0
43	41.1	42.0	0	13	54.17%	11	0	320.0	462.0	782.0
44	42.1	43.0	0	13	54.17%	11	0	320.0	473.0	793.0
45	43.1	44.0	0	13	54.17%	11	0	320.0	484.0	804.0
46	44.1	45.0	1	14	58.33%	11	44.1	364.1	450.0	814.1
47	45.1	46.0	0	14	58.33%	10	0	364.1	460.0	824.1
48	46.1	47.0	0	14	58.33%	10	0	364.1	470.0	834.1
49	47.1	48.0	1	15	62.50%	10	48	412.1	432.0	844.1
50	48.1	49.0	1	16	66.67%	9	48.2	460.3	392.0	852.3
51	49.1	50.0	1	17	70.83%	8	50	510.3	350.0	860.3
52	50.1	55.0	2	19	79.17%	7	105.3	615.6	275.0	890.6
53	55.1	60.0	0	19	79.17%	5	0	615.6	300.0	915.6
54	60.1	65.0	1	20	83.33%	5	61.8	677.4	260.0	937.4
55	65.1	67.0	1	21	87.50%	4	66.3	743.7	201.0	944.7

Meter Size:		1 - Inch
Class:		Residential
Basic Service Charge:	$	37.10
Tier One Breakover (M Gal):		10
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	67.1	70.0	1	22	91.67%	3	68.4	812.1	140.0	952.1
2	70.1	75.0	0	22	91.67%	2	0	812.1	150.0	962.1
3	75.1	80.0	0	22	91.67%	2	0	812.1	160.0	972.1
4	80.1	85.0	1	23	95.83%	2	83.4	895.5	85.0	980.5
5	85.1	90.0	0	23	95.83%	1	0	895.5	90.0	985.5
6	90.1	95.0	0	23	95.83%	1	0	895.5	95.0	990.5
7	95.1	100.0	0	23	95.83%	1	0	895.5	100.0	995.5
8	100.1	105.0	0	23	95.83%	1	0	895.5	105.0	1,000.5
9	105.1	110.0	0	23	95.83%	1	0	895.5	110.0	1,005.5
10	110.1	115.0	0	23	95.83%	1	0	895.5	115.0	1,010.5
11	115.1	120.0	0	23	95.83%	1	0	895.5	120.0	1,015.5
12	120.1	125.0	0	23	95.83%	1	0	895.5	125.0	1,020.5
13	125.1	130.0	0	23	95.83%	1	0	895.5	130.0	1,025.5
14	130.1	135.0	0	23	95.83%	1	0	895.5	135.0	1,030.5
15	135.1	140.0	0	23	95.83%	1	0	895.5	140.0	1,035.5
16	140.1	145.0	1	24	100.00%	1	140.7	1,036.2	-	1,036.2
17	145.1	150.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
18	150.1	155.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
19	155.1	160.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
20	160.1	165.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
21	165.1	170.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
22	170.1	175.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
23	175.1	180.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
24	180.1	185.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
25	185.1	190.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
26	190.1	195.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
27	195.1	200.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
28	200.1	205.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
29	205.1	210.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
30	210.1	215.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
31	215.1	220.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
32	220.1	225.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
33	225.1	230.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
34	230.1	235.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
35	235.1	240.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
36	240.1	245.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
37	245.1	250.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
38	250.1	255.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
39	255.1	260.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
40	260.1	265.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
41	265.1	270.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
42	270.1	275.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
43	275.1	280.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
44	280.1	285.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
45	285.1	290.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
46	290.1	295.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
47	295.1	300.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
48	300.1	310.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
49	310.1	320.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
50	320.1	330.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
51	330.1	340.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
52	340.1	350.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
53	350.1	360.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
54	360.1	370.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
55	370.1	380.0	0	24	100.00%	-	0	1,036.2	-	1,036.2

(Continued)

Meter Size:		1 - Inch
Class:		Residential
Bill Count File:		0
Basic Service Charge:	$	37.10
Tier One Breakover (M Gal):		10
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Winkelman

Line No.	[A] Block (M Gal) From	[B] To	[C] Bills: Number of Bills by Block	[D] No. Up to & Including Block	[E] % of Total	[F] Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Cum. Use of Bills Stopping in Block	[I] Total Use to Block of all Bills Through Block	[J] Cumulative Billed Usage
1	380.1	390.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
2	390.1	400.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
3	400.1	410.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
4	410.1	420.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
5	420.1	430.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
6	430.1	440.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
7	440.1	450.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
8	450.1	460.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
9	460.1	470.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
10	470.1	480.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
11	480.1	490.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
12	490.1	500.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
13	500.1	550.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
14	550.1	600.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
15	600.1	650.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
16	650.1	700.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
17	700.1	750.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
18	750.1	99,999.0	0	24	100.00%	-	0	1,036.2	-	1,036.2
19										
20	Total Bills/Use:		24	24	100.00%	24	1,036.2	1,036.2		1,036.2

(Continued)

Meter Size:		1 - Inch
Class:		Residential
Bill Count File:		0
Basic Service Charge:	$	37.10
Tier One Breakover (M Gal):		10
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Total Test Year Usage & Revenues at Test Year Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				240.0	$ 434		
Rate Tier Two				796.2	1,799		
Rate Tier Three				-	-		
Totals	2.0	43,175	36,000	1,036.2	$ 2,233	$ 890	$ 3,123

Total Test Year Usage & Revenues at Test Year Rates- Including Customer Growth

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				236.9	$ 428		
Rate Tier Two				785.9	1,776		
Rate Tier Three				-	-		
Totals	2	43,175	36,000.0	1,022.8	$ 2,204	$ 879	$ 3,083

Total Normalized Usage & Revenues at Proposed Rates- Including Customer Growth

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				620.2	$ 1,512		
Rate Tier Two				371.0	1,131		
Rate Tier Three				-	-		
Totals	2.0	41,840	36,000.0	991.2	$ 2,643	$ 1,125	$ 3,768

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	-	-	0.00%	-	-	-	-	-
2	0.1	1.0	-	-	0.00%	-	-	-	-	-
3	1.1	2.0	-	-	0.00%	-	-	-	-	-
4	2.1	3.0	-	-	0.00%	-	-	-	-	-
5	3.1	4.0	-	-	0.00%	-	-	-	-	-
6	4.1	5.0	-	-	0.00%	-	-	-	-	-
7	5.1	6.0	-	-	0.00%	-	-	-	-	-
8	6.1	7.0	-	-	0.00%	-	-	-	-	-
9	7.1	8.0	-	-	0.00%	-	-	-	-	-
10	8.1	9.0	-	-	0.00%	-	-	-	-	-
11	9.1	10.0	-	-	0.00%	-	-	-	-	-
12	10.1	11.0	-	-	0.00%	-	-	-	-	-
13	11.1	12.0	-	-	0.00%	-	-	-	-	-
14	12.1	13.0	-	-	0.00%	-	-	-	-	-
15	13.1	14.0	-	-	0.00%	-	-	-	-	-
16	14.1	15.0	-	-	0.00%	-	-	-	-	-
17	15.1	16.0	-	-	0.00%	-	-	-	-	-
18	16.1	17.0	-	-	0.00%	-	-	-	-	-
19	17.1	18.0	-	-	0.00%	-	-	-	-	-
20	18.1	19.0	-	-	0.00%	-	-	-	-	-
21	19.1	20.0	-	-	0.00%	-	-	-	-	-
22	20.1	21.0	-	-	0.00%	-	-	-	-	-
23	21.1	22.0	-	-	0.00%	-	-	-	-	-
24	22.1	23.0	-	-	0.00%	-	-	-	-	-
25	23.1	24.0	-	-	0.00%	-	-	-	-	-
26	24.1	25.0	-	-	0.00%	-	-	-	-	-
27	25.1	26.0	-	-	0.00%	-	-	-	-	-
28	26.1	27.0	-	-	0.00%	-	-	-	-	-
29	27.1	28.0	-	-	0.00%	-	-	-	-	-
30	28.1	29.0	-	-	0.00%	-	-	-	-	-
31	29.1	30.0	-	-	0.00%	-	-	-	-	-
32	30.1	31.0	-	-	0.00%	-	-	-	-	-
33	31.1	32.0	-	-	0.00%	-	-	-	-	-
34	32.1	33.0	-	-	0.00%	-	-	-	-	-
35	33.1	34.0	-	-	0.00%	-	-	-	-	-
36	34.1	35.0	-	-	0.00%	-	-	-	-	-
37	35.1	36.0	-	-	0.00%	-	-	-	-	-
38	36.1	37.0	-	-	0.00%	-	-	-	-	-
39	37.1	38.0	-	-	0.00%	-	-	-	-	-
40	38.1	39.0	-	-	0.00%	-	-	-	-	-
41	39.1	40.0	-	-	0.00%	-	-	-	-	-
42	40.1	41.0	-	-	0.00%	-	-	-	-	-
43	41.1	42.0	-	-	0.00%	-	-	-	-	-
44	42.1	43.0	-	-	0.00%	-	-	-	-	-
45	43.1	44.0	-	-	0.00%	-	-	-	-	-
46	44.1	45.0	-	-	0.00%	-	-	-	-	-
47	45.1	46.0	-	-	0.00%	-	-	-	-	-
48	46.1	47.0	-	-	0.00%	-	-	-	-	-
49	47.1	48.0	-	-	0.00%	-	-	-	-	-
50	48.1	49.0	-	-	0.00%	-	-	-	-	-
51	49.1	50.0	-	-	0.00%	-	-	-	-	-
52	50.1	55.0	-	-	0.00%	-	-	-	-	-
53	55.1	60.0	-	-	0.00%	-	-	-	-	-
54	60.1	65.0	-	-	0.00%	-	-	-	-	-
55	65.1	67.0	-	-	0.00%	-	-	-	-	-

Meter Size:	1.5 - Inch
Class:	Residential
Basic Service Charge:	n/a
Tier One Breakover (M Gal):	n/a
Tier Two Breakover (M Gal):	n/a
Tier Three Breakover (M Gal):	n/a
Tier One Rate:	n/a
Tier Two Rate:	n/a
Tier Three Rate:	n/a

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	67.1	70.0	-	-	0.00%	-	-	-	-	-
2	70.1	75.0	-	-	0.00%	-	-	-	-	-
3	75.1	80.0	-	-	0.00%	-	-	-	-	-
4	80.1	85.0	-	-	0.00%	-	-	-	-	-
5	85.1	90.0	-	-	0.00%	-	-	-	-	-
6	90.1	95.0	-	-	0.00%	-	-	-	-	-
7	95.1	100.0	-	-	0.00%	-	-	-	-	-
8	100.1	105.0	-	-	0.00%	-	-	-	-	-
9	105.1	110.0	-	-	0.00%	-	-	-	-	-
10	110.1	115.0	-	-	0.00%	-	-	-	-	-
11	115.1	120.0	-	-	0.00%	-	-	-	-	-
12	120.1	125.0	-	-	0.00%	-	-	-	-	-
13	125.1	130.0	-	-	0.00%	-	-	-	-	-
14	130.1	135.0	-	-	0.00%	-	-	-	-	-
15	135.1	140.0	-	-	0.00%	-	-	-	-	-
16	140.1	145.0	-	-	0.00%	-	-	-	-	-
17	145.1	150.0	-	-	0.00%	-	-	-	-	-
18	150.1	155.0	-	-	0.00%	-	-	-	-	-
19	155.1	160.0	-	-	0.00%	-	-	-	-	-
20	160.1	165.0	-	-	0.00%	-	-	-	-	-
21	165.1	170.0	-	-	0.00%	-	-	-	-	-
22	170.1	175.0	-	-	0.00%	-	-	-	-	-
23	175.1	180.0	-	-	0.00%	-	-	-	-	-
24	180.1	185.0	-	-	0.00%	-	-	-	-	-
25	185.1	190.0	-	-	0.00%	-	-	-	-	-
26	190.1	195.0	-	-	0.00%	-	-	-	-	-
27	195.1	200.0	-	-	0.00%	-	-	-	-	-
28	200.1	205.0	-	-	0.00%	-	-	-	-	-
29	205.1	210.0	-	-	0.00%	-	-	-	-	-
30	210.1	215.0	-	-	0.00%	-	-	-	-	-
31	215.1	220.0	-	-	0.00%	-	-	-	-	-
32	220.1	225.0	-	-	0.00%	-	-	-	-	-
33	225.1	230.0	-	-	0.00%	-	-	-	-	-
34	230.1	235.0	-	-	0.00%	-	-	-	-	-
35	235.1	240.0	-	-	0.00%	-	-	-	-	-
36	240.1	245.0	-	-	0.00%	-	-	-	-	-
37	245.1	250.0	-	-	0.00%	-	-	-	-	-
38	250.1	255.0	-	-	0.00%	-	-	-	-	-
39	255.1	260.0	-	-	0.00%	-	-	-	-	-
40	260.1	265.0	-	-	0.00%	-	-	-	-	-
41	265.1	270.0	-	-	0.00%	-	-	-	-	-
42	270.1	275.0	-	-	0.00%	-	-	-	-	-
43	275.1	280.0	-	-	0.00%	-	-	-	-	-
44	280.1	285.0	-	-	0.00%	-	-	-	-	-
45	285.1	290.0	-	-	0.00%	-	-	-	-	-
46	290.1	295.0	-	-	0.00%	-	-	-	-	-
47	295.1	300.0	-	-	0.00%	-	-	-	-	-
48	300.1	310.0	-	-	0.00%	-	-	-	-	-
49	310.1	320.0	-	-	0.00%	-	-	-	-	-
50	320.1	330.0	-	-	0.00%	-	-	-	-	-
51	330.1	340.0	-	-	0.00%	-	-	-	-	-
52	340.1	350.0	-	-	0.00%	-	-	-	-	-
53	350.1	360.0	-	-	0.00%	-	-	-	-	-
54	360.1	370.0	-	-	0.00%	-	-	-	-	-
55	370.1	380.0	-	-	0.00%	-	-	-	-	-

(Continued)

Meter Size:	1.5 - Inch
Class:	Residential
Bill Count File:	0
Basic Service Charge:	n/a
Tier One Breakover (M Gal):	n/a
Tier Two Breakover (M Gal):	n/a
Tier Three Breakover (M Gal):	n/a
Tier One Rate:	n/a
Tier Two Rate:	n/a
Tier Three Rate:	n/a

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	380.1	390.0	-	-	0.00%	-	-	-	-	-
2	390.1	400.0	-	-	0.00%	-	-	-	-	-
3	400.1	410.0	-	-	0.00%	-	-	-	-	-
4	410.1	420.0	-	-	0.00%	-	-	-	-	-
5	420.1	430.0	-	-	0.00%	-	-	-	-	-
6	430.1	440.0	-	-	0.00%	-	-	-	-	-
7	440.1	450.0	-	-	0.00%	-	-	-	-	-
8	450.1	460.0	-	-	0.00%	-	-	-	-	-
9	460.1	470.0	-	-	0.00%	-	-	-	-	-
10	470.1	480.0	-	-	0.00%	-	-	-	-	-
11	480.1	490.0	-	-	0.00%	-	-	-	-	-
12	490.1	500.0	-	-	0.00%	-	-	-	-	-
13	500.1	550.0	-	-	0.00%	-	-	-	-	-
14	550.1	600.0	-	-	0.00%	-	-	-	-	-
15	600.1	650.0	-	-	0.00%	-	-	-	-	-
16	650.1	700.0	-	-	0.00%	-	-	-	-	-
17	700.1	750.0	-	-	0.00%	-	-	-	-	-
18	750.1	99,999.0	-	-	0.00%	-	-	-	-	-
19										
20	Total Bills/Use:		-	-	0.00%	-	-	-		-

(Continued)

Meter Size:	1.5 - Inch
Class:	Residential
Bill Count File:	0
Basic Service Charge:	n/a
Tier One Breakover (M Gal):	n/a
Tier Two Breakover (M Gal):	n/a
Tier Three Breakover (M Gal):	n/a
Tier One Rate:	n/a
Tier Two Rate:	n/a
Tier Three Rate:	n/a

Total Test Year Usage & Revenues at Test Year Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Total Test Year Usage & Revenues at Test Year Rates- Including Customer Growth

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Total Normalized Usage & Revenues at Proposed Rates- Including Customer Growth

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

ARIZONA WATER COMPANY
Test Year Ended December 31, 2010
Bill Count

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	0	-	0.00%	-	0	-	-	-
2	0.1	5.0	0	-	0.00%	-	0	-	-	-
3	5.1	10.0	0	-	0.00%	-	0	-	-	-
4	10.1	15.0	0	-	0.00%	-	0	-	-	-
5	15.1	20.0	0	-	0.00%	-	0	-	-	-
6	20.1	25.0	0	-	0.00%	-	0	-	-	-
7	25.1	30.0	0	-	0.00%	-	0	-	-	-
8	30.1	35.0	0	-	0.00%	-	0	-	-	-
9	35.1	40.0	0	-	0.00%	-	0	-	-	-
10	40.1	45.0	0	-	0.00%	-	0	-	-	-
11	45.1	50.0	0	-	0.00%	-	0	-	-	-
12	50.1	55.0	0	-	0.00%	-	0	-	-	-
13	55.1	60.0	0	-	0.00%	-	0	-	-	-
14	60.1	65.0	0	-	0.00%	-	0	-	-	-
15	65.1	70.0	0	-	0.00%	-	0	-	-	-
16	70.1	74.0	0	-	0.00%	-	0	-	-	-
17	74.1	75.0	0	-	0.00%	-	0	-	-	-
18	75.1	80.0	0	-	0.00%	-	0	-	-	-
19	80.1	85.0	0	-	0.00%	-	0	-	-	-
20	85.1	90.0	0	-	0.00%	-	0	-	-	-
21	90.1	95.0	0	-	0.00%	-	0	-	-	-
22	95.1	100.0	0	-	0.00%	-	0	-	-	-
23	100.1	105.0	0	-	0.00%	-	0	-	-	-
24	105.1	110.0	0	-	0.00%	-	0	-	-	-
25	110.1	115.0	0	-	0.00%	-	0	-	-	-
26	115.1	120.0	0	-	0.00%	-	0	-	-	-
27	120.1	122.0	0	-	0.00%	-	0	-	-	-
28	122.1	125.0	0	-	0.00%	-	0	-	-	-
29	125.1	130.0	0	-	0.00%	-	0	-	-	-
30	130.1	135.0	0	-	0.00%	-	0	-	-	-
31	135.1	139.0	0	-	0.00%	-	0	-	-	-
32	139.1	140.0	0	-	0.00%	-	0	-	-	-
33	140.1	145.0	0	-	0.00%	-	0	-	-	-
34	145.1	150.0	0	-	0.00%	-	0	-	-	-
35	150.1	155.0	0	-	0.00%	-	0	-	-	-
36	155.1	160.0	0	-	0.00%	-	0	-	-	-
37	160.1	165.0	0	-	0.00%	-	0	-	-	-
38	165.1	170.0	0	-	0.00%	-	0	-	-	-
39	170.1	175.0	0	-	0.00%	-	0	-	-	-
40	175.1	180.0	0	-	0.00%	-	0	-	-	-
41	180.1	183.0	0	-	0.00%	-	0	-	-	-
42	183.1	185.0	0	-	0.00%	-	0	-	-	-
43	185.1	190.0	0	-	0.00%	-	0	-	-	-
44	190.1	195.0	0	-	0.00%	-	0	-	-	-
45	195.1	200.0	0	-	0.00%	-	0	-	-	-
46	200.1	210.0	0	-	0.00%	-	0	-	-	-
47	210.1	220.0	0	-	0.00%	-	0	-	-	-
48	220.1	230.0	0	-	0.00%	-	0	-	-	-
49	230.1	240.0	0	-	0.00%	-	0	-	-	-
50	240.1	250.0	0	-	0.00%	-	0	-	-	-
51	250.1	258.0	0	-	0.00%	-	0	-	-	-
52	258.1	260.0	0	-	0.00%	-	0	-	-	-
53	260.1	270.0	0	-	0.00%	-	0	-	-	-
54	270.1	280.0	0	-	0.00%	-	0	-	-	-
55	280.1	290.0	0	-	0.00%	-	0	-	-	-

Meter Size:		2 - Inch
Class:		Residential
Basic Service Charge:	$	118.73
Tier One Breakover (M Gal):		125
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	290.1	296.0	0	-	0.00%	-	0	-	-	-
2	296.1	300.0	0	-	0.00%	-	0	-	-	-
3	300.1	310.0	0	-	0.00%	-	0	-	-	-
4	310.1	320.0	0	-	0.00%	-	0	-	-	-
5	320.1	330.0	0	-	0.00%	-	0	-	-	-
6	330.1	340.0	0	-	0.00%	-	0	-	-	-
7	340.1	350.0	0	-	0.00%	-	0	-	-	-
8	350.1	360.0	0	-	0.00%	-	0	-	-	-
9	360.1	370.0	0	-	0.00%	-	0	-	-	-
10	370.1	380.0	0	-	0.00%	-	0	-	-	-
11	380.1	390.0	0	-	0.00%	-	0	-	-	-
12	390.1	400.0	0	-	0.00%	-	0	-	-	-
13	400.1	410.0	0	-	0.00%	-	0	-	-	-
14	410.1	420.0	0	-	0.00%	-	0	-	-	-
15	420.1	430.0	0	-	0.00%	-	0	-	-	-
16	430.1	440.0	0	-	0.00%	-	0	-	-	-
17	440.1	450.0	0	-	0.00%	-	0	-	-	-
18	450.1	460.0	0	-	0.00%	-	0	-	-	-
19	460.1	470.0	0	-	0.00%	-	0	-	-	-
20	470.1	480.0	0	-	0.00%	-	0	-	-	-
21	480.1	490.0	0	-	0.00%	-	0	-	-	-
22	490.1	500.0	0	-	0.00%	-	0	-	-	-
23	500.1	510.0	0	-	0.00%	-	0	-	-	-
24	510.1	520.0	0	-	0.00%	-	0	-	-	-
25	520.1	530.0	0	-	0.00%	-	0	-	-	-
26	530.1	540.0	0	-	0.00%	-	0	-	-	-
27	540.1	550.0	0	-	0.00%	-	0	-	-	-
28	550.1	560.0	0	-	0.00%	-	0	-	-	-
29	560.1	570.0	0	-	0.00%	-	0	-	-	-
30	570.1	580.0	0	-	0.00%	-	0	-	-	-
31	580.1	590.0	0	-	0.00%	-	0	-	-	-
32	590.1	600.0	0	-	0.00%	-	0	-	-	-
33	600.1	610.0	0	-	0.00%	-	0	-	-	-
34	610.1	620.0	0	-	0.00%	-	0	-	-	-
35	620.1	630.0	0	-	0.00%	-	0	-	-	-
36	630.1	640.0	0	-	0.00%	-	0	-	-	-
37	640.1	650.0	0	-	0.00%	-	0	-	-	-
38	650.1	660.0	0	-	0.00%	-	0	-	-	-
39	660.1	670.0	0	-	0.00%	-	0	-	-	-
40	670.1	680.0	0	-	0.00%	-	0	-	-	-
41	680.1	690.0	0	-	0.00%	-	0	-	-	-
42	690.1	700.0	0	-	0.00%	-	0	-	-	-
43	700.1	710.0	0	-	0.00%	-	0	-	-	-
44	710.1	720.0	0	-	0.00%	-	0	-	-	-
45	720.1	730.0	0	-	0.00%	-	0	-	-	-
46	730.1	740.0	0	-	0.00%	-	0	-	-	-
47	740.1	750.0	0	-	0.00%	-	0	-	-	-
48	750.1	760.0	0	-	0.00%	-	0	-	-	-
49	760.1	770.0	0	-	0.00%	-	0	-	-	-
50	770.1	780.0	0	-	0.00%	-	0	-	-	-
51	780.1	790.0	0	-	0.00%	-	0	-	-	-
52	790.1	800.0	0	-	0.00%	-	0	-	-	-
53	800.1	810.0	0	-	0.00%	-	0	-	-	-
54	810.1	820.0	0	-	0.00%	-	0	-	-	-
55	820.1	830.0	0	-	0.00%	-	0	-	-	-

(Continued)

Meter Size:		2 - Inch
Class:		Residential
Bill Count File:		0
Basic Service Charge:	$	118.73
Tier One Breakover (M Gal):		125
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Winkelman

Line No.	[A] Block (M Gal) From	[B] To	[C] Bills: Number of Bills by Block	[D] No. Up to & Including Block	[E] % of Total	[F] Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Cum. Use of Bills Stopping in Block	[I] Total Use to Block of all Bills Through Block	[J] Cumulative Billed Usage
1	830.1	840.0	0	-	0.00%	-	0	-	-	-
2	840.1	850.0	0	-	0.00%	-	0	-	-	-
3	850.1	860.0	0	-	0.00%	-	0	-	-	-
4	860.1	870.0	0	-	0.00%	-	0	-	-	-
5	870.1	880.0	0	-	0.00%	-	0	-	-	-
6	880.1	890.0	0	-	0.00%	-	0	-	-	-
7	890.1	900.0	0	-	0.00%	-	0	-	-	-
8	900.1	950.0	0	-	0.00%	-	0	-	-	-
9	950.1	1,000.0	0	-	0.00%	-	0	-	-	-
10	1,000.1	1,050.0	0	-	0.00%	-	0	-	-	-
11	1,050.1	1,100.0	0	-	0.00%	-	0	-	-	-
12	1,100.1	1,150.0	0	-	0.00%	-	0	-	-	-
13	1,150.1	1,200.0	0	-	0.00%	-	0	-	-	-
14	1,200.1	1,250.0	0	-	0.00%	-	0	-	-	-
15	1,250.1	1,300.0	0	-	0.00%	-	0	-	-	-
16	1,300.1	1,350.0	0	-	0.00%	-	0	-	-	-
17	1,350.1	1,400.0	0	-	0.00%	-	0	-	-	-
18	1,400.1	99,999.0	0	-	0.00%	-	0	-	-	-
19										
20	Total Bills/Use:		-	-	0.00%	-	-	-		-

(Continued)

Meter Size:		2 - Inch
Class:		Residential
Bill Count File:		0
Basic Service Charge:	$	118.73
Tier One Breakover (M Gal):		125
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Total Test Year Usage & Revenues at Test Year Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Total Test Year Usage & Revenues at Test Year Rates- Including Customer Growth

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Total Normalized Usage & Revenues at Proposed Rates- Including Customer Growth

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	0	-	0.00%	-	0	-	-	-
2	0.1	5.0	0	-	0.00%	-	0	-	-	-
3	5.1	10.0	0	-	0.00%	-	0	-	-	-
4	10.1	15.0	0	-	0.00%	-	0	-	-	-
5	15.1	20.0	0	-	0.00%	-	0	-	-	-
6	20.1	25.0	0	-	0.00%	-	0	-	-	-
7	25.1	30.0	0	-	0.00%	-	0	-	-	-
8	30.1	35.0	0	-	0.00%	-	0	-	-	-
9	35.1	40.0	0	-	0.00%	-	0	-	-	-
10	40.1	45.0	0	-	0.00%	-	0	-	-	-
11	45.1	50.0	0	-	0.00%	-	0	-	-	-
12	50.1	55.0	0	-	0.00%	-	0	-	-	-
13	55.1	60.0	0	-	0.00%	-	0	-	-	-
14	60.1	65.0	0	-	0.00%	-	0	-	-	-
15	65.1	70.0	0	-	0.00%	-	0	-	-	-
16	70.1	75.0	0	-	0.00%	-	0	-	-	-
17	75.1	80.0	0	-	0.00%	-	0	-	-	-
18	80.1	85.0	0	-	0.00%	-	0	-	-	-
19	85.1	90.0	0	-	0.00%	-	0	-	-	-
20	90.1	95.0	0	-	0.00%	-	0	-	-	-
21	95.1	100.0	0	-	0.00%	-	0	-	-	-
22	100.1	105.0	0	-	0.00%	-	0	-	-	-
23	105.1	110.0	0	-	0.00%	-	0	-	-	-
24	110.1	115.0	0	-	0.00%	-	0	-	-	-
25	115.1	120.0	0	-	0.00%	-	0	-	-	-
26	120.1	125.0	0	-	0.00%	-	0	-	-	-
27	125.1	130.0	0	-	0.00%	-	0	-	-	-
28	130.1	135.0	0	-	0.00%	-	0	-	-	-
29	135.1	140.0	0	-	0.00%	-	0	-	-	-
30	140.1	145.0	0	-	0.00%	-	0	-	-	-
31	145.1	150.0	0	-	0.00%	-	0	-	-	-
32	150.1	155.0	0	-	0.00%	-	0	-	-	-
33	155.1	160.0	0	-	0.00%	-	0	-	-	-
34	160.1	165.0	0	-	0.00%	-	0	-	-	-
35	165.1	167.0	0	-	0.00%	-	0	-	-	-
36	167.1	170.0	0	-	0.00%	-	0	-	-	-
37	170.1	175.0	0	-	0.00%	-	0	-	-	-
38	175.1	180.0	0	-	0.00%	-	0	-	-	-
39	180.1	185.0	0	-	0.00%	-	0	-	-	-
40	185.1	190.0	0	-	0.00%	-	0	-	-	-
41	190.1	195.0	0	-	0.00%	-	0	-	-	-
42	195.1	200.0	0	-	0.00%	-	0	-	-	-
43	200.1	205.0	0	-	0.00%	-	0	-	-	-
44	205.1	210.0	0	-	0.00%	-	0	-	-	-
45	210.1	215.0	0	-	0.00%	-	0	-	-	-
46	215.1	220.0	0	-	0.00%	-	0	-	-	-
47	220.1	225.0	0	-	0.00%	-	0	-	-	-
48	225.1	230.0	0	-	0.00%	-	0	-	-	-
49	230.1	235.0	0	-	0.00%	-	0	-	-	-
50	235.1	240.0	0	-	0.00%	-	0	-	-	-
51	240.1	245.0	0	-	0.00%	-	0	-	-	-
52	245.1	250.0	0	-	0.00%	-	0	-	-	-
53	250.1	255.0	0	-	0.00%	-	0	-	-	-
54	255.1	260.0	0	-	0.00%	-	0	-	-	-
55	260.1	265.0	0	-	0.00%	-	0	-	-	-

Meter Size:		3 - Inch
Class:		Residential
Basic Service Charge:	$	237.46
Tier One Breakover (M Gal):		325
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	265.1	270.0	0	-	0.00%	-	0	-	-	-
2	270.1	275.0	0	-	0.00%	-	0	-	-	-
3	275.1	280.0	0	-	0.00%	-	0	-	-	-
4	280.1	285.0	0	-	0.00%	-	0	-	-	-
5	285.1	286.0	0	-	0.00%	-	0	-	-	-
6	286.1	290.0	0	-	0.00%	-	0	-	-	-
7	290.1	295.0	0	-	0.00%	-	0	-	-	-
8	295.1	298.0	0	-	0.00%	-	0	-	-	-
9	298.1	299.0	0	-	0.00%	-	0	-	-	-
10	299.1	300.0	0	-	0.00%	-	0	-	-	-
11	300.1	303.0	0	-	0.00%	-	0	-	-	-
12	303.1	305.0	0	-	0.00%	-	0	-	-	-
13	305.1	310.0	0	-	0.00%	-	0	-	-	-
14	310.1	315.0	0	-	0.00%	-	0	-	-	-
15	315.1	320.0	0	-	0.00%	-	0	-	-	-
16	320.1	325.0	0	-	0.00%	-	0	-	-	-
17	325.1	330.0	0	-	0.00%	-	0	-	-	-
18	330.1	335.0	0	-	0.00%	-	0	-	-	-
19	335.1	340.0	0	-	0.00%	-	0	-	-	-
20	340.1	345.0	0	-	0.00%	-	0	-	-	-
21	345.1	350.0	0	-	0.00%	-	0	-	-	-
22	350.1	355.0	0	-	0.00%	-	0	-	-	-
23	355.1	360.0	0	-	0.00%	-	0	-	-	-
24	360.1	365.0	0	-	0.00%	-	0	-	-	-
25	365.1	370.0	0	-	0.00%	-	0	-	-	-
26	370.1	375.0	0	-	0.00%	-	0	-	-	-
27	375.1	380.0	0	-	0.00%	-	0	-	-	-
28	380.1	385.0	0	-	0.00%	-	0	-	-	-
29	385.1	390.0	0	-	0.00%	-	0	-	-	-
30	390.1	395.0	0	-	0.00%	-	0	-	-	-
31	395.1	400.0	0	-	0.00%	-	0	-	-	-
32	400.1	401.0	0	-	0.00%	-	0	-	-	-
33	401.1	410.0	0	-	0.00%	-	0	-	-	-
34	410.1	420.0	0	-	0.00%	-	0	-	-	-
35	420.1	430.0	0	-	0.00%	-	0	-	-	-
36	430.1	440.0	0	-	0.00%	-	0	-	-	-
37	440.1	450.0	0	-	0.00%	-	0	-	-	-
38	450.1	460.0	0	-	0.00%	-	0	-	-	-
39	460.1	470.0	0	-	0.00%	-	0	-	-	-
40	470.1	480.0	0	-	0.00%	-	0	-	-	-
41	480.1	490.0	0	-	0.00%	-	0	-	-	-
42	490.1	500.0	0	-	0.00%	-	0	-	-	-
43	500.1	510.0	0	-	0.00%	-	0	-	-	-
44	510.1	520.0	0	-	0.00%	-	0	-	-	-
45	520.1	530.0	0	-	0.00%	-	0	-	-	-
46	530.1	540.0	0	-	0.00%	-	0	-	-	-
47	540.1	550.0	0	-	0.00%	-	0	-	-	-
48	550.1	552.0	0	-	0.00%	-	0	-	-	-
49	552.1	560.0	0	-	0.00%	-	0	-	-	-
50	560.1	568.0	0	-	0.00%	-	0	-	-	-
51	568.1	570.0	0	-	0.00%	-	0	-	-	-
52	570.1	580.0	0	-	0.00%	-	0	-	-	-
53	580.1	590.0	0	-	0.00%	-	0	-	-	-
54	590.1	600.0	0	-	0.00%	-	0	-	-	-
55	600.1	610.0	0	-	0.00%	-	0	-	-	-

(Continued)

Meter Size:		3 - Inch
Class:		Residential
Bill Count File:		0
Basic Service Charge:	$	237.46
Tier One Breakover (M Gal):		325
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Winkelman

Line No.	[A] Block (M Gal) From	[B] To	[C] Bills: Number of Bills by Block	[D] No. Up to & Including Block	[E] % of Total	[F] Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Cum. Use of Bills Stopping in Block	[I] Total Use to Block of all Bills Through Block	[J] Cumulative Billed Usage
1	610.1	620.0	0	-	0.00%	-	0	-	-	-
2	620.1	650.0	0	-	0.00%	-	0	-	-	-
3	650.1	700.0	0	-	0.00%	-	0	-	-	-
4	700.1	750.0	0	-	0.00%	-	0	-	-	-
5	750.1	800.0	0	-	0.00%	-	0	-	-	-
6	800.1	850.0	0	-	0.00%	-	0	-	-	-
7	850.1	900.0	0	-	0.00%	-	0	-	-	-
8	900.1	950.0	0	-	0.00%	-	0	-	-	-
9	950.1	1,000.0	0	-	0.00%	-	0	-	-	-
10	1,000.1	1,050.0	0	-	0.00%	-	0	-	-	-
11	1,050.1	1,100.0	0	-	0.00%	-	0	-	-	-
12	1,100.1	1,150.0	0	-	0.00%	-	0	-	-	-
13	1,150.1	1,200.0	0	-	0.00%	-	0	-	-	-
14	1,200.1	1,250.0	0	-	0.00%	-	0	-	-	-
15	1,250.1	1,300.0	0	-	0.00%	-	0	-	-	-
16	1,300.1	1,350.0	0	-	0.00%	-	0	-	-	-
17	1,350.1	1,400.0	0	-	0.00%	-	0	-	-	-
18	1,400.1	99,999.0	0	-	0.00%	-	0	-	-	-
19										
20	Total Bills/Use:		-	-	0.00%	-	-	-		-
21										

(Continued)

Meter Size:		3 - Inch
Class:		Residential
Bill Count File:		0
Basic Service Charge:	$	237.46
Tier One Breakover (M Gal):		325
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Total Test Year Usage & Revenues at Test Year Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Total Test Year Usage & Revenues at Test Year Rates- Including Customer Growth

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Total Normalized Usage & Revenues at Proposed Rates- Including Customer Growth

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	0	-	0.00%	-	0	-	-	-
2	0.1	10.0	0	-	0.00%	-	0	-	-	-
3	10.1	20.0	0	-	0.00%	-	0	-	-	-
4	20.1	25.0	0	-	0.00%	-	0	-	-	-
5	25.1	30.0	0	-	0.00%	-	0	-	-	-
6	30.1	40.0	0	-	0.00%	-	0	-	-	-
7	40.1	50.0	0	-	0.00%	-	0	-	-	-
8	50.1	60.0	0	-	0.00%	-	0	-	-	-
9	60.1	70.0	0	-	0.00%	-	0	-	-	-
10	70.1	75.0	0	-	0.00%	-	0	-	-	-
11	75.1	80.0	0	-	0.00%	-	0	-	-	-
12	80.1	90.0	0	-	0.00%	-	0	-	-	-
13	90.1	100.0	0	-	0.00%	-	0	-	-	-
14	100.1	110.0	0	-	0.00%	-	0	-	-	-
15	110.1	120.0	0	-	0.00%	-	0	-	-	-
16	120.1	130.0	0	-	0.00%	-	0	-	-	-
17	130.1	140.0	0	-	0.00%	-	0	-	-	-
18	140.1	150.0	0	-	0.00%	-	0	-	-	-
19	150.1	160.0	0	-	0.00%	-	0	-	-	-
20	160.1	170.0	0	-	0.00%	-	0	-	-	-
21	170.1	180.0	0	-	0.00%	-	0	-	-	-
22	180.1	190.0	0	-	0.00%	-	0	-	-	-
23	190.1	200.0	0	-	0.00%	-	0	-	-	-
24	200.1	210.0	0	-	0.00%	-	0	-	-	-
25	210.1	220.0	0	-	0.00%	-	0	-	-	-
26	220.1	230.0	0	-	0.00%	-	0	-	-	-
27	230.1	240.0	0	-	0.00%	-	0	-	-	-
28	240.1	250.0	0	-	0.00%	-	0	-	-	-
29	250.1	260.0	0	-	0.00%	-	0	-	-	-
30	260.1	270.0	0	-	0.00%	-	0	-	-	-
31	270.1	272.0	0	-	0.00%	-	0	-	-	-
32	272.1	280.0	0	-	0.00%	-	0	-	-	-
33	280.1	290.0	0	-	0.00%	-	0	-	-	-
34	290.1	300.0	0	-	0.00%	-	0	-	-	-
35	300.1	310.0	0	-	0.00%	-	0	-	-	-
36	310.1	320.0	0	-	0.00%	-	0	-	-	-
37	320.1	325.0	0	-	0.00%	-	0	-	-	-
38	325.1	330.0	0	-	0.00%	-	0	-	-	-
39	330.1	340.0	0	-	0.00%	-	0	-	-	-
40	340.1	350.0	0	-	0.00%	-	0	-	-	-
41	350.1	360.0	0	-	0.00%	-	0	-	-	-
42	360.1	370.0	0	-	0.00%	-	0	-	-	-
43	370.1	380.0	0	-	0.00%	-	0	-	-	-
44	380.1	390.0	0	-	0.00%	-	0	-	-	-
45	390.1	400.0	0	-	0.00%	-	0	-	-	-
46	400.1	410.0	0	-	0.00%	-	0	-	-	-
47	410.1	420.0	0	-	0.00%	-	0	-	-	-
48	420.1	430.0	0	-	0.00%	-	0	-	-	-
49	430.1	440.0	0	-	0.00%	-	0	-	-	-
50	440.1	450.0	0	-	0.00%	-	0	-	-	-
51	450.1	460.0	0	-	0.00%	-	0	-	-	-
52	460.1	470.0	0	-	0.00%	-	0	-	-	-
53	470.1	471.0	0	-	0.00%	-	0	-	-	-
54	471.1	480.0	0	-	0.00%	-	0	-	-	-
55	480.1	487.0	0	-	0.00%	-	0	-	-	-

Meter Size:		4 - Inch
Class:		Residential
Basic Service Charge:	$	371.03
Tier One Breakover (M Gal):		500
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	487.1	490.0	0	-	0.00%	-	0	-	-	-
2	490.1	493.0	0	-	0.00%	-	0	-	-	-
3	493.1	494.0	0	-	0.00%	-	0	-	-	-
4	494.1	500.0	0	-	0.00%	-	0	-	-	-
5	500.1	510.0	0	-	0.00%	-	0	-	-	-
6	510.1	520.0	0	-	0.00%	-	0	-	-	-
7	520.1	530.0	0	-	0.00%	-	0	-	-	-
8	530.1	540.0	0	-	0.00%	-	0	-	-	-
9	540.1	550.0	0	-	0.00%	-	0	-	-	-
10	550.1	560.0	0	-	0.00%	-	0	-	-	-
11	560.1	570.0	0	-	0.00%	-	0	-	-	-
12	570.1	580.0	0	-	0.00%	-	0	-	-	-
13	580.1	590.0	0	-	0.00%	-	0	-	-	-
14	590.1	600.0	0	-	0.00%	-	0	-	-	-
15	600.1	610.0	0	-	0.00%	-	0	-	-	-
16	610.1	620.0	0	-	0.00%	-	0	-	-	-
17	620.1	630.0	0	-	0.00%	-	0	-	-	-
18	630.1	640.0	0	-	0.00%	-	0	-	-	-
19	640.1	650.0	0	-	0.00%	-	0	-	-	-
20	650.1	660.0	0	-	0.00%	-	0	-	-	-
21	660.1	670.0	0	-	0.00%	-	0	-	-	-
22	670.1	680.0	0	-	0.00%	-	0	-	-	-
23	680.1	690.0	0	-	0.00%	-	0	-	-	-
24	690.1	700.0	0	-	0.00%	-	0	-	-	-
25	700.1	710.0	0	-	0.00%	-	0	-	-	-
26	710.1	720.0	0	-	0.00%	-	0	-	-	-
27	720.1	730.0	0	-	0.00%	-	0	-	-	-
28	730.1	740.0	0	-	0.00%	-	0	-	-	-
29	740.1	750.0	0	-	0.00%	-	0	-	-	-
30	750.1	760.0	0	-	0.00%	-	0	-	-	-
31	760.1	770.0	0	-	0.00%	-	0	-	-	-
32	770.1	780.0	0	-	0.00%	-	0	-	-	-
33	780.1	790.0	0	-	0.00%	-	0	-	-	-
34	790.1	795.0	0	-	0.00%	-	0	-	-	-
35	795.1	800.0	0	-	0.00%	-	0	-	-	-
36	800.1	810.0	0	-	0.00%	-	0	-	-	-
37	810.1	820.0	0	-	0.00%	-	0	-	-	-
38	820.1	830.0	0	-	0.00%	-	0	-	-	-
39	830.1	840.0	0	-	0.00%	-	0	-	-	-
40	840.1	850.0	0	-	0.00%	-	0	-	-	-
41	850.1	860.0	0	-	0.00%	-	0	-	-	-
42	860.1	870.0	0	-	0.00%	-	0	-	-	-
43	870.1	880.0	0	-	0.00%	-	0	-	-	-
44	880.1	890.0	0	-	0.00%	-	0	-	-	-
45	890.1	900.0	0	-	0.00%	-	0	-	-	-
46	900.1	910.0	0	-	0.00%	-	0	-	-	-
47	910.1	917.0	0	-	0.00%	-	0	-	-	-
48	917.1	925.0	0	-	0.00%	-	0	-	-	-
49	925.1	950.0	0	-	0.00%	-	0	-	-	-
50	950.1	975.0	0	-	0.00%	-	0	-	-	-
51	975.1	1,000.0	0	-	0.00%	-	0	-	-	-
52	1,000.1	1,025.0	0	-	0.00%	-	0	-	-	-
53	1,025.1	1,050.0	0	-	0.00%	-	0	-	-	-
54	1,050.1	1,075.0	0	-	0.00%	-	0	-	-	-
55	1,075.1	1,100.0	0	-	0.00%	-	0	-	-	-

(Continued)

Meter Size:		4 - Inch
Class:		Residential
Bill Count File:		0
Basic Service Charge:	$	371.03
Tier One Breakover (M Gal):		500
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	1,100.1	1,125.0	0	-	0.00%	-	0	-	-	-
2	1,125.1	1,145.0	0	-	0.00%	-	0	-	-	-
3	1,145.1	1,150.0	0	-	0.00%	-	0	-	-	-
4	1,150.1	1,175.0	0	-	0.00%	-	0	-	-	-
5	1,175.1	1,195.0	0	-	0.00%	-	0	-	-	-
6	1,195.1	1,200.0	0	-	0.00%	-	0	-	-	-
7	1,200.1	1,300.0	0	-	0.00%	-	0	-	-	-
8	1,300.1	1,400.0	0	-	0.00%	-	0	-	-	-
9	1,400.1	1,500.0	0	-	0.00%	-	0	-	-	-
10	1,500.1	1,600.0	0	-	0.00%	-	0	-	-	-
11	1,600.1	1,700.0	0	-	0.00%	-	0	-	-	-
12	1,700.1	1,800.0	0	-	0.00%	-	0	-	-	-
13	1,800.1	1,900.0	0	-	0.00%	-	0	-	-	-
14	1,900.1	2,000.0	0	-	0.00%	-	0	-	-	-
15	2,000.1	2,100.0	0	-	0.00%	-	0	-	-	-
16	2,100.1	2,200.0	0	-	0.00%	-	0	-	-	-
17	2,200.1	2,300.0	0	-	0.00%	-	0	-	-	-
18	2,300.1	99,999.0	0	-	0.00%	-	0	-	-	-
19										
20	Total Bills/Use:		-	-	0.00%	-	-	-		-

(Continued)

Meter Size:		4 - Inch
Class:		Residential
Bill Count File:		0
Basic Service Charge:	$	371.03
Tier One Breakover (M Gal):		500
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Total Test Year Usage & Revenues at Test Year Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Total Test Year Usage & Revenues at Test Year Rates- Including Customer Growth

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Total Normalized Usage & Revenues at Proposed Rates- Including Customer Growth

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	0	-	0.00%	-	0	-	-	-
2	0.1	10.0	0	-	0.00%	-	0	-	-	-
3	10.1	25.0	0	-	0.00%	-	0	-	-	-
4	25.1	50.0	0	-	0.00%	-	0	-	-	-
5	50.1	75.0	0	-	0.00%	-	0	-	-	-
6	75.1	100.0	0	-	0.00%	-	0	-	-	-
7	100.1	125.0	0	-	0.00%	-	0	-	-	-
8	125.1	150.0	0	-	0.00%	-	0	-	-	-
9	150.1	175.0	0	-	0.00%	-	0	-	-	-
10	175.1	200.0	0	-	0.00%	-	0	-	-	-
11	200.1	225.0	0	-	0.00%	-	0	-	-	-
12	225.1	250.0	0	-	0.00%	-	0	-	-	-
13	250.1	275.0	0	-	0.00%	-	0	-	-	-
14	275.1	300.0	0	-	0.00%	-	0	-	-	-
15	300.1	325.0	0	-	0.00%	-	0	-	-	-
16	325.1	350.0	0	-	0.00%	-	0	-	-	-
17	350.1	375.0	0	-	0.00%	-	0	-	-	-
18	375.1	400.0	0	-	0.00%	-	0	-	-	-
19	400.1	425.0	0	-	0.00%	-	0	-	-	-
20	425.1	450.0	0	-	0.00%	-	0	-	-	-
21	450.1	475.0	0	-	0.00%	-	0	-	-	-
22	475.1	500.0	0	-	0.00%	-	0	-	-	-
23	500.1	525.0	0	-	0.00%	-	0	-	-	-
24	525.1	550.0	0	-	0.00%	-	0	-	-	-
25	550.1	567.0	0	-	0.00%	-	0	-	-	-
26	567.1	600.0	0	-	0.00%	-	0	-	-	-
27	600.1	625.0	0	-	0.00%	-	0	-	-	-
28	625.1	650.0	0	-	0.00%	-	0	-	-	-
29	650.1	675.0	0	-	0.00%	-	0	-	-	-
30	675.1	700.0	0	-	0.00%	-	0	-	-	-
31	700.1	725.0	0	-	0.00%	-	0	-	-	-
32	725.1	750.0	0	-	0.00%	-	0	-	-	-
33	750.1	775.0	0	-	0.00%	-	0	-	-	-
34	775.1	800.0	0	-	0.00%	-	0	-	-	-
35	800.1	825.0	0	-	0.00%	-	0	-	-	-
36	825.1	850.0	0	-	0.00%	-	0	-	-	-
37	850.1	875.0	0	-	0.00%	-	0	-	-	-
38	875.1	900.0	0	-	0.00%	-	0	-	-	-
39	900.1	925.0	0	-	0.00%	-	0	-	-	-
40	925.1	950.0	0	-	0.00%	-	0	-	-	-
41	950.1	975.0	0	-	0.00%	-	0	-	-	-
42	975.1	1,000.0	0	-	0.00%	-	0	-	-	-
43	1,000.1	1,002.0	0	-	0.00%	-	0	-	-	-
44	1,002.1	1,025.0	0	-	0.00%	-	0	-	-	-
45	1,025.1	1,050.0	0	-	0.00%	-	0	-	-	-
46	1,050.1	1,075.0	0	-	0.00%	-	0	-	-	-
47	1,075.1	1,100.0	0	-	0.00%	-	0	-	-	-
48	1,100.1	1,125.0	0	-	0.00%	-	0	-	-	-
49	1,125.1	1,150.0	0	-	0.00%	-	0	-	-	-
50	1,150.1	1,175.0	0	-	0.00%	-	0	-	-	-
51	1,175.1	1,200.0	0	-	0.00%	-	0	-	-	-
52	1,200.1	1,225.0	0	-	0.00%	-	0	-	-	-
53	1,225.1	1,250.0	0	-	0.00%	-	0	-	-	-
54	1,250.1	1,275.0	0	-	0.00%	-	0	-	-	-
55	1,275.1	1,300.0	0	-	0.00%	-	0	-	-	-

Meter Size:		6 - Inch
Class:		Residential
Basic Service Charge:	$	742.06
Tier One Breakover (M Gal):		925
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	1,300.1	1,325.0	0	-	0.00%	-	0	-	-	-
2	1,325.1	1,350.0	0	-	0.00%	-	0	-	-	-
3	1,350.1	1,375.0	0	-	0.00%	-	0	-	-	-
4	1,375.1	1,400.0	0	-	0.00%	-	0	-	-	-
5	1,400.1	1,425.0	0	-	0.00%	-	0	-	-	-
6	1,425.1	1,450.0	0	-	0.00%	-	0	-	-	-
7	1,450.1	1,475.0	0	-	0.00%	-	0	-	-	-
8	1,475.1	1,500.0	0	-	0.00%	-	0	-	-	-
9	1,500.1	1,525.0	0	-	0.00%	-	0	-	-	-
10	1,525.1	1,550.0	0	-	0.00%	-	0	-	-	-
11	1,550.1	1,575.0	0	-	0.00%	-	0	-	-	-
12	1,575.1	1,600.0	0	-	0.00%	-	0	-	-	-
13	1,600.1	1,625.0	0	-	0.00%	-	0	-	-	-
14	1,625.1	1,650.0	0	-	0.00%	-	0	-	-	-
15	1,650.1	1,675.0	0	-	0.00%	-	0	-	-	-
16	1,675.1	1,700.0	0	-	0.00%	-	0	-	-	-
17	1,700.1	1,725.0	0	-	0.00%	-	0	-	-	-
18	1,725.1	1,750.0	0	-	0.00%	-	0	-	-	-
19	1,750.1	1,775.0	0	-	0.00%	-	0	-	-	-
20	1,775.1	1,800.0	0	-	0.00%	-	0	-	-	-
21	1,800.1	1,825.0	0	-	0.00%	-	0	-	-	-
22	1,825.1	1,850.0	0	-	0.00%	-	0	-	-	-
23	1,850.1	1,875.0	0	-	0.00%	-	0	-	-	-
24	1,875.1	1,889.0	0	-	0.00%	-	0	-	-	-
25	1,889.1	1,895.0	0	-	0.00%	-	0	-	-	-
26	1,895.1	1,900.0	0	-	0.00%	-	0	-	-	-
27	1,900.1	1,925.0	0	-	0.00%	-	0	-	-	-
28	1,925.1	1,950.0	0	-	0.00%	-	0	-	-	-
29	1,950.1	1,975.0	0	-	0.00%	-	0	-	-	-
30	1,975.1	2,000.0	0	-	0.00%	-	0	-	-	-
31	2,000.1	2,025.0	0	-	0.00%	-	0	-	-	-
32	2,025.1	2,050.0	0	-	0.00%	-	0	-	-	-
33	2,050.1	2,075.0	0	-	0.00%	-	0	-	-	-
34	2,075.1	2,100.0	0	-	0.00%	-	0	-	-	-
35	2,100.1	2,125.0	0	-	0.00%	-	0	-	-	-
36	2,125.1	2,150.0	0	-	0.00%	-	0	-	-	-
37	2,150.1	2,160.0	0	-	0.00%	-	0	-	-	-
38	2,160.1	2,175.0	0	-	0.00%	-	0	-	-	-
39	2,175.1	2,200.0	0	-	0.00%	-	0	-	-	-
40	2,200.1	2,225.0	0	-	0.00%	-	0	-	-	-
41	2,225.1	2,250.0	0	-	0.00%	-	0	-	-	-
42	2,250.1	2,275.0	0	-	0.00%	-	0	-	-	-
43	2,275.1	2,300.0	0	-	0.00%	-	0	-	-	-
44	2,300.1	2,325.0	0	-	0.00%	-	0	-	-	-
45	2,325.1	2,350.0	0	-	0.00%	-	0	-	-	-
46	2,350.1	2,359.0	0	-	0.00%	-	0	-	-	-
47	2,359.1	2,375.0	0	-	0.00%	-	0	-	-	-
48	2,375.1	2,400.0	0	-	0.00%	-	0	-	-	-
49	2,400.1	2,450.0	0	-	0.00%	-	0	-	-	-
50	2,450.1	2,500.0	0	-	0.00%	-	0	-	-	-
51	2,500.1	2,550.0	0	-	0.00%	-	0	-	-	-
52	2,550.1	2,600.0	0	-	0.00%	-	0	-	-	-
53	2,600.1	2,650.0	0	-	0.00%	-	0	-	-	-
54	2,650.1	2,700.0	0	-	0.00%	-	0	-	-	-
55	2,700.1	2,750.0	0	-	0.00%	-	0	-	-	-

(Continued)

Meter Size:		6 - Inch
Class:		Residential
Bill Count File:		0
Basic Service Charge:	$	742.06
Tier One Breakover (M Gal):		925
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

ARIZONA WATER COMPANY
Test Year Ended December 31, 2010
Bill Count

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	2,750.1	2,800.0	0	-	0.00%	-	0	-	-	-
2	2,800.1	2,850.0	0	-	0.00%	-	0	-	-	-
3	2,850.1	2,900.0	0	-	0.00%	-	0	-	-	-
4	2,900.1	2,950.0	0	-	0.00%	-	0	-	-	-
5	2,950.1	3,000.0	0	-	0.00%	-	0	-	-	-
6	3,000.1	3,050.0	0	-	0.00%	-	0	-	-	-
7	3,050.1	3,100.0	0	-	0.00%	-	0	-	-	-
8	3,100.1	3,150.0	0	-	0.00%	-	0	-	-	-
9	3,150.1	3,200.0	0	-	0.00%	-	0	-	-	-
10	3,200.1	3,250.0	0	-	0.00%	-	0	-	-	-
11	3,250.1	3,300.0	0	-	0.00%	-	0	-	-	-
12	3,300.1	3,350.0	0	-	0.00%	-	0	-	-	-
13	3,350.1	3,400.0	0	-	0.00%	-	0	-	-	-
14	3,400.1	3,450.0	0	-	0.00%	-	0	-	-	-
15	3,450.1	3,500.0	0	-	0.00%	-	0	-	-	-
16	3,500.1	3,550.0	0	-	0.00%	-	0	-	-	-
17	3,550.1	3,600.0	0	-	0.00%	-	0	-	-	-
18	3,600.1	99,999.0	0	-	0.00%	-	0	-	-	-
19										
20	Total Bills/Use:		-	-	0.00%	-	-	-		-

(Continued)

Meter Size:		6 - Inch
Class:		Residential
Bill Count File:		0
Basic Service Charge:	$	742.06
Tier One Breakover (M Gal):		925
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Total Test Year Usage & Revenues at Test Year Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Total Test Year Usage & Revenues at Test Year Rates- Including Customer Growth

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Total Normalized Usage & Revenues at Proposed Rates- Including Customer Growth

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	0	-	0.00%	-	0	-	-	-
2	0.1	10.0	0	-	0.00%	-	0	-	-	-
3	10.1	25.0	0	-	0.00%	-	0	-	-	-
4	25.1	50.0	0	-	0.00%	-	0	-	-	-
5	50.1	75.0	0	-	0.00%	-	0	-	-	-
6	75.1	100.0	0	-	0.00%	-	0	-	-	-
7	100.1	125.0	0	-	0.00%	-	0	-	-	-
8	125.1	150.0	0	-	0.00%	-	0	-	-	-
9	150.1	175.0	0	-	0.00%	-	0	-	-	-
10	175.1	200.0	0	-	0.00%	-	0	-	-	-
11	200.1	225.0	0	-	0.00%	-	0	-	-	-
12	225.1	250.0	0	-	0.00%	-	0	-	-	-
13	250.1	275.0	0	-	0.00%	-	0	-	-	-
14	275.1	300.0	0	-	0.00%	-	0	-	-	-
15	300.1	325.0	0	-	0.00%	-	0	-	-	-
16	325.1	350.0	0	-	0.00%	-	0	-	-	-
17	350.1	375.0	0	-	0.00%	-	0	-	-	-
18	375.1	400.0	0	-	0.00%	-	0	-	-	-
19	400.1	425.0	0	-	0.00%	-	0	-	-	-
20	425.1	450.0	0	-	0.00%	-	0	-	-	-
21	450.1	475.0	0	-	0.00%	-	0	-	-	-
22	475.1	500.0	0	-	0.00%	-	0	-	-	-
23	500.1	525.0	0	-	0.00%	-	0	-	-	-
24	525.1	550.0	0	-	0.00%	-	0	-	-	-
25	550.1	567.0	0	-	0.00%	-	0	-	-	-
26	567.1	600.0	0	-	0.00%	-	0	-	-	-
27	600.1	625.0	0	-	0.00%	-	0	-	-	-
28	625.1	650.0	0	-	0.00%	-	0	-	-	-
29	650.1	675.0	0	-	0.00%	-	0	-	-	-
30	675.1	700.0	0	-	0.00%	-	0	-	-	-
31	700.1	725.0	0	-	0.00%	-	0	-	-	-
32	725.1	750.0	0	-	0.00%	-	0	-	-	-
33	750.1	775.0	0	-	0.00%	-	0	-	-	-
34	775.1	800.0	0	-	0.00%	-	0	-	-	-
35	800.1	825.0	0	-	0.00%	-	0	-	-	-
36	825.1	850.0	0	-	0.00%	-	0	-	-	-
37	850.1	875.0	0	-	0.00%	-	0	-	-	-
38	875.1	900.0	0	-	0.00%	-	0	-	-	-
39	900.1	921.0	0	-	0.00%	-	0	-	-	-
40	921.1	925.0	0	-	0.00%	-	0	-	-	-
41	925.1	950.0	0	-	0.00%	-	0	-	-	-
42	950.1	975.0	0	-	0.00%	-	0	-	-	-
43	975.1	1,000.0	0	-	0.00%	-	0	-	-	-
44	1,000.1	1,025.0	0	-	0.00%	-	0	-	-	-
45	1,025.1	1,050.0	0	-	0.00%	-	0	-	-	-
46	1,050.1	1,075.0	0	-	0.00%	-	0	-	-	-
47	1,075.1	1,100.0	0	-	0.00%	-	0	-	-	-
48	1,100.1	1,125.0	0	-	0.00%	-	0	-	-	-
49	1,125.1	1,150.0	0	-	0.00%	-	0	-	-	-
50	1,150.1	1,175.0	0	-	0.00%	-	0	-	-	-
51	1,175.1	1,200.0	0	-	0.00%	-	0	-	-	-
52	1,200.1	1,225.0	0	-	0.00%	-	0	-	-	-
53	1,225.1	1,250.0	0	-	0.00%	-	0	-	-	-
54	1,250.1	1,275.0	0	-	0.00%	-	0	-	-	-
55	1,275.1	1,300.0	0	-	0.00%	-	0	-	-	-

Meter Size:		8 - Inch
Class:		Residential
Basic Service Charge:	$	1,187.30
Tier One Breakover (M Gal):		1,500
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	1,300.1	1,310.0	0	-	0.00%	-	0	-	-	-
2	1,310.1	1,325.0	0	-	0.00%	-	0	-	-	-
3	1,325.1	1,350.0	0	-	0.00%	-	0	-	-	-
4	1,350.1	1,375.0	0	-	0.00%	-	0	-	-	-
5	1,375.1	1,400.0	0	-	0.00%	-	0	-	-	-
6	1,400.1	1,425.0	0	-	0.00%	-	0	-	-	-
7	1,425.1	1,450.0	0	-	0.00%	-	0	-	-	-
8	1,450.1	1,475.0	0	-	0.00%	-	0	-	-	-
9	1,475.1	1,500.0	0	-	0.00%	-	0	-	-	-
10	1,500.1	1,525.0	0	-	0.00%	-	0	-	-	-
11	1,525.1	1,550.0	0	-	0.00%	-	0	-	-	-
12	1,550.1	1,575.0	0	-	0.00%	-	0	-	-	-
13	1,575.1	1,600.0	0	-	0.00%	-	0	-	-	-
14	1,600.1	1,620.0	0	-	0.00%	-	0	-	-	-
15	1,620.1	1,625.0	0	-	0.00%	-	0	-	-	-
16	1,625.1	1,650.0	0	-	0.00%	-	0	-	-	-
17	1,650.1	1,675.0	0	-	0.00%	-	0	-	-	-
18	1,675.1	1,700.0	0	-	0.00%	-	0	-	-	-
19	1,700.1	1,725.0	0	-	0.00%	-	0	-	-	-
20	1,725.1	1,750.0	0	-	0.00%	-	0	-	-	-
21	1,750.1	1,775.0	0	-	0.00%	-	0	-	-	-
22	1,775.1	1,800.0	0	-	0.00%	-	0	-	-	-
23	1,800.1	1,825.0	0	-	0.00%	-	0	-	-	-
24	1,825.1	1,850.0	0	-	0.00%	-	0	-	-	-
25	1,850.1	1,875.0	0	-	0.00%	-	0	-	-	-
26	1,875.1	1,900.0	0	-	0.00%	-	0	-	-	-
27	1,900.1	1,925.0	0	-	0.00%	-	0	-	-	-
28	1,925.1	1,950.0	0	-	0.00%	-	0	-	-	-
29	1,950.1	2,000.0	0	-	0.00%	-	0	-	-	-
30	2,000.1	2,050.0	0	-	0.00%	-	0	-	-	-
31	2,050.1	2,100.0	0	-	0.00%	-	0	-	-	-
32	2,100.1	2,150.0	0	-	0.00%	-	0	-	-	-
33	2,150.1	2,160.0	0	-	0.00%	-	0	-	-	-
34	2,160.1	2,200.0	0	-	0.00%	-	0	-	-	-
35	2,200.1	2,250.0	0	-	0.00%	-	0	-	-	-
36	2,250.1	2,300.0	0	-	0.00%	-	0	-	-	-
37	2,300.1	2,350.0	0	-	0.00%	-	0	-	-	-
38	2,350.1	2,400.0	0	-	0.00%	-	0	-	-	-
39	2,400.1	2,450.0	0	-	0.00%	-	0	-	-	-
40	2,450.1	2,500.0	0	-	0.00%	-	0	-	-	-
41	2,500.1	2,550.0	0	-	0.00%	-	0	-	-	-
42	2,550.1	2,600.0	0	-	0.00%	-	0	-	-	-
43	2,600.1	2,650.0	0	-	0.00%	-	0	-	-	-
44	2,650.1	2,700.0	0	-	0.00%	-	0	-	-	-
45	2,700.1	2,750.0	0	-	0.00%	-	0	-	-	-
46	2,750.1	2,800.0	0	-	0.00%	-	0	-	-	-
47	2,800.1	2,850.0	0	-	0.00%	-	0	-	-	-
48	2,850.1	2,900.0	0	-	0.00%	-	0	-	-	-
49	2,900.1	2,950.0	0	-	0.00%	-	0	-	-	-
50	2,950.1	3,000.0	0	-	0.00%	-	0	-	-	-
51	3,000.1	3,050.0	0	-	0.00%	-	0	-	-	-
52	3,050.1	3,055.0	0	-	0.00%	-	0	-	-	-
53	3,055.1	3,100.0	0	-	0.00%	-	0	-	-	-
54	3,100.1	3,150.0	0	-	0.00%	-	0	-	-	-
55	3,150.1	3,200.0	0	-	0.00%	-	0	-	-	-

(Continued)

Meter Size:		8 - Inch
Class:		Residential
Bill Count File:		0
Basic Service Charge:	$	1,187.30
Tier One Breakover (M Gal):		1,500
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	3,200.1	3,250.0	0	-	0.00%	-	0	-	-	-
2	3,250.1	3,300.0	0	-	0.00%	-	0	-	-	-
3	3,300.1	3,350.0	0	-	0.00%	-	0	-	-	-
4	3,350.1	3,400.0	0	-	0.00%	-	0	-	-	-
5	3,400.1	3,450.0	0	-	0.00%	-	0	-	-	-
6	3,450.1	3,500.0	0	-	0.00%	-	0	-	-	-
7	3,500.1	3,550.0	0	-	0.00%	-	0	-	-	-
8	3,550.1	3,600.0	0	-	0.00%	-	0	-	-	-
9	3,600.1	3,650.0	0	-	0.00%	-	0	-	-	-
10	3,650.1	3,700.0	0	-	0.00%	-	0	-	-	-
11	3,700.1	3,750.0	0	-	0.00%	-	0	-	-	-
12	3,750.1	3,800.0	0	-	0.00%	-	0	-	-	-
13	3,800.1	3,817.0	0	-	0.00%	-	0	-	-	-
14	3,817.1	3,850.0	0	-	0.00%	-	0	-	-	-
15	3,850.1	3,900.0	0	-	0.00%	-	0	-	-	-
16	3,900.1	3,950.0	0	-	0.00%	-	0	-	-	-
17	3,950.1	4,000.0	0	-	0.00%	-	0	-	-	-
18	4,000.1	99,999.0	0	-	0.00%	-	0	-	-	-
19										
20	Total Bills/Use:		-	-	0.00%	-	-	-		-
21										
22										

Total Test Year Usage & Revenues at Test Year Rates

Line No.		Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
23								
24								
25								
26								
27	Rate Tier One				-	$ -		
28	Rate Tier Two				-	-		
29	Rate Tier Three				-	-		
30	Totals	-	-	-	-	$ -	$ -	$ -
31								
32								

Total Test Year Usage & Revenues at Test Year Rates- Including Customer Growth

Line No.		Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
33								
34								
35								
36								
37	Rate Tier One				-	$ -		
38	Rate Tier Two				-	-		
39	Rate Tier Three				-	-		
40	Totals	-	-	-	-	$ -	$ -	$ -
41								
42								

Total Normalized Usage & Revenues at Proposed Rates- Including Customer Growth

Line No.		Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
43								
44								
45								
46								
47	Rate Tier One				-	$ -		
48	Rate Tier Two				-	-		
49	Rate Tier Three				-	-		
50	Totals	-	-	-	-	$ -	$ -	$ -
51								
52								
53								
54								
55								

(Continued)

Meter Size:	8 - Inch
Class:	Residential
Bill Count File:	0
Basic Service Charge:	$ 1,187.30
Tier One Breakover (M Gal):	1,500
Tier Two Breakover (M Gal):	99,999
Tier Three Breakover (M Gal):	99,999
Tier One Rate:	$ 1.8074
Tier Two Rate:	$ 2.2595
Tier Three Rate:	$ 2.2595

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	-	-	0.00%	-	-	-	-	-
2	0.1	10.0	-	-	0.00%	-	-	-	-	-
3	10.1	25.0	-	-	0.00%	-	-	-	-	-
4	25.1	50.0	-	-	0.00%	-	-	-	-	-
5	50.1	75.0	-	-	0.00%	-	-	-	-	-
6	75.1	100.0	-	-	0.00%	-	-	-	-	-
7	100.1	125.0	-	-	0.00%	-	-	-	-	-
8	125.1	150.0	-	-	0.00%	-	-	-	-	-
9	150.1	175.0	-	-	0.00%	-	-	-	-	-
10	175.1	200.0	-	-	0.00%	-	-	-	-	-
11	200.1	225.0	-	-	0.00%	-	-	-	-	-
12	225.1	250.0	-	-	0.00%	-	-	-	-	-
13	250.1	275.0	-	-	0.00%	-	-	-	-	-
14	275.1	300.0	-	-	0.00%	-	-	-	-	-
15	300.1	325.0	-	-	0.00%	-	-	-	-	-
16	325.1	350.0	-	-	0.00%	-	-	-	-	-
17	350.1	375.0	-	-	0.00%	-	-	-	-	-
18	375.1	400.0	-	-	0.00%	-	-	-	-	-
19	400.1	425.0	-	-	0.00%	-	-	-	-	-
20	425.1	450.0	-	-	0.00%	-	-	-	-	-
21	450.1	475.0	-	-	0.00%	-	-	-	-	-
22	475.1	500.0	-	-	0.00%	-	-	-	-	-
23	500.1	525.0	-	-	0.00%	-	-	-	-	-
24	525.1	550.0	-	-	0.00%	-	-	-	-	-
25	550.1	567.0	-	-	0.00%	-	-	-	-	-
26	567.1	600.0	-	-	0.00%	-	-	-	-	-
27	600.1	625.0	-	-	0.00%	-	-	-	-	-
28	625.1	650.0	-	-	0.00%	-	-	-	-	-
29	650.1	675.0	-	-	0.00%	-	-	-	-	-
30	675.1	700.0	-	-	0.00%	-	-	-	-	-
31	700.1	725.0	-	-	0.00%	-	-	-	-	-
32	725.1	750.0	-	-	0.00%	-	-	-	-	-
33	750.1	775.0	-	-	0.00%	-	-	-	-	-
34	775.1	800.0	-	-	0.00%	-	-	-	-	-
35	800.1	825.0	-	-	0.00%	-	-	-	-	-
36	825.1	850.0	-	-	0.00%	-	-	-	-	-
37	850.1	875.0	-	-	0.00%	-	-	-	-	-
38	875.1	900.0	-	-	0.00%	-	-	-	-	-
39	900.1	921.0	-	-	0.00%	-	-	-	-	-
40	921.1	925.0	-	-	0.00%	-	-	-	-	-
41	925.1	950.0	-	-	0.00%	-	-	-	-	-
42	950.1	975.0	-	-	0.00%	-	-	-	-	-
43	975.1	1,000.0	-	-	0.00%	-	-	-	-	-
44	1,000.1	1,025.0	-	-	0.00%	-	-	-	-	-
45	1,025.1	1,050.0	-	-	0.00%	-	-	-	-	-
46	1,050.1	1,080.0	-	-	0.00%	-	-	-	-	-
47	1,080.1	1,100.0	-	-	0.00%	-	-	-	-	-
48	1,100.1	1,125.0	-	-	0.00%	-	-	-	-	-
49	1,125.1	1,150.0	-	-	0.00%	-	-	-	-	-
50	1,150.1	1,175.0	-	-	0.00%	-	-	-	-	-
51	1,175.1	1,200.0	-	-	0.00%	-	-	-	-	-
52	1,200.1	1,225.0	-	-	0.00%	-	-	-	-	-
53	1,225.1	1,250.0	-	-	0.00%	-	-	-	-	-
54	1,250.1	1,275.0	-	-	0.00%	-	-	-	-	-
55	1,275.1	1,300.0	-	-	0.00%	-	-	-	-	-

Meter Size:		10 - Inch
Class:		Residential
Basic Service Charge:	$	1,706.74
Tier One Breakover (M Gal):		2,647
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills Number of Bills by Block	[D] Bills No. Up to & Including Block	[E] Bills % of Total	[F] Bills Number of Bills Including & Through Block	[G] Use Total Use of Bills Stopping in Block	[H] Use Cum. Use of Bills Stopping in Block	[I] Use Total Use to Block of all Bills Through Block	[J] Use Cumulative Billed Usage
1	1,300.1	1,310.0	-	-	0.00%	-	-	-	-	-
2	1,310.1	1,325.0	-	-	0.00%	-	-	-	-	-
3	1,325.1	1,342.0	-	-	0.00%	-	-	-	-	-
4	1,342.1	1,375.0	-	-	0.00%	-	-	-	-	-
5	1,375.1	1,400.0	-	-	0.00%	-	-	-	-	-
6	1,400.1	1,425.0	-	-	0.00%	-	-	-	-	-
7	1,425.1	1,450.0	-	-	0.00%	-	-	-	-	-
8	1,450.1	1,475.0	-	-	0.00%	-	-	-	-	-
9	1,475.1	1,500.0	-	-	0.00%	-	-	-	-	-
10	1,500.1	1,525.0	-	-	0.00%	-	-	-	-	-
11	1,525.1	1,541.0	-	-	0.00%	-	-	-	-	-
12	1,541.1	1,575.0	-	-	0.00%	-	-	-	-	-
13	1,575.1	1,600.0	-	-	0.00%	-	-	-	-	-
14	1,600.1	1,620.0	-	-	0.00%	-	-	-	-	-
15	1,620.1	1,625.0	-	-	0.00%	-	-	-	-	-
16	1,625.1	1,650.0	-	-	0.00%	-	-	-	-	-
17	1,650.1	1,675.0	-	-	0.00%	-	-	-	-	-
18	1,675.1	1,700.0	-	-	0.00%	-	-	-	-	-
19	1,700.1	1,725.0	-	-	0.00%	-	-	-	-	-
20	1,725.1	1,750.0	-	-	0.00%	-	-	-	-	-
21	1,750.1	1,783.0	-	-	0.00%	-	-	-	-	-
22	1,783.1	1,800.0	-	-	0.00%	-	-	-	-	-
23	1,800.1	1,825.0	-	-	0.00%	-	-	-	-	-
24	1,825.1	1,850.0	-	-	0.00%	-	-	-	-	-
25	1,850.1	1,875.0	-	-	0.00%	-	-	-	-	-
26	1,875.1	1,900.0	-	-	0.00%	-	-	-	-	-
27	1,900.1	1,925.0	-	-	0.00%	-	-	-	-	-
28	1,925.1	1,940.0	-	-	0.00%	-	-	-	-	-
29	1,940.1	2,000.0	-	-	0.00%	-	-	-	-	-
30	2,000.1	2,050.0	-	-	0.00%	-	-	-	-	-
31	2,050.1	2,100.0	-	-	0.00%	-	-	-	-	-
32	2,100.1	2,150.0	-	-	0.00%	-	-	-	-	-
33	2,150.1	2,160.0	-	-	0.00%	-	-	-	-	-
34	2,160.1	2,223.0	-	-	0.00%	-	-	-	-	-
35	2,223.1	2,225.0	-	-	0.00%	-	-	-	-	-
36	2,225.1	2,262.0	-	-	0.00%	-	-	-	-	-
37	2,262.1	2,264.0	-	-	0.00%	-	-	-	-	-
38	2,264.1	2,341.0	-	-	0.00%	-	-	-	-	-
39	2,341.1	2,390.0	-	-	0.00%	-	-	-	-	-
40	2,390.1	2,500.0	-	-	0.00%	-	-	-	-	-
41	2,500.1	2,550.0	-	-	0.00%	-	-	-	-	-
42	2,550.1	2,600.0	-	-	0.00%	-	-	-	-	-
43	2,600.1	2,647.0	-	-	0.00%	-	-	-	-	-
44	2,647.1	2,700.0	-	-	0.00%	-	-	-	-	-
45	2,700.1	2,800.0	-	-	0.00%	-	-	-	-	-
46	2,800.1	2,900.0	-	-	0.00%	-	-	-	-	-
47	2,900.1	3,000.0	-	-	0.00%	-	-	-	-	-
48	3,000.1	3,100.0	-	-	0.00%	-	-	-	-	-
49	3,100.1	3,200.0	-	-	0.00%	-	-	-	-	-
50	3,200.1	3,300.0	-	-	0.00%	-	-	-	-	-
51	3,300.1	3,400.0	-	-	0.00%	-	-	-	-	-
52	3,400.1	3,500.0	-	-	0.00%	-	-	-	-	-
53	3,500.1	3,600.0	-	-	0.00%	-	-	-	-	-
54	3,600.1	3,700.0	-	-	0.00%	-	-	-	-	-
55	3,700.1	3,800.0	-	-	0.00%	-	-	-	-	-

(Continued)

Meter Size:		10 - Inch
Class:		Residential
Bill Count File:		0
Basic Service Charge:	$	1,706.74
Tier One Breakover (M Gal):		2,647
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

ARIZONA WATER COMPANY
Test Year Ended December 31, 2010
Bill Count

Winkelman

Line No.	[A] Block (M Gal) From	[B] To	[C] Bills: Number of Bills by Block	[D] No. Up to & Including Block	[E] % of Total	[F] Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Cum. Use of Bills Stopping in Block	[I] Total Use to Block of all Bills Through Block	[J] Cumulative Billed Usage
1	3,800.1	3,900.0	-	-	0.00%	-	-	-	-	-
2	3,900.1	4,000.0	-	-	0.00%	-	-	-	-	-
3	4,000.1	4,100.0	-	-	0.00%	-	-	-	-	-
4	4,100.1	4,200.0	-	-	0.00%	-	-	-	-	-
5	4,200.1	4,300.0	-	-	0.00%	-	-	-	-	-
6	4,300.1	4,416.0	-	-	0.00%	-	-	-	-	-
7	4,416.1	4,500.0	-	-	0.00%	-	-	-	-	-
8	4,500.1	5,024.0	-	-	0.00%	-	-	-	-	-
9	5,024.1	5,518.0	-	-	0.00%	-	-	-	-	-
10	5,518.1	6,000.0	-	-	0.00%	-	-	-	-	-
11	6,000.1	6,500.0	-	-	0.00%	-	-	-	-	-
12	6,500.1	7,292.0	-	-	0.00%	-	-	-	-	-
13	7,292.1	7,500.0	-	-	0.00%	-	-	-	-	-
14	7,500.1	8,000.0	-	-	0.00%	-	-	-	-	-
15	8,000.1	8,500.0	-	-	0.00%	-	-	-	-	-
16	8,500.1	9,000.0	-	-	0.00%	-	-	-	-	-
17	9,000.1	9,500.0	-	-	0.00%	-	-	-	-	-
18	9,500.1	99,999.0	-	-	0.00%	-	-	-	-	-
19										
20	Total Bills/Use:		-	-	0.00%	-	-	-		-
21										

(Continued)

Meter Size:		10 - Inch
Class:		Residential
Bill Count File:		0
Basic Service Charge:	$	1,706.74
Tier One Breakover (M Gal):		2,647
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Total Test Year Usage & Revenues at Test Year Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Total Test Year Usage & Revenues at Test Year Rates- Including Customer Growth

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Total Normalized Usage & Revenues at Proposed Rates- Including Customer Growth

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	31	31	18.67%	166	0	-	-	-
2	0.1	1.0	56	87	52.41%	135	25.4	25.4	79.0	104.4
3	1.1	2.0	11	98	59.04%	79	17.5	42.9	136.0	178.9
4	2.1	3.0	19	117	70.48%	68	47.7	90.6	147.0	237.6
5	3.1	4.0	8	125	75.30%	49	27.6	118.2	164.0	282.2
6	4.1	5.0	3	128	77.11%	41	14.2	132.4	190.0	322.4
7	5.1	6.0	2	130	78.31%	38	11.4	143.8	216.0	359.8
8	6.1	7.0	3	133	80.12%	36	19.2	163.0	231.0	394.0
9	7.1	8.0	3	136	81.93%	33	22.5	185.5	240.0	425.5
10	8.1	9.0	3	139	83.73%	30	25.5	211.0	243.0	454.0
11	9.1	10.0	0	139	83.73%	27	0	211.0	270.0	481.0
12	10.1	11.0	2	141	84.94%	27	20.8	231.8	275.0	506.8
13	11.1	12.0	1	142	85.54%	25	11.7	243.5	288.0	531.5
14	12.1	13.0	1	143	86.14%	24	12.8	256.3	299.0	555.3
15	13.1	14.0	1	144	86.75%	23	13.3	269.6	308.0	577.6
16	14.1	15.0	2	146	87.95%	22	28.3	297.9	300.0	597.9
17	15.1	16.0	4	150	90.36%	20	61	358.9	256.0	614.9
18	16.1	17.0	0	150	90.36%	16	0	358.9	272.0	630.9
19	17.1	18.0	1	151	90.96%	16	17.1	376.0	270.0	646.0
20	18.1	19.0	1	152	91.57%	15	18.9	394.9	266.0	660.9
21	19.1	20.0	0	152	91.57%	14	0	394.9	280.0	674.9
22	20.1	21.0	2	154	92.77%	14	40.3	435.2	252.0	687.2
23	21.1	22.0	1	155	93.37%	12	21.2	456.4	242.0	698.4
24	22.1	23.0	1	156	93.98%	11	22.4	478.8	230.0	708.8
25	23.1	24.0	0	156	93.98%	10	0	478.8	240.0	718.8
26	24.1	25.0	0	156	93.98%	10	0	478.8	250.0	728.8
27	25.1	26.0	0	156	93.98%	10	0	478.8	260.0	738.8
28	26.1	27.0	0	156	93.98%	10	0	478.8	270.0	748.8
29	27.1	28.0	0	156	93.98%	10	0	478.8	280.0	758.8
30	28.1	29.0	0	156	93.98%	10	0	478.8	290.0	768.8
31	29.1	30.0	1	157	94.58%	10	-28.6	450.2	270.0	720.2
32	30.1	31.0	0	157	94.58%	9	0	450.2	279.0	729.2
33	31.1	32.0	1	158	95.18%	9	31.4	481.6	256.0	737.6
34	32.1	33.0	2	160	96.39%	8	64.2	545.8	198.0	743.8
35	33.1	34.0	0	160	96.39%	6	0	545.8	204.0	749.8
36	34.1	35.0	1	161	96.99%	6	34.2	580.0	175.0	755.0
37	35.1	36.0	0	161	96.99%	5	0	580.0	180.0	760.0
38	36.1	37.0	0	161	96.99%	5	0	580.0	185.0	765.0
39	37.1	38.0	0	161	96.99%	5	0	580.0	190.0	770.0
40	38.1	39.0	0	161	96.99%	5	0	580.0	195.0	775.0
41	39.1	40.0	1	162	97.59%	5	39.5	619.5	160.0	779.5
42	40.1	41.0	0	162	97.59%	4	0	619.5	164.0	783.5
43	41.1	42.0	0	162	97.59%	4	0	619.5	168.0	787.5
44	42.1	43.0	0	162	97.59%	4	0	619.5	172.0	791.5
45	43.1	44.0	0	162	97.59%	4	0	619.5	176.0	795.5
46	44.1	45.0	0	162	97.59%	4	0	619.5	180.0	799.5
47	45.1	46.0	0	162	97.59%	4	0	619.5	184.0	803.5
48	46.1	47.0	0	162	97.59%	4	0	619.5	188.0	807.5
49	47.1	48.0	0	162	97.59%	4	0	619.5	192.0	811.5
50	48.1	49.0	0	162	97.59%	4	0	619.5	196.0	815.5
51	49.1	50.0	1	163	98.19%	4	49.1	668.6	150.0	818.6
52	50.1	55.0	0	163	98.19%	3	0	668.6	165.0	833.6
53	55.1	60.0	0	163	98.19%	3	0	668.6	180.0	848.6
54	60.1	65.0	0	163	98.19%	3	0	668.6	195.0	863.6
55	65.1	70.0	0	163	98.19%	3	0	668.6	210.0	878.6

Meter Size:		5/8 - Inch
Class:		Commercial
Basic Service Charge:	$	14.84
Tier One Breakover (M Gal):		10
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

ARIZONA WATER COMPANY
Test Year Ended December 31, 2010
Bill Count

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	70.1	75.0	0	163	98.19%	3	0	668.6	225.0	893.6
2	75.1	80.0	0	163	98.19%	3	0	668.6	240.0	908.6
3	80.1	85.0	0	163	98.19%	3	0	668.6	255.0	923.6
4	85.1	90.0	0	163	98.19%	3	0	668.6	270.0	938.6
5	90.1	95.0	0	163	98.19%	3	0	668.6	285.0	953.6
6	95.1	100.0	0	163	98.19%	3	0	668.6	300.0	968.6
7	100.1	105.0	1	164	98.80%	3	104.6	773.2	210.0	983.2
8	105.1	110.0	0	164	98.80%	2	0	773.2	220.0	993.2
9	110.1	115.0	0	164	98.80%	2	0	773.2	230.0	1,003.2
10	115.1	120.0	1	165	99.40%	2	-115.4	657.8	120.0	777.8
11	120.1	125.0	0	165	99.40%	1	0	657.8	125.0	782.8
12	125.1	130.0	0	165	99.40%	1	0	657.8	130.0	787.8
13	130.1	135.0	0	165	99.40%	1	0	657.8	135.0	792.8
14	135.1	140.0	0	165	99.40%	1	0	657.8	140.0	797.8
15	140.1	145.0	0	165	99.40%	1	0	657.8	145.0	802.8
16	145.1	150.0	0	165	99.40%	1	0	657.8	150.0	807.8
17	150.1	155.0	0	165	99.40%	1	0	657.8	155.0	812.8
18	155.1	160.0	0	165	99.40%	1	0	657.8	160.0	817.8
19	160.1	165.0	0	165	99.40%	1	0	657.8	165.0	822.8
20	165.1	170.0	0	165	99.40%	1	0	657.8	170.0	827.8
21	170.1	175.0	0	165	99.40%	1	0	657.8	175.0	832.8
22	175.1	180.0	0	165	99.40%	1	0	657.8	180.0	837.8
23	180.1	185.0	0	165	99.40%	1	0	657.8	185.0	842.8
24	185.1	190.0	0	165	99.40%	1	0	657.8	190.0	847.8
25	190.1	195.0	0	165	99.40%	1	0	657.8	195.0	852.8
26	195.1	200.0	0	165	99.40%	1	0	657.8	200.0	857.8
27	200.1	205.0	0	165	99.40%	1	0	657.8	205.0	862.8
28	205.1	210.0	0	165	99.40%	1	0	657.8	210.0	867.8
29	210.1	215.0	0	165	99.40%	1	0	657.8	215.0	872.8
30	215.1	220.0	0	165	99.40%	1	0	657.8	220.0	877.8
31	220.1	225.0	0	165	99.40%	1	0	657.8	225.0	882.8
32	225.1	230.0	0	165	99.40%	1	0	657.8	230.0	887.8
33	230.1	235.0	0	165	99.40%	1	0	657.8	235.0	892.8
34	235.1	240.0	0	165	99.40%	1	0	657.8	240.0	897.8
35	240.1	245.0	0	165	99.40%	1	0	657.8	245.0	902.8
36	245.1	250.0	0	165	99.40%	1	0	657.8	250.0	907.8
37	250.1	255.0	0	165	99.40%	1	0	657.8	255.0	912.8
38	255.1	260.0	0	165	99.40%	1	0	657.8	260.0	917.8
39	260.1	265.0	0	165	99.40%	1	0	657.8	265.0	922.8
40	265.1	270.0	0	165	99.40%	1	0	657.8	270.0	927.8
41	270.1	275.0	0	165	99.40%	1	0	657.8	275.0	932.8
42	275.1	280.0	0	165	99.40%	1	0	657.8	280.0	937.8
43	280.1	285.0	0	165	99.40%	1	0	657.8	285.0	942.8
44	285.1	290.0	0	165	99.40%	1	0	657.8	290.0	947.8
45	290.1	295.0	0	165	99.40%	1	0	657.8	295.0	952.8
46	295.1	300.0	0	165	99.40%	1	0	657.8	300.0	957.8
47	300.1	310.0	0	165	99.40%	1	0	657.8	310.0	967.8
48	310.1	320.0	0	165	99.40%	1	0	657.8	320.0	977.8
49	320.1	330.0	0	165	99.40%	1	0	657.8	330.0	987.8
50	330.1	340.0	0	165	99.40%	1	0	657.8	340.0	997.8
51	340.1	350.0	0	165	99.40%	1	0	657.8	350.0	1,007.8
52	350.1	360.0	0	165	99.40%	1	0	657.8	360.0	1,017.8
53	360.1	370.0	0	165	99.40%	1	0	657.8	370.0	1,027.8
54	370.1	380.0	0	165	99.40%	1	0	657.8	380.0	1,037.8
55	380.1	390.0	0	165	99.40%	1	0	657.8	390.0	1,047.8

(Continued)

Meter Size:		5/8 - Inch
Class:		Commercial
Bill Count File:		0
Basic Service Charge:	$	14.84
Tier One Breakover (M Gal):		10
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Winkelman

Line No.	[A] Block (M Gal) From	[B] To	[C] Bills: Number of Bills by Block	[D] No. Up to & Including Block	[E] % of Total	[F] Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Cum. Use of Bills Stopping in Block	[I] Total Use to Block of all Bills Through Block	[J] Cumulative Billed Usage
1	390.1	400.0	0	165	99.40%	1	0	657.8	400.0	1,057.8
2	400.1	410.0	0	165	99.40%	1	0	657.8	410.0	1,067.8
3	410.1	420.0	0	165	99.40%	1	0	657.8	420.0	1,077.8
4	420.1	430.0	0	165	99.40%	1	0	657.8	430.0	1,087.8
5	430.1	440.0	0	165	99.40%	1	0	657.8	440.0	1,097.8
6	440.1	450.0	0	165	99.40%	1	0	657.8	450.0	1,107.8
7	450.1	460.0	0	165	99.40%	1	0	657.8	460.0	1,117.8
8	460.1	470.0	0	165	99.40%	1	0	657.8	470.0	1,127.8
9	470.1	480.0	0	165	99.40%	1	0	657.8	480.0	1,137.8
10	480.1	490.0	0	165	99.40%	1	0	657.8	490.0	1,147.8
11	490.1	500.0	0	165	99.40%	1	0	657.8	500.0	1,157.8
12	500.1	550.0	1	166	100.00%	1	510.1	1,167.9	-	1,167.9
13	550.1	600.0	0	166	100.00%	-	0	1,167.9	-	1,167.9
14	600.1	650.0	0	166	100.00%	-	0	1,167.9	-	1,167.9
15	650.1	700.0	0	166	100.00%	-	0	1,167.9	-	1,167.9
16	700.1	750.0	0	166	100.00%	-	0	1,167.9	-	1,167.9
17	750.1	800.0	0	166	100.00%	-	0	1,167.9	-	1,167.9
18	800.1	99,999.0	0	166	100.00%	-	0	1,167.9	-	1,167.9
19										
20	Total Bills/Use:		166	166	100.00%	166	1,167.9	1,167.9		1,167.9
21										
22										

Total Test Year Usage & Revenues at Test Year Rates

Line No.		Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
23								
24								
25								
26								
27	Rate Tier One				481.0	$ 869		
28	Rate Tier Two				686.9	1,552		
29	Rate Tier Three				-	-		
30	Totals	13.8	7,036	929	1,167.9	$ 2,421	$ 2,463	$ 4,885
31								
32								

Total Test Year Usage & Revenues at Test Year Rates- Including Customer Growth

Line No.		Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
33								
34								
35								
36								
37	Rate Tier One				431.9	$ 781		
38	Rate Tier Two				686.9	1,552		
39	Rate Tier Three				-	-		
40	Totals	13	7,036	928.6	1,118.8	$ 2,333	$ 2,360	$ 4,693
41								
42								

Total Normalized Usage & Revenues at Proposed Rates- Including Customer Growth

Line No.		Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
43								
44								
45								
46								
47	Rate Tier One				431.9	$ 1,053		
48	Rate Tier Two				663.3	2,022		
49	Rate Tier Three				-	-		
50	Totals	13.3	6,887	929	1,095.3	$ 3,075	$ 3,021	$ 6,096
51								
52								
53								
54								
55								

(Continued)

Meter Size:		5/8 - Inch
Class:		Commercial
Bill Count File:		0
Basic Service Charge:	$	14.84
Tier One Breakover (M Gal):		10
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	2	2	16.67%	12	0	-	-	-
2	0.1	1.0	3	5	41.67%	10	0.4	0.4	7.0	7.4
3	1.1	2.0	0	5	41.67%	7	0	0.4	14.0	14.4
4	2.1	3.0	1	6	50.00%	7	2.1	2.5	18.0	20.5
5	3.1	4.0	0	6	50.00%	6	0	2.5	24.0	26.5
6	4.1	5.0	0	6	50.00%	6	0	2.5	30.0	32.5
7	5.1	6.0	0	6	50.00%	6	0	2.5	36.0	38.5
8	6.1	7.0	0	6	50.00%	6	0	2.5	42.0	44.5
9	7.1	8.0	1	7	58.33%	6	7.6	10.1	40.0	50.1
10	8.1	9.0	0	7	58.33%	5	0	10.1	45.0	55.1
11	9.1	10.0	0	7	58.33%	5	0	10.1	50.0	60.1
12	10.1	11.0	0	7	58.33%	5	0	10.1	55.0	65.1
13	11.1	12.0	0	7	58.33%	5	0	10.1	60.0	70.1
14	12.1	13.0	0	7	58.33%	5	0	10.1	65.0	75.1
15	13.1	14.0	1	8	66.67%	5	13.2	23.3	56.0	79.3
16	14.1	15.0	0	8	66.67%	4	0	23.3	60.0	83.3
17	15.1	16.0	0	8	66.67%	4	0	23.3	64.0	87.3
18	16.1	17.0	0	8	66.67%	4	0	23.3	68.0	91.3
19	17.1	18.0	1	9	75.00%	4	17.9	41.2	54.0	95.2
20	18.1	19.0	0	9	75.00%	3	0	41.2	57.0	98.2
21	19.1	20.0	0	9	75.00%	3	0	41.2	60.0	101.2
22	20.1	21.0	0	9	75.00%	3	0	41.2	63.0	104.2
23	21.1	22.0	0	9	75.00%	3	0	41.2	66.0	107.2
24	22.1	23.0	0	9	75.00%	3	0	41.2	69.0	110.2
25	23.1	24.0	1	10	83.33%	3	23.2	64.4	48.0	112.4
26	24.1	25.0	0	10	83.33%	2	0	64.4	50.0	114.4
27	25.1	26.0	0	10	83.33%	2	0	64.4	52.0	116.4
28	26.1	27.0	0	10	83.33%	2	0	64.4	54.0	118.4
29	27.1	28.0	0	10	83.33%	2	0	64.4	56.0	120.4
30	28.1	29.0	0	10	83.33%	2	0	64.4	58.0	122.4
31	29.1	30.0	0	10	83.33%	2	0	64.4	60.0	124.4
32	30.1	31.0	0	10	83.33%	2	0	64.4	62.0	126.4
33	31.1	32.0	0	10	83.33%	2	0	64.4	64.0	128.4
34	32.1	33.0	0	10	83.33%	2	0	64.4	66.0	130.4
35	33.1	34.0	0	10	83.33%	2	0	64.4	68.0	132.4
36	34.1	35.0	0	10	83.33%	2	0	64.4	70.0	134.4
37	35.1	36.0	0	10	83.33%	2	0	64.4	72.0	136.4
38	36.1	37.0	0	10	83.33%	2	0	64.4	74.0	138.4
39	37.1	38.0	0	10	83.33%	2	0	64.4	76.0	140.4
40	38.1	39.0	0	10	83.33%	2	0	64.4	78.0	142.4
41	39.1	40.0	0	10	83.33%	2	0	64.4	80.0	144.4
42	40.1	41.0	0	10	83.33%	2	0	64.4	82.0	146.4
43	41.1	42.0	0	10	83.33%	2	0	64.4	84.0	148.4
44	42.1	43.0	0	10	83.33%	2	0	64.4	86.0	150.4
45	43.1	44.0	0	10	83.33%	2	0	64.4	88.0	152.4
46	44.1	45.0	0	10	83.33%	2	0	64.4	90.0	154.4
47	45.1	46.0	0	10	83.33%	2	0	64.4	92.0	156.4
48	46.1	47.0	0	10	83.33%	2	0	64.4	94.0	158.4
49	47.1	48.0	0	10	83.33%	2	0	64.4	96.0	160.4
50	48.1	49.0	0	10	83.33%	2	0	64.4	98.0	162.4
51	49.1	50.0	0	10	83.33%	2	0	64.4	100.0	164.4
52	50.1	55.0	1	11	91.67%	2	52.9	117.3	55.0	172.3
53	55.1	60.0	0	11	91.67%	1	0	117.3	60.0	177.3
54	60.1	65.0	1	12	100.00%	1	61.3	178.6	-	178.6
55	65.1	67.0	0	12	100.00%	-	0	178.6	-	178.6

Meter Size:		1 - Inch
Class:		Commercial
Basic Service Charge:	$	37.10
Tier One Breakover (M Gal):		40
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	67.1	70.0	0	12	100.00%	-	0	178.6	-	178.6
2	70.1	75.0	0	12	100.00%	-	0	178.6	-	178.6
3	75.1	80.0	0	12	100.00%	-	0	178.6	-	178.6
4	80.1	85.0	0	12	100.00%	-	0	178.6	-	178.6
5	85.1	90.0	0	12	100.00%	-	0	178.6	-	178.6
6	90.1	95.0	0	12	100.00%	-	0	178.6	-	178.6
7	95.1	100.0	0	12	100.00%	-	0	178.6	-	178.6
8	100.1	105.0	0	12	100.00%	-	0	178.6	-	178.6
9	105.1	110.0	0	12	100.00%	-	0	178.6	-	178.6
10	110.1	115.0	0	12	100.00%	-	0	178.6	-	178.6
11	115.1	120.0	0	12	100.00%	-	0	178.6	-	178.6
12	120.1	125.0	0	12	100.00%	-	0	178.6	-	178.6
13	125.1	130.0	0	12	100.00%	-	0	178.6	-	178.6
14	130.1	135.0	0	12	100.00%	-	0	178.6	-	178.6
15	135.1	140.0	0	12	100.00%	-	0	178.6	-	178.6
16	140.1	145.0	0	12	100.00%	-	0	178.6	-	178.6
17	145.1	150.0	0	12	100.00%	-	0	178.6	-	178.6
18	150.1	155.0	0	12	100.00%	-	0	178.6	-	178.6
19	155.1	160.0	0	12	100.00%	-	0	178.6	-	178.6
20	160.1	165.0	0	12	100.00%	-	0	178.6	-	178.6
21	165.1	170.0	0	12	100.00%	-	0	178.6	-	178.6
22	170.1	175.0	0	12	100.00%	-	0	178.6	-	178.6
23	175.1	180.0	0	12	100.00%	-	0	178.6	-	178.6
24	180.1	185.0	0	12	100.00%	-	0	178.6	-	178.6
25	185.1	190.0	0	12	100.00%	-	0	178.6	-	178.6
26	190.1	195.0	0	12	100.00%	-	0	178.6	-	178.6
27	195.1	200.0	0	12	100.00%	-	0	178.6	-	178.6
28	200.1	205.0	0	12	100.00%	-	0	178.6	-	178.6
29	205.1	210.0	0	12	100.00%	-	0	178.6	-	178.6
30	210.1	215.0	0	12	100.00%	-	0	178.6	-	178.6
31	215.1	220.0	0	12	100.00%	-	0	178.6	-	178.6
32	220.1	225.0	0	12	100.00%	-	0	178.6	-	178.6
33	225.1	230.0	0	12	100.00%	-	0	178.6	-	178.6
34	230.1	235.0	0	12	100.00%	-	0	178.6	-	178.6
35	235.1	240.0	0	12	100.00%	-	0	178.6	-	178.6
36	240.1	245.0	0	12	100.00%	-	0	178.6	-	178.6
37	245.1	250.0	0	12	100.00%	-	0	178.6	-	178.6
38	250.1	255.0	0	12	100.00%	-	0	178.6	-	178.6
39	255.1	260.0	0	12	100.00%	-	0	178.6	-	178.6
40	260.1	265.0	0	12	100.00%	-	0	178.6	-	178.6
41	265.1	270.0	0	12	100.00%	-	0	178.6	-	178.6
42	270.1	275.0	0	12	100.00%	-	0	178.6	-	178.6
43	275.1	280.0	0	12	100.00%	-	0	178.6	-	178.6
44	280.1	285.0	0	12	100.00%	-	0	178.6	-	178.6
45	285.1	290.0	0	12	100.00%	-	0	178.6	-	178.6
46	290.1	295.0	0	12	100.00%	-	0	178.6	-	178.6
47	295.1	300.0	0	12	100.00%	-	0	178.6	-	178.6
48	300.1	310.0	0	12	100.00%	-	0	178.6	-	178.6
49	310.1	320.0	0	12	100.00%	-	0	178.6	-	178.6
50	320.1	330.0	0	12	100.00%	-	0	178.6	-	178.6
51	330.1	340.0	0	12	100.00%	-	0	178.6	-	178.6
52	340.1	350.0	0	12	100.00%	-	0	178.6	-	178.6
53	350.1	360.0	0	12	100.00%	-	0	178.6	-	178.6
54	360.1	370.0	0	12	100.00%	-	0	178.6	-	178.6
55	370.1	380.0	0	12	100.00%	-	0	178.6	-	178.6

(Continued)

Meter Size:		1 - Inch
Class:		Commercial
Bill Count File:		0
Basic Service Charge:	$	37.10
Tier One Breakover (M Gal):		40
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Winkelman

Line No.	[A] Block (M Gal) From	[B] To	[C] Bills: Number of Bills by Block	[D] No. Up to & Including Block	[E] % of Total	[F] Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Cum. Use of Bills Stopping in Block	[I] Total Use to Block of all Bills Through Block	[J] Cumulative Billed Usage
1	380.1	390.0	0	12	100.00%	-	0	178.6	-	178.6
2	390.1	400.0	0	12	100.00%	-	0	178.6	-	178.6
3	400.1	410.0	0	12	100.00%	-	0	178.6	-	178.6
4	410.1	420.0	0	12	100.00%	-	0	178.6	-	178.6
5	420.1	430.0	0	12	100.00%	-	0	178.6	-	178.6
6	430.1	440.0	0	12	100.00%	-	0	178.6	-	178.6
7	440.1	450.0	0	12	100.00%	-	0	178.6	-	178.6
8	450.1	460.0	0	12	100.00%	-	0	178.6	-	178.6
9	460.1	470.0	0	12	100.00%	-	0	178.6	-	178.6
10	470.1	480.0	0	12	100.00%	-	0	178.6	-	178.6
11	480.1	490.0	0	12	100.00%	-	0	178.6	-	178.6
12	490.1	500.0	0	12	100.00%	-	0	178.6	-	178.6
13	500.1	550.0	0	12	100.00%	-	0	178.6	-	178.6
14	550.1	600.0	0	12	100.00%	-	0	178.6	-	178.6
15	600.1	650.0	0	12	100.00%	-	0	178.6	-	178.6
16	650.1	700.0	0	12	100.00%	-	0	178.6	-	178.6
17	700.1	750.0	0	12	100.00%	-	0	178.6	-	178.6
18	750.1	99,999.0	0	12	100.00%	-	0	178.6	-	178.6
19										
20	Total Bills/Use:		12	12	100.00%	12	178.6	178.6		178.6

(Continued)

Meter Size:		1 - Inch
Class:		Commercial
Bill Count File:		0
Basic Service Charge:	$	37.10
Tier One Breakover (M Gal):		40
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Total Test Year Usage & Revenues at Test Year Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				144.4	$ 261		
Rate Tier Two				34.2	77		
Rate Tier Three				-	-		
Totals	1.0	14,883	3,000	178.6	$ 338	$ 445	$ 783

Total Test Year Usage & Revenues at Test Year Rates- Including Customer Growth

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				136.9	$ 247		
Rate Tier Two				34.2	77		
Rate Tier Three				-	-		
Totals	1	14,883	3,000.0	171.1	$ 325	$ 426	$ 751

Total Normalized Usage & Revenues at Proposed Rates- Including Customer Growth

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				116.9	$ 285		
Rate Tier Two				50.6	154		
Rate Tier Three				-	-		
Totals	1.0	14,570	3,000	167.5	$ 439	$ 546	$ 985

ARIZONA WATER COMPANY
Test Year Ended December 31, 2010
Bill Count

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	-	-	0.00%	-	-	-	-	-
2	0.1	1.0	-	-	0.00%	-	-	-	-	-
3	1.1	2.0	-	-	0.00%	-	-	-	-	-
4	2.1	3.0	-	-	0.00%	-	-	-	-	-
5	3.1	4.0	-	-	0.00%	-	-	-	-	-
6	4.1	5.0	-	-	0.00%	-	-	-	-	-
7	5.1	6.0	-	-	0.00%	-	-	-	-	-
8	6.1	7.0	-	-	0.00%	-	-	-	-	-
9	7.1	8.0	-	-	0.00%	-	-	-	-	-
10	8.1	9.0	-	-	0.00%	-	-	-	-	-
11	9.1	10.0	-	-	0.00%	-	-	-	-	-
12	10.1	11.0	-	-	0.00%	-	-	-	-	-
13	11.1	12.0	-	-	0.00%	-	-	-	-	-
14	12.1	13.0	-	-	0.00%	-	-	-	-	-
15	13.1	14.0	-	-	0.00%	-	-	-	-	-
16	14.1	15.0	-	-	0.00%	-	-	-	-	-
17	15.1	16.0	-	-	0.00%	-	-	-	-	-
18	16.1	17.0	-	-	0.00%	-	-	-	-	-
19	17.1	18.0	-	-	0.00%	-	-	-	-	-
20	18.1	19.0	-	-	0.00%	-	-	-	-	-
21	19.1	20.0	-	-	0.00%	-	-	-	-	-
22	20.1	21.0	-	-	0.00%	-	-	-	-	-
23	21.1	22.0	-	-	0.00%	-	-	-	-	-
24	22.1	23.0	-	-	0.00%	-	-	-	-	-
25	23.1	24.0	-	-	0.00%	-	-	-	-	-
26	24.1	25.0	-	-	0.00%	-	-	-	-	-
27	25.1	26.0	-	-	0.00%	-	-	-	-	-
28	26.1	27.0	-	-	0.00%	-	-	-	-	-
29	27.1	28.0	-	-	0.00%	-	-	-	-	-
30	28.1	29.0	-	-	0.00%	-	-	-	-	-
31	29.1	30.0	-	-	0.00%	-	-	-	-	-
32	30.1	31.0	-	-	0.00%	-	-	-	-	-
33	31.1	32.0	-	-	0.00%	-	-	-	-	-
34	32.1	33.0	-	-	0.00%	-	-	-	-	-
35	33.1	34.0	-	-	0.00%	-	-	-	-	-
36	34.1	35.0	-	-	0.00%	-	-	-	-	-
37	35.1	36.0	-	-	0.00%	-	-	-	-	-
38	36.1	37.0	-	-	0.00%	-	-	-	-	-
39	37.1	38.0	-	-	0.00%	-	-	-	-	-
40	38.1	39.0	-	-	0.00%	-	-	-	-	-
41	39.1	40.0	-	-	0.00%	-	-	-	-	-
42	40.1	41.0	-	-	0.00%	-	-	-	-	-
43	41.1	42.0	-	-	0.00%	-	-	-	-	-
44	42.1	43.0	-	-	0.00%	-	-	-	-	-
45	43.1	44.0	-	-	0.00%	-	-	-	-	-
46	44.1	45.0	-	-	0.00%	-	-	-	-	-
47	45.1	46.0	-	-	0.00%	-	-	-	-	-
48	46.1	47.0	-	-	0.00%	-	-	-	-	-
49	47.1	48.0	-	-	0.00%	-	-	-	-	-
50	48.1	49.0	-	-	0.00%	-	-	-	-	-
51	49.1	50.0	-	-	0.00%	-	-	-	-	-
52	50.1	55.0	-	-	0.00%	-	-	-	-	-
53	55.1	60.0	-	-	0.00%	-	-	-	-	-
54	60.1	65.0	-	-	0.00%	-	-	-	-	-
55	65.1	67.0	-	-	0.00%	-	-	-	-	-

Meter Size:	1.5 - Inch
Class:	Commercial
Basic Service Charge:	n/a
Tier One Breakover (M Gal):	n/a
Tier Two Breakover (M Gal):	n/a
Tier Three Breakover (M Gal):	n/a
Tier One Rate:	n/a
Tier Two Rate:	n/a
Tier Three Rate:	n/a

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	67.1	70.0	-	-	0.00%	-	-	-	-	-
2	70.1	75.0	-	-	0.00%	-	-	-	-	-
3	75.1	80.0	-	-	0.00%	-	-	-	-	-
4	80.1	85.0	-	-	0.00%	-	-	-	-	-
5	85.1	90.0	-	-	0.00%	-	-	-	-	-
6	90.1	95.0	-	-	0.00%	-	-	-	-	-
7	95.1	100.0	-	-	0.00%	-	-	-	-	-
8	100.1	105.0	-	-	0.00%	-	-	-	-	-
9	105.1	110.0	-	-	0.00%	-	-	-	-	-
10	110.1	115.0	-	-	0.00%	-	-	-	-	-
11	115.1	120.0	-	-	0.00%	-	-	-	-	-
12	120.1	125.0	-	-	0.00%	-	-	-	-	-
13	125.1	130.0	-	-	0.00%	-	-	-	-	-
14	130.1	135.0	-	-	0.00%	-	-	-	-	-
15	135.1	140.0	-	-	0.00%	-	-	-	-	-
16	140.1	145.0	-	-	0.00%	-	-	-	-	-
17	145.1	150.0	-	-	0.00%	-	-	-	-	-
18	150.1	155.0	-	-	0.00%	-	-	-	-	-
19	155.1	160.0	-	-	0.00%	-	-	-	-	-
20	160.1	165.0	-	-	0.00%	-	-	-	-	-
21	165.1	170.0	-	-	0.00%	-	-	-	-	-
22	170.1	175.0	-	-	0.00%	-	-	-	-	-
23	175.1	180.0	-	-	0.00%	-	-	-	-	-
24	180.1	185.0	-	-	0.00%	-	-	-	-	-
25	185.1	190.0	-	-	0.00%	-	-	-	-	-
26	190.1	195.0	-	-	0.00%	-	-	-	-	-
27	195.1	200.0	-	-	0.00%	-	-	-	-	-
28	200.1	205.0	-	-	0.00%	-	-	-	-	-
29	205.1	210.0	-	-	0.00%	-	-	-	-	-
30	210.1	215.0	-	-	0.00%	-	-	-	-	-
31	215.1	220.0	-	-	0.00%	-	-	-	-	-
32	220.1	225.0	-	-	0.00%	-	-	-	-	-
33	225.1	230.0	-	-	0.00%	-	-	-	-	-
34	230.1	235.0	-	-	0.00%	-	-	-	-	-
35	235.1	240.0	-	-	0.00%	-	-	-	-	-
36	240.1	245.0	-	-	0.00%	-	-	-	-	-
37	245.1	250.0	-	-	0.00%	-	-	-	-	-
38	250.1	255.0	-	-	0.00%	-	-	-	-	-
39	255.1	260.0	-	-	0.00%	-	-	-	-	-
40	260.1	265.0	-	-	0.00%	-	-	-	-	-
41	265.1	270.0	-	-	0.00%	-	-	-	-	-
42	270.1	275.0	-	-	0.00%	-	-	-	-	-
43	275.1	280.0	-	-	0.00%	-	-	-	-	-
44	280.1	285.0	-	-	0.00%	-	-	-	-	-
45	285.1	290.0	-	-	0.00%	-	-	-	-	-
46	290.1	295.0	-	-	0.00%	-	-	-	-	-
47	295.1	300.0	-	-	0.00%	-	-	-	-	-
48	300.1	310.0	-	-	0.00%	-	-	-	-	-
49	310.1	320.0	-	-	0.00%	-	-	-	-	-
50	320.1	330.0	-	-	0.00%	-	-	-	-	-
51	330.1	340.0	-	-	0.00%	-	-	-	-	-
52	340.1	350.0	-	-	0.00%	-	-	-	-	-
53	350.1	360.0	-	-	0.00%	-	-	-	-	-
54	360.1	370.0	-	-	0.00%	-	-	-	-	-
55	370.1	380.0	-	-	0.00%	-	-	-	-	-

(Continued)

Meter Size:	1.5 - Inch
Class:	Commercial
Bill Count File:	0
Basic Service Charge:	n/a
Tier One Breakover (M Gal):	n/a
Tier Two Breakover (M Gal):	n/a
Tier Three Breakover (M Gal):	n/a
Tier One Rate:	n/a
Tier Two Rate:	n/a
Tier Three Rate:	n/a

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	380.1	390.0	-	-	0.00%	-	-	-	-	-
2	390.1	400.0	-	-	0.00%	-	-	-	-	-
3	400.1	410.0	-	-	0.00%	-	-	-	-	-
4	410.1	420.0	-	-	0.00%	-	-	-	-	-
5	420.1	430.0	-	-	0.00%	-	-	-	-	-
6	430.1	440.0	-	-	0.00%	-	-	-	-	-
7	440.1	450.0	-	-	0.00%	-	-	-	-	-
8	450.1	460.0	-	-	0.00%	-	-	-	-	-
9	460.1	470.0	-	-	0.00%	-	-	-	-	-
10	470.1	480.0	-	-	0.00%	-	-	-	-	-
11	480.1	490.0	-	-	0.00%	-	-	-	-	-
12	490.1	500.0	-	-	0.00%	-	-	-	-	-
13	500.1	550.0	-	-	0.00%	-	-	-	-	-
14	550.1	600.0	-	-	0.00%	-	-	-	-	-
15	600.1	650.0	-	-	0.00%	-	-	-	-	-
16	650.1	700.0	-	-	0.00%	-	-	-	-	-
17	700.1	750.0	-	-	0.00%	-	-	-	-	-
18	750.1	99,999.0	-	-	0.00%	-	-	-	-	-
19										
20	Total Bills/Use:		-	-	0.00%	-	-	-		-

(Continued)

Meter Size:	1.5 - Inch
Class:	Commercial
Bill Count File:	0
Basic Service Charge:	n/a
Tier One Breakover (M Gal):	n/a
Tier Two Breakover (M Gal):	n/a
Tier Three Breakover (M Gal):	n/a
Tier One Rate:	n/a
Tier Two Rate:	n/a
Tier Three Rate:	n/a

Total Test Year Usage & Revenues at Test Year Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Total Test Year Usage & Revenues at Test Year Rates- Including Customer Growth

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Total Normalized Usage & Revenues at Proposed Rates- Including Customer Growth

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	0	-	0.00%	24	0	-	-	-
2	0.1	5.0	0	-	0.00%	24	0	-	120.0	120.0
3	5.1	10.0	1	1	4.17%	24	7.9	7.9	230.0	237.9
4	10.1	15.0	4	5	20.83%	23	53.2	61.1	285.0	346.1
5	15.1	20.0	2	7	29.17%	19	35.3	96.4	340.0	436.4
6	20.1	25.0	5	12	50.00%	17	111.1	207.5	300.0	507.5
7	25.1	30.0	4	16	66.67%	12	110.6	318.1	240.0	558.1
8	30.1	35.0	0	16	66.67%	8	0	318.1	280.0	598.1
9	35.1	40.0	0	16	66.67%	8	0	318.1	320.0	638.1
10	40.1	45.0	0	16	66.67%	8	0	318.1	360.0	678.1
11	45.1	50.0	0	16	66.67%	8	0	318.1	400.0	718.1
12	50.1	55.0	3	19	79.17%	8	157.5	475.6	275.0	750.6
13	55.1	60.0	0	19	79.17%	5	0	475.6	300.0	775.6
14	60.1	65.0	2	21	87.50%	5	121.9	597.5	195.0	792.5
15	65.1	70.0	1	22	91.67%	3	69.1	666.6	140.0	806.6
16	70.1	74.0	0	22	91.67%	2	0	666.6	148.0	814.6
17	74.1	75.0	0	22	91.67%	2	0	666.6	150.0	816.6
18	75.1	80.0	0	22	91.67%	2	0	666.6	160.0	826.6
19	80.1	85.0	2	24	100.00%	2	169.3	835.9	-	835.9
20	85.1	90.0	0	24	100.00%	-	0	835.9	-	835.9
21	90.1	95.0	0	24	100.00%	-	0	835.9	-	835.9
22	95.1	100.0	0	24	100.00%	-	0	835.9	-	835.9
23	100.1	110.0	0	24	100.00%	-	0	835.9	-	835.9
24	110.1	125.0	0	24	100.00%	-	0	835.9	-	835.9
25	125.1	130.0	0	24	100.00%	-	0	835.9	-	835.9
26	130.1	139.0	0	24	100.00%	-	0	835.9	-	835.9
27	139.1	150.0	0	24	100.00%	-	0	835.9	-	835.9
28	150.1	160.0	0	24	100.00%	-	0	835.9	-	835.9
29	160.1	170.0	0	24	100.00%	-	0	835.9	-	835.9
30	170.1	183.0	0	24	100.00%	-	0	835.9	-	835.9
31	183.1	190.0	0	24	100.00%	-	0	835.9	-	835.9
32	190.1	200.0	0	24	100.00%	-	0	835.9	-	835.9
33	200.1	210.0	0	24	100.00%	-	0	835.9	-	835.9
34	210.1	220.0	0	24	100.00%	-	0	835.9	-	835.9
35	220.1	230.0	0	24	100.00%	-	0	835.9	-	835.9
36	230.1	240.0	0	24	100.00%	-	0	835.9	-	835.9
37	240.1	250.0	0	24	100.00%	-	0	835.9	-	835.9
38	250.1	258.0	0	24	100.00%	-	0	835.9	-	835.9
39	258.1	260.0	0	24	100.00%	-	0	835.9	-	835.9
40	260.1	270.0	0	24	100.00%	-	0	835.9	-	835.9
41	270.1	275.0	0	24	100.00%	-	0	835.9	-	835.9
42	275.1	280.0	0	24	100.00%	-	0	835.9	-	835.9
43	280.1	289.0	0	24	100.00%	-	0	835.9	-	835.9
44	289.1	290.0	0	24	100.00%	-	0	835.9	-	835.9
45	290.1	296.0	0	24	100.00%	-	0	835.9	-	835.9
46	296.1	298.0	0	24	100.00%	-	0	835.9	-	835.9
47	298.1	299.0	0	24	100.00%	-	0	835.9	-	835.9
48	299.1	303.0	0	24	100.00%	-	0	835.9	-	835.9
49	303.1	316.0	0	24	100.00%	-	0	835.9	-	835.9
50	316.1	325.0	0	24	100.00%	-	0	835.9	-	835.9
51	325.1	350.0	0	24	100.00%	-	0	835.9	-	835.9
52	350.1	375.0	0	24	100.00%	-	0	835.9	-	835.9
53	375.1	400.0	0	24	100.00%	-	0	835.9	-	835.9
54	400.1	401.0	0	24	100.00%	-	0	835.9	-	835.9
55	401.1	410.0	0	24	100.00%	-	0	835.9	-	835.9

Meter Size:		2 - Inch
Class:		Commercial
Basic Service Charge:	$	118.73
Tier One Breakover (M Gal):		125
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	410.1	420.0	0	24	100.00%	-	0	835.9	-	835.9
2	420.1	425.0	0	24	100.00%	-	0	835.9	-	835.9
3	425.1	450.0	0	24	100.00%	-	0	835.9	-	835.9
4	450.1	475.0	0	24	100.00%	-	0	835.9	-	835.9
5	475.1	500.0	0	24	100.00%	-	0	835.9	-	835.9
6	500.1	525.0	0	24	100.00%	-	0	835.9	-	835.9
7	525.1	550.0	0	24	100.00%	-	0	835.9	-	835.9
8	550.1	552.0	0	24	100.00%	-	0	835.9	-	835.9
9	552.1	568.0	0	24	100.00%	-	0	835.9	-	835.9
10	568.1	575.0	0	24	100.00%	-	0	835.9	-	835.9
11	575.1	600.0	0	24	100.00%	-	0	835.9	-	835.9
12	600.1	625.0	0	24	100.00%	-	0	835.9	-	835.9
13	625.1	650.0	0	24	100.00%	-	0	835.9	-	835.9
14	650.1	667.0	0	24	100.00%	-	0	835.9	-	835.9
15	667.1	675.0	0	24	100.00%	-	0	835.9	-	835.9
16	675.1	700.0	0	24	100.00%	-	0	835.9	-	835.9
17	700.1	750.0	0	24	100.00%	-	0	835.9	-	835.9
18	750.1	800.0	0	24	100.00%	-	0	835.9	-	835.9
19	800.1	850.0	0	24	100.00%	-	0	835.9	-	835.9
20	850.1	900.0	0	24	100.00%	-	0	835.9	-	835.9
21	900.1	950.0	0	24	100.00%	-	0	835.9	-	835.9
22	950.1	1,000.0	0	24	100.00%	-	0	835.9	-	835.9
23	1,000.1	1,050.0	0	24	100.00%	-	0	835.9	-	835.9
24	1,050.1	1,100.0	0	24	100.00%	-	0	835.9	-	835.9
25	1,100.1	1,150.0	0	24	100.00%	-	0	835.9	-	835.9
26	1,150.1	1,200.0	0	24	100.00%	-	0	835.9	-	835.9
27	1,200.1	1,250.0	0	24	100.00%	-	0	835.9	-	835.9
28	1,250.1	1,300.0	0	24	100.00%	-	0	835.9	-	835.9
29	1,300.1	1,350.0	0	24	100.00%	-	0	835.9	-	835.9
30	1,350.1	1,400.0	0	24	100.00%	-	0	835.9	-	835.9
31	1,400.1	1,450.0	0	24	100.00%	-	0	835.9	-	835.9
32	1,450.1	1,500.0	0	24	100.00%	-	0	835.9	-	835.9
33	1,500.1	1,550.0	0	24	100.00%	-	0	835.9	-	835.9
34	1,550.1	1,600.0	0	24	100.00%	-	0	835.9	-	835.9
35	1,600.1	1,650.0	0	24	100.00%	-	0	835.9	-	835.9
36	1,650.1	1,700.0	0	24	100.00%	-	0	835.9	-	835.9
37	1,700.1	1,750.0	0	24	100.00%	-	0	835.9	-	835.9
38	1,750.1	1,800.0	0	24	100.00%	-	0	835.9	-	835.9
39	1,800.1	1,850.0	0	24	100.00%	-	0	835.9	-	835.9
40	1,850.1	1,900.0	0	24	100.00%	-	0	835.9	-	835.9
41	1,900.1	1,950.0	0	24	100.00%	-	0	835.9	-	835.9
42	1,950.1	2,000.0	0	24	100.00%	-	0	835.9	-	835.9
43	2,000.1	2,100.0	0	24	100.00%	-	0	835.9	-	835.9
44	2,100.1	2,200.0	0	24	100.00%	-	0	835.9	-	835.9
45	2,200.1	2,300.0	0	24	100.00%	-	0	835.9	-	835.9
46	2,300.1	2,400.0	0	24	100.00%	-	0	835.9	-	835.9
47	2,400.1	2,500.0	0	24	100.00%	-	0	835.9	-	835.9
48	2,500.1	2,600.0	0	24	100.00%	-	0	835.9	-	835.9
49	2,600.1	2,700.0	0	24	100.00%	-	0	835.9	-	835.9
50	2,700.1	2,800.0	0	24	100.00%	-	0	835.9	-	835.9
51	2,800.1	2,900.0	0	24	100.00%	-	0	835.9	-	835.9
52	2,900.1	3,000.0	0	24	100.00%	-	0	835.9	-	835.9
53	3,000.1	3,100.0	0	24	100.00%	-	0	835.9	-	835.9
54	3,100.1	3,200.0	0	24	100.00%	-	0	835.9	-	835.9
55	3,200.1	3,300.0	0	24	100.00%	-	0	835.9	-	835.9

(Continued)

Meter Size:		2 - Inch
Class:		Commercial
Bill Count File:		0
Basic Service Charge:	$	118.73
Tier One Breakover (M Gal):		125
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	3,300.1	3,400.0	0	24	100.00%	-	0	835.9	-	835.9
2	3,400.1	3,500.0	0	24	100.00%	-	0	835.9	-	835.9
3	3,500.1	3,600.0	0	24	100.00%	-	0	835.9	-	835.9
4	3,600.1	3,700.0	0	24	100.00%	-	0	835.9	-	835.9
5	3,700.1	3,800.0	0	24	100.00%	-	0	835.9	-	835.9
6	3,800.1	3,900.0	0	24	100.00%	-	0	835.9	-	835.9
7	3,900.1	4,000.0	0	24	100.00%	-	0	835.9	-	835.9
8	4,000.1	4,100.0	0	24	100.00%	-	0	835.9	-	835.9
9	4,100.1	4,200.0	0	24	100.00%	-	0	835.9	-	835.9
10	4,200.1	4,300.0	0	24	100.00%	-	0	835.9	-	835.9
11	4,300.1	4,400.0	0	24	100.00%	-	0	835.9	-	835.9
12	4,400.1	4,500.0	0	24	100.00%	-	0	835.9	-	835.9
13	4,500.1	4,600.0	0	24	100.00%	-	0	835.9	-	835.9
14	4,600.1	4,700.0	0	24	100.00%	-	0	835.9	-	835.9
15	4,700.1	4,800.0	0	24	100.00%	-	0	835.9	-	835.9
16	4,800.1	4,900.0	0	24	100.00%	-	0	835.9	-	835.9
17	4,900.1	5,000.0	0	24	100.00%	-	0	835.9	-	835.9
18	5,000.1	99,999.0	0	24	100.00%	-	0	835.9	-	835.9
19										
20	Total Bills/Use:		24	24	100.00%	24	835.9	835.9		835.9

(Continued)

Meter Size:		2 - Inch
Class:		Commercial
Bill Count File:		0
Basic Service Charge:	$	118.73
Tier One Breakover (M Gal):		125
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Total Test Year Usage & Revenues at Test Year Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				835.9	$ 1,511		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	2.0	34,829	25,000	835.9	$ 1,511	$ 2,850	$ 4,360

Total Test Year Usage & Revenues at Test Year Rates- Including Customer Growth

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				800.8	$ 1,447		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	2	34,829	25,000.0	800.8	$ 1,447	$ 2,730	$ 4,177

Total Normalized Usage & Revenues at Proposed Rates- Including Customer Growth

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				783.9	$ 1,911		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	1.9	34,096	25,000	783.9	$ 1,911	$ 3,495	$ 5,406

ARIZONA WATER COMPANY
Test Year Ended December 31, 2010
Bill Count

Winkelman

Line No.	[A] Block (M Gal) From	[B] To	[C] Bills: Number of Bills by Block	[D] No. Up to & Including Block	[E] % of Total	[F] Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Cum. Use of Bills Stopping in Block	[I] Total Use to Block of all Bills Through Block	[J] Cumulative Billed Usage
1	-	-	0	-	0.00%	12	0	-	-	-
2	0.1	5.0	0	-	0.00%	12	0	-	60.0	60.0
3	5.1	10.0	0	-	0.00%	12	0	-	120.0	120.0
4	10.1	15.0	0	-	0.00%	12	0	-	180.0	180.0
5	15.1	20.0	0	-	0.00%	12	0	-	240.0	240.0
6	20.1	25.0	0	-	0.00%	12	0	-	300.0	300.0
7	25.1	30.0	0	-	0.00%	12	0	-	360.0	360.0
8	30.1	35.0	0	-	0.00%	12	0	-	420.0	420.0
9	35.1	40.0	0	-	0.00%	12	0	-	480.0	480.0
10	40.1	45.0	0	-	0.00%	12	0	-	540.0	540.0
11	45.1	50.0	0	-	0.00%	12	0	-	600.0	600.0
12	50.1	55.0	0	-	0.00%	12	0	-	660.0	660.0
13	55.1	60.0	0	-	0.00%	12	0	-	720.0	720.0
14	60.1	65.0	0	-	0.00%	12	0	-	780.0	780.0
15	65.1	70.0	1	1	8.33%	12	66.7	66.7	770.0	836.7
16	70.1	74.0	0	1	8.33%	11	0	66.7	814.0	880.7
17	74.1	75.0	0	1	8.33%	11	0	66.7	825.0	891.7
18	75.1	80.0	0	1	8.33%	11	0	66.7	880.0	946.7
19	80.1	85.0	0	1	8.33%	11	0	66.7	935.0	1,001.7
20	85.1	90.0	0	1	8.33%	11	0	66.7	990.0	1,056.7
21	90.1	100.0	1	2	16.67%	11	92.5	159.2	1,000.0	1,159.2
22	100.1	110.0	0	2	16.67%	10	0	159.2	1,100.0	1,259.2
23	110.1	125.0	1	3	25.00%	10	118.3	277.5	1,125.0	1,402.5
24	125.1	130.0	1	4	33.33%	9	128.2	405.7	1,040.0	1,445.7
25	130.1	139.0	0	4	33.33%	8	0	405.7	1,112.0	1,517.7
26	139.1	150.0	0	4	33.33%	8	0	405.7	1,200.0	1,605.7
27	150.1	160.0	0	4	33.33%	8	0	405.7	1,280.0	1,685.7
28	160.1	165.0	0	4	33.33%	8	0	405.7	1,320.0	1,725.7
29	165.1	170.0	0	4	33.33%	8	0	405.7	1,360.0	1,765.7
30	170.1	175.0	0	4	33.33%	8	0	405.7	1,400.0	1,805.7
31	175.1	190.0	0	4	33.33%	8	0	405.7	1,520.0	1,925.7
32	190.1	200.0	0	4	33.33%	8	0	405.7	1,600.0	2,005.7
33	200.1	210.0	0	4	33.33%	8	0	405.7	1,680.0	2,085.7
34	210.1	220.0	1	5	41.67%	8	215.8	621.5	1,540.0	2,161.5
35	220.1	230.0	0	5	41.67%	7	0	621.5	1,610.0	2,231.5
36	230.1	240.0	1	6	50.00%	7	232.2	853.7	1,440.0	2,293.7
37	240.1	250.0	0	6	50.00%	6	0	853.7	1,500.0	2,353.7
38	250.1	258.0	0	6	50.00%	6	0	853.7	1,548.0	2,401.7
39	258.1	260.0	0	6	50.00%	6	0	853.7	1,560.0	2,413.7
40	260.1	270.0	0	6	50.00%	6	0	853.7	1,620.0	2,473.7
41	270.1	275.0	0	6	50.00%	6	0	853.7	1,650.0	2,503.7
42	275.1	280.0	1	7	58.33%	6	276.3	1,130.0	1,400.0	2,530.0
43	280.1	289.0	0	7	58.33%	5	0	1,130.0	1,445.0	2,575.0
44	289.1	290.0	0	7	58.33%	5	0	1,130.0	1,450.0	2,580.0
45	290.1	296.0	0	7	58.33%	5	0	1,130.0	1,480.0	2,610.0
46	296.1	298.0	0	7	58.33%	5	0	1,130.0	1,490.0	2,620.0
47	298.1	299.0	0	7	58.33%	5	0	1,130.0	1,495.0	2,625.0
48	299.1	303.0	0	7	58.33%	5	0	1,130.0	1,515.0	2,645.0
49	303.1	316.0	0	7	58.33%	5	0	1,130.0	1,580.0	2,710.0
50	316.1	325.0	0	7	58.33%	5	0	1,130.0	1,625.0	2,755.0
51	325.1	350.0	2	9	75.00%	5	692.8	1,822.8	1,050.0	2,872.8
52	350.1	375.0	0	9	75.00%	3	0	1,822.8	1,125.0	2,947.8
53	375.1	400.0	1	10	83.33%	3	381.4	2,204.2	800.0	3,004.2
54	400.1	401.0	0	10	83.33%	2	0	2,204.2	802.0	3,006.2
55	401.1	410.0	0	10	83.33%	2	0	2,204.2	820.0	3,024.2

Meter Size:		3 - Inch
Class:		Commercial
Basic Service Charge:	$	237.46
Tier One Breakover (M Gal):		325
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Winkelman

Line No.	[A] Block (M Gal) From	[B] To	[C] Bills: Number of Bills by Block	[D] No. Up to & Including Block	[E] % of Total	[F] Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Cum. Use of Bills Stopping in Block	[I] Total Use to Block of all Bills Through Block	[J] Cumulative Billed Usage
1	410.1	420.0	0	10	83.33%	2	0	2,204.2	840.0	3,044.2
2	420.1	425.0	0	10	83.33%	2	0	2,204.2	850.0	3,054.2
3	425.1	450.0	0	10	83.33%	2	0	2,204.2	900.0	3,104.2
4	450.1	475.0	0	10	83.33%	2	0	2,204.2	950.0	3,154.2
5	475.1	500.0	0	10	83.33%	2	0	2,204.2	1,000.0	3,204.2
6	500.1	525.0	1	11	91.67%	2	505.4	2,709.6	525.0	3,234.6
7	525.1	550.0	0	11	91.67%	1	0	2,709.6	550.0	3,259.6
8	550.1	552.0	0	11	91.67%	1	0	2,709.6	552.0	3,261.6
9	552.1	568.0	0	11	91.67%	1	0	2,709.6	568.0	3,277.6
10	568.1	575.0	0	11	91.67%	1	0	2,709.6	575.0	3,284.6
11	575.1	600.0	0	11	91.67%	1	0	2,709.6	600.0	3,309.6
12	600.1	625.0	0	11	91.67%	1	0	2,709.6	625.0	3,334.6
13	625.1	650.0	0	11	91.67%	1	0	2,709.6	650.0	3,359.6
14	650.1	667.0	1	12	100.00%	1	655.7	3,365.3	-	3,365.3
15	667.1	675.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
16	675.1	700.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
17	700.1	750.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
18	750.1	800.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
19	800.1	850.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
20	850.1	900.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
21	900.1	950.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
22	950.1	1,000.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
23	1,000.1	1,050.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
24	1,050.1	1,100.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
25	1,100.1	1,150.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
26	1,150.1	1,200.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
27	1,200.1	1,250.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
28	1,250.1	1,300.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
29	1,300.1	1,350.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
30	1,350.1	1,400.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
31	1,400.1	1,450.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
32	1,450.1	1,500.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
33	1,500.1	1,550.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
34	1,550.1	1,600.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
35	1,600.1	1,650.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
36	1,650.1	1,700.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
37	1,700.1	1,750.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
38	1,750.1	1,800.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
39	1,800.1	1,850.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
40	1,850.1	1,900.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
41	1,900.1	1,950.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
42	1,950.1	2,000.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
43	2,000.1	2,100.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
44	2,100.1	2,200.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
45	2,200.1	2,300.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
46	2,300.1	2,400.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
47	2,400.1	2,500.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
48	2,500.1	2,600.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
49	2,600.1	2,700.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
50	2,700.1	2,800.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
51	2,800.1	2,900.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
52	2,900.1	3,000.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
53	3,000.1	3,100.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
54	3,100.1	3,200.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
55	3,200.1	3,300.0	0	12	100.00%	-	0	3,365.3	-	3,365.3

(Continued)

Meter Size:		3 - Inch
Class:		Commercial
Bill Count File:		0
Basic Service Charge:	$	237.46
Tier One Breakover (M Gal):		325
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	3,300.1	3,400.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
2	3,400.1	3,500.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
3	3,500.1	3,600.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
4	3,600.1	3,700.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
5	3,700.1	3,800.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
6	3,800.1	3,900.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
7	3,900.1	4,000.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
8	4,000.1	4,100.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
9	4,100.1	4,200.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
10	4,200.1	4,300.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
11	4,300.1	4,400.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
12	4,400.1	4,500.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
13	4,500.1	4,600.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
14	4,600.1	4,700.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
15	4,700.1	4,800.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
16	4,800.1	4,900.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
17	4,900.1	5,000.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
18	5,000.1	99,999.0	0	12	100.00%	-	0	3,365.3	-	3,365.3
19										
20	Total Bills/Use:		12	12	100.00%	12	3,365.3	3,365.3		3,365.3

(Continued)

Meter Size:		3 - Inch
Class:		Commercial
Bill Count File:		0
Basic Service Charge:	$	237.46
Tier One Breakover (M Gal):		325
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Total Test Year Usage & Revenues at Test Year Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				2,755.0	$ 4,979		
Rate Tier Two				610.3	1,379		
Rate Tier Three				-	-		
Totals	1.0	280,442	240,000	3,365.3	$ 6,358	$ 2,850	$ 9,208

Total Test Year Usage & Revenues at Test Year Rates- Including Customer Growth

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				2,613.6	$ 4,724		
Rate Tier Two				610.3	1,379		
Rate Tier Three				-	-		
Totals	1	280,442	240,000.0	3,223.9	$ 6,103	$ 2,730	$ 8,833

Total Normalized Usage & Revenues at Proposed Rates- Including Customer Growth

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				2,050.6	$ 5,000		
Rate Tier Two				1,105.4	3,369		
Rate Tier Three				-	-		
Totals	1.0	274,536	240,000	3,156.0	$ 8,369	$ 3,495	$ 11,863

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	0	-	0.00%	24	0	-	-	-
2	0.1	5.0	0	-	0.00%	24	0	-	120.0	120.0
3	5.1	10.0	0	-	0.00%	24	0	-	240.0	240.0
4	10.1	15.0	0	-	0.00%	24	0	-	360.0	360.0
5	15.1	20.0	0	-	0.00%	24	0	-	480.0	480.0
6	20.1	25.0	0	-	0.00%	24	0	-	600.0	600.0
7	25.1	30.0	0	-	0.00%	24	0	-	720.0	720.0
8	30.1	35.0	0	-	0.00%	24	0	-	840.0	840.0
9	35.1	40.0	0	-	0.00%	24	0	-	960.0	960.0
10	40.1	45.0	0	-	0.00%	24	0	-	1,080.0	1,080.0
11	45.1	50.0	0	-	0.00%	24	0	-	1,200.0	1,200.0
12	50.1	55.0	0	-	0.00%	24	0	-	1,320.0	1,320.0
13	55.1	60.0	0	-	0.00%	24	0	-	1,440.0	1,440.0
14	60.1	65.0	0	-	0.00%	24	0	-	1,560.0	1,560.0
15	65.1	70.0	0	-	0.00%	24	0	-	1,680.0	1,680.0
16	70.1	75.0	0	-	0.00%	24	0	-	1,800.0	1,800.0
17	75.1	80.0	0	-	0.00%	24	0	-	1,920.0	1,920.0
18	80.1	85.0	0	-	0.00%	24	0	-	2,040.0	2,040.0
19	85.1	90.0	0	-	0.00%	24	0	-	2,160.0	2,160.0
20	90.1	100.0	1	1	4.17%	24	96	96.0	2,300.0	2,396.0
21	100.1	110.0	1	2	8.33%	23	108	204.0	2,420.0	2,624.0
22	110.1	125.0	0	2	8.33%	22	0	204.0	2,750.0	2,954.0
23	125.1	130.0	1	3	12.50%	22	127	331.0	2,730.0	3,061.0
24	130.1	140.0	0	3	12.50%	21	0	331.0	2,940.0	3,271.0
25	140.1	150.0	0	3	12.50%	21	0	331.0	3,150.0	3,481.0
26	150.1	160.0	0	3	12.50%	21	0	331.0	3,360.0	3,691.0
27	160.1	165.0	0	3	12.50%	21	0	331.0	3,465.0	3,796.0
28	165.1	170.0	0	3	12.50%	21	0	331.0	3,570.0	3,901.0
29	170.1	175.0	0	3	12.50%	21	0	331.0	3,675.0	4,006.0
30	175.1	190.0	0	3	12.50%	21	0	331.0	3,990.0	4,321.0
31	190.1	200.0	1	4	16.67%	21	191	522.0	4,000.0	4,522.0
32	200.1	210.0	0	4	16.67%	20	0	522.0	4,200.0	4,722.0
33	210.1	220.0	0	4	16.67%	20	0	522.0	4,400.0	4,922.0
34	220.1	230.0	1	5	20.83%	20	224	746.0	4,370.0	5,116.0
35	230.1	240.0	0	5	20.83%	19	0	746.0	4,560.0	5,306.0
36	240.1	250.0	3	8	33.33%	19	735.6	1,481.6	4,000.0	5,481.6
37	250.1	260.0	0	8	33.33%	16	0	1,481.6	4,160.0	5,641.6
38	260.1	270.0	0	8	33.33%	16	0	1,481.6	4,320.0	5,801.6
39	270.1	275.0	1	9	37.50%	16	270.6	1,752.2	4,125.0	5,877.2
40	275.1	280.0	0	9	37.50%	15	0	1,752.2	4,200.0	5,952.2
41	280.1	290.0	1	10	41.67%	15	288.1	2,040.3	4,060.0	6,100.3
42	290.1	303.0	0	10	41.67%	14	0	2,040.3	4,242.0	6,282.3
43	303.1	325.0	1	11	45.83%	14	320.4	2,360.7	4,225.0	6,585.7
44	325.1	340.0	0	11	45.83%	13	0	2,360.7	4,420.0	6,780.7
45	340.1	350.0	1	12	50.00%	13	348.1	2,708.8	4,200.0	6,908.8
46	350.1	375.0	3	15	62.50%	12	1085.8	3,794.6	3,375.0	7,169.6
47	375.1	400.0	0	15	62.50%	9	0	3,794.6	3,600.0	7,394.6
48	400.1	410.0	0	15	62.50%	9	0	3,794.6	3,690.0	7,484.6
49	410.1	420.0	0	15	62.50%	9	0	3,794.6	3,780.0	7,574.6
50	420.1	425.0	1	16	66.67%	9	420.2	4,214.8	3,400.0	7,614.8
51	425.1	450.0	1	17	70.83%	8	434.4	4,649.2	3,150.0	7,799.2
52	450.1	474.0	1	18	75.00%	7	468.5	5,117.7	2,844.0	7,961.7
53	474.1	475.0	0	18	75.00%	6	0	5,117.7	2,850.0	7,967.7
54	475.1	487.0	0	18	75.00%	6	0	5,117.7	2,922.0	8,039.7
55	487.1	493.0	0	18	75.00%	6	0	5,117.7	2,958.0	8,075.7

Meter Size:		4 - Inch
Class:		Commercial
Basic Service Charge:	$	371.03
Tier One Breakover (M Gal):		500
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	493.1	494.0	0	18	75.00%	6	0	5,117.7	2,964.0	8,081.7
2	494.1	500.0	0	18	75.00%	6	0	5,117.7	3,000.0	8,117.7
3	500.1	525.0	2	20	83.33%	6	1021.9	6,139.6	2,100.0	8,239.6
4	525.1	550.0	0	20	83.33%	4	0	6,139.6	2,200.0	8,339.6
5	550.1	575.0	0	20	83.33%	4	0	6,139.6	2,300.0	8,439.6
6	575.1	600.0	0	20	83.33%	4	0	6,139.6	2,400.0	8,539.6
7	600.1	625.0	0	20	83.33%	4	0	6,139.6	2,500.0	8,639.6
8	625.1	650.0	1	21	87.50%	4	639	6,778.6	1,950.0	8,728.6
9	650.1	667.0	0	21	87.50%	3	0	6,778.6	2,001.0	8,779.6
10	667.1	675.0	0	21	87.50%	3	0	6,778.6	2,025.0	8,803.6
11	675.1	700.0	0	21	87.50%	3	0	6,778.6	2,100.0	8,878.6
12	700.1	750.0	2	23	95.83%	3	1408.4	8,187.0	750.0	8,937.0
13	750.1	800.0	0	23	95.83%	1	0	8,187.0	800.0	8,987.0
14	800.1	850.0	0	23	95.83%	1	0	8,187.0	850.0	9,037.0
15	850.1	900.0	1	24	100.00%	1	870	9,057.0	-	9,057.0
16	900.1	917.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
17	917.1	950.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
18	950.1	1,000.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
19	1,000.1	1,050.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
20	1,050.1	1,062.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
21	1,062.1	1,100.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
22	1,100.1	1,145.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
23	1,145.1	1,150.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
24	1,150.1	1,195.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
25	1,195.1	1,200.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
26	1,200.1	1,250.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
27	1,250.1	1,300.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
28	1,300.1	1,350.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
29	1,350.1	1,400.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
30	1,400.1	1,450.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
31	1,450.1	1,500.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
32	1,500.1	1,550.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
33	1,550.1	1,600.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
34	1,600.1	1,650.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
35	1,650.1	1,700.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
36	1,700.1	1,750.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
37	1,750.1	1,800.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
38	1,800.1	1,850.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
39	1,850.1	1,900.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
40	1,900.1	1,950.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
41	1,950.1	2,000.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
42	2,000.1	2,100.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
43	2,100.1	2,200.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
44	2,200.1	2,300.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
45	2,300.1	2,400.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
46	2,400.1	2,500.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
47	2,500.1	2,600.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
48	2,600.1	2,700.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
49	2,700.1	2,800.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
50	2,800.1	2,900.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
51	2,900.1	3,000.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
52	3,000.1	3,100.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
53	3,100.1	3,200.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
54	3,200.1	3,300.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
55	3,300.1	3,400.0	0	24	100.00%	-	0	9,057.0	-	9,057.0

(Continued)

Meter Size:		4 - Inch
Class:		Commercial
Bill Count File:		0
Basic Service Charge:	$	371.03
Tier One Breakover (M Gal):		500
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	3,400.1	3,500.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
2	3,500.1	3,517.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
3	3,517.1	3,600.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
4	3,600.1	3,700.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
5	3,700.1	3,800.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
6	3,800.1	3,900.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
7	3,900.1	4,000.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
8	4,000.1	4,100.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
9	4,100.1	4,200.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
10	4,200.1	4,300.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
11	4,300.1	4,400.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
12	4,400.1	4,500.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
13	4,500.1	4,600.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
14	4,600.1	4,700.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
15	4,700.1	4,800.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
16	4,800.1	4,900.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
17	4,900.1	5,000.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
18	5,000.1	99,999.0	0	24	100.00%	-	0	9,057.0	-	9,057.0
19										
20	Total Bills/Use:		24	24	100.00%	24	9,057.0	9,057.0		9,057.0

(Continued)

Meter Size:		4 - Inch
Class:		Commercial
Bill Count File:		0
Basic Service Charge:	$	371.03
Tier One Breakover (M Gal):		500
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Total Test Year Usage & Revenues at Test Year Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				8,117.7	$ 14,672		
Rate Tier Two				939.3	2,122		
Rate Tier Three				-	-		
Totals	2.0	377,375	350,000	9,057.0	$ 16,794	$ 8,905	$ 25,699

Total Test Year Usage & Revenues at Test Year Rates- Including Customer Growth

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				7,737.2	$ 13,984		
Rate Tier Two				939.3	2,122		
Rate Tier Three				-	-		
Totals	2	377,375	350,000.0	8,676.5	$ 16,106	$ 8,531	$ 24,637

Total Normalized Usage & Revenues at Proposed Rates- Including Customer Growth

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				6,555.9	$ 15,984		
Rate Tier Two				1,937.9	5,906		
Rate Tier Three				-	-		
Totals	1.9	369,427	350,000	8,493.7	$ 21,890	$ 10,921	$ 32,811

ARIZONA WATER COMPANY
Test Year Ended December 31, 2010
Bill Count

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	0	-	0.00%	-	0	-	-	-
2	0.1	5.0	0	-	0.00%	-	0	-	-	-
3	5.1	10.0	0	-	0.00%	-	0	-	-	-
4	10.1	15.0	0	-	0.00%	-	0	-	-	-
5	15.1	20.0	0	-	0.00%	-	0	-	-	-
6	20.1	25.0	0	-	0.00%	-	0	-	-	-
7	25.1	30.0	0	-	0.00%	-	0	-	-	-
8	30.1	35.0	0	-	0.00%	-	0	-	-	-
9	35.1	40.0	0	-	0.00%	-	0	-	-	-
10	40.1	45.0	0	-	0.00%	-	0	-	-	-
11	45.1	50.0	0	-	0.00%	-	0	-	-	-
12	50.1	55.0	0	-	0.00%	-	0	-	-	-
13	55.1	60.0	0	-	0.00%	-	0	-	-	-
14	60.1	65.0	0	-	0.00%	-	0	-	-	-
15	65.1	70.0	0	-	0.00%	-	0	-	-	-
16	70.1	75.0	0	-	0.00%	-	0	-	-	-
17	75.1	80.0	0	-	0.00%	-	0	-	-	-
18	80.1	85.0	0	-	0.00%	-	0	-	-	-
19	85.1	90.0	0	-	0.00%	-	0	-	-	-
20	90.1	100.0	0	-	0.00%	-	0	-	-	-
21	100.1	110.0	0	-	0.00%	-	0	-	-	-
22	110.1	125.0	0	-	0.00%	-	0	-	-	-
23	125.1	130.0	0	-	0.00%	-	0	-	-	-
24	130.1	140.0	0	-	0.00%	-	0	-	-	-
25	140.1	150.0	0	-	0.00%	-	0	-	-	-
26	150.1	160.0	0	-	0.00%	-	0	-	-	-
27	160.1	165.0	0	-	0.00%	-	0	-	-	-
28	165.1	170.0	0	-	0.00%	-	0	-	-	-
29	170.1	175.0	0	-	0.00%	-	0	-	-	-
30	175.1	190.0	0	-	0.00%	-	0	-	-	-
31	190.1	200.0	0	-	0.00%	-	0	-	-	-
32	200.1	210.0	0	-	0.00%	-	0	-	-	-
33	210.1	220.0	0	-	0.00%	-	0	-	-	-
34	220.1	230.0	0	-	0.00%	-	0	-	-	-
35	230.1	240.0	0	-	0.00%	-	0	-	-	-
36	240.1	250.0	0	-	0.00%	-	0	-	-	-
37	250.1	260.0	0	-	0.00%	-	0	-	-	-
38	260.1	270.0	0	-	0.00%	-	0	-	-	-
39	270.1	275.0	0	-	0.00%	-	0	-	-	-
40	275.1	280.0	0	-	0.00%	-	0	-	-	-
41	280.1	290.0	0	-	0.00%	-	0	-	-	-
42	290.1	303.0	0	-	0.00%	-	0	-	-	-
43	303.1	325.0	0	-	0.00%	-	0	-	-	-
44	325.1	350.0	0	-	0.00%	-	0	-	-	-
45	350.1	375.0	0	-	0.00%	-	0	-	-	-
46	375.1	400.0	0	-	0.00%	-	0	-	-	-
47	400.1	410.0	0	-	0.00%	-	0	-	-	-
48	410.1	425.0	0	-	0.00%	-	0	-	-	-
49	425.1	450.0	0	-	0.00%	-	0	-	-	-
50	450.1	475.0	0	-	0.00%	-	0	-	-	-
51	475.1	500.0	0	-	0.00%	-	0	-	-	-
52	500.1	525.0	0	-	0.00%	-	0	-	-	-
53	525.1	550.0	0	-	0.00%	-	0	-	-	-
54	550.1	575.0	0	-	0.00%	-	0	-	-	-
55	575.1	600.0	0	-	0.00%	-	0	-	-	-

Meter Size:		6 - Inch
Class:		Commercial
Basic Service Charge:	$	742.06
Tier One Breakover (M Gal):		925
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	600.1	625.0	0	-	0.00%	-	0	-	-	-
2	625.1	650.0	0	-	0.00%	-	0	-	-	-
3	650.1	675.0	0	-	0.00%	-	0	-	-	-
4	675.1	700.0	0	-	0.00%	-	0	-	-	-
5	700.1	725.0	0	-	0.00%	-	0	-	-	-
6	725.1	750.0	0	-	0.00%	-	0	-	-	-
7	750.1	775.0	0	-	0.00%	-	0	-	-	-
8	775.1	800.0	0	-	0.00%	-	0	-	-	-
9	800.1	850.0	0	-	0.00%	-	0	-	-	-
10	850.1	900.0	0	-	0.00%	-	0	-	-	-
11	900.1	925.0	0	-	0.00%	-	0	-	-	-
12	925.1	950.0	0	-	0.00%	-	0	-	-	-
13	950.1	1,000.0	0	-	0.00%	-	0	-	-	-
14	1,000.1	1,002.0	0	-	0.00%	-	0	-	-	-
15	1,002.1	1,050.0	0	-	0.00%	-	0	-	-	-
16	1,050.1	1,062.0	0	-	0.00%	-	0	-	-	-
17	1,062.1	1,100.0	0	-	0.00%	-	0	-	-	-
18	1,100.1	1,145.0	0	-	0.00%	-	0	-	-	-
19	1,145.1	1,150.0	0	-	0.00%	-	0	-	-	-
20	1,150.1	1,195.0	0	-	0.00%	-	0	-	-	-
21	1,195.1	1,200.0	0	-	0.00%	-	0	-	-	-
22	1,200.1	1,250.0	0	-	0.00%	-	0	-	-	-
23	1,250.1	1,300.0	0	-	0.00%	-	0	-	-	-
24	1,300.1	1,350.0	0	-	0.00%	-	0	-	-	-
25	1,350.1	1,400.0	0	-	0.00%	-	0	-	-	-
26	1,400.1	1,450.0	0	-	0.00%	-	0	-	-	-
27	1,450.1	1,500.0	0	-	0.00%	-	0	-	-	-
28	1,500.1	1,550.0	0	-	0.00%	-	0	-	-	-
29	1,550.1	1,600.0	0	-	0.00%	-	0	-	-	-
30	1,600.1	1,650.0	0	-	0.00%	-	0	-	-	-
31	1,650.1	1,700.0	0	-	0.00%	-	0	-	-	-
32	1,700.1	1,750.0	0	-	0.00%	-	0	-	-	-
33	1,750.1	1,800.0	0	-	0.00%	-	0	-	-	-
34	1,800.1	1,850.0	0	-	0.00%	-	0	-	-	-
35	1,850.1	1,889.0	0	-	0.00%	-	0	-	-	-
36	1,889.1	1,900.0	0	-	0.00%	-	0	-	-	-
37	1,900.1	1,950.0	0	-	0.00%	-	0	-	-	-
38	1,950.1	2,000.0	0	-	0.00%	-	0	-	-	-
39	2,000.1	2,100.0	0	-	0.00%	-	0	-	-	-
40	2,100.1	2,160.0	0	-	0.00%	-	0	-	-	-
41	2,160.1	2,162.0	0	-	0.00%	-	0	-	-	-
42	2,162.1	2,200.0	0	-	0.00%	-	0	-	-	-
43	2,200.1	2,300.0	0	-	0.00%	-	0	-	-	-
44	2,300.1	2,359.0	0	-	0.00%	-	0	-	-	-
45	2,359.1	2,400.0	0	-	0.00%	-	0	-	-	-
46	2,400.1	2,500.0	0	-	0.00%	-	0	-	-	-
47	2,500.1	2,600.0	0	-	0.00%	-	0	-	-	-
48	2,600.1	2,700.0	0	-	0.00%	-	0	-	-	-
49	2,700.1	2,800.0	0	-	0.00%	-	0	-	-	-
50	2,800.1	2,900.0	0	-	0.00%	-	0	-	-	-
51	2,900.1	3,000.0	0	-	0.00%	-	0	-	-	-
52	3,000.1	3,100.0	0	-	0.00%	-	0	-	-	-
53	3,100.1	3,200.0	0	-	0.00%	-	0	-	-	-
54	3,200.1	3,300.0	0	-	0.00%	-	0	-	-	-
55	3,300.1	3,400.0	0	-	0.00%	-	0	-	-	-

(Continued)

Meter Size:		6 - Inch
Class:		Commercial
Bill Count File:		0
Basic Service Charge:	$	742.06
Tier One Breakover (M Gal):		925
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
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Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	3,400.1	3,500.0	0	-	0.00%	-	0	-	-	-
2	3,500.1	3,517.0	0	-	0.00%	-	0	-	-	-
3	3,517.1	3,600.0	0	-	0.00%	-	0	-	-	-
4	3,600.1	3,700.0	0	-	0.00%	-	0	-	-	-
5	3,700.1	3,800.0	0	-	0.00%	-	0	-	-	-
6	3,800.1	3,900.0	0	-	0.00%	-	0	-	-	-
7	3,900.1	4,000.0	0	-	0.00%	-	0	-	-	-
8	4,000.1	4,100.0	0	-	0.00%	-	0	-	-	-
9	4,100.1	4,200.0	0	-	0.00%	-	0	-	-	-
10	4,200.1	4,300.0	0	-	0.00%	-	0	-	-	-
11	4,300.1	4,400.0	0	-	0.00%	-	0	-	-	-
12	4,400.1	4,500.0	0	-	0.00%	-	0	-	-	-
13	4,500.1	5,000.0	0	-	0.00%	-	0	-	-	-
14	5,000.1	5,500.0	0	-	0.00%	-	0	-	-	-
15	5,500.1	6,000.0	0	-	0.00%	-	0	-	-	-
16	6,000.1	6,500.0	0	-	0.00%	-	0	-	-	-
17	6,500.1	7,000.0	0	-	0.00%	-	0	-	-	-
18	7,000.1	99,999.0	0	-	0.00%	-	0	-	-	-
19										
20	Total Bills/Use:		-	-	0.00%	-	-	-		-
21										
22										

Total Test Year Usage & Revenues at Test Year Rates

Line No.		Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
23								
24								
25								
26								
27	Rate Tier One				-	$ -		
28	Rate Tier Two				-	-		
29	Rate Tier Three				-	-		
30	Totals	-	-	-	-	$ -	$ -	$ -
31								
32								

Total Test Year Usage & Revenues at Test Year Rates- Including Customer Growth

Line No.		Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
33								
34								
35								
36								
37	Rate Tier One				-	$ -		
38	Rate Tier Two				-	-		
39	Rate Tier Three				-	-		
40	Totals	-	-	-	-	$ -	$ -	$ -
41								
42								

Total Normalized Usage & Revenues at Proposed Rates- Including Customer Growth

Line No.		Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
43								
44								
45								
46								
47	Rate Tier One				-	$ -		
48	Rate Tier Two				-	-		
49	Rate Tier Three				-	-		
50	Totals	-	-	-	-	$ -	$ -	$ -
51								
52								
53								
54								
55								

(Continued)

Meter Size:		6 - Inch
Class:		Commercial
Bill Count File:		0
Basic Service Charge:	$	742.06
Tier One Breakover (M Gal):		925
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	0	-	0.00%	-	0	-	-	-
2	0.1	5.0	0	-	0.00%	-	0	-	-	-
3	5.1	10.0	0	-	0.00%	-	0	-	-	-
4	10.1	15.0	0	-	0.00%	-	0	-	-	-
5	15.1	20.0	0	-	0.00%	-	0	-	-	-
6	20.1	25.0	0	-	0.00%	-	0	-	-	-
7	25.1	30.0	0	-	0.00%	-	0	-	-	-
8	30.1	35.0	0	-	0.00%	-	0	-	-	-
9	35.1	40.0	0	-	0.00%	-	0	-	-	-
10	40.1	45.0	0	-	0.00%	-	0	-	-	-
11	45.1	50.0	0	-	0.00%	-	0	-	-	-
12	50.1	55.0	0	-	0.00%	-	0	-	-	-
13	55.1	60.0	0	-	0.00%	-	0	-	-	-
14	60.1	65.0	0	-	0.00%	-	0	-	-	-
15	65.1	70.0	0	-	0.00%	-	0	-	-	-
16	70.1	75.0	0	-	0.00%	-	0	-	-	-
17	75.1	80.0	0	-	0.00%	-	0	-	-	-
18	80.1	85.0	0	-	0.00%	-	0	-	-	-
19	85.1	90.0	0	-	0.00%	-	0	-	-	-
20	90.1	100.0	0	-	0.00%	-	0	-	-	-
21	100.1	110.0	0	-	0.00%	-	0	-	-	-
22	110.1	125.0	0	-	0.00%	-	0	-	-	-
23	125.1	130.0	0	-	0.00%	-	0	-	-	-
24	130.1	140.0	0	-	0.00%	-	0	-	-	-
25	140.1	150.0	0	-	0.00%	-	0	-	-	-
26	150.1	160.0	0	-	0.00%	-	0	-	-	-
27	160.1	165.0	0	-	0.00%	-	0	-	-	-
28	165.1	170.0	0	-	0.00%	-	0	-	-	-
29	170.1	175.0	0	-	0.00%	-	0	-	-	-
30	175.1	190.0	0	-	0.00%	-	0	-	-	-
31	190.1	200.0	0	-	0.00%	-	0	-	-	-
32	200.1	210.0	0	-	0.00%	-	0	-	-	-
33	210.1	220.0	0	-	0.00%	-	0	-	-	-
34	220.1	230.0	0	-	0.00%	-	0	-	-	-
35	230.1	240.0	0	-	0.00%	-	0	-	-	-
36	240.1	250.0	0	-	0.00%	-	0	-	-	-
37	250.1	260.0	0	-	0.00%	-	0	-	-	-
38	260.1	270.0	0	-	0.00%	-	0	-	-	-
39	270.1	275.0	0	-	0.00%	-	0	-	-	-
40	275.1	280.0	0	-	0.00%	-	0	-	-	-
41	280.1	290.0	0	-	0.00%	-	0	-	-	-
42	290.1	303.0	0	-	0.00%	-	0	-	-	-
43	303.1	325.0	0	-	0.00%	-	0	-	-	-
44	325.1	350.0	0	-	0.00%	-	0	-	-	-
45	350.1	375.0	0	-	0.00%	-	0	-	-	-
46	375.1	400.0	0	-	0.00%	-	0	-	-	-
47	400.1	410.0	0	-	0.00%	-	0	-	-	-
48	410.1	425.0	0	-	0.00%	-	0	-	-	-
49	425.1	450.0	0	-	0.00%	-	0	-	-	-
50	450.1	475.0	0	-	0.00%	-	0	-	-	-
51	475.1	500.0	0	-	0.00%	-	0	-	-	-
52	500.1	525.0	0	-	0.00%	-	0	-	-	-
53	525.1	550.0	0	-	0.00%	-	0	-	-	-
54	550.1	575.0	0	-	0.00%	-	0	-	-	-
55	575.1	600.0	0	-	0.00%	-	0	-	-	-

Meter Size:		8 - Inch
Class:		Commercial
Basic Service Charge:	$	1,187.30
Tier One Breakover (M Gal):		1,500
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	600.1	625.0	0	-	0.00%	-	0	-	-	-
2	625.1	650.0	0	-	0.00%	-	0	-	-	-
3	650.1	675.0	0	-	0.00%	-	0	-	-	-
4	675.1	700.0	0	-	0.00%	-	0	-	-	-
5	700.1	725.0	0	-	0.00%	-	0	-	-	-
6	725.1	750.0	0	-	0.00%	-	0	-	-	-
7	750.1	775.0	0	-	0.00%	-	0	-	-	-
8	775.1	800.0	0	-	0.00%	-	0	-	-	-
9	800.1	850.0	0	-	0.00%	-	0	-	-	-
10	850.1	900.0	0	-	0.00%	-	0	-	-	-
11	900.1	929.0	0	-	0.00%	-	0	-	-	-
12	929.1	950.0	0	-	0.00%	-	0	-	-	-
13	950.1	1,000.0	0	-	0.00%	-	0	-	-	-
14	1,000.1	1,050.0	0	-	0.00%	-	0	-	-	-
15	1,050.1	1,100.0	0	-	0.00%	-	0	-	-	-
16	1,100.1	1,145.0	0	-	0.00%	-	0	-	-	-
17	1,145.1	1,150.0	0	-	0.00%	-	0	-	-	-
18	1,150.1	1,195.0	0	-	0.00%	-	0	-	-	-
19	1,195.1	1,200.0	0	-	0.00%	-	0	-	-	-
20	1,200.1	1,250.0	0	-	0.00%	-	0	-	-	-
21	1,250.1	1,300.0	0	-	0.00%	-	0	-	-	-
22	1,300.1	1,310.0	0	-	0.00%	-	0	-	-	-
23	1,310.1	1,350.0	0	-	0.00%	-	0	-	-	-
24	1,350.1	1,400.0	0	-	0.00%	-	0	-	-	-
25	1,400.1	1,450.0	0	-	0.00%	-	0	-	-	-
26	1,450.1	1,500.0	0	-	0.00%	-	0	-	-	-
27	1,500.1	1,550.0	0	-	0.00%	-	0	-	-	-
28	1,550.1	1,600.0	0	-	0.00%	-	0	-	-	-
29	1,600.1	1,620.0	0	-	0.00%	-	0	-	-	-
30	1,620.1	1,650.0	0	-	0.00%	-	0	-	-	-
31	1,650.1	1,700.0	0	-	0.00%	-	0	-	-	-
32	1,700.1	1,750.0	0	-	0.00%	-	0	-	-	-
33	1,750.1	1,800.0	0	-	0.00%	-	0	-	-	-
34	1,800.1	1,850.0	0	-	0.00%	-	0	-	-	-
35	1,850.1	1,900.0	0	-	0.00%	-	0	-	-	-
36	1,900.1	1,950.0	0	-	0.00%	-	0	-	-	-
37	1,950.1	2,000.0	0	-	0.00%	-	0	-	-	-
38	2,000.1	2,100.0	0	-	0.00%	-	0	-	-	-
39	2,100.1	2,160.0	0	-	0.00%	-	0	-	-	-
40	2,160.1	2,200.0	0	-	0.00%	-	0	-	-	-
41	2,200.1	2,300.0	0	-	0.00%	-	0	-	-	-
42	2,300.1	2,359.0	0	-	0.00%	-	0	-	-	-
43	2,359.1	2,400.0	0	-	0.00%	-	0	-	-	-
44	2,400.1	2,500.0	0	-	0.00%	-	0	-	-	-
45	2,500.1	2,600.0	0	-	0.00%	-	0	-	-	-
46	2,600.1	2,700.0	0	-	0.00%	-	0	-	-	-
47	2,700.1	2,800.0	0	-	0.00%	-	0	-	-	-
48	2,800.1	2,900.0	0	-	0.00%	-	0	-	-	-
49	2,900.1	3,000.0	0	-	0.00%	-	0	-	-	-
50	3,000.1	3,055.0	0	-	0.00%	-	0	-	-	-
51	3,055.1	3,100.0	0	-	0.00%	-	0	-	-	-
52	3,100.1	3,200.0	0	-	0.00%	-	0	-	-	-
53	3,200.1	3,300.0	0	-	0.00%	-	0	-	-	-
54	3,300.1	3,400.0	0	-	0.00%	-	0	-	-	-
55	3,400.1	3,483.0	0	-	0.00%	-	0	-	-	-

(Continued)

Meter Size:		8 - Inch
Class:		Commercial
Bill Count File:		0
Basic Service Charge:	$	1,187.30
Tier One Breakover (M Gal):		1,500
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Winkelman

Line No.	[A] Block (M Gal) From	[B] To	[C] Bills: Number of Bills by Block	[D] No. Up to & Including Block	[E] % of Total	[F] Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Cum. Use of Bills Stopping in Block	[I] Total Use to Block of all Bills Through Block	[J] Cumulative Billed Usage
1	3,483.1	3,500.0	0	-	0.00%	-	0	-	-	-
2	3,500.1	3,600.0	0	-	0.00%	-	0	-	-	-
3	3,600.1	3,700.0	0	-	0.00%	-	0	-	-	-
4	3,700.1	3,800.0	0	-	0.00%	-	0	-	-	-
5	3,800.1	3,817.0	0	-	0.00%	-	0	-	-	-
6	3,817.1	3,900.0	0	-	0.00%	-	0	-	-	-
7	3,900.1	4,000.0	0	-	0.00%	-	0	-	-	-
8	4,000.1	4,100.0	0	-	0.00%	-	0	-	-	-
9	4,100.1	4,200.0	0	-	0.00%	-	0	-	-	-
10	4,200.1	4,300.0	0	-	0.00%	-	0	-	-	-
11	4,300.1	4,400.0	0	-	0.00%	-	0	-	-	-
12	4,400.1	4,500.0	0	-	0.00%	-	0	-	-	-
13	4,500.1	5,000.0	0	-	0.00%	-	0	-	-	-
14	5,000.1	5,500.0	0	-	0.00%	-	0	-	-	-
15	5,500.1	6,000.0	0	-	0.00%	-	0	-	-	-
16	6,000.1	6,500.0	0	-	0.00%	-	0	-	-	-
17	6,500.1	7,000.0	0	-	0.00%	-	0	-	-	-
18	7,000.1	99,999.0	0	-	0.00%	-	0	-	-	-
19										
20	Total Bills/Use:		-	-	0.00%	-	-	-		-

(Continued)

Meter Size:		8 - Inch
Class:		Commercial
Bill Count File:		0
Basic Service Charge:	$	1,187.30
Tier One Breakover (M Gal):		1,500
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Total Test Year Usage & Revenues at Test Year Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Total Test Year Usage & Revenues at Test Year Rates- Including Customer Growth

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Total Normalized Usage & Revenues at Proposed Rates- Including Customer Growth

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

ARIZONA WATER COMPANY
Test Year Ended December 31, 2010
Bill Count

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	-	-	0.00%	-	-	-	-	-
2	0.1	10.0	-	-	0.00%	-	-	-	-	-
3	10.1	25.0	-	-	0.00%	-	-	-	-	-
4	25.1	50.0	-	-	0.00%	-	-	-	-	-
5	50.1	75.0	-	-	0.00%	-	-	-	-	-
6	75.1	100.0	-	-	0.00%	-	-	-	-	-
7	100.1	125.0	-	-	0.00%	-	-	-	-	-
8	125.1	150.0	-	-	0.00%	-	-	-	-	-
9	150.1	175.0	-	-	0.00%	-	-	-	-	-
10	175.1	200.0	-	-	0.00%	-	-	-	-	-
11	200.1	225.0	-	-	0.00%	-	-	-	-	-
12	225.1	250.0	-	-	0.00%	-	-	-	-	-
13	250.1	275.0	-	-	0.00%	-	-	-	-	-
14	275.1	300.0	-	-	0.00%	-	-	-	-	-
15	300.1	325.0	-	-	0.00%	-	-	-	-	-
16	325.1	350.0	-	-	0.00%	-	-	-	-	-
17	350.1	375.0	-	-	0.00%	-	-	-	-	-
18	375.1	400.0	-	-	0.00%	-	-	-	-	-
19	400.1	425.0	-	-	0.00%	-	-	-	-	-
20	425.1	450.0	-	-	0.00%	-	-	-	-	-
21	450.1	475.0	-	-	0.00%	-	-	-	-	-
22	475.1	500.0	-	-	0.00%	-	-	-	-	-
23	500.1	525.0	-	-	0.00%	-	-	-	-	-
24	525.1	550.0	-	-	0.00%	-	-	-	-	-
25	550.1	567.0	-	-	0.00%	-	-	-	-	-
26	567.1	600.0	-	-	0.00%	-	-	-	-	-
27	600.1	625.0	-	-	0.00%	-	-	-	-	-
28	625.1	650.0	-	-	0.00%	-	-	-	-	-
29	650.1	675.0	-	-	0.00%	-	-	-	-	-
30	675.1	700.0	-	-	0.00%	-	-	-	-	-
31	700.1	725.0	-	-	0.00%	-	-	-	-	-
32	725.1	750.0	-	-	0.00%	-	-	-	-	-
33	750.1	775.0	-	-	0.00%	-	-	-	-	-
34	775.1	800.0	-	-	0.00%	-	-	-	-	-
35	800.1	825.0	-	-	0.00%	-	-	-	-	-
36	825.1	850.0	-	-	0.00%	-	-	-	-	-
37	850.1	875.0	-	-	0.00%	-	-	-	-	-
38	875.1	900.0	-	-	0.00%	-	-	-	-	-
39	900.1	921.0	-	-	0.00%	-	-	-	-	-
40	921.1	925.0	-	-	0.00%	-	-	-	-	-
41	925.1	950.0	-	-	0.00%	-	-	-	-	-
42	950.1	975.0	-	-	0.00%	-	-	-	-	-
43	975.1	1,000.0	-	-	0.00%	-	-	-	-	-
44	1,000.1	1,025.0	-	-	0.00%	-	-	-	-	-
45	1,025.1	1,050.0	-	-	0.00%	-	-	-	-	-
46	1,050.1	1,080.0	-	-	0.00%	-	-	-	-	-
47	1,080.1	1,100.0	-	-	0.00%	-	-	-	-	-
48	1,100.1	1,125.0	-	-	0.00%	-	-	-	-	-
49	1,125.1	1,150.0	-	-	0.00%	-	-	-	-	-
50	1,150.1	1,175.0	-	-	0.00%	-	-	-	-	-
51	1,175.1	1,200.0	-	-	0.00%	-	-	-	-	-
52	1,200.1	1,225.0	-	-	0.00%	-	-	-	-	-
53	1,225.1	1,250.0	-	-	0.00%	-	-	-	-	-
54	1,250.1	1,275.0	-	-	0.00%	-	-	-	-	-
55	1,275.1	1,300.0	-	-	0.00%	-	-	-	-	-

Meter Size:		10 - Inch
Class:		Commercial
Basic Service Charge:	$	1,706.74
Tier One Breakover (M Gal):		2,647
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	1,300.1	1,310.0	-	-	0.00%	-	-	-	-	-
2	1,310.1	1,325.0	-	-	0.00%	-	-	-	-	-
3	1,325.1	1,342.0	-	-	0.00%	-	-	-	-	-
4	1,342.1	1,375.0	-	-	0.00%	-	-	-	-	-
5	1,375.1	1,400.0	-	-	0.00%	-	-	-	-	-
6	1,400.1	1,425.0	-	-	0.00%	-	-	-	-	-
7	1,425.1	1,450.0	-	-	0.00%	-	-	-	-	-
8	1,450.1	1,475.0	-	-	0.00%	-	-	-	-	-
9	1,475.1	1,500.0	-	-	0.00%	-	-	-	-	-
10	1,500.1	1,525.0	-	-	0.00%	-	-	-	-	-
11	1,525.1	1,541.0	-	-	0.00%	-	-	-	-	-
12	1,541.1	1,575.0	-	-	0.00%	-	-	-	-	-
13	1,575.1	1,600.0	-	-	0.00%	-	-	-	-	-
14	1,600.1	1,620.0	-	-	0.00%	-	-	-	-	-
15	1,620.1	1,625.0	-	-	0.00%	-	-	-	-	-
16	1,625.1	1,650.0	-	-	0.00%	-	-	-	-	-
17	1,650.1	1,675.0	-	-	0.00%	-	-	-	-	-
18	1,675.1	1,700.0	-	-	0.00%	-	-	-	-	-
19	1,700.1	1,725.0	-	-	0.00%	-	-	-	-	-
20	1,725.1	1,750.0	-	-	0.00%	-	-	-	-	-
21	1,750.1	1,783.0	-	-	0.00%	-	-	-	-	-
22	1,783.1	1,800.0	-	-	0.00%	-	-	-	-	-
23	1,800.1	1,825.0	-	-	0.00%	-	-	-	-	-
24	1,825.1	1,850.0	-	-	0.00%	-	-	-	-	-
25	1,850.1	1,875.0	-	-	0.00%	-	-	-	-	-
26	1,875.1	1,900.0	-	-	0.00%	-	-	-	-	-
27	1,900.1	1,925.0	-	-	0.00%	-	-	-	-	-
28	1,925.1	1,940.0	-	-	0.00%	-	-	-	-	-
29	1,940.1	2,000.0	-	-	0.00%	-	-	-	-	-
30	2,000.1	2,050.0	-	-	0.00%	-	-	-	-	-
31	2,050.1	2,100.0	-	-	0.00%	-	-	-	-	-
32	2,100.1	2,150.0	-	-	0.00%	-	-	-	-	-
33	2,150.1	2,160.0	-	-	0.00%	-	-	-	-	-
34	2,160.1	2,223.0	-	-	0.00%	-	-	-	-	-
35	2,223.1	2,225.0	-	-	0.00%	-	-	-	-	-
36	2,225.1	2,262.0	-	-	0.00%	-	-	-	-	-
37	2,262.1	2,264.0	-	-	0.00%	-	-	-	-	-
38	2,264.1	2,341.0	-	-	0.00%	-	-	-	-	-
39	2,341.1	2,390.0	-	-	0.00%	-	-	-	-	-
40	2,390.1	2,500.0	-	-	0.00%	-	-	-	-	-
41	2,500.1	2,550.0	-	-	0.00%	-	-	-	-	-
42	2,550.1	2,600.0	-	-	0.00%	-	-	-	-	-
43	2,600.1	2,647.0	-	-	0.00%	-	-	-	-	-
44	2,647.1	2,700.0	-	-	0.00%	-	-	-	-	-
45	2,700.1	2,800.0	-	-	0.00%	-	-	-	-	-
46	2,800.1	2,900.0	-	-	0.00%	-	-	-	-	-
47	2,900.1	3,000.0	-	-	0.00%	-	-	-	-	-
48	3,000.1	3,100.0	-	-	0.00%	-	-	-	-	-
49	3,100.1	3,200.0	-	-	0.00%	-	-	-	-	-
50	3,200.1	3,300.0	-	-	0.00%	-	-	-	-	-
51	3,300.1	3,400.0	-	-	0.00%	-	-	-	-	-
52	3,400.1	3,500.0	-	-	0.00%	-	-	-	-	-
53	3,500.1	3,600.0	-	-	0.00%	-	-	-	-	-
54	3,600.1	3,700.0	-	-	0.00%	-	-	-	-	-
55	3,700.1	3,800.0	-	-	0.00%	-	-	-	-	-

(Continued)

Meter Size:		10 - Inch
Class:		Commercial
Bill Count File:		0
Basic Service Charge:	$	1,706.74
Tier One Breakover (M Gal):		2,647
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	3,800.1	3,900.0	-	-	0.00%	-	-	-	-	-
2	3,900.1	4,000.0	-	-	0.00%	-	-	-	-	-
3	4,000.1	4,100.0	-	-	0.00%	-	-	-	-	-
4	4,100.1	4,200.0	-	-	0.00%	-	-	-	-	-
5	4,200.1	4,300.0	-	-	0.00%	-	-	-	-	-
6	4,300.1	4,416.0	-	-	0.00%	-	-	-	-	-
7	4,416.1	4,500.0	-	-	0.00%	-	-	-	-	-
8	4,500.1	5,024.0	-	-	0.00%	-	-	-	-	-
9	5,024.1	5,518.0	-	-	0.00%	-	-	-	-	-
10	5,518.1	6,000.0	-	-	0.00%	-	-	-	-	-
11	6,000.1	6,500.0	-	-	0.00%	-	-	-	-	-
12	6,500.1	7,292.0	-	-	0.00%	-	-	-	-	-
13	7,292.1	7,500.0	-	-	0.00%	-	-	-	-	-
14	7,500.1	8,000.0	-	-	0.00%	-	-	-	-	-
15	8,000.1	8,500.0	-	-	0.00%	-	-	-	-	-
16	8,500.1	9,000.0	-	-	0.00%	-	-	-	-	-
17	9,000.1	9,500.0	-	-	0.00%	-	-	-	-	-
18	9,500.1	99,999.0	-	-	0.00%	-	-	-	-	-
19										
20	Total Bills/Use:		-	-	0.00%	-	-	-		-

(Continued)

Meter Size:	10 - Inch
Class:	Commercial
Bill Count File:	0
Basic Service Charge:	$ 1,706.74
Tier One Breakover (M Gal):	2,647
Tier Two Breakover (M Gal):	99,999
Tier Three Breakover (M Gal):	99,999
Tier One Rate:	$ 1.8074
Tier Two Rate:	$ 2.2595
Tier Three Rate:	$ 2.2595

Total Test Year Usage & Revenues at Test Year Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Total Test Year Usage & Revenues at Test Year Rates- Including Customer Growth

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Total Normalized Usage & Revenues at Proposed Rates- Including Customer Growth

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

ARIZONA WATER COMPANY
Test Year Ended December 31, 2010
Bill Count

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	0	-	0.00%	-	0	-	-	-
2	0.1	1.0	0	-	0.00%	-	0	-	-	-
3	1.1	2.0	0	-	0.00%	-	0	-	-	-
4	2.1	3.0	0	-	0.00%	-	0	-	-	-
5	3.1	4.0	0	-	0.00%	-	0	-	-	-
6	4.1	5.0	0	-	0.00%	-	0	-	-	-
7	5.1	6.0	0	-	0.00%	-	0	-	-	-
8	6.1	7.0	0	-	0.00%	-	0	-	-	-
9	7.1	8.0	0	-	0.00%	-	0	-	-	-
10	8.1	9.0	0	-	0.00%	-	0	-	-	-
11	9.1	10.0	0	-	0.00%	-	0	-	-	-
12	10.1	11.0	0	-	0.00%	-	0	-	-	-
13	11.1	12.0	0	-	0.00%	-	0	-	-	-
14	12.1	13.0	0	-	0.00%	-	0	-	-	-
15	13.1	14.0	0	-	0.00%	-	0	-	-	-
16	14.1	15.0	0	-	0.00%	-	0	-	-	-
17	15.1	16.0	0	-	0.00%	-	0	-	-	-
18	16.1	17.0	0	-	0.00%	-	0	-	-	-
19	17.1	18.0	0	-	0.00%	-	0	-	-	-
20	18.1	19.0	0	-	0.00%	-	0	-	-	-
21	19.1	20.0	0	-	0.00%	-	0	-	-	-
22	20.1	21.0	0	-	0.00%	-	0	-	-	-
23	21.1	22.0	0	-	0.00%	-	0	-	-	-
24	22.1	23.0	0	-	0.00%	-	0	-	-	-
25	23.1	24.0	0	-	0.00%	-	0	-	-	-
26	24.1	25.0	0	-	0.00%	-	0	-	-	-
27	25.1	26.0	0	-	0.00%	-	0	-	-	-
28	26.1	27.0	0	-	0.00%	-	0	-	-	-
29	27.1	28.0	0	-	0.00%	-	0	-	-	-
30	28.1	29.0	0	-	0.00%	-	0	-	-	-
31	29.1	30.0	0	-	0.00%	-	0	-	-	-
32	30.1	31.0	0	-	0.00%	-	0	-	-	-
33	31.1	32.0	0	-	0.00%	-	0	-	-	-
34	32.1	33.0	0	-	0.00%	-	0	-	-	-
35	33.1	34.0	0	-	0.00%	-	0	-	-	-
36	34.1	35.0	0	-	0.00%	-	0	-	-	-
37	35.1	36.0	0	-	0.00%	-	0	-	-	-
38	36.1	37.0	0	-	0.00%	-	0	-	-	-
39	37.1	38.0	0	-	0.00%	-	0	-	-	-
40	38.1	39.0	0	-	0.00%	-	0	-	-	-
41	39.1	40.0	0	-	0.00%	-	0	-	-	-
42	40.1	41.0	0	-	0.00%	-	0	-	-	-
43	41.1	42.0	0	-	0.00%	-	0	-	-	-
44	42.1	43.0	0	-	0.00%	-	0	-	-	-
45	43.1	44.0	0	-	0.00%	-	0	-	-	-
46	44.1	45.0	0	-	0.00%	-	0	-	-	-
47	45.1	46.0	0	-	0.00%	-	0	-	-	-
48	46.1	47.0	0	-	0.00%	-	0	-	-	-
49	47.1	48.0	0	-	0.00%	-	0	-	-	-
50	48.1	49.0	0	-	0.00%	-	0	-	-	-
51	49.1	50.0	0	-	0.00%	-	0	-	-	-
52	50.1	55.0	0	-	0.00%	-	0	-	-	-
53	55.1	60.0	0	-	0.00%	-	0	-	-	-
54	60.1	65.0	0	-	0.00%	-	0	-	-	-
55	65.1	70.0	0	-	0.00%	-	0	-	-	-

Meter Size:		5/8 - Inch
Class:		Industrial
Basic Service Charge:	$	12.58
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	70.1	75.0	0	-	0.00%	-	0	-	-	-
2	75.1	80.0	0	-	0.00%	-	0	-	-	-
3	80.1	85.0	0	-	0.00%	-	0	-	-	-
4	85.1	90.0	0	-	0.00%	-	0	-	-	-
5	90.1	95.0	0	-	0.00%	-	0	-	-	-
6	95.1	100.0	0	-	0.00%	-	0	-	-	-
7	100.1	105.0	0	-	0.00%	-	0	-	-	-
8	105.1	110.0	0	-	0.00%	-	0	-	-	-
9	110.1	115.0	0	-	0.00%	-	0	-	-	-
10	115.1	120.0	0	-	0.00%	-	0	-	-	-
11	120.1	125.0	0	-	0.00%	-	0	-	-	-
12	125.1	130.0	0	-	0.00%	-	0	-	-	-
13	130.1	135.0	0	-	0.00%	-	0	-	-	-
14	135.1	140.0	0	-	0.00%	-	0	-	-	-
15	140.1	145.0	0	-	0.00%	-	0	-	-	-
16	145.1	150.0	0	-	0.00%	-	0	-	-	-
17	150.1	155.0	0	-	0.00%	-	0	-	-	-
18	155.1	160.0	0	-	0.00%	-	0	-	-	-
19	160.1	165.0	0	-	0.00%	-	0	-	-	-
20	165.1	170.0	0	-	0.00%	-	0	-	-	-
21	170.1	175.0	0	-	0.00%	-	0	-	-	-
22	175.1	180.0	0	-	0.00%	-	0	-	-	-
23	180.1	185.0	0	-	0.00%	-	0	-	-	-
24	185.1	190.0	0	-	0.00%	-	0	-	-	-
25	190.1	195.0	0	-	0.00%	-	0	-	-	-
26	195.1	200.0	0	-	0.00%	-	0	-	-	-
27	200.1	205.0	0	-	0.00%	-	0	-	-	-
28	205.1	210.0	0	-	0.00%	-	0	-	-	-
29	210.1	215.0	0	-	0.00%	-	0	-	-	-
30	215.1	220.0	0	-	0.00%	-	0	-	-	-
31	220.1	225.0	0	-	0.00%	-	0	-	-	-
32	225.1	230.0	0	-	0.00%	-	0	-	-	-
33	230.1	235.0	0	-	0.00%	-	0	-	-	-
34	235.1	240.0	0	-	0.00%	-	0	-	-	-
35	240.1	245.0	0	-	0.00%	-	0	-	-	-
36	245.1	250.0	0	-	0.00%	-	0	-	-	-
37	250.1	255.0	0	-	0.00%	-	0	-	-	-
38	255.1	260.0	0	-	0.00%	-	0	-	-	-
39	260.1	265.0	0	-	0.00%	-	0	-	-	-
40	265.1	270.0	0	-	0.00%	-	0	-	-	-
41	270.1	275.0	0	-	0.00%	-	0	-	-	-
42	275.1	280.0	0	-	0.00%	-	0	-	-	-
43	280.1	285.0	0	-	0.00%	-	0	-	-	-
44	285.1	290.0	0	-	0.00%	-	0	-	-	-
45	290.1	295.0	0	-	0.00%	-	0	-	-	-
46	295.1	300.0	0	-	0.00%	-	0	-	-	-
47	300.1	310.0	0	-	0.00%	-	0	-	-	-
48	310.1	320.0	0	-	0.00%	-	0	-	-	-
49	320.1	330.0	0	-	0.00%	-	0	-	-	-
50	330.1	340.0	0	-	0.00%	-	0	-	-	-
51	340.1	350.0	0	-	0.00%	-	0	-	-	-
52	350.1	360.0	0	-	0.00%	-	0	-	-	-
53	360.1	370.0	0	-	0.00%	-	0	-	-	-
54	370.1	380.0	0	-	0.00%	-	0	-	-	-
55	380.1	390.0	0	-	0.00%	-	0	-	-	-

(Continued)

Meter Size:		5/8 - Inch
Class:		Industrial
Bill Count File:		0
Basic Service Charge:	$	12.58
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

Winkelman

Line No.	[A] Block (M Gal) From	[B] To	[C] Bills: Number of Bills by Block	[D] No. Up to & Including Block	[E] % of Total	[F] Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Cum. Use of Bills Stopping in Block	[I] Total Use to Block of all Bills Through Block	[J] Cumulative Billed Usage
1	390.1	400.0	0	-	0.00%	-	0	-	-	-
2	400.1	410.0	0	-	0.00%	-	0	-	-	-
3	410.1	420.0	0	-	0.00%	-	0	-	-	-
4	420.1	430.0	0	-	0.00%	-	0	-	-	-
5	430.1	440.0	0	-	0.00%	-	0	-	-	-
6	440.1	450.0	0	-	0.00%	-	0	-	-	-
7	450.1	460.0	0	-	0.00%	-	0	-	-	-
8	460.1	470.0	0	-	0.00%	-	0	-	-	-
9	470.1	480.0	0	-	0.00%	-	0	-	-	-
10	480.1	490.0	0	-	0.00%	-	0	-	-	-
11	490.1	500.0	0	-	0.00%	-	0	-	-	-
12	500.1	550.0	0	-	0.00%	-	0	-	-	-
13	550.1	600.0	0	-	0.00%	-	0	-	-	-
14	600.1	650.0	0	-	0.00%	-	0	-	-	-
15	650.1	700.0	0	-	0.00%	-	0	-	-	-
16	700.1	750.0	0	-	0.00%	-	0	-	-	-
17	750.1	800.0	0	-	0.00%	-	0	-	-	-
18	800.1	99,999.0	0	-	0.00%	-	0	-	-	-
19										
20	Total Bills/Use:		-	-	0.00%	-	-	-		-

(Continued)

Meter Size:		5/8 - Inch
Class:		Industrial
Bill Count File:		0
Basic Service Charge:	$	12.58
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

Total Test Year Usage & Revenues at Test Year Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Total Test Year Usage & Revenues at Proposed Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

ARIZONA WATER COMPANY
Test Year Ended December 31, 2010
Bill Count

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	0	-	0.00%	-	0	-	-	-
2	0.1	1.0	0	-	0.00%	-	0	-	-	-
3	1.1	2.0	0	-	0.00%	-	0	-	-	-
4	2.1	3.0	0	-	0.00%	-	0	-	-	-
5	3.1	4.0	0	-	0.00%	-	0	-	-	-
6	4.1	5.0	0	-	0.00%	-	0	-	-	-
7	5.1	6.0	0	-	0.00%	-	0	-	-	-
8	6.1	7.0	0	-	0.00%	-	0	-	-	-
9	7.1	8.0	0	-	0.00%	-	0	-	-	-
10	8.1	9.0	0	-	0.00%	-	0	-	-	-
11	9.1	10.0	0	-	0.00%	-	0	-	-	-
12	10.1	11.0	0	-	0.00%	-	0	-	-	-
13	11.1	12.0	0	-	0.00%	-	0	-	-	-
14	12.1	13.0	0	-	0.00%	-	0	-	-	-
15	13.1	14.0	0	-	0.00%	-	0	-	-	-
16	14.1	15.0	0	-	0.00%	-	0	-	-	-
17	15.1	16.0	0	-	0.00%	-	0	-	-	-
18	16.1	17.0	0	-	0.00%	-	0	-	-	-
19	17.1	18.0	0	-	0.00%	-	0	-	-	-
20	18.1	19.0	0	-	0.00%	-	0	-	-	-
21	19.1	20.0	0	-	0.00%	-	0	-	-	-
22	20.1	21.0	0	-	0.00%	-	0	-	-	-
23	21.1	22.0	0	-	0.00%	-	0	-	-	-
24	22.1	23.0	0	-	0.00%	-	0	-	-	-
25	23.1	24.0	0	-	0.00%	-	0	-	-	-
26	24.1	25.0	0	-	0.00%	-	0	-	-	-
27	25.1	26.0	0	-	0.00%	-	0	-	-	-
28	26.1	27.0	0	-	0.00%	-	0	-	-	-
29	27.1	28.0	0	-	0.00%	-	0	-	-	-
30	28.1	29.0	0	-	0.00%	-	0	-	-	-
31	29.1	30.0	0	-	0.00%	-	0	-	-	-
32	30.1	31.0	0	-	0.00%	-	0	-	-	-
33	31.1	32.0	0	-	0.00%	-	0	-	-	-
34	32.1	33.0	0	-	0.00%	-	0	-	-	-
35	33.1	34.0	0	-	0.00%	-	0	-	-	-
36	34.1	35.0	0	-	0.00%	-	0	-	-	-
37	35.1	36.0	0	-	0.00%	-	0	-	-	-
38	36.1	37.0	0	-	0.00%	-	0	-	-	-
39	37.1	38.0	0	-	0.00%	-	0	-	-	-
40	38.1	39.0	0	-	0.00%	-	0	-	-	-
41	39.1	40.0	0	-	0.00%	-	0	-	-	-
42	40.1	41.0	0	-	0.00%	-	0	-	-	-
43	41.1	42.0	0	-	0.00%	-	0	-	-	-
44	42.1	43.0	0	-	0.00%	-	0	-	-	-
45	43.1	44.0	0	-	0.00%	-	0	-	-	-
46	44.1	45.0	0	-	0.00%	-	0	-	-	-
47	45.1	46.0	0	-	0.00%	-	0	-	-	-
48	46.1	47.0	0	-	0.00%	-	0	-	-	-
49	47.1	48.0	0	-	0.00%	-	0	-	-	-
50	48.1	49.0	0	-	0.00%	-	0	-	-	-
51	49.1	50.0	0	-	0.00%	-	0	-	-	-
52	50.1	55.0	0	-	0.00%	-	0	-	-	-
53	55.1	60.0	0	-	0.00%	-	0	-	-	-
54	60.1	65.0	0	-	0.00%	-	0	-	-	-
55	65.1	67.0	0	-	0.00%	-	0	-	-	-

Meter Size:		1 - Inch
Class:		Industrial
Basic Service Charge:	$	31.44
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	67.1	70.0	0	-	0.00%	-	0	-	-	-
2	70.1	75.0	0	-	0.00%	-	0	-	-	-
3	75.1	80.0	0	-	0.00%	-	0	-	-	-
4	80.1	85.0	0	-	0.00%	-	0	-	-	-
5	85.1	90.0	0	-	0.00%	-	0	-	-	-
6	90.1	95.0	0	-	0.00%	-	0	-	-	-
7	95.1	100.0	0	-	0.00%	-	0	-	-	-
8	100.1	105.0	0	-	0.00%	-	0	-	-	-
9	105.1	110.0	0	-	0.00%	-	0	-	-	-
10	110.1	115.0	0	-	0.00%	-	0	-	-	-
11	115.1	120.0	0	-	0.00%	-	0	-	-	-
12	120.1	125.0	0	-	0.00%	-	0	-	-	-
13	125.1	130.0	0	-	0.00%	-	0	-	-	-
14	130.1	135.0	0	-	0.00%	-	0	-	-	-
15	135.1	140.0	0	-	0.00%	-	0	-	-	-
16	140.1	145.0	0	-	0.00%	-	0	-	-	-
17	145.1	150.0	0	-	0.00%	-	0	-	-	-
18	150.1	155.0	0	-	0.00%	-	0	-	-	-
19	155.1	160.0	0	-	0.00%	-	0	-	-	-
20	160.1	165.0	0	-	0.00%	-	0	-	-	-
21	165.1	170.0	0	-	0.00%	-	0	-	-	-
22	170.1	175.0	0	-	0.00%	-	0	-	-	-
23	175.1	180.0	0	-	0.00%	-	0	-	-	-
24	180.1	185.0	0	-	0.00%	-	0	-	-	-
25	185.1	190.0	0	-	0.00%	-	0	-	-	-
26	190.1	195.0	0	-	0.00%	-	0	-	-	-
27	195.1	200.0	0	-	0.00%	-	0	-	-	-
28	200.1	205.0	0	-	0.00%	-	0	-	-	-
29	205.1	210.0	0	-	0.00%	-	0	-	-	-
30	210.1	215.0	0	-	0.00%	-	0	-	-	-
31	215.1	220.0	0	-	0.00%	-	0	-	-	-
32	220.1	225.0	0	-	0.00%	-	0	-	-	-
33	225.1	230.0	0	-	0.00%	-	0	-	-	-
34	230.1	235.0	0	-	0.00%	-	0	-	-	-
35	235.1	240.0	0	-	0.00%	-	0	-	-	-
36	240.1	245.0	0	-	0.00%	-	0	-	-	-
37	245.1	250.0	0	-	0.00%	-	0	-	-	-
38	250.1	255.0	0	-	0.00%	-	0	-	-	-
39	255.1	260.0	0	-	0.00%	-	0	-	-	-
40	260.1	265.0	0	-	0.00%	-	0	-	-	-
41	265.1	270.0	0	-	0.00%	-	0	-	-	-
42	270.1	275.0	0	-	0.00%	-	0	-	-	-
43	275.1	280.0	0	-	0.00%	-	0	-	-	-
44	280.1	285.0	0	-	0.00%	-	0	-	-	-
45	285.1	290.0	0	-	0.00%	-	0	-	-	-
46	290.1	295.0	0	-	0.00%	-	0	-	-	-
47	295.1	300.0	0	-	0.00%	-	0	-	-	-
48	300.1	310.0	0	-	0.00%	-	0	-	-	-
49	310.1	320.0	0	-	0.00%	-	0	-	-	-
50	320.1	330.0	0	-	0.00%	-	0	-	-	-
51	330.1	340.0	0	-	0.00%	-	0	-	-	-
52	340.1	350.0	0	-	0.00%	-	0	-	-	-
53	350.1	360.0	0	-	0.00%	-	0	-	-	-
54	360.1	370.0	0	-	0.00%	-	0	-	-	-
55	370.1	380.0	0	-	0.00%	-	0	-	-	-

(Continued)

Meter Size:		1 - Inch
Class:		Industrial
Bill Count File:		0
Basic Service Charge:	$	31.44
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

Winkelman

Line No.	[A] Block (M Gal) From	[B] To	[C] Bills: Number of Bills by Block	[D] No. Up to & Including Block	[E] % of Total	[F] Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Cum. Use of Bills Stopping in Block	[I] Total Use to Block of all Bills Through Block	[J] Cumulative Billed Usage
1	380.1	390.0	0	-	0.00%	-	0	-	-	-
2	390.1	400.0	0	-	0.00%	-	0	-	-	-
3	400.1	425.0	0	-	0.00%	-	0	-	-	-
4	425.1	450.0	0	-	0.00%	-	0	-	-	-
5	450.1	475.0	0	-	0.00%	-	0	-	-	-
6	475.1	500.0	0	-	0.00%	-	0	-	-	-
7	500.1	525.0	0	-	0.00%	-	0	-	-	-
8	525.1	550.0	0	-	0.00%	-	0	-	-	-
9	550.1	575.0	0	-	0.00%	-	0	-	-	-
10	575.1	600.0	0	-	0.00%	-	0	-	-	-
11	600.1	625.0	0	-	0.00%	-	0	-	-	-
12	625.1	650.0	0	-	0.00%	-	0	-	-	-
13	650.1	675.0	0	-	0.00%	-	0	-	-	-
14	675.1	700.0	0	-	0.00%	-	0	-	-	-
15	700.1	725.0	0	-	0.00%	-	0	-	-	-
16	725.1	750.0	0	-	0.00%	-	0	-	-	-
17	750.1	775.0	0	-	0.00%	-	0	-	-	-
18	775.1	99,999.0	0	-	0.00%	-	0	-	-	-
19										
20	Total Bills/Use:		-	-	0.00%	-	-	-		-

(Continued)

Meter Size:		1 - Inch
Class:		Industrial
Bill Count File:		0
Basic Service Charge:	$	31.44
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

Total Test Year Usage & Revenues at Test Year Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Total Test Year Usage & Revenues at Proposed Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

ARIZONA WATER COMPANY
Test Year Ended December 31, 2010
Bill Count

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	-	-	0.00%	-	-	-	-	-
2	0.1	1.0	-	-	0.00%	-	-	-	-	-
3	1.1	2.0	-	-	0.00%	-	-	-	-	-
4	2.1	3.0	-	-	0.00%	-	-	-	-	-
5	3.1	4.0	-	-	0.00%	-	-	-	-	-
6	4.1	5.0	-	-	0.00%	-	-	-	-	-
7	5.1	6.0	-	-	0.00%	-	-	-	-	-
8	6.1	7.0	-	-	0.00%	-	-	-	-	-
9	7.1	8.0	-	-	0.00%	-	-	-	-	-
10	8.1	9.0	-	-	0.00%	-	-	-	-	-
11	9.1	10.0	-	-	0.00%	-	-	-	-	-
12	10.1	11.0	-	-	0.00%	-	-	-	-	-
13	11.1	12.0	-	-	0.00%	-	-	-	-	-
14	12.1	13.0	-	-	0.00%	-	-	-	-	-
15	13.1	14.0	-	-	0.00%	-	-	-	-	-
16	14.1	15.0	-	-	0.00%	-	-	-	-	-
17	15.1	16.0	-	-	0.00%	-	-	-	-	-
18	16.1	17.0	-	-	0.00%	-	-	-	-	-
19	17.1	18.0	-	-	0.00%	-	-	-	-	-
20	18.1	19.0	-	-	0.00%	-	-	-	-	-
21	19.1	20.0	-	-	0.00%	-	-	-	-	-
22	20.1	21.0	-	-	0.00%	-	-	-	-	-
23	21.1	22.0	-	-	0.00%	-	-	-	-	-
24	22.1	23.0	-	-	0.00%	-	-	-	-	-
25	23.1	24.0	-	-	0.00%	-	-	-	-	-
26	24.1	25.0	-	-	0.00%	-	-	-	-	-
27	25.1	26.0	-	-	0.00%	-	-	-	-	-
28	26.1	27.0	-	-	0.00%	-	-	-	-	-
29	27.1	28.0	-	-	0.00%	-	-	-	-	-
30	28.1	29.0	-	-	0.00%	-	-	-	-	-
31	29.1	30.0	-	-	0.00%	-	-	-	-	-
32	30.1	31.0	-	-	0.00%	-	-	-	-	-
33	31.1	32.0	-	-	0.00%	-	-	-	-	-
34	32.1	33.0	-	-	0.00%	-	-	-	-	-
35	33.1	34.0	-	-	0.00%	-	-	-	-	-
36	34.1	35.0	-	-	0.00%	-	-	-	-	-
37	35.1	36.0	-	-	0.00%	-	-	-	-	-
38	36.1	37.0	-	-	0.00%	-	-	-	-	-
39	37.1	38.0	-	-	0.00%	-	-	-	-	-
40	38.1	39.0	-	-	0.00%	-	-	-	-	-
41	39.1	40.0	-	-	0.00%	-	-	-	-	-
42	40.1	41.0	-	-	0.00%	-	-	-	-	-
43	41.1	42.0	-	-	0.00%	-	-	-	-	-
44	42.1	43.0	-	-	0.00%	-	-	-	-	-
45	43.1	44.0	-	-	0.00%	-	-	-	-	-
46	44.1	45.0	-	-	0.00%	-	-	-	-	-
47	45.1	46.0	-	-	0.00%	-	-	-	-	-
48	46.1	47.0	-	-	0.00%	-	-	-	-	-
49	47.1	48.0	-	-	0.00%	-	-	-	-	-
50	48.1	49.0	-	-	0.00%	-	-	-	-	-
51	49.1	50.0	-	-	0.00%	-	-	-	-	-
52	50.1	55.0	-	-	0.00%	-	-	-	-	-
53	55.1	60.0	-	-	0.00%	-	-	-	-	-
54	60.1	65.0	-	-	0.00%	-	-	-	-	-
55	65.1	67.0	-	-	0.00%	-	-	-	-	-

Meter Size:	1.5 - Inch
Class:	Industrial
Basic Service Charge:	n/a
Tier One Breakover (M Gal):	n/a
Tier Two Breakover (M Gal):	n/a
Tier Three Breakover (M Gal):	n/a
Tier One Rate:	n/a
Tier Two Rate:	n/a
Tier Three Rate:	n/a

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	67.1	70.0	-	-	0.00%	-	-	-	-	-
2	70.1	75.0	-	-	0.00%	-	-	-	-	-
3	75.1	80.0	-	-	0.00%	-	-	-	-	-
4	80.1	85.0	-	-	0.00%	-	-	-	-	-
5	85.1	90.0	-	-	0.00%	-	-	-	-	-
6	90.1	95.0	-	-	0.00%	-	-	-	-	-
7	95.1	100.0	-	-	0.00%	-	-	-	-	-
8	100.1	105.0	-	-	0.00%	-	-	-	-	-
9	105.1	110.0	-	-	0.00%	-	-	-	-	-
10	110.1	115.0	-	-	0.00%	-	-	-	-	-
11	115.1	120.0	-	-	0.00%	-	-	-	-	-
12	120.1	125.0	-	-	0.00%	-	-	-	-	-
13	125.1	130.0	-	-	0.00%	-	-	-	-	-
14	130.1	135.0	-	-	0.00%	-	-	-	-	-
15	135.1	140.0	-	-	0.00%	-	-	-	-	-
16	140.1	145.0	-	-	0.00%	-	-	-	-	-
17	145.1	150.0	-	-	0.00%	-	-	-	-	-
18	150.1	155.0	-	-	0.00%	-	-	-	-	-
19	155.1	160.0	-	-	0.00%	-	-	-	-	-
20	160.1	165.0	-	-	0.00%	-	-	-	-	-
21	165.1	170.0	-	-	0.00%	-	-	-	-	-
22	170.1	175.0	-	-	0.00%	-	-	-	-	-
23	175.1	180.0	-	-	0.00%	-	-	-	-	-
24	180.1	185.0	-	-	0.00%	-	-	-	-	-
25	185.1	190.0	-	-	0.00%	-	-	-	-	-
26	190.1	195.0	-	-	0.00%	-	-	-	-	-
27	195.1	200.0	-	-	0.00%	-	-	-	-	-
28	200.1	205.0	-	-	0.00%	-	-	-	-	-
29	205.1	210.0	-	-	0.00%	-	-	-	-	-
30	210.1	215.0	-	-	0.00%	-	-	-	-	-
31	215.1	220.0	-	-	0.00%	-	-	-	-	-
32	220.1	225.0	-	-	0.00%	-	-	-	-	-
33	225.1	230.0	-	-	0.00%	-	-	-	-	-
34	230.1	235.0	-	-	0.00%	-	-	-	-	-
35	235.1	240.0	-	-	0.00%	-	-	-	-	-
36	240.1	245.0	-	-	0.00%	-	-	-	-	-
37	245.1	250.0	-	-	0.00%	-	-	-	-	-
38	250.1	255.0	-	-	0.00%	-	-	-	-	-
39	255.1	260.0	-	-	0.00%	-	-	-	-	-
40	260.1	265.0	-	-	0.00%	-	-	-	-	-
41	265.1	270.0	-	-	0.00%	-	-	-	-	-
42	270.1	275.0	-	-	0.00%	-	-	-	-	-
43	275.1	280.0	-	-	0.00%	-	-	-	-	-
44	280.1	285.0	-	-	0.00%	-	-	-	-	-
45	285.1	290.0	-	-	0.00%	-	-	-	-	-
46	290.1	295.0	-	-	0.00%	-	-	-	-	-
47	295.1	300.0	-	-	0.00%	-	-	-	-	-
48	300.1	310.0	-	-	0.00%	-	-	-	-	-
49	310.1	320.0	-	-	0.00%	-	-	-	-	-
50	320.1	330.0	-	-	0.00%	-	-	-	-	-
51	330.1	340.0	-	-	0.00%	-	-	-	-	-
52	340.1	350.0	-	-	0.00%	-	-	-	-	-
53	350.1	360.0	-	-	0.00%	-	-	-	-	-
54	360.1	370.0	-	-	0.00%	-	-	-	-	-
55	370.1	380.0	-	-	0.00%	-	-	-	-	-

(Continued)

Meter Size:	1.5 - Inch
Class:	Industrial
Bill Count File:	0
Basic Service Charge:	n/a
Tier One Breakover (M Gal):	n/a
Tier Two Breakover (M Gal):	n/a
Tier Three Breakover (M Gal):	n/a
Tier One Rate:	n/a
Tier Two Rate:	n/a
Tier Three Rate:	n/a

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Line No.	[A] Block (M Gal) From	[B] To	[C] Bills: Number of Bills by Block	[D] No. Up to & Including Block	[E] % of Total	[F] Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Cum. Use of Bills Stopping in Block	[I] Total Use to Block of all Bills Through Block	[J] Cumulative Billed Usage
1	380.1	390.0	-	-	0.00%	-	-	-	-	-
2	390.1	400.0	-	-	0.00%	-	-	-	-	-
3	400.1	425.0	-	-	0.00%	-	-	-	-	-
4	425.1	450.0	-	-	0.00%	-	-	-	-	-
5	450.1	475.0	-	-	0.00%	-	-	-	-	-
6	475.1	500.0	-	-	0.00%	-	-	-	-	-
7	500.1	525.0	-	-	0.00%	-	-	-	-	-
8	525.1	550.0	-	-	0.00%	-	-	-	-	-
9	550.1	575.0	-	-	0.00%	-	-	-	-	-
10	575.1	600.0	-	-	0.00%	-	-	-	-	-
11	600.1	625.0	-	-	0.00%	-	-	-	-	-
12	625.1	650.0	-	-	0.00%	-	-	-	-	-
13	650.1	675.0	-	-	0.00%	-	-	-	-	-
14	675.1	700.0	-	-	0.00%	-	-	-	-	-
15	700.1	725.0	-	-	0.00%	-	-	-	-	-
16	725.1	750.0	-	-	0.00%	-	-	-	-	-
17	750.1	775.0	-	-	0.00%	-	-	-	-	-
18	775.1	99,999.0	-	-	0.00%	-	-	-	-	-
19										
20	Total Bills/Use:		-	-	0.00%	-	-	-		-

(Continued)

Meter Size:	1.5 - Inch
Class:	Industrial
Bill Count File:	0
Basic Service Charge:	n/a
Tier One Breakover (M Gal):	n/a
Tier Two Breakover (M Gal):	n/a
Tier Three Breakover (M Gal):	n/a
Tier One Rate:	n/a
Tier Two Rate:	n/a
Tier Three Rate:	n/a

Total Test Year Usage & Revenues at Test Year Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Total Test Year Usage & Revenues at Proposed Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

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Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	0	-	0.00%	12	0	-	-	-
2	0.1	5.0	0	-	0.00%	12	0	-	60.0	60.0
3	5.1	10.0	0	-	0.00%	12	0	-	120.0	120.0
4	10.1	15.0	0	-	0.00%	12	0	-	180.0	180.0
5	15.1	20.0	0	-	0.00%	12	0	-	240.0	240.0
6	20.1	25.0	0	-	0.00%	12	0	-	300.0	300.0
7	25.1	30.0	1	1	8.33%	12	27.8	27.8	330.0	357.8
8	30.1	35.0	0	1	8.33%	11	0	27.8	385.0	412.8
9	35.1	40.0	1	2	16.67%	11	37.7	65.5	400.0	465.5
10	40.1	45.0	3	5	41.67%	10	128.7	194.2	315.0	509.2
11	45.1	50.0	0	5	41.67%	7	0	194.2	350.0	544.2
12	50.1	55.0	1	6	50.00%	7	54.9	249.1	330.0	579.1
13	55.1	60.0	1	7	58.33%	6	58.3	307.4	300.0	607.4
14	60.1	65.0	1	8	66.67%	5	64.4	371.8	260.0	631.8
15	65.1	70.0	1	9	75.00%	4	67.7	439.5	210.0	649.5
16	70.1	74.0	0	9	75.00%	3	0	439.5	222.0	661.5
17	74.1	75.0	0	9	75.00%	3	0	439.5	225.0	664.5
18	75.1	80.0	0	9	75.00%	3	0	439.5	240.0	679.5
19	80.1	85.0	1	10	83.33%	3	81	520.5	170.0	690.5
20	85.1	90.0	0	10	83.33%	2	0	520.5	180.0	700.5
21	90.1	95.0	0	10	83.33%	2	0	520.5	190.0	710.5
22	95.1	100.0	0	10	83.33%	2	0	520.5	200.0	720.5
23	100.1	110.0	0	10	83.33%	2	0	520.5	220.0	740.5
24	110.1	125.0	0	10	83.33%	2	0	520.5	250.0	770.5
25	125.1	130.0	1	11	91.67%	2	126.6	647.1	130.0	777.1
26	130.1	139.0	0	11	91.67%	1	0	647.1	139.0	786.1
27	139.1	150.0	0	11	91.67%	1	0	647.1	150.0	797.1
28	150.1	160.0	0	11	91.67%	1	0	647.1	160.0	807.1
29	160.1	170.0	0	11	91.67%	1	0	647.1	170.0	817.1
30	170.1	183.0	1	12	100.00%	1	182	829.1	-	829.1
31	183.1	190.0	0	12	100.00%	-	0	829.1	-	829.1
32	190.1	200.0	0	12	100.00%	-	0	829.1	-	829.1
33	200.1	210.0	0	12	100.00%	-	0	829.1	-	829.1
34	210.1	220.0	0	12	100.00%	-	0	829.1	-	829.1
35	220.1	230.0	0	12	100.00%	-	0	829.1	-	829.1
36	230.1	240.0	0	12	100.00%	-	0	829.1	-	829.1
37	240.1	250.0	0	12	100.00%	-	0	829.1	-	829.1
38	250.1	258.0	0	12	100.00%	-	0	829.1	-	829.1
39	258.1	260.0	0	12	100.00%	-	0	829.1	-	829.1
40	260.1	270.0	0	12	100.00%	-	0	829.1	-	829.1
41	270.1	275.0	0	12	100.00%	-	0	829.1	-	829.1
42	275.1	280.0	0	12	100.00%	-	0	829.1	-	829.1
43	280.1	289.0	0	12	100.00%	-	0	829.1	-	829.1
44	289.1	290.0	0	12	100.00%	-	0	829.1	-	829.1
45	290.1	296.0	0	12	100.00%	-	0	829.1	-	829.1
46	296.1	298.0	0	12	100.00%	-	0	829.1	-	829.1
47	298.1	299.0	0	12	100.00%	-	0	829.1	-	829.1
48	299.1	303.0	0	12	100.00%	-	0	829.1	-	829.1
49	303.1	316.0	0	12	100.00%	-	0	829.1	-	829.1
50	316.1	325.0	0	12	100.00%	-	0	829.1	-	829.1
51	325.1	350.0	0	12	100.00%	-	0	829.1	-	829.1
52	350.1	375.0	0	12	100.00%	-	0	829.1	-	829.1
53	375.1	400.0	0	12	100.00%	-	0	829.1	-	829.1
54	400.1	401.0	0	12	100.00%	-	0	829.1	-	829.1
55	401.1	410.0	0	12	100.00%	-	0	829.1	-	829.1

Meter Size:		2 - Inch
Class:		Industrial
Basic Service Charge:	$	100.61
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

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Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	410.1	420.0	0	12	100.00%	-	0	829.1	-	829.1
2	420.1	425.0	0	12	100.00%	-	0	829.1	-	829.1
3	425.1	450.0	0	12	100.00%	-	0	829.1	-	829.1
4	450.1	475.0	0	12	100.00%	-	0	829.1	-	829.1
5	475.1	500.0	0	12	100.00%	-	0	829.1	-	829.1
6	500.1	525.0	0	12	100.00%	-	0	829.1	-	829.1
7	525.1	550.0	0	12	100.00%	-	0	829.1	-	829.1
8	550.1	552.0	0	12	100.00%	-	0	829.1	-	829.1
9	552.1	568.0	0	12	100.00%	-	0	829.1	-	829.1
10	568.1	575.0	0	12	100.00%	-	0	829.1	-	829.1
11	575.1	600.0	0	12	100.00%	-	0	829.1	-	829.1
12	600.1	625.0	0	12	100.00%	-	0	829.1	-	829.1
13	625.1	650.0	0	12	100.00%	-	0	829.1	-	829.1
14	650.1	667.0	0	12	100.00%	-	0	829.1	-	829.1
15	667.1	675.0	0	12	100.00%	-	0	829.1	-	829.1
16	675.1	700.0	0	12	100.00%	-	0	829.1	-	829.1
17	700.1	750.0	0	12	100.00%	-	0	829.1	-	829.1
18	750.1	800.0	0	12	100.00%	-	0	829.1	-	829.1
19	800.1	850.0	0	12	100.00%	-	0	829.1	-	829.1
20	850.1	900.0	0	12	100.00%	-	0	829.1	-	829.1
21	900.1	950.0	0	12	100.00%	-	0	829.1	-	829.1
22	950.1	1,000.0	0	12	100.00%	-	0	829.1	-	829.1
23	1,000.1	1,050.0	0	12	100.00%	-	0	829.1	-	829.1
24	1,050.1	1,100.0	0	12	100.00%	-	0	829.1	-	829.1
25	1,100.1	1,150.0	0	12	100.00%	-	0	829.1	-	829.1
26	1,150.1	1,200.0	0	12	100.00%	-	0	829.1	-	829.1
27	1,200.1	1,250.0	0	12	100.00%	-	0	829.1	-	829.1
28	1,250.1	1,300.0	0	12	100.00%	-	0	829.1	-	829.1
29	1,300.1	1,350.0	0	12	100.00%	-	0	829.1	-	829.1
30	1,350.1	1,400.0	0	12	100.00%	-	0	829.1	-	829.1
31	1,400.1	1,450.0	0	12	100.00%	-	0	829.1	-	829.1
32	1,450.1	1,500.0	0	12	100.00%	-	0	829.1	-	829.1
33	1,500.1	1,550.0	0	12	100.00%	-	0	829.1	-	829.1
34	1,550.1	1,600.0	0	12	100.00%	-	0	829.1	-	829.1
35	1,600.1	1,650.0	0	12	100.00%	-	0	829.1	-	829.1
36	1,650.1	1,700.0	0	12	100.00%	-	0	829.1	-	829.1
37	1,700.1	1,750.0	0	12	100.00%	-	0	829.1	-	829.1
38	1,750.1	1,800.0	0	12	100.00%	-	0	829.1	-	829.1
39	1,800.1	1,850.0	0	12	100.00%	-	0	829.1	-	829.1
40	1,850.1	1,900.0	0	12	100.00%	-	0	829.1	-	829.1
41	1,900.1	1,950.0	0	12	100.00%	-	0	829.1	-	829.1
42	1,950.1	2,000.0	0	12	100.00%	-	0	829.1	-	829.1
43	2,000.1	2,100.0	0	12	100.00%	-	0	829.1	-	829.1
44	2,100.1	2,200.0	0	12	100.00%	-	0	829.1	-	829.1
45	2,200.1	2,300.0	0	12	100.00%	-	0	829.1	-	829.1
46	2,300.1	2,400.0	0	12	100.00%	-	0	829.1	-	829.1
47	2,400.1	2,500.0	0	12	100.00%	-	0	829.1	-	829.1
48	2,500.1	2,600.0	0	12	100.00%	-	0	829.1	-	829.1
49	2,600.1	2,700.0	0	12	100.00%	-	0	829.1	-	829.1
50	2,700.1	2,800.0	0	12	100.00%	-	0	829.1	-	829.1
51	2,800.1	2,900.0	0	12	100.00%	-	0	829.1	-	829.1
52	2,900.1	3,000.0	0	12	100.00%	-	0	829.1	-	829.1
53	3,000.1	3,100.0	0	12	100.00%	-	0	829.1	-	829.1
54	3,100.1	3,200.0	0	12	100.00%	-	0	829.1	-	829.1
55	3,200.1	3,300.0	0	12	100.00%	-	0	829.1	-	829.1

(Continued)

Meter Size:		2 - Inch
Class:		Industrial
Bill Count File:		0
Basic Service Charge:	$	100.61
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

ARIZONA WATER COMPANY
Test Year Ended December 31, 2010
Bill Count

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	3,300.1	3,400.0	0	12	100.00%	-	0	829.1	-	829.1
2	3,400.1	3,500.0	0	12	100.00%	-	0	829.1	-	829.1
3	3,500.1	3,600.0	0	12	100.00%	-	0	829.1	-	829.1
4	3,600.1	3,700.0	0	12	100.00%	-	0	829.1	-	829.1
5	3,700.1	3,800.0	0	12	100.00%	-	0	829.1	-	829.1
6	3,800.1	3,900.0	0	12	100.00%	-	0	829.1	-	829.1
7	3,900.1	4,000.0	0	12	100.00%	-	0	829.1	-	829.1
8	4,000.1	4,100.0	0	12	100.00%	-	0	829.1	-	829.1
9	4,100.1	4,200.0	0	12	100.00%	-	0	829.1	-	829.1
10	4,200.1	4,300.0	0	12	100.00%	-	0	829.1	-	829.1
11	4,300.1	4,400.0	0	12	100.00%	-	0	829.1	-	829.1
12	4,400.1	4,500.0	0	12	100.00%	-	0	829.1	-	829.1
13	4,500.1	4,600.0	0	12	100.00%	-	0	829.1	-	829.1
14	4,600.1	4,700.0	0	12	100.00%	-	0	829.1	-	829.1
15	4,700.1	4,800.0	0	12	100.00%	-	0	829.1	-	829.1
16	4,800.1	4,900.0	0	12	100.00%	-	0	829.1	-	829.1
17	4,900.1	5,000.0	0	12	100.00%	-	0	829.1	-	829.1
18	5,000.1	99,999.0	0	12	100.00%	-	0	829.1	-	829.1
19										
20	Total Bills/Use:		12	12	100.00%	12	829.1	829.1		829.1

(Continued)

Meter Size:		2 - Inch
Class:		Industrial
Bill Count File:		0
Basic Service Charge:	$	100.61
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

Total Test Year Usage & Revenues at Test Year Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				829.1	$ 1,882		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	1	69,091.7	55,000.0	829.1	$ 1,882	$ 1,207	$ 3,089

Total Test Year Usage & Revenues at Proposed Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				829.1	$ 2,073		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	1	69,092	55,000	829.1	$ 2,073	$ 1,824	$ 3,897

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	0	-	0.00%	-	0	-	-	-
2	0.1	5.0	0	-	0.00%	-	0	-	-	-
3	5.1	10.0	0	-	0.00%	-	0	-	-	-
4	10.1	15.0	0	-	0.00%	-	0	-	-	-
5	15.1	20.0	0	-	0.00%	-	0	-	-	-
6	20.1	25.0	0	-	0.00%	-	0	-	-	-
7	25.1	30.0	0	-	0.00%	-	0	-	-	-
8	30.1	35.0	0	-	0.00%	-	0	-	-	-
9	35.1	40.0	0	-	0.00%	-	0	-	-	-
10	40.1	45.0	0	-	0.00%	-	0	-	-	-
11	45.1	50.0	0	-	0.00%	-	0	-	-	-
12	50.1	55.0	0	-	0.00%	-	0	-	-	-
13	55.1	60.0	0	-	0.00%	-	0	-	-	-
14	60.1	65.0	0	-	0.00%	-	0	-	-	-
15	65.1	70.0	0	-	0.00%	-	0	-	-	-
16	70.1	74.0	0	-	0.00%	-	0	-	-	-
17	74.1	75.0	0	-	0.00%	-	0	-	-	-
18	75.1	80.0	0	-	0.00%	-	0	-	-	-
19	80.1	85.0	0	-	0.00%	-	0	-	-	-
20	85.1	90.0	0	-	0.00%	-	0	-	-	-
21	90.1	100.0	0	-	0.00%	-	0	-	-	-
22	100.1	110.0	0	-	0.00%	-	0	-	-	-
23	110.1	125.0	0	-	0.00%	-	0	-	-	-
24	125.1	130.0	0	-	0.00%	-	0	-	-	-
25	130.1	139.0	0	-	0.00%	-	0	-	-	-
26	139.1	150.0	0	-	0.00%	-	0	-	-	-
27	150.1	160.0	0	-	0.00%	-	0	-	-	-
28	160.1	165.0	0	-	0.00%	-	0	-	-	-
29	165.1	170.0	0	-	0.00%	-	0	-	-	-
30	170.1	175.0	0	-	0.00%	-	0	-	-	-
31	175.1	190.0	0	-	0.00%	-	0	-	-	-
32	190.1	200.0	0	-	0.00%	-	0	-	-	-
33	200.1	210.0	0	-	0.00%	-	0	-	-	-
34	210.1	220.0	0	-	0.00%	-	0	-	-	-
35	220.1	230.0	0	-	0.00%	-	0	-	-	-
36	230.1	240.0	0	-	0.00%	-	0	-	-	-
37	240.1	250.0	0	-	0.00%	-	0	-	-	-
38	250.1	258.0	0	-	0.00%	-	0	-	-	-
39	258.1	260.0	0	-	0.00%	-	0	-	-	-
40	260.1	270.0	0	-	0.00%	-	0	-	-	-
41	270.1	275.0	0	-	0.00%	-	0	-	-	-
42	275.1	280.0	0	-	0.00%	-	0	-	-	-
43	280.1	289.0	0	-	0.00%	-	0	-	-	-
44	289.1	290.0	0	-	0.00%	-	0	-	-	-
45	290.1	296.0	0	-	0.00%	-	0	-	-	-
46	296.1	298.0	0	-	0.00%	-	0	-	-	-
47	298.1	299.0	0	-	0.00%	-	0	-	-	-
48	299.1	303.0	0	-	0.00%	-	0	-	-	-
49	303.1	316.0	0	-	0.00%	-	0	-	-	-
50	316.1	325.0	0	-	0.00%	-	0	-	-	-
51	325.1	350.0	0	-	0.00%	-	0	-	-	-
52	350.1	375.0	0	-	0.00%	-	0	-	-	-
53	375.1	400.0	0	-	0.00%	-	0	-	-	-
54	400.1	401.0	0	-	0.00%	-	0	-	-	-
55	401.1	410.0	0	-	0.00%	-	0	-	-	-

Meter Size:		3 - Inch
Class:		Industrial
Basic Service Charge:	$	201.22
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

ARIZONA WATER COMPANY
Test Year Ended December 31, 2010
Bill Count

Winkelman

Line No.	[A] Block (M Gal) From	[B] To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	410.1	420.0	0	-	0.00%	-	0	-	-	-
2	420.1	425.0	0	-	0.00%	-	0	-	-	-
3	425.1	450.0	0	-	0.00%	-	0	-	-	-
4	450.1	475.0	0	-	0.00%	-	0	-	-	-
5	475.1	500.0	0	-	0.00%	-	0	-	-	-
6	500.1	525.0	0	-	0.00%	-	0	-	-	-
7	525.1	550.0	0	-	0.00%	-	0	-	-	-
8	550.1	552.0	0	-	0.00%	-	0	-	-	-
9	552.1	568.0	0	-	0.00%	-	0	-	-	-
10	568.1	575.0	0	-	0.00%	-	0	-	-	-
11	575.1	600.0	0	-	0.00%	-	0	-	-	-
12	600.1	625.0	0	-	0.00%	-	0	-	-	-
13	625.1	650.0	0	-	0.00%	-	0	-	-	-
14	650.1	667.0	0	-	0.00%	-	0	-	-	-
15	667.1	675.0	0	-	0.00%	-	0	-	-	-
16	675.1	700.0	0	-	0.00%	-	0	-	-	-
17	700.1	750.0	0	-	0.00%	-	0	-	-	-
18	750.1	800.0	0	-	0.00%	-	0	-	-	-
19	800.1	850.0	0	-	0.00%	-	0	-	-	-
20	850.1	900.0	0	-	0.00%	-	0	-	-	-
21	900.1	950.0	0	-	0.00%	-	0	-	-	-
22	950.1	1,000.0	0	-	0.00%	-	0	-	-	-
23	1,000.1	1,050.0	0	-	0.00%	-	0	-	-	-
24	1,050.1	1,100.0	0	-	0.00%	-	0	-	-	-
25	1,100.1	1,150.0	0	-	0.00%	-	0	-	-	-
26	1,150.1	1,200.0	0	-	0.00%	-	0	-	-	-
27	1,200.1	1,250.0	0	-	0.00%	-	0	-	-	-
28	1,250.1	1,300.0	0	-	0.00%	-	0	-	-	-
29	1,300.1	1,350.0	0	-	0.00%	-	0	-	-	-
30	1,350.1	1,400.0	0	-	0.00%	-	0	-	-	-
31	1,400.1	1,450.0	0	-	0.00%	-	0	-	-	-
32	1,450.1	1,500.0	0	-	0.00%	-	0	-	-	-
33	1,500.1	1,550.0	0	-	0.00%	-	0	-	-	-
34	1,550.1	1,600.0	0	-	0.00%	-	0	-	-	-
35	1,600.1	1,650.0	0	-	0.00%	-	0	-	-	-
36	1,650.1	1,700.0	0	-	0.00%	-	0	-	-	-
37	1,700.1	1,750.0	0	-	0.00%	-	0	-	-	-
38	1,750.1	1,800.0	0	-	0.00%	-	0	-	-	-
39	1,800.1	1,850.0	0	-	0.00%	-	0	-	-	-
40	1,850.1	1,900.0	0	-	0.00%	-	0	-	-	-
41	1,900.1	1,950.0	0	-	0.00%	-	0	-	-	-
42	1,950.1	2,000.0	0	-	0.00%	-	0	-	-	-
43	2,000.1	2,100.0	0	-	0.00%	-	0	-	-	-
44	2,100.1	2,200.0	0	-	0.00%	-	0	-	-	-
45	2,200.1	2,300.0	0	-	0.00%	-	0	-	-	-
46	2,300.1	2,400.0	0	-	0.00%	-	0	-	-	-
47	2,400.1	2,500.0	0	-	0.00%	-	0	-	-	-
48	2,500.1	2,600.0	0	-	0.00%	-	0	-	-	-
49	2,600.1	2,700.0	0	-	0.00%	-	0	-	-	-
50	2,700.1	2,800.0	0	-	0.00%	-	0	-	-	-
51	2,800.1	2,900.0	0	-	0.00%	-	0	-	-	-
52	2,900.1	3,000.0	0	-	0.00%	-	0	-	-	-
53	3,000.1	3,100.0	0	-	0.00%	-	0	-	-	-
54	3,100.1	3,200.0	0	-	0.00%	-	0	-	-	-
55	3,200.1	3,300.0	0	-	0.00%	-	0	-	-	-

(Continued)

Meter Size:		3 - Inch
Class:		Industrial
Bill Count File:		0
Basic Service Charge:	$	201.22
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	3,300.1	3,400.0	0	-	0.00%	-	0	-	-	-
2	3,400.1	3,500.0	0	-	0.00%	-	0	-	-	-
3	3,500.1	3,600.0	0	-	0.00%	-	0	-	-	-
4	3,600.1	3,700.0	0	-	0.00%	-	0	-	-	-
5	3,700.1	3,800.0	0	-	0.00%	-	0	-	-	-
6	3,800.1	3,900.0	0	-	0.00%	-	0	-	-	-
7	3,900.1	4,000.0	0	-	0.00%	-	0	-	-	-
8	4,000.1	4,100.0	0	-	0.00%	-	0	-	-	-
9	4,100.1	4,200.0	0	-	0.00%	-	0	-	-	-
10	4,200.1	4,300.0	0	-	0.00%	-	0	-	-	-
11	4,300.1	4,400.0	0	-	0.00%	-	0	-	-	-
12	4,400.1	4,500.0	0	-	0.00%	-	0	-	-	-
13	4,500.1	4,600.0	0	-	0.00%	-	0	-	-	-
14	4,600.1	4,700.0	0	-	0.00%	-	0	-	-	-
15	4,700.1	4,800.0	0	-	0.00%	-	0	-	-	-
16	4,800.1	4,900.0	0	-	0.00%	-	0	-	-	-
17	4,900.1	5,000.0	0	-	0.00%	-	0	-	-	-
18	5,000.1	99,999.0	0	-	0.00%	-	0	-	-	-
19										
20	Total Bills/Use:		-	-	0.00%	-	-	-		-

(Continued)

Meter Size:		3 - Inch
Class:		Industrial
Bill Count File:		0
Basic Service Charge:	$	201.22
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

Total Test Year Usage & Revenues at Test Year Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Total Test Year Usage & Revenues at Proposed Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	0	-	0.00%	-	0	-	-	-
2	0.1	5.0	0	-	0.00%	-	0	-	-	-
3	5.1	10.0	0	-	0.00%	-	0	-	-	-
4	10.1	15.0	0	-	0.00%	-	0	-	-	-
5	15.1	20.0	0	-	0.00%	-	0	-	-	-
6	20.1	25.0	0	-	0.00%	-	0	-	-	-
7	25.1	30.0	0	-	0.00%	-	0	-	-	-
8	30.1	35.0	0	-	0.00%	-	0	-	-	-
9	35.1	40.0	0	-	0.00%	-	0	-	-	-
10	40.1	45.0	0	-	0.00%	-	0	-	-	-
11	45.1	50.0	0	-	0.00%	-	0	-	-	-
12	50.1	55.0	0	-	0.00%	-	0	-	-	-
13	55.1	60.0	0	-	0.00%	-	0	-	-	-
14	60.1	65.0	0	-	0.00%	-	0	-	-	-
15	65.1	70.0	0	-	0.00%	-	0	-	-	-
16	70.1	75.0	0	-	0.00%	-	0	-	-	-
17	75.1	80.0	0	-	0.00%	-	0	-	-	-
18	80.1	85.0	0	-	0.00%	-	0	-	-	-
19	85.1	90.0	0	-	0.00%	-	0	-	-	-
20	90.1	100.0	0	-	0.00%	-	0	-	-	-
21	100.1	110.0	0	-	0.00%	-	0	-	-	-
22	110.1	125.0	0	-	0.00%	-	0	-	-	-
23	125.1	130.0	0	-	0.00%	-	0	-	-	-
24	130.1	140.0	0	-	0.00%	-	0	-	-	-
25	140.1	150.0	0	-	0.00%	-	0	-	-	-
26	150.1	160.0	0	-	0.00%	-	0	-	-	-
27	160.1	165.0	0	-	0.00%	-	0	-	-	-
28	165.1	170.0	0	-	0.00%	-	0	-	-	-
29	170.1	175.0	0	-	0.00%	-	0	-	-	-
30	175.1	190.0	0	-	0.00%	-	0	-	-	-
31	190.1	200.0	0	-	0.00%	-	0	-	-	-
32	200.1	210.0	0	-	0.00%	-	0	-	-	-
33	210.1	220.0	0	-	0.00%	-	0	-	-	-
34	220.1	230.0	0	-	0.00%	-	0	-	-	-
35	230.1	240.0	0	-	0.00%	-	0	-	-	-
36	240.1	250.0	0	-	0.00%	-	0	-	-	-
37	250.1	260.0	0	-	0.00%	-	0	-	-	-
38	260.1	270.0	0	-	0.00%	-	0	-	-	-
39	270.1	275.0	0	-	0.00%	-	0	-	-	-
40	275.1	280.0	0	-	0.00%	-	0	-	-	-
41	280.1	290.0	0	-	0.00%	-	0	-	-	-
42	290.1	303.0	0	-	0.00%	-	0	-	-	-
43	303.1	325.0	0	-	0.00%	-	0	-	-	-
44	325.1	340.0	0	-	0.00%	-	0	-	-	-
45	340.1	350.0	0	-	0.00%	-	0	-	-	-
46	350.1	375.0	0	-	0.00%	-	0	-	-	-
47	375.1	400.0	0	-	0.00%	-	0	-	-	-
48	400.1	410.0	0	-	0.00%	-	0	-	-	-
49	410.1	420.0	0	-	0.00%	-	0	-	-	-
50	420.1	425.0	0	-	0.00%	-	0	-	-	-
51	425.1	450.0	0	-	0.00%	-	0	-	-	-
52	450.1	474.0	0	-	0.00%	-	0	-	-	-
53	474.1	475.0	0	-	0.00%	-	0	-	-	-
54	475.1	487.0	0	-	0.00%	-	0	-	-	-
55	487.1	493.0	0	-	0.00%	-	0	-	-	-

Meter Size:		4 - Inch
Class:		Industrial
Basic Service Charge:	$	314.41
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	493.1	494.0	0	-	0.00%	-	0	-	-	-
2	494.1	500.0	0	-	0.00%	-	0	-	-	-
3	500.1	525.0	0	-	0.00%	-	0	-	-	-
4	525.1	550.0	0	-	0.00%	-	0	-	-	-
5	550.1	575.0	0	-	0.00%	-	0	-	-	-
6	575.1	600.0	0	-	0.00%	-	0	-	-	-
7	600.1	625.0	0	-	0.00%	-	0	-	-	-
8	625.1	650.0	0	-	0.00%	-	0	-	-	-
9	650.1	667.0	0	-	0.00%	-	0	-	-	-
10	667.1	675.0	0	-	0.00%	-	0	-	-	-
11	675.1	700.0	0	-	0.00%	-	0	-	-	-
12	700.1	750.0	0	-	0.00%	-	0	-	-	-
13	750.1	800.0	0	-	0.00%	-	0	-	-	-
14	800.1	850.0	0	-	0.00%	-	0	-	-	-
15	850.1	900.0	0	-	0.00%	-	0	-	-	-
16	900.1	917.0	0	-	0.00%	-	0	-	-	-
17	917.1	950.0	0	-	0.00%	-	0	-	-	-
18	950.1	1,000.0	0	-	0.00%	-	0	-	-	-
19	1,000.1	1,050.0	0	-	0.00%	-	0	-	-	-
20	1,050.1	1,062.0	0	-	0.00%	-	0	-	-	-
21	1,062.1	1,100.0	0	-	0.00%	-	0	-	-	-
22	1,100.1	1,145.0	0	-	0.00%	-	0	-	-	-
23	1,145.1	1,150.0	0	-	0.00%	-	0	-	-	-
24	1,150.1	1,195.0	0	-	0.00%	-	0	-	-	-
25	1,195.1	1,200.0	0	-	0.00%	-	0	-	-	-
26	1,200.1	1,250.0	0	-	0.00%	-	0	-	-	-
27	1,250.1	1,300.0	0	-	0.00%	-	0	-	-	-
28	1,300.1	1,350.0	0	-	0.00%	-	0	-	-	-
29	1,350.1	1,400.0	0	-	0.00%	-	0	-	-	-
30	1,400.1	1,450.0	0	-	0.00%	-	0	-	-	-
31	1,450.1	1,500.0	0	-	0.00%	-	0	-	-	-
32	1,500.1	1,550.0	0	-	0.00%	-	0	-	-	-
33	1,550.1	1,600.0	0	-	0.00%	-	0	-	-	-
34	1,600.1	1,650.0	0	-	0.00%	-	0	-	-	-
35	1,650.1	1,700.0	0	-	0.00%	-	0	-	-	-
36	1,700.1	1,750.0	0	-	0.00%	-	0	-	-	-
37	1,750.1	1,800.0	0	-	0.00%	-	0	-	-	-
38	1,800.1	1,850.0	0	-	0.00%	-	0	-	-	-
39	1,850.1	1,900.0	0	-	0.00%	-	0	-	-	-
40	1,900.1	1,950.0	0	-	0.00%	-	0	-	-	-
41	1,950.1	2,000.0	0	-	0.00%	-	0	-	-	-
42	2,000.1	2,100.0	0	-	0.00%	-	0	-	-	-
43	2,100.1	2,200.0	0	-	0.00%	-	0	-	-	-
44	2,200.1	2,300.0	0	-	0.00%	-	0	-	-	-
45	2,300.1	2,400.0	0	-	0.00%	-	0	-	-	-
46	2,400.1	2,500.0	0	-	0.00%	-	0	-	-	-
47	2,500.1	2,600.0	0	-	0.00%	-	0	-	-	-
48	2,600.1	2,700.0	0	-	0.00%	-	0	-	-	-
49	2,700.1	2,800.0	0	-	0.00%	-	0	-	-	-
50	2,800.1	2,900.0	0	-	0.00%	-	0	-	-	-
51	2,900.1	3,000.0	0	-	0.00%	-	0	-	-	-
52	3,000.1	3,100.0	0	-	0.00%	-	0	-	-	-
53	3,100.1	3,200.0	0	-	0.00%	-	0	-	-	-
54	3,200.1	3,300.0	0	-	0.00%	-	0	-	-	-
55	3,300.1	3,400.0	0	-	0.00%	-	0	-	-	-

(Continued)

Meter Size:		4 - Inch
Class:		Industrial
Bill Count File:		0
Basic Service Charge:	$	314.41
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	3,400.1	3,500.0	0	-	0.00%	-	0	-	-	-
2	3,500.1	3,517.0	0	-	0.00%	-	0	-	-	-
3	3,517.1	3,600.0	0	-	0.00%	-	0	-	-	-
4	3,600.1	3,700.0	0	-	0.00%	-	0	-	-	-
5	3,700.1	3,800.0	0	-	0.00%	-	0	-	-	-
6	3,800.1	3,900.0	0	-	0.00%	-	0	-	-	-
7	3,900.1	4,000.0	0	-	0.00%	-	0	-	-	-
8	4,000.1	4,100.0	0	-	0.00%	-	0	-	-	-
9	4,100.1	4,200.0	0	-	0.00%	-	0	-	-	-
10	4,200.1	4,300.0	0	-	0.00%	-	0	-	-	-
11	4,300.1	4,400.0	0	-	0.00%	-	0	-	-	-
12	4,400.1	4,500.0	0	-	0.00%	-	0	-	-	-
13	4,500.1	4,600.0	0	-	0.00%	-	0	-	-	-
14	4,600.1	4,700.0	0	-	0.00%	-	0	-	-	-
15	4,700.1	4,800.0	0	-	0.00%	-	0	-	-	-
16	4,800.1	4,900.0	0	-	0.00%	-	0	-	-	-
17	4,900.1	5,000.0	0	-	0.00%	-	0	-	-	-
18	5,000.1	99,999.0	0	-	0.00%	-	0	-	-	-
19										
20	Total Bills/Use:		-	-	0.00%	-	-	-		-

(Continued)

Meter Size:		4 - Inch
Class:		Industrial
Bill Count File:		0
Basic Service Charge:	$	314.41
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

Total Test Year Usage & Revenues at Test Year Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Total Test Year Usage & Revenues at Proposed Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	0	-	0.00%	-	0	-	-	-
2	0.1	5.0	0	-	0.00%	-	0	-	-	-
3	5.1	10.0	0	-	0.00%	-	0	-	-	-
4	10.1	15.0	0	-	0.00%	-	0	-	-	-
5	15.1	20.0	0	-	0.00%	-	0	-	-	-
6	20.1	25.0	0	-	0.00%	-	0	-	-	-
7	25.1	30.0	0	-	0.00%	-	0	-	-	-
8	30.1	35.0	0	-	0.00%	-	0	-	-	-
9	35.1	40.0	0	-	0.00%	-	0	-	-	-
10	40.1	45.0	0	-	0.00%	-	0	-	-	-
11	45.1	50.0	0	-	0.00%	-	0	-	-	-
12	50.1	55.0	0	-	0.00%	-	0	-	-	-
13	55.1	60.0	0	-	0.00%	-	0	-	-	-
14	60.1	65.0	0	-	0.00%	-	0	-	-	-
15	65.1	70.0	0	-	0.00%	-	0	-	-	-
16	70.1	75.0	0	-	0.00%	-	0	-	-	-
17	75.1	80.0	0	-	0.00%	-	0	-	-	-
18	80.1	85.0	0	-	0.00%	-	0	-	-	-
19	85.1	90.0	0	-	0.00%	-	0	-	-	-
20	90.1	100.0	0	-	0.00%	-	0	-	-	-
21	100.1	110.0	0	-	0.00%	-	0	-	-	-
22	110.1	125.0	0	-	0.00%	-	0	-	-	-
23	125.1	130.0	0	-	0.00%	-	0	-	-	-
24	130.1	140.0	0	-	0.00%	-	0	-	-	-
25	140.1	150.0	0	-	0.00%	-	0	-	-	-
26	150.1	160.0	0	-	0.00%	-	0	-	-	-
27	160.1	165.0	0	-	0.00%	-	0	-	-	-
28	165.1	170.0	0	-	0.00%	-	0	-	-	-
29	170.1	175.0	0	-	0.00%	-	0	-	-	-
30	175.1	190.0	0	-	0.00%	-	0	-	-	-
31	190.1	200.0	0	-	0.00%	-	0	-	-	-
32	200.1	225.0	0	-	0.00%	-	0	-	-	-
33	225.1	250.0	0	-	0.00%	-	0	-	-	-
34	250.1	275.0	0	-	0.00%	-	0	-	-	-
35	275.1	300.0	0	-	0.00%	-	0	-	-	-
36	300.1	325.0	0	-	0.00%	-	0	-	-	-
37	325.1	350.0	0	-	0.00%	-	0	-	-	-
38	350.1	375.0	0	-	0.00%	-	0	-	-	-
39	375.1	400.0	0	-	0.00%	-	0	-	-	-
40	400.1	425.0	0	-	0.00%	-	0	-	-	-
41	425.1	450.0	0	-	0.00%	-	0	-	-	-
42	450.1	477.0	0	-	0.00%	-	0	-	-	-
43	477.1	552.0	0	-	0.00%	-	0	-	-	-
44	552.1	627.0	0	-	0.00%	-	0	-	-	-
45	627.1	702.0	0	-	0.00%	-	0	-	-	-
46	702.1	775.0	0	-	0.00%	-	0	-	-	-
47	775.1	852.0	0	-	0.00%	-	0	-	-	-
48	852.1	927.0	0	-	0.00%	-	0	-	-	-
49	927.1	1,002.0	0	-	0.00%	-	0	-	-	-
50	1,002.1	1,075.0	0	-	0.00%	-	0	-	-	-
51	1,075.1	1,150.0	0	-	0.00%	-	0	-	-	-
52	1,150.1	1,225.0	0	-	0.00%	-	0	-	-	-
53	1,225.1	1,300.0	0	-	0.00%	-	0	-	-	-
54	1,300.1	1,375.0	0	-	0.00%	-	0	-	-	-
55	1,375.1	1,450.0	0	-	0.00%	-	0	-	-	-

Meter Size:		6 - Inch
Class:		Industrial
Basic Service Charge:	$	628.81
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	1,450.1	1,525.0	0	-	0.00%	-	0	-	-	-
2	1,525.1	1,600.0	0	-	0.00%	-	0	-	-	-
3	1,600.1	1,675.0	0	-	0.00%	-	0	-	-	-
4	1,675.1	1,750.0	0	-	0.00%	-	0	-	-	-
5	1,750.1	1,889.0	0	-	0.00%	-	0	-	-	-
6	1,889.1	1,900.0	0	-	0.00%	-	0	-	-	-
7	1,900.1	1,975.0	0	-	0.00%	-	0	-	-	-
8	1,975.1	2,050.0	0	-	0.00%	-	0	-	-	-
9	2,050.1	2,160.0	0	-	0.00%	-	0	-	-	-
10	2,160.1	2,200.0	0	-	0.00%	-	0	-	-	-
11	2,200.1	2,275.0	0	-	0.00%	-	0	-	-	-
12	2,275.1	2,359.0	0	-	0.00%	-	0	-	-	-
13	2,359.1	2,425.0	0	-	0.00%	-	0	-	-	-
14	2,425.1	2,500.0	0	-	0.00%	-	0	-	-	-
15	2,500.1	2,575.0	0	-	0.00%	-	0	-	-	-
16	2,575.1	2,650.0	0	-	0.00%	-	0	-	-	-
17	2,650.1	2,725.0	0	-	0.00%	-	0	-	-	-
18	2,725.1	2,800.0	0	-	0.00%	-	0	-	-	-
19	2,800.1	2,875.0	0	-	0.00%	-	0	-	-	-
20	2,875.1	2,950.0	0	-	0.00%	-	0	-	-	-
21	2,950.1	3,025.0	0	-	0.00%	-	0	-	-	-
22	3,025.1	3,100.0	0	-	0.00%	-	0	-	-	-
23	3,100.1	3,175.0	0	-	0.00%	-	0	-	-	-
24	3,175.1	3,250.0	0	-	0.00%	-	0	-	-	-
25	3,250.1	3,325.0	0	-	0.00%	-	0	-	-	-
26	3,325.1	3,400.0	0	-	0.00%	-	0	-	-	-
27	3,400.1	3,475.0	0	-	0.00%	-	0	-	-	-
28	3,475.1	3,550.0	0	-	0.00%	-	0	-	-	-
29	3,550.1	3,625.0	0	-	0.00%	-	0	-	-	-
30	3,625.1	3,700.0	0	-	0.00%	-	0	-	-	-
31	3,700.1	3,775.0	0	-	0.00%	-	0	-	-	-
32	3,775.1	3,850.0	0	-	0.00%	-	0	-	-	-
33	3,850.1	3,925.0	0	-	0.00%	-	0	-	-	-
34	3,925.1	4,000.0	0	-	0.00%	-	0	-	-	-
35	4,000.1	4,250.0	0	-	0.00%	-	0	-	-	-
36	4,250.1	4,500.0	0	-	0.00%	-	0	-	-	-
37	4,500.1	4,750.0	0	-	0.00%	-	0	-	-	-
38	4,750.1	5,000.0	0	-	0.00%	-	0	-	-	-
39	5,000.1	5,250.0	0	-	0.00%	-	0	-	-	-
40	5,250.1	5,500.0	0	-	0.00%	-	0	-	-	-
41	5,500.1	5,750.0	0	-	0.00%	-	0	-	-	-
42	5,750.1	6,000.0	0	-	0.00%	-	0	-	-	-
43	6,000.1	6,250.0	0	-	0.00%	-	0	-	-	-
44	6,250.1	6,500.0	0	-	0.00%	-	0	-	-	-
45	6,500.1	6,750.0	0	-	0.00%	-	0	-	-	-
46	6,750.1	7,000.0	0	-	0.00%	-	0	-	-	-
47	7,000.1	7,250.0	0	-	0.00%	-	0	-	-	-
48	7,250.1	7,500.0	0	-	0.00%	-	0	-	-	-
49	7,500.1	7,750.0	0	-	0.00%	-	0	-	-	-
50	7,750.1	8,000.0	0	-	0.00%	-	0	-	-	-
51	8,000.1	8,250.0	0	-	0.00%	-	0	-	-	-
52	8,250.1	8,500.0	0	-	0.00%	-	0	-	-	-
53	8,500.1	8,750.0	0	-	0.00%	-	0	-	-	-
54	8,750.1	9,000.0	0	-	0.00%	-	0	-	-	-
55	9,000.1	9,750.0	0	-	0.00%	-	0	-	-	-

(Continued)

Meter Size:		6 - Inch
Class:		Industrial
Bill Count File:		0
Basic Service Charge:	$	628.81
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

ARIZONA WATER COMPANY
Test Year Ended December 31, 2010
Bill Count

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	9,750.1	10,500.0	0	-	0.00%	-	0	-	-	-
2	10,500.1	11,250.0	0	-	0.00%	-	0	-	-	-
3	11,250.1	12,000.0	0	-	0.00%	-	0	-	-	-
4	12,000.1	12,750.0	0	-	0.00%	-	0	-	-	-
5	12,750.1	13,500.0	0	-	0.00%	-	0	-	-	-
6	13,500.1	14,250.0	0	-	0.00%	-	0	-	-	-
7	14,250.1	15,000.0	0	-	0.00%	-	0	-	-	-
8	15,000.1	17,500.0	0	-	0.00%	-	0	-	-	-
9	17,500.1	20,000.0	0	-	0.00%	-	0	-	-	-
10	20,000.1	22,500.0	0	-	0.00%	-	0	-	-	-
11	22,500.1	25,000.0	0	-	0.00%	-	0	-	-	-
12	25,000.1	27,500.0	0	-	0.00%	-	0	-	-	-
13	27,500.1	30,000.0	0	-	0.00%	-	0	-	-	-
14	30,000.1	32,500.0	0	-	0.00%	-	0	-	-	-
15	32,500.1	35,000.0	0	-	0.00%	-	0	-	-	-
16	35,000.1	37,500.0	0	-	0.00%	-	0	-	-	-
17	37,500.1	40,000.0	0	-	0.00%	-	0	-	-	-
18	40,000.1	99,999.0	0	-	0.00%	-	0	-	-	-
19										
20	Total Bills/Use:		-	-	0.00%	-	-	-		-

(Continued)

Meter Size:		6 - Inch
Class:		Industrial
Bill Count File:		0
Basic Service Charge:	$	628.81
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

Total Test Year Usage & Revenues at Test Year Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Total Test Year Usage & Revenues at Proposed Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

ARIZONA WATER COMPANY
Test Year Ended December 31, 2010
Bill Count

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	0	-	0.00%	-	0	-	-	-
2	0.1	5.0	0	-	0.00%	-	0	-	-	-
3	5.1	10.0	0	-	0.00%	-	0	-	-	-
4	10.1	15.0	0	-	0.00%	-	0	-	-	-
5	15.1	20.0	0	-	0.00%	-	0	-	-	-
6	20.1	25.0	0	-	0.00%	-	0	-	-	-
7	25.1	30.0	0	-	0.00%	-	0	-	-	-
8	30.1	35.0	0	-	0.00%	-	0	-	-	-
9	35.1	40.0	0	-	0.00%	-	0	-	-	-
10	40.1	45.0	0	-	0.00%	-	0	-	-	-
11	45.1	50.0	0	-	0.00%	-	0	-	-	-
12	50.1	55.0	0	-	0.00%	-	0	-	-	-
13	55.1	60.0	0	-	0.00%	-	0	-	-	-
14	60.1	65.0	0	-	0.00%	-	0	-	-	-
15	65.1	70.0	0	-	0.00%	-	0	-	-	-
16	70.1	75.0	0	-	0.00%	-	0	-	-	-
17	75.1	80.0	0	-	0.00%	-	0	-	-	-
18	80.1	85.0	0	-	0.00%	-	0	-	-	-
19	85.1	90.0	0	-	0.00%	-	0	-	-	-
20	90.1	100.0	0	-	0.00%	-	0	-	-	-
21	100.1	110.0	0	-	0.00%	-	0	-	-	-
22	110.1	125.0	0	-	0.00%	-	0	-	-	-
23	125.1	130.0	0	-	0.00%	-	0	-	-	-
24	130.1	140.0	0	-	0.00%	-	0	-	-	-
25	140.1	150.0	0	-	0.00%	-	0	-	-	-
26	150.1	160.0	0	-	0.00%	-	0	-	-	-
27	160.1	165.0	0	-	0.00%	-	0	-	-	-
28	165.1	170.0	0	-	0.00%	-	0	-	-	-
29	170.1	175.0	0	-	0.00%	-	0	-	-	-
30	175.1	190.0	0	-	0.00%	-	0	-	-	-
31	190.1	200.0	0	-	0.00%	-	0	-	-	-
32	200.1	225.0	0	-	0.00%	-	0	-	-	-
33	225.1	250.0	0	-	0.00%	-	0	-	-	-
34	250.1	275.0	0	-	0.00%	-	0	-	-	-
35	275.1	300.0	0	-	0.00%	-	0	-	-	-
36	300.1	325.0	0	-	0.00%	-	0	-	-	-
37	325.1	350.0	0	-	0.00%	-	0	-	-	-
38	350.1	375.0	0	-	0.00%	-	0	-	-	-
39	375.1	400.0	0	-	0.00%	-	0	-	-	-
40	400.1	425.0	0	-	0.00%	-	0	-	-	-
41	425.1	450.0	0	-	0.00%	-	0	-	-	-
42	450.1	477.0	0	-	0.00%	-	0	-	-	-
43	477.1	552.0	0	-	0.00%	-	0	-	-	-
44	552.1	627.0	0	-	0.00%	-	0	-	-	-
45	627.1	702.0	0	-	0.00%	-	0	-	-	-
46	702.1	777.0	0	-	0.00%	-	0	-	-	-
47	777.1	852.0	0	-	0.00%	-	0	-	-	-
48	852.1	927.0	0	-	0.00%	-	0	-	-	-
49	927.1	1,002.0	0	-	0.00%	-	0	-	-	-
50	1,002.1	1,075.0	0	-	0.00%	-	0	-	-	-
51	1,075.1	1,150.0	0	-	0.00%	-	0	-	-	-
52	1,150.1	1,225.0	0	-	0.00%	-	0	-	-	-
53	1,225.1	1,310.0	0	-	0.00%	-	0	-	-	-
54	1,310.1	1,375.0	0	-	0.00%	-	0	-	-	-
55	1,375.1	1,450.0	0	-	0.00%	-	0	-	-	-

Meter Size:		8 - Inch
Class:		Industrial
Basic Service Charge:	$	1,006.10
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	1,450.1	1,525.0	0	-	0.00%	-	0	-	-	-
2	1,525.1	1,620.0	0	-	0.00%	-	0	-	-	-
3	1,620.1	1,675.0	0	-	0.00%	-	0	-	-	-
4	1,675.1	1,750.0	0	-	0.00%	-	0	-	-	-
5	1,750.1	1,889.0	0	-	0.00%	-	0	-	-	-
6	1,889.1	1,900.0	0	-	0.00%	-	0	-	-	-
7	1,900.1	1,975.0	0	-	0.00%	-	0	-	-	-
8	1,975.1	2,050.0	0	-	0.00%	-	0	-	-	-
9	2,050.1	2,160.0	0	-	0.00%	-	0	-	-	-
10	2,160.1	2,200.0	0	-	0.00%	-	0	-	-	-
11	2,200.1	2,275.0	0	-	0.00%	-	0	-	-	-
12	2,275.1	2,359.0	0	-	0.00%	-	0	-	-	-
13	2,359.1	2,425.0	0	-	0.00%	-	0	-	-	-
14	2,425.1	2,500.0	0	-	0.00%	-	0	-	-	-
15	2,500.1	2,575.0	0	-	0.00%	-	0	-	-	-
16	2,575.1	2,650.0	0	-	0.00%	-	0	-	-	-
17	2,650.1	2,725.0	0	-	0.00%	-	0	-	-	-
18	2,725.1	2,800.0	0	-	0.00%	-	0	-	-	-
19	2,800.1	2,875.0	0	-	0.00%	-	0	-	-	-
20	2,875.1	2,950.0	0	-	0.00%	-	0	-	-	-
21	2,950.1	3,055.0	0	-	0.00%	-	0	-	-	-
22	3,055.1	3,100.0	0	-	0.00%	-	0	-	-	-
23	3,100.1	3,175.0	0	-	0.00%	-	0	-	-	-
24	3,175.1	3,250.0	0	-	0.00%	-	0	-	-	-
25	3,250.1	3,325.0	0	-	0.00%	-	0	-	-	-
26	3,325.1	3,400.0	0	-	0.00%	-	0	-	-	-
27	3,400.1	3,475.0	0	-	0.00%	-	0	-	-	-
28	3,475.1	3,550.0	0	-	0.00%	-	0	-	-	-
29	3,550.1	3,625.0	0	-	0.00%	-	0	-	-	-
30	3,625.1	3,700.0	0	-	0.00%	-	0	-	-	-
31	3,700.1	3,775.0	0	-	0.00%	-	0	-	-	-
32	3,775.1	3,817.0	0	-	0.00%	-	0	-	-	-
33	3,817.1	3,925.0	0	-	0.00%	-	0	-	-	-
34	3,925.1	4,000.0	0	-	0.00%	-	0	-	-	-
35	4,000.1	4,250.0	0	-	0.00%	-	0	-	-	-
36	4,250.1	4,500.0	0	-	0.00%	-	0	-	-	-
37	4,500.1	4,750.0	0	-	0.00%	-	0	-	-	-
38	4,750.1	5,000.0	0	-	0.00%	-	0	-	-	-
39	5,000.1	5,250.0	0	-	0.00%	-	0	-	-	-
40	5,250.1	5,500.0	0	-	0.00%	-	0	-	-	-
41	5,500.1	5,750.0	0	-	0.00%	-	0	-	-	-
42	5,750.1	6,000.0	0	-	0.00%	-	0	-	-	-
43	6,000.1	6,250.0	0	-	0.00%	-	0	-	-	-
44	6,250.1	6,500.0	0	-	0.00%	-	0	-	-	-
45	6,500.1	6,750.0	0	-	0.00%	-	0	-	-	-
46	6,750.1	7,000.0	0	-	0.00%	-	0	-	-	-
47	7,000.1	7,250.0	0	-	0.00%	-	0	-	-	-
48	7,250.1	7,500.0	0	-	0.00%	-	0	-	-	-
49	7,500.1	7,750.0	0	-	0.00%	-	0	-	-	-
50	7,750.1	8,000.0	0	-	0.00%	-	0	-	-	-
51	8,000.1	8,250.0	0	-	0.00%	-	0	-	-	-
52	8,250.1	8,500.0	0	-	0.00%	-	0	-	-	-
53	8,500.1	8,750.0	0	-	0.00%	-	0	-	-	-
54	8,750.1	9,000.0	0	-	0.00%	-	0	-	-	-
55	9,000.1	9,750.0	0	-	0.00%	-	0	-	-	-

(Continued)

Meter Size:		8 - Inch
Class:		Industrial
Bill Count File:		0
Basic Service Charge:	$	1,006.10
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

ARIZONA WATER COMPANY
Test Year Ended December 31, 2010
Bill Count

Winkelman

Line No.	[A] Block (M Gal) From	[B] To	[C] Bills: Number of Bills by Block	[D] No. Up to & Including Block	[E] % of Total	[F] Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Cum. Use of Bills Stopping in Block	[I] Total Use to Block of all Bills Through Block	[J] Cumulative Billed Usage
1	9,750.1	10,500.0	0	-	0.00%	-	0	-	-	-
2	10,500.1	11,250.0	0	-	0.00%	-	0	-	-	-
3	11,250.1	12,000.0	0	-	0.00%	-	0	-	-	-
4	12,000.1	12,750.0	0	-	0.00%	-	0	-	-	-
5	12,750.1	13,500.0	0	-	0.00%	-	0	-	-	-
6	13,500.1	14,250.0	0	-	0.00%	-	0	-	-	-
7	14,250.1	15,000.0	0	-	0.00%	-	0	-	-	-
8	15,000.1	17,500.0	0	-	0.00%	-	0	-	-	-
9	17,500.1	20,000.0	0	-	0.00%	-	0	-	-	-
10	20,000.1	22,500.0	0	-	0.00%	-	0	-	-	-
11	22,500.1	25,000.0	0	-	0.00%	-	0	-	-	-
12	25,000.1	27,500.0	0	-	0.00%	-	0	-	-	-
13	27,500.1	30,000.0	0	-	0.00%	-	0	-	-	-
14	30,000.1	32,500.0	0	-	0.00%	-	0	-	-	-
15	32,500.1	35,000.0	0	-	0.00%	-	0	-	-	-
16	35,000.1	37,500.0	0	-	0.00%	-	0	-	-	-
17	37,500.1	40,000.0	0	-	0.00%	-	0	-	-	-
18	40,000.1	99,999.0	0	-	0.00%	-	0	-	-	-
19										
20	Total Bills/Use:		-	-	0.00%	-	-	-		-

(Continued)

Meter Size:		8 - Inch
Class:		Industrial
Bill Count File:		0
Basic Service Charge:	$	1,006.10
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

Total Test Year Usage & Revenues at Test Year Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Total Test Year Usage & Revenues at Proposed Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	-	-	0.00%	-	-	-	-	-
2	0.1	10.0	-	-	0.00%	-	-	-	-	-
3	10.1	25.0	-	-	0.00%	-	-	-	-	-
4	25.1	50.0	-	-	0.00%	-	-	-	-	-
5	50.1	75.0	-	-	0.00%	-	-	-	-	-
6	75.1	100.0	-	-	0.00%	-	-	-	-	-
7	100.1	125.0	-	-	0.00%	-	-	-	-	-
8	125.1	150.0	-	-	0.00%	-	-	-	-	-
9	150.1	175.0	-	-	0.00%	-	-	-	-	-
10	175.1	200.0	-	-	0.00%	-	-	-	-	-
11	200.1	225.0	-	-	0.00%	-	-	-	-	-
12	225.1	250.0	-	-	0.00%	-	-	-	-	-
13	250.1	275.0	-	-	0.00%	-	-	-	-	-
14	275.1	300.0	-	-	0.00%	-	-	-	-	-
15	300.1	325.0	-	-	0.00%	-	-	-	-	-
16	325.1	350.0	-	-	0.00%	-	-	-	-	-
17	350.1	375.0	-	-	0.00%	-	-	-	-	-
18	375.1	400.0	-	-	0.00%	-	-	-	-	-
19	400.1	425.0	-	-	0.00%	-	-	-	-	-
20	425.1	450.0	-	-	0.00%	-	-	-	-	-
21	450.1	475.0	-	-	0.00%	-	-	-	-	-
22	475.1	500.0	-	-	0.00%	-	-	-	-	-
23	500.1	525.0	-	-	0.00%	-	-	-	-	-
24	525.1	550.0	-	-	0.00%	-	-	-	-	-
25	550.1	567.0	-	-	0.00%	-	-	-	-	-
26	567.1	600.0	-	-	0.00%	-	-	-	-	-
27	600.1	625.0	-	-	0.00%	-	-	-	-	-
28	625.1	650.0	-	-	0.00%	-	-	-	-	-
29	650.1	675.0	-	-	0.00%	-	-	-	-	-
30	675.1	700.0	-	-	0.00%	-	-	-	-	-
31	700.1	725.0	-	-	0.00%	-	-	-	-	-
32	725.1	750.0	-	-	0.00%	-	-	-	-	-
33	750.1	775.0	-	-	0.00%	-	-	-	-	-
34	775.1	800.0	-	-	0.00%	-	-	-	-	-
35	800.1	825.0	-	-	0.00%	-	-	-	-	-
36	825.1	850.0	-	-	0.00%	-	-	-	-	-
37	850.1	875.0	-	-	0.00%	-	-	-	-	-
38	875.1	900.0	-	-	0.00%	-	-	-	-	-
39	900.1	921.0	-	-	0.00%	-	-	-	-	-
40	921.1	925.0	-	-	0.00%	-	-	-	-	-
41	925.1	950.0	-	-	0.00%	-	-	-	-	-
42	950.1	975.0	-	-	0.00%	-	-	-	-	-
43	975.1	1,000.0	-	-	0.00%	-	-	-	-	-
44	1,000.1	1,025.0	-	-	0.00%	-	-	-	-	-
45	1,025.1	1,050.0	-	-	0.00%	-	-	-	-	-
46	1,050.1	1,080.0	-	-	0.00%	-	-	-	-	-
47	1,080.1	1,100.0	-	-	0.00%	-	-	-	-	-
48	1,100.1	1,125.0	-	-	0.00%	-	-	-	-	-
49	1,125.1	1,150.0	-	-	0.00%	-	-	-	-	-
50	1,150.1	1,175.0	-	-	0.00%	-	-	-	-	-
51	1,175.1	1,200.0	-	-	0.00%	-	-	-	-	-
52	1,200.1	1,225.0	-	-	0.00%	-	-	-	-	-
53	1,225.1	1,250.0	-	-	0.00%	-	-	-	-	-
54	1,250.1	1,275.0	-	-	0.00%	-	-	-	-	-
55	1,275.1	1,300.0	-	-	0.00%	-	-	-	-	-

Meter Size:		10 - Inch
Class:		Industrial
Basic Service Charge:	$	1,446.27
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	1,300.1	1,310.0	-	-	0.00%	-	-	-	-	-
2	1,310.1	1,325.0	-	-	0.00%	-	-	-	-	-
3	1,325.1	1,342.0	-	-	0.00%	-	-	-	-	-
4	1,342.1	1,375.0	-	-	0.00%	-	-	-	-	-
5	1,375.1	1,400.0	-	-	0.00%	-	-	-	-	-
6	1,400.1	1,425.0	-	-	0.00%	-	-	-	-	-
7	1,425.1	1,450.0	-	-	0.00%	-	-	-	-	-
8	1,450.1	1,475.0	-	-	0.00%	-	-	-	-	-
9	1,475.1	1,500.0	-	-	0.00%	-	-	-	-	-
10	1,500.1	1,525.0	-	-	0.00%	-	-	-	-	-
11	1,525.1	1,541.0	-	-	0.00%	-	-	-	-	-
12	1,541.1	1,575.0	-	-	0.00%	-	-	-	-	-
13	1,575.1	1,600.0	-	-	0.00%	-	-	-	-	-
14	1,600.1	1,620.0	-	-	0.00%	-	-	-	-	-
15	1,620.1	1,625.0	-	-	0.00%	-	-	-	-	-
16	1,625.1	1,650.0	-	-	0.00%	-	-	-	-	-
17	1,650.1	1,675.0	-	-	0.00%	-	-	-	-	-
18	1,675.1	1,700.0	-	-	0.00%	-	-	-	-	-
19	1,700.1	1,725.0	-	-	0.00%	-	-	-	-	-
20	1,725.1	1,750.0	-	-	0.00%	-	-	-	-	-
21	1,750.1	1,783.0	-	-	0.00%	-	-	-	-	-
22	1,783.1	1,800.0	-	-	0.00%	-	-	-	-	-
23	1,800.1	1,825.0	-	-	0.00%	-	-	-	-	-
24	1,825.1	1,850.0	-	-	0.00%	-	-	-	-	-
25	1,850.1	1,875.0	-	-	0.00%	-	-	-	-	-
26	1,875.1	1,900.0	-	-	0.00%	-	-	-	-	-
27	1,900.1	1,925.0	-	-	0.00%	-	-	-	-	-
28	1,925.1	1,940.0	-	-	0.00%	-	-	-	-	-
29	1,940.1	2,000.0	-	-	0.00%	-	-	-	-	-
30	2,000.1	2,050.0	-	-	0.00%	-	-	-	-	-
31	2,050.1	2,100.0	-	-	0.00%	-	-	-	-	-
32	2,100.1	2,150.0	-	-	0.00%	-	-	-	-	-
33	2,150.1	2,160.0	-	-	0.00%	-	-	-	-	-
34	2,160.1	2,223.0	-	-	0.00%	-	-	-	-	-
35	2,223.1	2,225.0	-	-	0.00%	-	-	-	-	-
36	2,225.1	2,262.0	-	-	0.00%	-	-	-	-	-
37	2,262.1	2,264.0	-	-	0.00%	-	-	-	-	-
38	2,264.1	2,341.0	-	-	0.00%	-	-	-	-	-
39	2,341.1	2,390.0	-	-	0.00%	-	-	-	-	-
40	2,390.1	2,500.0	-	-	0.00%	-	-	-	-	-
41	2,500.1	2,550.0	-	-	0.00%	-	-	-	-	-
42	2,550.1	2,600.0	-	-	0.00%	-	-	-	-	-
43	2,600.1	2,647.0	-	-	0.00%	-	-	-	-	-
44	2,647.1	2,700.0	-	-	0.00%	-	-	-	-	-
45	2,700.1	2,800.0	-	-	0.00%	-	-	-	-	-
46	2,800.1	2,900.0	-	-	0.00%	-	-	-	-	-
47	2,900.1	3,000.0	-	-	0.00%	-	-	-	-	-
48	3,000.1	3,100.0	-	-	0.00%	-	-	-	-	-
49	3,100.1	3,200.0	-	-	0.00%	-	-	-	-	-
50	3,200.1	3,300.0	-	-	0.00%	-	-	-	-	-
51	3,300.1	3,400.0	-	-	0.00%	-	-	-	-	-
52	3,400.1	3,500.0	-	-	0.00%	-	-	-	-	-
53	3,500.1	3,600.0	-	-	0.00%	-	-	-	-	-
54	3,600.1	3,700.0	-	-	0.00%	-	-	-	-	-
55	3,700.1	3,800.0	-	-	0.00%	-	-	-	-	-

(Continued)

Meter Size:		10 - Inch
Class:		Industrial
Bill Count File:		0
Basic Service Charge:	$	1,446.27
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	3,800.1	3,900.0	-	-	0.00%	-	-	-	-	-
2	3,900.1	4,000.0	-	-	0.00%	-	-	-	-	-
3	4,000.1	4,100.0	-	-	0.00%	-	-	-	-	-
4	4,100.1	4,200.0	-	-	0.00%	-	-	-	-	-
5	4,200.1	4,300.0	-	-	0.00%	-	-	-	-	-
6	4,300.1	4,416.0	-	-	0.00%	-	-	-	-	-
7	4,416.1	4,500.0	-	-	0.00%	-	-	-	-	-
8	4,500.1	5,024.0	-	-	0.00%	-	-	-	-	-
9	5,024.1	5,518.0	-	-	0.00%	-	-	-	-	-
10	5,518.1	6,000.0	-	-	0.00%	-	-	-	-	-
11	6,000.1	6,500.0	-	-	0.00%	-	-	-	-	-
12	6,500.1	7,292.0	-	-	0.00%	-	-	-	-	-
13	7,292.1	7,500.0	-	-	0.00%	-	-	-	-	-
14	7,500.1	8,000.0	-	-	0.00%	-	-	-	-	-
15	8,000.1	8,500.0	-	-	0.00%	-	-	-	-	-
16	8,500.1	9,000.0	-	-	0.00%	-	-	-	-	-
17	9,000.1	9,500.0	-	-	0.00%	-	-	-	-	-
18	9,500.1	99,999.0	-	-	0.00%	-	-	-	-	-
19										
20	Total Bills/Use:		-	-	0.00%	-	-	-		-

(Continued)

Meter Size:		10 - Inch
Class:		Industrial
Bill Count File:		0
Basic Service Charge:	$	1,446.27
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

Total Test Year Usage & Revenues at Test Year Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Total Test Year Usage & Revenues at Proposed Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1										
2	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
3										
4										
5										

6 Meter Size: All Sizes
7 Class: Private Fire Service
8
9 Test Year Basic Service Charge: $ 22.83 Per Month (all meter connection sizes)
10
11
12 Proposed Basic Service Charge: $ 27.00 all connection sizes
13
14
15 Number of Bills: -
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31

Total Test Year Usage & Revenues at Test Year Rates

	Average Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Rate Tier Two	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Rate Tier Three	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Totals	-	-	n/a	n/a	n/a	$ -	$ -

Total Test Year Usage & Revenues at Proposed Rates

	Average Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Rate Tier Two	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Rate Tier Three	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Totals	-	-	n/a	n/a	n/a	$ -	$ -

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1										
2	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
3										
4										
5										
6	Meter Size:		All Sizes							
7	Class:		Other - Public Fire Hydrant							
8										
9	Test Year Basic Service Charge:		No Monthly Fee							
10										
11	Proposed Basic Service Charge:		No Monthly Fee							
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										

Total Test Year Usage & Revenues at Test Year Rates

	Average Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
23							
24							
25							
26							
27							
28 Rate Tier One	n/a	n/a	n/a	n/a	n/a	n/a	n/a
29 Rate Tier Two	n/a	n/a	n/a	n/a	n/a	n/a	n/a
30 Rate Tier Three	n/a	n/a	n/a	n/a	n/a	n/a	n/a
31 Totals	-	-	n/a	n/a	n/a	$ -	$ -
32							
33							
34							
35							
36							
37							
38							
39							

Total Test Year Usage & Revenues at Proposed Rates

	Average Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
40							
41							
42							
43							
44							
45 Rate Tier One	n/a	n/a	n/a	n/a	n/a	n/a	n/a
46 Rate Tier Two	n/a	n/a	n/a	n/a	n/a	n/a	n/a
47 Rate Tier Three	n/a	n/a	n/a	n/a	n/a	n/a	n/a
48 Totals	-	-	n/a	n/a	n/a	$ -	$ -
49							
50							
51							
52							
53							
54							
55							

ARIZONA WATER COMPANY
Test Year Ended December 31, 2010
Bill Count

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1										
2	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
3										
4										
5										

6 Meter Size: N/A
7 Class: Coin Machine
8
9 Test Year Basic Service Charge: n/a
10
11
12
13 Proposed Basic Service Charge: n/a $ -
14 n/a $ -
15 -
16
17
18
19

Total Test Year Usage & Revenues at Test Year Rates

	Average Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Rate Tier Two	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Rate Tier Three	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Totals	-	-	n/a	-	n/a	$ -	$ -

Total Test Year Usage & Revenues at Proposed Rates

	Average Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Rate Tier Two	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Rate Tier Three	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Totals	-	-	n/a	-	n/a	$ -	$ -

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	0	-	0.00%	-	0	-	-	-
2	0.1	5.0	0	-	0.00%	-	0	-	-	-
3	5.1	10.0	0	-	0.00%	-	0	-	-	-
4	10.1	15.0	0	-	0.00%	-	0	-	-	-
5	15.1	20.0	0	-	0.00%	-	0	-	-	-
6	20.1	25.0	0	-	0.00%	-	0	-	-	-
7	25.1	30.0	0	-	0.00%	-	0	-	-	-
8	30.1	35.0	0	-	0.00%	-	0	-	-	-
9	35.1	40.0	0	-	0.00%	-	0	-	-	-
10	40.1	45.0	0	-	0.00%	-	0	-	-	-
11	45.1	50.0	0	-	0.00%	-	0	-	-	-
12	50.1	55.0	0	-	0.00%	-	0	-	-	-
13	55.1	60.0	0	-	0.00%	-	0	-	-	-
14	60.1	65.0	0	-	0.00%	-	0	-	-	-
15	65.1	70.0	0	-	0.00%	-	0	-	-	-
16	70.1	74.0	0	-	0.00%	-	0	-	-	-
17	74.1	75.0	0	-	0.00%	-	0	-	-	-
18	75.1	80.0	0	-	0.00%	-	0	-	-	-
19	80.1	85.0	0	-	0.00%	-	0	-	-	-
20	85.1	90.0	0	-	0.00%	-	0	-	-	-
21	90.1	95.0	0	-	0.00%	-	0	-	-	-
22	95.1	100.0	0	-	0.00%	-	0	-	-	-
23	100.1	110.0	0	-	0.00%	-	0	-	-	-
24	110.1	125.0	0	-	0.00%	-	0	-	-	-
25	125.1	130.0	0	-	0.00%	-	0	-	-	-
26	130.1	139.0	0	-	0.00%	-	0	-	-	-
27	139.1	150.0	0	-	0.00%	-	0	-	-	-
28	150.1	160.0	0	-	0.00%	-	0	-	-	-
29	160.1	170.0	0	-	0.00%	-	0	-	-	-
30	170.1	183.0	0	-	0.00%	-	0	-	-	-
31	183.1	190.0	0	-	0.00%	-	0	-	-	-
32	190.1	200.0	0	-	0.00%	-	0	-	-	-
33	200.1	210.0	0	-	0.00%	-	0	-	-	-
34	210.1	220.0	0	-	0.00%	-	0	-	-	-
35	220.1	230.0	0	-	0.00%	-	0	-	-	-
36	230.1	240.0	0	-	0.00%	-	0	-	-	-
37	240.1	250.0	0	-	0.00%	-	0	-	-	-
38	250.1	258.0	0	-	0.00%	-	0	-	-	-
39	258.1	260.0	0	-	0.00%	-	0	-	-	-
40	260.1	270.0	0	-	0.00%	-	0	-	-	-
41	270.1	275.0	0	-	0.00%	-	0	-	-	-
42	275.1	280.0	0	-	0.00%	-	0	-	-	-
43	280.1	289.0	0	-	0.00%	-	0	-	-	-
44	289.1	290.0	0	-	0.00%	-	0	-	-	-
45	290.1	296.0	0	-	0.00%	-	0	-	-	-
46	296.1	298.0	0	-	0.00%	-	0	-	-	-
47	298.1	299.0	0	-	0.00%	-	0	-	-	-
48	299.1	303.0	0	-	0.00%	-	0	-	-	-
49	303.1	316.0	0	-	0.00%	-	0	-	-	-
50	316.1	325.0	0	-	0.00%	-	0	-	-	-
51	325.1	350.0	0	-	0.00%	-	0	-	-	-
52	350.1	375.0	0	-	0.00%	-	0	-	-	-
53	375.1	400.0	0	-	0.00%	-	0	-	-	-
54	400.1	401.0	0	-	0.00%	-	0	-	-	-
55	401.1	410.0	0	-	0.00%	-	0	-	-	-

Meter Size:		2-Inch
Class:		Construction
Basic Service Charge:	$	118.73
Tier One Breakover (M Gal):		125
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	410.1	420.0	0	-	0.00%	-	0	-	-	-
2	420.1	425.0	0	-	0.00%	-	0	-	-	-
3	425.1	450.0	0	-	0.00%	-	0	-	-	-
4	450.1	475.0	0	-	0.00%	-	0	-	-	-
5	475.1	500.0	0	-	0.00%	-	0	-	-	-
6	500.1	525.0	0	-	0.00%	-	0	-	-	-
7	525.1	550.0	0	-	0.00%	-	0	-	-	-
8	550.1	552.0	0	-	0.00%	-	0	-	-	-
9	552.1	568.0	0	-	0.00%	-	0	-	-	-
10	568.1	575.0	0	-	0.00%	-	0	-	-	-
11	575.1	600.0	0	-	0.00%	-	0	-	-	-
12	600.1	625.0	0	-	0.00%	-	0	-	-	-
13	625.1	650.0	0	-	0.00%	-	0	-	-	-
14	650.1	667.0	0	-	0.00%	-	0	-	-	-
15	667.1	675.0	0	-	0.00%	-	0	-	-	-
16	675.1	700.0	0	-	0.00%	-	0	-	-	-
17	700.1	750.0	0	-	0.00%	-	0	-	-	-
18	750.1	800.0	0	-	0.00%	-	0	-	-	-
19	800.1	850.0	0	-	0.00%	-	0	-	-	-
20	850.1	900.0	0	-	0.00%	-	0	-	-	-
21	900.1	950.0	0	-	0.00%	-	0	-	-	-
22	950.1	1,000.0	0	-	0.00%	-	0	-	-	-
23	1,000.1	1,050.0	0	-	0.00%	-	0	-	-	-
24	1,050.1	1,100.0	0	-	0.00%	-	0	-	-	-
25	1,100.1	1,150.0	0	-	0.00%	-	0	-	-	-
26	1,150.1	1,200.0	0	-	0.00%	-	0	-	-	-
27	1,200.1	1,250.0	0	-	0.00%	-	0	-	-	-
28	1,250.1	1,300.0	0	-	0.00%	-	0	-	-	-
29	1,300.1	1,350.0	0	-	0.00%	-	0	-	-	-
30	1,350.1	1,400.0	0	-	0.00%	-	0	-	-	-
31	1,400.1	1,450.0	0	-	0.00%	-	0	-	-	-
32	1,450.1	1,500.0	0	-	0.00%	-	0	-	-	-
33	1,500.1	1,550.0	0	-	0.00%	-	0	-	-	-
34	1,550.1	1,600.0	0	-	0.00%	-	0	-	-	-
35	1,600.1	1,650.0	0	-	0.00%	-	0	-	-	-
36	1,650.1	1,700.0	0	-	0.00%	-	0	-	-	-
37	1,700.1	1,750.0	0	-	0.00%	-	0	-	-	-
38	1,750.1	1,800.0	0	-	0.00%	-	0	-	-	-
39	1,800.1	1,850.0	0	-	0.00%	-	0	-	-	-
40	1,850.1	1,900.0	0	-	0.00%	-	0	-	-	-
41	1,900.1	1,950.0	0	-	0.00%	-	0	-	-	-
42	1,950.1	2,000.0	0	-	0.00%	-	0	-	-	-
43	2,000.1	2,100.0	0	-	0.00%	-	0	-	-	-
44	2,100.1	2,200.0	0	-	0.00%	-	0	-	-	-
45	2,200.1	2,300.0	0	-	0.00%	-	0	-	-	-
46	2,300.1	2,400.0	0	-	0.00%	-	0	-	-	-
47	2,400.1	2,500.0	0	-	0.00%	-	0	-	-	-
48	2,500.1	2,600.0	0	-	0.00%	-	0	-	-	-
49	2,600.1	2,700.0	0	-	0.00%	-	0	-	-	-
50	2,700.1	2,800.0	0	-	0.00%	-	0	-	-	-
51	2,800.1	2,900.0	0	-	0.00%	-	0	-	-	-
52	2,900.1	3,000.0	0	-	0.00%	-	0	-	-	-
53	3,000.1	3,100.0	0	-	0.00%	-	0	-	-	-
54	3,100.1	3,200.0	0	-	0.00%	-	0	-	-	-
55	3,200.1	3,300.0	0	-	0.00%	-	0	-	-	-

(Continued)

Meter Size:		2-Inch
Class:		Construction
Bill Count File:		0
Basic Service Charge:	$	118.73
Tier One Breakover (M Gal):		125
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

ARIZONA WATER COMPANY
Test Year Ended December 31, 2010
Bill Count

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	3,300.1	3,400.0	0	-	0.00%	-	0	-	-	-
2	3,400.1	3,500.0	0	-	0.00%	-	0	-	-	-
3	3,500.1	3,600.0	0	-	0.00%	-	0	-	-	-
4	3,600.1	3,700.0	0	-	0.00%	-	0	-	-	-
5	3,700.1	3,800.0	0	-	0.00%	-	0	-	-	-
6	3,800.1	3,900.0	0	-	0.00%	-	0	-	-	-
7	3,900.1	4,000.0	0	-	0.00%	-	0	-	-	-
8	4,000.1	4,100.0	0	-	0.00%	-	0	-	-	-
9	4,100.1	4,200.0	0	-	0.00%	-	0	-	-	-
10	4,200.1	4,300.0	0	-	0.00%	-	0	-	-	-
11	4,300.1	4,400.0	0	-	0.00%	-	0	-	-	-
12	4,400.1	4,500.0	0	-	0.00%	-	0	-	-	-
13	4,500.1	4,600.0	0	-	0.00%	-	0	-	-	-
14	4,600.1	4,700.0	0	-	0.00%	-	0	-	-	-
15	4,700.1	4,800.0	0	-	0.00%	-	0	-	-	-
16	4,800.1	4,900.0	0	-	0.00%	-	0	-	-	-
17	4,900.1	5,000.0	0	-	0.00%	-	0	-	-	-
18	5,000.1	99,999.0	-	-	0.00%	-	-	-	-	-
19										
20	Total Bills/Use:		-	-	0.00%	-	-	-		-

(Continued)

Meter Size:		2-Inch
Class:		Construction
Bill Count File:		0
Basic Service Charge:	$	118.73
Tier One Breakover (M Gal):		125
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Total Test Year Usage & Revenues at Test Year Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Total Test Year Usage & Revenues at Proposed Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	0	-	0.00%	-	0	-	-	-
2	0.1	5.0	0	-	0.00%	-	0	-	-	-
3	5.1	10.0	0	-	0.00%	-	0	-	-	-
4	10.1	15.0	0	-	0.00%	-	0	-	-	-
5	15.1	20.0	0	-	0.00%	-	0	-	-	-
6	20.1	25.0	0	-	0.00%	-	0	-	-	-
7	25.1	30.0	0	-	0.00%	-	0	-	-	-
8	30.1	35.0	0	-	0.00%	-	0	-	-	-
9	35.1	40.0	0	-	0.00%	-	0	-	-	-
10	40.1	45.0	0	-	0.00%	-	0	-	-	-
11	45.1	50.0	0	-	0.00%	-	0	-	-	-
12	50.1	55.0	0	-	0.00%	-	0	-	-	-
13	55.1	60.0	0	-	0.00%	-	0	-	-	-
14	60.1	65.0	0	-	0.00%	-	0	-	-	-
15	65.1	70.0	0	-	0.00%	-	0	-	-	-
16	70.1	74.0	0	-	0.00%	-	0	-	-	-
17	74.1	75.0	0	-	0.00%	-	0	-	-	-
18	75.1	80.0	0	-	0.00%	-	0	-	-	-
19	80.1	85.0	0	-	0.00%	-	0	-	-	-
20	85.1	90.0	0	-	0.00%	-	0	-	-	-
21	90.1	100.0	0	-	0.00%	-	0	-	-	-
22	100.1	110.0	0	-	0.00%	-	0	-	-	-
23	110.1	125.0	0	-	0.00%	-	0	-	-	-
24	125.1	130.0	0	-	0.00%	-	0	-	-	-
25	130.1	139.0	0	-	0.00%	-	0	-	-	-
26	139.1	150.0	0	-	0.00%	-	0	-	-	-
27	150.1	160.0	0	-	0.00%	-	0	-	-	-
28	160.1	165.0	0	-	0.00%	-	0	-	-	-
29	165.1	170.0	0	-	0.00%	-	0	-	-	-
30	170.1	175.0	0	-	0.00%	-	0	-	-	-
31	175.1	190.0	0	-	0.00%	-	0	-	-	-
32	190.1	200.0	0	-	0.00%	-	0	-	-	-
33	200.1	210.0	0	-	0.00%	-	0	-	-	-
34	210.1	220.0	0	-	0.00%	-	0	-	-	-
35	220.1	230.0	0	-	0.00%	-	0	-	-	-
36	230.1	240.0	0	-	0.00%	-	0	-	-	-
37	240.1	250.0	0	-	0.00%	-	0	-	-	-
38	250.1	258.0	0	-	0.00%	-	0	-	-	-
39	258.1	260.0	0	-	0.00%	-	0	-	-	-
40	260.1	270.0	0	-	0.00%	-	0	-	-	-
41	270.1	275.0	0	-	0.00%	-	0	-	-	-
42	275.1	280.0	0	-	0.00%	-	0	-	-	-
43	280.1	289.0	0	-	0.00%	-	0	-	-	-
44	289.1	290.0	0	-	0.00%	-	0	-	-	-
45	290.1	296.0	0	-	0.00%	-	0	-	-	-
46	296.1	298.0	0	-	0.00%	-	0	-	-	-
47	298.1	299.0	0	-	0.00%	-	0	-	-	-
48	299.1	303.0	0	-	0.00%	-	0	-	-	-
49	303.1	316.0	0	-	0.00%	-	0	-	-	-
50	316.1	325.0	0	-	0.00%	-	0	-	-	-
51	325.1	350.0	0	-	0.00%	-	0	-	-	-
52	350.1	375.0	0	-	0.00%	-	0	-	-	-
53	375.1	400.0	0	-	0.00%	-	0	-	-	-
54	400.1	401.0	0	-	0.00%	-	0	-	-	-
55	401.1	410.0	0	-	0.00%	-	0	-	-	-

Meter Size:		3 - Inch
Class:		Construction
Basic Service Charge:	$	237.46
Tier One Breakover (M Gal):		325
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	410.1	420.0	0	-	0.00%	-	0	-	-	-
2	420.1	425.0	0	-	0.00%	-	0	-	-	-
3	425.1	450.0	0	-	0.00%	-	0	-	-	-
4	450.1	475.0	0	-	0.00%	-	0	-	-	-
5	475.1	500.0	0	-	0.00%	-	0	-	-	-
6	500.1	525.0	0	-	0.00%	-	0	-	-	-
7	525.1	550.0	0	-	0.00%	-	0	-	-	-
8	550.1	552.0	0	-	0.00%	-	0	-	-	-
9	552.1	568.0	0	-	0.00%	-	0	-	-	-
10	568.1	575.0	0	-	0.00%	-	0	-	-	-
11	575.1	600.0	0	-	0.00%	-	0	-	-	-
12	600.1	625.0	0	-	0.00%	-	0	-	-	-
13	625.1	650.0	0	-	0.00%	-	0	-	-	-
14	650.1	667.0	0	-	0.00%	-	0	-	-	-
15	667.1	675.0	0	-	0.00%	-	0	-	-	-
16	675.1	700.0	0	-	0.00%	-	0	-	-	-
17	700.1	750.0	0	-	0.00%	-	0	-	-	-
18	750.1	800.0	0	-	0.00%	-	0	-	-	-
19	800.1	850.0	0	-	0.00%	-	0	-	-	-
20	850.1	900.0	0	-	0.00%	-	0	-	-	-
21	900.1	950.0	0	-	0.00%	-	0	-	-	-
22	950.1	1,000.0	0	-	0.00%	-	0	-	-	-
23	1,000.1	1,050.0	0	-	0.00%	-	0	-	-	-
24	1,050.1	1,100.0	0	-	0.00%	-	0	-	-	-
25	1,100.1	1,150.0	0	-	0.00%	-	0	-	-	-
26	1,150.1	1,200.0	0	-	0.00%	-	0	-	-	-
27	1,200.1	1,250.0	0	-	0.00%	-	0	-	-	-
28	1,250.1	1,300.0	0	-	0.00%	-	0	-	-	-
29	1,300.1	1,350.0	0	-	0.00%	-	0	-	-	-
30	1,350.1	1,400.0	0	-	0.00%	-	0	-	-	-
31	1,400.1	1,450.0	0	-	0.00%	-	0	-	-	-
32	1,450.1	1,500.0	0	-	0.00%	-	0	-	-	-
33	1,500.1	1,550.0	0	-	0.00%	-	0	-	-	-
34	1,550.1	1,600.0	0	-	0.00%	-	0	-	-	-
35	1,600.1	1,650.0	0	-	0.00%	-	0	-	-	-
36	1,650.1	1,700.0	0	-	0.00%	-	0	-	-	-
37	1,700.1	1,750.0	0	-	0.00%	-	0	-	-	-
38	1,750.1	1,800.0	0	-	0.00%	-	0	-	-	-
39	1,800.1	1,850.0	0	-	0.00%	-	0	-	-	-
40	1,850.1	1,900.0	0	-	0.00%	-	0	-	-	-
41	1,900.1	1,950.0	0	-	0.00%	-	0	-	-	-
42	1,950.1	2,000.0	0	-	0.00%	-	0	-	-	-
43	2,000.1	2,100.0	0	-	0.00%	-	0	-	-	-
44	2,100.1	2,200.0	0	-	0.00%	-	0	-	-	-
45	2,200.1	2,300.0	0	-	0.00%	-	0	-	-	-
46	2,300.1	2,400.0	0	-	0.00%	-	0	-	-	-
47	2,400.1	2,500.0	0	-	0.00%	-	0	-	-	-
48	2,500.1	2,600.0	0	-	0.00%	-	0	-	-	-
49	2,600.1	2,700.0	0	-	0.00%	-	0	-	-	-
50	2,700.1	2,800.0	0	-	0.00%	-	0	-	-	-
51	2,800.1	2,900.0	0	-	0.00%	-	0	-	-	-
52	2,900.1	3,000.0	0	-	0.00%	-	0	-	-	-
53	3,000.1	3,100.0	0	-	0.00%	-	0	-	-	-
54	3,100.1	3,200.0	0	-	0.00%	-	0	-	-	-
55	3,200.1	3,300.0	0	-	0.00%	-	0	-	-	-

(Continued)

Meter Size:		3 - Inch
Class:		Construction
Bill Count File:		0
Basic Service Charge:	$	237.46
Tier One Breakover (M Gal):		325
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

ARIZONA WATER COMPANY
Test Year Ended December 31, 2010
Bill Count

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	3,300.1	3,400.0	0	-	0.00%	-	0	-	-	-
2	3,400.1	3,500.0	0	-	0.00%	-	0	-	-	-
3	3,500.1	3,600.0	0	-	0.00%	-	0	-	-	-
4	3,600.1	3,700.0	0	-	0.00%	-	0	-	-	-
5	3,700.1	3,800.0	0	-	0.00%	-	0	-	-	-
6	3,800.1	3,900.0	0	-	0.00%	-	0	-	-	-
7	3,900.1	4,000.0	0	-	0.00%	-	0	-	-	-
8	4,000.1	4,100.0	0	-	0.00%	-	0	-	-	-
9	4,100.1	4,200.0	0	-	0.00%	-	0	-	-	-
10	4,200.1	4,300.0	0	-	0.00%	-	0	-	-	-
11	4,300.1	4,400.0	0	-	0.00%	-	0	-	-	-
12	4,400.1	4,500.0	0	-	0.00%	-	0	-	-	-
13	4,500.1	4,600.0	0	-	0.00%	-	0	-	-	-
14	4,600.1	4,700.0	0	-	0.00%	-	0	-	-	-
15	4,700.1	4,800.0	0	-	0.00%	-	0	-	-	-
16	4,800.1	4,900.0	0	-	0.00%	-	0	-	-	-
17	4,900.1	5,000.0	0	-	0.00%	-	0	-	-	-
18	5,000.1	99,999.0	0	-	0.00%	-	0	-	-	-
19										
20	Total Bills/Use:		-	-	0.00%	-	-	-		-
21										
22										
23										

Total Test Year Usage & Revenues at Test Year Rates

Line No.		Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
24								
25								
26								
27	Rate Tier One				-	$ -		
28	Rate Tier Two				-	-		
29	Rate Tier Three				-	-		
30	Totals	-	-	-	-	$ -	$ -	$ -
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								
41								
42								
43								

Total Test Year Usage & Revenues at Proposed Rates

Line No.		Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
44								
45								
46								
47	Rate Tier One				-	$ -		
48	Rate Tier Two				-	-		
49	Rate Tier Three				-	-		
50	Totals	-	-	-	-	$ -	$ -	$ -
51								
52								
53								
54								
55								

(Continued)

Meter Size:		3 - Inch
Class:		Construction
Bill Count File:		0
Basic Service Charge:	$	237.46
Tier One Breakover (M Gal):		325
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	0	-	0.00%	-	0	-	-	-
2	0.1	5.0	0	-	0.00%	-	0	-	-	-
3	5.1	10.0	0	-	0.00%	-	0	-	-	-
4	10.1	15.0	0	-	0.00%	-	0	-	-	-
5	15.1	20.0	0	-	0.00%	-	0	-	-	-
6	20.1	25.0	0	-	0.00%	-	0	-	-	-
7	25.1	30.0	0	-	0.00%	-	0	-	-	-
8	30.1	35.0	0	-	0.00%	-	0	-	-	-
9	35.1	40.0	0	-	0.00%	-	0	-	-	-
10	40.1	45.0	0	-	0.00%	-	0	-	-	-
11	45.1	50.0	0	-	0.00%	-	0	-	-	-
12	50.1	55.0	0	-	0.00%	-	0	-	-	-
13	55.1	60.0	0	-	0.00%	-	0	-	-	-
14	60.1	65.0	0	-	0.00%	-	0	-	-	-
15	65.1	70.0	0	-	0.00%	-	0	-	-	-
16	70.1	75.0	0	-	0.00%	-	0	-	-	-
17	75.1	80.0	0	-	0.00%	-	0	-	-	-
18	80.1	85.0	0	-	0.00%	-	0	-	-	-
19	85.1	90.0	0	-	0.00%	-	0	-	-	-
20	90.1	100.0	0	-	0.00%	-	0	-	-	-
21	100.1	110.0	0	-	0.00%	-	0	-	-	-
22	110.1	125.0	0	-	0.00%	-	0	-	-	-
23	125.1	130.0	0	-	0.00%	-	0	-	-	-
24	130.1	140.0	0	-	0.00%	-	0	-	-	-
25	140.1	150.0	0	-	0.00%	-	0	-	-	-
26	150.1	160.0	0	-	0.00%	-	0	-	-	-
27	160.1	165.0	0	-	0.00%	-	0	-	-	-
28	165.1	170.0	0	-	0.00%	-	0	-	-	-
29	170.1	175.0	0	-	0.00%	-	0	-	-	-
30	175.1	190.0	0	-	0.00%	-	0	-	-	-
31	190.1	200.0	0	-	0.00%	-	0	-	-	-
32	200.1	210.0	0	-	0.00%	-	0	-	-	-
33	210.1	220.0	0	-	0.00%	-	0	-	-	-
34	220.1	230.0	0	-	0.00%	-	0	-	-	-
35	230.1	240.0	0	-	0.00%	-	0	-	-	-
36	240.1	250.0	0	-	0.00%	-	0	-	-	-
37	250.1	260.0	0	-	0.00%	-	0	-	-	-
38	260.1	270.0	0	-	0.00%	-	0	-	-	-
39	270.1	275.0	0	-	0.00%	-	0	-	-	-
40	275.1	280.0	0	-	0.00%	-	0	-	-	-
41	280.1	290.0	0	-	0.00%	-	0	-	-	-
42	290.1	303.0	0	-	0.00%	-	0	-	-	-
43	303.1	325.0	0	-	0.00%	-	0	-	-	-
44	325.1	340.0	0	-	0.00%	-	0	-	-	-
45	340.1	350.0	0	-	0.00%	-	0	-	-	-
46	350.1	375.0	0	-	0.00%	-	0	-	-	-
47	375.1	400.0	0	-	0.00%	-	0	-	-	-
48	400.1	410.0	0	-	0.00%	-	0	-	-	-
49	410.1	420.0	0	-	0.00%	-	0	-	-	-
50	420.1	425.0	0	-	0.00%	-	0	-	-	-
51	425.1	450.0	0	-	0.00%	-	0	-	-	-
52	450.1	474.0	0	-	0.00%	-	0	-	-	-
53	474.1	475.0	0	-	0.00%	-	0	-	-	-
54	475.1	487.0	0	-	0.00%	-	0	-	-	-
55	487.1	493.0	0	-	0.00%	-	0	-	-	-

Meter Size:		4-Inch
Class:		Construction
Basic Service Charge:	$	371.03
Tier One Breakover (M Gal):		500
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Winkelman

Line No.	[A] Block (M Gal) From	[B] To	[C] Bills: Number of Bills by Block	[D] No. Up to & Including Block	[E] % of Total	[F] Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Cum. Use of Bills Stopping in Block	[I] Total Use to Block of all Bills Through Block	[J] Cumulative Billed Usage
1	493.1	494.0	0	-	0.00%	-	0	-	-	-
2	494.1	500.0	0	-	0.00%	-	0	-	-	-
3	500.1	525.0	0	-	0.00%	-	0	-	-	-
4	525.1	550.0	0	-	0.00%	-	0	-	-	-
5	550.1	575.0	0	-	0.00%	-	0	-	-	-
6	575.1	600.0	0	-	0.00%	-	0	-	-	-
7	600.1	625.0	0	-	0.00%	-	0	-	-	-
8	625.1	650.0	0	-	0.00%	-	0	-	-	-
9	650.1	667.0	0	-	0.00%	-	0	-	-	-
10	667.1	675.0	0	-	0.00%	-	0	-	-	-
11	675.1	700.0	0	-	0.00%	-	0	-	-	-
12	700.1	750.0	0	-	0.00%	-	0	-	-	-
13	750.1	800.0	0	-	0.00%	-	0	-	-	-
14	800.1	850.0	0	-	0.00%	-	0	-	-	-
15	850.1	900.0	0	-	0.00%	-	0	-	-	-
16	900.1	917.0	0	-	0.00%	-	0	-	-	-
17	917.1	950.0	0	-	0.00%	-	0	-	-	-
18	950.1	1,000.0	0	-	0.00%	-	0	-	-	-
19	1,000.1	1,050.0	0	-	0.00%	-	0	-	-	-
20	1,050.1	1,062.0	0	-	0.00%	-	0	-	-	-
21	1,062.1	1,100.0	0	-	0.00%	-	0	-	-	-
22	1,100.1	1,145.0	0	-	0.00%	-	0	-	-	-
23	1,145.1	1,150.0	0	-	0.00%	-	0	-	-	-
24	1,150.1	1,195.0	0	-	0.00%	-	0	-	-	-
25	1,195.1	1,200.0	0	-	0.00%	-	0	-	-	-
26	1,200.1	1,250.0	0	-	0.00%	-	0	-	-	-
27	1,250.1	1,300.0	0	-	0.00%	-	0	-	-	-
28	1,300.1	1,350.0	0	-	0.00%	-	0	-	-	-
29	1,350.1	1,400.0	0	-	0.00%	-	0	-	-	-
30	1,400.1	1,450.0	0	-	0.00%	-	0	-	-	-
31	1,450.1	1,500.0	0	-	0.00%	-	0	-	-	-
32	1,500.1	1,550.0	0	-	0.00%	-	0	-	-	-
33	1,550.1	1,600.0	0	-	0.00%	-	0	-	-	-
34	1,600.1	1,650.0	0	-	0.00%	-	0	-	-	-
35	1,650.1	1,700.0	0	-	0.00%	-	0	-	-	-
36	1,700.1	1,750.0	0	-	0.00%	-	0	-	-	-
37	1,750.1	1,800.0	0	-	0.00%	-	0	-	-	-
38	1,800.1	1,850.0	0	-	0.00%	-	0	-	-	-
39	1,850.1	1,900.0	0	-	0.00%	-	0	-	-	-
40	1,900.1	1,950.0	0	-	0.00%	-	0	-	-	-
41	1,950.1	2,000.0	0	-	0.00%	-	0	-	-	-
42	2,000.1	2,100.0	0	-	0.00%	-	0	-	-	-
43	2,100.1	2,200.0	0	-	0.00%	-	0	-	-	-
44	2,200.1	2,300.0	0	-	0.00%	-	0	-	-	-
45	2,300.1	2,400.0	0	-	0.00%	-	0	-	-	-
46	2,400.1	2,500.0	0	-	0.00%	-	0	-	-	-
47	2,500.1	2,600.0	0	-	0.00%	-	0	-	-	-
48	2,600.1	2,700.0	0	-	0.00%	-	0	-	-	-
49	2,700.1	2,800.0	0	-	0.00%	-	0	-	-	-
50	2,800.1	2,900.0	0	-	0.00%	-	0	-	-	-
51	2,900.1	3,000.0	0	-	0.00%	-	0	-	-	-
52	3,000.1	3,100.0	0	-	0.00%	-	0	-	-	-
53	3,100.1	3,200.0	0	-	0.00%	-	0	-	-	-
54	3,200.1	3,300.0	0	-	0.00%	-	0	-	-	-
55	3,300.1	3,400.0	0	-	0.00%	-	0	-	-	-

(Continued)

Meter Size:		4-Inch
Class:		Construction
Bill Count File:		0
Basic Service Charge:	$	371.03
Tier One Breakover (M Gal):		500
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

ARIZONA WATER COMPANY
Test Year Ended December 31, 2010
Bill Count

Winkelman

Line No.	[A] Block (M Gal) From	[B] To	[C] Bills: Number of Bills by Block	[D] No. Up to & Including Block	[E] % of Total	[F] Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Cum. Use of Bills Stopping in Block	[I] Total Use to Block of all Bills Through Block	[J] Cumulative Billed Usage
1	3,400.1	3,500.0	0	-	0.00%	-	0	-	-	-
2	3,500.1	3,517.0	0	-	0.00%	-	0	-	-	-
3	3,517.1	3,600.0	0	-	0.00%	-	0	-	-	-
4	3,600.1	3,700.0	0	-	0.00%	-	0	-	-	-
5	3,700.1	3,800.0	0	-	0.00%	-	0	-	-	-
6	3,800.1	3,900.0	0	-	0.00%	-	0	-	-	-
7	3,900.1	4,000.0	0	-	0.00%	-	0	-	-	-
8	4,000.1	4,100.0	0	-	0.00%	-	0	-	-	-
9	4,100.1	4,200.0	0	-	0.00%	-	0	-	-	-
10	4,200.1	4,300.0	0	-	0.00%	-	0	-	-	-
11	4,300.1	4,400.0	0	-	0.00%	-	0	-	-	-
12	4,400.1	4,500.0	0	-	0.00%	-	0	-	-	-
13	4,500.1	4,600.0	0	-	0.00%	-	0	-	-	-
14	4,600.1	4,700.0	0	-	0.00%	-	0	-	-	-
15	4,700.1	4,800.0	0	-	0.00%	-	0	-	-	-
16	4,800.1	4,900.0	0	-	0.00%	-	0	-	-	-
17	4,900.1	5,000.0	0	-	0.00%	-	0	-	-	-
18	5,000.1	99,999.0	0	-	0.00%	-	0	-	-	-
19										
20	Total Bills/Use:		-	-	0.00%	-	-	-		-
21										

(Continued)

Meter Size:		4-Inch
Class:		Construction
Bill Count File:		0
Basic Service Charge:	$	371.03
Tier One Breakover (M Gal):		500
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	1.8074
Tier Two Rate:	$	2.2595
Tier Three Rate:	$	2.2595

Total Test Year Usage & Revenues at Test Year Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Total Test Year Usage & Revenues at Proposed Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	0	-	0.00%	-	0	-	-	-
2	0.1	5.0	0	-	0.00%	-	0	-	-	-
3	5.1	10.0	0	-	0.00%	-	0	-	-	-
4	10.1	15.0	0	-	0.00%	-	0	-	-	-
5	15.1	20.0	0	-	0.00%	-	0	-	-	-
6	20.1	25.0	0	-	0.00%	-	0	-	-	-
7	25.1	30.0	0	-	0.00%	-	0	-	-	-
8	30.1	35.0	0	-	0.00%	-	0	-	-	-
9	35.1	40.0	0	-	0.00%	-	0	-	-	-
10	40.1	45.0	0	-	0.00%	-	0	-	-	-
11	45.1	50.0	0	-	0.00%	-	0	-	-	-
12	50.1	55.0	0	-	0.00%	-	0	-	-	-
13	55.1	60.0	0	-	0.00%	-	0	-	-	-
14	60.1	65.0	0	-	0.00%	-	0	-	-	-
15	65.1	70.0	0	-	0.00%	-	0	-	-	-
16	70.1	74.0	0	-	0.00%	-	0	-	-	-
17	74.1	75.0	0	-	0.00%	-	0	-	-	-
18	75.1	80.0	0	-	0.00%	-	0	-	-	-
19	80.1	85.0	0	-	0.00%	-	0	-	-	-
20	85.1	90.0	0	-	0.00%	-	0	-	-	-
21	90.1	95.0	0	-	0.00%	-	0	-	-	-
22	95.1	100.0	0	-	0.00%	-	0	-	-	-
23	100.1	110.0	0	-	0.00%	-	0	-	-	-
24	110.1	125.0	0	-	0.00%	-	0	-	-	-
25	125.1	130.0	0	-	0.00%	-	0	-	-	-
26	130.1	139.0	0	-	0.00%	-	0	-	-	-
27	139.1	150.0	0	-	0.00%	-	0	-	-	-
28	150.1	160.0	0	-	0.00%	-	0	-	-	-
29	160.1	170.0	0	-	0.00%	-	0	-	-	-
30	170.1	183.0	0	-	0.00%	-	0	-	-	-
31	183.1	190.0	0	-	0.00%	-	0	-	-	-
32	190.1	200.0	0	-	0.00%	-	0	-	-	-
33	200.1	210.0	0	-	0.00%	-	0	-	-	-
34	210.1	220.0	0	-	0.00%	-	0	-	-	-
35	220.1	230.0	0	-	0.00%	-	0	-	-	-
36	230.1	240.0	0	-	0.00%	-	0	-	-	-
37	240.1	250.0	0	-	0.00%	-	0	-	-	-
38	250.1	258.0	0	-	0.00%	-	0	-	-	-
39	258.1	260.0	0	-	0.00%	-	0	-	-	-
40	260.1	270.0	0	-	0.00%	-	0	-	-	-
41	270.1	275.0	0	-	0.00%	-	0	-	-	-
42	275.1	280.0	0	-	0.00%	-	0	-	-	-
43	280.1	289.0	0	-	0.00%	-	0	-	-	-
44	289.1	290.0	0	-	0.00%	-	0	-	-	-
45	290.1	296.0	0	-	0.00%	-	0	-	-	-
46	296.1	298.0	0	-	0.00%	-	0	-	-	-
47	298.1	299.0	0	-	0.00%	-	0	-	-	-
48	299.1	303.0	0	-	0.00%	-	0	-	-	-
49	303.1	316.0	0	-	0.00%	-	0	-	-	-
50	316.1	325.0	0	-	0.00%	-	0	-	-	-
51	325.1	350.0	0	-	0.00%	-	0	-	-	-
52	350.1	375.0	0	-	0.00%	-	0	-	-	-
53	375.1	400.0	0	-	0.00%	-	0	-	-	-
54	400.1	401.0	0	-	0.00%	-	0	-	-	-
55	401.1	410.0	0	-	0.00%	-	0	-	-	-

Meter Size:		5/8-Inch
Class:		Sale for Resale
Basic Service Charge:	$	14.84
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	410.1	420.0	0	-	0.00%	-	0	-	-	-
2	420.1	425.0	0	-	0.00%	-	0	-	-	-
3	425.1	450.0	0	-	0.00%	-	0	-	-	-
4	450.1	475.0	0	-	0.00%	-	0	-	-	-
5	475.1	500.0	0	-	0.00%	-	0	-	-	-
6	500.1	525.0	0	-	0.00%	-	0	-	-	-
7	525.1	550.0	0	-	0.00%	-	0	-	-	-
8	550.1	552.0	0	-	0.00%	-	0	-	-	-
9	552.1	568.0	0	-	0.00%	-	0	-	-	-
10	568.1	575.0	0	-	0.00%	-	0	-	-	-
11	575.1	600.0	0	-	0.00%	-	0	-	-	-
12	600.1	625.0	0	-	0.00%	-	0	-	-	-
13	625.1	650.0	0	-	0.00%	-	0	-	-	-
14	650.1	667.0	0	-	0.00%	-	0	-	-	-
15	667.1	675.0	0	-	0.00%	-	0	-	-	-
16	675.1	700.0	0	-	0.00%	-	0	-	-	-
17	700.1	750.0	0	-	0.00%	-	0	-	-	-
18	750.1	800.0	0	-	0.00%	-	0	-	-	-
19	800.1	850.0	0	-	0.00%	-	0	-	-	-
20	850.1	900.0	0	-	0.00%	-	0	-	-	-
21	900.1	950.0	0	-	0.00%	-	0	-	-	-
22	950.1	1,000.0	0	-	0.00%	-	0	-	-	-
23	1,000.1	1,050.0	0	-	0.00%	-	0	-	-	-
24	1,050.1	1,100.0	0	-	0.00%	-	0	-	-	-
25	1,100.1	1,150.0	0	-	0.00%	-	0	-	-	-
26	1,150.1	1,200.0	0	-	0.00%	-	0	-	-	-
27	1,200.1	1,250.0	0	-	0.00%	-	0	-	-	-
28	1,250.1	1,300.0	0	-	0.00%	-	0	-	-	-
29	1,300.1	1,350.0	0	-	0.00%	-	0	-	-	-
30	1,350.1	1,400.0	0	-	0.00%	-	0	-	-	-
31	1,400.1	1,450.0	0	-	0.00%	-	0	-	-	-
32	1,450.1	1,500.0	0	-	0.00%	-	0	-	-	-
33	1,500.1	1,550.0	0	-	0.00%	-	0	-	-	-
34	1,550.1	1,600.0	0	-	0.00%	-	0	-	-	-
35	1,600.1	1,650.0	0	-	0.00%	-	0	-	-	-
36	1,650.1	1,700.0	0	-	0.00%	-	0	-	-	-
37	1,700.1	1,750.0	0	-	0.00%	-	0	-	-	-
38	1,750.1	1,800.0	0	-	0.00%	-	0	-	-	-
39	1,800.1	1,850.0	0	-	0.00%	-	0	-	-	-
40	1,850.1	1,900.0	0	-	0.00%	-	0	-	-	-
41	1,900.1	1,950.0	0	-	0.00%	-	0	-	-	-
42	1,950.1	2,000.0	0	-	0.00%	-	0	-	-	-
43	2,000.1	2,100.0	0	-	0.00%	-	0	-	-	-
44	2,100.1	2,200.0	0	-	0.00%	-	0	-	-	-
45	2,200.1	2,300.0	0	-	0.00%	-	0	-	-	-
46	2,300.1	2,400.0	0	-	0.00%	-	0	-	-	-
47	2,400.1	2,500.0	0	-	0.00%	-	0	-	-	-
48	2,500.1	2,600.0	0	-	0.00%	-	0	-	-	-
49	2,600.1	2,700.0	0	-	0.00%	-	0	-	-	-
50	2,700.1	2,800.0	0	-	0.00%	-	0	-	-	-
51	2,800.1	2,900.0	0	-	0.00%	-	0	-	-	-
52	2,900.1	3,000.0	0	-	0.00%	-	0	-	-	-
53	3,000.1	3,100.0	0	-	0.00%	-	0	-	-	-
54	3,100.1	3,200.0	0	-	0.00%	-	0	-	-	-
55	3,200.1	3,300.0	0	-	0.00%	-	0	-	-	-

(Continued)

Meter Size:		5/8-Inch
Class:		Sale for Resale
Bill Count File:		0
Basic Service Charge:	$	14.84
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	3,300.1	3,400.0	0	-	0.00%	-	0	-	-	-
2	3,400.1	3,500.0	0	-	0.00%	-	0	-	-	-
3	3,500.1	3,600.0	0	-	0.00%	-	0	-	-	-
4	3,600.1	3,700.0	0	-	0.00%	-	0	-	-	-
5	3,700.1	3,800.0	0	-	0.00%	-	0	-	-	-
6	3,800.1	3,900.0	0	-	0.00%	-	0	-	-	-
7	3,900.1	4,000.0	0	-	0.00%	-	0	-	-	-
8	4,000.1	4,100.0	0	-	0.00%	-	0	-	-	-
9	4,100.1	4,200.0	0	-	0.00%	-	0	-	-	-
10	4,200.1	4,300.0	0	-	0.00%	-	0	-	-	-
11	4,300.1	4,400.0	0	-	0.00%	-	0	-	-	-
12	4,400.1	4,500.0	0	-	0.00%	-	0	-	-	-
13	4,500.1	4,600.0	0	-	0.00%	-	0	-	-	-
14	4,600.1	4,700.0	0	-	0.00%	-	0	-	-	-
15	4,700.1	4,800.0	0	-	0.00%	-	0	-	-	-
16	4,800.1	4,900.0	0	-	0.00%	-	0	-	-	-
17	4,900.1	5,000.0	0	-	0.00%	-	0	-	-	-
18	5,000.1	99,999.0	0	-	0.00%	-	0	-	-	-
19										
20	Total Bills/Use:		-	-	0.00%	-	-	-		-

(Continued)

Meter Size:		5/8-Inch
Class:		Sale for Resale
Bill Count File:		0
Basic Service Charge:	$	14.84
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

Total Test Year Usage & Revenues at Test Year Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Total Test Year Usage & Revenues at Proposed Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	0	-	0.00%	-	0	-	-	-
2	0.1	5.0	0	-	0.00%	-	0	-	-	-
3	5.1	10.0	0	-	0.00%	-	0	-	-	-
4	10.1	15.0	0	-	0.00%	-	0	-	-	-
5	15.1	20.0	0	-	0.00%	-	0	-	-	-
6	20.1	25.0	0	-	0.00%	-	0	-	-	-
7	25.1	30.0	0	-	0.00%	-	0	-	-	-
8	30.1	35.0	0	-	0.00%	-	0	-	-	-
9	35.1	40.0	0	-	0.00%	-	0	-	-	-
10	40.1	45.0	0	-	0.00%	-	0	-	-	-
11	45.1	50.0	0	-	0.00%	-	0	-	-	-
12	50.1	55.0	0	-	0.00%	-	0	-	-	-
13	55.1	60.0	0	-	0.00%	-	0	-	-	-
14	60.1	65.0	0	-	0.00%	-	0	-	-	-
15	65.1	70.0	0	-	0.00%	-	0	-	-	-
16	70.1	74.0	0	-	0.00%	-	0	-	-	-
17	74.1	75.0	0	-	0.00%	-	0	-	-	-
18	75.1	80.0	0	-	0.00%	-	0	-	-	-
19	80.1	85.0	0	-	0.00%	-	0	-	-	-
20	85.1	90.0	0	-	0.00%	-	0	-	-	-
21	90.1	95.0	0	-	0.00%	-	0	-	-	-
22	95.1	100.0	0	-	0.00%	-	0	-	-	-
23	100.1	110.0	0	-	0.00%	-	0	-	-	-
24	110.1	125.0	0	-	0.00%	-	0	-	-	-
25	125.1	130.0	0	-	0.00%	-	0	-	-	-
26	130.1	139.0	0	-	0.00%	-	0	-	-	-
27	139.1	150.0	0	-	0.00%	-	0	-	-	-
28	150.1	160.0	0	-	0.00%	-	0	-	-	-
29	160.1	170.0	0	-	0.00%	-	0	-	-	-
30	170.1	183.0	0	-	0.00%	-	0	-	-	-
31	183.1	190.0	0	-	0.00%	-	0	-	-	-
32	190.1	200.0	0	-	0.00%	-	0	-	-	-
33	200.1	210.0	0	-	0.00%	-	0	-	-	-
34	210.1	220.0	0	-	0.00%	-	0	-	-	-
35	220.1	230.0	0	-	0.00%	-	0	-	-	-
36	230.1	240.0	0	-	0.00%	-	0	-	-	-
37	240.1	250.0	0	-	0.00%	-	0	-	-	-
38	250.1	258.0	0	-	0.00%	-	0	-	-	-
39	258.1	260.0	0	-	0.00%	-	0	-	-	-
40	260.1	270.0	0	-	0.00%	-	0	-	-	-
41	270.1	275.0	0	-	0.00%	-	0	-	-	-
42	275.1	280.0	0	-	0.00%	-	0	-	-	-
43	280.1	289.0	0	-	0.00%	-	0	-	-	-
44	289.1	290.0	0	-	0.00%	-	0	-	-	-
45	290.1	296.0	0	-	0.00%	-	0	-	-	-
46	296.1	298.0	0	-	0.00%	-	0	-	-	-
47	298.1	299.0	0	-	0.00%	-	0	-	-	-
48	299.1	303.0	0	-	0.00%	-	0	-	-	-
49	303.1	316.0	0	-	0.00%	-	0	-	-	-
50	316.1	325.0	0	-	0.00%	-	0	-	-	-
51	325.1	350.0	0	-	0.00%	-	0	-	-	-
52	350.1	375.0	0	-	0.00%	-	0	-	-	-
53	375.1	400.0	0	-	0.00%	-	0	-	-	-
54	400.1	401.0	0	-	0.00%	-	0	-	-	-
55	401.1	410.0	0	-	0.00%	-	0	-	-	-

Meter Size:		1-Inch
Class:		Sale for Resale
Basic Service Charge:	$	37.10
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

ARIZONA WATER COMPANY
Test Year Ended December 31, 2010
Bill Count

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	410.1	420.0	0	-	0.00%	-	0	-	-	-
2	420.1	425.0	0	-	0.00%	-	0	-	-	-
3	425.1	450.0	0	-	0.00%	-	0	-	-	-
4	450.1	475.0	0	-	0.00%	-	0	-	-	-
5	475.1	500.0	0	-	0.00%	-	0	-	-	-
6	500.1	525.0	0	-	0.00%	-	0	-	-	-
7	525.1	550.0	0	-	0.00%	-	0	-	-	-
8	550.1	552.0	0	-	0.00%	-	0	-	-	-
9	552.1	568.0	0	-	0.00%	-	0	-	-	-
10	568.1	575.0	0	-	0.00%	-	0	-	-	-
11	575.1	600.0	0	-	0.00%	-	0	-	-	-
12	600.1	625.0	0	-	0.00%	-	0	-	-	-
13	625.1	650.0	0	-	0.00%	-	0	-	-	-
14	650.1	667.0	0	-	0.00%	-	0	-	-	-
15	667.1	675.0	0	-	0.00%	-	0	-	-	-
16	675.1	700.0	0	-	0.00%	-	0	-	-	-
17	700.1	750.0	0	-	0.00%	-	0	-	-	-
18	750.1	800.0	0	-	0.00%	-	0	-	-	-
19	800.1	850.0	0	-	0.00%	-	0	-	-	-
20	850.1	900.0	0	-	0.00%	-	0	-	-	-
21	900.1	950.0	0	-	0.00%	-	0	-	-	-
22	950.1	1,000.0	0	-	0.00%	-	0	-	-	-
23	1,000.1	1,050.0	0	-	0.00%	-	0	-	-	-
24	1,050.1	1,100.0	0	-	0.00%	-	0	-	-	-
25	1,100.1	1,150.0	0	-	0.00%	-	0	-	-	-
26	1,150.1	1,200.0	0	-	0.00%	-	0	-	-	-
27	1,200.1	1,250.0	0	-	0.00%	-	0	-	-	-
28	1,250.1	1,300.0	0	-	0.00%	-	0	-	-	-
29	1,300.1	1,350.0	0	-	0.00%	-	0	-	-	-
30	1,350.1	1,400.0	0	-	0.00%	-	0	-	-	-
31	1,400.1	1,450.0	0	-	0.00%	-	0	-	-	-
32	1,450.1	1,500.0	0	-	0.00%	-	0	-	-	-
33	1,500.1	1,550.0	0	-	0.00%	-	0	-	-	-
34	1,550.1	1,600.0	0	-	0.00%	-	0	-	-	-
35	1,600.1	1,650.0	0	-	0.00%	-	0	-	-	-
36	1,650.1	1,700.0	0	-	0.00%	-	0	-	-	-
37	1,700.1	1,750.0	0	-	0.00%	-	0	-	-	-
38	1,750.1	1,800.0	0	-	0.00%	-	0	-	-	-
39	1,800.1	1,850.0	0	-	0.00%	-	0	-	-	-
40	1,850.1	1,900.0	0	-	0.00%	-	0	-	-	-
41	1,900.1	1,950.0	0	-	0.00%	-	0	-	-	-
42	1,950.1	2,000.0	0	-	0.00%	-	0	-	-	-
43	2,000.1	2,100.0	0	-	0.00%	-	0	-	-	-
44	2,100.1	2,200.0	0	-	0.00%	-	0	-	-	-
45	2,200.1	2,300.0	0	-	0.00%	-	0	-	-	-
46	2,300.1	2,400.0	0	-	0.00%	-	0	-	-	-
47	2,400.1	2,500.0	0	-	0.00%	-	0	-	-	-
48	2,500.1	2,600.0	0	-	0.00%	-	0	-	-	-
49	2,600.1	2,700.0	0	-	0.00%	-	0	-	-	-
50	2,700.1	2,800.0	0	-	0.00%	-	0	-	-	-
51	2,800.1	2,900.0	0	-	0.00%	-	0	-	-	-
52	2,900.1	3,000.0	0	-	0.00%	-	0	-	-	-
53	3,000.1	3,100.0	0	-	0.00%	-	0	-	-	-
54	3,100.1	3,200.0	0	-	0.00%	-	0	-	-	-
55	3,200.1	3,300.0	0	-	0.00%	-	0	-	-	-

(Continued)

Meter Size:		1-Inch
Class:		Sale for Resale
Bill Count File:		0
Basic Service Charge:	$	37.10
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	3,300.1	3,400.0	0	-	0.00%	-	0	-	-	-
2	3,400.1	3,500.0	0	-	0.00%	-	0	-	-	-
3	3,500.1	3,600.0	0	-	0.00%	-	0	-	-	-
4	3,600.1	3,700.0	0	-	0.00%	-	0	-	-	-
5	3,700.1	3,800.0	0	-	0.00%	-	0	-	-	-
6	3,800.1	3,900.0	0	-	0.00%	-	0	-	-	-
7	3,900.1	4,000.0	0	-	0.00%	-	0	-	-	-
8	4,000.1	4,100.0	0	-	0.00%	-	0	-	-	-
9	4,100.1	4,200.0	0	-	0.00%	-	0	-	-	-
10	4,200.1	4,300.0	0	-	0.00%	-	0	-	-	-
11	4,300.1	4,400.0	0	-	0.00%	-	0	-	-	-
12	4,400.1	4,500.0	0	-	0.00%	-	0	-	-	-
13	4,500.1	4,600.0	0	-	0.00%	-	0	-	-	-
14	4,600.1	4,700.0	0	-	0.00%	-	0	-	-	-
15	4,700.1	4,800.0	0	-	0.00%	-	0	-	-	-
16	4,800.1	4,900.0	0	-	0.00%	-	0	-	-	-
17	4,900.1	5,000.0	0	-	0.00%	-	0	-	-	-
18	5,000.1	99,999.0	0	-	0.00%	-	0	-	-	-
19										
20	Total Bills/Use:		-	-	0.00%	-	-	-		-

(Continued)

Meter Size:		1-Inch
Class:		Sale for Resale
Bill Count File:		0
Basic Service Charge:	$	37.10
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

Total Test Year Usage & Revenues at Test Year Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Total Test Year Usage & Revenues at Proposed Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	0	-	0.00%	-	0	-	-	-
2	0.1	5.0	0	-	0.00%	-	0	-	-	-
3	5.1	10.0	0	-	0.00%	-	0	-	-	-
4	10.1	15.0	0	-	0.00%	-	0	-	-	-
5	15.1	20.0	0	-	0.00%	-	0	-	-	-
6	20.1	25.0	0	-	0.00%	-	0	-	-	-
7	25.1	30.0	0	-	0.00%	-	0	-	-	-
8	30.1	35.0	0	-	0.00%	-	0	-	-	-
9	35.1	40.0	0	-	0.00%	-	0	-	-	-
10	40.1	45.0	0	-	0.00%	-	0	-	-	-
11	45.1	50.0	0	-	0.00%	-	0	-	-	-
12	50.1	55.0	0	-	0.00%	-	0	-	-	-
13	55.1	60.0	0	-	0.00%	-	0	-	-	-
14	60.1	65.0	0	-	0.00%	-	0	-	-	-
15	65.1	70.0	0	-	0.00%	-	0	-	-	-
16	70.1	74.0	0	-	0.00%	-	0	-	-	-
17	74.1	75.0	0	-	0.00%	-	0	-	-	-
18	75.1	80.0	0	-	0.00%	-	0	-	-	-
19	80.1	85.0	0	-	0.00%	-	0	-	-	-
20	85.1	90.0	0	-	0.00%	-	0	-	-	-
21	90.1	95.0	0	-	0.00%	-	0	-	-	-
22	95.1	100.0	0	-	0.00%	-	0	-	-	-
23	100.1	110.0	0	-	0.00%	-	0	-	-	-
24	110.1	125.0	0	-	0.00%	-	0	-	-	-
25	125.1	130.0	0	-	0.00%	-	0	-	-	-
26	130.1	139.0	0	-	0.00%	-	0	-	-	-
27	139.1	150.0	0	-	0.00%	-	0	-	-	-
28	150.1	160.0	0	-	0.00%	-	0	-	-	-
29	160.1	170.0	0	-	0.00%	-	0	-	-	-
30	170.1	183.0	0	-	0.00%	-	0	-	-	-
31	183.1	190.0	0	-	0.00%	-	0	-	-	-
32	190.1	200.0	0	-	0.00%	-	0	-	-	-
33	200.1	210.0	0	-	0.00%	-	0	-	-	-
34	210.1	220.0	0	-	0.00%	-	0	-	-	-
35	220.1	230.0	0	-	0.00%	-	0	-	-	-
36	230.1	240.0	0	-	0.00%	-	0	-	-	-
37	240.1	250.0	0	-	0.00%	-	0	-	-	-
38	250.1	258.0	0	-	0.00%	-	0	-	-	-
39	258.1	260.0	0	-	0.00%	-	0	-	-	-
40	260.1	270.0	0	-	0.00%	-	0	-	-	-
41	270.1	275.0	0	-	0.00%	-	0	-	-	-
42	275.1	280.0	0	-	0.00%	-	0	-	-	-
43	280.1	289.0	0	-	0.00%	-	0	-	-	-
44	289.1	290.0	0	-	0.00%	-	0	-	-	-
45	290.1	296.0	0	-	0.00%	-	0	-	-	-
46	296.1	298.0	0	-	0.00%	-	0	-	-	-
47	298.1	299.0	0	-	0.00%	-	0	-	-	-
48	299.1	303.0	0	-	0.00%	-	0	-	-	-
49	303.1	316.0	0	-	0.00%	-	0	-	-	-
50	316.1	325.0	0	-	0.00%	-	0	-	-	-
51	325.1	350.0	0	-	0.00%	-	0	-	-	-
52	350.1	375.0	0	-	0.00%	-	0	-	-	-
53	375.1	400.0	0	-	0.00%	-	0	-	-	-
54	400.1	401.0	0	-	0.00%	-	0	-	-	-
55	401.1	410.0	0	-	0.00%	-	0	-	-	-

Meter Size:	1.5-Inch
Class:	Sale for Resale
Basic Service Charge:	n/a
Tier One Breakover (M Gal):	n/a
Tier Two Breakover (M Gal):	n/a
Tier Three Breakover (M Gal):	n/a
Tier One Rate:	n/a
Tier Two Rate:	n/a
Tier Three Rate:	n/a

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	410.1	420.0	0	-	0.00%	-	0	-	-	-
2	420.1	425.0	0	-	0.00%	-	0	-	-	-
3	425.1	450.0	0	-	0.00%	-	0	-	-	-
4	450.1	475.0	0	-	0.00%	-	0	-	-	-
5	475.1	500.0	0	-	0.00%	-	0	-	-	-
6	500.1	525.0	0	-	0.00%	-	0	-	-	-
7	525.1	550.0	0	-	0.00%	-	0	-	-	-
8	550.1	552.0	0	-	0.00%	-	0	-	-	-
9	552.1	568.0	0	-	0.00%	-	0	-	-	-
10	568.1	575.0	0	-	0.00%	-	0	-	-	-
11	575.1	600.0	0	-	0.00%	-	0	-	-	-
12	600.1	625.0	0	-	0.00%	-	0	-	-	-
13	625.1	650.0	0	-	0.00%	-	0	-	-	-
14	650.1	667.0	0	-	0.00%	-	0	-	-	-
15	667.1	675.0	0	-	0.00%	-	0	-	-	-
16	675.1	700.0	0	-	0.00%	-	0	-	-	-
17	700.1	750.0	0	-	0.00%	-	0	-	-	-
18	750.1	800.0	0	-	0.00%	-	0	-	-	-
19	800.1	850.0	0	-	0.00%	-	0	-	-	-
20	850.1	900.0	0	-	0.00%	-	0	-	-	-
21	900.1	950.0	0	-	0.00%	-	0	-	-	-
22	950.1	1,000.0	0	-	0.00%	-	0	-	-	-
23	1,000.1	1,050.0	0	-	0.00%	-	0	-	-	-
24	1,050.1	1,100.0	0	-	0.00%	-	0	-	-	-
25	1,100.1	1,150.0	0	-	0.00%	-	0	-	-	-
26	1,150.1	1,200.0	0	-	0.00%	-	0	-	-	-
27	1,200.1	1,250.0	0	-	0.00%	-	0	-	-	-
28	1,250.1	1,300.0	0	-	0.00%	-	0	-	-	-
29	1,300.1	1,350.0	0	-	0.00%	-	0	-	-	-
30	1,350.1	1,400.0	0	-	0.00%	-	0	-	-	-
31	1,400.1	1,450.0	0	-	0.00%	-	0	-	-	-
32	1,450.1	1,500.0	0	-	0.00%	-	0	-	-	-
33	1,500.1	1,550.0	0	-	0.00%	-	0	-	-	-
34	1,550.1	1,600.0	0	-	0.00%	-	0	-	-	-
35	1,600.1	1,650.0	0	-	0.00%	-	0	-	-	-
36	1,650.1	1,700.0	0	-	0.00%	-	0	-	-	-
37	1,700.1	1,750.0	0	-	0.00%	-	0	-	-	-
38	1,750.1	1,800.0	0	-	0.00%	-	0	-	-	-
39	1,800.1	1,850.0	0	-	0.00%	-	0	-	-	-
40	1,850.1	1,900.0	0	-	0.00%	-	0	-	-	-
41	1,900.1	1,950.0	0	-	0.00%	-	0	-	-	-
42	1,950.1	2,000.0	0	-	0.00%	-	0	-	-	-
43	2,000.1	2,100.0	0	-	0.00%	-	0	-	-	-
44	2,100.1	2,200.0	0	-	0.00%	-	0	-	-	-
45	2,200.1	2,300.0	0	-	0.00%	-	0	-	-	-
46	2,300.1	2,400.0	0	-	0.00%	-	0	-	-	-
47	2,400.1	2,500.0	0	-	0.00%	-	0	-	-	-
48	2,500.1	2,600.0	0	-	0.00%	-	0	-	-	-
49	2,600.1	2,700.0	0	-	0.00%	-	0	-	-	-
50	2,700.1	2,800.0	0	-	0.00%	-	0	-	-	-
51	2,800.1	2,900.0	0	-	0.00%	-	0	-	-	-
52	2,900.1	3,000.0	0	-	0.00%	-	0	-	-	-
53	3,000.1	3,100.0	0	-	0.00%	-	0	-	-	-
54	3,100.1	3,200.0	0	-	0.00%	-	0	-	-	-
55	3,200.1	3,300.0	0	-	0.00%	-	0	-	-	-

(Continued)

Meter Size:	1.5-Inch
Class:	Sale for Resale
Bill Count File:	0
Basic Service Charge:	n/a
Tier One Breakover (M Gal):	n/a
Tier Two Breakover (M Gal):	n/a
Tier Three Breakover (M Gal):	n/a
Tier One Rate:	n/a
Tier Two Rate:	n/a
Tier Three Rate:	n/a

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	3,300.1	3,400.0	0	-	0.00%	-	0	-	-	-
2	3,400.1	3,500.0	0	-	0.00%	-	0	-	-	-
3	3,500.1	3,600.0	0	-	0.00%	-	0	-	-	-
4	3,600.1	3,700.0	0	-	0.00%	-	0	-	-	-
5	3,700.1	3,800.0	0	-	0.00%	-	0	-	-	-
6	3,800.1	3,900.0	0	-	0.00%	-	0	-	-	-
7	3,900.1	4,000.0	0	-	0.00%	-	0	-	-	-
8	4,000.1	4,100.0	0	-	0.00%	-	0	-	-	-
9	4,100.1	4,200.0	0	-	0.00%	-	0	-	-	-
10	4,200.1	4,300.0	0	-	0.00%	-	0	-	-	-
11	4,300.1	4,400.0	0	-	0.00%	-	0	-	-	-
12	4,400.1	4,500.0	0	-	0.00%	-	0	-	-	-
13	4,500.1	4,600.0	0	-	0.00%	-	0	-	-	-
14	4,600.1	4,700.0	0	-	0.00%	-	0	-	-	-
15	4,700.1	4,800.0	0	-	0.00%	-	0	-	-	-
16	4,800.1	4,900.0	0	-	0.00%	-	0	-	-	-
17	4,900.1	5,000.0	0	-	0.00%	-	0	-	-	-
18	5,000.1	99,999.0	0	-	0.00%	-	0	-	-	-
19										
20	Total Bills/Use:		-	-	0.00%	-	-	-		-

(Continued)

Meter Size:	1.5-Inch
Class:	Sale for Resale
Bill Count File:	0
Basic Service Charge:	n/a
Tier One Breakover (M Gal):	n/a
Tier Two Breakover (M Gal):	n/a
Tier Three Breakover (M Gal):	n/a
Tier One Rate:	n/a
Tier Two Rate:	n/a
Tier Three Rate:	n/a

Total Test Year Usage & Revenues at Test Year Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Total Test Year Usage & Revenues at Proposed Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

ARIZONA WATER COMPANY
Test Year Ended December 31, 2010
Bill Count

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	0	-	0.00%	-	0	-	-	-
2	0.1	5.0	0	-	0.00%	-	0	-	-	-
3	5.1	10.0	0	-	0.00%	-	0	-	-	-
4	10.1	15.0	0	-	0.00%	-	0	-	-	-
5	15.1	20.0	0	-	0.00%	-	0	-	-	-
6	20.1	25.0	0	-	0.00%	-	0	-	-	-
7	25.1	30.0	0	-	0.00%	-	0	-	-	-
8	30.1	35.0	0	-	0.00%	-	0	-	-	-
9	35.1	40.0	0	-	0.00%	-	0	-	-	-
10	40.1	45.0	0	-	0.00%	-	0	-	-	-
11	45.1	50.0	0	-	0.00%	-	0	-	-	-
12	50.1	55.0	0	-	0.00%	-	0	-	-	-
13	55.1	60.0	0	-	0.00%	-	0	-	-	-
14	60.1	65.0	0	-	0.00%	-	0	-	-	-
15	65.1	70.0	0	-	0.00%	-	0	-	-	-
16	70.1	74.0	0	-	0.00%	-	0	-	-	-
17	74.1	75.0	0	-	0.00%	-	0	-	-	-
18	75.1	80.0	0	-	0.00%	-	0	-	-	-
19	80.1	85.0	0	-	0.00%	-	0	-	-	-
20	85.1	90.0	0	-	0.00%	-	0	-	-	-
21	90.1	95.0	0	-	0.00%	-	0	-	-	-
22	95.1	100.0	0	-	0.00%	-	0	-	-	-
23	100.1	110.0	0	-	0.00%	-	0	-	-	-
24	110.1	125.0	0	-	0.00%	-	0	-	-	-
25	125.1	130.0	0	-	0.00%	-	0	-	-	-
26	130.1	139.0	0	-	0.00%	-	0	-	-	-
27	139.1	150.0	0	-	0.00%	-	0	-	-	-
28	150.1	160.0	0	-	0.00%	-	0	-	-	-
29	160.1	170.0	0	-	0.00%	-	0	-	-	-
30	170.1	183.0	0	-	0.00%	-	0	-	-	-
31	183.1	190.0	0	-	0.00%	-	0	-	-	-
32	190.1	200.0	0	-	0.00%	-	0	-	-	-
33	200.1	210.0	0	-	0.00%	-	0	-	-	-
34	210.1	220.0	0	-	0.00%	-	0	-	-	-
35	220.1	230.0	0	-	0.00%	-	0	-	-	-
36	230.1	240.0	0	-	0.00%	-	0	-	-	-
37	240.1	250.0	0	-	0.00%	-	0	-	-	-
38	250.1	258.0	0	-	0.00%	-	0	-	-	-
39	258.1	260.0	0	-	0.00%	-	0	-	-	-
40	260.1	270.0	0	-	0.00%	-	0	-	-	-
41	270.1	275.0	0	-	0.00%	-	0	-	-	-
42	275.1	280.0	0	-	0.00%	-	0	-	-	-
43	280.1	289.0	0	-	0.00%	-	0	-	-	-
44	289.1	290.0	0	-	0.00%	-	0	-	-	-
45	290.1	296.0	0	-	0.00%	-	0	-	-	-
46	296.1	298.0	0	-	0.00%	-	0	-	-	-
47	298.1	299.0	0	-	0.00%	-	0	-	-	-
48	299.1	303.0	0	-	0.00%	-	0	-	-	-
49	303.1	316.0	0	-	0.00%	-	0	-	-	-
50	316.1	325.0	0	-	0.00%	-	0	-	-	-
51	325.1	350.0	0	-	0.00%	-	0	-	-	-
52	350.1	375.0	0	-	0.00%	-	0	-	-	-
53	375.1	400.0	0	-	0.00%	-	0	-	-	-
54	400.1	401.0	0	-	0.00%	-	0	-	-	-
55	401.1	410.0	0	-	0.00%	-	0	-	-	-

Meter Size:		2-Inch
Class:		Sale for Resale
Basic Service Charge:	$	118.73
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	410.1	420.0	0	-	0.00%	-	0	-	-	-
2	420.1	425.0	0	-	0.00%	-	0	-	-	-
3	425.1	450.0	0	-	0.00%	-	0	-	-	-
4	450.1	475.0	0	-	0.00%	-	0	-	-	-
5	475.1	500.0	0	-	0.00%	-	0	-	-	-
6	500.1	525.0	0	-	0.00%	-	0	-	-	-
7	525.1	550.0	0	-	0.00%	-	0	-	-	-
8	550.1	552.0	0	-	0.00%	-	0	-	-	-
9	552.1	568.0	0	-	0.00%	-	0	-	-	-
10	568.1	575.0	0	-	0.00%	-	0	-	-	-
11	575.1	600.0	0	-	0.00%	-	0	-	-	-
12	600.1	625.0	0	-	0.00%	-	0	-	-	-
13	625.1	650.0	0	-	0.00%	-	0	-	-	-
14	650.1	667.0	0	-	0.00%	-	0	-	-	-
15	667.1	675.0	0	-	0.00%	-	0	-	-	-
16	675.1	700.0	0	-	0.00%	-	0	-	-	-
17	700.1	750.0	0	-	0.00%	-	0	-	-	-
18	750.1	800.0	0	-	0.00%	-	0	-	-	-
19	800.1	850.0	0	-	0.00%	-	0	-	-	-
20	850.1	900.0	0	-	0.00%	-	0	-	-	-
21	900.1	950.0	0	-	0.00%	-	0	-	-	-
22	950.1	1,000.0	0	-	0.00%	-	0	-	-	-
23	1,000.1	1,050.0	0	-	0.00%	-	0	-	-	-
24	1,050.1	1,100.0	0	-	0.00%	-	0	-	-	-
25	1,100.1	1,150.0	0	-	0.00%	-	0	-	-	-
26	1,150.1	1,200.0	0	-	0.00%	-	0	-	-	-
27	1,200.1	1,250.0	0	-	0.00%	-	0	-	-	-
28	1,250.1	1,300.0	0	-	0.00%	-	0	-	-	-
29	1,300.1	1,350.0	0	-	0.00%	-	0	-	-	-
30	1,350.1	1,400.0	0	-	0.00%	-	0	-	-	-
31	1,400.1	1,450.0	0	-	0.00%	-	0	-	-	-
32	1,450.1	1,500.0	0	-	0.00%	-	0	-	-	-
33	1,500.1	1,550.0	0	-	0.00%	-	0	-	-	-
34	1,550.1	1,600.0	0	-	0.00%	-	0	-	-	-
35	1,600.1	1,650.0	0	-	0.00%	-	0	-	-	-
36	1,650.1	1,700.0	0	-	0.00%	-	0	-	-	-
37	1,700.1	1,750.0	0	-	0.00%	-	0	-	-	-
38	1,750.1	1,800.0	0	-	0.00%	-	0	-	-	-
39	1,800.1	1,850.0	0	-	0.00%	-	0	-	-	-
40	1,850.1	1,900.0	0	-	0.00%	-	0	-	-	-
41	1,900.1	1,950.0	0	-	0.00%	-	0	-	-	-
42	1,950.1	2,000.0	0	-	0.00%	-	0	-	-	-
43	2,000.1	2,100.0	0	-	0.00%	-	0	-	-	-
44	2,100.1	2,200.0	0	-	0.00%	-	0	-	-	-
45	2,200.1	2,300.0	0	-	0.00%	-	0	-	-	-
46	2,300.1	2,400.0	0	-	0.00%	-	0	-	-	-
47	2,400.1	2,500.0	0	-	0.00%	-	0	-	-	-
48	2,500.1	2,600.0	0	-	0.00%	-	0	-	-	-
49	2,600.1	2,700.0	0	-	0.00%	-	0	-	-	-
50	2,700.1	2,800.0	0	-	0.00%	-	0	-	-	-
51	2,800.1	2,900.0	0	-	0.00%	-	0	-	-	-
52	2,900.1	3,000.0	0	-	0.00%	-	0	-	-	-
53	3,000.1	3,100.0	0	-	0.00%	-	0	-	-	-
54	3,100.1	3,200.0	0	-	0.00%	-	0	-	-	-
55	3,200.1	3,300.0	0	-	0.00%	-	0	-	-	-

(Continued)

Meter Size:		2-Inch
Class:		Sale for Resale
Bill Count File:		0
Basic Service Charge:	$	118.73
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

ARIZONA WATER COMPANY
Test Year Ended December 31, 2010
Bill Count

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	3,300.1	3,400.0	0	-	0.00%	-	0	-	-	-
2	3,400.1	3,500.0	0	-	0.00%	-	0	-	-	-
3	3,500.1	3,600.0	0	-	0.00%	-	0	-	-	-
4	3,600.1	3,700.0	0	-	0.00%	-	0	-	-	-
5	3,700.1	3,800.0	0	-	0.00%	-	0	-	-	-
6	3,800.1	3,900.0	0	-	0.00%	-	0	-	-	-
7	3,900.1	4,000.0	0	-	0.00%	-	0	-	-	-
8	4,000.1	4,100.0	0	-	0.00%	-	0	-	-	-
9	4,100.1	4,200.0	0	-	0.00%	-	0	-	-	-
10	4,200.1	4,300.0	0	-	0.00%	-	0	-	-	-
11	4,300.1	4,400.0	0	-	0.00%	-	0	-	-	-
12	4,400.1	4,500.0	0	-	0.00%	-	0	-	-	-
13	4,500.1	4,600.0	0	-	0.00%	-	0	-	-	-
14	4,600.1	4,700.0	0	-	0.00%	-	0	-	-	-
15	4,700.1	4,800.0	0	-	0.00%	-	0	-	-	-
16	4,800.1	4,900.0	0	-	0.00%	-	0	-	-	-
17	4,900.1	5,000.0	0	-	0.00%	-	0	-	-	-
18	5,000.1	99,999.0	-	-	0.00%	-	-	-	-	-
19										
20	Total Bills/Use:		-	-	0.00%	-	-	-		-
21										
22										
23										

Total Test Year Usage & Revenues at Test Year Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Total Test Year Usage & Revenues at Proposed Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

(Continued)

Meter Size:		2-Inch
Class:		Sale for Resale
Bill Count File:		0
Basic Service Charge:	$	118.73
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	0	-	0.00%	-	0	-	-	-
2	0.1	5.0	0	-	0.00%	-	0	-	-	-
3	5.1	10.0	0	-	0.00%	-	0	-	-	-
4	10.1	15.0	0	-	0.00%	-	0	-	-	-
5	15.1	20.0	0	-	0.00%	-	0	-	-	-
6	20.1	25.0	0	-	0.00%	-	0	-	-	-
7	25.1	30.0	0	-	0.00%	-	0	-	-	-
8	30.1	35.0	0	-	0.00%	-	0	-	-	-
9	35.1	40.0	0	-	0.00%	-	0	-	-	-
10	40.1	45.0	0	-	0.00%	-	0	-	-	-
11	45.1	50.0	0	-	0.00%	-	0	-	-	-
12	50.1	55.0	0	-	0.00%	-	0	-	-	-
13	55.1	60.0	0	-	0.00%	-	0	-	-	-
14	60.1	65.0	0	-	0.00%	-	0	-	-	-
15	65.1	70.0	0	-	0.00%	-	0	-	-	-
16	70.1	74.0	0	-	0.00%	-	0	-	-	-
17	74.1	75.0	0	-	0.00%	-	0	-	-	-
18	75.1	80.0	0	-	0.00%	-	0	-	-	-
19	80.1	85.0	0	-	0.00%	-	0	-	-	-
20	85.1	90.0	0	-	0.00%	-	0	-	-	-
21	90.1	95.0	0	-	0.00%	-	0	-	-	-
22	95.1	100.0	0	-	0.00%	-	0	-	-	-
23	100.1	110.0	0	-	0.00%	-	0	-	-	-
24	110.1	125.0	0	-	0.00%	-	0	-	-	-
25	125.1	130.0	0	-	0.00%	-	0	-	-	-
26	130.1	139.0	0	-	0.00%	-	0	-	-	-
27	139.1	150.0	0	-	0.00%	-	0	-	-	-
28	150.1	160.0	0	-	0.00%	-	0	-	-	-
29	160.1	170.0	0	-	0.00%	-	0	-	-	-
30	170.1	183.0	0	-	0.00%	-	0	-	-	-
31	183.1	190.0	0	-	0.00%	-	0	-	-	-
32	190.1	200.0	0	-	0.00%	-	0	-	-	-
33	200.1	210.0	0	-	0.00%	-	0	-	-	-
34	210.1	220.0	0	-	0.00%	-	0	-	-	-
35	220.1	230.0	0	-	0.00%	-	0	-	-	-
36	230.1	240.0	0	-	0.00%	-	0	-	-	-
37	240.1	250.0	0	-	0.00%	-	0	-	-	-
38	250.1	258.0	0	-	0.00%	-	0	-	-	-
39	258.1	260.0	0	-	0.00%	-	0	-	-	-
40	260.1	270.0	0	-	0.00%	-	0	-	-	-
41	270.1	275.0	0	-	0.00%	-	0	-	-	-
42	275.1	280.0	0	-	0.00%	-	0	-	-	-
43	280.1	289.0	0	-	0.00%	-	0	-	-	-
44	289.1	290.0	0	-	0.00%	-	0	-	-	-
45	290.1	296.0	0	-	0.00%	-	0	-	-	-
46	296.1	298.0	0	-	0.00%	-	0	-	-	-
47	298.1	299.0	0	-	0.00%	-	0	-	-	-
48	299.1	303.0	0	-	0.00%	-	0	-	-	-
49	303.1	316.0	0	-	0.00%	-	0	-	-	-
50	316.1	325.0	0	-	0.00%	-	0	-	-	-
51	325.1	350.0	0	-	0.00%	-	0	-	-	-
52	350.1	375.0	0	-	0.00%	-	0	-	-	-
53	375.1	400.0	0	-	0.00%	-	0	-	-	-
54	400.1	401.0	0	-	0.00%	-	0	-	-	-
55	401.1	410.0	0	-	0.00%	-	0	-	-	-

Meter Size:		3-Inch
Class:		Sale for Resale
Basic Service Charge:	$	237.46
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	410.1	420.0	0	-	0.00%	-	0	-	-	-
2	420.1	425.0	0	-	0.00%	-	0	-	-	-
3	425.1	450.0	0	-	0.00%	-	0	-	-	-
4	450.1	475.0	0	-	0.00%	-	0	-	-	-
5	475.1	500.0	0	-	0.00%	-	0	-	-	-
6	500.1	525.0	0	-	0.00%	-	0	-	-	-
7	525.1	550.0	0	-	0.00%	-	0	-	-	-
8	550.1	552.0	0	-	0.00%	-	0	-	-	-
9	552.1	568.0	0	-	0.00%	-	0	-	-	-
10	568.1	575.0	0	-	0.00%	-	0	-	-	-
11	575.1	600.0	0	-	0.00%	-	0	-	-	-
12	600.1	625.0	0	-	0.00%	-	0	-	-	-
13	625.1	650.0	0	-	0.00%	-	0	-	-	-
14	650.1	667.0	0	-	0.00%	-	0	-	-	-
15	667.1	675.0	0	-	0.00%	-	0	-	-	-
16	675.1	700.0	0	-	0.00%	-	0	-	-	-
17	700.1	750.0	0	-	0.00%	-	0	-	-	-
18	750.1	800.0	0	-	0.00%	-	0	-	-	-
19	800.1	850.0	0	-	0.00%	-	0	-	-	-
20	850.1	900.0	0	-	0.00%	-	0	-	-	-
21	900.1	950.0	0	-	0.00%	-	0	-	-	-
22	950.1	1,000.0	0	-	0.00%	-	0	-	-	-
23	1,000.1	1,050.0	0	-	0.00%	-	0	-	-	-
24	1,050.1	1,100.0	0	-	0.00%	-	0	-	-	-
25	1,100.1	1,150.0	0	-	0.00%	-	0	-	-	-
26	1,150.1	1,200.0	0	-	0.00%	-	0	-	-	-
27	1,200.1	1,250.0	0	-	0.00%	-	0	-	-	-
28	1,250.1	1,300.0	0	-	0.00%	-	0	-	-	-
29	1,300.1	1,350.0	0	-	0.00%	-	0	-	-	-
30	1,350.1	1,400.0	0	-	0.00%	-	0	-	-	-
31	1,400.1	1,450.0	0	-	0.00%	-	0	-	-	-
32	1,450.1	1,500.0	0	-	0.00%	-	0	-	-	-
33	1,500.1	1,550.0	0	-	0.00%	-	0	-	-	-
34	1,550.1	1,600.0	0	-	0.00%	-	0	-	-	-
35	1,600.1	1,650.0	0	-	0.00%	-	0	-	-	-
36	1,650.1	1,700.0	0	-	0.00%	-	0	-	-	-
37	1,700.1	1,750.0	0	-	0.00%	-	0	-	-	-
38	1,750.1	1,800.0	0	-	0.00%	-	0	-	-	-
39	1,800.1	1,850.0	0	-	0.00%	-	0	-	-	-
40	1,850.1	1,900.0	0	-	0.00%	-	0	-	-	-
41	1,900.1	1,950.0	0	-	0.00%	-	0	-	-	-
42	1,950.1	2,000.0	0	-	0.00%	-	0	-	-	-
43	2,000.1	2,100.0	0	-	0.00%	-	0	-	-	-
44	2,100.1	2,200.0	0	-	0.00%	-	0	-	-	-
45	2,200.1	2,300.0	0	-	0.00%	-	0	-	-	-
46	2,300.1	2,400.0	0	-	0.00%	-	0	-	-	-
47	2,400.1	2,500.0	0	-	0.00%	-	0	-	-	-
48	2,500.1	2,600.0	0	-	0.00%	-	0	-	-	-
49	2,600.1	2,700.0	0	-	0.00%	-	0	-	-	-
50	2,700.1	2,800.0	0	-	0.00%	-	0	-	-	-
51	2,800.1	2,900.0	0	-	0.00%	-	0	-	-	-
52	2,900.1	3,000.0	0	-	0.00%	-	0	-	-	-
53	3,000.1	3,100.0	0	-	0.00%	-	0	-	-	-
54	3,100.1	3,200.0	0	-	0.00%	-	0	-	-	-
55	3,200.1	3,300.0	0	-	0.00%	-	0	-	-	-

(Continued)

Meter Size:		3-Inch
Class:		Sale for Resale
Bill Count File:		0
Basic Service Charge:	$	237.46
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

Winkelman

Line No.	[A] Block (M Gal) From	[B] To	[C] Bills: Number of Bills by Block	[D] No. Up to & Including Block	[E] % of Total	[F] Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Cum. Use of Bills Stopping in Block	[I] Total Use to Block of all Bills Through Block	[J] Cumulative Billed Usage
1	3,300.1	3,400.0	0	-	0.00%	-	0	-	-	-
2	3,400.1	3,500.0	0	-	0.00%	-	0	-	-	-
3	3,500.1	3,600.0	0	-	0.00%	-	0	-	-	-
4	3,600.1	3,700.0	0	-	0.00%	-	0	-	-	-
5	3,700.1	3,800.0	0	-	0.00%	-	0	-	-	-
6	3,800.1	3,900.0	0	-	0.00%	-	0	-	-	-
7	3,900.1	4,000.0	0	-	0.00%	-	0	-	-	-
8	4,000.1	4,100.0	0	-	0.00%	-	0	-	-	-
9	4,100.1	4,200.0	0	-	0.00%	-	0	-	-	-
10	4,200.1	4,300.0	0	-	0.00%	-	0	-	-	-
11	4,300.1	4,400.0	0	-	0.00%	-	0	-	-	-
12	4,400.1	4,500.0	0	-	0.00%	-	0	-	-	-
13	4,500.1	4,600.0	0	-	0.00%	-	0	-	-	-
14	4,600.1	4,700.0	0	-	0.00%	-	0	-	-	-
15	4,700.1	4,800.0	0	-	0.00%	-	0	-	-	-
16	4,800.1	4,900.0	0	-	0.00%	-	0	-	-	-
17	4,900.1	5,000.0	0	-	0.00%	-	0	-	-	-
18	5,000.1	99,999.0	0	-	0.00%	-	0	-	-	-
19										
20	Total Bills/Use:		-	-	0.00%	-	-	-		-

(Continued)

Meter Size:		3-inch
Class:		Sale for Resale
Bill Count File:		0
Basic Service Charge:	$	237.46
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

Total Test Year Usage & Revenues at Test Year Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Total Test Year Usage & Revenues at Proposed Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	0	-	0.00%	-	0	-	-	-
2	0.1	5.0	0	-	0.00%	-	0	-	-	-
3	5.1	10.0	0	-	0.00%	-	0	-	-	-
4	10.1	15.0	0	-	0.00%	-	0	-	-	-
5	15.1	20.0	0	-	0.00%	-	0	-	-	-
6	20.1	25.0	0	-	0.00%	-	0	-	-	-
7	25.1	30.0	0	-	0.00%	-	0	-	-	-
8	30.1	35.0	0	-	0.00%	-	0	-	-	-
9	35.1	40.0	0	-	0.00%	-	0	-	-	-
10	40.1	45.0	0	-	0.00%	-	0	-	-	-
11	45.1	50.0	0	-	0.00%	-	0	-	-	-
12	50.1	55.0	0	-	0.00%	-	0	-	-	-
13	55.1	60.0	0	-	0.00%	-	0	-	-	-
14	60.1	65.0	0	-	0.00%	-	0	-	-	-
15	65.1	70.0	0	-	0.00%	-	0	-	-	-
16	70.1	75.0	0	-	0.00%	-	0	-	-	-
17	75.1	80.0	0	-	0.00%	-	0	-	-	-
18	80.1	85.0	0	-	0.00%	-	0	-	-	-
19	85.1	90.0	0	-	0.00%	-	0	-	-	-
20	90.1	100.0	0	-	0.00%	-	0	-	-	-
21	100.1	110.0	0	-	0.00%	-	0	-	-	-
22	110.1	125.0	0	-	0.00%	-	0	-	-	-
23	125.1	130.0	0	-	0.00%	-	0	-	-	-
24	130.1	140.0	0	-	0.00%	-	0	-	-	-
25	140.1	150.0	0	-	0.00%	-	0	-	-	-
26	150.1	160.0	0	-	0.00%	-	0	-	-	-
27	160.1	165.0	0	-	0.00%	-	0	-	-	-
28	165.1	170.0	0	-	0.00%	-	0	-	-	-
29	170.1	175.0	0	-	0.00%	-	0	-	-	-
30	175.1	190.0	0	-	0.00%	-	0	-	-	-
31	190.1	200.0	0	-	0.00%	-	0	-	-	-
32	200.1	210.0	0	-	0.00%	-	0	-	-	-
33	210.1	220.0	0	-	0.00%	-	0	-	-	-
34	220.1	230.0	0	-	0.00%	-	0	-	-	-
35	230.1	240.0	0	-	0.00%	-	0	-	-	-
36	240.1	250.0	0	-	0.00%	-	0	-	-	-
37	250.1	260.0	0	-	0.00%	-	0	-	-	-
38	260.1	270.0	0	-	0.00%	-	0	-	-	-
39	270.1	275.0	0	-	0.00%	-	0	-	-	-
40	275.1	280.0	0	-	0.00%	-	0	-	-	-
41	280.1	290.0	0	-	0.00%	-	0	-	-	-
42	290.1	303.0	0	-	0.00%	-	0	-	-	-
43	303.1	325.0	0	-	0.00%	-	0	-	-	-
44	325.1	340.0	0	-	0.00%	-	0	-	-	-
45	340.1	350.0	0	-	0.00%	-	0	-	-	-
46	350.1	375.0	0	-	0.00%	-	0	-	-	-
47	375.1	400.0	0	-	0.00%	-	0	-	-	-
48	400.1	410.0	0	-	0.00%	-	0	-	-	-
49	410.1	420.0	0	-	0.00%	-	0	-	-	-
50	420.1	425.0	0	-	0.00%	-	0	-	-	-
51	425.1	450.0	0	-	0.00%	-	0	-	-	-
52	450.1	474.0	0	-	0.00%	-	0	-	-	-
53	474.1	475.0	0	-	0.00%	-	0	-	-	-
54	475.1	487.0	0	-	0.00%	-	0	-	-	-
55	487.1	493.0	0	-	0.00%	-	0	-	-	-

Meter Size:		4-Inch
Class:		Sale for Resale
Basic Service Charge:	$	371.03
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	493.1	494.0	0	-	0.00%	-	0	-	-	-
2	494.1	500.0	0	-	0.00%	-	0	-	-	-
3	500.1	525.0	0	-	0.00%	-	0	-	-	-
4	525.1	550.0	0	-	0.00%	-	0	-	-	-
5	550.1	575.0	0	-	0.00%	-	0	-	-	-
6	575.1	600.0	0	-	0.00%	-	0	-	-	-
7	600.1	625.0	0	-	0.00%	-	0	-	-	-
8	625.1	650.0	0	-	0.00%	-	0	-	-	-
9	650.1	667.0	0	-	0.00%	-	0	-	-	-
10	667.1	675.0	0	-	0.00%	-	0	-	-	-
11	675.1	700.0	0	-	0.00%	-	0	-	-	-
12	700.1	750.0	0	-	0.00%	-	0	-	-	-
13	750.1	800.0	0	-	0.00%	-	0	-	-	-
14	800.1	850.0	0	-	0.00%	-	0	-	-	-
15	850.1	900.0	0	-	0.00%	-	0	-	-	-
16	900.1	917.0	0	-	0.00%	-	0	-	-	-
17	917.1	950.0	0	-	0.00%	-	0	-	-	-
18	950.1	1,000.0	0	-	0.00%	-	0	-	-	-
19	1,000.1	1,050.0	0	-	0.00%	-	0	-	-	-
20	1,050.1	1,062.0	0	-	0.00%	-	0	-	-	-
21	1,062.1	1,100.0	0	-	0.00%	-	0	-	-	-
22	1,100.1	1,145.0	0	-	0.00%	-	0	-	-	-
23	1,145.1	1,150.0	0	-	0.00%	-	0	-	-	-
24	1,150.1	1,195.0	0	-	0.00%	-	0	-	-	-
25	1,195.1	1,200.0	0	-	0.00%	-	0	-	-	-
26	1,200.1	1,250.0	0	-	0.00%	-	0	-	-	-
27	1,250.1	1,300.0	0	-	0.00%	-	0	-	-	-
28	1,300.1	1,350.0	0	-	0.00%	-	0	-	-	-
29	1,350.1	1,400.0	0	-	0.00%	-	0	-	-	-
30	1,400.1	1,450.0	0	-	0.00%	-	0	-	-	-
31	1,450.1	1,500.0	0	-	0.00%	-	0	-	-	-
32	1,500.1	1,550.0	0	-	0.00%	-	0	-	-	-
33	1,550.1	1,600.0	0	-	0.00%	-	0	-	-	-
34	1,600.1	1,650.0	0	-	0.00%	-	0	-	-	-
35	1,650.1	1,700.0	0	-	0.00%	-	0	-	-	-
36	1,700.1	1,750.0	0	-	0.00%	-	0	-	-	-
37	1,750.1	1,800.0	0	-	0.00%	-	0	-	-	-
38	1,800.1	1,850.0	0	-	0.00%	-	0	-	-	-
39	1,850.1	1,900.0	0	-	0.00%	-	0	-	-	-
40	1,900.1	1,950.0	0	-	0.00%	-	0	-	-	-
41	1,950.1	2,000.0	0	-	0.00%	-	0	-	-	-
42	2,000.1	2,100.0	0	-	0.00%	-	0	-	-	-
43	2,100.1	2,200.0	0	-	0.00%	-	0	-	-	-
44	2,200.1	2,300.0	0	-	0.00%	-	0	-	-	-
45	2,300.1	2,400.0	0	-	0.00%	-	0	-	-	-
46	2,400.1	2,500.0	0	-	0.00%	-	0	-	-	-
47	2,500.1	2,600.0	0	-	0.00%	-	0	-	-	-
48	2,600.1	2,700.0	0	-	0.00%	-	0	-	-	-
49	2,700.1	2,800.0	0	-	0.00%	-	0	-	-	-
50	2,800.1	2,900.0	0	-	0.00%	-	0	-	-	-
51	2,900.1	3,000.0	0	-	0.00%	-	0	-	-	-
52	3,000.1	3,100.0	0	-	0.00%	-	0	-	-	-
53	3,100.1	3,200.0	0	-	0.00%	-	0	-	-	-
54	3,200.1	3,300.0	0	-	0.00%	-	0	-	-	-
55	3,300.1	3,400.0	0	-	0.00%	-	0	-	-	-

(Continued)

Meter Size:		4-Inch
Class:		Sale for Resale
Bill Count File:		0
Basic Service Charge:	$	371.03
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

ARIZONA WATER COMPANY
Test Year Ended December 31, 2010
Bill Count

Winkelman

Line No.	[A] Block (M Gal) From	[B] To	[C] Bills: Number of Bills by Block	[D] No. Up to & Including Block	[E] % of Total	[F] Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Cum. Use of Bills Stopping in Block	[I] Total Use to Block of all Bills Through Block	[J] Cumulative Billed Usage
1	3,400.1	3,500.0	0	-	0.00%	-	0	-	-	-
2	3,500.1	3,517.0	0	-	0.00%	-	0	-	-	-
3	3,517.1	3,600.0	0	-	0.00%	-	0	-	-	-
4	3,600.1	3,700.0	0	-	0.00%	-	0	-	-	-
5	3,700.1	3,800.0	0	-	0.00%	-	0	-	-	-
6	3,800.1	3,900.0	0	-	0.00%	-	0	-	-	-
7	3,900.1	4,000.0	0	-	0.00%	-	0	-	-	-
8	4,000.1	4,100.0	0	-	0.00%	-	0	-	-	-
9	4,100.1	4,200.0	0	-	0.00%	-	0	-	-	-
10	4,200.1	4,300.0	0	-	0.00%	-	0	-	-	-
11	4,300.1	4,400.0	0	-	0.00%	-	0	-	-	-
12	4,400.1	4,500.0	0	-	0.00%	-	0	-	-	-
13	4,500.1	4,600.0	0	-	0.00%	-	0	-	-	-
14	4,600.1	4,700.0	0	-	0.00%	-	0	-	-	-
15	4,700.1	4,800.0	0	-	0.00%	-	0	-	-	-
16	4,800.1	4,900.0	0	-	0.00%	-	0	-	-	-
17	4,900.1	5,000.0	0	-	0.00%	-	0	-	-	-
18	5,000.1	99,999.0	-	-	0.00%	-	-	-	-	-
19										
20	Total Bills/Use:		-	-	0.00%	-	-	-		-
21										
22										

(Continued)

Meter Size:		4-Inch
Class:		Sale for Resale
Bill Count File:		0
Basic Service Charge:	$	371.03
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

Total Test Year Usage & Revenues at Test Year Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Total Test Year Usage & Revenues at Proposed Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

ARIZONA WATER COMPANY
Test Year Ended December 31, 2010
Bill Count

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	0	-	0.00%	-	0	-	-	-
2	0.1	5.0	0	-	0.00%	-	0	-	-	-
3	5.1	10.0	0	-	0.00%	-	0	-	-	-
4	10.1	15.0	0	-	0.00%	-	0	-	-	-
5	15.1	20.0	0	-	0.00%	-	0	-	-	-
6	20.1	25.0	0	-	0.00%	-	0	-	-	-
7	25.1	30.0	0	-	0.00%	-	0	-	-	-
8	30.1	35.0	0	-	0.00%	-	0	-	-	-
9	35.1	40.0	0	-	0.00%	-	0	-	-	-
10	40.1	45.0	0	-	0.00%	-	0	-	-	-
11	45.1	50.0	0	-	0.00%	-	0	-	-	-
12	50.1	55.0	0	-	0.00%	-	0	-	-	-
13	55.1	60.0	0	-	0.00%	-	0	-	-	-
14	60.1	65.0	0	-	0.00%	-	0	-	-	-
15	65.1	70.0	0	-	0.00%	-	0	-	-	-
16	70.1	75.0	0	-	0.00%	-	0	-	-	-
17	75.1	80.0	0	-	0.00%	-	0	-	-	-
18	80.1	85.0	0	-	0.00%	-	0	-	-	-
19	85.1	90.0	0	-	0.00%	-	0	-	-	-
20	90.1	100.0	0	-	0.00%	-	0	-	-	-
21	100.1	110.0	0	-	0.00%	-	0	-	-	-
22	110.1	125.0	0	-	0.00%	-	0	-	-	-
23	125.1	130.0	0	-	0.00%	-	0	-	-	-
24	130.1	140.0	0	-	0.00%	-	0	-	-	-
25	140.1	150.0	0	-	0.00%	-	0	-	-	-
26	150.1	160.0	0	-	0.00%	-	0	-	-	-
27	160.1	165.0	0	-	0.00%	-	0	-	-	-
28	165.1	170.0	0	-	0.00%	-	0	-	-	-
29	170.1	175.0	0	-	0.00%	-	0	-	-	-
30	175.1	190.0	0	-	0.00%	-	0	-	-	-
31	190.1	200.0	0	-	0.00%	-	0	-	-	-
32	200.1	225.0	0	-	0.00%	-	0	-	-	-
33	225.1	250.0	0	-	0.00%	-	0	-	-	-
34	250.1	275.0	0	-	0.00%	-	0	-	-	-
35	275.1	300.0	0	-	0.00%	-	0	-	-	-
36	300.1	325.0	0	-	0.00%	-	0	-	-	-
37	325.1	350.0	0	-	0.00%	-	0	-	-	-
38	350.1	375.0	0	-	0.00%	-	0	-	-	-
39	375.1	400.0	0	-	0.00%	-	0	-	-	-
40	400.1	425.0	0	-	0.00%	-	0	-	-	-
41	425.1	450.0	0	-	0.00%	-	0	-	-	-
42	450.1	477.0	0	-	0.00%	-	0	-	-	-
43	477.1	552.0	0	-	0.00%	-	0	-	-	-
44	552.1	627.0	0	-	0.00%	-	0	-	-	-
45	627.1	702.0	0	-	0.00%	-	0	-	-	-
46	702.1	775.0	0	-	0.00%	-	0	-	-	-
47	775.1	852.0	0	-	0.00%	-	0	-	-	-
48	852.1	927.0	0	-	0.00%	-	0	-	-	-
49	927.1	1,002.0	0	-	0.00%	-	0	-	-	-
50	1,002.1	1,075.0	0	-	0.00%	-	0	-	-	-
51	1,075.1	1,150.0	0	-	0.00%	-	0	-	-	-
52	1,150.1	1,225.0	0	-	0.00%	-	0	-	-	-
53	1,225.1	1,300.0	0	-	0.00%	-	0	-	-	-
54	1,300.1	1,375.0	0	-	0.00%	-	0	-	-	-
55	1,375.1	1,450.0	0	-	0.00%	-	0	-	-	-

Meter Size:		6-Inch
Class:		Sale for Resale
Basic Service Charge:	$	742.06
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	1,450.1	1,525.0	0	-	0.00%	-	0	-	-	-
2	1,525.1	1,600.0	0	-	0.00%	-	0	-	-	-
3	1,600.1	1,675.0	0	-	0.00%	-	0	-	-	-
4	1,675.1	1,750.0	0	-	0.00%	-	0	-	-	-
5	1,750.1	1,889.0	0	-	0.00%	-	0	-	-	-
6	1,889.1	1,900.0	0	-	0.00%	-	0	-	-	-
7	1,900.1	1,975.0	0	-	0.00%	-	0	-	-	-
8	1,975.1	2,050.0	0	-	0.00%	-	0	-	-	-
9	2,050.1	2,160.0	0	-	0.00%	-	0	-	-	-
10	2,160.1	2,200.0	0	-	0.00%	-	0	-	-	-
11	2,200.1	2,275.0	0	-	0.00%	-	0	-	-	-
12	2,275.1	2,359.0	0	-	0.00%	-	0	-	-	-
13	2,359.1	2,425.0	0	-	0.00%	-	0	-	-	-
14	2,425.1	2,500.0	0	-	0.00%	-	0	-	-	-
15	2,500.1	2,575.0	0	-	0.00%	-	0	-	-	-
16	2,575.1	2,650.0	0	-	0.00%	-	0	-	-	-
17	2,650.1	2,725.0	0	-	0.00%	-	0	-	-	-
18	2,725.1	2,800.0	0	-	0.00%	-	0	-	-	-
19	2,800.1	2,875.0	0	-	0.00%	-	0	-	-	-
20	2,875.1	2,950.0	0	-	0.00%	-	0	-	-	-
21	2,950.1	3,025.0	0	-	0.00%	-	0	-	-	-
22	3,025.1	3,100.0	0	-	0.00%	-	0	-	-	-
23	3,100.1	3,175.0	0	-	0.00%	-	0	-	-	-
24	3,175.1	3,250.0	0	-	0.00%	-	0	-	-	-
25	3,250.1	3,325.0	0	-	0.00%	-	0	-	-	-
26	3,325.1	3,400.0	0	-	0.00%	-	0	-	-	-
27	3,400.1	3,475.0	0	-	0.00%	-	0	-	-	-
28	3,475.1	3,550.0	0	-	0.00%	-	0	-	-	-
29	3,550.1	3,625.0	0	-	0.00%	-	0	-	-	-
30	3,625.1	3,700.0	0	-	0.00%	-	0	-	-	-
31	3,700.1	3,775.0	0	-	0.00%	-	0	-	-	-
32	3,775.1	3,850.0	0	-	0.00%	-	0	-	-	-
33	3,850.1	3,925.0	0	-	0.00%	-	0	-	-	-
34	3,925.1	4,000.0	0	-	0.00%	-	0	-	-	-
35	4,000.1	4,250.0	0	-	0.00%	-	0	-	-	-
36	4,250.1	4,500.0	0	-	0.00%	-	0	-	-	-
37	4,500.1	4,750.0	0	-	0.00%	-	0	-	-	-
38	4,750.1	5,000.0	0	-	0.00%	-	0	-	-	-
39	5,000.1	5,250.0	0	-	0.00%	-	0	-	-	-
40	5,250.1	5,500.0	0	-	0.00%	-	0	-	-	-
41	5,500.1	5,750.0	0	-	0.00%	-	0	-	-	-
42	5,750.1	6,000.0	0	-	0.00%	-	0	-	-	-
43	6,000.1	6,250.0	0	-	0.00%	-	0	-	-	-
44	6,250.1	6,500.0	0	-	0.00%	-	0	-	-	-
45	6,500.1	6,750.0	0	-	0.00%	-	0	-	-	-
46	6,750.1	7,000.0	0	-	0.00%	-	0	-	-	-
47	7,000.1	7,250.0	0	-	0.00%	-	0	-	-	-
48	7,250.1	7,500.0	0	-	0.00%	-	0	-	-	-
49	7,500.1	7,750.0	0	-	0.00%	-	0	-	-	-
50	7,750.1	8,000.0	0	-	0.00%	-	0	-	-	-
51	8,000.1	8,250.0	0	-	0.00%	-	0	-	-	-
52	8,250.1	8,500.0	0	-	0.00%	-	0	-	-	-
53	8,500.1	8,750.0	0	-	0.00%	-	0	-	-	-
54	8,750.1	9,000.0	0	-	0.00%	-	0	-	-	-
55	9,000.1	9,750.0	0	-	0.00%	-	0	-	-	-

(Continued)

Meter Size:		6-Inch
Class:		Sale for Resale
Bill Count File:		0
Basic Service Charge:	$	742.06
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	9,750.1	10,500.0	0	-	0.00%	-	0	-	-	-
2	10,500.1	11,250.0	0	-	0.00%	-	0	-	-	-
3	11,250.1	12,000.0	0	-	0.00%	-	0	-	-	-
4	12,000.1	12,750.0	0	-	0.00%	-	0	-	-	-
5	12,750.1	13,500.0	0	-	0.00%	-	0	-	-	-
6	13,500.1	14,250.0	0	-	0.00%	-	0	-	-	-
7	14,250.1	15,000.0	0	-	0.00%	-	0	-	-	-
8	15,000.1	17,500.0	0	-	0.00%	-	0	-	-	-
9	17,500.1	20,000.0	0	-	0.00%	-	0	-	-	-
10	20,000.1	22,500.0	0	-	0.00%	-	0	-	-	-
11	22,500.1	25,000.0	0	-	0.00%	-	0	-	-	-
12	25,000.1	27,500.0	0	-	0.00%	-	0	-	-	-
13	27,500.1	30,000.0	0	-	0.00%	-	0	-	-	-
14	30,000.1	32,500.0	0	-	0.00%	-	0	-	-	-
15	32,500.1	35,000.0	0	-	0.00%	-	0	-	-	-
16	35,000.1	37,500.0	0	-	0.00%	-	0	-	-	-
17	37,500.1	40,000.0	0	-	0.00%	-	0	-	-	-
18	40,000.1	99,999.0	-	-	0.00%	-	-	-	-	-
19										
20	Total Bills/Use:		-	-	0.00%	-	-	-		-

(Continued)

Meter Size:		6-Inch
Class:		Sale for Resale
Bill Count File:		0
Basic Service Charge:	$	742.06
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

Total Test Year Usage & Revenues at Test Year Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Total Test Year Usage & Revenues at Proposed Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	0	-	0.00%	-	0	-	-	-
2	0.1	5.0	0	-	0.00%	-	0	-	-	-
3	5.1	10.0	0	-	0.00%	-	0	-	-	-
4	10.1	15.0	0	-	0.00%	-	0	-	-	-
5	15.1	20.0	0	-	0.00%	-	0	-	-	-
6	20.1	25.0	0	-	0.00%	-	0	-	-	-
7	25.1	30.0	0	-	0.00%	-	0	-	-	-
8	30.1	35.0	0	-	0.00%	-	0	-	-	-
9	35.1	40.0	0	-	0.00%	-	0	-	-	-
10	40.1	45.0	0	-	0.00%	-	0	-	-	-
11	45.1	50.0	0	-	0.00%	-	0	-	-	-
12	50.1	55.0	0	-	0.00%	-	0	-	-	-
13	55.1	60.0	0	-	0.00%	-	0	-	-	-
14	60.1	65.0	0	-	0.00%	-	0	-	-	-
15	65.1	70.0	0	-	0.00%	-	0	-	-	-
16	70.1	75.0	0	-	0.00%	-	0	-	-	-
17	75.1	80.0	0	-	0.00%	-	0	-	-	-
18	80.1	85.0	0	-	0.00%	-	0	-	-	-
19	85.1	90.0	0	-	0.00%	-	0	-	-	-
20	90.1	100.0	0	-	0.00%	-	0	-	-	-
21	100.1	110.0	0	-	0.00%	-	0	-	-	-
22	110.1	125.0	0	-	0.00%	-	0	-	-	-
23	125.1	130.0	0	-	0.00%	-	0	-	-	-
24	130.1	140.0	0	-	0.00%	-	0	-	-	-
25	140.1	150.0	0	-	0.00%	-	0	-	-	-
26	150.1	160.0	0	-	0.00%	-	0	-	-	-
27	160.1	165.0	0	-	0.00%	-	0	-	-	-
28	165.1	170.0	0	-	0.00%	-	0	-	-	-
29	170.1	175.0	0	-	0.00%	-	0	-	-	-
30	175.1	190.0	0	-	0.00%	-	0	-	-	-
31	190.1	200.0	0	-	0.00%	-	0	-	-	-
32	200.1	225.0	0	-	0.00%	-	0	-	-	-
33	225.1	250.0	0	-	0.00%	-	0	-	-	-
34	250.1	275.0	0	-	0.00%	-	0	-	-	-
35	275.1	300.0	0	-	0.00%	-	0	-	-	-
36	300.1	325.0	0	-	0.00%	-	0	-	-	-
37	325.1	350.0	0	-	0.00%	-	0	-	-	-
38	350.1	375.0	0	-	0.00%	-	0	-	-	-
39	375.1	400.0	0	-	0.00%	-	0	-	-	-
40	400.1	425.0	0	-	0.00%	-	0	-	-	-
41	425.1	450.0	0	-	0.00%	-	0	-	-	-
42	450.1	477.0	0	-	0.00%	-	0	-	-	-
43	477.1	552.0	0	-	0.00%	-	0	-	-	-
44	552.1	627.0	0	-	0.00%	-	0	-	-	-
45	627.1	702.0	0	-	0.00%	-	0	-	-	-
46	702.1	775.0	0	-	0.00%	-	0	-	-	-
47	775.1	852.0	0	-	0.00%	-	0	-	-	-
48	852.1	927.0	0	-	0.00%	-	0	-	-	-
49	927.1	1,002.0	0	-	0.00%	-	0	-	-	-
50	1,002.1	1,075.0	0	-	0.00%	-	0	-	-	-
51	1,075.1	1,150.0	0	-	0.00%	-	0	-	-	-
52	1,150.1	1,225.0	0	-	0.00%	-	0	-	-	-
53	1,225.1	1,300.0	0	-	0.00%	-	0	-	-	-
54	1,300.1	1,375.0	0	-	0.00%	-	0	-	-	-
55	1,375.1	1,450.0	0	-	0.00%	-	0	-	-	-

Meter Size:	8-Inch
Class:	Sale for Resale
Basic Service Charge:	$ 1,187.30
Tier One Breakover (M Gal):	99,999
Tier Two Breakover (M Gal):	99,999
Tier Three Breakover (M Gal):	99,999
Tier One Rate:	$ 2.2696
Tier Two Rate:	$ 2.2696
Tier Three Rate:	$ 2.2696

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	1,450.1	1,525.0	0	-	0.00%	-	0	-	-	-
2	1,525.1	1,600.0	0	-	0.00%	-	0	-	-	-
3	1,600.1	1,675.0	0	-	0.00%	-	0	-	-	-
4	1,675.1	1,750.0	0	-	0.00%	-	0	-	-	-
5	1,750.1	1,889.0	0	-	0.00%	-	0	-	-	-
6	1,889.1	1,900.0	0	-	0.00%	-	0	-	-	-
7	1,900.1	1,975.0	0	-	0.00%	-	0	-	-	-
8	1,975.1	2,050.0	0	-	0.00%	-	0	-	-	-
9	2,050.1	2,160.0	0	-	0.00%	-	0	-	-	-
10	2,160.1	2,200.0	0	-	0.00%	-	0	-	-	-
11	2,200.1	2,275.0	0	-	0.00%	-	0	-	-	-
12	2,275.1	2,359.0	0	-	0.00%	-	0	-	-	-
13	2,359.1	2,425.0	0	-	0.00%	-	0	-	-	-
14	2,425.1	2,500.0	0	-	0.00%	-	0	-	-	-
15	2,500.1	2,575.0	0	-	0.00%	-	0	-	-	-
16	2,575.1	2,650.0	0	-	0.00%	-	0	-	-	-
17	2,650.1	2,725.0	0	-	0.00%	-	0	-	-	-
18	2,725.1	2,800.0	0	-	0.00%	-	0	-	-	-
19	2,800.1	2,875.0	0	-	0.00%	-	0	-	-	-
20	2,875.1	2,950.0	0	-	0.00%	-	0	-	-	-
21	2,950.1	3,025.0	0	-	0.00%	-	0	-	-	-
22	3,025.1	3,100.0	0	-	0.00%	-	0	-	-	-
23	3,100.1	3,175.0	0	-	0.00%	-	0	-	-	-
24	3,175.1	3,250.0	0	-	0.00%	-	0	-	-	-
25	3,250.1	3,325.0	0	-	0.00%	-	0	-	-	-
26	3,325.1	3,400.0	0	-	0.00%	-	0	-	-	-
27	3,400.1	3,475.0	0	-	0.00%	-	0	-	-	-
28	3,475.1	3,550.0	0	-	0.00%	-	0	-	-	-
29	3,550.1	3,625.0	0	-	0.00%	-	0	-	-	-
30	3,625.1	3,700.0	0	-	0.00%	-	0	-	-	-
31	3,700.1	3,775.0	0	-	0.00%	-	0	-	-	-
32	3,775.1	3,850.0	0	-	0.00%	-	0	-	-	-
33	3,850.1	3,925.0	0	-	0.00%	-	0	-	-	-
34	3,925.1	4,000.0	0	-	0.00%	-	0	-	-	-
35	4,000.1	4,250.0	0	-	0.00%	-	0	-	-	-
36	4,250.1	4,500.0	0	-	0.00%	-	0	-	-	-
37	4,500.1	4,750.0	0	-	0.00%	-	0	-	-	-
38	4,750.1	5,000.0	0	-	0.00%	-	0	-	-	-
39	5,000.1	5,250.0	0	-	0.00%	-	0	-	-	-
40	5,250.1	5,500.0	0	-	0.00%	-	0	-	-	-
41	5,500.1	5,750.0	0	-	0.00%	-	0	-	-	-
42	5,750.1	6,000.0	0	-	0.00%	-	0	-	-	-
43	6,000.1	6,250.0	0	-	0.00%	-	0	-	-	-
44	6,250.1	6,500.0	0	-	0.00%	-	0	-	-	-
45	6,500.1	6,750.0	0	-	0.00%	-	0	-	-	-
46	6,750.1	7,000.0	0	-	0.00%	-	0	-	-	-
47	7,000.1	7,250.0	0	-	0.00%	-	0	-	-	-
48	7,250.1	7,500.0	0	-	0.00%	-	0	-	-	-
49	7,500.1	7,750.0	0	-	0.00%	-	0	-	-	-
50	7,750.1	8,000.0	0	-	0.00%	-	0	-	-	-
51	8,000.1	8,250.0	0	-	0.00%	-	0	-	-	-
52	8,250.1	8,500.0	0	-	0.00%	-	0	-	-	-
53	8,500.1	8,750.0	0	-	0.00%	-	0	-	-	-
54	8,750.1	9,000.0	0	-	0.00%	-	0	-	-	-
55	9,000.1	9,750.0	0	-	0.00%	-	0	-	-	-

(Continued)

Meter Size:		8-Inch
Class:		Sale for Resale
Bill Count File:		0
Basic Service Charge:	$	1,187.30
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

Winkelman

Line No.	[A] Block (M Gal) From	[B] To	[C] Bills: Number of Bills by Block	[D] No. Up to & Including Block	[E] % of Total	[F] Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Cum. Use of Bills Stopping in Block	[I] Total Use to Block of all Bills Through Block	[J] Cumulative Billed Usage
1	9,750.1	10,500.0	0	-	0.00%	-	0	-	-	-
2	10,500.1	11,250.0	0	-	0.00%	-	0	-	-	-
3	11,250.1	12,000.0	0	-	0.00%	-	0	-	-	-
4	12,000.1	12,750.0	0	-	0.00%	-	0	-	-	-
5	12,750.1	13,500.0	0	-	0.00%	-	0	-	-	-
6	13,500.1	14,250.0	0	-	0.00%	-	0	-	-	-
7	14,250.1	15,000.0	0	-	0.00%	-	0	-	-	-
8	15,000.1	17,500.0	0	-	0.00%	-	0	-	-	-
9	17,500.1	20,000.0	0	-	0.00%	-	0	-	-	-
10	20,000.1	22,500.0	0	-	0.00%	-	0	-	-	-
11	22,500.1	25,000.0	0	-	0.00%	-	0	-	-	-
12	25,000.1	27,500.0	0	-	0.00%	-	0	-	-	-
13	27,500.1	30,000.0	0	-	0.00%	-	0	-	-	-
14	30,000.1	32,500.0	0	-	0.00%	-	0	-	-	-
15	32,500.1	35,000.0	0	-	0.00%	-	0	-	-	-
16	35,000.1	37,500.0	0	-	0.00%	-	0	-	-	-
17	37,500.1	40,000.0	0	-	0.00%	-	0	-	-	-
18	40,000.1	99,999.0	0	-	0.00%	-	0	-	-	-
19										
20	Total Bills/Use:		-	-	0.00%	-	-	-		-

(Continued)

Meter Size:	8-Inch
Class:	Sale for Resale
Bill Count File:	0
Basic Service Charge:	$ 1,187.30
Tier One Breakover (M Gal):	99,999
Tier Two Breakover (M Gal):	99,999
Tier Three Breakover (M Gal):	99,999
Tier One Rate:	$ 2.2696
Tier Two Rate:	$ 2.2696
Tier Three Rate:	$ 2.2696

Total Test Year Usage & Revenues at Test Year Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Total Test Year Usage & Revenues at Proposed Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	-	-	0	-	0.00%	-	0	-	-	-
2	0.1	5.0	0	-	0.00%	-	0	-	-	-
3	5.1	10.0	0	-	0.00%	-	0	-	-	-
4	10.1	15.0	0	-	0.00%	-	0	-	-	-
5	15.1	20.0	0	-	0.00%	-	0	-	-	-
6	20.1	25.0	0	-	0.00%	-	0	-	-	-
7	25.1	30.0	0	-	0.00%	-	0	-	-	-
8	30.1	35.0	0	-	0.00%	-	0	-	-	-
9	35.1	40.0	0	-	0.00%	-	0	-	-	-
10	40.1	45.0	0	-	0.00%	-	0	-	-	-
11	45.1	50.0	0	-	0.00%	-	0	-	-	-
12	50.1	55.0	0	-	0.00%	-	0	-	-	-
13	55.1	60.0	0	-	0.00%	-	0	-	-	-
14	60.1	65.0	0	-	0.00%	-	0	-	-	-
15	65.1	70.0	0	-	0.00%	-	0	-	-	-
16	70.1	75.0	0	-	0.00%	-	0	-	-	-
17	75.1	80.0	0	-	0.00%	-	0	-	-	-
18	80.1	85.0	0	-	0.00%	-	0	-	-	-
19	85.1	90.0	0	-	0.00%	-	0	-	-	-
20	90.1	100.0	0	-	0.00%	-	0	-	-	-
21	100.1	110.0	0	-	0.00%	-	0	-	-	-
22	110.1	125.0	0	-	0.00%	-	0	-	-	-
23	125.1	130.0	0	-	0.00%	-	0	-	-	-
24	130.1	140.0	0	-	0.00%	-	0	-	-	-
25	140.1	150.0	0	-	0.00%	-	0	-	-	-
26	150.1	160.0	0	-	0.00%	-	0	-	-	-
27	160.1	165.0	0	-	0.00%	-	0	-	-	-
28	165.1	170.0	0	-	0.00%	-	0	-	-	-
29	170.1	175.0	0	-	0.00%	-	0	-	-	-
30	175.1	190.0	0	-	0.00%	-	0	-	-	-
31	190.1	200.0	0	-	0.00%	-	0	-	-	-
32	200.1	225.0	0	-	0.00%	-	0	-	-	-
33	225.1	250.0	0	-	0.00%	-	0	-	-	-
34	250.1	275.0	0	-	0.00%	-	0	-	-	-
35	275.1	300.0	0	-	0.00%	-	0	-	-	-
36	300.1	325.0	0	-	0.00%	-	0	-	-	-
37	325.1	350.0	0	-	0.00%	-	0	-	-	-
38	350.1	375.0	0	-	0.00%	-	0	-	-	-
39	375.1	400.0	0	-	0.00%	-	0	-	-	-
40	400.1	425.0	0	-	0.00%	-	0	-	-	-
41	425.1	450.0	0	-	0.00%	-	0	-	-	-
42	450.1	477.0	0	-	0.00%	-	0	-	-	-
43	477.1	552.0	0	-	0.00%	-	0	-	-	-
44	552.1	627.0	0	-	0.00%	-	0	-	-	-
45	627.1	702.0	0	-	0.00%	-	0	-	-	-
46	702.1	775.0	0	-	0.00%	-	0	-	-	-
47	775.1	852.0	0	-	0.00%	-	0	-	-	-
48	852.1	927.0	0	-	0.00%	-	0	-	-	-
49	927.1	1,002.0	0	-	0.00%	-	0	-	-	-
50	1,002.1	1,075.0	0	-	0.00%	-	0	-	-	-
51	1,075.1	1,150.0	0	-	0.00%	-	0	-	-	-
52	1,150.1	1,225.0	0	-	0.00%	-	0	-	-	-
53	1,225.1	1,300.0	0	-	0.00%	-	0	-	-	-
54	1,300.1	1,375.0	0	-	0.00%	-	0	-	-	-
55	1,375.1	1,450.0	0	-	0.00%	-	0	-	-	-

Meter Size:		10-Inch
Class:		Sale for Resale
Basic Service Charge:	$	1,706.74
Tier One Breakover (M Gal):		99,999
Tier Two Breakover (M Gal):		99,999
Tier Three Breakover (M Gal):		99,999
Tier One Rate:	$	2.2696
Tier Two Rate:	$	2.2696
Tier Three Rate:	$	2.2696

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1	1,450.1	1,525.0	0	-	0.00%	-	0	-	-	-
2	1,525.1	1,600.0	0	-	0.00%	-	0	-	-	-
3	1,600.1	1,675.0	0	-	0.00%	-	0	-	-	-
4	1,675.1	1,750.0	0	-	0.00%	-	0	-	-	-
5	1,750.1	1,889.0	0	-	0.00%	-	0	-	-	-
6	1,889.1	1,900.0	0	-	0.00%	-	0	-	-	-
7	1,900.1	1,975.0	0	-	0.00%	-	0	-	-	-
8	1,975.1	2,050.0	0	-	0.00%	-	0	-	-	-
9	2,050.1	2,160.0	0	-	0.00%	-	0	-	-	-
10	2,160.1	2,200.0	0	-	0.00%	-	0	-	-	-
11	2,200.1	2,275.0	0	-	0.00%	-	0	-	-	-
12	2,275.1	2,359.0	0	-	0.00%	-	0	-	-	-
13	2,359.1	2,425.0	0	-	0.00%	-	0	-	-	-
14	2,425.1	2,500.0	0	-	0.00%	-	0	-	-	-
15	2,500.1	2,575.0	0	-	0.00%	-	0	-	-	-
16	2,575.1	2,650.0	0	-	0.00%	-	0	-	-	-
17	2,650.1	2,725.0	0	-	0.00%	-	0	-	-	-
18	2,725.1	2,800.0	0	-	0.00%	-	0	-	-	-
19	2,800.1	2,875.0	0	-	0.00%	-	0	-	-	-
20	2,875.1	2,950.0	0	-	0.00%	-	0	-	-	-
21	2,950.1	3,025.0	0	-	0.00%	-	0	-	-	-
22	3,025.1	3,100.0	0	-	0.00%	-	0	-	-	-
23	3,100.1	3,175.0	0	-	0.00%	-	0	-	-	-
24	3,175.1	3,250.0	0	-	0.00%	-	0	-	-	-
25	3,250.1	3,325.0	0	-	0.00%	-	0	-	-	-
26	3,325.1	3,400.0	0	-	0.00%	-	0	-	-	-
27	3,400.1	3,475.0	0	-	0.00%	-	0	-	-	-
28	3,475.1	3,550.0	0	-	0.00%	-	0	-	-	-
29	3,550.1	3,625.0	0	-	0.00%	-	0	-	-	-
30	3,625.1	3,700.0	0	-	0.00%	-	0	-	-	-
31	3,700.1	3,775.0	0	-	0.00%	-	0	-	-	-
32	3,775.1	3,850.0	0	-	0.00%	-	0	-	-	-
33	3,850.1	3,925.0	0	-	0.00%	-	0	-	-	-
34	3,925.1	4,000.0	0	-	0.00%	-	0	-	-	-
35	4,000.1	4,250.0	0	-	0.00%	-	0	-	-	-
36	4,250.1	4,500.0	0	-	0.00%	-	0	-	-	-
37	4,500.1	4,750.0	0	-	0.00%	-	0	-	-	-
38	4,750.1	5,000.0	0	-	0.00%	-	0	-	-	-
39	5,000.1	5,250.0	0	-	0.00%	-	0	-	-	-
40	5,250.1	5,500.0	0	-	0.00%	-	0	-	-	-
41	5,500.1	5,750.0	0	-	0.00%	-	0	-	-	-
42	5,750.1	6,000.0	0	-	0.00%	-	0	-	-	-
43	6,000.1	6,250.0	0	-	0.00%	-	0	-	-	-
44	6,250.1	6,500.0	0	-	0.00%	-	0	-	-	-
45	6,500.1	6,750.0	0	-	0.00%	-	0	-	-	-
46	6,750.1	7,000.0	0	-	0.00%	-	0	-	-	-
47	7,000.1	7,250.0	0	-	0.00%	-	0	-	-	-
48	7,250.1	7,500.0	0	-	0.00%	-	0	-	-	-
49	7,500.1	7,750.0	0	-	0.00%	-	0	-	-	-
50	7,750.1	8,000.0	0	-	0.00%	-	0	-	-	-
51	8,000.1	8,250.0	0	-	0.00%	-	0	-	-	-
52	8,250.1	8,500.0	0	-	0.00%	-	0	-	-	-
53	8,500.1	8,750.0	0	-	0.00%	-	0	-	-	-
54	8,750.1	9,000.0	0	-	0.00%	-	0	-	-	-
55	9,000.1	9,750.0	0	-	0.00%	-	0	-	-	-

(Continued)

Meter Size:	10-Inch
Class:	Sale for Resale
Bill Count File:	0
Basic Service Charge:	$ 1,706.74
Tier One Breakover (M Gal):	99,999
Tier Two Breakover (M Gal):	99,999
Tier Three Breakover (M Gal):	99,999
Tier One Rate:	$ 2.2696
Tier Two Rate:	$ 2.2696
Tier Three Rate:	$ 2.2696

Winkelman

Line No.	[A] Block (M Gal) From	[B] To	[C] Bills: Number of Bills by Block	[D] No. Up to & Including Block	[E] % of Total	[F] Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Cum. Use of Bills Stopping in Block	[I] Total Use to Block of all Bills Through Block	[J] Cumulative Billed Usage
1	9,750.1	10,500.0	0	-	0.00%	-	0	-	-	-
2	10,500.1	11,250.0	0	-	0.00%	-	0	-	-	-
3	11,250.1	12,000.0	0	-	0.00%	-	0	-	-	-
4	12,000.1	12,750.0	0	-	0.00%	-	0	-	-	-
5	12,750.1	13,500.0	0	-	0.00%	-	0	-	-	-
6	13,500.1	14,250.0	0	-	0.00%	-	0	-	-	-
7	14,250.1	15,000.0	0	-	0.00%	-	0	-	-	-
8	15,000.1	17,500.0	0	-	0.00%	-	0	-	-	-
9	17,500.1	20,000.0	0	-	0.00%	-	0	-	-	-
10	20,000.1	22,500.0	0	-	0.00%	-	0	-	-	-
11	22,500.1	25,000.0	0	-	0.00%	-	0	-	-	-
12	25,000.1	27,500.0	0	-	0.00%	-	0	-	-	-
13	27,500.1	30,000.0	0	-	0.00%	-	0	-	-	-
14	30,000.1	32,500.0	0	-	0.00%	-	0	-	-	-
15	32,500.1	35,000.0	0	-	0.00%	-	0	-	-	-
16	35,000.1	37,500.0	0	-	0.00%	-	0	-	-	-
17	37,500.1	40,000.0	0	-	0.00%	-	0	-	-	-
18	40,000.1	99,999.0	0	-	0.00%	-	0	-	-	-
19										
20	Total Bills/Use:		-	-	0.00%	-	-	-		-

(Continued)

Meter Size:	10-Inch
Class:	Sale for Resale
Bill Count File:	0
Basic Service Charge:	$ 1,706.74
Tier One Breakover (M Gal):	99,999
Tier Two Breakover (M Gal):	99,999
Tier Three Breakover (M Gal):	99,999
Tier One Rate:	$ 2.2696
Tier Two Rate:	$ 2.2696
Tier Three Rate:	$ 2.2696

Total Test Year Usage & Revenues at Test Year Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Total Test Year Usage & Revenues at Proposed Rates

	Number of Customers	Average Gallons Per Bill	Median Gallons Usage	Total Usage (M Gals)	Volumetric Charge Revenue	Basic Service Charge Revenue	Total Bill Count Revenue
Rate Tier One				-	$ -		
Rate Tier Two				-	-		
Rate Tier Three				-	-		
Totals	-	-	-	-	$ -	$ -	$ -

Winkelman

Line No.	[A] Block (M Gal) From	[B] Block (M Gal) To	[C] Bills: Number of Bills by Block	[D] Bills: No. Up to & Including Block	[E] Bills: % of Total	[F] Bills: Number of Bills Including & Through Block	[G] Use: Total Use of Bills Stopping in Block	[H] Use: Cum. Use of Bills Stopping in Block	[I] Use: Total Use to Block of all Bills Through Block	[J] Use: Cumulative Billed Usage
1										
2	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
3										
4										
5										

		Test Year No. of Bills at Present & Proposed Rates					
6							
7	Service Charges[1]	No. of Bills in Test Year	Test Year Tariff Rate	Test Year Revenues	Proposed Tariff Rate	Proposed Revenues	Increase / (Decrease)
8							
9	Establishment	10	$ 16.00	$ 160	$ 30.00	$ 300	$ 140
10							
11	Reconnection for Delinquency	51	16.00	816	30.00	1,530	714
12							
13	Service Call Out (After Hours)	2	35.00	70	45.00	90	20
14							
15	All other Service/Miscellaneous Charges	n/a	n/a	623	n/a	623	-
16							
17	Total Service/Miscellaneous Charges			$ 1,669		$ 2,543	$ 874
18							
19							
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52							
53							
54							
55	[1]The Company is only requesting changes to the Service Charges listed on lines 9 - 13.						

Fredrick K. Schneider

ARIZONA WATER COMPANY

Docket No. W-01445A-11-____

2011 RATE HEARING

For Test Year Ending 12/31/10

PREPARED

DIRECT TESTIMONY & EXHIBITS

OF

Fredrick K. Schneider

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ARIZONA WATER COMPANY

Direct Testimony of

Fredrick K. Schneider

I. Introduction and Qualifications

Q. PLEASE STATE YOUR NAME, EMPLOYER AND OCCUPATION.

A. My name is Fredrick K. Schneider. I am employed by Arizona Water Company (the "Company") as Vice President of Engineering. My business address is 3805 N. Black Canyon Highway, Phoenix, Arizona 85015.

Q. PLEASE DESCRIBE YOUR EDUCATIONAL BACKGROUND.

A. I graduated in 1990 with a Bachelor of Science degree in Hydrology from the College of Engineering and Mines at the University of Arizona, in Tucson, Arizona. Additionally, I have taken graduate level classes at the University of Phoenix.

Q. PLEASE DESCRIBE YOUR WORK EXPERIENCE.

A. In 1987, I began working for the United States Department of Agriculture performing chemical and granular gradation laboratory soils analysis. In 1988, I accepted a position with the City of Tucson as an Engineering Intern in their Engineering department performing civil engineering site reviews, and later transferred to the Water department working on groundwater modeling, environmental remediation and groundwater contamination investigation until I graduated from the University of Arizona in 1990.

Upon obtaining my degree, I joined Boyle Engineering Corporation in Phoenix, Arizona as an Assistant Engineer and was later promoted to the position of Associate Engineer. Boyle Engineering provides consulting engineering services to the public and private sectors in the areas of water and wastewater. During this time, I was involved in a variety of consulting

assignments, including all phases of system planning and design, reconnaissance level investigations, feasibility studies and construction phase services, including water and wastewater master planning, groundwater supply development, surface water supply development, storage reservoir design and construction, treatment facilities, pipeline systems, wastewater collection, treatment and disposal.

In 1995, I accepted a position with Wood, Patel and Associates in Phoenix, Arizona. During that time, my duties consisted of engineering design and project management for various water and wastewater pipeline feasibility analyses, evaluation of alternatives, cost estimating, detailed hydraulic analysis and master planning new developments ranging in size from several hundred to several thousand acres.

In 1998, I joined Citizens Water Resources ("Citizens") as a Senior Development Engineer. I was later promoted to the position of Development Services Supervisor, where I negotiated development agreements, reviewed water and wastewater master plans and facility infrastructure plans, and was responsible for the inspection and approval of constructed facilities for projects within the metropolitan Phoenix area. I became an employee of Arizona American Water Company ("Arizona-American") when its parent company, American Water Company, purchased the water and wastewater assets of Citizens on January 15, 2001, and was subsequently promoted to the position of Development Services Manager, responsible for the same duties described above statewide. In 2003, I moved from engineering to the operations area when I was promoted to the position of Manager of Arizona-American. In that position, I was responsible for the operations of all of Arizona-American's water and wastewater treatment facilities, distribution and collection facilities and customer service. In May 2004, I was promoted

to the position of Director of Engineering for American Water Company's Western Region, where my responsibilities included overseeing all capital planning and engineering activities for American Water Company's operations in Arizona, California, Hawaii, New Mexico and Texas.

In October 2005, I accepted a position as an Associate with Brown and Caldwell, managing the Phoenix Infrastructure department including the design, project management and construction administration of water and wastewater infrastructure projects within the metropolitan Phoenix area.

In August 2007, I joined Arizona Water Company as Vice President of Engineering. My responsibilities now include capital planning, design and construction management of all of the Company's engineering projects.

Q. ARE YOU A MEMBER OF ANY PROFESSIONAL ORGANIZATIONS?

A. Yes. I am a member of the American Water Works Association ("AWWA") and the Arizona Water Association (formerly Arizona Water and Pollution Control Association). I was also a member of the Infrastructure Replacement Group of the Blue Ribbon Panel on Sustainability, a panel formed to address water sustainability that was jointly chaired by the Arizona Corporation Commission (the "Commission"), the Arizona Department of Water Resources ("ADWR") and the Arizona Department of Environmental Quality ("ADEQ").

Q. ARE YOU A REGISTERED PROFESSIONAL ENGINEER?

A. Yes. I have been a registered professional engineer in the State of Arizona since 1995.

Q. DO YOU HAVE ANY OTHER CERTIFICATIONS?

A. Yes. I am an ADEQ Grade 2 certified operator in Water and Wastewater Treatment and a Grade 3 certified operator in Water Distribution and Wastewater Collection.

Q. HAVE YOU TESTIFIED PREVIOUSLY BEFORE THE COMMISSION?

A. Yes. I have testified in rate proceedings and Certificate of Convenience and Necessity ("CCN") hearings before the Commission. In addition, I have testified in California before the California Public Utilities Commission and prepared pre-filed testimony in Hawaii and New Mexico. I testified in the Company's last general rate application proceeding for the total Company (*See* Docket No. W-01445A-08-0440) and the Company's pending Western Group rate application (*See* Docket No. W-01445A-10-0517).

II. Purpose and Extent of Direct Testimony

Q. WHAT IS THE PURPOSE AND EXTENT OF YOUR DIRECT TESTIMONY?

A. For ratemaking purposes, the Company's water systems are divided into three groups, the Western, Eastern and Northern Groups. My direct testimony concerns the Eastern Group, which is comprised of the Superstition Division (Apache Junction, Superior and Miami), Cochise Division (Bisbee and Sierra Vista), Falcon Valley (San Manuel, Oracle and SaddleBrooke Ranch) and its Winkelman systems. The Cochise Division, which is comprised of the Bisbee and Sierra Vista water systems, was consolidated in Decision No. 71845 and is comprised of the following two ADEQ public water systems:

ARIZONA WATER COMPANY
Cochise Division
ADEQ Public Water Systems

Water System	PWS ID No.
Bisbee	02-001
Sierra Vista	02-004

The Superstition Division is comprised of the Apache Junction, Miami and Superior systems. The Apache Junction and Superior systems were

previously partially consolidated in Decision No. 66849 and became the Superstition Division. In Decision No. 71845 these systems and the Miami system were fully consolidated into the Superstition Division. The Superstition Division is comprised of the following three ADEQ public water systems:

ARIZONA WATER COMPANY Superstition Division ADEQ Public Water Systems	
Water System	PWS ID No.
Apache Junction	11-004
Miami	04-002
Superior	11-021

My direct testimony discusses critical and necessary post-Test Year plant additions in the Cochise and Superstition Divisions and in the Oracle water system as follows:

- The reasons why such additions should be included in this rate case,
- The Company's planning and budgeting process for the construction of plant additions and improvements; and
- A description of the Company-funded utility plant additions since the last rate proceeding.

My direct testimony also discusses:

- Proposed arsenic removal facility additions in the Superstition Division,
- Company-wide transmission and distribution system maintenance costs; and

- The Company's proposed Superstition CAP Treatment Plant and related water infrastructure in the Superstition water system associated with the Off-Site Facilities Fee.

Finally, my direct testimony discusses lost and unaccounted for water which I characterize as system water loss throughout this direct testimony and the service line and water main replacements required to reduce water loss in the Bisbee and Oracle water systems and the Superstition Division to comply with Commission directives in Decision No. 71845. Specifically, in Decision No. 71845, page 92, lines 26-28 and page 93, lines 1-8, the Commission ordered:

> "That Arizona Water Company shall reduce the non-account water for each of its systems to less than 10 percent by July 1, 2011. For those systems that have not achieved a water loss rate of less than 10 percent by July 1, 2011, AWC should evaluate the systems and prepare a report demonstrating how the Company plans to reduce water losses to less than 10 percent. If the Company contends that reducing water losses to less than 10 percent is not cost effective, it should submit a detailed cost analysis and explanation demonstrating why the water loss reduction to less than 10 percent is not cost effective. Absent extraordinary circumstances, and with compelling supporting documentation, no system should be permitted to maintain non-account water above 15 percent. The water loss report should be filed with Docket Control, as a compliance item in this docket, by no later than December 31, 2011."

III. <u>Post-Test Year Plant Additions</u>

Q. IS THE COMPANY PROPOSING ANY POST-TEST YEAR PLANT ADDITIONS?

A. Yes. The Company is proposing post-Test Year Plant Additions for the Cochise and Superstition Divisions and the Oracle water system be included in Test Year rate base.

Q. PLEASE DESCRIBE THOSE ADDITIONS.

A. Those additions include projects which are identified and described below by water system and Division. Exhibit FKS-1 contains detailed project information and descriptions of utility plant improvements as well as supporting data.

A. <u>Cochise – Bisbee (PWSID No. 02-001):</u>

<u>Waterline Relocation for Arizona Street Drainage and Roadway Safety Improvement Project (WA 1-4692)</u> – The City of Bisbee undertook reconstruction of the Arizona Street roadway, adding a large storm drain collection system and lowering/reconstructing the intersection of Arizona Street and Cole Avenue for safety improvements. These improvements created conflicts with the Company's old and failing water mains and service lines which required their relocation in accordance with the City of Bisbee Franchise Agreement between the Company and the City of Bisbee. A significant portion of the water main replaced was originally installed in 1908, experiencing six recorded leaks in the last three years. Due to the complexity of the project, the City of Bisbee contracted with the Arizona Department of Transportation ("ADOT") to manage the construction project. The City of Bisbee and ADOT worked collaboratively with the Company to incorporate required and necessary water main and service line relocations. ADOT also managed the Company's relocation work due, in large part, to project complexities, construction phasing and the significant impacts to the Company's facilities. The Company was required to pay the City of Bisbee the estimated cost of its construction in advance of the project being bid in accordance with the City of Bisbee's agreement with ADOT. The Company paid the City of Bisbee $93,650.00 on August 11, 2010 for the required and necessary water main and service line relocation work. This project was

completed on June 2, 2011. Final accounting for this project is not complete. The total estimated cost to complete this project is $156,054.

Replace 1,500 LF of Failing 6-inch Steel Waterline with 6-inch DIP along Campbell Street from Hoatson to Cole Street and 460 LF of 8-inch DIP on Cole Street from Arizona Street to Nance Street (WA 1-4767) – As stated previously in Decision No. 71845, the Commission ordered the Company to reduce system water loss to less than 10 percent by July 1, 2011. Based on the Company's detailed water loss evaluation of the Bisbee water distribution system, it was determined that significant portions of the 6-inch steel waterline on Campbell Street and 8-inch steel waterline on Cole Street were failing and needed to be replaced. Maps showing the project location and leak history are included in Exhibit FKS-1. The leak history shows numerous leaks and repairs with 32 leaks recorded in the past 10 years alone. Completion of this project was also critical to the Company's efforts to achieve compliance with Decision No. 71845. In addition, the City of Bisbee was performing a road improvement project in this area. The Company's existing waterline was in conflict with the City's proposed road improvements at several locations. Pursuant to the terms of the City of Bisbee Franchise Agreement, the Company was required to relocate its existing facilities at its own expense. A copy of the franchise agreement is included in Exhibit FKS-1. Due to pavement replacement costs and the poor condition of the existing waterlines, as seen by the significant number of leaks, the waterline was replaced within the boundaries of the City's pavement replacement project. Copies of project cost estimates, proposal/contracts, construction drawings, schedule and completion notice are included in Exhibit FKS-1. This project was completed on March 21,

2011. Final accounting for this project is not complete. The total estimated cost to complete this project is $375,720.

Replace 1,140 LF of Failing 8-inch and 6-inch Steel Waterline with 8-inch DIP on Clawson Avenue from Rupp Avenue to Navajo Trail (WA 1-4795) – As stated previously in Decision No. 71845, the Commission ordered the Company to reduce system water loss to less than 10 percent by July 1, 2011. Based on the Company's detailed water loss evaluation of the Bisbee water distribution system, the Company's engineers determined that significant portions of the 6-inch and 8-inch steel waterline on Clawson Street were failing and needed to be replaced. Maps showing the project location and leak history are included in Exhibit FKS-1. Over 70 repairs have been made to this waterline with 56 leaks in the past 6 years alone. Completion of this project was also critical to the Company's efforts to achieve compliance with Decision No. 71845. Copies of project cost estimates, proposal/contracts, construction drawings, schedule and completion notice are included in Exhibit FKS-1. This project was completed on June 22, 2011. Final accounting for this project is not complete. The total estimated cost to complete this project is $193,147.

B. Oracle (PWSID No. 11-019):

Replace 270 LF of Old and Failing 4-inch Steel with 6-inch DIP on American Avenue and College Drive (WA 1-4798) – As stated previously in Decision No. 71845, the Commission ordered the Company to reduce system water loss to less than 10 percent by July 1, 2011. Based on the Company's detailed water loss evaluation of the Oracle water distribution system the Company's engineers determined that a significant portion of the 4-inch steel waterline at the intersection of American Avenue and College Drive was failing and needed to be replaced. Maps showing the project

location and leak history are included in Exhibit FKS-1. Completion of this project was also critical to the Company's efforts to achieve compliance with Decision No. 71845. Copies of project cost estimates, proposal/contracts, construction drawings, schedule and completion notice are included in Exhibit FKS-1. This project was completed on June 30, 2011. Final accounting for this project is not complete. The total estimated cost to complete this project is $40,113.

Replace 440 LF of Old and Failing 2-inch Galvanized Steel with 6-inch DIP on Discover Street (WA 1-4799) – As stated previously in Decision No. 71845, the Commission ordered the Company to reduce system water loss to less than 10 percent by July 1, 2011. Based on the Company's detailed water loss evaluation of the Oracle water distribution system, the Company's engineers determined that a significant portion of the 2-inch galvanized steel waterline on Discover Street was failing and needed to be replaced. This waterline is over 50 years old and has failed several times resulting in leaks. Maps showing the project location and leak history are included in Exhibit FKS-1. Completion of this project was also critical to the Company's efforts to achieve compliance with Decision No. 71845. Copies of project cost estimates, proposal/contracts, construction drawings, schedule and completion notice are included in Exhibit FKS-1. This project was completed on June 30, 2011. Final accounting for this project is not complete. The total estimated cost to complete this project is $51,218.

Replace 1,100 LF of Old and Failing 2-inch Galvanized Steel with 6-inch DIP on Stewart Road, Truman Street and Sherman Road (WA 1-4800) – As stated previously in Decision No. 71845, the Commission ordered the Company to reduce system water loss to less than 10 percent by July 1, 2011. Based on the Company's detailed water loss evaluation of the Oracle

water distribution system, the Company's engineers determined that significant portions of the 2-inch galvanized steel waterline on Stewart Road, Truman Street and Sherman Road were failing and needed to be replaced. Portions of this waterline are almost 50 years old and have failed several times resulting in leaks. Maps showing the project location and leak history are included in Exhibit FKS-1. Completion of this project was also critical to the Company's efforts to achieve compliance with Decision No. 71845. Copies of project cost estimates, proposal/contracts, construction drawings, schedule and completion notice are included in Exhibit FKS-1. This project was completed on June 30, 2011. Final accounting for this project is not complete. The total estimated cost to complete this project is $87,853.

C. <u>Superstition:</u>

i. Superstition – Apache Junction (PWSID No. 11-004).

<u>Construct Expansion to the Oasis Arsenic Removal Facility from 3.6 million gallons per day ("MGD") to 7.7 MGD (WA 1-4226)</u> – Primarily due to the City of Mesa refusing to continue to treat approximately 3,000 acre-feet per year of the Company's CAP allocation, the Apache Junction water system supply is vulnerable to supply shortages. Based on the Company's detailed supply analysis, attached as Exhibit FKS-3, the Apache Junction water system lacks redundancy and adequate useable groundwater production capacity to reliably meet peak system demands. Exhibit FKS-3 shows that the expansion of the Oasis Arsenic Removal Facility is needed to provide adequate capacity to meet peak system demands and provide supply reliability. The Company constructed a new well (Well No. 19) in 2006 to provide additional supplies within the Apache Junction water system. However, now Well No. 19 does not comply with the arsenic MCL and requires arsenic removal. The Oasis arsenic removal facility has a

maximum treatment capacity of 3.5 million gallons per day ("MGD") which is not adequate to treat both of the Oasis Wells. The expansion of this facility will allow the Company to treat water from Oasis Wells Nos. 13 and 19 and increase the maximum treatment capacity to 7.7 MGD.

In addition, the expansion of this facility will allow a portion of the plant to be taken off line in order to perform maintenance or affect repairs in the event of a plant failure while still maintaining adequate service during peak system demands. Design of the plant expansion began on August 24, 2009 and will be completed on December 30, 2011. Maricopa County issued a building permit on March 3, 2011 and construction of the expansion began on May 4, 2011. A copy of the plans, building permit and proposal/contract are included in Exhibit FKS-1. A copy of the contractor's construction schedule is included in Exhibit FKS-4. The project is on schedule and anticipated to be complete on or about December 30, 2011. This project is anticipated to cost $2,872,069.

Replace obsolete Supervisory Control and Data Acquisition ("SCADA") system computers and operating software (WA 1-4788) – The Superstition Division SCADA system is controlled by two computers in its Apache Junction office; one main computer and one backup computer. A location map is included in Exhibit FKS-1. Failure of these computers would cause a loss of automatic control throughout the system. Industry sources, such as an April 22, 2010 article titled "*Pulling the plug on old hardware: Life-cycle management explained*"[1] lists the average lifespan for a desktop computer as 3 to 4 years depending on use. The existing computers have been in continuous use for over 5 years. Additionally, the software that operates the SCADA system is out of date and must be updated to the

[1] Author, Cara Garretson (April 22, 2010) "*Pulling the plug on old hardware: Life-cycle management explained*", COMPUTERWORLD. Retrieved from: http://www.computerworld.com/s/article/print/9175832/Pulling_the_plug_on_old_hardware.

current version before it can be installed onto the new computer. The updated software will provide improved data conversion and trending capabilities and will help the operators to improve the operational efficiency of the water production and distribution systems. Copies of the project schedule, cost estimates, computer specifications and consulting agreement are included in Exhibit FKS-1. This project was completed on June 7, 2011. Final accounting for this project is not complete. The total estimated cost to complete this project is $14,088.

Pull and replace the pump in Apache Junction Well No. 15 (WA 1-4792) – Well No. 15 developed a severe vibration in the column pipe and had to be shut down in order to prevent further damage to the pumping equipment. Well No. 15 is critical to meeting peak system demands, is needed to provide sufficient flow for backwashing and comprises nearly 25 percent of the Baseline Arsenic Removal Facility capacity. The Company's engineers inspected all pumping equipment removed from the well. The pump was worn beyond repair and the air line and 16 bearings had failed. Forty-two (42) sections of oil tube were severely corroded and were failing at the seams and nine sections of column pipe were also severely corroded. All of the equipment described above need to be replaced prior to returning the well to service to provide a reliable and adequate supply of water to the system and comply with safe drinking water standards. The well casing had severe plugging and was subsequently cleaned, brushed and bailed before being returned to service. A copy of a well video log is also included in Exhibit FKS-1. When compared to the cost of drilling a new well at an estimated cost of $1,257,949 (as shown in Exhibit FKS-2), replacing the pumping equipment, piping and thoroughly cleaning the well was the most cost-effective solution. Copies of the pump design information and

proposal/contract for the pump replacement are included in Exhibit FKS-1. This work was completed on June 3, 2011. Final accounting for this project is not complete. The total estimated cost to complete this project is $35,514.

Replace failed 600 HP size 7 reduced voltage motor starter at Oasis Well No. 13 (WA 1-4833) – In February 2011, the motor starter for Oasis Well No. 13 failed. The motor starter was originally installed in 1995 and repair parts are no longer available from the original equipment manufacturer, third party supplier or from the used equipment market. This well produces 2,620 gallons per minute and represents 23 percent of the total production capacity for the Apache Junction water distribution system (PWSID No. 11-004). This well is critical to meeting peak system demands of the water system. The motor starter was replaced to provide a reliable and adequate supply of water to the system. This project was completed on April 15, 2011. The final cost to complete this project is $14,721.

Pull and replace pump and motor at Apache Junction Well No. 16 (WA 1-4842) – Well No. 16 produces 2,490 gallons per minute, represents nearly 22 percent of the total production capacity for the Apache Junction water system and makes up 48 percent of the Baseline Arsenic Removal Facility capacity. This well is critical to meeting peak system demands and is needed to provide sufficient flow for backwashing the Baseline Arsenic Removal Facility. The Company's engineers inspected all pumping equipment upon its removal from the well. The pump was worn beyond repair, one section of column pipe was split and the pump shaft and bearings for one section of pipe were also worn beyond repair. All of the equipment described above was replaced prior to returning the well to service. This work was completed on June 10, 2011, in advance of an

arsenic removal facility shutdown required as part of the expansion of the Oasis Arsenic Removal Facility (WA 1-4226) as described previously. The Arsenic removal facility shutdown is expected to begin in September 2011 and this well is critical to meeting system demands during this shutdown. This work was needed to provide a reliable and adequate supply of water to the system and comply with safe drinking water standards. Copies of the pump design information and proposal/contract for the pump replacement are included in Exhibit FKS-1. Final accounting for this project is not complete. The total estimated cost to complete this project is $98,677.

ii. Superstition – Miami (PWSID No. 04-002).

Update programming at Well Nos. 12, 27 and 28 (WA 1-4789) – Well Nos.12, 27, and 28 deliver water to the Bandy Heights Tank through a transmission line that parallels State Highway 88. A project location map is included in Exhibit FKS-1. Pursuant to an arsenic blend plan approved by ADEQ, water from Well No. 27 is blended with water from Well Nos. 12 and 28. Well Nos. 12, 27 and 28 receive control signals from the telemetry control radio located at the Bandy Heights Tank. Frequent radio signal communication failures from the tank to the wells have caused the tank to overflow on a number of occasions. When this happens, the system operators travel to each site to troubleshoot the radios and reset the programming, forcing them to resend the control data in order to correct the situation. These communication failures have increased overtime costs and water loss. Programming changes to the radio transmitters have been made to the radios' programs to periodically repeat control signals. Repeating control signals reduces the chance of a tank overflow by ensuring the signal was not lost during its communication transmission. Also, equipment has been installed to provide control flexibility and allow for

individual operation of each well. Copies of the project schedule, cost estimates and proposal/contract are included in Exhibit FKS-1. This project was completed on June 30, 2011. Final accounting for this project is not complete. The total estimated cost to complete this project is $13,800.

Replace 1,645 LF of failing 8-inch CA Waterline with 8-inch DIP along Live Oak Street (US 60) from Marion Street to New Street (WA 1-4794) – As stated previously in Decision No. 71845, the Commission ordered the Company to reduce system water loss to less than 10 percent by July 1, 2011. Based on the Company's detailed water loss evaluation of the Miami water distribution system (PWSID No. 04-002), the Company's engineers determined that a significant portion of the 8-inch CA waterline on US Hwy. 60 was failing and needed to be replaced. Maps showing the project location and leak history are included in Exhibit FKS-1. The leak history shows numerous leaks and repairs with 9 leaks in the past 6 years alone. Completion of this project was also critical to the Company's efforts to achieve compliance with Decision No. 71845. Copies of project cost estimates, proposal/contracts, construction drawings, schedule and completion notice are included in Exhibit FKS-1. This project was completed on June 10, 2011. Final accounting for this project is not complete. The total estimated cost to complete this project is $156,984.

iii. Superstition – Superior (PWSID No. 11-021):

Install one 12-inch in-line high pressure isolation valve for Superior Transmission Line (WA 1-4787) – A 12-inch transmission line extending 26 miles from Florence Junction to the Town of Superior supplies all of the water to the Superior water distribution system and operates at pressures up to 800 psi. Originally installed in 1973, repair parts for the

existing transmission line isolation valves are no longer available. When a leak or break develops, because of the distance between isolation valves, it takes several hours to drain the line resulting in significant labor costs and, on average, the loss of over 100,000 gallons of water. Installation of this additional isolation valve will help to reduce water loss and help to lower repair costs. Due to high operating pressures, specialty of design and high cost of purchase and installation, the Company is planning to install one new additional isolation valve each year until one valve per mile has been achieved. A location map, cost estimates, proposal/contract and construction pictures are included in Exhibit FKS-1. This project was completed on May 5, 2011. Final accounting for this project is not complete. The total estimated cost to complete this project is $21,620.

Trench and backfill Queen Creek Tank fill line (WA 1-4793) – The Queen Creek Tank fill line is an 8-inch transmission line that transmits water from the 12-inch transmission line referenced above to the Queen Creek Tank and provides the source of water to the Town of Superior. A project map is included in Exhibit FKS-1. In Decision No. 71845, the Commission ordered the Company to reduce system water loss to less than 10 percent by July 1, 2011. An increasing frequency of leaks and repairs has been reported on this line. Company engineers have investigated the leaks and determined the primary cause of the leaks is due to failing pipe gaskets. The line was installed above ground in 1973. The gaskets have become weathered and brittle over time due to exposure to the sun and the elements causing an increase in the frequency of leaks and repairs and higher water loss. Pictures of the above-ground line are included in Exhibit FKS-1. The waterline tends to move due to expansion and contraction of the pipe caused by seasonal temperature changes. The gaskets, in their brittle

condition, develop leaks caused by movement from the frequent expansion and contraction. Erosion of the soil around the pipe installation has caused additional movement and leaks. The pipe itself is in serviceable condition and does not need to be replaced. As a cost savings measure, repairs to the existing line were made by reusing the existing pipe and replacing the gaskets rather than installing a new line. At the same time when these old brittle gaskets were replaced with new gaskets, the line was buried to prevent future weathering of the gaskets and movement of the pipe. Cost estimates, proposal/contract, construction drawings, schedule, pictures of the repairs and completion notice are included in Exhibit FKS-1. This project was completed on June 13, 2011. Final accounting for this project is not complete. The total estimated cost to complete this project is $186,769.

IV. Description of Company-Funded Construction Budgeting Procedures

Q. HOW DOES THE COMPANY DETERMINE WHICH PROJECTS TO FUND IN A GIVEN BUDGET YEAR AND WHAT PROCEDURE DOES THE COMPANY USE TO IDENTIFY A COMPANY-FUNDED UTILITY PLANT CONSTRUCTION PROJECT?

A. Each year, the Company prepares a detailed construction budget for each of its eleven consolidated water systems for the next year. The budgeting process starts with each Division Manager preparing a proposed construction budget for utility plant additions in the water systems they manage. Within the proposed construction budget, each Division Manager identifies the water facilities needed to improve or maintain service to existing customers. For example, Division Managers propose construction projects such as storage tanks, replacement of, or increases in capacity of, booster pump stations, new wells or replacement of water mains or

transmission lines. These recommendations are made to ensure safe, reliable and adequate water service.

The proposed construction projects are then reviewed and analyzed by the Company's engineering staff, who further research and evaluate the need for each project. Data supporting each project is collected and the engineering staff develops preliminary schematics and cost estimates. Engineering staff also review current and projected water system demands and evaluate production, pumping and storage capacities available to meet such demands. Additional factors reviewed and analyzed include compliance with applicable codes, ordinances and safe drinking water standards, trends in source water quality and changes in regulations that may affect continued compliance with drinking water standards.

Several days are set aside each year for Division Managers, engineering staff, operations staff and senior management to meet at each Division office to collectively review and discuss each proposed construction project. A field visit is subsequently conducted to review and discuss large-scale construction projects. The proposed projects are then prioritized and a final construction budget is prepared and presented to the Company's Board of Directors for review and approval.

Q. WHO DETERMINES HOW MUCH WILL BE ALLOCATED AND APPROVED FOR COMPANY-FUNDED PROJECTS?

A. The Company's Board of Directors establishes the dollar amount of the annual construction budget. Under normal circumstances, the construction budget would increase each year to reflect increasing costs of construction due to increases in the costs of materials and labor, general inflation and additional regulatory requirements. Since the end of 2007, however, the Company's construction budget has been significantly reduced due to the

Company's financial condition. For example, the Company's 2008 capital budget was reduced from $18.9 million to $8.1 million. Additional reductions for the next three budget years were required, further reducing the Company's 2009, 2010 and 2011 capital budgets to $5.0 million, $6.6 million and $8.8 million, respectively.

Q. HOW DO YOU IMPLEMENT THE COMPANY'S CONSTRUCTION BUDGET?

A. Upon the Board of Directors' approval of the Company's construction budget, the Company's Engineering department prepares detailed construction plans for the utility plant additions and obtains the required regulatory permits and approvals. Once the required approvals are received, the Engineering department releases the project to construction. The Company's Engineering department solicits competitive bids for major water infrastructure, such as booster pump stations, storage tanks and new wells. The Division Managers solicit competitive bids from a list of qualified independent contractors for most pipeline projects. All other factors being equal, these projects are awarded to the qualified contractors submitting the lowest bids.

Q. DOES THE COMPANY FUND INFRASTRUCTURE NEEDED TO SERVE NEW DEVELOPMENTS?

A. No. Developers' infrastructure requirements are funded by the developers through advances or contributions as their projects proceed.

Q. ARE DEVELOPER ADVANCED FUNDS FOR WATER FACILITIES INCLUDED IN THE COMPANY'S ANNUAL CAPITAL BUDGET?

A. No.

Q. HOW ARE DEVELOPERS' WATER FACILITY REQUIREMENTS DETERMINED AND BUDGETED?

A. The Company works with developers to determine the water facilities needed to serve their developments. Such facilities include waterlines, fire hydrants, water services and water meters. However, for larger developments, water storage tanks, booster pump stations, wells and water treatment plants may also be needed. These types of facilities are included in main extension agreements between the Company and developer. Developers fund this infrastructure and the project timing is entirely dependent on the developer's construction schedule. Since the Company does not fund these infrastructure requirements, it does not include developer advances or contributions in its annual capital budget.

Q. WHAT IS THE PERCENTAGE BREAKDOWN OF COMPANY-FUNDED UTILITY PLANT VERSUS DEVELOPER-FUNDED UTILITY PLANT ADDED SINCE THE LAST RATE APPLICATION INCLUDING THE EASTERN GROUP?

A. With the ongoing recession, the rate of developer-funded utility plant additions has dropped sharply with the cessation of building in the Eastern Group. Because of the Company's reduced annual construction budgets, Company-funded utility plant additions have also decreased. In the Eastern Group, developers funded 35.9 percent of the total utility plant added between January 2008 and December 2010, whereas the Company has funded 64.1 percent of utility plant added during this same time period.

V. <u>Description of Company-Funded Utility Plant Additions For The Eastern Group</u>

Q. PLEASE SUMMARIZE THE COMPANY-FUNDED UTILITY PLANT ADDED TO THE EASTERN GROUP SINCE DECEMBER 31, 2007.

A. From the beginning of 2008 through June 30, 2011, the Company annually funded construction projects for each Eastern Group system to maintain or replace infrastructure, address water loss, resolve operational problems, meet safety requirements, comply with safe drinking water standards and make the utility plant additions needed to maintain safe, reliable and adequate water service to its customers.

The cost of the utility plant additions for the six water systems in the Eastern Group represent infrastructure needed to maintain reliable and adequate water service. A summary of the cost of these utility plant additions is as follows:

ARIZONA WATER COMPANY Eastern Group Company-Funded Utility Plant Added From 2008 to June 30, 2011[2]	
System	**Plant Added**
Superstition	$ 7,033,028
Cochise	$ 3,024,287
San Manuel	$ 291,031
Oracle	$ 550,012
SaddleBrooke Ranch	$ 5,505
Winkelman	$ 51,583

The following table summarizes the quantity of Company-funded water mains by pipe diameter added to each water rate system since the last rate case.

[2] Excludes Oasis Arsenic Removal Facility, which is scheduled for completion on or before December 30, 2011.

Linear Feet of Company-Funded Water Pipelines Added From January 1, 2008 thru June 30, 2011

Water Main Diameter	Cochise	Oracle	SaddleBrooke Ranch	San Manuel	Superstition	Winkelman
6-inch	4882	1820	-	-	2146	-
8-inch	4086	-	-	-	3322	-
12-inch	730	-	-	-	341	-
16-inch	-	-	-	1000	-	-
24-inch	-	-	-	-	-	-

A summary of the capital investments listed separately by water system, are shown below:

A. Cochise:

i. Bisbee (PWSID No. 02-001)

In Bisbee, capital expenditures increased due to the required replacement of failed or failing water mains to comply with the Commission's directive in Decision No. 71845 and in coordination with the City of Bisbee roadway improvement and safety enhancement projects. In addition to the water main replacements, replacements of failed or failing pump and motor equipment at the Company's well field and booster pump station were required. A list of significant projects completed for this water system is included in the following table:

Plant Addition Summary For PWSID No. 02-001
Project Description
Replace 1,700 LF of failing 6-inch steel with 8-inch steel along Highway 80 from Old Bisbee to Lowell Circle
Replace 300 HP motor and starter at Naco booster pump station for booster pump No. 4
Pull and replace pump and motor at Naco Well No. 3
Pull and replace pump and motor at Naco Well No. 5
Replace 248 LF of failing 6-inch steel and 2-inch G.S. with 6-inch DIP and 2-inch copper pipe at the intersection of Park Avenue and 2nd Street to accommodate the City of Bisbee road improvement project
Replace the failed computer and outdated SCADA software at the Bisbee office
Relocate 730 LF 10-inch steel water main in the Tin Town area to accommodate Freeport-McMoRan's soil remediation project
Replace 116 LF of 6-inch steel With 120 LF of 6-inch Dip with Polywrap Along West Vista Road South of Congdon Avenue.

ii. Sierra Vista (PWSID No. 02-004)

In Sierra Vista, capital expenditures have primarily focused on the replacement of failed or failing motors and pumping equipment and their related improvements. A list of significant projects completed for this water system is included in the following table:

Plant Addition Summary For PWSID No. 02-004
Project Description
Replace the failed tablet chlorinator with a liquid chlorinator at the Fuller Well and Tank Site
Pull and replace the pump and motor at Greaves Well No. 6
Pull and replace the pump and motor at Stuart Well No. 5
Construct an 8-inch pressure regulator station west of Hummingbird Drive and north of Golf Links Road
Repair the 75HP right-angle drive at the Fuller Well
Pull and replace the pump and motor at Village Meadows Well No. 1
Replace the failed computer and outdated SCADA software

B. Oracle (PWSID No. 11-019):

In Oracle, capital expenditures have focused on the replacement of failed or failing water mains to comply with the Commission's directive in Decision No. 71845. To improve system reliability, add enhanced

monitoring capabilities and reduce water loss caused by pump control signal errors and leading to overflowing of tanks, the Company has replaced approximately seven obsolete and failing radios. A list of significant projects completed for this water system is included in the following table:

Plant Addition Summary For PWSID No. 11-019
Project Description
Rebuild the foundation at Well No. 3 and repair the failed gabions
Replace failing radio controls and install SCADA monitoring at booster pump station Nos. 2, 3 and 4

C. **SaddleBrooke Ranch:**

The SaddleBrooke Ranch water system is new and has been funded by the developer through water facilities advanced or contributed to the Company through main extension agreements. This water system is now physically interconnected with the Company's Oracle water system, improving system reliability and redundancy for the Oracle and SaddleBrooke Ranch water systems. There are no significant Company-funded capital projects within the SaddleBrooke Ranch water system.

D. **San Manuel (PWSID No. 11-020):**

In San Manuel, capital expenditures have primarily focused on the replacement of two failed or failing booster pump station headers and related valves. The water supply for the San Manuel water system is pumped through two pump stations, which include a primary header and pump discharge piping. Pump station valves were old, inoperable and leaking which was contributing to the systems water loss. Both discharge header piping and valves have been replaced.

A list of significant projects completed for this water system is included in the following table:

Plant Addition Summary For PWSID No. 11-019
Project Description
Repair the leaking valves and failing piping header at booster pump station No. 1 (250 Pumphouse)
Repair the leaking valves and failing piping header at pump station No. 2 (750 Pumphouse)

E. Superstition:

i. Apache Junction (PWSID No. 11-004)

In the Apache Junction water system, capital expenditures have primarily focused on replacing failing pumps and motors; relocating water lines impacted by City of Apache Junction and Maricopa County public right-of-way improvement projects; and upgrading the Superstition SCADA system software and computers. A list of significant projects completed for this water system is included in the following table:

Plant Addition Summary For PWSID No. 11-004
Project Description
Install new tank outlet and replace tank valve and piping from tank to existing booster pump station
Construct building around existing pump station to attenuate/control noise
Update SCADA system connectivity for remote access and monitoring
Pull and replace pump and motor at Well No. 14
Abandon 440 LF of 6-inch CA and tie over services to existing 12-inch CA on Broadway west of Tomahawk Road
Purchase updated Pinal County electronic quarter section maps for water distribution mapping
Pull and replace motor at Well No. 15
Pull and replace 300 HP Motor at Baseline booster station
Vertical Realignment - replace 350 LF of 12-Inch and 70 LF 6-Inch CA with 12-Inch and 6-Inch DIP along Ironwood Drive to Broadway Avenue to accommodate the City of Apache Junction Storm Drain Project

ii. Miami (PWSID No. 04-002)

In the Miami water system, capital expenditures have primarily focused on replacing failing pumps and motors, replacement of waterlines to

address water loss to comply with the Commission's directive in Decision No. 71845 and the rehabilitation of a well due to its failing well casing. Water production in Miami is provided by a large number of groundwater wells. As such, the water system experiences a significant amount of well pump and motor replacements annually.

A list of significant projects completed for this water system is included in the following table:

Plant Addition Summary For PWSID No. 04-002
Project Description
Pull and replace pump and motor at Well No. 26
Replace the failed tablet chlorinator with a liquid chlorinator at Well No. 26
Pull and replace Well No. 12 and install new starter panel
Install a line stop, new valve and couplings and required piping for water main shut down
Replace pump, motor and control valves at Well Nos. 27 and 28 and upgrade electrical panel at Well No. 28
Pull and replace pump and motor, re-wire electrical panel at Well No. 12
Pull and replace motor at Well No. 27. Submersible motor failure
Rehabilitate well. Install a new well liner, pull pump and motor at Well No. 6

iii. Superior (PWSID No. 11-021)

In the Superior water system, capital expenditures have primarily focused on replacing failing pumps and motors; installation of high pressure transmission line isolation valves to facilitate transmission line repairs and reduce water loss to comply with the Commission's directive in Decision No. 71845; and upgrades to the Superstition Division's SCADA system software and computers, providing monitoring and improved control of the remotely located arsenic removal facility (Superior). A list of significant projects completed for this water system is included in the following table:

Plant Addition Summary For PWSID No. 11-021
Project Description
Install SCADA controls and RTU/PLC panels at the Desert Wells pump station
Construct an addition at the Superior warehouse - relocate customer service office to new location
Replace failed plastic nozzles with Stainless Steel nozzels at the Desert Station Arsenic Removal Facility
Pull and replace the well pump and motor at Desert Station Well No. 3
Install SCADA Controls for the Desert Wells pump station at the Superior Warehouse
Install 12-inch high-pressure isolation valve on the transmission line from the Desert Wells pump station to Superior

F. Winkelman:

In the Winkelman water system, capital expenditures have been reduced primarily focusing on replacement of smaller capital items. There are no separately identified Company-funded capital projects within the Winkelman water system.

VI. Proposed Treatment Plant (i.e., Arsenic Removal Facility) Additions

Q. DOES THE COMPANY INTEND TO CONSTRUCT ADDITIONAL ARSENIC REMOVAL FACILITIES IN THE EASTERN GROUP?

A. Yes. Construction of the Oasis Arsenic Removal Facility expansion is underway and the Company is planning to expand the capacity of its Baseline Arsenic Removal Facility.

Q. WHY IS THE COMPANY EXPANDING THE TREATMENT CAPACITY OF THE OASIS ARSENIC REMOVAL FACILITY?

Primarily due to the City of Mesa's refusal to continue to treat approximately 3,000 acre-feet per year of the Company's CAP allocation, the Apache Junction water system (PWSID No. 11-004) supply is vulnerable to supply shortages. Without this CAP treatment capacity, this water system lacks redundancy and adequate capacity to reliably meet peak system demands. Based on the supply analysis completed by the Company attached as Exhibit FKS-3, expansion of the Oasis Arsenic Removal Facility is needed to

provide adequate capacity to meet peak system demands and provide supply reliability. Currently, the arsenic removal facility can treat 3.5 MGD. The Company constructed a new well in 2006 to provide additional supplies within the Apache Junction water system and expansion of this facility will allow the Company to treat water from both Wells Nos. 13 and 19 and increase treatment capacity to 7.7 MGD.

Q. WHEN WILL THE PLANT CONSTRUCTION BE COMPLETED?

A. Construction of the expansion began on May 4, 2011. Currently, the project is on schedule for completion on or about December 30, 2011. A copy of the selected contractor's construction schedule is attached as Exhibit FKS-4.

Q WHAT IS THE COST TO DESIGN AND CONSTRUCT THE OASIS EXPANSION?

A. The cost to design and construct the expansion of the Oasis Arsenic Removal Facility is $2,872,069.

Q. IS THIS UTILITY PLANT INCLUDED IN THIS RATE APPLICATION?

A. Yes. The cost for this expansion is included in this rate application as post-Test Year Plant.

Q. WHY DOES THE COMPANY ALSO PLAN TO EXPAND THE TREATMENT CAPACITY OF THE BASELINE ARSENIC REMOVAL FACILITY?

A. The existing capacity of the Baseline Arsenic Removal Facility is 6.5 MGD. In order to provide adequate supplies of water and improve system reliability, the capacity of Well No. 16 was increased to 2,500 gallons per minute ("GPM") and the Company drilled and equipped Well No. 18 in 2006 which produces 1,000 GPM. The Company needs to expand the Baseline Arsenic Removal Facility to 8.6 MGD to accommodate this additional source of supply.

The Company's Baseline Arsenic Removal Facility expansion is being designed and constructed to ensure adequate supply and reliability to meet peak system demands.

Based on the supply analysis completed by the Company, attached as Exhibit FKS-5, an additional source of supply is required. This analysis determined that using the Company's existing wells was the least costly option to provide the additional source of supply as opposed to drilling and equipping new wells and constructing new arsenic removal facilities. These wells are currently used to back-up other supplies in the event of a well pump or motor failure. To fully use existing well capacity to meet peak demands, additional arsenic removal capacity is required.

The Company's analysis also determined that the least costly option for removing arsenic from available supplies is to expand the existing capacity of the Baseline Arsenic Removal Facility.

Q. WHAT IS THE ESTIMATED COST TO EXPAND THE BASELINE ARSENIC REMOVAL FACILITY AS YOU HAVE STATED?

A. The Company estimates the cost to design, permit and construct the Baseline Arsenic Removal Facility to be $1,846,017 and a copy of the preliminary cost estimate is attached as Exhibit FKS-6.

Q. WHAT IS THE STATUS OF THE BASELINE EXPANSION?

A. The preliminary design effort on this arsenic removal facility expansion is under way. Preliminary construction plans have been completed and are included in Exhibit FKS-1. The preliminary schedule for completion of the Baseline expansion is shown below.

ACTIVITY	DURATION – START – COMPLETION
Final Design and Permitting	8 months. Beginning June 1, 2013
Bidding	1 month
Equipment Procurement	5 months
Construction	8 months. Completion date of March 1, 2015

The following table lists wells which currently supply water to the Baseline Arsenic Removal Facility:

WELL NO.	CAPACITY
Well No. 12	650 gpm
Well No. 14	550 gpm
Well No. 15	1250 gpm
Well No. 16	2500 gpm
Well No. 18	1000 gpm

As noted, the expansion of this plant will provide for full use of well capacities within this water system and postpone the need for additional supplies for this area.

Q. HOW IS THE COMPANY PROPOSING TO RECOVER THE COST OF EXPANSION OF THE BASELINE ARSENIC REMOVAL FACILITY?

A. The Company is proposing to recover the cost of expansion of the Baseline Arsenic Removal Facility through continuation of the ACRM, as addressed in Mr. Garfield's and Mr. Harris' testimony.

In Decision No. 71845, the Commission authorized continuation of the ACRM in the Company's Sedona and Superstition water systems. Mr. Harris also discusses continuation of the ACRM in his direct testimony.

Q. ARE THERE ANY OTHER WATER SOURCES IN THE EASTERN GROUP THAT MAY REQUIRE TREATMENT FOR ARSENIC?

A. Not at this time. The Company monitors all of its sources of supply for various constituents to ensure they comply with the Safe Drinking Water Act, including the federally mandated arsenic MCL. The arsenic levels in some Eastern Group water system wells have been increasing; and it is likely that additional arsenic removal facilities may be required in the future.

VII. Transmission and Distribution System Maintenance

Q. ARE EFFORTS TO REDUCE WATER LOSS LIMITED TO CAPITAL EXPENDITURES ASSOCIATED WITH REPLACING AGING INFRASTRUCTURE?

A. No. A significant amount of the Company's effort to reduce water loss is focused on maintenance of its transmission and distribution ("T&D") systems. The Company incurs a significant amount of operating and maintenance expenses to maintain its T&D systems by locating and repairing main breaks and service leaks. In 2010, the Company incurred $2,633,423 in T&D maintenance expenses for its water systems. In comparison, the Company's capital budget was $6.6 million. In other words, the Company incurred T&D maintenance costs equivalent to 40 percent of its capital budget. Between January 2008 and December 2010, the Company repaired over 1,300 leaks or nearly two leaks repaired each workday as shown in the table below.

Water Main and Service Line Leaks

YEAR	LEAKS REPAIRED
2008	327
2009	461
2010	517

Q. HAS THE COMPANY BEEN ABLE TO MAINTAIN ITS NORMAL LEVEL OF T&D SYSTEM MAINTENANCE WITH THE CURRENT ECONOMIC CONDITIONS AND ITS COST REDUCTION EFFORTS?

A. No. As explained by Mr. Harris in his direct testimony, the Company implemented a number of significant, but temporary, cost-cutting measures in response to the economic downturn beginning in 2008, including a focused reduction in the level of costs devoted to the maintenance of the Company's T&D systems to minimal levels sufficient to maintain adequate and reliable service. As discussed in Mr. Reiker's direct testimony, the Company succeeded in reducing T&D maintenance expenses by over $770,000, or 23.0 percent from 2007 levels. However, a consequence of the Company's cost-cutting measures was a further (though temporary) limitation in the Company's ability to adequately respond to and reduce water loss.

Q. CAN THE COMPANY CONTINUE TO REDUCE WATER LOSS AND MAINTAIN ITS T&D SYSTEMS EFFECTIVELY WITHOUT INCREASING THE AMOUNT EXPENDED ON THESE EFFORTS?

A. No. The continued reduction and deferral of T&D maintenance (and associated expenses) will cause long-term maintenance problems and increased water loss. It is vital that, besides replacing old failing waterlines, the Company also increases spending to maintain its T&D systems back to more normal levels so it can adequately maintain and prolong the useful lives of such infrastructure and continue to reduce water loss. Though cost-cutting measures in 2008 (due to the recession) were meant to be only for the short-term, they were not intended as long-term reductions.

Q. HOW WILL THE COMPANY BE ABLE TO REDUCE WATER LOSS IF T&D EXPENSES WERE REDUCED TO ABNORMALLY LOW LEVELS THROUGH COST-CUTTING MEASURES IN 2008?

A. This can be accomplished by increasing proactive efforts to reduce water loss through preventive, rather than corrective, maintenance. However, resources above those currently existing are required in order to do so. The adjustment to maintenance expense proposed by Mr. Reiker accomplishes this.

Q. WILL THE COMPANY BE ABLE TO COMPLY WITH THE COMMISSION'S DIRECTIVE TO REDUCE WATER LOSS TO LESS THAN 10 PERCENT FOR ALL OF ITS SYSTEMS WITHOUT INCURRING ADDITIONAL T&D EXPENSES?

A. No. A critical aspect of the Company's efforts to reduce water loss includes locating and repairing water main and service line leaks and breaks, all of which are ongoing maintenance expenses and not capital expenditures.

Q. WILL THE COMPANY BE BETTER POSITIONED TO COMPLY WITH THE COMMISSION'S WATER LOSS REDUCTION DIRECTIVE IF THESE ADJUSTMENTS ARE APPROVED?

A. Yes.

VIII. <u>Off-Site Facilities Fee</u>

Q. WHAT IS THE AMOUNT OF THE COMPANY'S PROPOSED OFF-SITE FACILITIES FEE?

A. As discussed in Mr. Harris' direct testimony, the proposed Off-Site Facilities Fee tariff is $3,500 for each new service connection with a 5/8 x 3/4-inch meter and the amount increases for larger meter sizes. The proposed Off-Site Facilities Fee tariff is also included in Mr. Harris' direct testimony.

Q. WHAT FACILITIES DOES THE COMPANY PROPOSE TO FUND WITH THIS OFF-SITE FACILITIES FEE?

A. The Company intends to use Off-Site Facilities Fees to fund major regional water supply and treatment facilities needed to meet the water supply requirements of the Company's growing customer base expected in the future. The facilities are primarily the Superstition CAP Regional Surface Water Treatment Plant ("Superstition CAP Treatment Plant") and the necessary T&D mains, storage tanks and booster pump stations needed to treat, store, pump and ultimately provide safe, reliable and adequate water service. This will also facilitate a transition to sustainable supplies. Sustainable supplies are needed to meet the needs of increased customers projected in the future in this area without added reliance on precious groundwater supplies. The preliminary estimated cost to design and construct the Superstition CAP Treatment Plant and all related infrastructure facilities is approximately $8.8 million, as detailed in Exhibit FKS-7.

Q. PLEASE DESCRIBE THE SUPERSTITION CAP TREATMENT PLANT.

A. The Superstition CAP Treatment Plant is a surface water treatment plant being planned and designed to provide a renewable water source of supply for the Company's Apache Junction and Superior water systems within the Superstition Division. The Superstition Division has an annual CAP allocation of 6,285 acre-feet, representing a total need for nearly 6.0 MGD of treatment capacity. Additional available CAP water allocations may also become available in the future. A copy of the Superstition CAP Treatment Plant Siting study is included as Exhibit FKS-8.

Q. DOES THE CONSTRUCTION OF THE SUPERSTITION CAP TREATMENT PLANT REQUIRE SIGNIFICANT CAPITAL?

A. Yes. At an estimated cost of $8.8 million, this represents one of the Company's largest capital projects. Mr. Harris has provided direct testimony describing the Company's proposed Off-Site Facilities Fee tariff to fund the Superstition CAP Treatment Plant and its related infrastructure.

Q. WHAT WILL THE RATE IMPACT BE FOR EXISTING SUPERSTITION DIVISION CUSTOMERS BY USING FACILITIES FEES TO FUND CONSTRUCTION OF THE SUPERSTITION CAP TREATMENT PLANT?

A. There will be no rate impact. As described in Mr. Harris' direct testimony, the Superstition CAP Treatment Plant will be funded by developers from Off-Site Facilities Fees and not by the Company. As a result, those fees will be recorded as contributions in aid of construction and are not included in rate base. Existing customers will not have to pay for these facilities if they are funded through Off-Site Facilities Fees.

Q. WHY DOES THE COMPANY CONSIDER THE PROPOSED SUPERSTITION CAP TREATMENT PLANT TO BE A REGIONAL PLANT?

A. Because it will be treating the Company's Apache Junction and Superior CAP allocations for use within both of these systems. The service area of these two water systems comprises approximately 152 square miles.

Q. HOW MANY CONNECTIONS COULD BE SERVED BY THE SUPERSTITION CAP TREATMENT PLANT?

A. Based on the average residential water usage in the Apache Junction and Superior water systems of 7,633 gallons per month (*See* Schedule H-2, Page 4 of the Company's Application), or 0.28 acre-feet per year, at build-out capacity, the Superstition CAP Treatment Plant could supply up to

22,446 residential units. Based on the first phase capacity of 3.0 MGD (3,360 acre-feet annually), the Superstition CAP Treatment Plant will have the capacity to supply approximately 12,000 residential units. In addition to the Company's existing Superstition allocations, there is the potential to secure contracts for non-Indian agricultural priority CAP water and to lease CAP supplies from other subcontractors.

Q. IN ADVANCE OF CONSTRUCTION, WHAT OTHER STEPS WILL THE COMPANY TAKE TO PREPARE FOR THE SUPERSTITION CAP TREATMENT PLANT AND RELATED FACILITIES?

A. There are several engineering tasks that must be completed in advance of the construction. These include:

1. Acquiring real property for the treatment plant.
2. Acquiring rights-of-way, permits or easements.
3. Submit design and construction drawings to the U.S. Department of the Interior's Bureau of Reclamation and ADEQ for environmental approvals.
4. Obtaining a Pinal County Conditional Use Permit.
5. Coordinating with the local power company to bring power to the Superstition CAP Treatment Plant and its associated booster pump stations and to establish telecommunication, sewer and other utility or supporting services.

Upon completion of the above-referenced engineering tasks, the Company will prepare necessary documents to bid the design, which will culminate in the completion of full construction drawings for the Superstition CAP Treatment Plant.

Q. WHAT IS THE CURRENT STATUS OF THE SUPERSTITION CAP TREATMENT PLANT?

A. As noted previously in my direct testimony, the Company has completed a siting study to determine the most cost-effective and optimal location. In addition to the siting study, the Company has also completed an evaluation of treatment processes, a conceptual site plan, equipment sizing and process flow diagram. A copy of this report is attached as Exhibit FKS-9.

Q. WHAT TREATMENT PROCESS WAS SELECTED FOR THE SUPERSTITION CAP TREATMENT PLANT?

A. Based on the quality of CAP surface water and constituents required to be removed, the needs of the Apache Junction and Superior water systems and size of the treatment facility needed, the selected treatment process uses a microfiltration/ultrafiltration membrane type filtration treatment system.

Q. WHAT ARE THE PRIMARY COMPONENTS OF A MICROFILTRATION/ ULTRAFILTRATION ("MF/UF") SURFACE WATER TREATMENT PLANT?

A. The primary components in order of the actual process are as follows:

- Raw water pump station;
- Addition of an oxidant and coagulant (Potassium Permanganate and Powder Activated Carbon);
- Rapid mixer;
- Membrane (i.e., MF/UF) filtration;
- UV disinfection followed by chlorination;
- Finished water storage; and,
- Finished water pump station.

The process flow diagram for the Superstition CAP Treatment Plant is included in the report attached as Exhibit FKS-9.

Q. WHAT ARE THE PRIMARY ADVANTAGES OF CONSTRUCTING A MICRO/ULTRA FILTRATION SURFACE WATER TREATMENT PLANT IN THIS APPLICATION?

A. The primary advantages of a MF/UF water treatment plant for small to medium yield systems over a conventional water treatment plant are as follows:

- Smaller footprint which requires less real property lowering the cost of construction;
- The Water Treatment Plant ("WTP") could be easily expanded for additional capacity because of its modular design;
- Reduced amount of pretreatment chemicals used such as coagulants and chlorine;
- Ability to respond to varying water system demands by increasing the WTP production capacity;
- Consistent performance (i.e., quality of water), in terms of particle and microbial removal;
- Provides greater than 4 log (i.e., 99.99 percent) removal of bacteria, Giardia cysts and cryptosporidium cysts in the permeate or finished water prior to disinfection;
- Reduced residual waste stream because of the reduced amount of pretreatment and backwash water coagulant chemicals used; and,
- The reduced amount of chemicals used in the MF/UF WTP process contributes to lower construction and operational costs.

Q. WHEN DOES THE COMPANY EXPECT TO START CONSTRUCTION OF THE SUPERSTITION CAP TREATMENT PLANT AND ASSOCIATED FACILITIES?

A. Construction of the Superstition CAP Treatment Plant and related infrastructure facilities will start when sufficient funds are collected from the proposed Off-Site Facilities Fee. Collection of the required funds is dependent on customer growth in the Superstition Division. Exhibit FKS-10 depicts the construction schedule anticipated for this sustainable supply water facility based on current growth projections.

Q. WILL THE SUPERSTITION CAP TREATMENT PLANT BE CONSTRUCTED IN PHASES?

A. Yes. The phasing of the proposed infrastructure related to the Superstition CAP Treatment Plant is depicted in Exhibit FKS-10. Once the real property is acquired and the treatment plant and pipeline design and permitting are complete, the treatment plant is expected to be constructed within a 24-month time period, as described in Exhibit FKS-11.

IX. <u>Reducing Water Loss – Current Program</u>

Q. HOW DOES THE COMPANY MEASURE AND REPORT WATER LOSS?

A. The Company calculates and reports water loss in accordance with ADWR requirements, specifically in accordance with ADWR's Third Management Plan. Each Management Plan defines water loss and establishes the methods for calculating its percentage. For the Company's water systems not regulated under ADWR's Management Plan, the same methodologies are employed.

For the Third Management Plan, ADWR allows water providers to exclude certain non-revenue water used for specific purposes from the water loss calculation. Those allowed non-revenue system uses are

summarized in section 5.7.6.2 of the Third Management Plan titled, "Distribution System Requirements" and are listed in detail in Appendix 5-M. The Company uses the Third Management Plan water loss calculation methods in accordance with Appendix 5-M. Pertinent excerpts from the ADWR Third Management Plan for the Phoenix Active Management Area are attached as Exhibit FKS-12.

Q. PLEASE DESCRIBE THE COMPANY'S EFFORTS TO REDUCE WATER LOSS IN ITS SYSTEMS, SPECIFICALLY THE EASTERN GROUP WATER SYSTEMS THAT ARE THE SUBJECT OF THIS GENERAL RATE CASE.

A. Reducing water loss within the Company's water systems is an ongoing and concerted effort by the Company. These water systems include community and non-community water systems. Water loss for each system is tracked monthly and analyzed by each Division Manager. Division Managers direct employees to monitor, locate and repair leaks using the Company's leak detection equipment and track and record those efforts each month. The Company's upper management reviews monthly reports from the Division Managers that detail their activities in detecting, locating and repairing leaks. This information is closely monitored and carefully scrutinized to ensure that water loss is kept to a cost-effective minimum.

Q. WHAT DO YOU MEAN BY "COST-EFFECTIVE MINIMUM"?

A. By "cost-effective minimum", I am referring to the level of system water loss that normally occurs as part of water system operations without: (1) having to divert financial resources from projects that are more urgent and necessary to ensure the provision of reliable and adequate service; and (2) requiring a level of investment that would be unduly burdensome on the Company's very limited capital budget and on customers' rates.

Q. YOU ALSO MENTIONED THAT THE COMPANY USES LEAK DETECTION EQUIPMENT. IS THIS EQUIPMENT USED IN THE EASTERN GROUP WATER SYSTEMS?

A. Yes. For a complete description of the Company's leak detection equipment, see Section 3.2 of Exhibit FKS-13. To provide for a more effective ongoing leak detection program, reducing water loss has been fully integrated into the Company's daily operations. The Company purchased leak detection equipment so that its employees can perform the required leak surveys, as described below.

In 2003, the Company purchased its first digital leak correlator and a digital data logger for use in locating leaks. Training was provided to a number of the Company's employees. Based on the initial success in using this equipment, the Company purchased a second set of leak correlators and digital data loggers. This equipment is used throughout the Company and the Company's system operators have become more proficient and experienced with the use of these types of equipment. As a result, the Company purchased additional digital leak correlators. Currently, each Division has and routinely uses at least one set of leak correlators. In systems where additional digital leak correlators were needed to adequately maintain the system, the Company authorized the purchase of two units. Currently, the Company owns eight digital leak correlators and four digital data loggers, which are used throughout the Company's water systems. The Company intends to purchase two additional digital data loggers in 2012. Once these two additional digital data loggers are purchased, each Division manager will have a set of digital data loggers. For a complete description of the Company's leak detection equipment, *See* Section 3.2 of Exhibit FKS-13.

The Company has been successful in reducing water loss, in large part, through its ongoing water loss monitoring and use of this leak detection equipment. The Company continually monitors, evaluates and reviews its success with this equipment and intends to purchase additional digital leak correlators and digital data loggers in future years as needed.

Q. IS THE COMPANY DOING MORE TO MONITOR AND REDUCE WATER LOSS?

A. Yes. The Company has prepared a comprehensive analysis outlining the historical, current and anticipated future efforts and requirements to effectively reduce water loss in those Eastern Group water systems where water loss exceeds 10 percent or where water loss is increasing. This initial report, titled "Water Loss Reduction Program for Water Systems in the Eastern Group" dated August 1, 2011 is attached to this testimony as Exhibit FKS-13. For San Manuel, Sierra Vista and Winkelman, the Company seeks to reduce water loss through similar efforts in the following four categories: 1) water main and service line repair and replacement; 2) use of leak detection equipment to monitor the system for leaks; 3) water meter selection review; and 4) meter repair, maintenance and replacement program.

Q. CAN YOU SUMMARIZE THESE CATEGORIES IN MORE DETAIL?

A. Yes. The category summaries follow.

WATER MAIN AND SERVICE LINE REPAIR AND REPLACEMENT PROGRAM

The Company reduces water loss caused by leaks and water main and service line breaks by locating and repairing such leaks and breaks and through water main or service line replacements. The Company schedules repairs of smaller water main and service line leaks as soon as possible, but

in the case of main breaks, the Company makes repairs on an emergency basis. Identifying sources of water loss caused by unidentified water main and service line leaks require the use of more advanced methods of detection, such as through the use of digital leak detection or correlation equipment and by conducting leak surveys. Meter readers report observed service and water main leaks in their normal course of reading meters and enter such information into data entry devices used to generate service repair orders. Meter readers serve an essential role in system monitoring as they operate in every part of each water system each month and report signs of leaks and/or breaks through visual inspection.

LEAK DETECTION

As discussed above, the Company relies primarily upon two complementary types of leak detection equipment in its water systems, digital data loggers and digital leak correlators. Use of this equipment allows the Company to identify the location of water leaks more efficiently than other, more labor intensive methods. One type of leak detection equipment, the digital data logger, is used to survey a larger area of the distribution system to locate leaks that would not otherwise be located by visual inspection/observation techniques. A second type of leak detection equipment, the digital leak correlator, is used to pinpoint the location of leaks on a real-time basis, as well as confirming or validating locations of suspected leaks identified through surveys conducted with the digital data logger. Other types of devices are also used to "listen for leaks" throughout the Company's water systems. The Company's system operators are professionally trained in the operation of these types of digital leak detection equipment. The use of this type of equipment has proven to be an effective method of locating leaks and in helping to reduce water loss.

METER SELECTION REVIEW

The Company's Engineering department, using information provided by the Company's meter shop in Coolidge, reviews new meter applications prior to establishing water service. Typically, 5/8 x 3/4-inch water meters are installed for new residential subdivisions. Both residential and non-residential meter applications that require 1-inch or larger water meters result in wide ranges of flows and some applications may include fire flows. The Company's Engineering department chooses the most appropriate meter for each application that meets the service needs and can accurately measure the quantity of water provided throughout the expected range of customer flows.

METER MAINTENANCE PROGRAM

The Company's meter maintenance program establishes the criteria for meter removal, repairs and replacement. Instead of simply replacing a water meter based on its number of years in service, the Company's meter shop has established comprehensive change-out criteria based on total gallons, water quality and length of time in service for each water system. The water quality characteristics of individual water systems can have a significant impact on the service life of a metering device and, as a result, maintenance criteria typically vary between systems.

The Company's meter shop performs periodic random tests of each water system's meters to provide an ongoing assessment of the suitability of meter change-out criteria for each system. In this manner, the Company ensures that meter accuracy is maintained within industry standards and is confirmed through meter testing. The Company's water systems are current with their meter maintenance program and ongoing meter testing program.

Q. IS THE COMPANY'S METER REPAIR PROGRAM AN EFFECTIVE AND COMPREHENSIVE PROGRAM?

A. Yes. I am not aware of any private or public water utility in Arizona that manages its meter program as aggressively and efficiently as the Company. Our meter repair and maintenance technicians routinely instruct other water utilities' personnel on such advanced practices at utility conferences. The Company is a leader within the water industry in this regard. The Company's meter shop is able to test meters ranging in size from 5/8 x 3/4-inch to 12-inch and with a flow testing range of 0.25 GPM to 1,000 GPM. In fact, other water utilities periodically ask our meter technicians to test their meters to verify meter accuracy. The Company's meter shop tests meters for the Commission when requested to do so.

In addition, the Company's President, Mr. Garfield, serves on AWWA's Water Meter Standards Committee, which establishes water meter accuracy, repair and other standards for the water industry.

Q. ARE THESE CATEGORIES OF WATER LOSS REDUCTION METHODS TYPICALLY USED BY WATER COMPANIES?

A. Yes. The water main and service line maintenance programs and the use of leak detection equipment are standard water industry practices. However, the Company's Eastern Group contains water infrastructure that is over 100 years old and is showing signs of failure. The Company's efforts to cut water loss and eliminate the sources of water loss are discussed in more detail in Section 3 of the report attached as Exhibit FKS-13.

X. Reducing Water Loss – Distribution System Improvements

Q. DID THE COMMISSION ESTABLISH A LIMITATION ON WATER LOSS IN DECISION NO. 71845?

A. Yes. In Decision No. 71845, page 92, lines 26-28 and page 93, lines 1-8, the Commission ordered:

> "That Arizona Water Company shall reduce the non-account water for each of its systems to less than 10 percent by July 1, 2011. For those systems that have not achieved a water loss rate of less than 10 percent by July 1, 2011, AWC should evaluate the systems and prepare a report demonstrating how the Company plans to reduce water losses to less than 10 percent. If the Company contends that reducing water losses to less than 10 percent is not cost effective, it should submit a detailed cost analysis and explanation demonstrating why the water loss reduction to less than 10 percent is not cost effective. Absent extraordinary circumstances, and with compelling supporting documentation, no system should be permitted to maintain non-account water above 15 percent. The water loss report should be filed with Docket Control, as a compliance item in this docket, by no later than December 31, 2011."

Q. HAS THE COMPANY DOCUMENTED AND QUANTIFIED ITS EFFORTS TO REDUCE WATER LOSS IN WATER SYSTEMS IN THE EASTERN GROUP?

A. Yes. The Company has prepared an initial detailed report titled "Water Loss Reduction Program for Water Systems in the Eastern Group", attached to this testimony as Exhibit FKS-13, which specifically evaluates water loss in the Company's Eastern Group water systems of Apache Junction, Bisbee, Miami, Oracle and Superior. Section 3.0 of Exhibit FKS-13 details the Company's historical and ongoing efforts to reduce water loss in these systems.

Q. PLEASE DISCUSS THE WATER LOSS ANALYSIS.

A. In addition to an overview of the existing water system, the Company's analysis also identifies measures to reduce water loss. The Company also

conducted a distribution system analysis, including age, size, material type, leak history, soil conditions and other pertinent information, to evaluate all of its water main and service line infrastructure. This analysis included the development of detailed recommendations of utility plant improvements needed to reduce water loss. These recommendations include specific projects and detailed design and construction cost estimates. As I also discuss on pages 74-78, several water mains have been replaced in the Bisbee, Miami, Oracle and Superior water systems to help move towards compliance with the Commission's directive that the Company "shall reduce the non-account water for each of its systems to less than 10 percent by July 1, 2011."

Q. HAVE YOU REVIEWED WATER LOSS FOR THE COMPANY'S EASTERN GROUP WATER SYSTEMS?

A. Yes. As of December 2010, three water systems have water loss percentages greater than 10 percent including one water system with a water loss percentage greater than 15 percent.

Q. WHICH WATER SYSTEMS ARE THOSE?

A. The Miami and Oracle water systems had an overall water loss of 11.54 percent and 12.62 percent, respectively, for the calendar year 2010. The Bisbee water system had a water loss of 15.61 percent for the calendar year 2010.

The Bisbee water system was severely impacted by the record setting freezing temperatures over several days at the end of January and into early February, 2011. Temperatures at the Bisbee-Douglas airport registered 8 degrees while frozen water pipes and heating problems caused the closure of the Bisbee Unified School District. A number of the Company's transmission lines, waterlines and above-ground piping in

certain areas of Bisbee froze. The Company brought in employees from other Divisions, hired contractors and worked overtime to repair ruptured lines. With the Company's quick response and repair efforts no significant outages were reported and water loss was significantly less than what could have occurred. However, this event increased water loss from 15.61 percent reported in December 2010 to 17.08 percent calculated in April 2011.

Water loss in the Superior water system has historically fluctuated above and below 10 percent and the Apache Junction water system has an increasing trend in water loss. Because of these factors, these two systems were also included in the Company's Water Loss Reduction Program. The following table summarizes the Eastern Group water loss by ADEQ public water system for calendar year 2009, 2010 and for the twelve month period ending April 2011.

ARIZONA WATER COMPANY
Eastern Group
Lost and Unaccounted for Water

SYSTEM	PWS ID NO.	CALENDAR YEAR 2009 REPORTED WATER LOSS	CALENDAR YEAR 2010 REPORTED WATER LOSS	12-MONTH ROLLING AVERAGE ENDING APRIL 2011
Apache Junction	11-004	8.02	7.28	6.97
Bisbee	02-001	16.13	15.61	17.08
Oracle	11-019	12.75	12.62	12.04
Miami	04-002	7.26	11.54	10.95
SaddleBrooke Ranch	11-019	(Reported under Oracle)	(Reported under Oracle)	(Reported under Oracle)
San Manuel	11-020	9.89	6.17	6.57
Sierra Vista	02-004	5.94	5.74	6.12
Superior	11-012	10.39	9.77	9.82
Winkelman	04-003	5.27	4.84	4.30

Q. DID ANY OTHER EASTERN GROUP WATER SYSTEM HAVE WATER LOSS GREATER THAN 10 PERCENT IN THE COMPANY'S LAST RATE CASE?

A. Yes. The Company's Superior water system's water loss exceeded 10 percent for calendar year 2007. Since then, the Company has been successful in reducing water loss in this system. The reported annual water loss was 10.39 percent and 9.77 percent for calendar years 2009 and 2010, respectively. However, with the aging infrastructure, failing water mains and unique characteristics of this water system and with pressures of more than 800 psi, it is unlikely that this reduced water loss percentage can be sustained for long without replacing failing service lines and water mains.

Q. THROUGH THIS INITIAL DETAILED REVIEW AND ANALYSIS OF WATER LOSS COMPLETED BY THE COMPANY, WHAT WERE THE FINDINGS?

A. For discussion purposes, I will divide my summary of the detailed review and analysis into the following three sections, Bisbee, Oracle and Superstition.

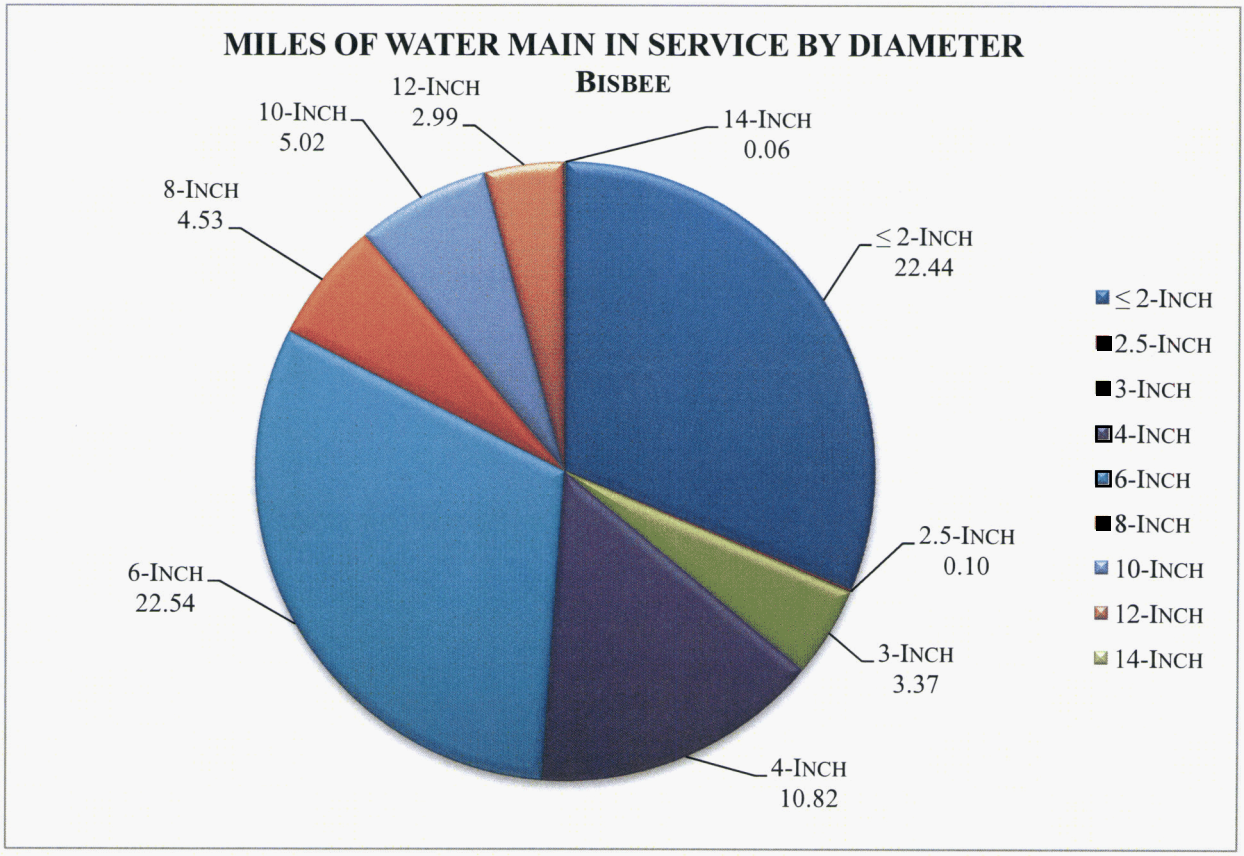
Bisbee:

In reviewing the Company's efforts to reduce water loss, it was determined that between January 2010 and December 2010, water system operators spent nearly 6,000 man-hours monitoring, detecting and repairing water main and service leaks and breaks throughout the Bisbee water system. This is equivalent to approximately three full-time Company employee working 40 hours per week for an entire year.

A review of the Bisbee water system showed that many of the water system's water mains have been in service since the early 1900s and are beyond their useful service life. Many of the older water mains, some as

small as 2-inch, do not comply with today's minimum standards. Because of their age and industry practice at the time, modern corrosion protection was not available when these types of water mains were installed and, as a result, are susceptible to numerous leaks, which are difficult to detect, locate and repair.

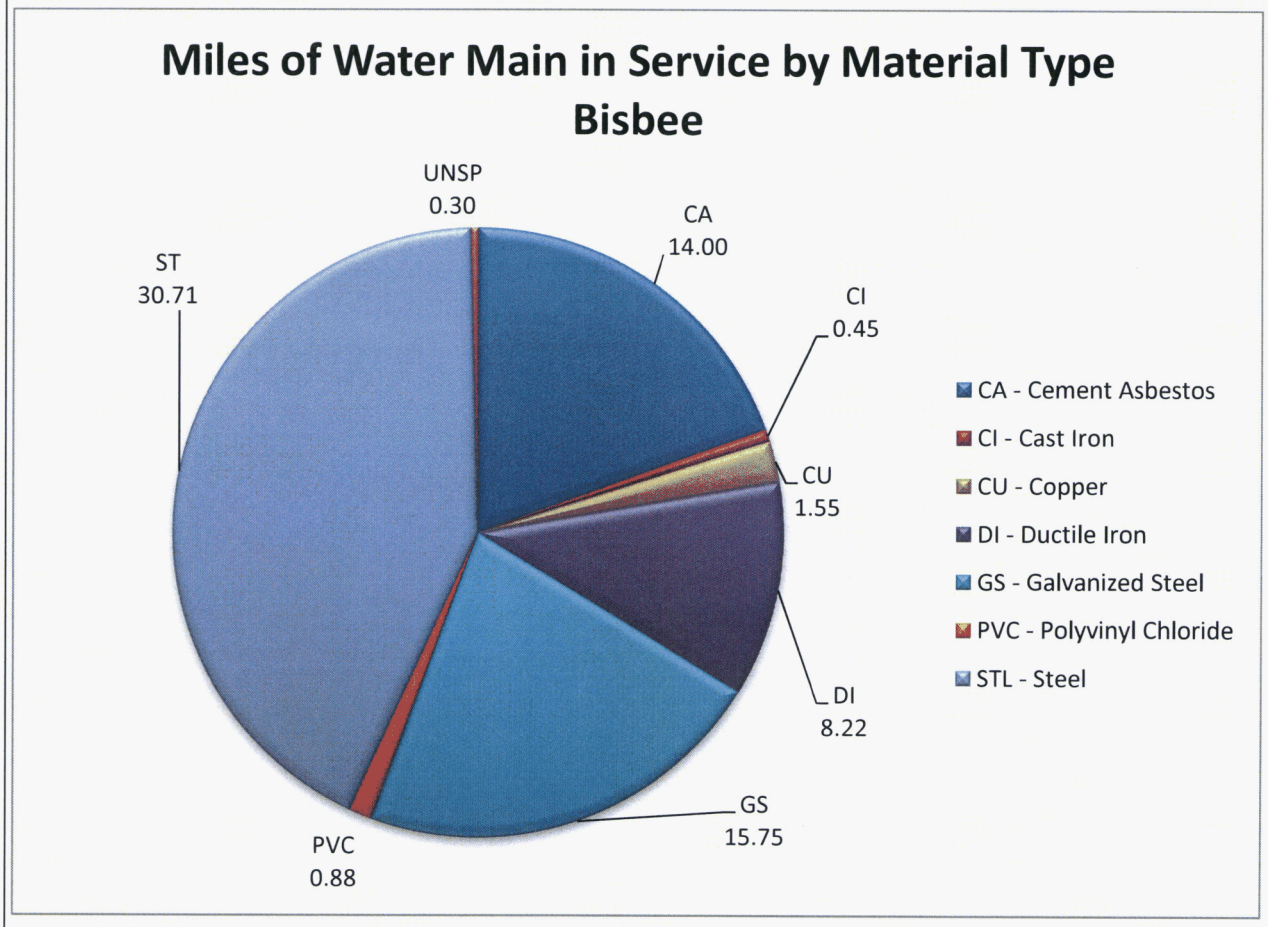
The following three sets of charts and tables show the miles of main in service by size, by material type and by decade installed within the Bisbee water system, respectively.



Size	Miles of Main	Pipe Size	Miles of Main
≤ 2-inch	22.44	10-inch	5.02
2.5-inch	0.10	12-inch	2.99
3-inch	3.37	14-inch	0.06
4-inch	10.82		
6-inch	22.54		
8-inch	4.53		

The table above shows that 36.72 miles or over 193,893 LF of water mains in service today are less than six inches in diameter.

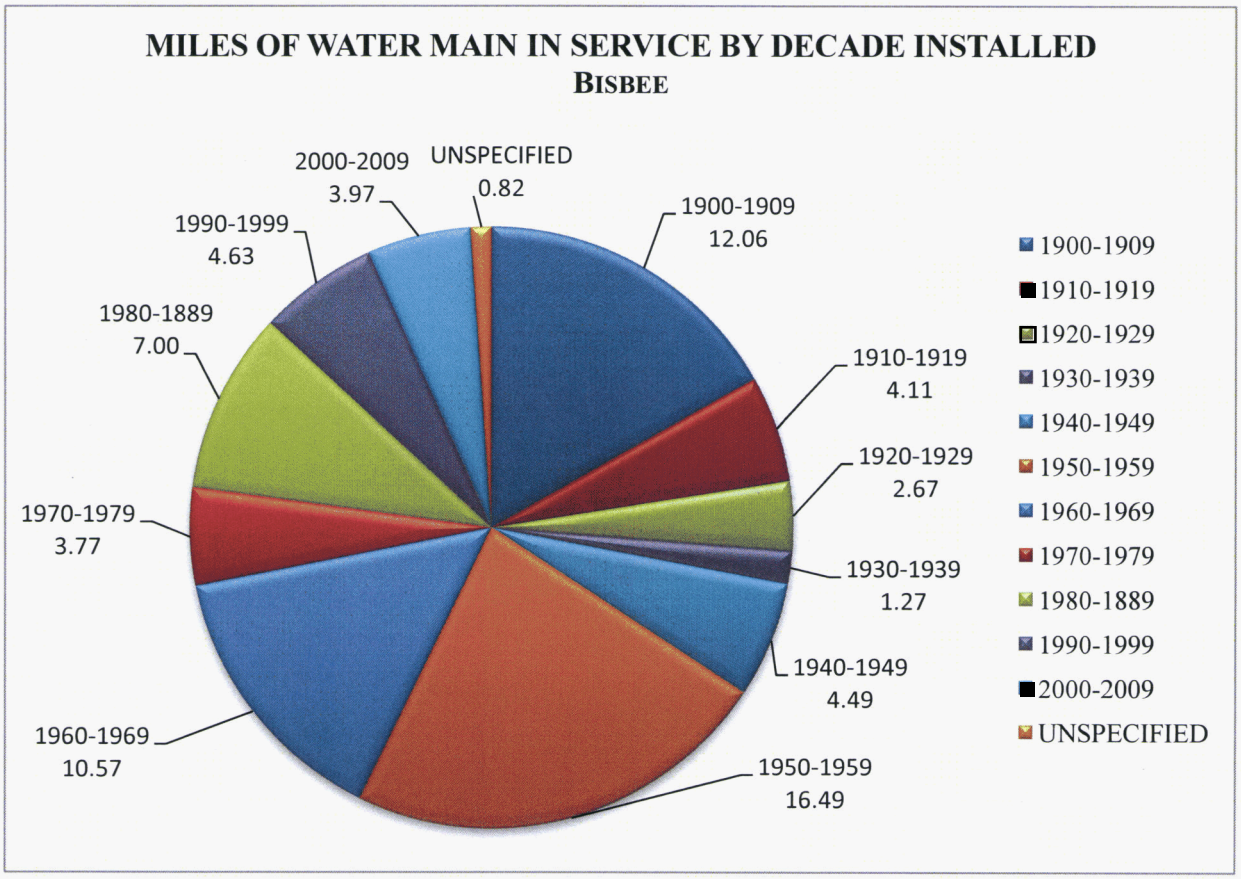
The chart and table below show miles of water main currently in service by material type. Over 45 miles of Bisbee's water mains are either Steel or Galvanized Steel.



Material Type	Miles of Main	Material Type	Miles of Main
CA - Cement Asbestos	14.00	GS - Galvanized Steel	15.75
CI - Cast Iron	0.45	PVC - Polyvinyl Chloride	0.88
CU - Copper	1.55	ST - Steel	30.71
DI - Ductile Iron	8.22	UNSP - Unspecified	0.30

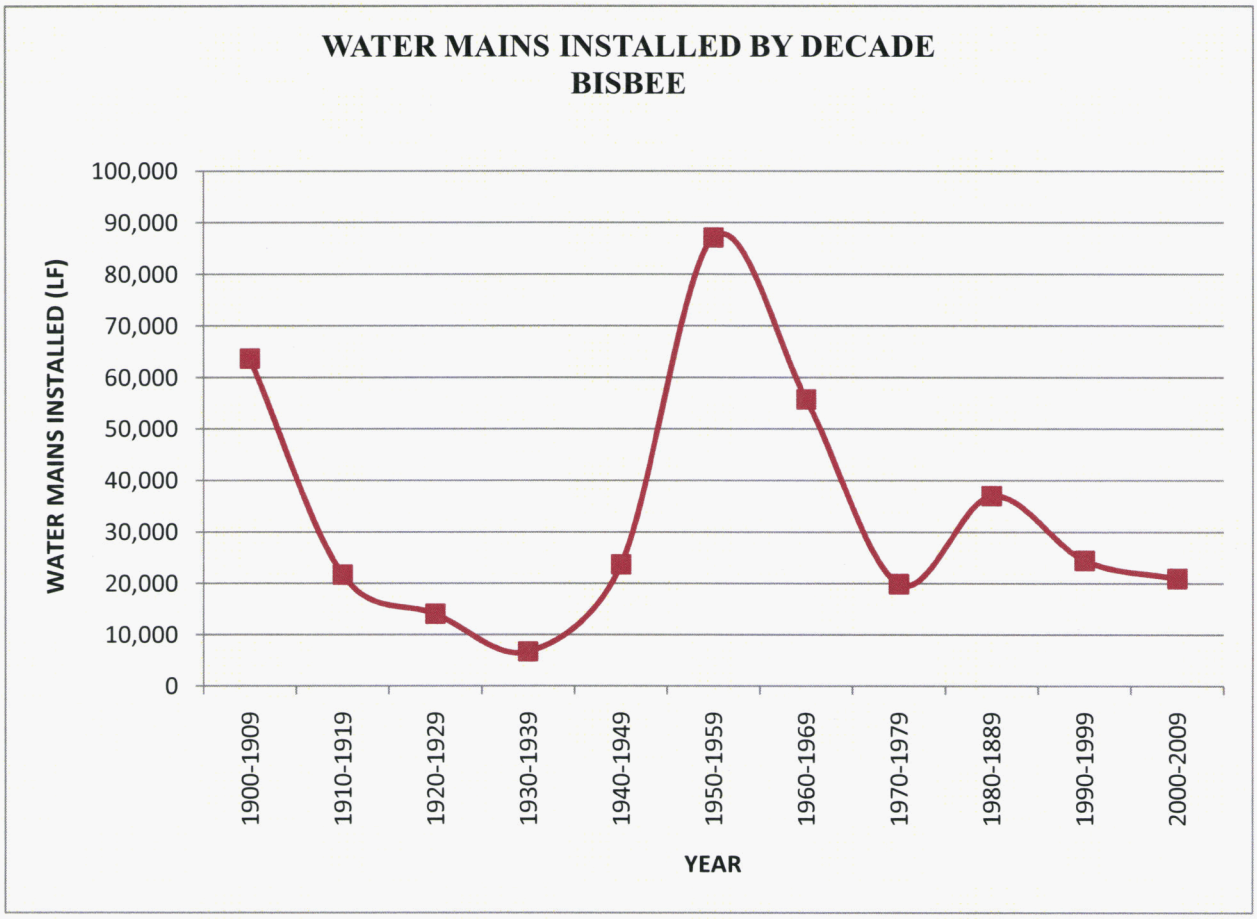
The chart and table below depict the miles of water main installed by decade that are still in service. Thirty-four percent (24 miles or over 129,000

LF) of the water mains currently in service were installed prior to 1950 and are over 60 years old. As described in Section 7.2 of the analysis detailed in Exhibit FKS-13, most of these water mains are at or are nearing the end of their useful service lives.



Decade	Miles of Main	Decade	Miles of Main
1900-1909	12.06	1960-1969	10.57
1910-1919	4.11	1970-1979	3.77
1920-1929	2.67	1980-1989	7.00
1930-1939	1.27	1990-1999	4.63
1940-1949	4.49	2000-2009	3.97
1950-1959	16.49	Unspecified	0.82

The following graph shows the linear feet of water main installed by year since 1900. Note the significant length of water mains added 1900-1909 and 1950-1959.



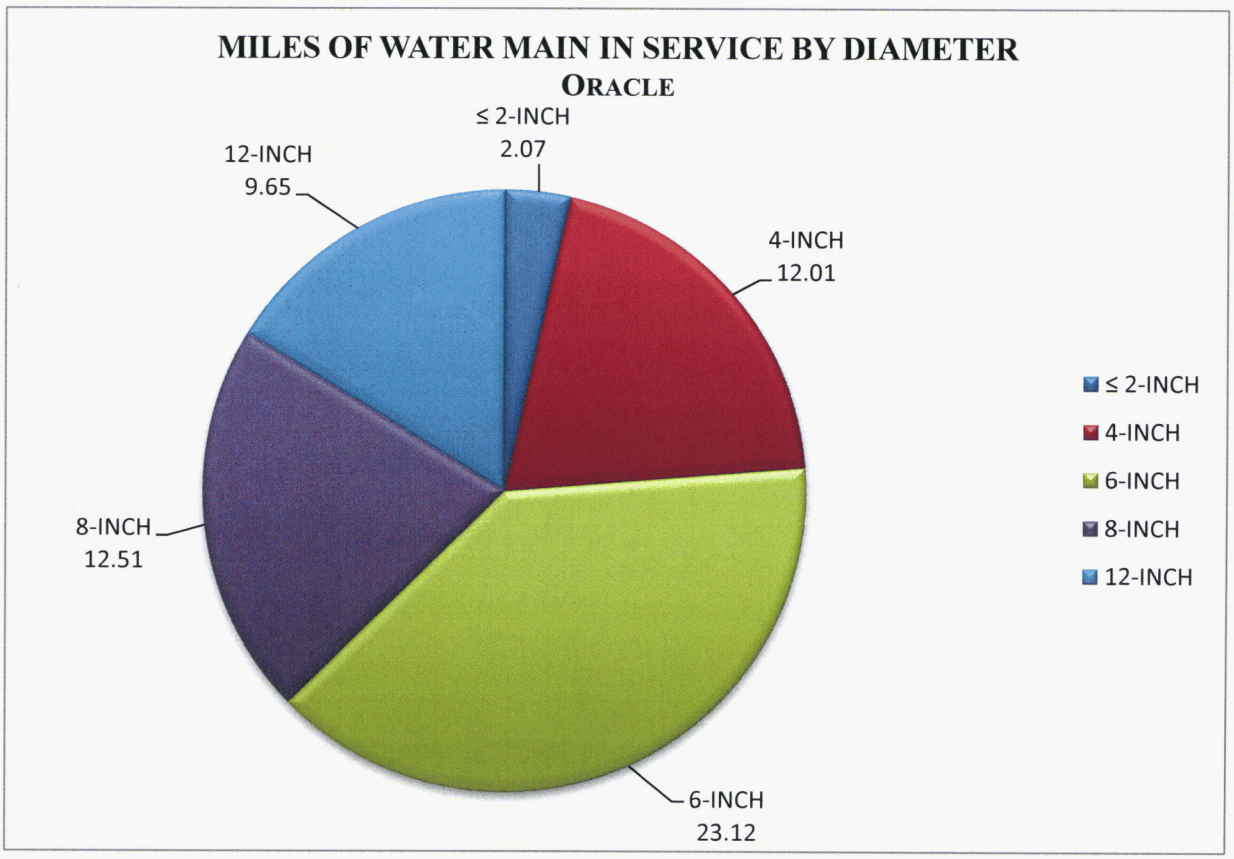
Oracle:

In reviewing the Company's efforts to reduce water loss, it was determined that between January 2010 and December 2010, the water system operators spent nearly 500 man-hours monitoring, detecting and repairing water main and service leaks and breaks throughout the Oracle water system. This is equivalent to approximately one full-time Company employee working 10 hours per week for an entire year.

A review of the Oracle water system showed that many of the water system's water mains have been in service since the early 1950s. This water system experienced moderate growth from 1950 to 1990 and, with that growth, came the installation of a large amount of CA water mains as well as the installation of plastic water service lines. Unfortunately, plastic service lines have proven to become brittle and split longitudinally.

Repairing this type of service line is not effective; these service lines are normally replaced when leaks are discovered. It is estimated that approximately 100 failing plastic service lines have been replaced since 2000. However, over 450 of the failing plastic service lines remain in service and need to be replaced in the very near future. Without these replacements, water loss is expected to increase.

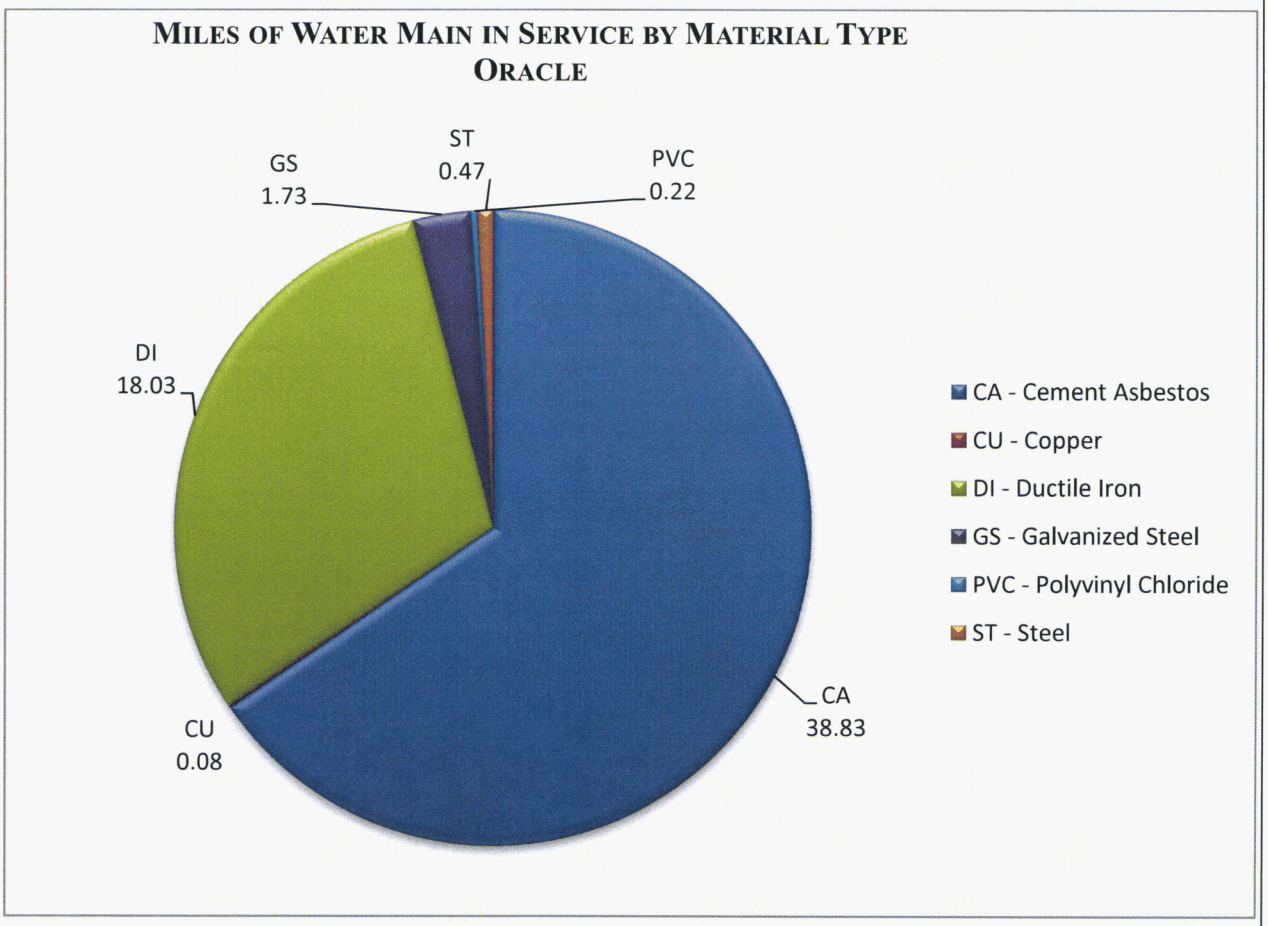
The following three sets of charts and tables show the miles of main in service by size, by material type and by decade installed within the Oracle water system, respectively.



Size	Miles of Main	Pipe Size	Miles of Main
≤ 2-inch	2.07	8-inch	12.51
4-inch	12.01	12-inch	9.65
6-inch	23.12		

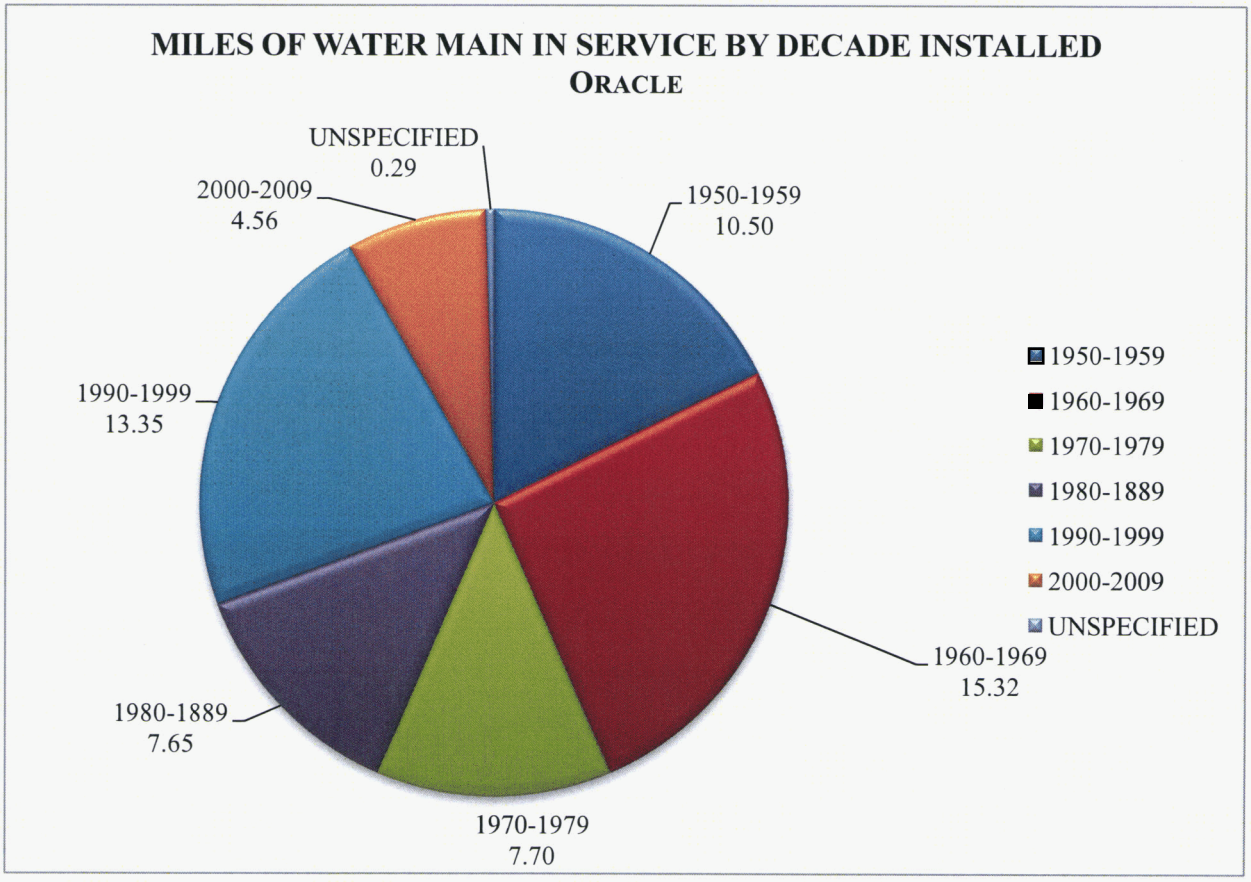
The table above shows that 14 miles (over 74,000 LF) of water mains in service today are less than six inches in diameter.

The chart and table below show the number of miles of water main currently in service by material type. A majority of the water mains are Cement Asbestos.



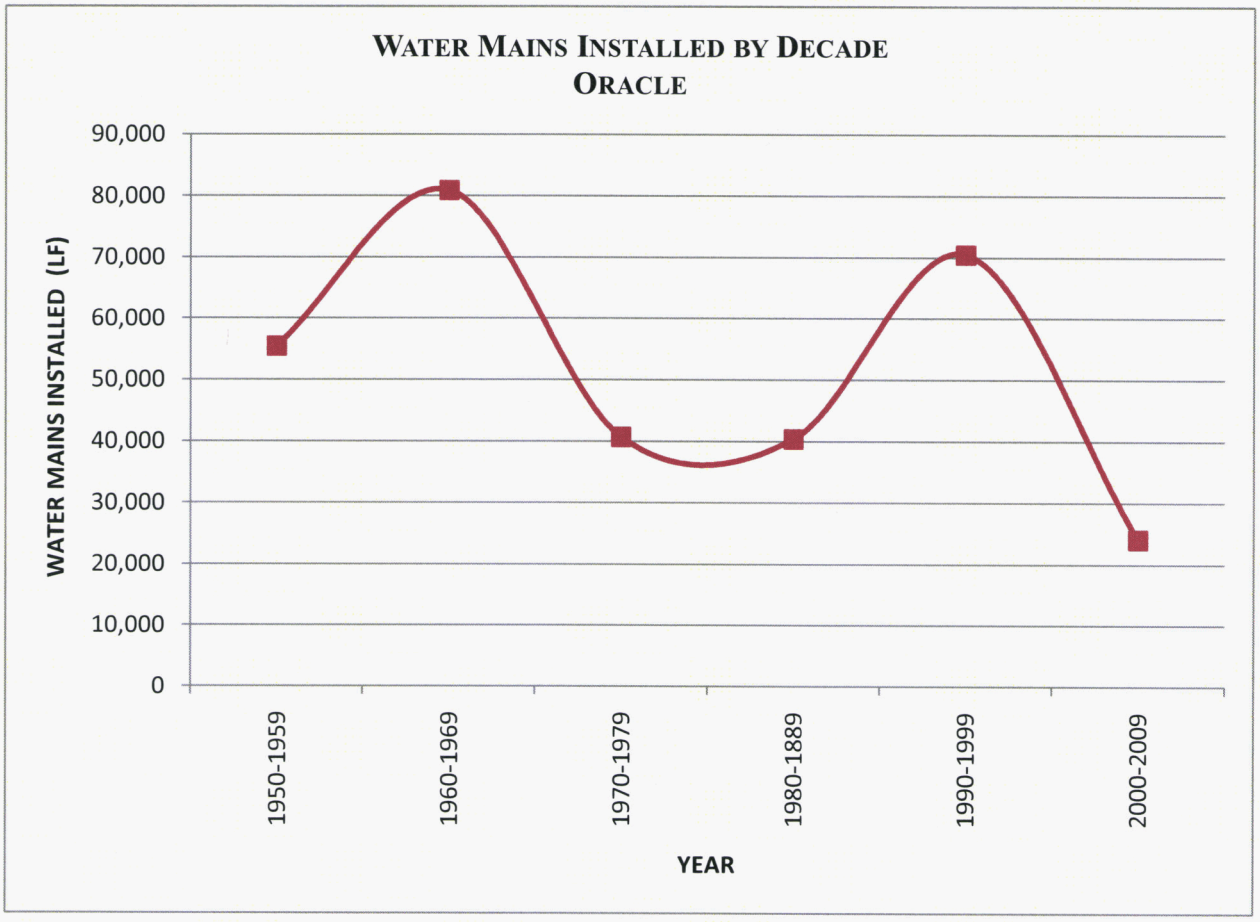
Material Type	Miles of Main	Material Type	Miles of Main
CA - Cement Asbestos	38.83	GS - Galvanized Steel	1.73
CU - Copper	0.08	PVC - Polyvinyl Chloride	0.22
DI - Ductile Iron	18.03	ST - Steel	0.47

The chart and table below depict the miles of water main installed by decade that are still in service. Thirty-nine miles (over 205,000 LF) of CA water mains currently in service were installed from 1959 to 1986. As described in Section 6.2 of the analysis detailed in Exhibit FKS-13, many of the plastic service lines are reaching the end of their useful service lives.



Decade	Miles of Main	Decade	Miles of Main
1950-1959	10.50	1990-1999	13.35
1960-1969	15.32	2000-2009	4.56
1970-1979	7.70	Unspecified	0.29
1980-1989	7.65		

The following graph shows the linear feet of water main installed by year since 1959. Note the significant length of water mains added in the mid-1950s and 1990s.



Superstition:

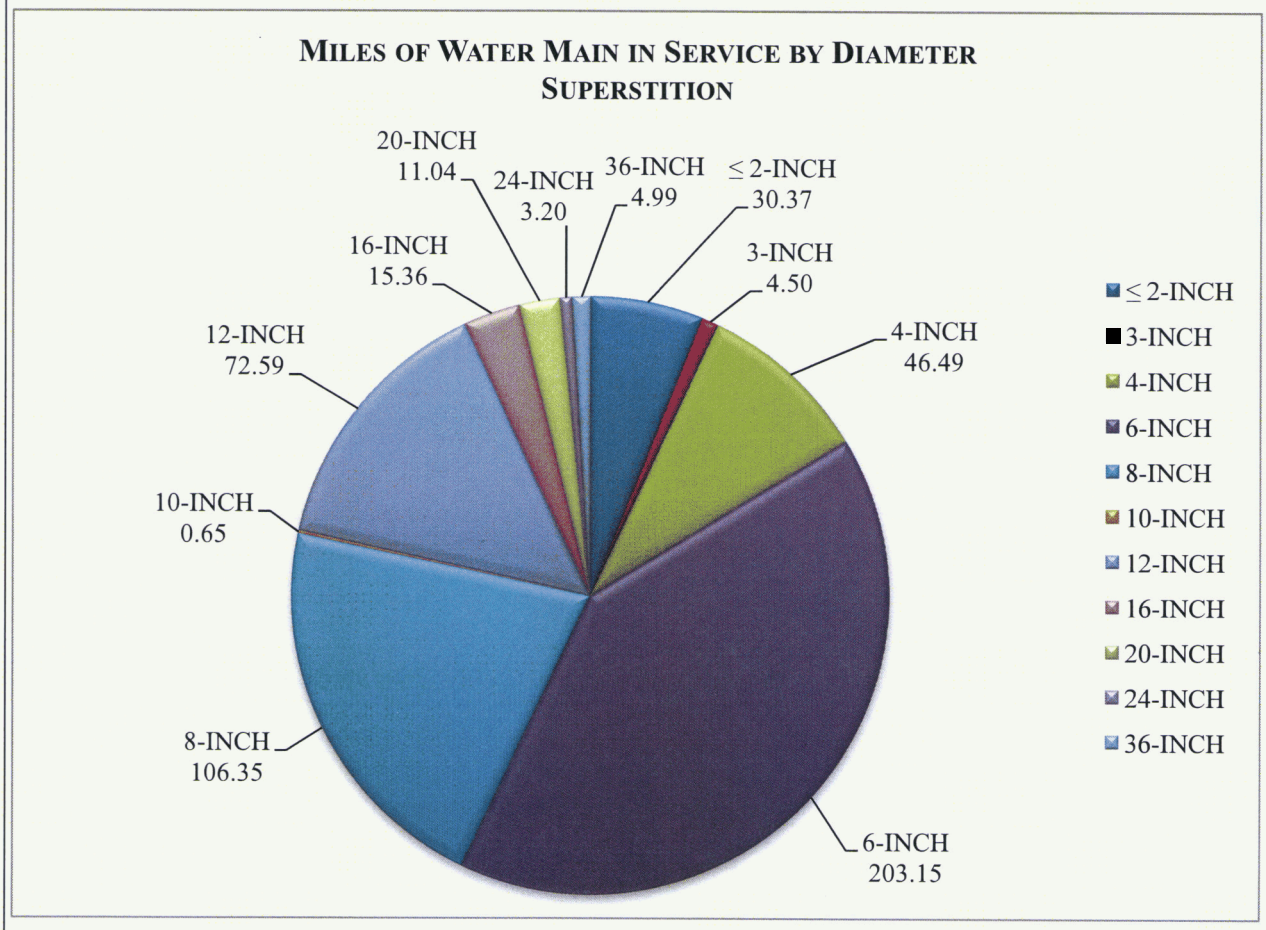
In reviewing the Company's efforts to reduce water loss, it was determined that between January 2010 and December 2010, water system operators spent nearly 14,000 man-hours monitoring, detecting and repairing water main and service leaks and breaks throughout the Superstition Division. This is equivalent to approximately seven full-time Company employees working 40 hours per week for an entire year.

A review of the Superstition Division showed that some of the water system's water mains have been in service since the early 1910s and are well past their useful service lives. Many of these old water mains, some smaller than 2-inches in diameter, do not comply with today's minimum standards. Because of their age and industry practice at the time, modern

corrosion protection was not available when these types of water mains were installed and, as a result, are susceptible to numerous leaks, which are difficult to detect, locate and repair.

The Superstition Division experienced a significant amount of growth during the mid-1970s and the 1990s. With the growth in the 1970s came the installation of a large amount of CA water mains, as well as the installation of plastic service lines. Unfortunately, plastic service lines have proven to become brittle and split longitudinally. Repairing this type of service line is not effective. These service lines are normally replaced when leaks are discovered. It is estimated that approximately 1,900 failing plastic service lines have been replaced since 2000. However, over 4,250 of the failing plastic service lines remain and require replacement in the very near future. Without these replacements, water loss is expected to increase.

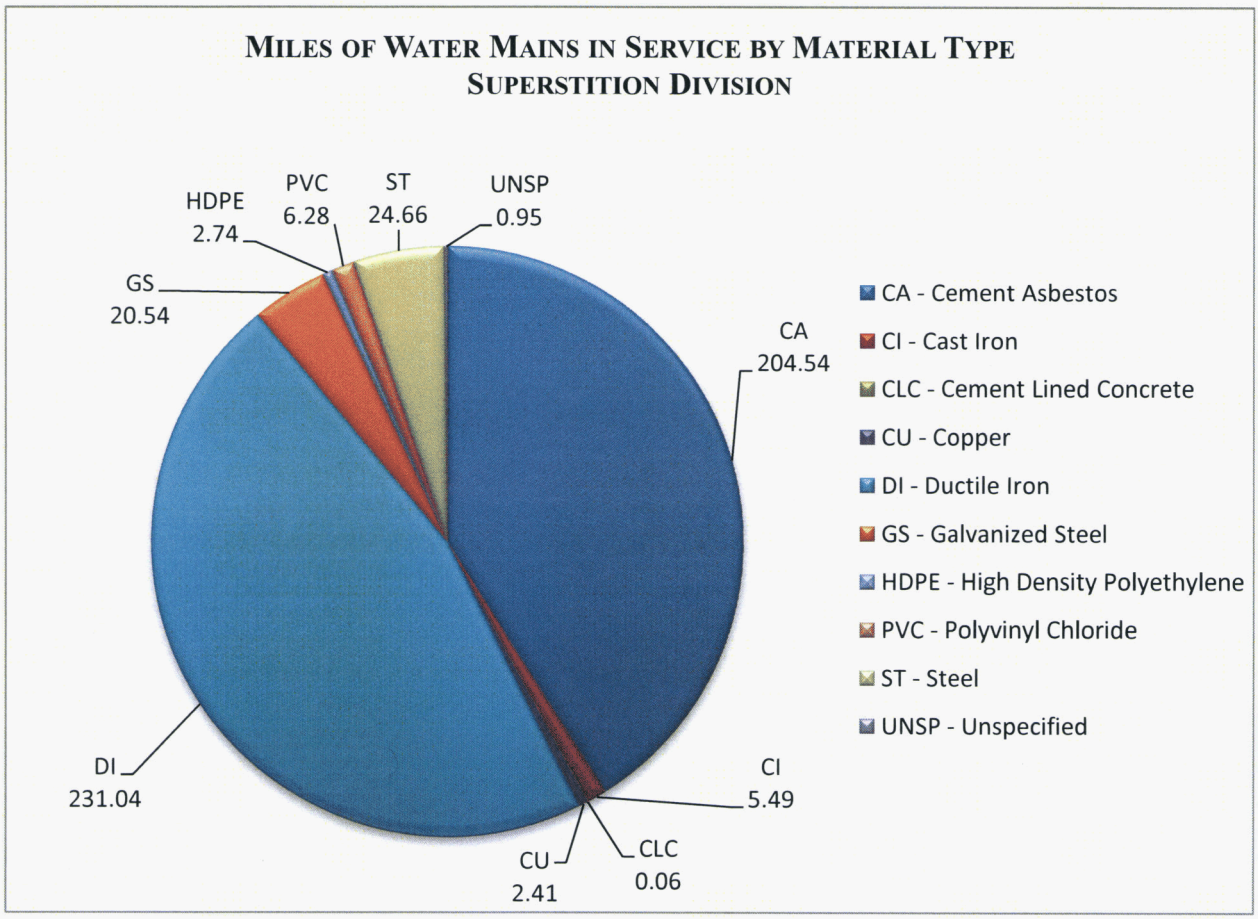
The following three sets of charts and tables show the miles of main in service by size, by material type and by decade installed, within the Superstition Division, respectively.



Size	Miles of Main	Pipe Size	Miles of Main
≤ 2-inch	30.37	12-inch	72.59
3-inch	4.50	16-inch	15.36
4-inch	46.49	20-inch	11.04
6-inch	203.15	24-inch	3.20
8-inch	106.35	36-inch	4.99
10-inch	0.65		

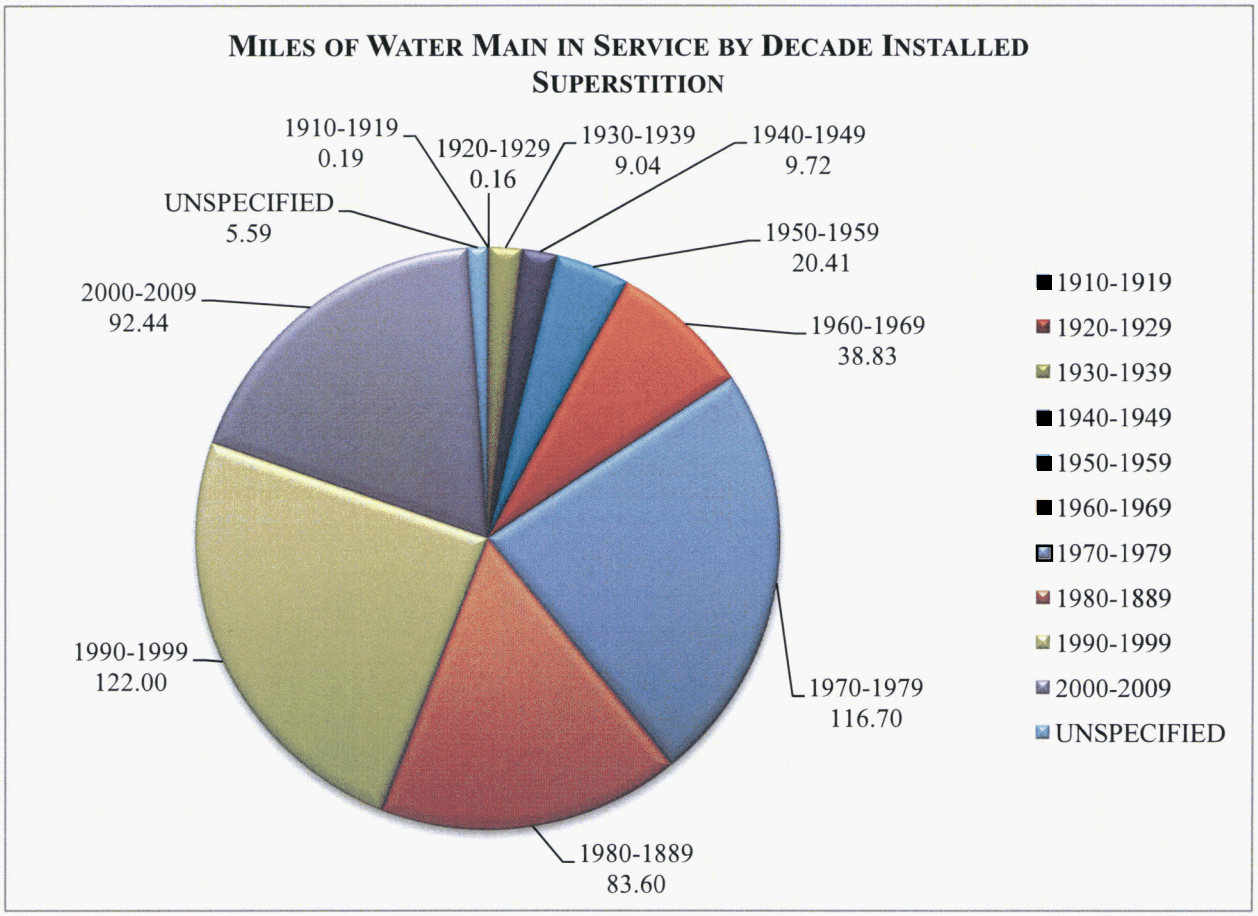
The table above shows that 81 miles (over 429,626 LF) of water mains in service today are less than six inches in diameter.

The chart and table below show the number of miles of water main currently in service by material type. A majority of the water mains are either DI or CA; yet, nearly 11,600 LF of water main were constructed of unprotected metal.



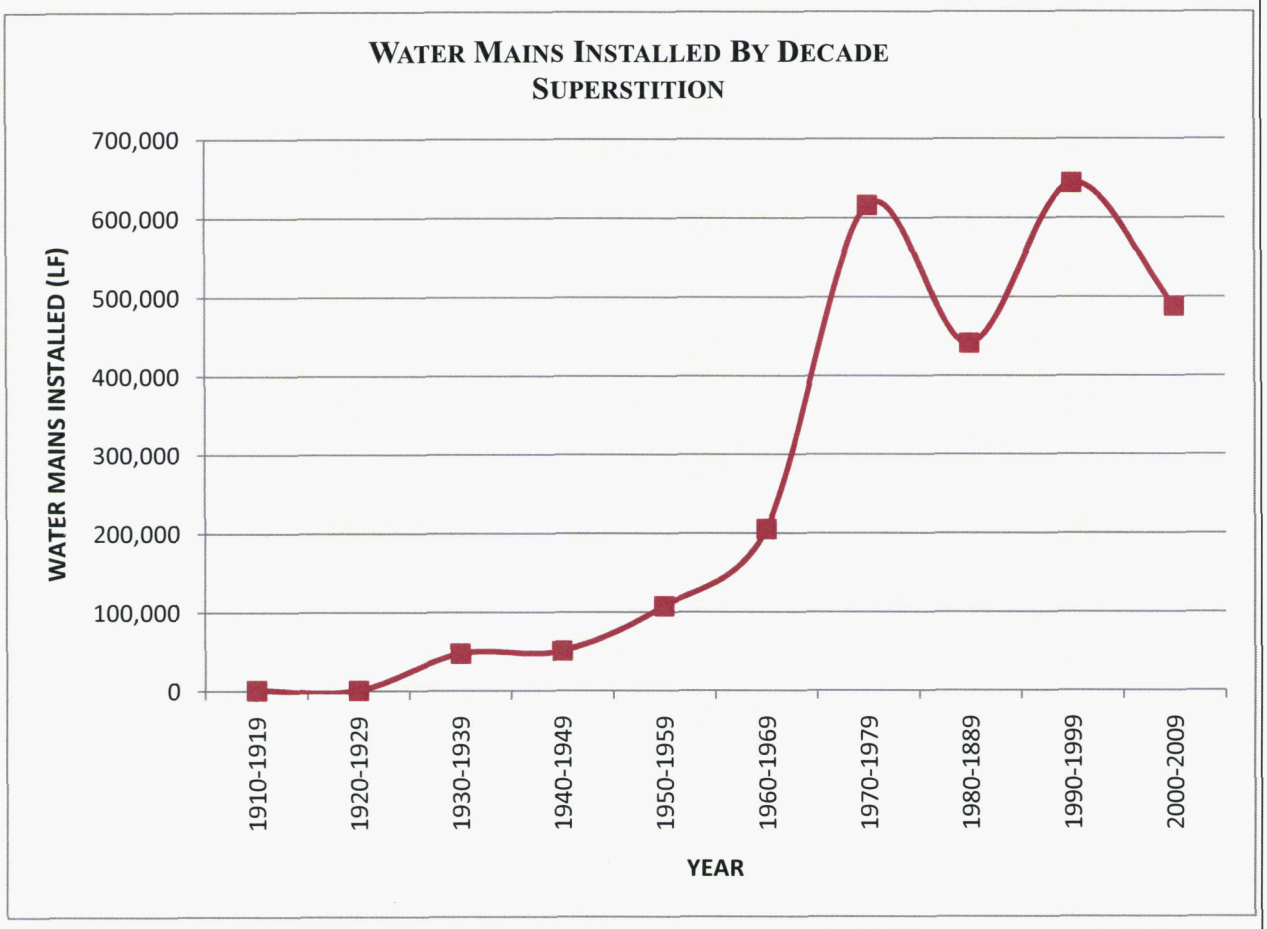
Material Type	Miles of Main	Material Type	Miles of Main
CA - Cement Asbestos	204.54	GS - Galvanized Steel	20.54
CI - Cast Iron	5.49	HDPE - High Density Polyethylene	2.74
CLC - Cement Lined Concrete	0.06	PVC - Polyvinyl Chloride	6.28
CU - Copper	2.41	ST - Steel	24.66
DI - Ductile Iron	231.04	Unknown Material	0.95

The chart and table below depict the number of miles of water main installed by decade that are still in service. Three percent (19 miles or over 101,000 LF) of water mains currently in service were installed prior to 1950 and are over 60 years old. As described in Section 5.2 of the analysis detailed in Exhibit FKS-13 much of this water main is at or is nearing the end of its useful service life.



Decade	Miles of Main	Decade	Miles of Main
1910-1919	0.19	1970-1979	116.70
1920-1929	0.16	1980-1989	83.60
1930-1939	9.04	1990-1999	122.00
1940-1949	9.72	2000-2009	92.44
1950-1959	20.41	Unspecified	5.59
1960-1969	38.83		

The following graph shows the linear feet of water mains installed by year since 1917. Note the significant length of water mains added in the 1970s and in the 1990s.



Q. THE FOREGOING DETAILED INFORMATION, CHARTS AND GRAPH SHOW A NEED TO REPLACE A SIGNIFICANT AMOUNT OF WATER MAINS AND SERVICE LINES WITHIN THIS WATER SYSTEM. HOW DOES THE WATER INDUSTRY CALCULATE THE COST OF REPLACING INFRASTRUCTURE?

A. In several ways. For example, the Handy Whitman Index of Public Utility Construction Costs is an engineering cost index that tracks the cost of constructing various types of public utility plant in different parts of the country. This index compares the cost of constructing public utility plant

from one time period to another. As an example, water mains that were installed in 1921 have a cost index of 27, while the current index for water mains is 587.

Q. WHAT DOES THIS CHANGE IN ENGINEERING COST INDEX MEAN IN TERMS OF DOLLARS TO INSTALL T&D MAINS IN 2010 VERSUS INSTALLING T&D MAINS IN 1921?

A. The index is used to project construction costs using today's cost index and comparing it to the cost index for the time period of the original installation. In the example above, the 2010 cost index (587) divided by the 1921 cost index (27) shows that the cost of constructing cast iron or ductile iron water mains in 2010 is almost 22 times the cost of installing the same pipe under the same conditions that may have existed in 1921.

Q. DOES THIS ENGINEERING COST INDEX ACCOUNT FOR THE FULL REPLACEMENT COST?

A. No. This engineering cost index does not account for cost increases caused by changes in construction conditions.

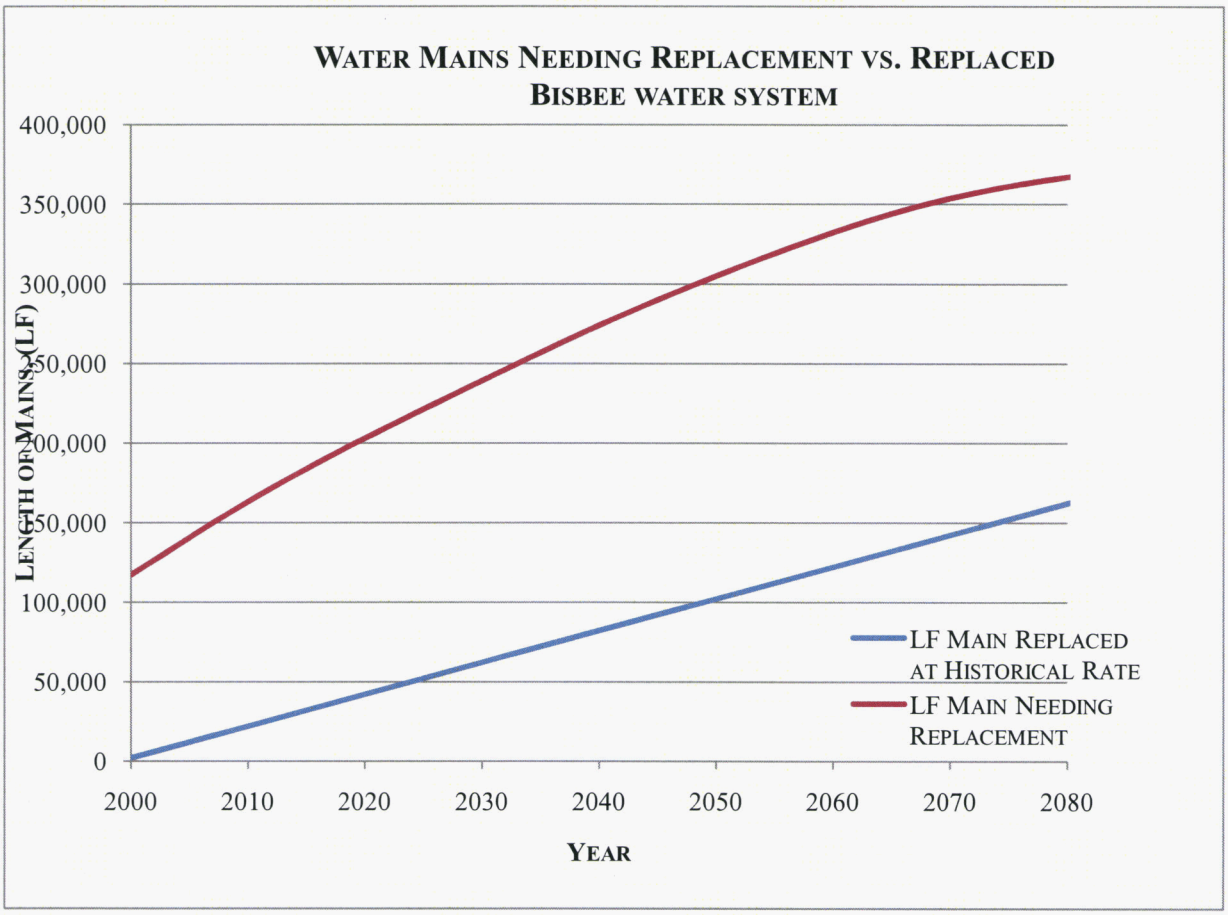
Q. PLEASE EXPLAIN FURTHER WHAT YOU MEAN BY CHANGES IN CONSTRUCTION CONDITIONS.

A. As a more detailed example of what is meant by this term, in many of the Company's water systems with older water mains, the T&D mains were installed before streets were paved, curbing and gutters installed, telephone lines installed and other more recent underground utilities installed. Therefore, the cost of any replacement of T&D mains in these areas would have to include the cost of repairing streets and sidewalks, implementation of traffic control measures and working around other underground and above-ground installations to protect them against damage.

Q. HAS THE COMPANY PREPARED A TIMETABLE TO REPLACE THIS INFRASTRUCTURE?

A. Not yet. For each of the three areas discussed previously, Bisbee, Oracle and Superstition, I will again divide the discussion into each category.

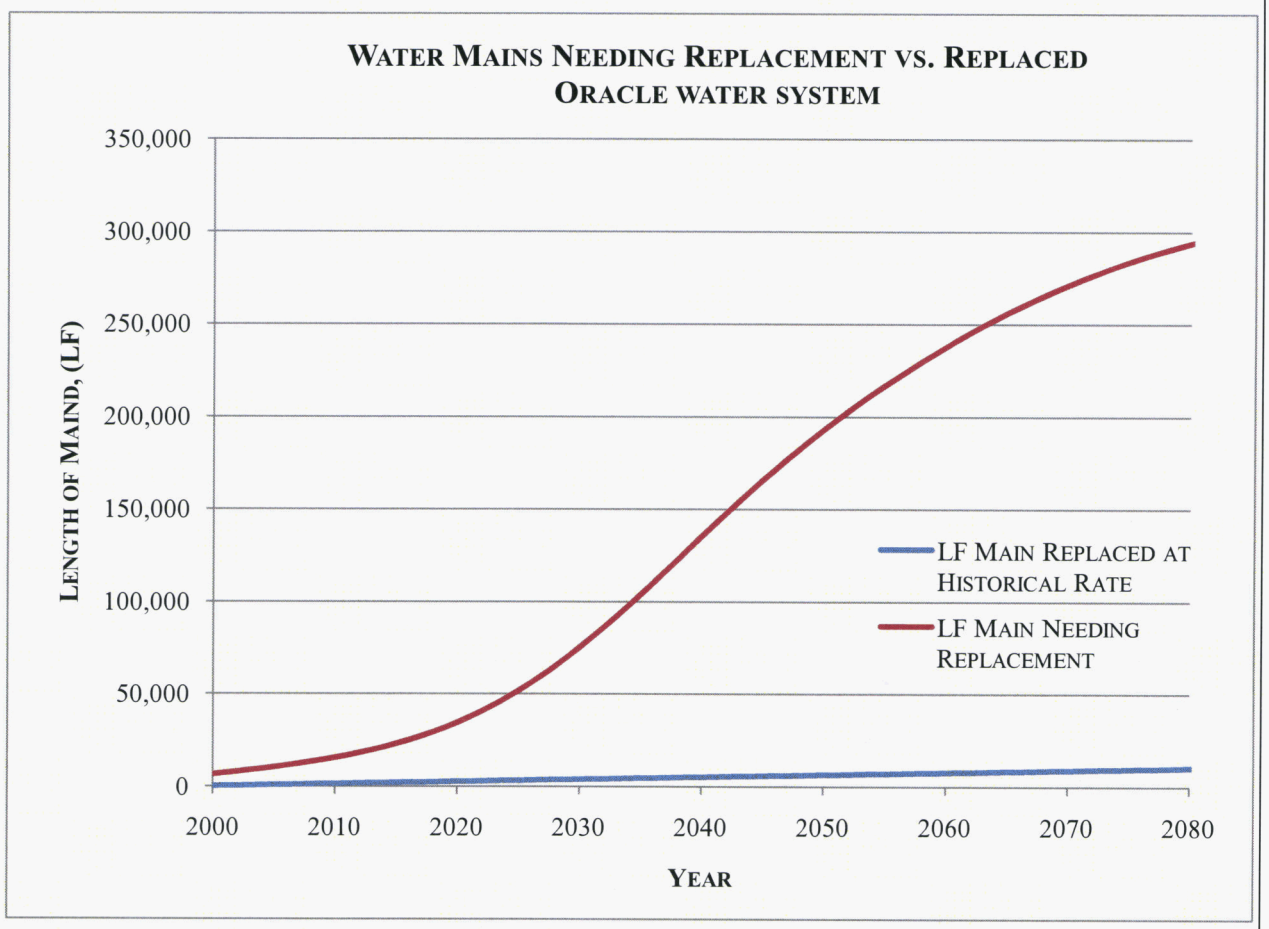
Bisbee: The Nessie Curve analysis is a predictive method to graph annual replacement needs based on the date of water main installations and their expected useful life. For the Bisbee water system, the graph below shows the predicted water main replacements needed versus historical replacement rates based on the average replacement rate between 2000 and 2010. Based on the current replacement rate, the Company has determined that it would take over 170 years to replace the existing infrastructure. The graph clearly depicts the current scenario where the existing replacement rate is not sufficient to keep pace with actual water system replacement needs. The analysis shows that approximately 140,000 LF of water mains already need to be replaced in the Bisbee water system. Another 40,000 LF of water main will need to be replaced over the next 10 years. Replacement of 180,000 LF of water mains represents 47 percent of the Bisbee water system. The estimated cost to replace 180,000 LF of water main is $23.5 million, as detailed in Exhibit FKS-14.



At the historical replacement rate of 2,200 LF annually, the Company will continue to fall further behind on water main and service line replacements for its Bisbee water system. Replacement costs will continue to increase further limiting the quantity of aging and failing water mains and service lines that the Company may be able to replace. With 100+ year-old pipe already near failure or failing, replacing this aging infrastructure now or in the near future is critically needed to reduce water loss and ensure reliable and adequate water service. Without a DSIC or some other funding mechanism, or higher returns on equity, the required replacement rate cannot be achieved.

Oracle:

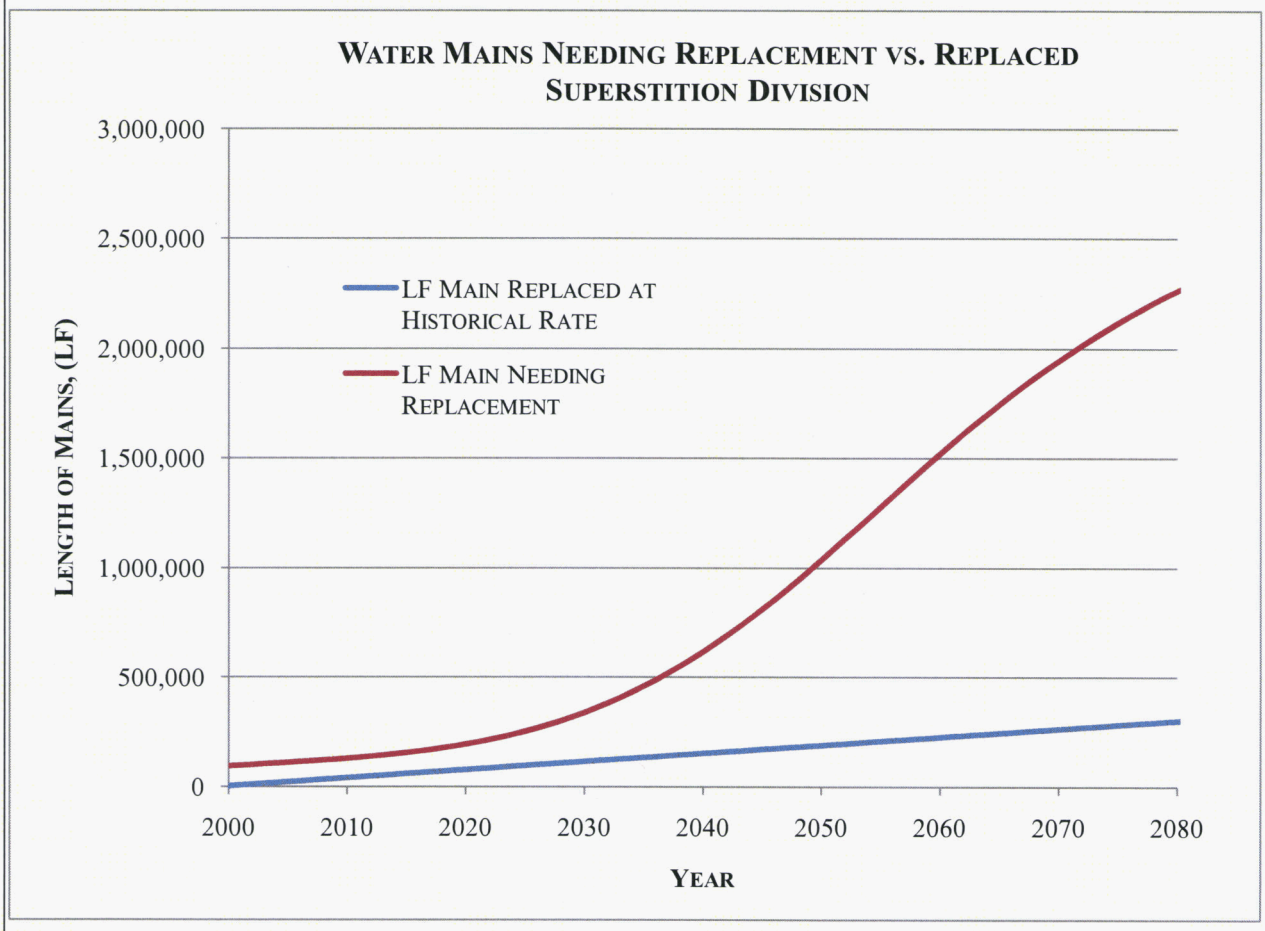
For the Oracle water system, the graph below shows the predicted water main replacements needed versus historical replacement rates based on the average replacement rate between 2000 and 2010. Based on the current replacement rate, the Company has determined that it would take more than 70 years to replace the failing service lines alone. The Company is planning to replace approximately 10,500 LF of problematic mains based on the complete review of the documented water main and service line repair history and the Nessie Curve Analysis. The estimated cost to replace approximately 10,500 LF of water mains and 450 service lines is $1.8 million over the next 10 years.



At the historical rate of water main replacement, the Company anticipates it will not be able to keep up with the needed water main replacements over the next 10 years. The above Graph shows that a significant increase in the rate of water main replacements will be necessary. As shown in the Water Loss Reduction Program for Water Systems in the Eastern Group attached as Exhibit FKS-13, the historical rate of service line replacements is approximately 10 service lines per year. The Company needs to increase replacements of aging and failing service lines to approximately 45 per year, which is more than four times as much as was historically replaced over the last decade. Each year, replacement costs and the quantity of aging and failing water mains and services are escalating making it increasingly difficult to replace such aging mains and services. Without a DSIC or some other funding mechanism or higher returns on equity, the required replacement rate cannot be achieved.

Superstition:

For the Superstition Division, the graph below shows the predicted water main replacements needed versus historical replacement rates based on the average replacement rate between 2000 and 2010. Based on the current replacement rate, the Company has determined that it would take nearly 640 years to replace the existing infrastructure. The analysis shows that approximately 160,000 LF of water main or approximately six percent of water mains in the Superstition Division need to be replaced, including 4,250 plastic and 2,350 GS service lines over the next 10 years, at an estimated cost of $41.6 million, as detailed in Exhibit FKS-16. The graph clearly shows that the current replacement rate is not sufficient to keep pace with the water system replacements needed.



At the historical replacement rate for water mains of approximately 4,100 LF annually, the Company will continue to fall further behind on water main and service line replacements for its Superstition Division water systems. Over the long-term, the graph above shows that the current replacements needed are approximately three times greater than the current rate of replacement. Replacement costs will continue to increase further limiting the quantity of aging and failing water mains and service lines that the Company may be able to replace. Each year, replacement costs and the quantity of aging and failing water mains and service lines are escalating, making it increasingly more difficult to replace such aging mains and services. Without a DSIC or some other form of funding mechanism or higher returns on equity, the required replacement rate cannot be achieved.

Q. HAS THE COMPANY PREPARED A COST ESTIMATE TO REPLACE THIS INFRASTRUCTURE?

A. Yes. The Company has prepared a cost estimate to replace this infrastructure in the Superstition Division and in the Bisbee and Oracle water systems. The estimated cost to replace this infrastructure is listed in the following table:

AREA	COST ESTIMATE
Superstition	$41.6 million
Bisbee	$23.5 million
Oracle	$1.8 million

Details of these cost estimates are included in Appendix 9.5 of Exhibit FKS-13 which are also included as Exhibits FKS-14 through FKS-16 in this testimony. These cost estimates were based on water mains and service lines needing replacement between 2011 and 2020. Replacement unit costs were based on recent bids from other Company projects within the Eastern Group.

Q. HAS THE COMPANY CONSOLIDATED THE ORACLE AND SADDLEBROOKE RANCH SYSTEMS FOR ADWR AND ADEQ REPORTING PURPOSES?

A. Yes. These water systems were interconnected in 2007. On May 21, 2010, the Company notified ADEQ that it had consolidated the SaddleBrooke Ranch water system into the Oracle water system (PWSID No. 11-019). The Company is also seeking to consolidate these systems for ratemaking purposes as further discussed in the direct testimony of Mr. Harris and Mr. Reiker.

Q. TO REDUCE WATER LOSS AS THE COMMISSION DIRECTED IN DECISION NO. 71845, WHAT SPECIFIC UTILITY PLANT REPLACEMENTS HAS THE COMPANY COMPLETED TO REDUCE WATER LOSS IN THE BISBEE, MIAMI, ORACLE AND SUPERIOR WATER SYSTEMS?

A. The Company evaluated five of its Eastern Group water distribution systems through the use of its digital leak detection equipment and analyzed data the Company collected over the past several years regarding main breaks and service line leaks. The Company determined that waterlines in seven separate areas needed to be replaced so that the Company could reduce water loss and move towards compliance with the standard set by the Commission in Decision No. 71845. A high pressure isolation valve was also installed to better manage the repair of a high pressure transmission line supplying water to Superior and help to reduce water loss when making these repairs. The Company also budgeted additional funds needed to replace infrastructure as further described below.

A. <u>Cochise – Bisbee (PWSID No. 02-001):</u>

<u>Project One</u>

Project One is replacement of 1,500 LF of failing 6-inch steel waterline w/6-inch DIP along Campbell Street from Hoatson to Cole Street and 460 LF of 8-inch DIP on Cole Street from Arizona Street to Nance Street. Based on the Company's detailed water loss evaluation of the Bisbee water distribution system it determined that significant portions of the 6-inch steel waterline on Campbell Street and 8-inch steel waterline on Cole Street were failing and needed to be replaced. The leak history shows numerous leaks and repairs with 32 leaks in the past 10 years alone. Completion of this project is critical to the Company's compliance with Decision No. 71845. In

addition, the City of Bisbee was also performing a road improvement project in this area. The existing waterline was in conflict with the proposed road improvements at several locations.

Project Two

Project Two is the replacement of 1,140 LF of failing 8-inch and 6-inch steel waterline with 8-inch DIP in Clawson Avenue from Rupp Avenue to Navajo Trail. Based on the Company's detailed water loss evaluation of the Bisbee water distribution system it determined that significant portions of the 6-inch and 8-inch steel waterlines on Clawson Street were failing and needed to be replaced. Over 70 repairs have been made to this waterline, with 56 leaks recorded in the past 6 years alone. Completion of this project is critical to the Company's compliance with Decision No. 71845.

B. Oracle (PWSID No. 11-019):

Project Three

Project Three is the replacement of 270 LF of failing 4-inch steel waterline w/6-inch DIP in American Avenue and College Drive. Based on the Company's detailed water loss evaluation of the Oracle water distribution system it determined that a significant portion of the 4-inch steel waterline at the intersection of American Avenue and College Drive was failing and needed (or needs) to be replaced. This waterline is located near the center of a busy intersection which increases repair costs due to additional traffic control requirements. Completion of this project is critical to the Company's compliance with Decision No. 71845.

Project Four

Project Four is the replacement of a 440 LF of failing 2-inch galvanized steel waterline w/6-inch DIP on Discover Street. Based on the Company's detailed water loss evaluation of the Oracle water distribution system, a

significant portion of the 2-inch galvanized steel waterline on Discover Street was failing and needed to be replaced. This waterline is over 50 years old and has had several leaks. Completion of this project is critical to the Company's compliance with Decision No. 71845.

Project Five

Project Five is the replacement of 1,100 LF of failing 2-inch galvanized steel waterline w/6-inch DIP on Stewart Road, Truman Street and Sherman Road. Based on the Company's detailed water loss evaluation of the Oracle water distribution system it determined that a significant portion of the 2-inch galvanized steel waterline on Stewart Road, Truman Street and Sherman Road was failing and needed to be replaced. Portions of this waterline are almost 50 years old and have had several leaks. Severe external corrosion on the waterline made it very difficult to repair.

C. Superstition – Miami (PWSID No. 04-002):

Project Six

Project Six (US 60) is replacement of 1,645 LF of failing 8-inch CA waterline w/8-inch DIP along Live Oak Street (US 60) from Marion Street to New Street. Based on the Company's detailed water loss evaluation of the Miami water distribution system it determined that a significant portion of the 8-inch CA waterline on US 60 was failing and needed to be replaced. The leak history shows numerous leaks and repairs with 9 leaks recorded in the past 6 years alone. Two of the adjoining sections of this water main had been replaced in 2002 and 2008. Due to budget constraints, replacement of this section of waterline had been postponed until this year.

D. Superstition – Superior (PWSID No. 11-021):

Project Seven

Project Seven is the installation of a 12-inch in-line high pressure isolation valve for the Superior transmission line. The Superior transmission line is 26 miles long, supplies all of the water to the Superior water distribution system (PWSID #11-021), and operates at pressures up to 800 psi. Originally installed in 1973, repair parts for the existing valves are no longer available and currently only 3 valves remain operational. When a leak or break occurs, due to the distance between valves, it takes several hours to drain the line resulting in significant labor costs and, on average, the loss of over 100,000 gallons of water. Installation of this additional isolation valve will reduce water loss and repair costs. Due to the high cost of these specialty valves, the Company can only install one of these valves each year. Therefore, the Company is planning to install one additional valve each year until a spacing of one valve per mile has been achieved.

Project Eight

Project Eight is the replacement of trench and backfill of the Company's Queen Creek tank fill transmission line. The Queen Creek tank fill line is an 8-inch transmission line that carries water from the 12-inch transmission line to the Queen Creek Tank and provides the water supply for the Town of Superior. An increasing frequency of leaks has been reported on this line. Company engineers have investigated the leaks and determined the primary cause of the leaks is due to failing pipe gaskets. The line was installed above ground in 1973. Over time, the gaskets have become weathered and brittle due to exposure to the sun and the elements causing an increase in the number of leaks and increasing water loss. Each year, this waterline experiences a significant amount of movement due to expansion and

contraction of the pipe with seasonal temperature changes. The brittle gaskets develop leaks from the expansion and contraction. Erosion of the soil around the pipe installation has caused additional movement and leaks. The pipe itself is in good condition and is serviceable. New gaskets were installed on the existing line and the line was also installed underground to protect the pipe gaskets from future weathering and limit movement of the pipe due to temperature variations and erosion.

Q. WHEN WILL THESE PROJECTS BE COMPLETED?

A. In accordance with the Commission's directive in Decision No. 71845, the Company quickly moved forward with the waterline replacement projects to replace the failing waterlines. All of these projects have been completed by the Company in accordance with the Commission's July 1, 2011 deadline to comply with its order to reduce water loss. A detailed description of these projects and supporting information are listed in Section III of this testimony and Exhibit FKS-1.

Q. THESE URGENTLY-NEEDED WATERLINE REPLACEMENTS REPRESENT A SIGNIFICANT CAPITAL INVESTMENT BY THE COMPANY TO ADDRESS SYSTEM WATER LOSS. HOW DID THE DECISION TO MAKE THIS INVESTMENT COME ABOUT?

A. Apart from the very high loss of water from these old leaking waterlines, the most compelling reason came from the Commission itself. The Commission ordered the Company to reduce water loss in *all* systems to less than 10 percent by July 1, 2011. For the Eastern Group, the Company determined that locating and repairing leaks and breaks alone could not comply with this water loss reduction mandate. Despite the Company's aggressive water loss reduction efforts, these efforts have not been enough to reduce water loss in all systems to less than 10 percent as the Commission required.

Q. WILL THESE WATERLINE REPLACEMENTS HELP TO REDUCE WATER LOSS?

A. Yes. These waterline replacements are needed to help reduce water loss and move towards compliance with the Commission's order to reduce water loss. However, more replacements of aging infrastructure are needed in the Eastern Group to comply with water loss requirements. The solution to this problem requires an ongoing commitment to the planned replacement of aging and failing waterlines. In some cases, larger diameter waterlines are needed. This addresses the Commission's directive to the Company to reduce water loss. The replacement of a growing number of service lines is also required, as failing service lines are another significant source of water loss. Due to this critical need, the Company has developed a plan that is detailed in Sections 5.0, 6.0 and 7.0 of the report attached as Exhibit FKS-13.

Q. HOW IS THE COMPANY PROPOSING TO RESOLVE THE GAP IN INFRASTRUCTURE REPLACEMENT TO REDUCE WATER LOSS AND KEEP IT LOWER THAN 10 PERCENT?

A. As stated previously, the Company has prepared a detailed plan to begin replacing water mains and service lines that are needed to reduce water loss. The detailed plan includes collectively replacing approximately 37,000 LF of aging water mains and 875 aging service lines each year in the five Eastern Group water systems discussed in the "Water Loss Reduction Program for Water Systems in the Eastern Group".

Q. WHAT IS THE ESTIMATED COST OF THESE REPLACEMENTS?

A. For the Eastern Group, it is estimated that these initial replacements will cost at least $3.1 million dollars annually. This is in addition to the proposed $2.5 million dollars of annual replacements identified within the Company's

Western Group Rate Case, Docket No. W-01445A-10-0517. The initial replacements only represent about half of the annual replacements needed for the Eastern Group. However, the initial 3-year replacement schedule is the first step towards replacing aging and failing water mains and service lines.

Q. CAN THE COMPANY CURRENTLY FUND THE REPLACEMENTS OF AGING INFRASTRUCTURE NEEDED TO REDUCE AND MANAGE WATER LOSS TO LESS THAN 10 PERCENT?

A. No, not without adequate rate relief, including an effective cost-recovery mechanism such as a Distribution System Improvement Charge ("DSIC"). As discussed in Mr. Harris' and Mr. Garfield's direct testimony, the Company cannot construct these necessary water system replacements and incur the costs of doing so without a change in the way these costs are recovered.

Q. IS THE COMPANY MAKING ANY PROPOSALS TO ALLOW IT TO FUND THESE TYPES OF CRITICALLY NEEDED UTILITY PLANT REPLACEMENTS?

A. Yes. In other jurisdictions, utility commissions have authorized a DSIC to facilitate infrastructure replacement. The benefits of such a program include more efficient and timely investment of capital, significant progress in replacing aging infrastructure and enhanced service quality and reduction of water loss. As greater demands are placed on existing water supplies in the future, reducing water loss through the replacement of aging infrastructure will become even more important. Such programs typically include protections for customers such as limits on the amount of increased revenues that can be collected. Details of the DSIC program are presented in the direct testimony of Mr. Harris, while Mr. Garfield's direct testimony discusses the public policy aspects of a DSIC.

Q. DSIC PROCEDURES ORIGINATED IN THE EASTERN PORTION OF THE UNITED STATES. IS THE PROBLEM OF AGING INFRASTRUCTURE UNIQUE TO THAT AREA?

A. No. The Company's water systems throughout Arizona have varying numbers of facilities that are obsolete, beyond their useful life and are already failing or nearing failure and need to be replaced. As presented and discussed in Sections 5.0, 6.0 and 7.0 of Exhibit FKS-13, water mains installed and placed in service during the early 1900s through the 1930s and later have reached the end of their useful service lives.

Q. HAVE YOU PREPARED AN ANALYSIS OF AGING INFRASTRUCTURE IN THE EASTERN GROUP?

A. Yes. The analysis shows approximately 370,000 LF of water main or approximately 11.1 percent of the Eastern Group water systems are in need of replacement including over 4,915 plastic service lines and more than 3,850 galvanized steel service lines over the next 5-10 years. This analysis is based on a complete review of the documented water main and service line breaks and repair history summarized in Appendix 9.1 of Exhibit FKS-13. The specific replacement projects are presented in detail in Appendix 9.4 of Exhibit FKS-13. As explained on page 73 of my testimony, the Company estimates that replacing these failing water mains and service lines will cost $67 million. An explanation of this detailed cost estimate is provided in Exhibit FKS-13. Each year, these costs will increase and the quantity of aging water mains and service lines that have exceeded their useful service life will increase, thereby making it increasingly more difficult to keep up with necessary replacements.

Q. THE EASTERN GROUP WATER SYSTEMS CONSIST OF WATER MAINS DATING BACK TO THE EARLY 1900s THROUGH 1920s. WHY ARE THESE FACILITIES A PROBLEM?

A. There are numerous studies which have been completed documenting the failure of infrastructure installed during this time period.[3] Materials used to make and join distribution system piping have evolved over time. From the late 1800s until the 1920s, most piping installed was manufactured from "pit" cast iron. Some of the older water mains in the Eastern Group are of this type of cast iron.

Beginning in the late 1920s, up to and including the 1960s, "spun" cast iron was primarily used. It is stronger and more uniform than "pit" cast iron and allowed for thinner pipes. These improved cast iron water mains were installed without corrosion protection or polyethylene encasement. Over time, these thinner-walled unprotected cast iron mains are corroding and failing. Cement lining and leadite joining compound plasticized sulfur cement) were introduced during the same time period, although leadite joints were eventually found to have increased splitting and corrosion compared to lead. Flexible rubber gasket joints and ductile iron pipe were introduced in the 1950s and 1960s, respectively, improving joints and reducing corrosion rates. The use of PVC and high density polyethylene ("HDPE") pipe began to emerge in the 1970s and early 1990s, respectively. Cast iron piping (both pit and spun), installed in the 1900s and later, is approaching the end of its useful life and many main breaks are associated with this type of pipe.

[3] DeBerry, David W. Kidwell, James R., Malish, David A. (1982). *Corrosion in Potable Water Systems.* United States Environmental Protection Agency. Thomson, James and Wang, Lili (2009). *State of Technology Review Report on Condition Assessment of Ferrous Water Transmission and Distribution Systems.* United States Environmental Protection Agency.

Deteriorating water distribution system infrastructure include: 1) increased leakage and breaks; 2) taste, odor and rusty water complaints; 3) reduced flow capacity; and 4) reduced chlorine levels due to corrosion products and biofilms. Consequently, there is an increased potential for water quality degradation and health risks associated with aging infrastructure. As a result, this aging piping also needs to be replaced. The analysis included as Exhibit FKS-13 discusses in detail the numerous problems associated with these aging facilities.

Q. OF THE COMPANY'S 19 WATER SYSTEMS, WHICH IS THE OLDEST?

A. The Company's Bisbee water system is the oldest water system with water mains dating back to the early 1900s.

Q. FOR THE BISBEE WATER SYSTEM, WHAT IS THE COMPANY PROPOSING AS AN INITIAL REPLACEMENT PROGRAM?

A. There are three critical geographic areas in the Bisbee water system where water mains need to be replaced: the Warren, Old Bisbee and Don Luis areas, which have shown a significant number of water main and service line leaks and breaks. A specific replacement program has been developed to reduce water losses for these three areas and to help comply with the Commission directive under Decision No. 71945 by replacing aging water mains and service lines. Replacement of the aging and failing water mains and service lines over the next 10 years equates to an annual replacement program of over $2.0 million. A replacement program of this magnitude would significantly increase water rates. The Company has proposed a more conservative initial three-year replacement program and estimates the annual cost of this initial three-year infrastructure replacement program to be $500,000 for the Bisbee water system.

Q. DO THE EASTERN GROUP OPERATORS ROUTINELY DISCOVER AND REPAIR WATER LEAKS?

A. Yes. The Company found and repaired over 2,250 leaks between January 2005 and December 2010 in the five water systems discussed in the "Water Loss Reduction Program for Water Systems in the Eastern Group" further described in Section X of this testimony and as shown in Appendix 9.1 of Exhibit FKS-13. This equates to more than one and a half leak repairs every work day. Approximately 62 percent of the recorded leaks were service line leaks. All leaks are repaired promptly after they are detected and located. According to a study completed by the Aging Water Infrastructure Research division of the Environmental Protection Agency, there are 240,000 water main breaks per year in the United States, or a water main break 650 times per day[4]. That equates to one main break every two minutes. For the Company's Eastern Group water systems evaluated in the "Water Loss Reduction Program for Water Systems in the Eastern Group", there have been one and a half waterline leaks practically every work day for the past six years.

Q. DOES THIS CONCLUDE YOUR DIRECT TESTIMONY IN THIS MATTER?

A. Yes.

[4] *Water Distribution Systems* (2009). United States Environmental Protection Agency Aging Water Infrastructure Research Program, http://www.epa.gov/awi/distributionsys.html (Oct. 28, 2010).

FKS-1

FKS-1

POST TEST YEAR PLANT ADDITIONS – PROJECT DETAIL

INDEX

PLANT DESCRIPTION **WA NO.**

Cochise – Bisbee (02-001)

A. **COCHISE - BISBEE (PWSID #02-001)**

WATERLINE RELOCATION FOR ARIZONA STREET DRAINAGE AND ROADWAY SAFETY IMPROVEMENT PROJECT ..... WA 1-4692

REPLACE 1,500 LF OF FAILING 6-INCH STEEL WATERLINE WITH 6-INCH DIP ALONG CAMPBELL STREET FROM HOATSON TO COLE STREET AND 460 LF OF 8-INCH DIP ON COLE STREET FROM ARIZONA STREET TO NANCE STREET ..... WA 1-4767

REPLACE 1,140 LF OF FAILING 8-INCH AND 6-INCH STEEL WATERLINE WITH 8-INCH DIP ON CLAWSON AVENUE FROM RUPP AVENUE TO NAVAJO TRAIL ..... WA 1-4795

B. **ORACLE (PWSID #11-019)**

REPLACE 270 LF OF OLD AND FAILING 4-INCH STEEL WITH 6-INCH DIP ON AMERICAN AVENUE AND COLLEGE DRIVE ..... WA 1-4798

REPLACE 440 LF OF OLD AND FAILING 2-INCH GALVANIZED STEEL WITH 6-INCH DIP ON DISCOVER STREET ..... WA 1-4799

REPLACE 1,100 LF OF OLD AND FAILING 2-INCH GALVANIZED STEEL WITH 6-INCH DIP ON STEWART ROAD, TRUMAN STREET AND SHERMAN ROAD ..... WA 1-4800

C. **SUPERSTITION**

I. **SUPERSTITION – APACHE JUNCTION (PWSID #11-004)**

CONSTRUCT EXPANSION TO THE OASIS ARSENIC REMOVAL FACILITY FROM 3.6 MILLION GALLONS PER DAY ("MGD") TO 7.7 MGD ..... WA 1-4226

REPLACE OBSOLETE SUPERVISORY CONTROL AND DATA ACQUISITION ("SCADA") SYSTEM COMPUTERS AND OPERATING SOFTWARE ..... WA 1-4788

PULL AND REPLACE THE PUMP IN APACHE JUNCTION WELL NO. 15 ..... WA 1-4792

REPLACE FAILED 600 HP SIZE 7 REDUCED VOLTAGE MOTOR STARTER AT OASIS WELL NO. 13 ..... WA 1-4833

PULL AND REPLACE PUMP AND MOTOR AT APACHE JUNCTION WELL NO. 16 ..... WA 1-4842

II. **SUPERSTITION – MIAMI (PWSID #04-002)**

UPDATE PROGRAMMING AT WELL NOS. 12, 27 AND 28 ..... WA 1-4789

REPLACE 1,645 LF OF FAILING 8-INCH CA WATERLINE WITH 8-INCH DIP ALONG LIVE OAK STREET (US 60) FROM MARION TO NEW STREET ..... WA 1-4794

III. **SUPERSTITION – SUPERIOR (PWSID #11-021)**

INSTALL ONE 12-INCH IN-LINE HIGH PRESSURE ISOLATION VALVE FOR SUPERIOR TRANSMISSION LINE ..... WA 1-4787

TRENCH AND BACKFILL QUEEN CREEK TANK FILL LINE ..... WA 1-4793

FKS-2

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/1/2011

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
MRL	FKS		EASTERN GROUP

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:

PROJECT DESCRIPTION:

DRILL AND EQUIP NEW WELL PER AWC SPECIFICATIONS.

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
1	EA	$ 50,000	PURCHASE PROPERTY	$ 50,000
1	EA	400,000	DRILL AND CASE 18" WELL	400,000
1	EA	125,000	PURCHASE AND INSTALL PUMPING EQUIPMENT	125,000
1	EA	150,000	PURCHASE AND INSTALL ELECTRICAL EQUIPMENT	150,000
1	EA	50,000	ELECTRICAL POWER TO SITE	50,000
1	EA	100,000	INSTALL WELL YARD PIPING AND ANCILLARY ITEMS	100,000
1	EA	60,000	TIE NEW WELL INTO EXISTING DISTRIBUTION SYSTEM	60,000
				-
				-
				-
				-
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	935,000
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	14,025
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	65,450
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 1,014,475**
(5) OVERHEAD - 15% OF LINE (4)	152,171
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	91,303
SUBTOTAL - LINES (4), (5) AND (6)	**$ 1,257,949**
ESTIMATED COST OF CONSTRUCTION	**$ 1,257,949**

AFH

FKS-3

ARIZONA WATER COMPANY

Apache Junction Water System Production Analysis Oasis Arsenic Removal Facility

Prepared by Arizona Water Company

Registered Professional Engineer (Civil)
CERTIFICATE NO.
29338
FREDRICK K.
SCHNEIDER
Date Signed 7-26-11
ARIZONA, U.S.A.

Exp 9-30-13

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Attachment B 7

Registered Professional Engineer
CERTIFICATE NO.
29338
FREDRICK K.
SCHNEIDER
Date Signed 7-26-11
ARIZONA, U.S.A.

Exp 9-30-13

Current Production Needs

The purpose of this analysis is to evaluate the need for additional water supplies that comply with all safe drinking water act standards for Arizona Water Company's (the "Company") Apache Junction water system, which is part of the Company's Superstition Division. All groundwater supplies within the Company's Apache Junction water system are treated to remove arsenic to comply with safe drinking water act standards, therefore, in addition to evaluating the need for additional water supplies, this analysis also evaluates the need for additional arsenic removal facility capacity. Furthermore, this analysis describes the methodology used to determine the need for additional arsenic removal capacity within the Apache Junction water system.

The Company measures and records water production capacities from each of its wells on a monthly basis. For this production analysis, Company engineers compiled monthly water production capacity information for each well within the Apache Junction water system to calculate Average Day Peak Month ("ADPM") and Peak Day Peak Month ("PDPM") demands. 2010 water production data shows that the peak month production occurred in June, 2010. Furthermore, in reviewing ten years of historical water production information, Company engineers determined that June or July are typically the peak production months. June 2010 peak month production volumes for the Apache Junction water system are shown in Attachment A. Using the June 2010 peak monthly production, the ADPM demand was calculated by taking the sum of all production sources within the Apache Junction water system and then dividing by 30, the number of days in June. Using diurnal system production and storage data, Company engineers determined that the Apache Junction water system PDPM demand was 1.5 times the ADPM demand. In other words, the peak day demand for the Apache Junction water system is approximately 1.5 times the average daily demand in the peak month. The ADPM and PDPM demands are shown in Attachment A.

The production capacity versus demand analysis used in this scenario considered an event during which the well pump for the largest well in the Apache Junction water system had failed. These types of well pump failures do happen and this scenario represents a likely or potential event. Typically the well pump can be removed, replaced and placed back into service within three days. This time frame assumes that the pump replacement contractor works 24 hours per day to complete repairs within this three-day timeframe. For this scenario, Company engineers assumed a well pump failure of the most critical production source during PDPM demand. During a typical well pump replacement, production capacity shortfall would be supplemented by existing system storage tank capacity. Effectively, this is modeled by removing the production capacity of the most critical production source and then adding the equivalent production capacity of one third the total available storage for each day of the failure for a total of three days. The total available storage capacity is reduced by approximately half to account for the fact that all tanks are not full at the beginning of a well pump failure and sufficient storage volumes must be maintained to provide fire protection. Company measured and recorded water production capacities are used to determine the current pumping capacity for each source. It is assumed that each source is used continuously (i.e., water production continues 24 hours per day without interruption). The total available production is calculated in terms of Gallons Per Day ("GPD") by taking the sum of all sources less the most critical production source.

The system is then modeled using the calculated production volumes and system demand as described above. In this well pump failure scenario, the model shows that there is a shortfall or deficit of at least 2.2 million gallons per day ("MGD") for the Apache Junction water system as shown in Attachment B.

Alternatives for Additional Production Capacity

Company engineers evaluated several alternatives to increase the potable supply capacity in the Apache Junction water system which include expanding the Oasis arsenic removal facility, installing an interconnect to the Company's Superior water system and drilling another well in the Apache Junction area and treating the water from this new well, or using existing well capacity.

Currently, the Apache Junction water system has an existing well that is utilized for production capacity redundancy but requires treatment. This well is referred to as Oasis Well No. 19 and is used for redundancy at the Oasis arsenic removal facility in the event of a failure of the Company's Well No. 13. With an expansion to the existing Oasis arsenic removal facility, the existing well (Well No. 19) could be used which would add an additional 4.1 MGD of production capacity. This site is sufficient in size to accommodate an expansion to the Oasis arsenic removal facility and no additional property would be required. This alternative eliminates the need to drill a new well and acquire additional real property, representing a cost savings of at least $1.8 million for these costs alone.

Based on the Company's evaluation of the Superior water system's wells and water system demands, it was determined that installing an interconnect between Apache Junction and Superior water systems could provide an additional 1,080,000 GPD. This potable supply alternative will not resolve the shortfall or supply deficit within the Apache Junction water system under this scenario.

Drilling a new well in the Apache Junction water system involves several engineering challenges including real property acquisition, acquisition of easements for the construction of transmission lines from the real property to the Company's distribution system and addressing groundwater quality issues to comply with the Safe Drinking Water Act. The Company does not own real property in the Apache Junction area that is suitable for drilling a new well. Therefore, the Company would need to acquire additional real property under this alternative. However, based on the Company's experience and knowledge gained by drilling wells in this area, most of the land suitable for drilling a well is located on the west side of Apache Junction. This area is nearly fully developed and acquiring property in this area would be difficult and expensive. All wells in the Apache Junction area require arsenic treatment and drilling a new well would most likely require a new arsenic removal facility or the expansion of an existing facility.

Recommendations

As detailed previously, the Apache Junction water system requires 2.2 MGD of additional potable water production supply in order to maintain a safe and reliable water supply. Based on the alternatives evaluated and described previously, expanding the Oasis arsenic removal facility is the most cost-effective solution. Most importantly, acceptable water quality and quantity are already available at Oasis Well No. 19 keeping the arsenic removal facility

expansion cost to a minimum. Therefore, the Company engineers recommend the expansion of the Oasis arsenic removal facility from its existing capacity of 3.5 MGD to 7.7 MGD allowing the Company to provide an adequate, safe, reliable and affordable water supply for the Apache Junction water system.

Attachment A
Apache Junction Water System
Production Analysis

APACHE JUNCTION WATER SYSTEM

SUPERSTITION SYSTEM JUNE 2010
PINAL COUNTY, ARIZONA

Calculations to determine Average Day and Peak Day Demand

PEAK MONTH PRODUCTION		
Well #11	0	Gallons
Well #12	1,000	Gallons
Well #13	103,199,000	Gallons
Well #14	2,337,000	Gallons
Well #15	28,894,000	Gallons
Well #16	113,271,000	Gallons
Well #17	12,244,000	Gallons
Well #18	1,000	Gallons
Well #19	21,514,000	Gallons
TOTAL MONTHLY PRODUCTION	281,461,000	Gallons

DAILY DEMAND CALCULATIONS		
Number of days in Peak Month	30	Days
Average Day Peak Month (**ADPM**)	= 281,461,000 / 30	GPD
Average Day Peak Month (**ADPM**)	**9,382,033**	GPD
Peak Demand Factor	1.5	
Peak Day Peak Month (**PDPM**)	= ADPM * 1.5	GPD
Peak Day Peak Month (**PDPM**)	**14,073,050**	GPD

Attachment B
Apache Junction Water System
Monthly Demand Calculations

APACHE JUNCTION WATER SYSTEM
Well #16 Out of Service

SYSTEM	MONTH (2010)	ADPM GPD	PDPM GPD	TOTAL PRODUCTION AT POE (GPD)	1/3 OF TOTAL AVAILABLE STORAGE (GPD)	SYSTEM NET GAIN or (LOSS) GPD
AJ	June	9,382,033	14,073,050	8,568,000	3,116,667	(2,388,383)

Additional production required

Source	Production (GPM)	POE	Production (GPM)	Tank Name	Storage (GAL)
Well #11	720	Oasis ARF*	2500	County Line #1	1,000,000
Well #13	2500			County Line #2	4,000,000
Well #19	2900			Lower Zone	2,000,000
				Oasis	550,000
Well #12	650	Baseline ATP*	3450	Baseline	1,000,000
Well #14	550			University #1	500,000
Well #15	1250			University #2	1,000,000
Well #16	2500			University #3	4,000,000
Well #18	1000			UDC	2,000,000
				Gold Canyon	500,000
				Vista Del Corozon	1,000,000
				Mining Camp #1	150,000
				Mining Camp #2	1,000,000
	TOTAL PRODUCTION AT POE (GPM):		5,950	TOTAL AVAILABLE STORAGE (GAL):	18,700,000

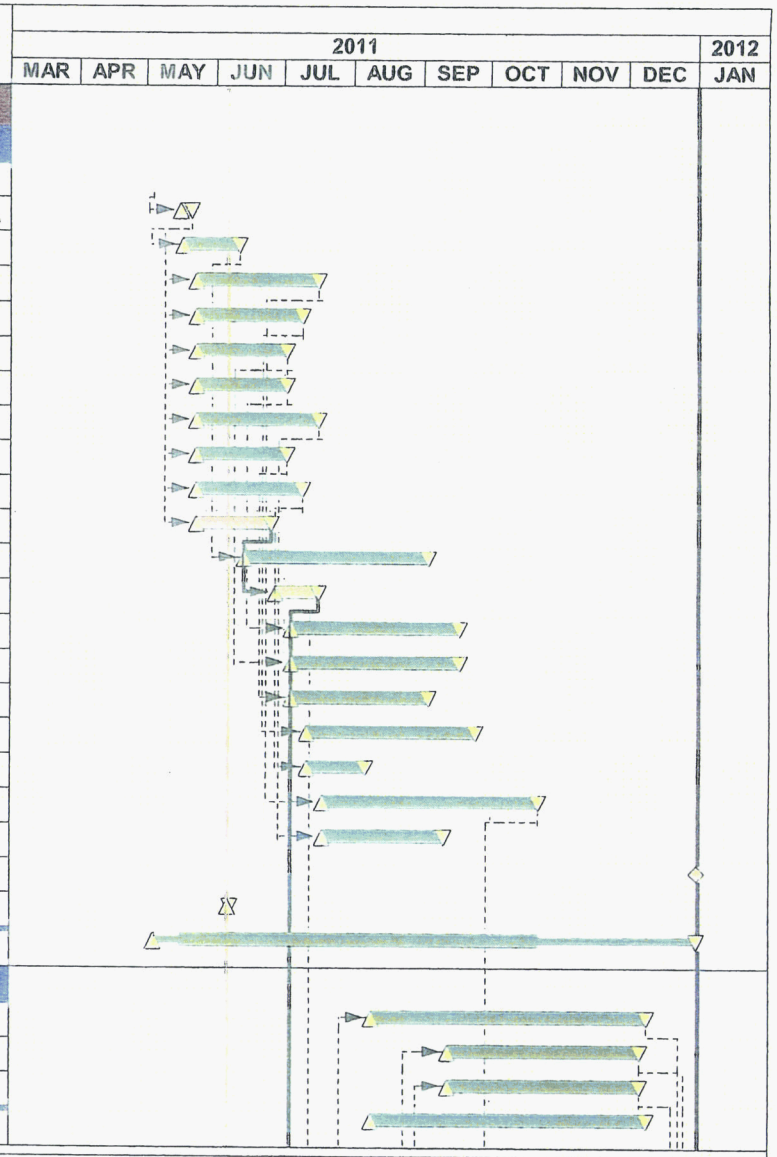
Critical well assumed temporarily out of service due to pump failure

Design Statement for Well Production:

The water distribution system must have sufficient well capacity to meet the peak day demand for three consecutive days with the largest well out-of-service. One-half of the total storage is available to meet the three peak days with the remaining storage held in reserve for fire protection and other misc needs/demands.

FKS-4

Activity Description	Working Days	Early Start	Early Finish
OASIS ARSENIC TREATMENT FACILITY			
ADMINISTRATIVE			
NOTICE TO PROCEED	0	04MAY11 A	
CONTRACTS & PROCUREMENT	5	16MAY11 A	20MAY11 A
SUBMITTALS & DRAWINGS - ARSENIC VESSELS	10	17MAY11 A	10JUN11
SUBMITTALS & DRAWINGS - RECESSED IMPELER PUMP	40	23MAY11 A	15JUL11
SUBMITTALS & DRAWINGS - SLUDGEMATE ROLL-OFF	35	23MAY11 A	08JUL11
SUBMITTALS & DRAWINGS - INLINE CENTRIFUGAL PUMPS	30	23MAY11 A	01JUL11
SUBMITTALS & DRAWINGS - SLUDGEMATE FILTRATE PUMP	30	23MAY11 A	01JUL11
SUBMITTALS & DRAWINGS - ELECTRICAL	40	23MAY11 A	15JUL11
SUBMITTALS & DRAWINGS - CHEMICAL SYSTEM	30	23MAY11 A	01JUL11
SUBMITTALS & DRAWINGS - BACKWASH TANK	35	23MAY11 A	08JUL11
SUBMITTALS & DRAWINGS - PIPE AND MISC. EQUIPMENT	30	23MAY11 A	24JUN11
PROCUREMENT - ARSENIC VESSEL	60	13JUN11	02SEP11
PROCUREMENT - PIPE & MISC. EQUIPMENT	15	27JUN11	15JUL11
PROCUREMENT - SLUDGEMATE FILTRATE PUMP	55	04JUL11	16SEP11
PROCUREMENT - IN-LINE CENTRIFUGAL PUMP	55	04JUL11	16SEP11
PROCUREMENT - CHEMICAL SYSTEM	45	04JUL11	02SEP11
PROCUREMENT - SLUDGEMATE ROLL-OFF	55	11JUL11	23SEP11
PROCUREMENT - BACKWASH TANK	20	11JUL11	05AUG11
PROCUREMENT - RECESSED IMPELER PUMP	70	18JUL11	21OCT11
PROCUREMENT - ELECTRICAL EQUIPMENT	40	18JUL11	09SEP11
FINAL COMPLETION	0		30DEC11 *
	1	06JUN11	06JUN11
	173	04MAY11 A	30DEC11
SYSTEMS TEMPORARY OPERATION DURING CONSTRUCTION			
RELOCATE EXISTING DECANT PUMP	88 *	09AUG11	08DEC11
RELOCATE EXISTING TRANSFER PUMP	61 *	12SEP11	05DEC11
RELOCATE EXISTING SLUDGEMATE	61 *	12SEP11	05DEC11
	88	09AUG11	08DEC11



Project title	OASIS ARSENIC TREATMENT FACILITY
Start date	05NOV10
Finish date	30DEC11
Run date	06JUN11

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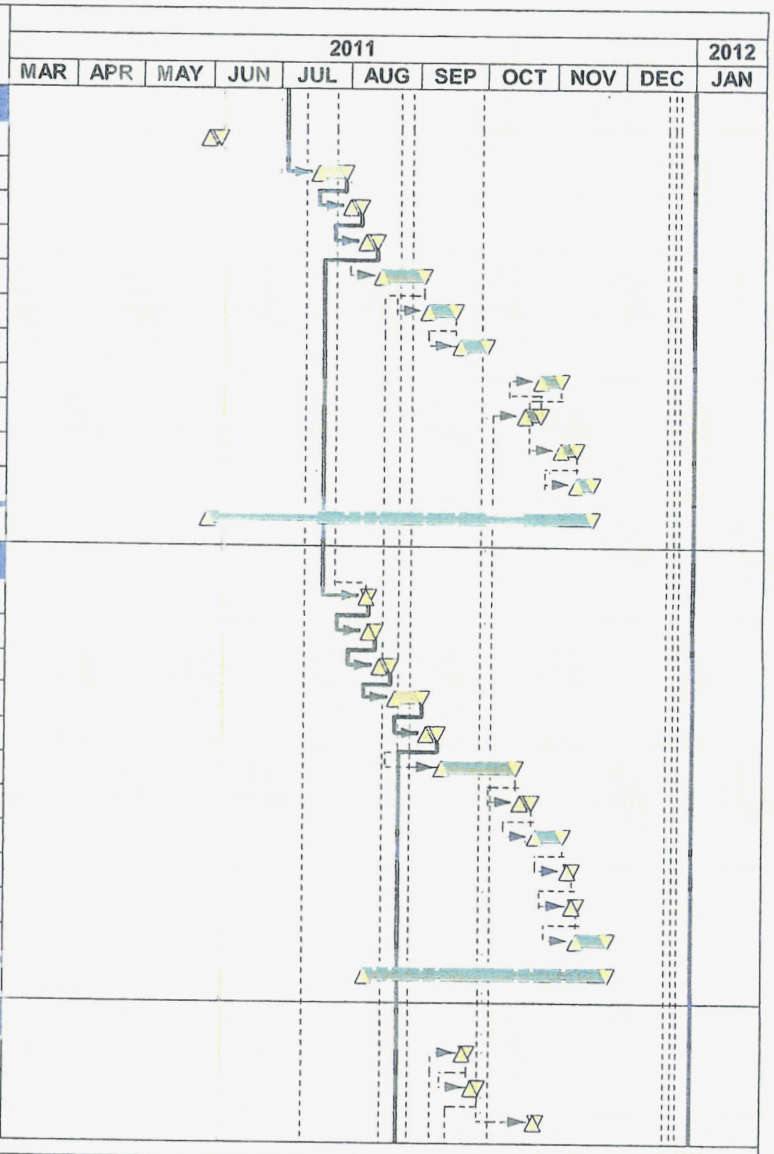
ARIZONA WATER COMPANY
OASIS WATER CAMPUS
ARSENIC TREATMENT FACILITY EXPANSION
MGC CONTRACTORS, INC.

- △ Early start point
- ▽ Early finish point
- Early bar
- Critical bar
- Start milestone point
- Finish milestone point

Activity Description	Working Days	Early Start	Early Finish
YARD PIPE			
POTHOLE FOR EXISTING UTILITIES	5	30MAY11 A	03JUN11 A
DIG/LAY EFF-16 LINE	10	18JUL11	29JUL11
DIG/LAY BWR-12 LINE	5	01AUG11	05AUG11
DIG/LAY OF-12 LINE	5	08AUG11	12AUG11
DIG/LAY DCT-6 LINE	15	15AUG11	02SEP11
DIG/LAY DUCT BANKS	10	05SEP11	16SEP11
** MOPO 1.5 ** INSTALL ELECTRICAL GEAR & PLC	10	19SEP11	30SEP11
DIG/LAY PW-3 LINE	7	25OCT11	02NOV11
DIG/LAY SD-12	5	18OCT11	24OCT11
DIG/LAY UW-2 LINE	5	03NOV11	09NOV11
DIG/LAY SPR-2 LINE	5	10NOV11	16NOV11
	93	30MAY11 A	16NOV11
BACKWASH TANK			
** MOPO 1.3 ** RELOCATE EXISTING DECANT PUMP	1	09AUG11	09AUG11
DEMO EXISTING CONC PAD	3	10AUG11	12AUG11
EXCAVATE & GRADE FOR TANK FLOOR	5	15AUG11	19AUG11
PLACE CONCRETE TANK FLOOR	10	22AUG11	02SEP11
PLACE CONCRETE PUMP PAD	5	05SEP11	09SEP11
ERECT & PAINT STEEL TANK	25	12SEP11	14OCT11
INSTALL OF-12 & BWR-12 RISER PIPE	5	17OCT11	21OCT11
FILL & TEST TANK 02	10	24OCT11	04NOV11
** MOPO 1.4 ** DRAIN TANK 01 INSTALL NEW NOZZLE	2	07NOV11	08NOV11
FILL AND TEST TANK 01	2	09NOV11	10NOV11
PAINT TANK 01	10	11NOV11	24NOV11
	78	09AUG11	24NOV11
DECANT & SLUDGE PUMPS & PIPE			
SET IN-LINE CENTRIFUGAL PUMPS	2	22SEP11	23SEP11
INSTALL DECANT PIPE, VALVES & ELECTRICAL	3	26SEP11	28SEP11
SET RECESSED IMPELER PUMP	1	24OCT11	24OCT11



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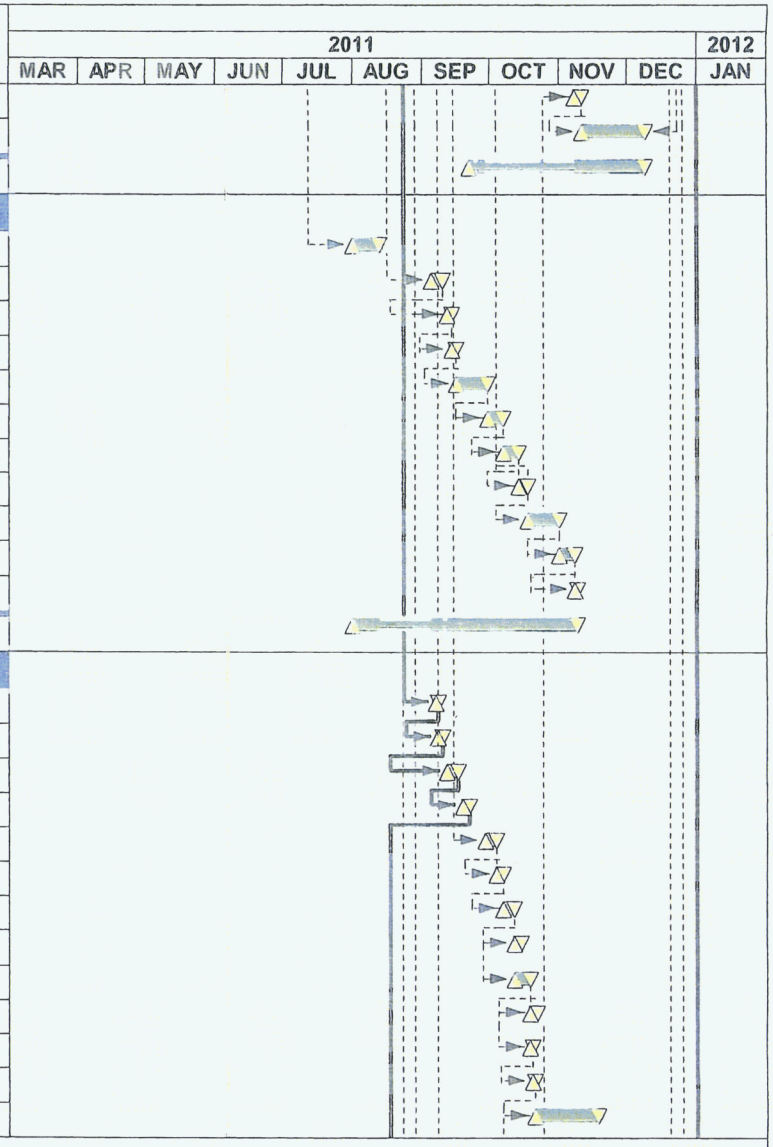
Activity Description	Working Days	Early Start	Early Finish
INSTALL SLUDGE PIPE, VALVES & ELECTRICAL	3	08NOV11	10NOV11
STARTUP & TEST	20	11NOV11	08DEC11
	56	22SEP11	08DEC11
RETENTION BASIN & WELL			
BUILD RETAINING WALL	10	01AUG11	12AUG11
DEMO BURIED PIPE & VALVES	5	05SEP11	09SEP11
REROUTE LIGHTING CONDUIT	2	12SEP11	13SEP11
REROUTE PW LINE	2	14SEP11	15SEP11
EXCAVATE RETENTION BASIN	10	16SEP11	29SEP11
PLACE GROUTED RIP RAP SPLASH PADS	5	30SEP11	06OCT11
PLACE PLAIN RIP RAP	5	07OCT11	13OCT11
RAISE CATCH BASIN	2	14OCT11	17OCT11
INSTALL DRY WELL	10	18OCT11	31OCT11
INSTALL WELL #13 PUMP OUT PIPE	5	01NOV11	07NOV11
** MOPO 1.6 ** WELL 13 OFF LINE	1	08NOV11	08NOV11
	72	01AUG11	08NOV11
CHEMICAL PUMPS & STORAGE AREA			
** MOPO 1.3 RELOCATE EXISTING CHEMICAL SYSTEM	1	07SEP11	07SEP11
DIG/LAY BURIED CONDUIT & CHEMICAL LINES	2	08SEP11	09SEP11
GRADE FOR CONCRETE PAD	5	12SEP11	16SEP11
PLACE CONCRETE PADS & CONTAINMENT AREA	3	19SEP11	21SEP11
INSTALL LOADING STATION	3	29SEP11	03OCT11
SET CHEMICAL TANKS	3	04OCT11	06OCT11
INSTALL PUMPS	3	07OCT11	11OCT11
INSTALL ELECTRICAL CONDUIT & WIRE	3	12OCT11	14OCT11
INSTALL CHEMICAL PIPING & VALVES	5	12OCT11	18OCT11
INSTALL CANOPY	3	19OCT11	21OCT11
** MOPO 1.2 ** TIE IN AT INLET HEADER	1	19OCT11	19OCT11
RELOCATE EXISTING CHLORINE TANK	1	20OCT11	20OCT11
START UP & TEST	20	21OCT11	17NOV11



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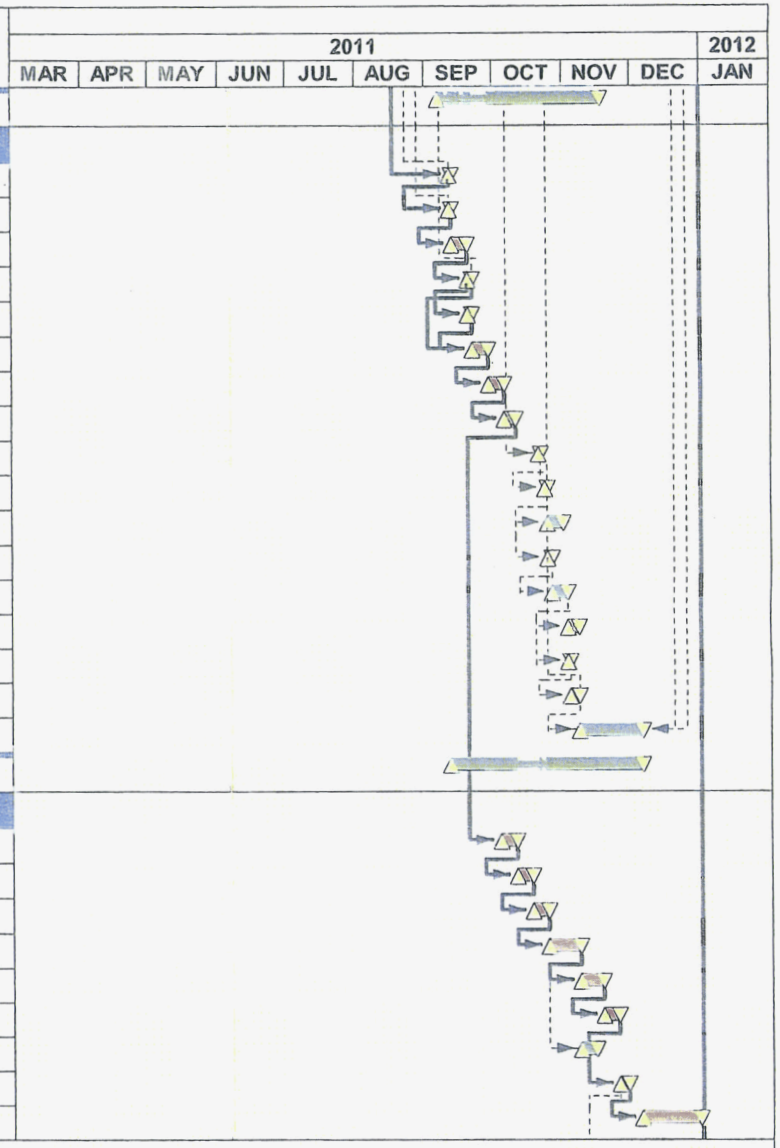
Activity Description	Working Days	Early Start	Early Finish
	52	07SEP11	17NOV11
POLYMER AREA & SLUDGEMATE			
** MOPO 1.3 ** RELOCATE EXISTING TRANSFER PUMP	1	12SEP11	12SEP11
** MOPO 1.3 ** RELOCATE EXISTING SLUDGEMATE	1	12SEP11	12SEP11
DEMO EXISTING CONCRETE CONTAINMENT AREA	5	13SEP11	19SEP11
DIG/LAY SLG & TRF LINES	2	20SEP11	21SEP11
DIG/LAY BURIED ELECTRICAL CONDUIT	2	20SEP11	21SEP11
GRADE FOR CONCRETE PAD	5	22SEP11	28SEP11
PLACE CONCRETE SUMP PIT	5	29SEP11	05OCT11
PLACE CONCRETE PADS	3	06OCT11	10OCT11
INSTALL POLYMER SYSTEM	1	21OCT11	21OCT11
INSTALL TRANSFER PUMPS	1	24OCT11	24OCT11
INSTALL ELECTRICAL CONDUIT & WIRE	5	25OCT11	31OCT11
INSTALL SLUDGEMATE	2	25OCT11	26OCT11
INSTALL AG PIPING	5	27OCT11	02NOV11
INSTALL CANOPY	3	03NOV11	07NOV11
TIE IN AT BACKWASH TANKS	1	03NOV11	03NOV11
RELOCATE EXISTING SLUDGEMATE	2	04NOV11	07NOV11
STARTUP & TESTING	20	08NOV11	05DEC11
	61	12SEP11	05DEC11
ARSENIC VESSELS			
DIG/LAY BURIED ELECTRICAL CONDUIT	5	04OCT11	10OCT11
PLACE CONCRETE VESSEL SUPPORTS	5	11OCT11	17OCT11
SET VESSELS	5	18OCT11	24OCT11
INSTALL 16" - 6" PIPE & VALVES	10	25OCT11	07NOV11
INSTALL VESSEL INTERNAL HEADERS	8	08NOV11	17NOV11
LOAD FILTER MEDIA	5	18NOV11	24NOV11
INSTALL ELECTRICAL CONDUIT & WIRE	5	08NOV11	14NOV11
** MOPO 1.8 ** TIE IN TO NEW EFF-16	2	25NOV11	28NOV11
STARTUP & TEST	20	05DEC11	30DEC11



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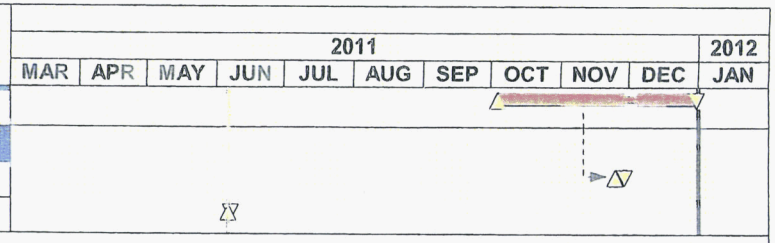
MGC CONTRACTORS, INC.

- Early start point
- Early finish point
- Early bar
- Critical bar
- Start milestone point
- Finish milestone point

Activity Description	Working Days	Early Start	Early Finish
	64	04OCT11	30DEC11
RAW WATER PIPE & CHEMICAL INJECTION			
** MOPO 1.1 ** INSTALL 12" - 6" PIPE & VALVES	2	25NOV11	28NOV11
	1	06JUN11	06JUN11



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- ▽ Early finish point
- Early bar
- Critical bar
- Start milestone point
- Finish milestone point

FKS-5

ARIZONA WATER COMPANY

Apache Junction Water System Production Analysis Baseline Arsenic Removal Facility

Prepared by Arizona Water Company

Registered Professional Engineer (Civil)
CERTIFICATE NO.
29338
FREDRICK K.
SCHNEIDER
Date Signed 7-26-11
ARIZONA, U.S.A.

SKJ 9-30-13

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Registered Professional Engineer (Civil)
CERTIFICATE NO.
29338
FREDRICK K.
SCHNEIDER
Date Signed 7-26-11
ARIZONA, U.S.A.

Exp 9-30-13

Current Arsenic Removal Capacity Needs

The purpose of this analysis is to evaluate the need for additional water supplies and additional arsenic removal facility capacity to meet peak water system demands and comply with all safe drinking water act standards for Arizona Water Company's (the "Company") Apache Junction water system, which is part of the Company's Superstition Division. All groundwater supplies within the Company's Apache Junction water system are treated to remove arsenic to comply with safe drinking water act standards; therefore, during certain instances and types of treatment equipment failure, the Company may not have adequate treatment capacity remaining in service to meet the peak water system demands. Furthermore, this analysis describes the methodology used to determine the need for additional water supplies and additional arsenic removal capacity within the Apache Junction water system.

The Company measures and records water production capacities from each of its wells on a monthly basis. For this production analysis, Company engineers compiled monthly water production capacity information for each well within the Apache Junction water system to calculate Average Day Peak Month ("ADPM") and Peak Week Peak Month ("PWPM") demands. PWPM demand is defined as the continuous daily demand which occurs during a peak week. The peak week typically occurs during the peak month, being June 2010. Furthermore, in reviewing ten years of historical water production information, Company engineers determined that June or July are typically the peak production months. June 2010 peak month production volumes for the Apache Junction water system are shown in Attachment A. Using the June 2010 peak monthly production, the ADPM demand was calculated by taking the sum of all production sources within the Apache Junction water system and then dividing by 30, the number of days in June. Using system production data, Company engineers determined that the Apache Junction water system PWPM demand was 1.2 times the ADPM demand. In other words, the daily demand during the peak week for the Apache Junction water system is approximately 1.2 times the average daily demand in the peak month. The ADPM and PWPM demands are shown in Attachment A.

The supply versus demand analysis used in this scenario considered an event during which a portion of the treatment capacity at one of the two Company arsenic removal facilities had failed or was otherwise out of service. These types of equipment failures can and do happen and this scenario represents an event, that although not highly probable, has a real potential to develop. A similar event occurred in the summer of 2008 when the underdrain in one of the filter vessels at the Company's Baseline arsenic removal facility failed, significantly reducing the arsenic removal capacity of the Baseline facility. After measuring the extent and identifying the potential cause of the equipment failure, Company engineers determined that the Baseline facility could be returned to service but at a significantly reduced capacity. In this real life example, the arsenic removal capacity was reduced by 45 percent from 6.5 million gallons per day ("MGD") to 3.6 MGD. In the spring of 2009, a similar event occurred at the Company's Oasis arsenic removal facility, however, the event of failure in that case was more severe, and Company engineers determined that the Oasis arsenic removal facility could not be returned to service, even at a reduced capacity, until equipment repairs were completed.

For the purposes of this analysis, the Company identified a similar failure scenario during which the arsenic removal capacity of the largest facility was reduced by 50 percent. Typically

equipment failures of this type and magnitude can take 30-60 days or more to repair as was the case in the earlier two failures. Many of the components in these arsenic removal facilities are semi-custom parts and have long delivery times. Effectively, this scenario is modeled by removing the production capacity of one-half of the most critical (largest) arsenic removal facility production source. In this case analysis, with the Oasis arsenic removal facility at its new expanded capacity identified as the largest facility, its capacity was reduced by 50 percent. Due to the length of time needed to make the required repairs, the available water storage capacity of this water system contributes no appreciable contribution to water system production requirements. In addition, since this scenario extends over a period of 60 days of continuous operation of wells and arsenic removal facilities is not feasible. Therefore, arsenic removal facilities and wells are assumed operational for 22 hours per day.

The supply and demands for this water system are then modeled using the calculated production volumes and system demand as described above. In this arsenic removal equipment failure scenario, the model shows that there is a shortfall or deficit of at least 1.8 MGD for the Apache Junction water system as shown in Attachment A.

Alternatives for Additional Arsenic Removal Capacity

Company engineers evaluated several alternatives to increase the arsenic removal capacity in the Apache Junction water system which include expanding the Baseline Arsenic Removal Facility, installing an interconnect to the Company's Superior water system and constructing a new arsenic removal facility.

Alternative One

The Baseline arsenic removal facility would need to be expanded by 1.8 MGD to resolve the shortfall or supply deficit within the Apache Junction water system under this scenario. The Baseline arsenic removal facility has 3 horizontal vessels each of which can remove approximately 2.1 MGD of arsenic at the current concentration levels. To expand this facility in a modular fashion, a forth horizontal vessel would need to be constructed of identical size thereby increasing the removal capacity from 6.5 MGD to 8.6 MGD. The existing site is adequately sized to accommodate an expansion of the Baseline arsenic removal facility. This alternative eliminates the need to construct a new arsenic removal facility and acquire additional real property, representing a cost savings of at least $1.7 million for these costs alone.

Alternative Two

Based on the Company's evaluation of the Superior water system's wells and water system demands, it was determined that installing an interconnect between the Company's Apache Junction and Superior water systems could provide an additional 1.1 MGD. This potable supply alternative would only make up 60 percent of the shortfall or supply deficit within the Apache Junction water system under this scenario. In addition, the Company is still working with the Arizona State Land Department to acquire the necessary easements and rights-of-way required. Company engineers estimate the cost to construct this interconnect is approximately $1.5 million. In addition, a new well and expansion of the Superior arsenic removal facility would be required to fully mitigate the supply shortfall, all at additional costs.

Alternative Three

Constructing a new arsenic removal facility in the Apache Junction water system involves several engineering challenges including the acquisition of real property and easements, and the construction of transmission lines. The Company does not own real property in the Apache Junction area near the Company's existing well field sufficiently sized to accommodate a facility of this size. The area near the Company's existing wells is nearly fully developed and acquiring real property in this area would be difficult and expensive. The Company would also need to construct a lengthy transmission main to transmit the untreated groundwater from the Company's existing wells to the new arsenic removal facility site. Construction of this transmission main through the fully developed area could cost in excess of $180-$200 per foot or the equivalent of $1.0 million dollars per mile in addition to the real property purchase and construction of a new arsenic removal facility.

Recommendations

As detailed previously, the Apache Junction water system requires at least 1.8 MGD of additional potable water production supply in order to maintain a safe and reliable water supply. Based on the alternatives evaluated and described herein, expanding the Baseline arsenic removal facility is the most cost-effective solution. Therefore, the Company engineers recommend the expansion of the Baseline arsenic removal facility from its existing capacity of 6.5 MGD to 8.6 MGD allowing the Company to provide an adequate, safe, reliable and affordable water supply for the Apache Junction water system.

Attachment A
Apache Junction Water System
Production Analysis

APACHE JUNCTION WATER SYSTEM

SUPERSTITION SYSTEM JUNE 2010
PINAL COUNTY, ARIZONA

Calculations to determine Average Day and Peak Week Demand

PEAK MONTH PRODUCTION		
Well #11	0	Gallons
Well #12	1,000	Gallons
Well #13	103,199,000	Gallons
Well #14	2,337,000	Gallons
Well #15	28,894,000	Gallons
Well #16	113,271,000	Gallons
Well #17	12,244,000	Gallons
Well #18	1,000	Gallons
Well #19	21,514,000	Gallons
TOTAL MONTHLY PRODUCTION	281,461,000	Gallons

DAILY DEMAND CALCULATIONS		
Number of days in Peak Month	30	Days
Average Day Peak Month (**ADPM**)	= 281,461,000 / 30	GPD
Average Day Peak Month (**ADPM**)	**9,382,033**	GPD
Peak Week Demand Factor	1.2	
Peak Week Peak Month (**PWPM**)	= ADPM * 1.2	GPD
Peak Week Peak Month (**PWPM**)	**11,258,440**	GPD

Attachment B
Apache Junction Water System
Monthly Demand Calculations

SUPERSTITION WATER SYSTEM
Baseline ARF Expansion with Oasis ARF Out of Service

SYSTEM	MONTH (2010)	ADPM GPD	PWPM GPD	TOTAL PRODUCTION AT POE (GPD)	SYSTEM NET GAIN or (LOSS) GPD
AJ	June	9,382,033	11,258,440	9,504,000(2)	1,754,440

Additional production required

Source	Production (GPM)	POE	Production (GPM)
Well #11	720	Oasis ARF* (1)	2700
Well #13	2500		
Well #19	2900		
Well #12	650	Baseline ARF*	4500
Well #14	550		
Well #15	1250		
Well #16	2500		
Well #18	1000		

Treatment plant assumed temporarily out of service due to minor treatment component failure.

TOTAL PRODUCTION AT POE (GPM): 7,200

Design Statement for Production:

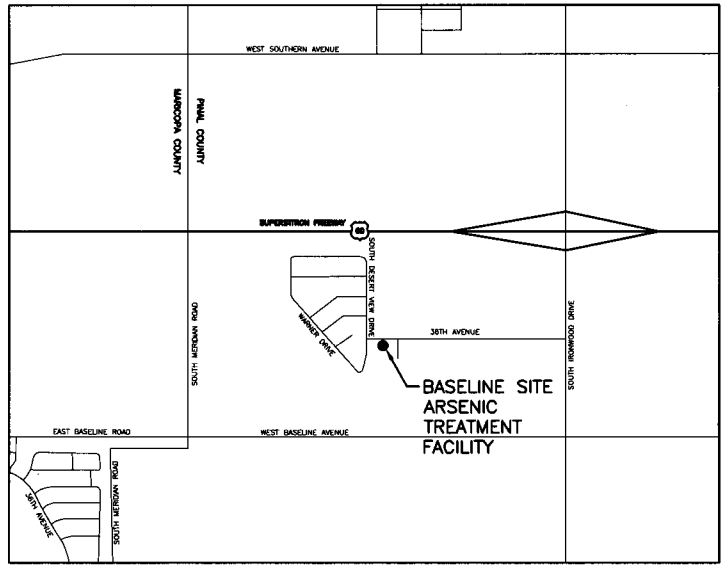
- Water production at this POE is limited by the total available arsenic removal facility capacity or well production capacity, whichever is less.

(1) Assume a treatment component or equipment failure which reduces plant capacity by 50%
(2) Production capacity is limited to 22 hrs/day

ARIZONA WATER COMPANY

BASELINE SITE ARSENIC TREATMENT FACILITY 30% SUBMITTAL

DECEMBER 2008



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Rev. No.	Revision Note	Date	Design	Drawn	Checked

Attachment C

[redacted]
Hansenphan Consulting Services, Inc.
3950 N. 3RD STREET
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APPROVAL

ARIZONA WATER COMPANY — DATE

CITY OF APACHE JUNCTION — DATE

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY — DATE

SITE LOCATION

W. 36TH AVE, WEST OF SOUTH IRONWOOD DR.
APACHE JUNCTION, AZ

Sheet Title: COVER SHEET	Drawn By: NBG		Date: 12/08/08
	Design By: RN		Date: 12/08/08
	Approved By: RN		Date: 12/08/08
Project Location: ARIZONA WATER COMPANY	Project name: BASELINE ARSENIC TREATMENT FACILITES		
Client Project No. / Project No.: 0310	Scale: AS NOTED	File Name: 0310-G-01	Sheet: G-01

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GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL CONFORM TO THE MOST CURRENT UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION AS FURNISHED BY THE MARICOPA ASSOCIATION OF GOVERNMENTS AND ARIZONA WATER COMPANY STANDARD DETAILS. ALL WORK AND MATERIALS NOT IN CONFORMANCE WITH THIS AMENDED SPECIFICATIONS AND DETAILS ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
2. CONTRACTOR TO OBTAIN ANY PERMITS REQUIRED UNLESS OTHERWISE INDICATED. THE CONTRACTOR IS ADVISED THAT AN EXCAVATIONS AND DIRT MOVING PERMIT MAY BE REQUIRED BY THE ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THIS PERMIT, IF NECESSARY, AND COMPLY WITH ITS REQUIREMENTS.
3. IN THE BASE BID, CONTRACTOR SHALL INCLUDE 24 HOURS OF BURIED UTILITY LOCATING SERVICE AND 40 HOURS OF POTHOLING EXISTING UTILITIES. CONSULT ENGINEER WITH RESULT OF POTHOLING EFFORT TO DETERMINE WHAT FIELD ADJUSTMENTS ARE REQUIRED.
4. THE CONTRACTOR SHALL COORDINATE WORK SCHEDULES WITH AWC SO AS TO PREVENT ANY CONFLICTING WORK CONDITIONS.
5. BUILDING CODE INSPECTION SHALL BE BY THE CITY OF APACHE JUNCTION.
6. EXISTING PIPING, ELECTRICAL, AND UTILITIES ARE BASED ON EXISTING RECORDS AND SURVEY INFORMATION.
   a. DAMAGE WORK TO SUCH UTILITIES CAUSED AS A RESULT OF THE WORK.
   b. DAMAGES TO EXISTING WALKS, WALLS, CURBS, PAVEMENTS AND TREES, ETC.
7. CONTRACTOR TO POTHOLE EXISTING UTILITIES AHEAD OF CONSTRUCTION, TO ALLOW FOR ANY NECESSARY ADJUSTMENT IN GRADE LINE AND TO VERIFY PIPE TYPES FOR ORDERING PROPER TRANSITION, AND/OR TIE-IN FITTINGS WHICH MAY BE REQUIRED.
8. CONTRACTOR IS RESPONSIBLE FOR REVIEWING ALL PLANS FOR DEMOLITION ITEMS.
9. ALL UTILITIES SHALL BE PROTECTED FROM DAMAGE AS A RESULT OF THE WORK. THE CONTRACTOR SHALL RELOCATE, REPAIR OR REPLACE AT HIS EXPENSE, ANY AFFECTED UTILITIES TO THE SATISFACTION OF THE UTILITIES OR AWC.
10. PROVIDE TEMPORARY THRUST RESTRAINT FOR EXISTING PIPING WHENEVER THE WORK REQUIRES. CONTRACTOR TO REPLACE OR RESTORE THE EXISTING RESTRAINT SYSTEM TO LIKE-NEW CONDITION.
11. CONTRACTOR SHALL PROTECT THE ADJACENT PROPERTY AND IMPROVEMENTS THERETO FROM ANY DAMAGE DURING CONSTRUCTION. ANY DAMAGE TO ADJACENT PROPERTY OR IMPROVEMENTS MUST BE REPAIRED OR REPLACED TO THE PROPERTY OWNER'S SATISFACTION, AT THE CONTRACTOR'S EXPENSE.
12. DIMENSIONS AND ELEVATIONS FOR EQUIPMENT INSTALLATION TO BE DETERMINED BASED UPON EQUIPMENT MANUFACTURER SELECTED.
13. WHERE INDICATED, DIMENSIONS AND ELEVATIONS TO BE FIELD VERIFIED.
14. EXISTING EQUIPMENT TO BE REMOVED AND SALVAGED FOR DELIVERY TO THE OWNER WILL BE MARKED BY ENGINEER PRIOR TO WORK, UNLESS OTHERWISE NOTED ON THE CONTRACT DOCUMENTS. CONTRACTOR TO REMOVE AND PROPERLY STORE SALVAGED EQUIPMENT ON THE SITE.
15. CONTRACTOR TO MAINTAIN ACCESS TO EXISTING FACILITIES FOR MAINTAINING OPERATIONS DURING CONSTRUCTION. IF THE WORK REQUIRES INTERRUPTION OF EXISTING ACCESS TO OPERATING FACILITIES, THE CONTRACTOR SHALL PROVIDE TEMPORARY ACCESS (APPROVED BY AWC) TO THESE FACILITIES.
16. THE CONTRACTOR SHALL ADJUST ALL EXISTING MANHOLES, VALVE BOXES, CLEANOUTS, BLIND FLANGED PIPING, AND FIRE HYDRANTS WITHIN WORK LIMITS REQUIRED TO MATCH PROPOSED FINAL GRADE.
17. GOVERNING BUILDING CODES:
    2006 INTERNATIONAL BUILDING CODE
    2005 NATIONAL ELECTRICAL CODE
    1994 UNIFORM PLUMBING CODE
18. CONTRACTOR TO MAINTAIN ACCESS FOR EMERGENCY RESPONSE VEHI '
19.
20.
21. SITE AND LEGALLY DISPOSED OF AT LEAST WEEKLY BY THE CONTRACTOR. KEEP SITE AREA CLEAN.
22. EXCAVATED SOIL IS TO BE USED TO FILL IN LOW SPOTS PRIOR TO BEING HAULED OFF SITE. CONTRACTOR SHALL ESTABLISH A SUITABLE STAGING AREA FOR STORAGE OF EXCAVATED SOIL.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY AT THE SITE WHILE CONSTRUCTION IS IN PROGRESS. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THE PUBLIC FROM ANY HAZARDS ARISING FROM CONSTRUCTION OPERATIONS AND PROTECTING EXISTING AND NEW IMPROVEMENTS FROM DAMAGE DUE TO ACCIDENT OR VANDALISM.
24. PROPERTY LINES AND DIMENSIONS FOR EXISTING WELL SITES ARE BASED ON EXISTING MAPS, AND/OR PROPERTY RECORDS. A BOUNDARY SURVEY WAS NOT PERFORMED.
25. IN ACCORDANCE WITH AAC R18-4-119, ALL MATERIALS WHICH MAY COME INTO CONTACT WITH DRINKING WATER SHALL CONFORM TO NSF INTERNATIONAL STANDARD 60 AND 61.
26. REFER TO PROJECT SPECIFICATION FOR MAG DETAILS REFERRED TO IN THE DRAWINGS.
27. MAINTAIN, RELOCATE, OR REPLACE EXISTING SURVEY MONUMENTS, CONTROL POINTS, AND STAKES WHICH ARE DISTURBED OR DESTROYED. PERFORM THE WORK TO PRODUCE THE SAME LEVEL OF ACCURACY AS THE ORIGINAL MONUMENT(S) IN A TIMELY MANNER, AND AT THE CONTRACTOR'S EXPENSE.
28. ELEVATIONS GIVEN ARE TO FINISH GRADE UNLESS OTHERWISE SHOWN. SLOPE UNIFORMLY BETWEEN CONTOURS AND SPOT ELEVATIONS SHOWN.
29. UNLESS SHOWN ON THE GRADING & DRAINAGE DRAWINGS, ALL DISTURBED AREAS NOT RECEIVING A HARD SURFACE OR GRAVEL SURFACE SHALL BE GRADED SMOOTH AND COMPACTED AS SPECIFIED.
30. CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING EROSION CONTROL DEVICES DURING CONSTRUCTION. EROSION CONTROL DEVICES, SILT FENCING, RUNOFF CONTAINMENT BERMS, AND STRAW BALES ARE THE MINIMUM REQUIRED.
31. CONTRACTOR SHALL TAKE ALL OTHER MEASURES TO POSITIVELY PRECLUDE EROSION MATERIALS FROM LEAVING THE SITE.
32. WHERE WATERLINES, RECLAIMED WATERLINES OR SANITARY SEWER LINES (NEW OR EXISTING) CROSS OVER OR UNDER EACH OTHER WITHIN THE RIGHT OF WAY, SEPARATION DISTANCES AND/OR PIPE LINE ENCASEMENTS SHALL BE PROVIDED AS NECESSARY IN ACCORDANCE WITH MAG DETAIL 404.

AWC - GENERAL NOTES

(ADD CURRENT VERSION OF AWC GENERAL NOTES WHEN PLANS ARE FINALIZED)

SHEET INDEX

SHEET	SHEET NAME
GENERAL	
G-01	COVER SHEET
G-02	DRAWING INDEX AND GENERAL NOTES
G-03	ABBREVIATIONS AND SYMBOLS
CIVIL	
C-01	CIVIL LEGEND, ABBREVIATIONS, AND SYMBOLS
C-02	DEMOLITION SITE PLAN
C-03	NEW FACILITIES AND YARD PIPING PLAN
C-04	FILTER VESSEL MODIFICATION
MECHANICAL	
M-01	PROCESS SCHEMATIC
M-02	FILTER VESSEL, SECTION AND DETAILS
M-03	RAPID MIXER
M-04	CHEMICAL STORAGE TANK PLAN
M-05	PLATE SETTLER AND DECANT PUMP STATION

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7502 A. 3RD STREET
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Sheet Title: DRAWING INDEX AND GENERAL NOTES	Drawn By: KWB	Date: 12/08/08	
	Design By: RN	Date: 12/08/08	
	Approved By: RN	Date: 12/08/08	
Project Location: ARIZONA WATER COMPANY	Project name: BASELINE ARSENIC TREATMENT FACILITES		
Client Project No. / Project No. 0310 / Scale AS NOTED	File Name 0310-G02	Sheet G-02	

30% SUBMITTAL

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ABBREVIATION	DESCRIPTION
/	PER
°	DEGREES
Ø	DIAMETER
"	INCHES OR SECONDS
'	FEET OR MINUTES
=	EQUALS
%	PERCENT
#	NUMBER OR POUND
@	AT
&	AND
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
AB	AGGREGATE BASE
ABAN	ABANDON
ABC	AGGREGATE BASE COURSE
AC	ASPHALT CONCRETE
ACB	ASPHALT CONCRETE BASE
ACI	AMERICAN CONCRETE INSTITUTE
ACP	ASBESTOS CEMENT PIPE
ACPA	AMERICAN CONCRETE PIPE ASSOCIATION
ACWS	ASPHALT CONCRETE WEARING SURFACE
ADDL	ADDITIONAL
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISH GRADE
AGC	ASSOCIATED GENERAL CONTRACTORS OF AMERICA, INC.
AGG	AGGREGATE
AIA	AMERICAN INSTITUTE OF ARCHITECTS
AIEE	AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AJ	APACHE JUNCTION
ALT	ALTERNATE
ALUM	ALUMINUM
AMB	AMBIENT
AMPS	AMPERES
ANB	ANCHOR BOLT
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX	APPROXIMATE OR APPROXIMATELY
APWA	AMERICAN PUBLIC WORKS ASSOCIATION
ARL	AIR RELEASE LINE
ARV	AIR/VAC RELEASE VALVE
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASP	ASPHALTIC PAVEMENT
ASPH	ASPHALT
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS
ATE	ARSENIC TREATMENT EFFLUENT
ATF	ARSENIC TREATMENT FACILITY
ATI	ARSENIC TREATMENT INFLUENT
AVE	AVENUE
AWC	ARIZONA WATER COMPANY
AWSC	AMERICAN WELDING SOCIETY CODE
AWWA	AMERICAN WATER WORKS ASSOCIATION
BC	BRASS CAP
BCR	BEGINNING OF CURB RETURN
BCV	BACKWASH CONTROL VALVE
BE	BASE ELEVATION
BEG	BEGINNING
BF	BLIND FLANGE
BFP	BACKFLOW PREVENTER
BFV	BUTTERFLY VALVE
BHP	BRAKE HORSEPOWER
BLD	BLIND
BLDG	BUILDING
BLVD	BOULEVARD
BM	BENCHMARK OR BEAM
BOC	BEGINNING OF CURVE
BOF	BOTTOM OF FOOTING
BOT	BOTTOM
BOW	BOTTOM OF WALL
BST	BITUMINOUS SURFACE TREATMENT
BTB	BITUMINOUS TREATED BASE
BUSH	BUSHING
BVC	BEGINNING OF VERTICAL CURVE
BW	BACKWASH
BWE	BACKWASH EFFLUENT
BWI	BACKWASH INFLUENT
BWT	BACKWASH HOLDING TANK
BWV	BACKWASH VALVE
CA	CHLORINE ANALYZER LINES
CB	CATCH BASIN
CBF&C	CATCH BASIN FRAME & COVER
CC OR C/C	CENTER TO CENTER
CDV	CONTACTOR DRAIN VALVE
CE	CITY OR COUNTY ENGINEER
CEM	CEMENT
CF	CURB FACE
CFM	CUBIC FEET PER MINUTE
CFS	CUBIC FEET PER SECOND
CI	CAST IRON
CIN	CORROSION INHIBITOR
CIP	CAST IRON PIPE
CIPP	CAST-IN-PLACE CONCRETE PIPE
CISP	CAST IRON SOIL PIPE
CJ	CONSTRUCTION JOINT
CL	CENTERLINE
Cl_2	CHLORINE
CLR	CLEAR OR CLEARANCE
CLS	CHLORINE SOLUTION
CLSM	CONTROLLED LOW STRENGTH MATERIAL
CM	CENTIMETER
CMP	CORRUGATED METAL PIPE
CMU	CEMENT MASONRY UNIT
CO	CLEAN OUT
CODP	CLEAN OUT DECK PLATE
COL	COLUMN
COMP	COMPRESSION
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUATION
CORP	CORPORATION
CP	CONTROL PANEL
CPLG	COUPLING
CPVC	CARBON POLYVINYL CHLORIDE
CTB	CEMENT TREATED BASE

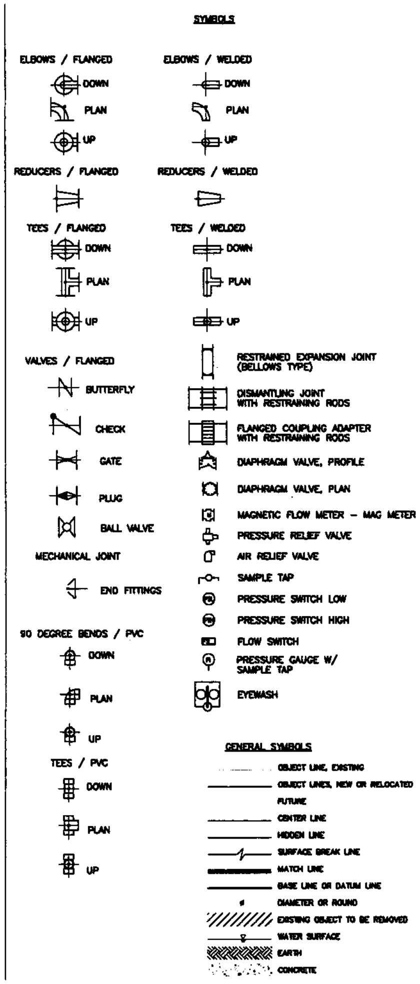
ABBREVIATION	DESCRIPTION
DBL	DOUBLE
DCS	DISTRIBUTED CONTROL SYSTEM
DEG	DEGREE
DG	DECOMPOSED GRANITE
DI	DUCTILE IRON
DIA	DIAMETER
DIM	DIMENSION
DIP	DUCTILE IRON PIPE
DISCH	DISCHARGE
DJ	DISMANTLING JOINT
DIV	DIVISION
DL	DRAIN LINE
DPS	DIFFERENTIAL PRESSURE SWITCH
DR	DRIVE
DWG	DRAWING
DTL	DETAIL
DTS	DETAILS
DV	DRAIN VALVE
DWL	DOWEL
DWY	DRIVEWAY
ELEC	ELECTRIC
E	EAST
EA	EACH
EASE	EASEMENT
EC	END OF CURVE
ECC	ECCENTRIC
ECR	END OF CURB RETURN
EDB	ELECTRIC DUCT BANK
EEW	EYEWASH
EF	EACH FACE
EG	EXISTING GRADE
EJ	EXPANSION JOINT
EL	ELEVATION
EMER	EMERGENCY
EMH	ELECTRICAL MANHOLE
EOP	EDGE OF PAVEMENT
EQUIP	EQUIPMENT
ETC	ET CETERA
EVC	END OF VERTICAL CURVE
EW	EACH WAY
EXIST	EXISTING
F & C	FRAME & COVER
F	FAHRENHEIT
FB	FIELD BOOK
FC	FLEXIBLE CONNECTOR
FCA	FLANGED COUPLING ADAPTER W/ RESTRAINING RODS
FCD	FERRIC CHLORIDE DRAIN
FCF	FERRIC CHLORIDE FEED
FCO	FERRIC CHLORIDE OVERFLOW
FCP	FILTER CONTROL PANEL
FCS	FERRIC CHLORIDE SUPPLY
FCT	FERRIC CHLORIDE STORAGE TANK
FCV	FLOW CONTROL VALVE
FDL	FLOOR DRAIN LINE
FDN	FOUNDATION
FE	FLOW ELEMENT
FECL3	FERRIC CHLORIDE
FF	FINISHED FLOOR
FFP	FERRIC CHLORIDE PUMP
FG	FINISHED GRADE
FH	FIRE HYDRANT
FIN	FINISHED
FL	FLOW LINE
FL EL	FLOOR ELEVATION
F	FLOOR LINE
FLG	FLANGE
FLGD	FLANGED
FLTR	FILTER
FM	FLOW METER
FND	FOUND
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FRB	FLOOR REINFORCED BOTTOM
FRE	FILTER TO RINSE EFFLUENT VALVE
FRP	FIBERGLASS REINFORCED POLYVINYL
FRT	FLOOR REINFORCED TOP
FS	FLOW SWITCH
FSS	FEDERAL SPECIFICATIONS AND STANDARDS
FT	FOOT OR FEET
FTG	FOOTING
FNTP	FEMALE NATIONAL PIPE THREAD
G	GUTTER
GA	GAGE
GAL	GALLON
GALV	GALVANIZED
GB	GRADE BREAK
GL	GROUND LINE
GPM	GALLONS PER MINUTE
GR	GRADE
GRV	GROOVED
GSN	GENERAL STRUCTURAL NOTES
H	HIGH OR HEIGHT
HAC	AIR COMPRESSOR
H_2O	WATER
HC	HOUSE CONNECTION
HCP	HORIZONTAL CONTROL POINT
HD	HEAD
HDWL	HEADWALL
HEX	HEXAGONAL
HG	HIGH
HORIZ	HORIZONTAL
HR	HANDRAIL
HS	HOSE STATION
HT	HEIGHT
HWY	HIGHWAY
HZ	HERTZ
I	MOMENT OF INTERTIA
IBC	INTERNATIONAL BUILDING CODE
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
IN	INCH
INA	INSTRUMENT AIR
INSUL	INSULATION
INV	INVERT
IP	IRON PIPE
IPS	IRON PIPE SIZE
IR	INNER RADIUS
IRRIG	IRRIGATION
IV	ISOLATION VALVE

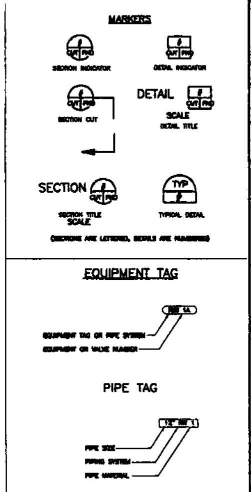
ABBREVIATION	DESCRIPTION
JB	JUNCTION BOX
JCT	JUNCTION
JS	JUNCTION STRUCTURE
JT	JOINT
L	LENGTH
LB	POUND
LF	LINEAR FEET/FOOT
LI	LEVEL INDICATOR
LIN	LINEAR
LOC	LOCATION
LONG	LONGITUDINAL
LP	LOW POINT
LPH	LEVEL PROBE HIGH
LPHH	LEVEL PROBE HIGH HIGH
LPL	LEVEL PROBE LOW
LS	LIMIT SWITCH
LT	LEVEL TRANSMITTER
LW	LONG WAY
M	MAP OR MAPS
MAG	MARICOPA ASSOCIATION OF GOVERNMENTS
MAX	MAXIMUM
MCJ	MASONRY CONTROL JOINT
MDE	MEDIA DRAIN EFFLUENT
MEAS	MEASURED
MECH	MECHANICAL
MG	MILLION GALLON
MFR	MANUFACTURER
MID	MIDDLE
MIN	MINUTES OR MINIMUM
MISC	MISCELLANEOUS
MJ	MECHANICAL JOINT
ML	MONUMENT LINE
MM	MILLIMETER
MOV	MOTOR OPERATED VALVE
MON	MONOLITHIC OR MONUMENT
MTD	MOUNTED
MVC	MID POINT VERTICAL CURVE
MJxPE	MECHANICAL JOINT x PLAIN END
N	NORTH
NaOCl	SODIUM HYPOCHLORITE
NBS	NATIONAL BUREAU OF STANDARDS
NC	NORMALLY CLOSED
NCPI	NATIONAL CLAY PIPE INSTITUTE
NE	NORTHEAST
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NPT	NATIONAL PIPE THREAD
NSC	NATIONAL SAFETY COUNCIL
NSF	NATIONAL SANITATION FOUNDATION
NTS	NOT TO SCALE
NW	NORTHWEST
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OVERFLOW
OHE	OVERHEAD ELECTRIC POWER LINES
OLAA	ONLINE ARSENIC ANALYZER
OPNG	OPENING
OR	OUTER RADIUS
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
OZ	OUNCES
P	PRESSURE GAUGE
P&TP	POWER AND TELEPHONE POLE
PB	PULL BOX
PC	POINT OF CURVATURE
PCC	PORTLAND CEMENT CONCRETE
PCCP	PORTLAND CEMENT CONCRETE PAVEMENT
PDIT	PRESSURE DIFFERENTIAL INDICATING TRANSMITTER
PDL	PROCESS DRAIN LINE
PFS	PACKAGED FILTRATION SYSTEM
PI	POINT OF INTERSECTION
PL	PROPERTY LINE OR PLATE
PLC	PROGRAMMABLE LOGIC CONTROL
PLE	PLATE SETTLER EFFLUENT
PLI	PLATE SETTLER INFLUENT
POS	POINT OF SPIRAL
PP	POWER POLE
PPM	PARTS PER MILLION
PRC	POINT OF REVERSE CURVE
PREFAB	PREFABRICATED
PRL	PRESSURE RELIEF LINE
PROD	PRODUCED
PROP	PROPERTY
PRV	PRESSURE RELIEF VALVE
PS	PLATE SETTLER
PSF	POUNDS PER SQUARE FOOT
PSH	PRESSURE SWITCH HIGH
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAGE
PSV	PRESSURE SUSTAINING VALVE
PT	POINT OF TANGENT
PV	PLUG VALVE
PVC	POLY VINYL CHLORIDE
PVMT	PAVEMENT
PW	POTABLE WATER
PWE	PLANT WATER EFFLUENT
PWL	POTABLE WATER LINE
PWS	POTABLE WATER SUPPLY
Q	RATE OF FLOW
R	RADIUS
R/W	RIGHT-OF-WAY
RC	REINFORCED CONCRETE
RCL	RECYCLE LINE
RCP	RECYCLE PUMP
RD	ROAD
RDWY	ROADWAY
RED	REDUCER OR REDUCING
REINF	REINFORCED, REINFORCING, REINFORCEMENT
REQ'D	REQUIRED
RET WALL	RETAINING WALL
RF	ROOF

ABBREVIATION	DESCRIPTION
RM	RAPID MIXER
RME	RAPID MIX EFFLUENT
RMI	RAPID MIX INFLUENT
RMJ	RESTRAINED MECHANICAL JOINT
RO	ROOF OPENING OR ROUGH OPENING
ROL	RESERVOIR OVERFLOW LINE
ROW	RIGHT OF WAY
RPM	REVOLUTIONS PER MINUTE
RRB	ROOF REINFORCED BOTTOM
RRT	ROOF REINFORCED TOP
RT	RIGHT
RWI	RAW WATER INFLUENT
S	SOUTH OR SLOPE OR SECTION MODULUS
SA	SUPPLY AIR
SAN	SANITARY
SC	SPIRAL TO CURVE
SCCP	STEEL CYLINDER CONCRETE PIPE
SCH	SCHEDULE
SD	STORM DRAIN
SDL	SADDLE
SE	SOUTHEAST
SEC	SECONDS
SECT	SECTION
SHT	SHEET
SIM	SIMILAR
SLG	SLUDGE LINE
SMV	SLUDGE VALVE
SPEC	SPECIFICATIONS
SPL	SAMPLE LINE
SPR	SPARE LINE
SQ	SQUARE
SQ FT YD	SQUARE FOOT YARD
SS	SANITARY SEWER
SSE	SETTLED SLUDGE EFFLUENT
SSP	SETTLED SLUDGE PUMP
SST	STAINLESS STEEL
SSD	SANITARY SEWER DRAIN
ST	STREET
STA	STATION
STD	STANDARD
STL	STEEL
STR GR	STRUCTURAL GRADE
STRUCT	STRUCTURE OR STRUCTURAL
SV-#	SOLENOID VALVE AND NUMBER (#=NUMBER)
SW	SOUTHWEST
SWL	SERVICE WATER LINE
T/	TOP OF
T	TANGENT DISTANCE
T&B	TOP AND BOTTOM
TBL	TREATMENT BYPASS LINE
TBM	TEMPORARY BENCHMARK
TBOC	TOP BACK OF CURB
TEL	TELEPHONE
TEMP	TEMPERATURE OR TEMPORARY
TH	TEST HOLE
THK	THICK
THRU	THROUGH
TMH	TELEPHONE MANHOLE
TNK	TANK
TOC	TOP OF CURB
TOF	TOP OF FOOTING
TOG	TOP OF GRATING
TOP	TOP OF PAVEMENT
TOT	TOTAL
TOS	TOP OF SLAB
TOW	TOP OF WALL
TP	TELEPHONE POLE
TR	TRACT
TRANS	TRANSITION
TS	TRAFFIC SIGNAL
TWE	TREATED WATER EFFLUENT
TYP	TYPICAL
UL	UNDERWRITERS' LABORATORIES INC.
UON & UNO	UNLESS OTHERWISE NOTED
UPC	UNIFORM PLUMBING CODE
UMC	UNIFORM MECHANICAL CODE
V	VOLTS
VAC	VACUUM
VB	VALVE BOX
VC	VERTICAL CURVE
VD	VESSEL DRAIN
VEL	VELOCITY
VERT	VERTICAL
VES	VESSEL
VG	VALLEY GUTTER
W/	WITH
W/O	WITHOUT
W	WEST
WD	WIDE
WFW	WELL FLUSHOUT WASTE
WMV	WELL MANIFOLD VALVE
WPO	WELL PUMP OUT
WI	WROUGHT IRON
WS	WATER SURFACE
WT	WEIGHT
YD	YARD

SHEET CATEGORY

G – GENERAL
C – CIVIL
A – ARCHITECTURAL
S – STRUCTURAL
M – MECHANICAL PROCESS
MP – MECHANICAL PLUMBING & HVAC
E – ELECTRICAL
I – INSTRUMENTATION





PIPE MATERIAL

1 – DUCTILE IRON
2 – STEEL
3 – C-900 PVC
4 – SCHEDULE 80 PVC
5 – SCHEDULE 80 CPVC
6 – COPPER
7 – STAINLESS STEEL
8 – SCH 80 BLACK STEEL
9 – CAST IRON
10 – PVC-SEWER PIPE

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Sheet Title: ABBREVIATIONS AND SYMBOLS	Drawn By: NBG	Date: 12/08/08	
	Design By: RN	Date: 12/08/08	
	Approved By: RN	Date: 12/08/08	
Project Location: ARIZONA WATER COMPANY	Project name: BASELINE ARSENIC TREATMENT FACILITES		
Client Project No. / Project No. 0310 / Scale AS NOTED	File Name 0310-G-03	Sheet G-03	

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GENERAL SITE NOTES:

1. SOURCE OF TOPOGRAPHY SHOWN ON THE CIVIL PLANS IS BASE MAPPING PROVIDED BY KEOUGH ENGINEERING. ADDITIONAL MAPPING HAS BEEN ADDED FROM DRAWINGS PROVIDED BY AWC. EXISTING CONDITIONS MAY VARY FROM THOSE SHOWN ON THESE PLANS. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND ADJUST WORK PLAN ACCORDINGLY PRIOR TO BEGINNING CONSTRUCTION.
2. EXISTING TOPOGRAPHY, STRUCTURES, AND SITE FEATURES ARE SHOWN SCREENED AND/OR LIGHT-LINED. NEW FINISH GRADE, STRUCTURES, AND SITE FEATURES ARE SHOWN HEAVY-LINED.
3. VERTICAL DATUM: (NAVD88)
4. MAINTAIN, RELOCATE, OR REPLACE EXISTING SURVEY MONUMENTS, CONTROL POINTS, AND STAKES WHICH ARE DISTURBED OR DESTROYED. PERFORM THE WORK TO PRODUCE THE SAME LEVEL OF ACCURACY AS THE ORIGINAL MONUMENT(S) IN A TIMELY MANNER, AND AT THE CONTRACTOR'S EXPENSE.
5. COORDINATES AND DIMENSIONS SHOWN FOR ROADWAY IMPROVEMENTS ARE TO FACE OF CURB OR EDGE OF PAVEMENT.
6. ELEVATIONS GIVEN ARE TO FINISH GRADE UNLESS OTHERWISE SHOWN. SLOPE UNIFORMLY BETWEEN CONTOURS AND SPOT ELEVATIONS SHOWN.
7. UNLESS SHOWN ON THE GRADING & DRAINAGE DRAWING, ALL DISTURBED AREAS NOT RECEIVING A HARD SURFACE OR GRAVEL SURFACE SHALL BE GRADED SMOOTH AND COMPACTED AS SPECIFIED.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING EROSION CONTROL DEVICES DURING CONSTRUCTION. EROSION CONTROL DEVICES INCLUDING SILT FENCING, RUNOFF CONTAINMENT BERMS, AND STRAW BALES ARE THE MINIMUM REQUIRED.
9. CONTRACTOR SHALL TAKE ALL OTHER MEASURES TO POSITIVELY PRECLUDE EROSION MATERIALS FROM LEAVING THE SITE.

GENERAL YARD PIPING AND UTILITIES NOTES:

1. EXISTING UNDERGROUND UTILITIES OBTAINED FROM DRAWINGS PROVIDED BY AWC, UTILITIES MAPS, AND FROM FIELD SURVEY. CONTRACTOR SHALL FIELD VERIFY DEPTH AND LOCATION PRIOR TO EXCAVATION. PROTECT ALL EXISTING UTILITIES DURING CONSTRUCTION.
2. FOR PIPING FLOW STREAM IDENTIFICATION, SEE PIPING SCHEDULE.
3. EXISTING PIPING AND EQUIPMENT ARE SHOWN SCREENED AND/OR LIGHT-LINED. NEW PIPING AND EQUIPMENT ARE SHOWN HEAVY-LINED.
4. UNLESS OTHERWISE SHOWN ALL PIPING SHALL HAVE A MINIMUM OF 4' COVER.
5. ALL PIPES SHALL HAVE A CONSTANT SLOPE BETWEEN INVERT ELEVATIONS UNLESS A FITTING IS SHOWN.
6. ALL NEW WATER PIPES MUST BE PROPERLY FLUSHED, PRESSURE TESTED, CHLORINATED AND BACTERIOLOGICALLY TESTED, AS SPECIFIED.
7. MINIMUM ALLOWABLE CLEARANCE BETWEEN PIPES AT CROSSINGS SHALL BE 1'-0". CONTROLLED LOW STRENGTH MATERIAL IS REQUIRED AS SHOWN ON SHT C-06.
8. CONCRETE THRUST BLOCKS SHALL BE IN ACCORDANCE WITH MAG STANDARDS.

YARD PIPING LEGEND

- 8" RW 1 — PIPING - SEE PIPE TAG DESCRIPTION ON SHT G-03
- HIDDEN PIPING THROUGH WALLS AND UNDER SLABS
- PIPING ≥ 24" DIAMETER WHEN DRAWING SCALE IS 1" = 20'; 12" DIAMETER WHEN DRAWING SCALE IS 1" = 10'
- FLEXIBLE COUPLING
- 90° ELBOW UP
- 90° ELBOW DOWN
- CONCENTRIC REDUCER
- CAP OR PLUG
- CLEANOUT

CIVIL LEGEND

- 1SS — CONTOUR LINE
- 3:1 — EMBANKMENT AND SLOPE
- DRAINAGEWAY OR DITCH
- MANHOLE
- BRUSH/TREE LINE
- STRUCTURE, BUILDING OR FACILITY
- ASPHALT CONCRETE PAVEMENT
- GRAVEL OR ABC SURFACING
- CONCRETE PAVEMENT
- CURB
- CURB AND GUTTER
- SINGLE SWING GATE
- DOUBLE SWING GATE
- SLIDING GATE
- GUARD RAIL
- CULVERT
- ℄ — PROPERTY LINE
- CENTER LINE, BUILDING, ROAD, ETC.
- EASEMENT
- STAGING OR WORK AREA LIMITS
- RIGHT OF WAY LINE
- N 1000.00 / E 1000.00 — STRUCTURE, BUILDING OR FACILITY LOCATION POINT - COORDINATES

CIVIL LEGEND (continued)

- MB — MAIL BOX
- RIP-RAP
- TREE
- CACTUS
- SHRUB
- W — WATER METER
- WV — WATER VALVE
- IRRIG VALVE — IRRIGATION VALVE
- STORM DRAIN MANHOLE
- UTILITY POLE
- LIGHT POST
- ELECTRIC PULL BOX
- ELECTRIC GROUND ROD
- SS — SEWER LINE
- G — GAS LINE
- CATV — CABLE/TELEVISION LINE
- R/W — RIGHT OF WAY
- D — WELL PUMPOUT DRAIN LINE
- CL — CHLORINE LINE
- UGE — UNDERGROUND ELECTRICAL LINE
- OHU — OVERHEAD UTILITY LINE
- SD — STORM DRAIN LINE
- UGT — UNDERGROUND TELEPHONE LINE
- BCTV — UNDERGROUND CABLE
- CAS — CHLORINE ANALYZER SUPPLY
- CAR — CHLORINE ANALYZER RECYCLE
- CSF — CHLORINE SOLUTION FEED
- STREET LIGHT
- STREET SIGN
- FIRE HYDRANT
- CONCRETE AREA
- S — SANITARY SEWER MANHOLE
- SAFETY POST (NEW BOLLARD)
- T — TRANSFORMER
- UTILITY PEDESTAL
- GUY WIRE
- COVERED AREA
- PROPERTY CORNER, FOUND AS INDICATED
- 5144.0 — GROUND SPOT ELEVATION
- X-X-X — WIRE FENCE
- BLOCK WALL
- CHAINLINK FENCE
- W — WATER MAIN
- RAILROAD
- IRR — IRRIGATION LINE
- NG — NATURAL GROUND
- TB — TOP OF BANK
- FL — FLOW LINE
- BC — BACK OF CURB
- BW — BACK OF WALK
- EP — EDGE OF PAVEMENT
- P — PAVEMENT
- EDR — EDGE DIRT ROAD SPOT ELEVATION
- GROUND SPOT ELEVATION

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PHONE: (602) 629-0309

Sheet Title: CIVIL LEGEND, ABBREVIATIONS AND SYMBOLS	Drawn By: KWB		Date: 12/08/08
	Design By: RN		Date: 12/08/08
	Approved By: RN		Date: 12/08/08
Project Location: ARIZONA WATER COMPANY	Project name: BASELINE ARSENIC TREATMENT FACILITES		
Client Project No.	Project No. 0310	Scale AS NOTED	File Name 0310-C01	Sheet C-01

Blue Stakes, Inc. Arizona's one-call center 1-800-782-5348 Blue Stakes, Inc.

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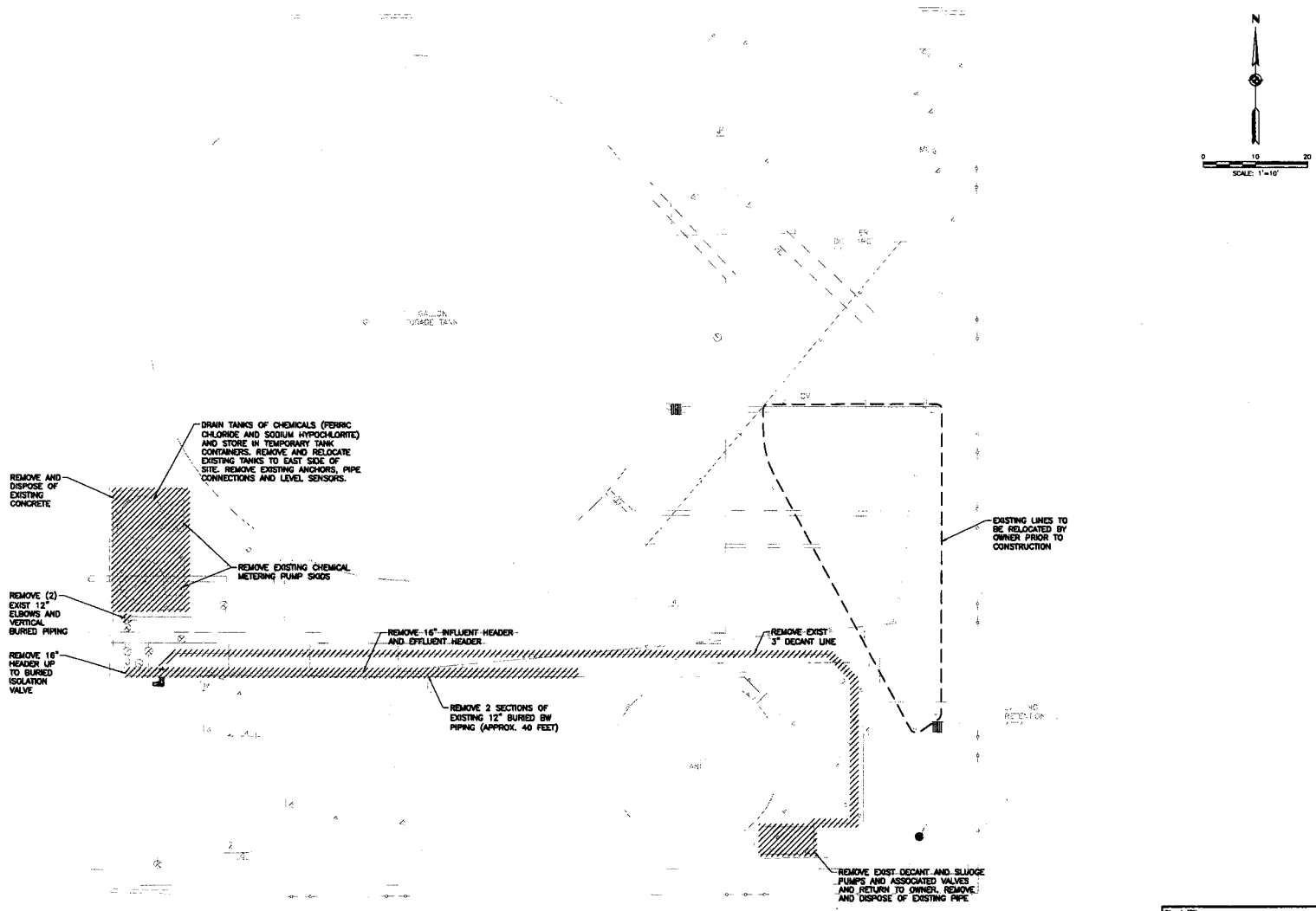

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3900 N. 3RD STREET
PHOENIX, AZ 85012
PHONE: (602) 622-0508

Sheet Title: DEMOLITION SITE PLAN	Drawn By: KWB	Date: 12/08/08	
	Design By: RN	Date: 12/08/08	
	Approved By: RN	Date: 12/08/08	
Project Location: ARIZONA WATER COMPANY	Project name: BASELINE ARSENIC TREATMENT FACILITES		
Client Project No. / Project No. 0310 / Scale AS NOTED	File Name 0310-C02	Sheet C-02	

Call 602-263-1100 or 1-800-782-5348 Blue Stake, Inc.

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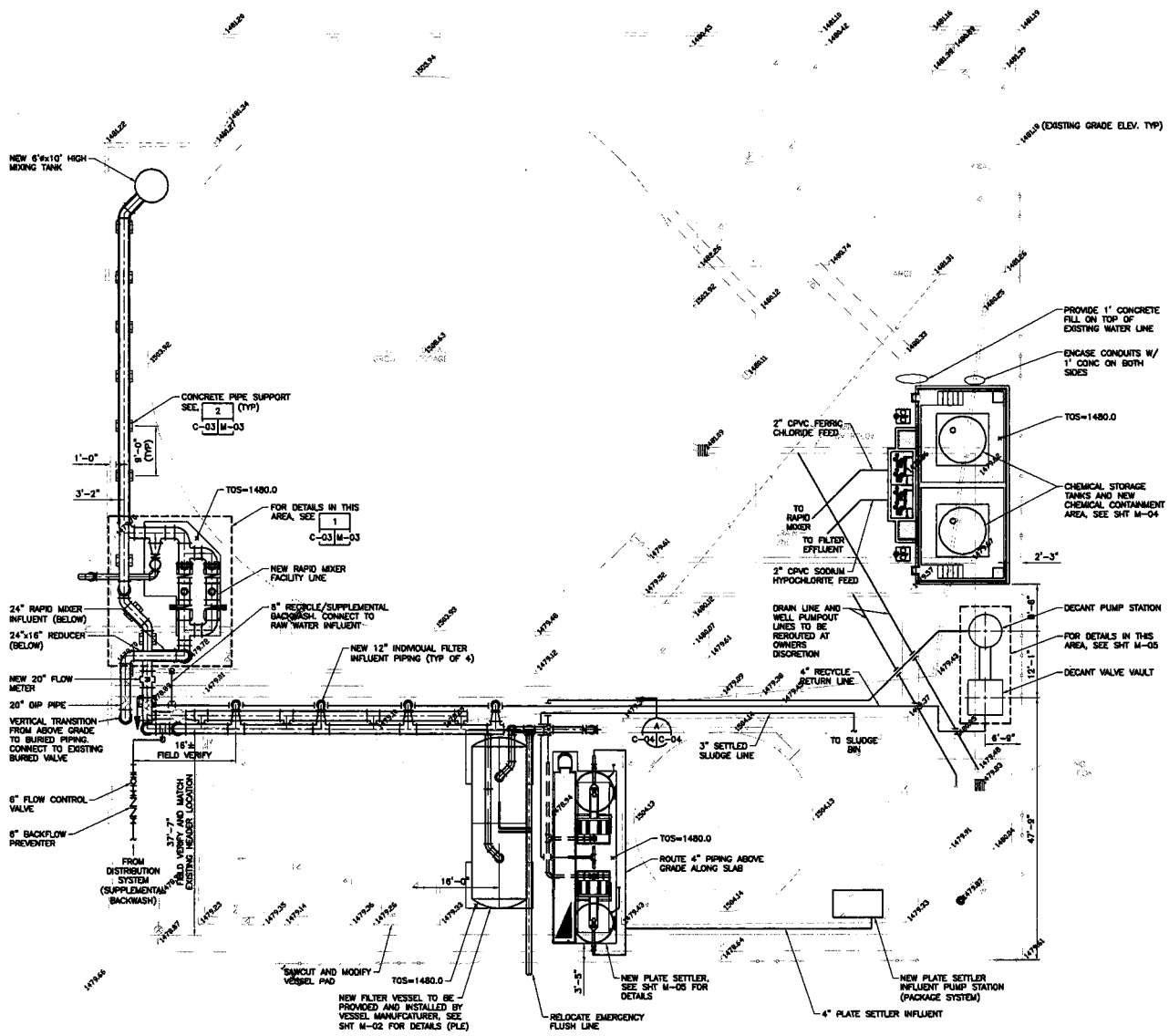

NOTE:
1. INSTALL 2 20,000 GAL TEMP TANKS CONTAIN BACKWASH DISCHARGE SOLIDS TO WASTE DECANT TO WASH.

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3660 N. 3RD STREET PHOENIX, AZ 85012 PHONE: (602) 530-0208

Sheet Title: NEW FACILITIES AND YARD PIPING PLAN	Drawn By: KWB	Date: 12/08/08	
	Design By: RN	Date: 12/08/08	
	Approved By: RN	Date: 12/08/08	
Project Location: ARIZONA WATER COMPANY	Project name: BASELINE ARSENIC TREATMENT FACILITES		
Client Project No. / Project No. 0310 / Scale AS NOTED	File Name 0310-C03	Sheet C-03	

Blue Stake, Inc. Arizona's one-call center. CALL FOR THE BLUE STAKES 1-800-782-5348 Blue Stake Number

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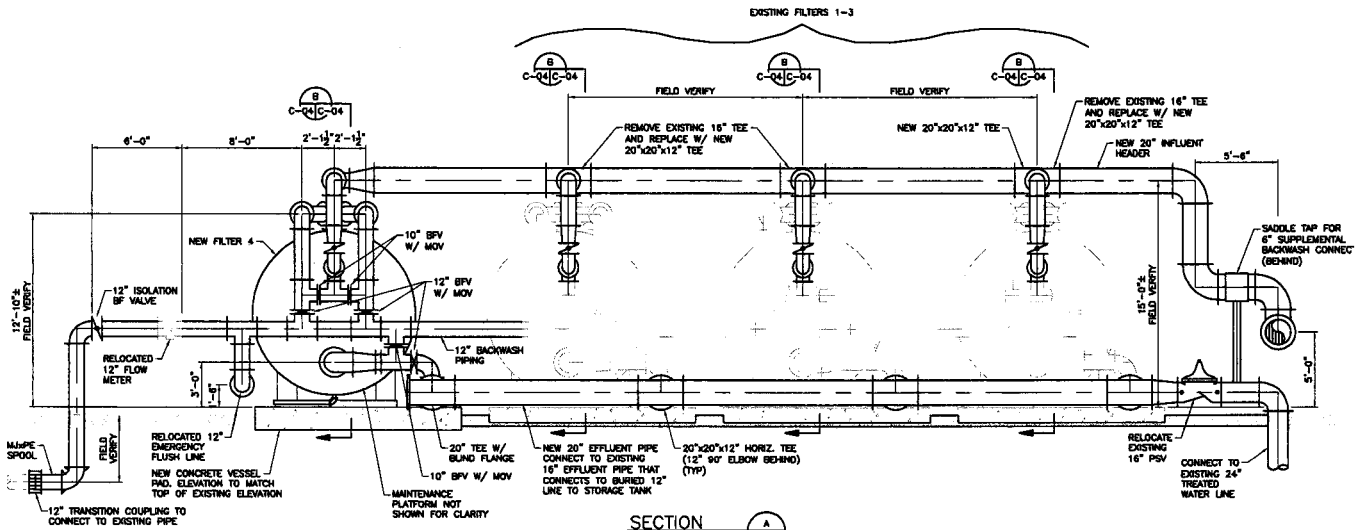
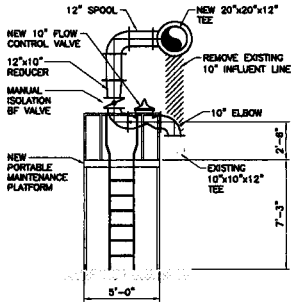


SECTION A C-03 C-04
SCALE: 1/4"=1'-0"

NOTE:
1. ALL NEW PIPING SHALL BE CLASS 150 DIP



SECTION B C-03 C-04
SCALE: 1/4"=1'-0"

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Marathon Consulting Services, Inc.
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PHOENIX, AZ 85012
PHONE: (602) 629-0205

Sheet Title: FILTER VESSEL MODIFICATION	Drawn By: KWB		Date: 12/08/08
	Design By: RN		Date: 12/08/08
	Approved By: RN		Date: 12/08/08
Project Location: ARIZONA WATER COMPANY	Project name: BASELINE ARSENIC TREATMENT FACILITES		
Client Project No. / Project No. 0310	Scale: AS NOTED	File Name: 0310-C04	Sheet: C-04

CALL FOR THE BLUE STAKES 1-800-782-5348

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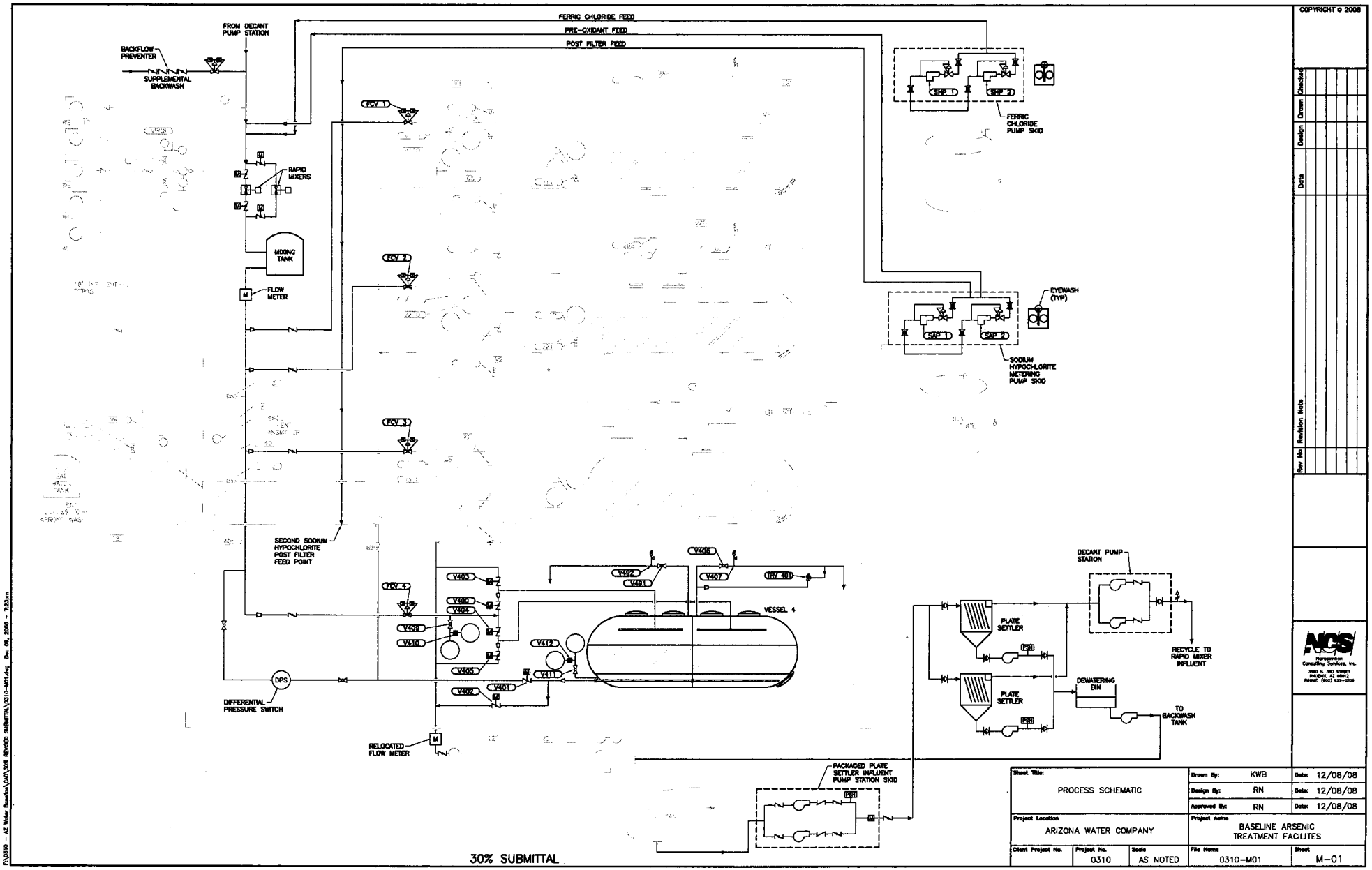

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NCS
Nanosphere Consulting Services, Inc.
3640 N. 3RD STREET
PHOENIX, AZ 85012
PHONE: (602) 625-0206

Sheet Title: PROCESS SCHEMATIC	Drawn By: KWB	Date: 12/08/08	
	Design By: RN	Date: 12/08/08	
	Approved By: RN	Date: 12/08/08	
Project Location: ARIZONA WATER COMPANY	Project name: BASELINE ARSENIC TREATMENT FACILITES		
Client Project No. / Project No. 0310 / Scale AS NOTED	File Name 0310-M01	Sheet M-01	

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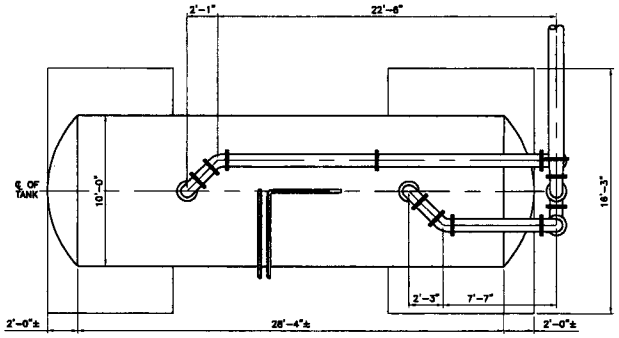
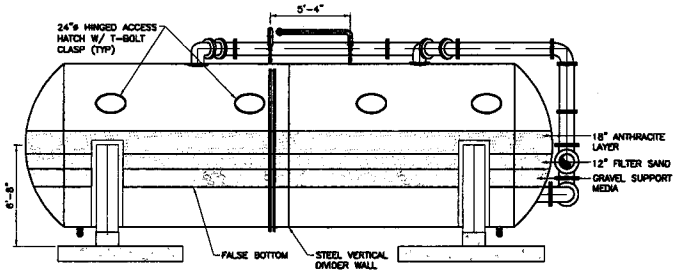


PLAN



SIDE ELEVATION

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NCS
Nersesimian Consulting Services, Inc.
3865 N. 3RD STREET
PHOENIX, AZ 85012
PHONE: (602) 639-0208

Sheet Title: FILTER VESSEL SECTIONS AND DETAILS	Drawn By: KWB		Date: 12/08/08
	Design By: RN		Date: 12/08/08
	Approved By: RN		Date: 12/08/08
Project Location: ARIZONA WATER COMPANY	Project name: BASELINE ARSENIC TREATMENT FACILITES		
Client Project No. / Project No. 0310	Scale: AS NOTED	File Name: 0310-M02	Sheet: M-02

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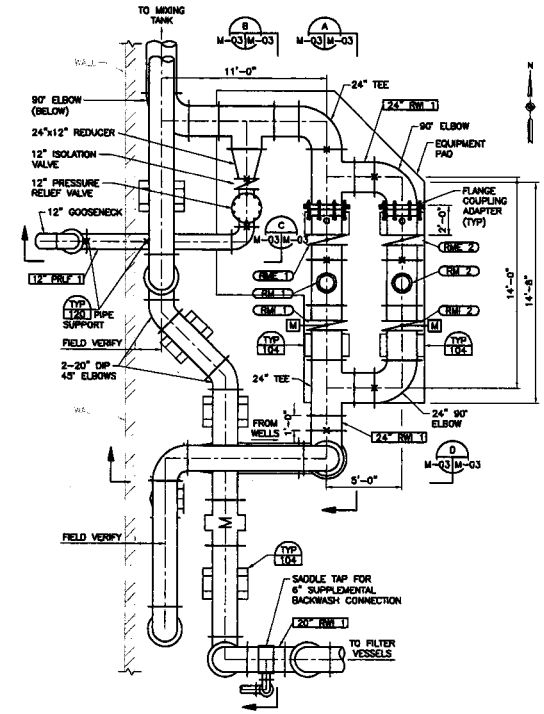
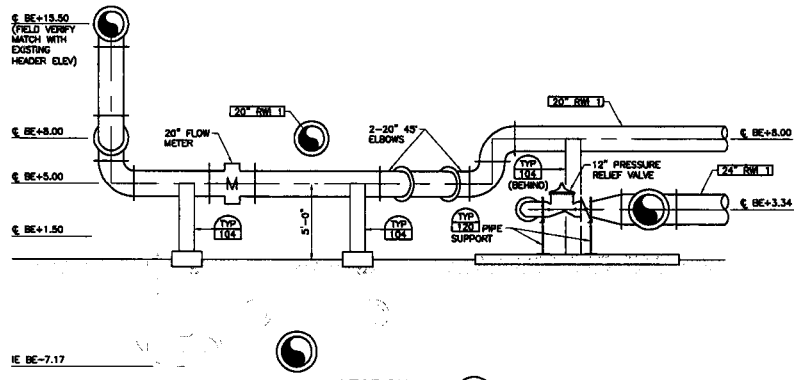


MIXING TANK AND RAPID MIXER DETAIL (1 / C-03 M-03)
SCALE: 1/4"=1'-0"

NOTE:
1. SEE YARD PIPING PLAN FOR PIPING CONTINUATION.



SECTION (B / M-03 M-03)
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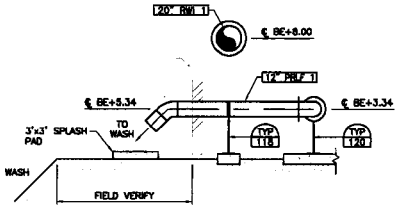

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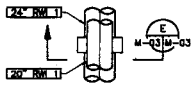

CONCRETE PIPE SUPPORT DETAIL (2 / C-03 M-03)
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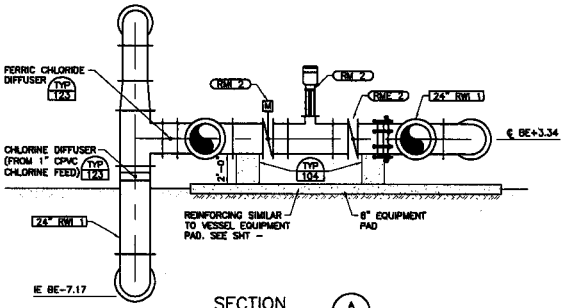
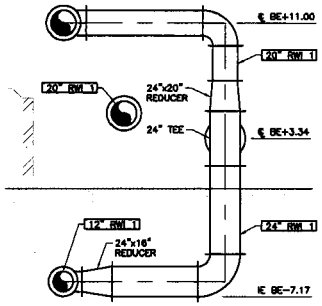
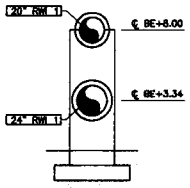


SECTION (A / M-03 M-03)
SCALE: 1/4"=1'-0"



SECTION (D / M-03 M-03)
SCALE: 1/4"=1'-0"



SECTION (E / M-03 M-03)
SCALE: 1/4"=1'-0"

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Sheet Title: RAPID MIXER	Drawn By: KWB	Date: 12/08/08	
	Design By: RN	Date: 12/08/08	
	Approved By: RN	Date: 12/08/08	
Project Location: ARIZONA WATER COMPANY	Project name: BASELINE ARSENIC TREATMENT FACILITES		
Client Project No. / Project No. 0310	Scale: AS NOTED	File Name: 0310-M03	Sheet: M-03

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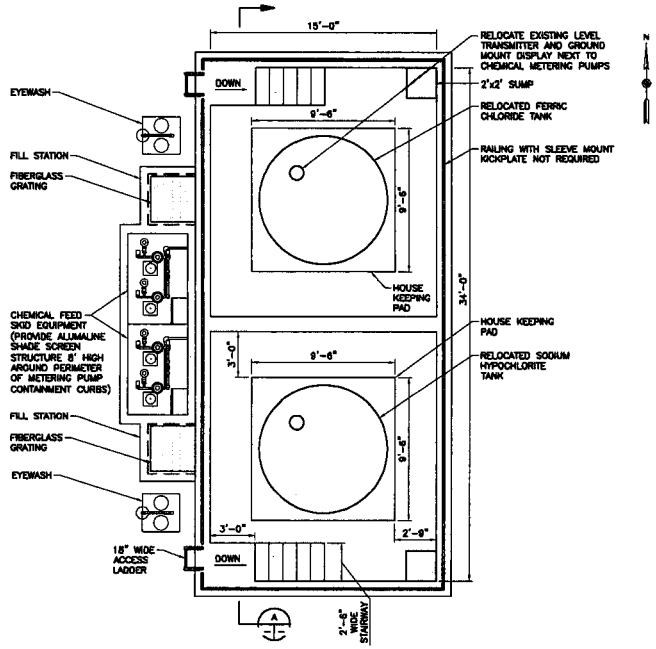

CHEMICAL STORAGE TANK PLAN

SCALE: 1/4"=1'-0"

NOTE:

1. PROVIDE JESSCO SKID W/ GRUNDFOSS ROTARY PUMPS. USE FOUR 20 MA SPEED CONTROL ON PUMPS.

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3003 N. 3RD STREET
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PHONE: (602) 528-0205

Sheet Title: CHEMICAL STORAGE TANK PLAN	Drawn By: KWB	Date: 12/08/08	
	Design By: RN	Date: 12/08/08	
	Approved By: RN	Date: 12/08/08	
Project Location: ARIZONA WATER COMPANY	Project name: BASELINE ARSENIC TREATMENT FACILITES		
Client Project No. / Project No. 0310 / Scale AS NOTED	File Name 0310-M04	Sheet M-04	

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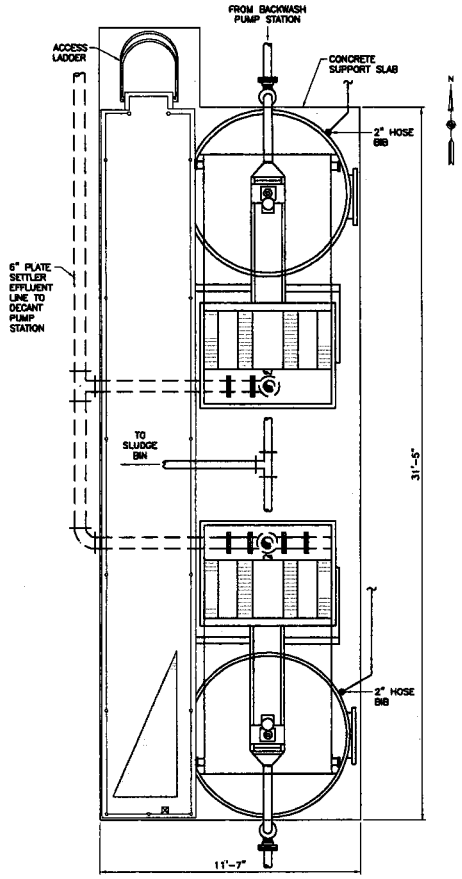
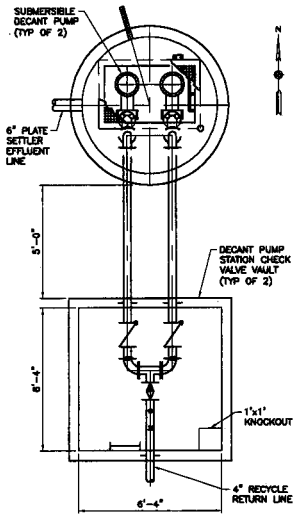


PLATE SETTLER
SCALE: 3/8"=1'-0"



DECANT PUMP STATION
AND VALVE VAULT PLAN
SCALE: 3/8"=1'-0"

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NCS
Nordstrom Consulting Services, Inc.
3550 N. 3RD STREET
PHOENIX, AZ 85012
PHONE: (602) 528-0205

Sheet Title: PLATE SETTLER AND DECANT PUMP STATION	Drawn By: KWB		Date: 12/08/08
	Design By: RN		Date: 12/08/08
	Approved By: RN		Date: 12/08/08
Project Location: ARIZONA WATER COMPANY	Project name: BASELINE ARSENIC TREATMENT FACILITES		
Client Project No. / Project No. 0310	Scale: AS NOTED	File Name: 0310-M05	Sheet: M-05

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FKS-6

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/2011

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
MRL	FKS	APACHE JUNCTION	APACHE JUNCTION

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
NE1/4 SEC.26 T.1N. R.7E	N/A	N/A

PROJECT DESCRIPTION:

EXPANSION OF THE EXISTING BASELINE ARSENIC REMOVAL FACILITY FROM 6.5 MGD TO 8.6 MGD

MATERIALS AND LABOR

QUANTITY	UNIT	DESCRIPTION	ESTIMATED ITEM COST
		CIVIL	$ 60,000
		CONCRETE	80,000
		PIPING	90,000
		EQUIPMENT	275,000
		MECHANICAL	190,000
		PAINTING/COATING	35,000
		ELECTRICAL EQUIPMENT	200,000
		FILTRATION	175,000
		TAXES AND INSURANCE	100,000
		15% CONTINGENCY	180,750

(1) **SUBTOTAL - MATERIALS AND LABOR**	1,385,750
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	20,786
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	90,000
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 1,496,536**
(5) OVERHEAD - 15% OF LINE (4)	224,480
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	125,000
SUBTOTAL - LINES (4), (5) AND (6)	**$ 1,846,017**
ESTIMATED COST OF CONSTRUCTION	**$ 1,846,017**

AFH

FKS-7

Superstition Division CAP WTP Conceptual Capital Cost Estimate - Phase 1

DESCRIPTION	ESTIMATED COST
REAL PROPERTY ACQUISITION	
Real Property - 8 Acres [1]	$200,000
Survey	$10,000
Geotechnical Evaluation	$20,000
Real Property Acquisition Direct Cost	**$230,000**
OFFSITE DEVELOPMENT and FACILITIES	
Road Improvements	$100,000
Electric Service	$75,000
Communications	$50,000
Landscaping	$50,000
Offsite Development & Facilities Direct Cost	**$275,000**
ONSITE DEVELOPMENT and FACILITIES [2]	
Grading, Drainage and Gravel Roads	$400,000
Yard Piping 24", 16" and 6" DI	$200,000
Site Fence - 8' Tall Block Wall and Auto Roll Open Gates	$400,000
Parking and Site Lighting	$150,000
Onsite Development & Facilities Direct Cost	**$1,150,000**
WATER TREATMENT PLANT FACILITIES [2]	
Raw Water Intake and Pump Station - 2,000 GPM	$225,000
Self Cleaning Strainer and Rapid Mixer	$100,000
$KMnO_4$ and PAC Chemical Skid	$100,000
Zeeweed UF Membrane Filtration System - 3 MGD	$1,750,000
NaOCl and Citric Acid Chemical Skid	$75,000
$NaHSO_3$ and NaOH Chemical Skid	$75,000
UV Disinfection Skid	$125,000
NaOCl Disinfection Skid	$25,000
Finished Water Storage Tank - 750,000 Gallon	$560,000
Finished Water Pump Station - 2,000 GPM	$150,000
Surge Tank - 6,000 Gallon	$40,000
Backwash Water Transfer Pump - 100 GPM	$35,000
Backwash Water Settling Tank - 500,000 Gallon	$375,000
Recycle Water Pump Station - 400 GPM	$65,000
Electrical Equipment - SES, Pump Station Starter Panels, SCADA and General 120/240V Electrical Chemical Skids and Support Facilities	$900,000
Water Treatment Plant Facilities Direct Cost	**$4,600,000**
SUPPORT FACILITIES	
Membrane Filtration System Building - 75'X100' Pre-Fab Metal Building	$350,000
Administration\Lab\Maintenance Building	$250,000
Support Facilities Direct Cost	**$600,000**
SUB-TOTAL DIRECT COST	**$6,855,000**
Construction Contingency - 20% of Direct Cost	$1,371,000
Design - 8% of Direct Costs	$548,400
TOTAL PROJECT CAPITAL COST	**$8,774,400**

Notes:

[1] Estimated real property cost is based on recent State Land sale/available for purchase in 2011 dollars.

[2] Estimated on-site and WTP facilities cost are based on vendor supplied cost estimates or Arizona Water Company's experience with pipeline, storage tank, booster station and ground water treatment plant projects.

FKS-8

Superstition Division
CAP Water Treatment Plant
Siting Study

July 2011

Registered Professional Engineer (Civil)
CERTIFICATE NO.
29338
FREDRICK K.
SCHNEIDER
Date Signed 7-15-11
ARIZONA, U.S.A.

Exp 9-30-13

INDEX

1.0 INTRODUCTION 3
2.0 SITING STUDY 3
2.1 SITE 1 EVALUATION 3
2.2 SITE 2 EVALUATION 4
2.3 OTHER SITE EVALUATIONS 5
3.0 LAND COST 5

ATTACHMENTS

CAP WTP SITING STUDY MAP ..... Figure 1
CAP WTP CONCEPTUAL DESIGN – SITE PLAN ..... Figure 2

Registered Professional Engineer (Civil)
CERTIFICATE NO.
29338
FREDRICK K.
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Exp 9-30-13

1.0 INTRODUCTION

Arizona Water Company (the "Company") is in the conceptual planning and design phase of a new surface water treatment plant ("WTP") which will treat Central Arizona Project ("CAP") surface water in the Company's Superstition Division. The Company currently holds a CAP water subcontract for 6,000 acre-feet per year and in 2011 the Town of Superior's CAP subcontract for 285 acre-feet per year will be transferred to the Company. The Company currently uses 2,751 acre-feet per year of the CAP water subcontract leaving 3,534 acre-feet per year available for treatment and use within the Company's water distribution system. The new WTP will treat CAP water and will be used with other potable water supplies to meet current and future demands. The new WTP will provide renewable supplies to the Company's Superstition Division and will bring the Company's remaining CAP supplies into full use. The WTP construction will initially be phased to provide a surface water treatment capacity of approximately 3 million gallons per day ("mgd") expandable in a future phase to use all of the Company's 6,285 acre-feet per year CAP subcontract representing nearly 6 mgd of WTP capacity.

2.0 SITING STUDY

The Company performed a siting study to identify potential locations for the proposed WTP, the results of which are included in this report. The study focused on properties that are located on the East side of the CAP canal in order to avoid the expense of installing pipe sleeves under the CAP canal. Also, the locations were chosen to avoid areas of known earth fissures identified in the Arizona Geological Survey Earth Fissure Map of the Apache Junction Study Area.

Eleven potential locations for the proposed WTP were evaluated. The eleven locations are identified as Parcels "A" through "K" on Figure 1 attached. After considering site improvement costs and other advantages and disadvantages for each of the eleven sites, Parcel "C" was selected as the preferred site ("Site 1") and Parcel "B" was selected as the alternate site ("Site 2"). Site 1 was selected as the preferred site based on the lowest costs of construction and the associated advantages for constructing and operating the WTP.

2.1 SITE 1 EVALUATION

The primary advantages of locating the WTP at Site 1 are as follows:

- The site is adjacent to the CAP canal which minimizes or eliminates the need for an offsite raw water pump station and raw water transmission main.

- The site is adjacent to the Company's existing 36-inch water transmission main which eliminates the need for an offsite finished water transmission main.

- The site is adjacent to existing Salt River Project ("SRP") electrical distribution system facilities which would eliminate any cost for extending electric service to the property.

- The site is adjacent to existing Superstition Mountain Community Facilities District sewer lines which would provide wastewater service for on-site facilities.

- The site will require minimal offsite roadway improvements due to its proximity to existing improved roadways.

- The site is in close proximity to the Company's water distribution system, where construction water will be available for use during construction of the WTP.

The disadvantage of locating the WTP at Site 1 is as follows:

- A pipeline easement or right of way lease will need to be acquired, either along the CAP canal right-of-way or across State Land, and approximately 15,000 LF of 6-inch pipe will need to be installed and tied into the existing 16-inch untreated CAP water irrigation line that serves five golf courses in the Gold Canyon area in order to utilize the recycle water generated at the WTP.

2.2 SITE 2 EVALUATION

The primary advantages of locating the WTP at Site 2 are as follows:

- This site is also adjacent to the CAP canal which minimizes or eliminates the need for an offsite raw water pump station and raw water transmission main.

- The site is a short distance from existing SRP electrical distribution system facilities.

- This site is also adjacent to existing Superstition Mountain Community Facilities District sewer lines which would provide wastewater service for on-site facilities.

- This site is also in close proximity to the Company's water distribution system, where construction water will be available for use during construction of the WTP.

The disadvantages of locating the WTP at Site 2 are as follows:

- The site is bounded by US HWY 60 right-of-way on the North, CAP canal right-of-way on the South and West and a residential subdivision on the East. Therefore, there are no public access right-of-ways or public utility easements to the site.

- A pipeline easement in CAP right-of-way from Baseline Road northwesterly along the CAP canal to the South boundary of the site approximately 2,500 LF in length would need to be acquired in order to install finished water and recycle water pipelines. The easement for the pipelines would need to be acquired from CAWCD.

- The site is adjacent to residential homes, therefore, additional operational and permit restrictions may be imposed. Additionally, construction costs may be increased due to

noise and lighting restrictions and aesthetic improvements. Other community concerns may also have to be addressed.

- A pipeline easement or right-of-way lease will need to be acquired, either along the CAP canal right-of-way or across State Land, and approximately 17,500 LF of 6-inch pipe will need to be installed and tied into the existing 16-inch untreated CAP water irrigation line that serves five golf courses in the Gold Canyon area in order to utilize the recycle water generated at the WTP.

- The cost to extend electrical service or pipelines under Baseline Road, a major utility corridor, will be costly.

- The site would require an extension of electrical facilities through an easement northwesterly from Baseline Road along the CAP canal to reach the South boundary line of the site at a length of approximately 2,500 LF. An easement for the extension of electrical facilities would also need to be acquired by SRP from CAWCD.

2.3 OTHER SITE EVALUATIONS

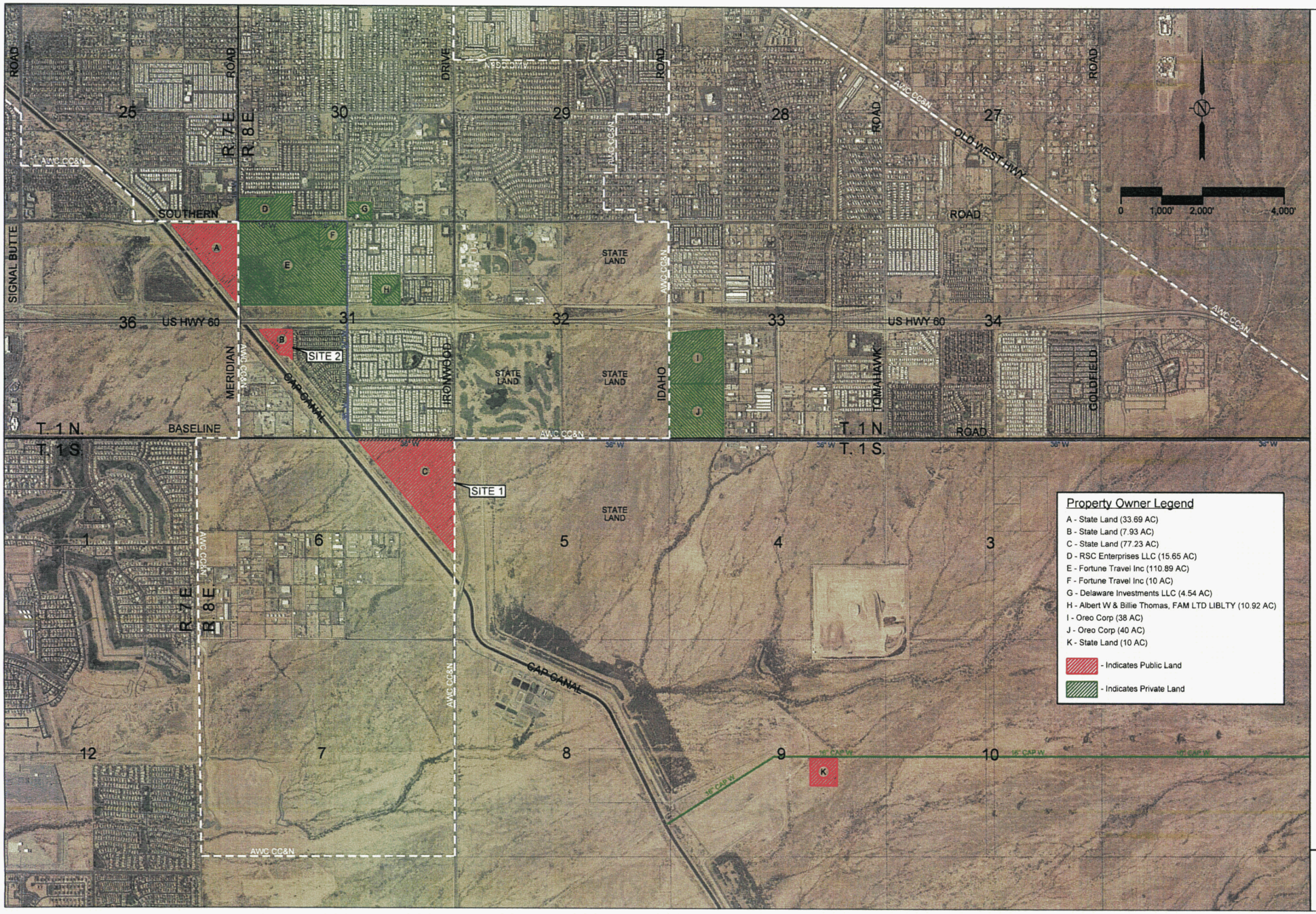
Parcel "K" was initially thought to be a viable site, however, because of its proximity to an existing flood control dike and storm water retention area that runs parallel to the CAP canal on the East side, the site was not usable.

Parcel "A" and Parcels "D" through "J" were also not considered to be viable sites because they would require significant expenditures for the construction of offsite facilities. As an example, these sites would require jacking and boring sleeves under US HWY 60 for finished water and recycle water pipelines and the construction of offsite pipelines through improved roads. Also, most of the potential sites located north of US HWY 60 would have required the installation of a longer raw water transmission main since they are located farther away from the CAP canal.

3.0 LAND COST

Figure 2 shows a conceptual design site plan of an immersed ultrafiltration ("UF") membrane system. Based on this conceptual design site plan, the UF system and ancillary structures will require a parcel of land ranging in size from 7 to 10 acres.

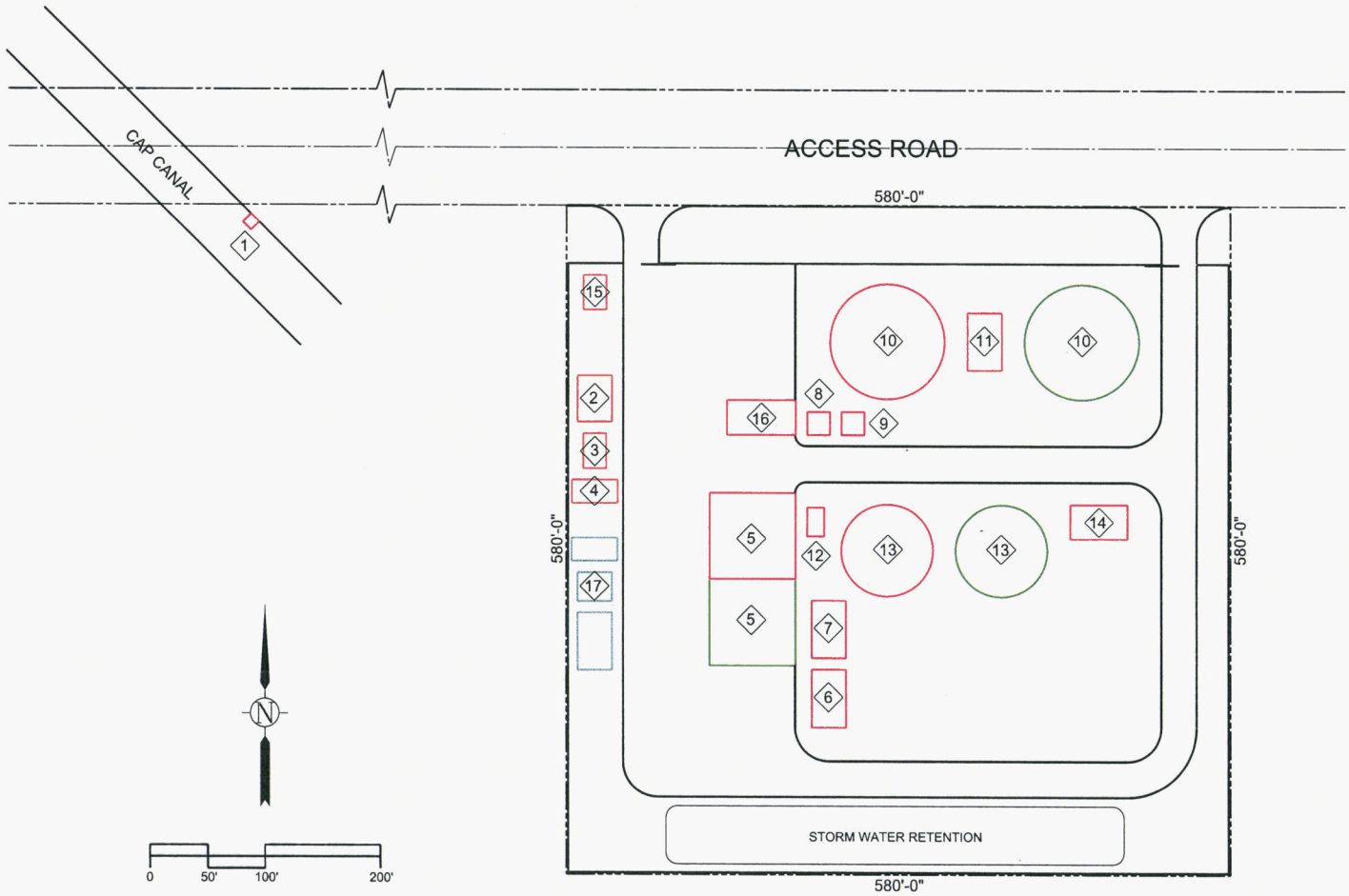
Based on a recent State Land sale of 12.5 acres for $250,000 (SEC 9-T.2S.,R.8E.) and a current State Land Available for Sale at Public Auction, appraised value of $250,000 for 12.5 acres (SEC 9-T.2S.,R.8E.), it is estimated the land costs for Site 1 or Site 2 would be $25,000 to $30,000 per acre.



ARIZONA WATER COMPANY

SUPERSTITION DIVISION CAP WTP SITING STUDY MAP

FIGURE 1



SITE PLAN

KEY NOTES

1. RAW WATER INTAKE
2. RAW WATER PUMP STATION
3. SELF CLEANING STRAINER & RAPID MIX
4. KMnO4 & PAC CHEMICAL SKID
5. MEMBRANE FILTRATION BUILDING
6. NaOCl & CITRIC ACID CHEMICAL SKID
7. NaHSO3 & NaOH CHEMICAL SKID
8. UV DISINFECTION SKID
9. NaOCl DISINFECTION SKID
10. FINISHED WATER STORAGE TANK
11. FINISHED WATER PUMP STATION
12. BACKWASH WATER TRANSFER PUMP
13. BACKWASH WATER SETTLING TANK
14. RECYCLE WATER PUMP STATION
15. ELECTRICAL EQUIPMENT
16. ADMINISTRATION/LAB/MAINTENANCE BUILDING
17. POTENTIAL COAGULATION/FLOCCULATION

LEGEND

- PHASE 1 STRUCTURE
- PHASE 2 STRUCTURE
- POTENTIAL STRUCTURE
- PROPERTY BOUNDARY

ARIZONA WATER COMPANY

SUPERSTITION DIVISION CAP WTP CONCEPTUAL DESIGN

FIGURE 2

FKS-9

Superstition Division
CAP Water Treatment Plant
Conceptual Design Report

July 2011

Registered Professional Engineer (Civil)
CERTIFICATE NO.
29338
FREDRICK K.
SCHNEIDER
Date Signed 7-15-11
ARIZONA, U.S.A.

Exp 9-30-13

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1.0 INTRODUCTION 3
2.0 SELECTED TREATMENT PROCESS 3
3.0 SITE LAYOUT 3
4.0 PROCESS FLOW DIAGRAM 4
5.0 PROCESS FLOW DESCRIPTION 4
6.0 SUPPORT FACILITIES 5

ATTACHMENTS

CAP WTP ALTERNATIVE SITE LOCATIONS ..... Figure 1
CAP WTP CONCEPTUAL DESIGN - SITE PLAN ..... Figure 2
CAP WTP CONCEPTUAL DESIGN – PROCESS FLOW DIAGRAM ..... Figure 3

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1.0 INTRODUCTION

Arizona Water Company (the "Company") is in the conceptual planning and design phase of a new surface water treatment plant ("WTP") which will treat Central Arizona Project ("CAP") surface water in the Company's Superstition Division. The Company currently holds a CAP water subcontract for 6,000 acre-feet per year and in 2011 the Town of Superior's CAP subcontract for 285 acre-feet per year will be transferred to the Company. The Company currently uses 2,751 acre-feet per year of its CAP water subcontract leaving 3,534 acre-feet per year available for treatment and use within the Company's water distribution system. The new WTP will treat CAP water and will be used with other potable water supplies to meet current and future demands. The new WTP will provide renewable supplies to the Company's Superstition Division and will bring the Company's remaining CAP supplies into full use. The WTP construction will initially be phased to provide a surface water treatment capacity of approximately 3 million gallons per day ("mgd") expandable in a future phase to use all of the Company's 6,285 acre-feet per year CAP subcontract representing nearly 6 mgd of WTP capacity.

The Company currently pumps groundwater to meet all potable water demands within the Superstition Division. Safe Drinking Water Act ("SDWA") regulations for arsenic have required the Company to install arsenic removal facilities at several locations within the Superstition Division. It is expected that most new wells in this georgraphic area will require treatment for arsenic removal.

2.0 SELECTED TREATMENT PROCESS

Based on a Phase 1 initial surface water treatment capacity of 3 mgd and a Phase 2 build-out capacity of 6 mgd, the Company selected a low-pressure ultrafiltration ("UF") membrane treatment process. This process was selected because it offers several advantages over the conventional surface water treatment process (coagulation, flocculation, sedimentation and sand/mixed media filtration) for small to medium yield treatment systems. Some of the primary advantages of UF membrane treatment over conventional treatment are: a smaller footprint which contributes to a reduced property size and construction cost; the ability to widely vary the WTP production capacity on a real time basis to adjust for increases or decreases in demand; and the ease of WTP expansion because of its modular design.

3.0 SITE LAYOUT

Based on the results of the Superstition Division CAP WTP Siting Study, a preferred site ("Site 1") and an alternate site ("Site 2") were selected as potential locations for the WTP as shown on Figure 1. Site 1 was selected as the preferred site based on the lowest cost of construction and the associated advantages for constructing and operating the WTP as summarized in the study.

A conceptual site plan for the plant is presented in Figure 2. The site plan designates the plant components that will be constructed as part of Phase 1 and Phase 2 and includes a footprint for potential future structures.

4.0 PROCESS FLOW DIAGRAM

The selected treatment train for the WTP for both Phase 1 and Phase 2 includes: oxidation for iron and manganese removal; use of a coagulant when surface water turbidity is elevated; low-pressure UF membrane filtration followed by disinfection of the finished water. A process flow diagram is shown on Figure 3.

5.0 PROCESS FLOW DESCRIPTION

Surface water from the CAP canal will be pumped to the WTP from a raw water intake structure through a raw water pipeline. Future pumps and an additional raw water pipeline will need to be installed to accommodate Phase 2 increased production capacities. Since the preferred site is adjacent to the CAP canal, the length of the raw water pipeline(s) will be relatively short (approximately 500 to 1,500 feet). Raw water pumps will be installed in parallel to provide for operational flexibility and system reliability. This design will help to ensure continuous operation of the WTP, which is especially critical to accommodate planned plant and pump maintenance.

During periods when the raw water is low in dissolved oxygen or anaerobic (approximately 1 to 2 months per year) which can cause iron and manganese to become soluble through chemical reduction, potassium permanganate ("$KMnO_4$") will be introduced into the raw water. The $KMnO_4$ will oxidize these iron and manganese compounds and form manganese dioxide ("MnO_2"), an insoluble precipitate that can be removed by UF membrane filtration. Also, in order to prevent plant shutdowns during certain high turbidity storm water events, powder activated carbon ("PAC") will be added to the raw water to remove organic materials through an adsorptive process. The $KMnO_4$ and PAC will be added to the raw water through the use of a rapid mixer to provide a high-rate of initial mixing and provide adequate contact time before reaching the UF membrane filtration units. The rapid mixer, $KMnO_4$ and PAC chemical skids will also use a parallel design to provide for continuous operation of the WTP during planned equipment maintenance or in the event of equipment malfunction.

After pretreatment (when necessary) the raw water flows to submerged UF membranes that are located within open tanks. Through the use of a permeate pump, a vacuum is applied to the membrane. The vacuum pressure (2-13 psi) pulls the treated water through tiny pores (nominal pore size 0.02 μm) in the hollow fibers of the UF membrane. The pores form a physical barrier that allows clean water to pass through while blocking unwanted material such as suspended solids, bacteria, pathogens and certain viruses. Also, the turbidity of permeate from UF membrane systems is typically less than 0.1 NTU, surpassing the minimum treatment standards set forth in the EPA Interim Enhanced Surface Water Treatment Rule (IESWTR) which requires that filtered water turbidity be less than or equal to 0.3 NTU for 95 percent of monthly samples. The UF membrane system will consist of parallel treatment trains, which will allow for continuous operation of the WTP during membrane maintenance or other planned plant maintenance.

An ultraviolet radiation ("UV") disinfection system will be installed downstream of the UF membrane to inactivate any remaining bacteria and/or viruses in the permeate. Sodium hypochlorite ("NaOCl") disinfection will be added to the finished water downstream of the UV to provide a disinfectant residual in the finished water. The UV and NaOCl chemical skids will also use parallel systems to provide for continuous operation of the WTP during equipment maintenance or in the event of equipment malfunction.

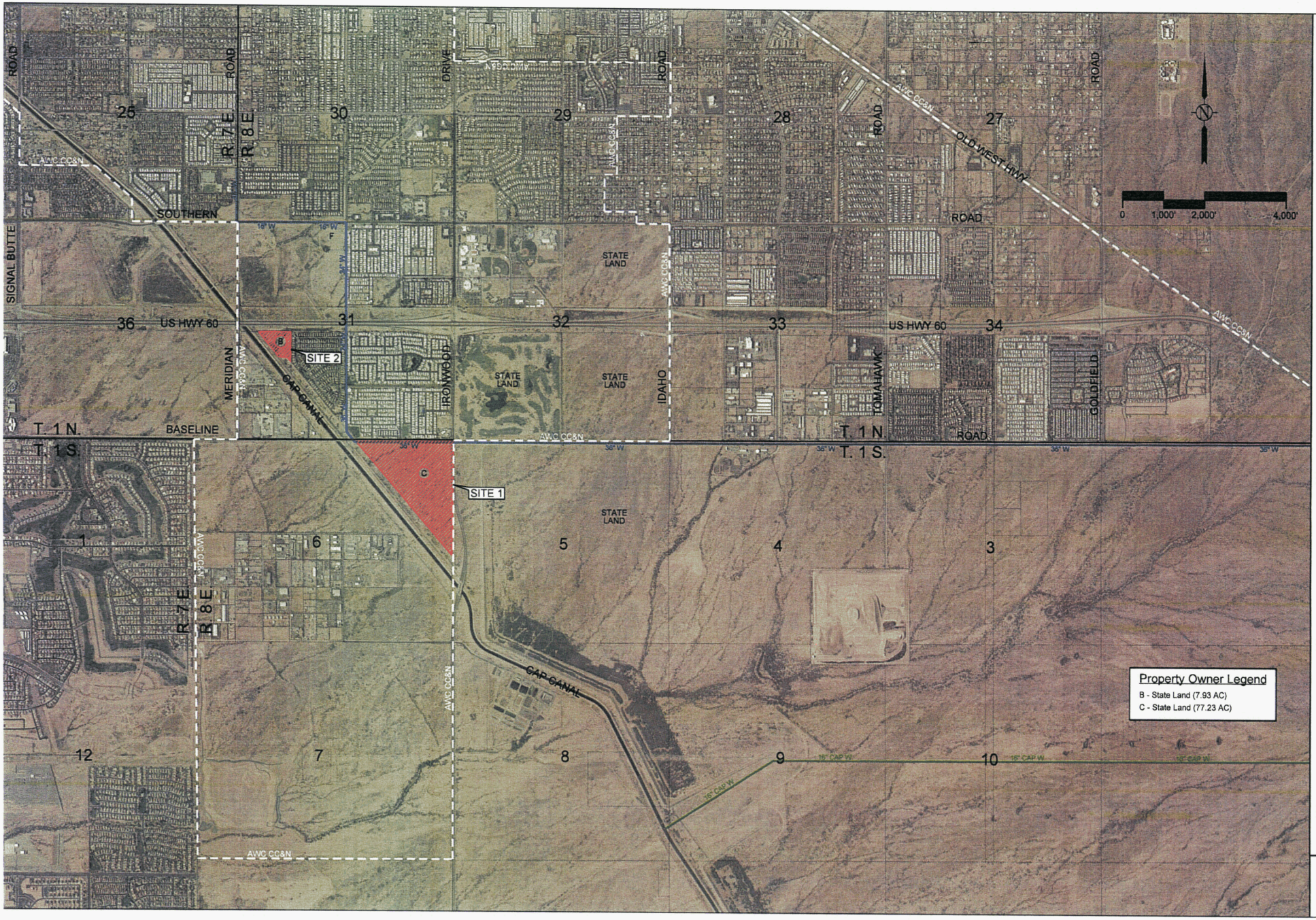
In order to ensure adequate disinfectant contact time, the finished water will flow into an adequately sized finished water storage tank. After disinfection, the finished water will be pumped into the water distribution system. Parallel operation water pumps will be installed at the water storage tank to provide for continuous operation of the WTP during equipment maintenance or in the event of equipment malfunction.

In order to maintain membrane system flux rates, after every 30 to 120 minutes of operation, the membrane is typically air scoured and backwashed with finished water for 1 to 5 minutes. After the backwash cycle is complete, the backwash water is pumped from the membrane tank to the backwash water settling tank. Backwash water for membrane systems typically represent about 5% of the total raw water flow or 150,000 gallons per day for a 3 mgd WTP. Settled water (supernatant) from the top of the tank is then recycled back to the head of the plant for treatment or recycled to an existing 16-inch untreated CAP water irrigation line that serves five golf courses in the Gold Canyon area. Settled solids from the bottom of the tank are periodically pumped to a truck and properly disposed of in a landfill. A parallel operation backwash water transfer pump will be installed in order to provide for continuous operation of the WTP during equipment maintenance or in the event of equipment malfunction.

Over time, the permeability of the membrane after backwashing is compromised by particles and dissolved constituents that become embedded into or adsorbed onto the membrane. Air scouring will not restore the membranes to full performance and at this time a chemical cleaning cycle is needed to remove the contaminants and restore the membrane's permeability. Two separate clean in place cycles are typically used to restore the membranes permeability and flux rates. Citric acid is used for one clean in place cycle and NaOCl is used for the other clean in place cycle.

6.0 SUPPORT FACILITIES

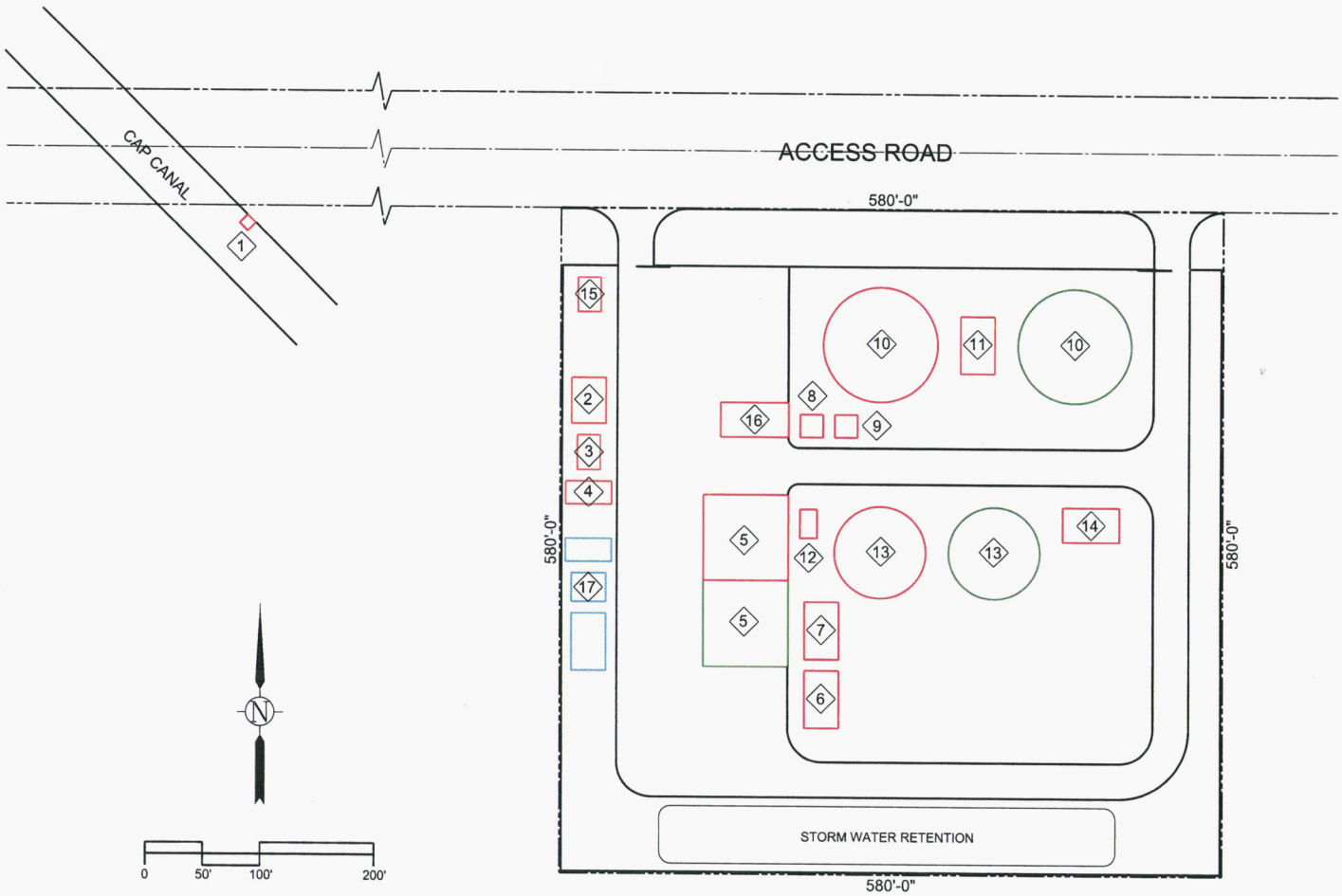
A pre-fabricated metal building will be constructed to enclose the UF membrane system to protect the system from exposure to sun and weather. An administration trailer containing communications equipment and a small lab for treatment process water quality testing will be located next to the UF membrane building. Also, in order to store spare WTP parts and perform maintenance work, a small maintenance building will be constructed next to the administration trailer.



ARIZONA WATER COMPANY

SUPERSTITION DIVISION CAP WTP ALTERNATIVE SITE LOCATIONS

FIGURE 1



SITE PLAN

KEY NOTES

1. RAW WATER INTAKE
2. RAW WATER PUMP STATION
3. SELF CLEANING STRAINER & RAPID MIX
4. KMnO4 & PAC CHEMICAL SKID
5. MEMBRANE FILTRATION BUILDING
6. NaOCl & CITRIC ACID CHEMICAL SKID
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14. RECYCLE WATER PUMP STATION
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16. ADMINISTRATION/LAB/MAINTENANCE BUILDING
17. POTENTIAL COAGULATION/FLOCCULATION

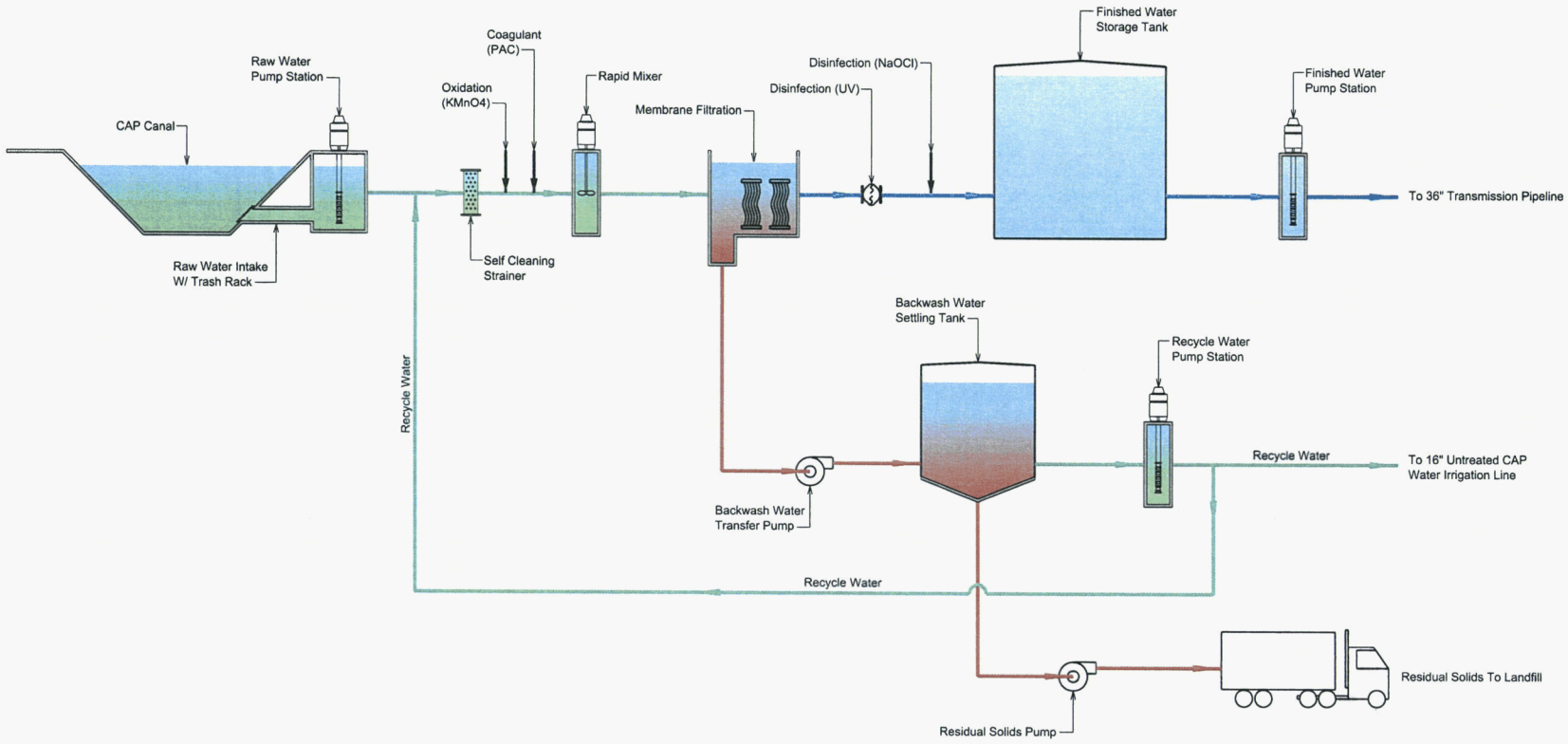
LEGEND

- PHASE 1 STRUCTURE
- PHASE 2 STRUCTURE
- POTENTIAL STRUCTURE
- PROPERTY BOUNDARY

ARIZONA WATER COMPANY

SUPERSTITION DIVISION CAP WTP CONCEPTUAL DESIGN

FIGURE 2



PROCESS FLOW DIAGRAM

ARIZONA WATER COMPANY

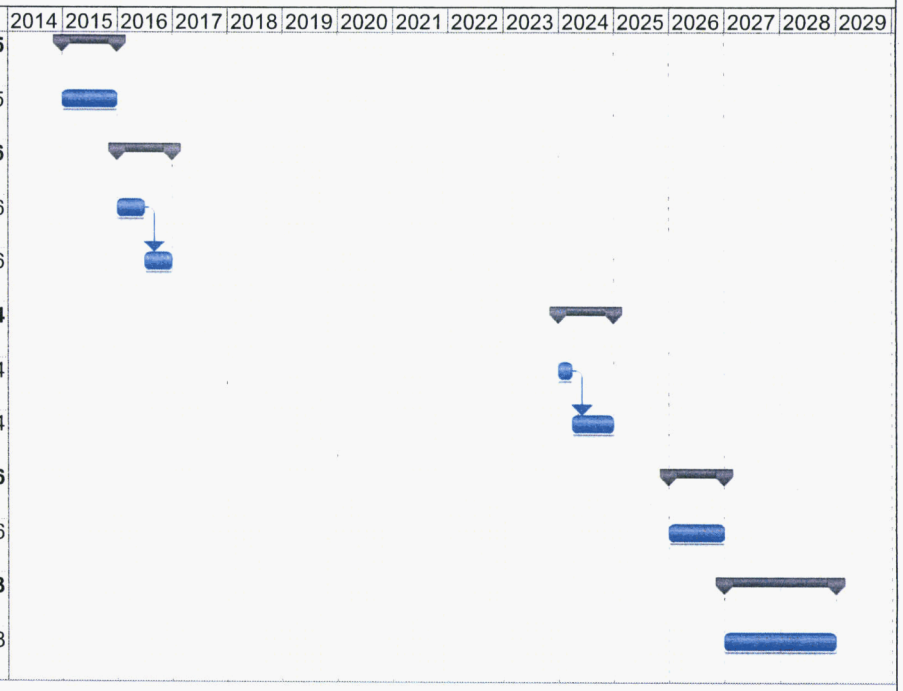
SUPERSTITION DIVISION CAP WTP CONCEPTUAL DESIGN

FIGURE 3

FKS-10

Off-site Facilities Fee - Infrastructure Phasing Plan

ID	Task Name	Start	Finish
1	**30 - 60% Design**	**Thu 1/1/15**	**Thu 12/31/15**
2	Development of 30 & 60% Design Drawings	Thu 1/1/15	Thu 12/31/15
3	**Acquire Real Property**	**Fri 1/1/16**	**Sat 12/31/16**
4	Property Appraisal, Environmental Assessment & Survey	Fri 1/1/16	Thu 6/30/16
5	Close of Property Purchase	Fri 7/1/16	Sat 12/31/16
6	**90 - 100% Design, Permitting & Approvals**	**Mon 1/1/24**	**Tue 12/31/24**
7	Development of 90 & 100% Design Drawings	Mon 1/1/24	Sun 3/31/24
8	Permitting & Approvals	Mon 4/1/24	Tue 12/31/24
9	**Off-site Facilities/On-site Improvements**	**Thu 1/1/26**	**Thu 12/31/26**
10	Utilities & Streets/Grading, Walls & Landscaping	Thu 1/1/26	Thu 12/31/26
11	**Water Treatment Plant Construction**	**Fri 1/1/27**	**Sun 12/31/28**
12	Construct 3 mgd WTP	Fri 1/1/27	Sun 12/31/28

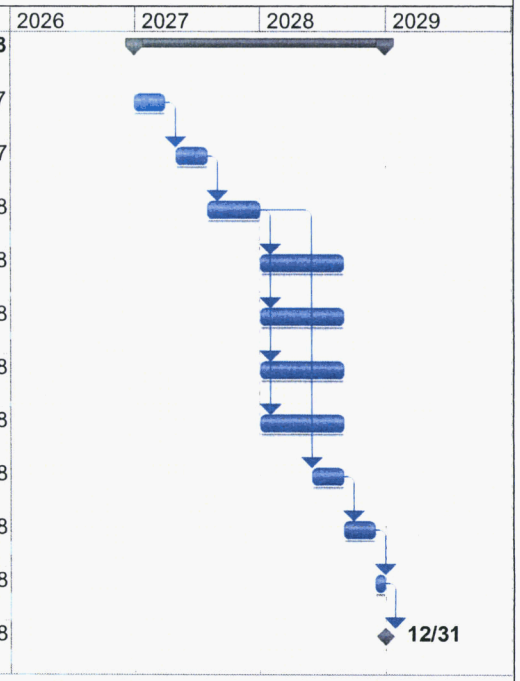


Task		Rolled Up Task		External Tasks	
Progress		Rolled Up Milestone		Project Summary	
Milestone		Rolled Up Progress		Group By Summary	
Summary		Split		Deadline	

FKS-11

CAP Surface Water Treatment Plant Construction Schedule

ID	Task Name	Start	Finish
1	**Water Treatment Plant Construction**	**Fri 1/1/27**	**Sun 12/31/28**
2	Bid Construction & Select Contractor	Fri 1/1/27	Wed 3/31/27
3	Underground Yard Piping & Utilities	Mon 5/3/27	Mon 8/2/27
4	Civil Site Work (Grading, Drainage & Gravel Roads)	Tue 8/3/27	Mon 1/3/28
5	Raw Water System (Intake, Pump Station, Strainer, Rapid Mixer & Chemical Skids)	Tue 1/4/28	Fri 9/1/28
6	UF Membrane, Membrane Building & Chemical Skids	Tue 1/4/28	Fri 9/1/28
7	Backwash Water System (Transfer Pump, Settling Tank, Recycle Water Pump Station & Solids Pump)	Tue 1/4/28	Fri 9/1/28
8	Finished Water System (Storage Tank, Pump Station, UV, & Chemical Skid)	Tue 1/4/28	Fri 9/1/28
9	Administration\Lab\Maintenance Building, Parking & Site Lighting	Thu 6/1/28	Thu 8/31/28
10	WTP Startup & Commissioning	Fri 9/1/28	Thu 11/30/28
11	Obtain Operating & Ocupancy Permits	Fri 12/1/28	Fri 12/29/28
12	3 mgd WTP Online	Sun 12/31/28	Sun 12/31/28



Task	Milestone	External Tasks	
Split	Summary	External Milestone	
Progress	Project Summary	Deadline	

FKS-12

THIRD MANAGEMENT PLAN

FOR

PHOENIX
ACTIVE MANAGEMENT AREA

2000-2010

ARIZONA DEPARTMENT OF WATER RESOURCES

In addition to these individual user requirements, the Third Management Plan contains an individual user requirement that was not included in the Second Management Plan. This additional requirement prohibits the use of groundwater to maintain a water feature installed in a publicly owned right-of-way after January 1, 2002.

Either the individual user or the municipal provider serving the individual user is responsible for complying with the individual user requirement. See section 5-112 for determining responsibility for compliance with the individual user requirements.

5.7.6.2 Distribution System Requirements

Lost and unaccounted for water is defined as the total water from any source, except direct use effluent, withdrawn, diverted, or received in a year minus the total amount of authorized deliveries made by the municipal provider in that year. Lost and unaccounted for water includes line leakage, meter under-registration, evaporation or leakage from storage ponds or tanks, system and hydrant leaks or breaks, and illegal connections.

All municipal providers are required to meet an efficient lost and unaccounted for water standard in their service areas. Lost and unaccounted for water will be determined for each municipal provider based on the total quantity of metered and unmetered water deliveries and the total water pumped, received, or diverted by the municipal provider for each calendar year, excluding direct use effluent. Small municipal providers must maintain lost and unaccounted for water at or below 15 percent. Large municipal providers are required to maintain their system not to exceed 10 percent lost and unaccounted for water. Large untreated water providers are required to either line all canals used to deliver untreated water to the provider's delivery points with a material that allows no more lost water than a well-maintained concrete lining, or operate and maintain its distribution system to limit lost and unaccounted for water at or below 10 percent.

For the third management period, the Department will allow providers to exclude water from the lost and unaccounted for water calculation that is either metered or estimated using approved estimating procedures and that is used pursuant to other regulatory requirements such as well purging and line flushing. Providers may also exclude estimated water uses such as construction (truck loads for dust control) or fire services, but all other uses of water within a distribution system must be metered. Appendix 5-M provides a complete list of uses that are considered in the lost and unaccounted for water calculation and those uses that can be estimated to determine the volume.

5.7.6.3 Monitoring and Reporting Requirements

All municipal providers are required to annually: (1) report to the Department information on the total quantity of water used within the service area and the total volume of water delivered for various municipal purposes, (2) calculate the volume of lost and unaccounted for water within the service area, and (3) report the total number of housing units, by unit type, added to the water service area from July 1 of the previous calendar year to July 1 of the reporting year.

Large municipal providers are required to separately measure and report the amount of water delivered each month for: irrigation uses; residential uses, separated by single family and multifamily; and non-residential uses, separated by water use categories, including turf-related facility use, commercial use, industrial use, government use, construction use, surface water treatment, and other uses.

All municipal providers are required to submit to the Department, on an annual basis, an updated service area and distribution system map delineating all potable and non-potable distribution lines greater than four inches, all potable treatment facilities, all well sites, and all non-potable treatment.

untreated water to a user, and that provided a copy of that agreement to the director by June 22, 1992, is a large untreated water provider upon serving untreated water to at least 500 persons pursuant to the service agreement or upon supplying 100 acre-feet of untreated water during a calendar year pursuant to the agreement.

26. *"Lost and unaccounted for water" means:*

    a. *With respect to a distribution system other than an untreated water municipal distribution system, the total quantity of water from any source, except direct use effluent, withdrawn, diverted or received by a municipal provider during a calendar year for non-irrigation use less the total quantity of authorized deliveries of water from any source, except direct use effluent, made by the municipal provider during the calendar year for non-irrigation use that are metered deliveries or deliveries that the municipal provider accounts for by a method of estimating water use approved by the director.*

    b. *With respect to an untreated water municipal distribution system, the total quantity of untreated water from any source, withdrawn, diverted or received by a large untreated water provider during a calendar year for non-irrigation use less the total quantity of authorized deliveries of untreated water from any source made by the provider during the calendar year for non-irrigation use that are metered deliveries or deliveries that the provider accounts for by a method of estimating water use approved by the director.*

27. *"Lost water" means untreated water from any source that enters an untreated water distribution system and is lost from the system during transportation or distribution due to seepage, evaporation, leaks, breaks, phreatophyte use or other similar or dissimilar causes.*

28. *"Mined groundwater" has the definition prescribed by A.R.S. § 45-561(9).*

29. *"Multifamily housing unit" means a mobile home in a mobile home park and any permanent housing unit having one or more common walls with another housing unit located in a multifamily residential structure, and includes a unit in a duplex, triplex, fourplex, condominium development, town home development, or apartment complex.*

30. *"Municipal distribution system" means a system of pipes, canals or other works within a municipal provider's service area that are owned and operated by the provider to collect, store, treat or deliver water for non-irrigation use.*

31. *"Municipal provider" means a city, town, private water company or irrigation district that supplies water for non-irrigation use.*

32. *"New individual user" means an individual user that begins receiving water from a municipal provider after adoption of the Third Management Plan.*

33. *"New large municipal provider" means a municipal provider that begins serving more than 250 acre-feet of water for non-irrigation use during a calendar year after January 1, 2000, not including untreated water served by a municipal provider that qualifies as a large untreated water provider.*

requirements by the date specified by the director, but not later than January 1 of the year following the year in which the provider's application is approved, and shall remain in compliance with those requirements until the first compliance date for any substitute requirements in the Fourth Management Plan.

5-109. *Consolidation of Municipal Provider Service Areas; Acquisition of a Portion of Another Municipal Provider's Service Area*

A. *Notification*

1. *If two or more municipal providers consolidate their service areas into one service area, the consolidated provider shall notify the Department of the consolidation within 30 days after the consolidation becomes effective.*

2. *If a municipal provider acquires a portion of another municipal provider's existing service area, both the acquiring provider and the conveying provider shall notify the Department of the acquisition within 30 days after the acquisition becomes effective.*

B. *Regulation of Consolidated Provider*

1. *Upon consolidation, a consolidated provider that qualifies as a large municipal provider shall be regulated under the Total GPCD Program described in section 5-103, unless the consolidated provider applies for and is accepted for regulation under the Non-Per Capita Conservation Program described in section 5-104 or the Alternative Conservation Program described in section 5-105.*

2. *If the consolidated provider is regulated under the Total GPCD Program, the director shall establish a total GPCD requirement for the consolidated provider consistent with the methodology used by the director to establish the consolidating providers' total GPCD requirements as set forth in Appendix 5-C.1. The director shall also establish and maintain a flexibility account for the consolidated provider in accordance with section 5-106, subsection A, with a beginning balance to be established by the director based on the ending balances in the flexibility accounts of the consolidating providers.*

3. *If the consolidated provider is accepted for regulation under the Alternative Conservation Program, the director shall establish a residential GPCD requirement for the consolidated provider consistent with the methodology used by the director to establish the consolidating providers' residential GPCD requirements as set forth in Appendix 5-K. The director shall also establish and maintain a flexibility account for the consolidated provider in accordance with section 5-106, subsection B, with a beginning balance to be established by the director based on the ending balances in the flexibility accounts of the consolidating providers.*

4. *If the consolidated provider applies for regulation under the Non-Per Capita Conservation Program or the Alternative Conservation Program and one of the consolidating providers was regulated under that program immediately prior to consolidation, the consolidated provider's application for regulation under the program shall include only the information required by section 5-104 or section 5-105 that has changed since the consolidating provider filed its application for the program.*

APPENDIX 5-M
THIRD MANAGEMENT PLAN
LOST & UNACCOUNTED FOR WATER REQUIREMENTS

Lost & Unaccounted For Water Includes:

Leaks:
- Distribution Lines
- Sewer Lines
- Storage Tanks
- Storage Ponds
- Hydrants
- Other

Breaks:
- Distribution Lines
- Sewer Lines
- Mains
- Hydrants
- Other

Measurement Errors:
- Meter Under/Over-Registration
- Source Meter Errors
- Flumes/Weirs Errors

Evaporation

Illegal Connections/Water Theft

Phreatophyte Uses

****

Water System Uses Include:

- Residential Metered Deliveries
- Non-Residential Metered Deliveries
- Standpipe Uses
- Fire Flow [1]
- Hydrant Meter Reading
- Hydrant Flow Tests [1]
- Fire Sprinkler System Flow Tests [1]
- Construction [1]
- Dust Control [1]
- Line Flushing (distribution, sewer, or treatment facility) [1]
- Street Cleaning [1]
- Storm Drain Flushing [1]
- Water Tests & Pressure Tests [1]
- Well Purging

[1] Estimates can be provided, using a method approved by the director. Documentation must be submitted with annual report.

EXHIBIT FKS-9

FKS-13

WATER LOSS REDUCTION PROGRAM FOR WATER SYSTEMS IN THE EASTERN GROUP

Water Systems Evaluated in this Program

PWSID #11-004	Apache Junction
PWSID #02-001	Bisbee
PWSID #04-002	Miami
PWSID #11-019	Oracle
PWSID #11-021	Superior

Prepared By: Arizona Water Company
3805 N. Black Canyon Highway
Phoenix, AZ 85015

Date: August 1, 2011

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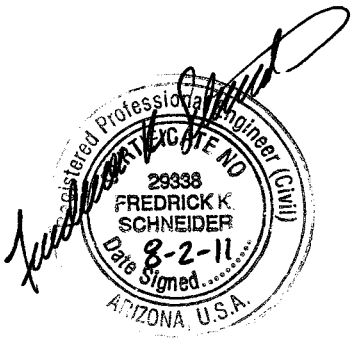

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1.0 EXECUTIVE SUMMARY

This Water Loss Reduction Program report was prepared by Arizona Water Company (the "Company") for specific water systems located within the Company's Eastern Group. The Eastern Group encompasses approximately 266 square miles and is comprised of the Apache Junction, Bisbee, Miami, Oracle, San Manuel, Sierra Vista, Superior, and Winkelman water systems. Specifically, this Water Loss Reduction Program evaluates the Apache Junction, Bisbee, Miami, Oracle and Superior water systems. Water losses in the Company's Bisbee, Miami, and Oracle water systems exceed ten percent. In addition, water losses in the Company's Apache Junction and Superior water systems are nearing ten percent. In Decision No. 71845, dated August 25, 2010, the Arizona Corporation Commission (the "Commission") ordered the Company to reduce water losses in all of its water systems to less than ten percent by July 1, 2011. The Commission also ordered the Company to evaluate the water systems that have not achieved a water loss rate of less than ten percent by July 1, 2011, and prepare a report demonstrating how the Company plans to reduce water losses to less than ten percent, or why it is not cost effective to do so. That report will be filed with the Commission by December 31, 2011.

The Company made a substantial effort and expended significant resources to reduce water losses through water system monitoring, leak detection, and by repairing and replacing of water mains and service lines. This report shows that water main and service line leaks and breaks are increasing in frequency. The Company's engineers analyzed each Eastern Group water system to assess the condition of water mains and service lines and determined that the oldest of these water mains and service lines need to be replaced. Subsequently, the Company's engineers determined that the primary causes of water losses are aging water mains and service lines.

There are over 600 miles of water mains currently in service within the Eastern Group water systems. Different types of materials have been used for water mains, with steel ("ST") pipe first used in the 1900s, galvanized steel ("GS") pipe first used in the 1910s, cast iron ("CI") pipe first used in the 1920s, cement asbestos ("CA") pipe first used in the 1930s and ductile iron ("DI") pipe first used in 1986. DI pipe water mains have been used exclusively in the Eastern Group water systems for new installations since 1986. Other less common types of water mains have also been used, but account for only a small portion of the water mains currently in use within the Eastern Group water systems.

The Eastern Group water systems have over 33,000 active water service connections. Different types of materials have been used for service lines including copper ("CU"), galvanized steel ("GS"), polybutylene ("PB"), polyethylene ("PE"), and polyvinyl chloride ("PVC").

Water mains and service lines must be properly managed, monitored, and maintained to minimize water losses. The Company's well-trained employees, using state-of-the-art leak detection equipment, identified the sources of such water losses and repaired or replaced leaky water mains and service lines. However, the effects of aging and failing water mains and water service lines are causing water losses beyond the Company's ability to control it through repair and maintenance efforts alone. That point has been reached in several of the Company's Eastern

Group water systems and, as a result, the rate at which infrastructure must be replaced is accelerating.

The Company's engineers conclude that a more aggressive distribution system replacement program is needed to make significant progress to reduce water losses, and now estimate that a minimum of $3.1 million of replacement water mains and service lines should be installed annually to replace aging and failing water mains and service lines for water systems in the Eastern Group. The Company developed distribution system replacement projects to reduce water losses and help to comply with the Commission's order in Decision No. 71845. The Company's engineers also prepared detailed cost estimates, for the first phase of replacements of the aging and failing water mains and service lines in the Eastern Group water systems, currently estimated at approximately $67 million. The detailed cost estimates included water mains and service lines identified for replacement during the 2011-2020 time period and are provided in Appendix 9.5. However, because of the sheer magnitude of this additional level of capital expenditures, the Company is seeking the Commission's authority to establish a Distribution System Improvement Charge ("DSIC") as part of its applications for new rates filed with the Commission.

In compliance with the Commission's order to reduce water losses in all of its systems to less than ten percent by July 1, 2011, within a month of the effective date of Decision No. 71845, the Company started the design and construction of several distribution system replacement projects in the Eastern Group water systems. These projects included the replacement of 3,350 LF of 6-inch water main, 8,600 LF of 8-inch water main, and 82 service lines at a total estimated cost of $1.1 million. As with the initial construction of arsenic treatment plants which received approval of an Arsenic Cost Recovery Mechanism ("ACRM") surcharge, without approval of a DSIC, the Company cannot begin to fund the needed distribution system replacement program at the levels identified above. The Company engineers determined that these replacements are critical to the Company's compliance with the Commission's directive in Decision No. 71845.

2.0 INTRODUCTION

2.1. Purpose

The purposes of this report are to evaluate the Company's Eastern Group water systems where water losses exceed, or are likely to exceed ten percent of water produced, evaluate the extent and impact of aging and failing infrastructure on water losses, and support the Company's proposal to establish a DSIC. This report presents the Company's plans to comply with the Commission's order in Decision No. 71845 by reducing water losses in such water systems to less than ten percent, where feasible, and describes the Company's aging and failing infrastructure replacement needs. An overview is provided for water systems in the Eastern Group that are the subject of this report including detailed information about the background of each water system, CCN areas, and respective sources of supply (including a water system characterization and assessment). A detailed analysis is provided, which shows the actions the Company is taking to identify and reduce water losses, the sources of water losses, and a break and repair history. Also included are recommendations needed for infrastructure replacements to further reduce water losses.

This report focuses on the Company's Eastern Group water systems where water losses are caused by aging and failing infrastructure and includes the Apache Junction, Bisbee, Miami, Oracle, and Superior water systems. These water systems have the highest level of water losses caused by breaks and leaks resulting from aging and failing water mains and service lines. The Company also closely monitors the other Eastern Group water systems, (San Manuel, Winkelman, and Sierra Vista) which already comply with the Commission's water loss standards.

2.2. Abbreviations

The following abbreviations and nomenclature are used throughout this report.

ADWR	Arizona Department of Water Resources
ANSI	American National Standards Institute
AWWA	American Water Works Association
CA	Cement Asbestos
CCN	Certificate of Convenience and Necessity
CI	Cast Iron
CLC	Cement Lined Concrete
CU	Copper
Commission	Arizona Corporation Commission
Company	Arizona Water Company
DI	Ductile Iron
DIPRA	Ductile Iron Pipe Research Association
DSIC	Distribution System Improvement Charge
EPA	Environmental Protection Agency
GS	Galvanized Steel
HDPE	High Density Polyethylene
LF	Linear Feet
MGD	Millions of Gallons per Day
PB	Polybutylene
PE	Polyethylene
PSI	Pounds per Square Inch
PVC	Polyvinyl Chloride
PWSID	Public Water System Identification
ST	Steel

3.0 COMPANY MEASURES TO IDENTIFY AND REDUCE WATER LOSSES

3.1. Company Resources

The Company focuses its resources, including employees and equipment, on reducing water losses in all of its water systems, including its Eastern Group water systems. The Company has 56 full time service employees in the Eastern Group available to work on repairs, leaks and breaks. On average, each year the equivalent of 11 full time employees were assigned to locate and repair leaks and breaks in the Eastern Group. When necessary, service employees

are dispatched from other water systems to help with repairs of more extensive leaks. In addition to 47 service vehicles, the Eastern Group has eight backhoes and four dump trucks available for use in repairing water mains and service line leaks and breaks. Five portable welders, six mobile air compressors and six utility trailers are equipped with specialty tools and equipment needed to repair leaks and breaks. Figure 3-1 shows some of the equipment typically used by the Company on a water main break.

Figure 3-1 Service Truck, Backhoe, and Compressor

3.2. Locating and Detecting Leaks

Meter readers report observed service line and water main leaks in their normal course of reading meters. The role meter readers play is essential to system monitoring, as they visually inspect the entire system for leaks and breaks as part of their routine duties. When a meter reader discovers a leak, the information is entered into their handheld meter reading equipment, which then generates a service order at the local office. If the leak is severe and warrants immediate attention, the meter reader will contact the local office to immediately dispatch one of the repair crews. In this manner, repair of leaks can be started even before the meter readers complete their shift.

In addition to visual inspections conducted by the Company's meter readers, the Company uses three complementary types of leak detection equipment, which help employees identify the location of water leaks more efficiently than other more labor-intensive methods. The first type of leak detection equipment is a listening device, such as an acoustic noise amplifier or geophone.

Figure 3-2 Acoustic Noise Amplifier

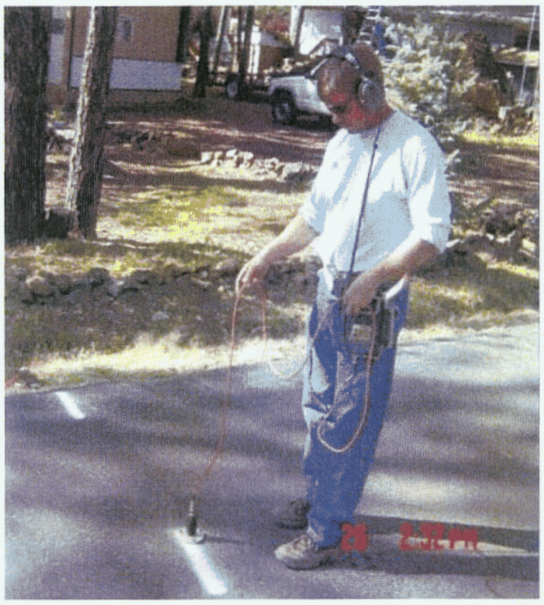


Figure 3-3 Geophone

The acoustic noise amplifier, as shown in Figure 3-2, is a highly sensitive set of "earphones" equipped with signal amplifiers and noise filters to isolate the sound vibrations of a water leak. It is usually placed on the ground above the water main, but can also be placed on meters, valves, or directly on the water main. In addition to the disc-shaped listening device, many models can be fitted with a listening "rod" for even more precise locating and ease of contact with the water main. The geophone, as shown in Figure 3-3, is a simplified version of the acoustic noise amplifier in that it is not electronic, but works in much the same manner, i.e. the listening device is placed on or above the water main and the operator listens for the sound of a leak.

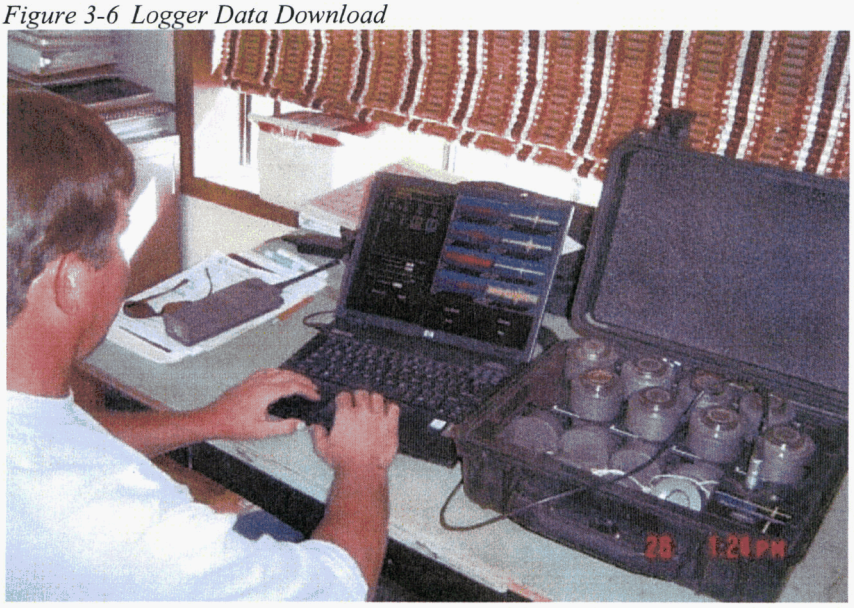
A second type of leak detection equipment, known as the digital leak detection logger, as shown in Figure 3-4, uses multiple data loggers to survey a larger portion of the distribution system to locate potential leaks that would otherwise go undetected by visual inspection or through the use of other less sophisticated types of listening devices. Each data logger, as shown in Figure 3-5, is used in conjunction with other data loggers to gather data during low noise times (such as between midnight and 2 a.m.) when water use and related noise is lowest and traffic noise is at a minimum. The use of multiple data loggers helps to cross reference locations of potential leaks identified by each data logger used.

Figure 3-4 Digital Leak Detection Logger

Figure 3-5 Data Logger

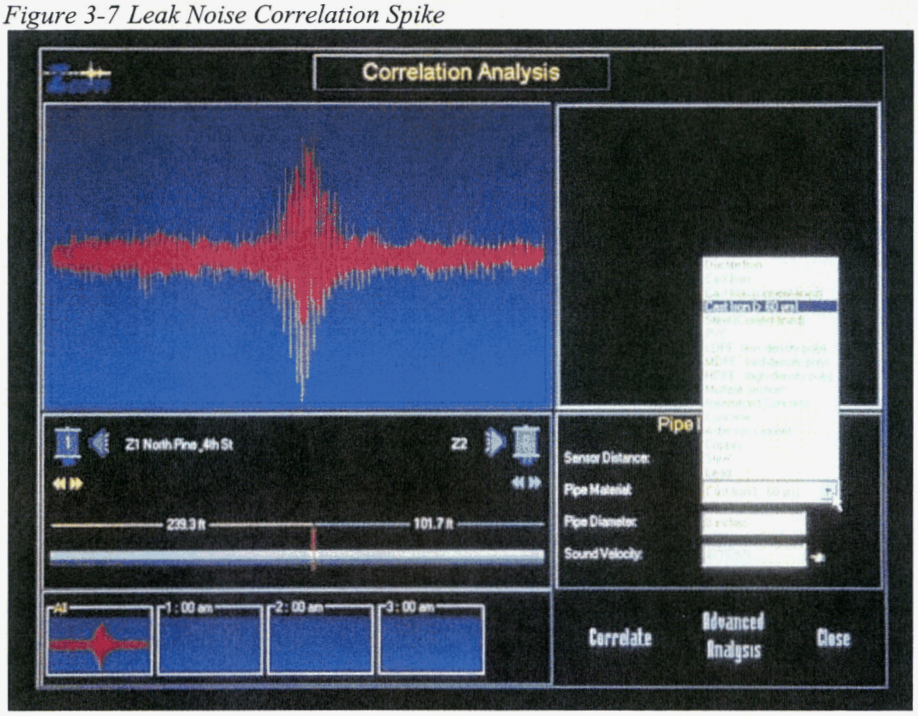
The digital leak detection logger uses up to eight data loggers, strategically placed on valves, hydrants, meters or directly on the water main throughout the water system. The data loggers are programmed (by data logging software installed on a laptop) to communicate with each other at three scheduled time intervals to pinpoint the location of a leak. The information is then downloaded onto a laptop computer and analyzed to determine if there was any leak "noise" identified between the loggers, as shown in Figure 3-6.

Figure 3-6 Logger Data Download



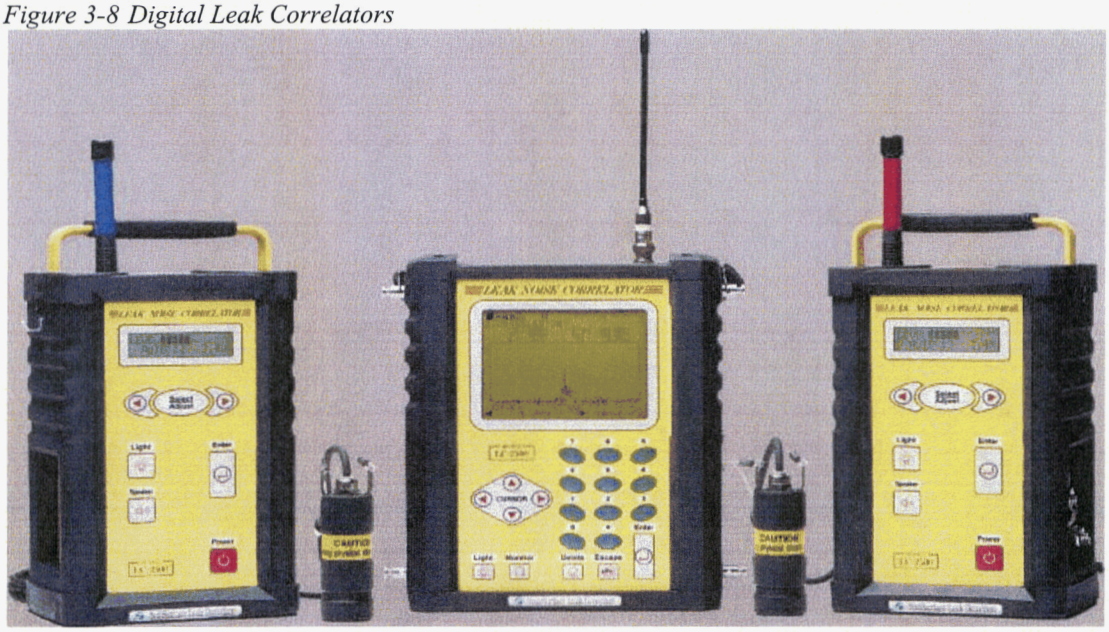
If leak noise is identified, a "correlation spike" will present itself in the data, as shown in Figure 3-7. At this time, the operator can input the pipe size, material type, and distance between the loggers to pinpoint the location of the leak.

Figure 3-7 Leak Noise Correlation Spike



The third type of leak detection equipment, the digital leak correlator, as shown in Figure 3-8, is used to pinpoint the location of the leak noise (and, presumably, also the leak) on a real-time basis, as well as confirming or validating locations of suspected leaks identified through surveys conducted by the digital leak detection logger or geophones.

Figure 3-8 Digital Leak Correlators



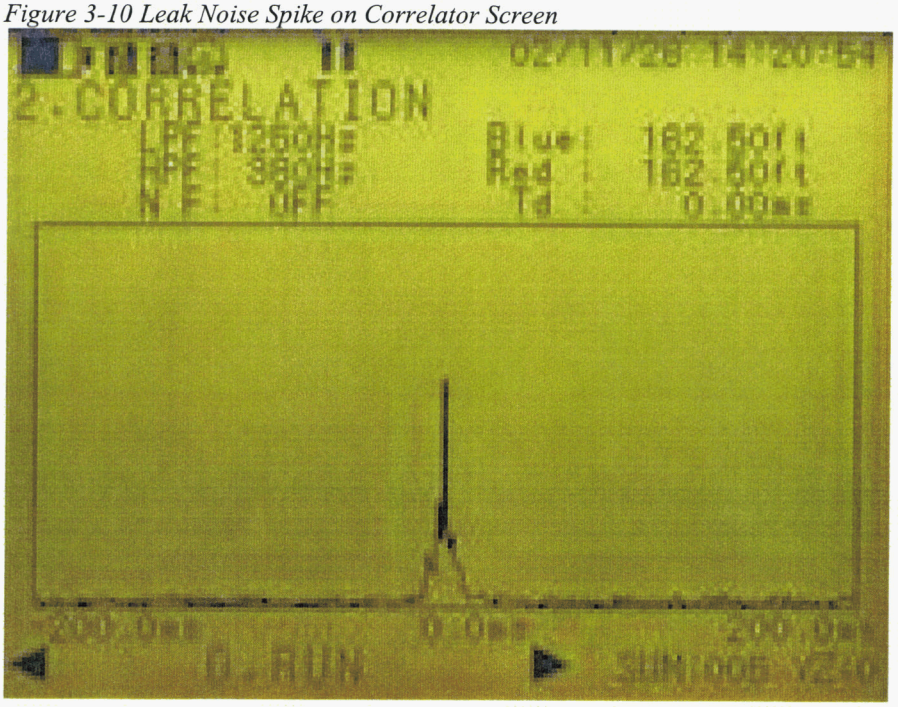
The digital leak correlator system consists of one main processor that is used to receive and process signals from two transmitters, which are placed on valves, hydrants, or meters by a special sensor mounting device or directly on the water main itself. When searching

for or pinpointing leaks, the size, material type, and length of each pipe that is located between the transmitters must be entered into the main processor, as shown in Figure 3-9.

Figure 3-9 Data Entry for Use of Correlator

If leak noise is observed, a spike appears on the main processor screen, along with the calculated distance from the leak to each of the transmitters, as shown in Figure 3-10.

Figure 3-10 Leak Noise Spike on Correlator Screen



Employees use digital leak correlators to confirm the validity of the data generated by the main processor by moving the transmitters to different locations, which can help to verify the original reported location of the leak (i.e. the indicated point of leak). When comparing the output from each correlation, locating or predicting the same point of leak confirms the point where repair crews should begin to excavate for repairs.

There are drawbacks and challenges to using any type of leak detection equipment, including electronic leak detection equipment. Because sound resonates much better on metal pipe, water systems with large amounts of non-metallic pipe (e.g. CA and PVC) do not always achieve consistent or reliable results when using leak detection equipment to locate smaller leaks. Background noise that is not associated with leaks, such as road traffic, electric transformers, other nearby utility lines, or functioning meters, can interfere with or skew the results from electronic leak detection equipment.

The Company's employees undergo extensive training in the proper operation, use, and interpretation of results generated from each type of leak detection equipment. The use of these types of equipment has proven to be an effective tool for locating water main and service line leaks and breaks, facilitating repairs and helping to reduce water losses. The Company also documents water leaks through the use of the Water Loss Control form, as shown in Figure 3-11, to assist in the collection of water leak data. This form is completed each time a leak is discovered and repaired, providing a detailed accounting of the leak and its repair, including the location, pipe condition, cause of leak, labor-hours expended and other associated costs. The information collected on this form is used to identify problem areas where additional leak detection efforts may be needed and also helps to determine the timing and priority of water main and service line replacements.

Figure 3-11 Water Loss Control Form

ARIZONA WATER COMPANY

WATER LOSS CONTROL FORM

DATE: _____ **SYSTEM:** _____ **PWSID AND NAME:** _____ **LEAK #:** _____

TYPE OF LEAK: SERVICE ☐ MAIN ☐ FITTING ☐ VOLUME (GPM) _____

LOCATION OF LEAK: LEGAL DESCRIPTION: ¼ SEC. _____ SEC. _____ T. _____ R. _____

ADDRESS #: _____ STREET NAME: _____

LOT#: _____ SUBDIVISION NAME: (e.g.. PINEWOOD UNIT 1) _____

LOCATION: (e.g. MAJOR CROSS STREETS, INTERSECTION) _____

SERVICE/MAIN/FITTING CONDITION:

YEAR: ____ MATERIAL: ____ SIZE: ____ LENGTH: ____ FITTING TYPE: (e.g. Meter/Valve) _____ DEPTH OF COVER: (inches) ____

EXTERIOR CONDITION: (CIRCLE ONE) BAD POOR FAIR GOOD EXCELLENT

EXTERIOR CONDITION DESCRIPTION: (e.g. CORROSION, PITS, CRACKS)

_____

_____

POLY-WRAPPED: YES ☐ NO ☐

INTERIOR CONDITION: (CIRCLE ONE) BAD POOR FAIR GOOD EXCELLENT

INTERIOR CONDITION DESCRIPTION: (e.g. CORROSION, PITS, TUBERCULATION, SCOURING, SLIME GROWTH)

_____

_____

DESCRIPTION OF LEAK: (e.g. PINHOLE, RADIAL CRACK, AXIAL CRACK, COUPLING/JOINT, COLLAPSE)

_____

_____

CAUSE OF LEAK: (e.g. CORROSION, FREEZING, BEDDING/BACKFILL, EARTH SETTLING, SURGE, ADJ. CONST. ACTIVITIES)

_____

_____

DESCRIPTION OF REPAIRS MADE: _____

_____

_____

_____

REQUIRED ATTACHMENT: COPY OF ¼ ATLAS WITH LOCATION OF LEAK MARKED WITH A RED "X"
REQUIRED ATTACHMENT: MATERIAL(S) LIST AND COST(S)
REQUIRED DIGITAL PHOTOS: RENAME FILE TO *{LEAK #-YR-PIC#}* *{FORMAT 001-11-01.JPG, 001-11-02.JPG, ETC...}*
PLACE DIGITAL PHOTOS IN THE LEAK DETECTION DIRECTORY UNDER THE APPROPRIATE DIVISION/SYSTEM ON THE COMPANY'S SHARED DRIVE

TOTAL LABOR HOURS: _____

TOTAL MATERIAL COST: $ _____

LEAK DETECTION EQUIPMENT USED (Y/N): _____

3.3. Leak Repair

The Company reduces water losses through timely maintenance and repairs of leaks and breaks. The Company's employees schedule repairs of smaller water main and service line leaks as soon as possible, while water main breaks are always repaired on an emergency basis. Water main leaks are much more difficult to locate than water main breaks as they are smaller and not always easily detectable or visible, except through more advanced methods of detection, such as through the use of listening devices, leak detection equipment (discussed in Section 3.2) and by conducting leak surveys.

3.4. Meter Maintenance Program

The Company's meter maintenance program establishes the criteria for meter repairs or replacement. The Company does not repair or replace water meters based solely on years in service. Repairing or replacing all meters based solely on years in service, without regard to gallonage and water quality, is not an effective and efficient use of resources. Instead, the Company's meter shop, through many years of experience testing and repairing water meters, has established comprehensive maintenance criteria based on gallonage, length of time in service, and water quality. Water quality varies between systems and can even vary within a system. These variances can have a significant impact on the useful life of a metering device. For example, the presence of sand and other fine materials can cause abrasive wear on meters and build up or deposits from hard water can increase friction on moving parts, causing a meter to "run slow", both of which can cause increased water losses (apparent losses, as defined later in this report).

The Company's meter shop also performs periodic, random tests of each water system's meters to provide an ongoing assessment of the suitability of meter maintenance criteria for each system. In this manner, the Company ensures that meter accuracy is maintained within industry standards for each water system, verified through random meter testing, while still keeping apparent losses due to meter inaccuracies low. The Company's meter maintenance and testing program benefit each of the Company's water systems. Nearly 2,000 meters were either repaired or replaced in the Eastern Group water systems in 2010 alone.

3.5. Meter Selection Review

Following guidelines provided by the Company's meter shop, the Company's engineering department reviews new meter applications prior to establishing water service. Typically, 5/8 x 3/4-inch water meters are installed for new residential subdivisions. Residential and non-residential meter applications that require 1-inch or larger water meters can result in wide ranges of flows, with the largest meter applications typically including fire flows. As a result, the Company's engineering department determines the appropriate size and type of meter for each specific use to meet the service needs and accurately measure all water provided throughout the anticipated range of flows. Again, apparent losses are minimized when the correct meter is chosen for the particular application.

4.0 WATER MAIN AND SERVICE LINE MATERIALS

4.1. Water Main Material Types

The Company has installed many sizes and various types of materials of water mains in the Eastern Group water systems. As shown in Graph 4-1 and Table 4-1, there are over 600 miles of water mains of various types of materials in service today.

Graph 4-1 Miles of Water Mains in Service by Material Type - Eastern Group

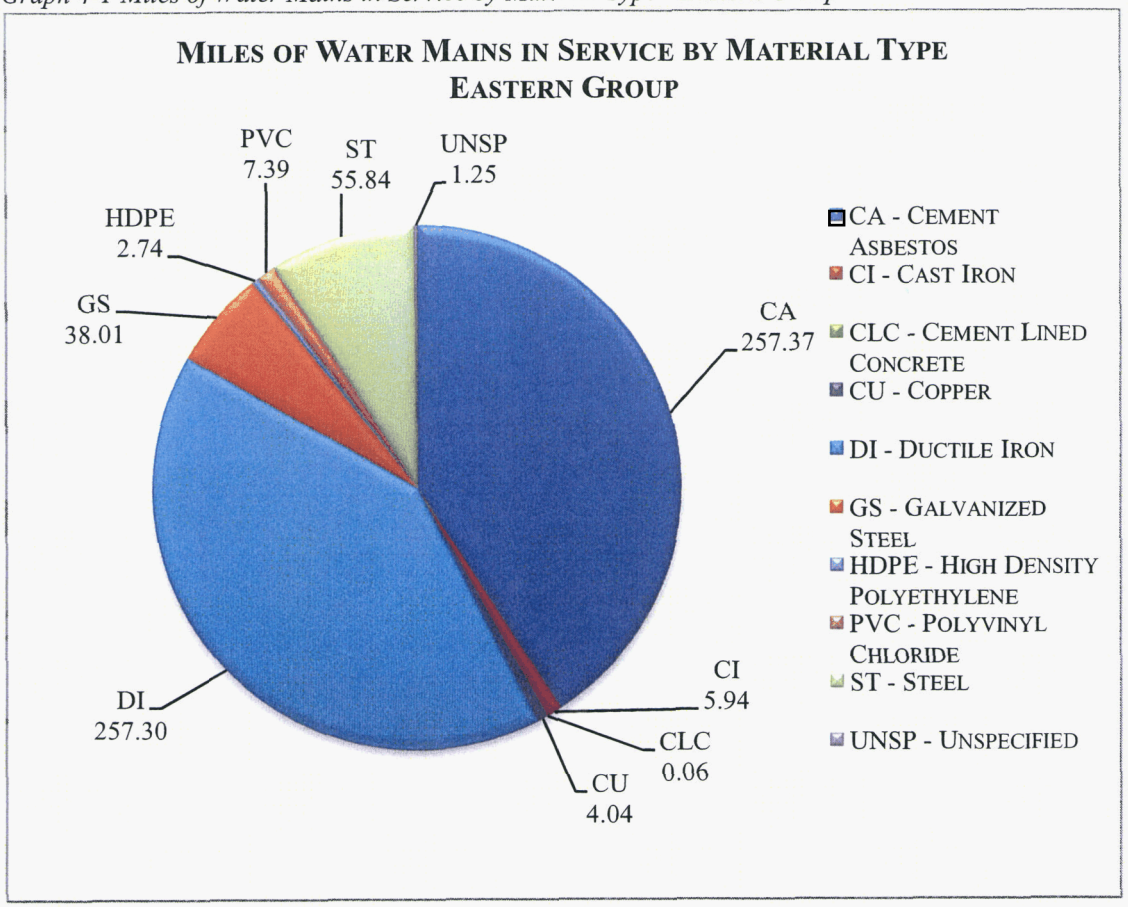


Table 4-1 Miles and Linear Feet of Water Mains in Service by Material Type - Eastern Group

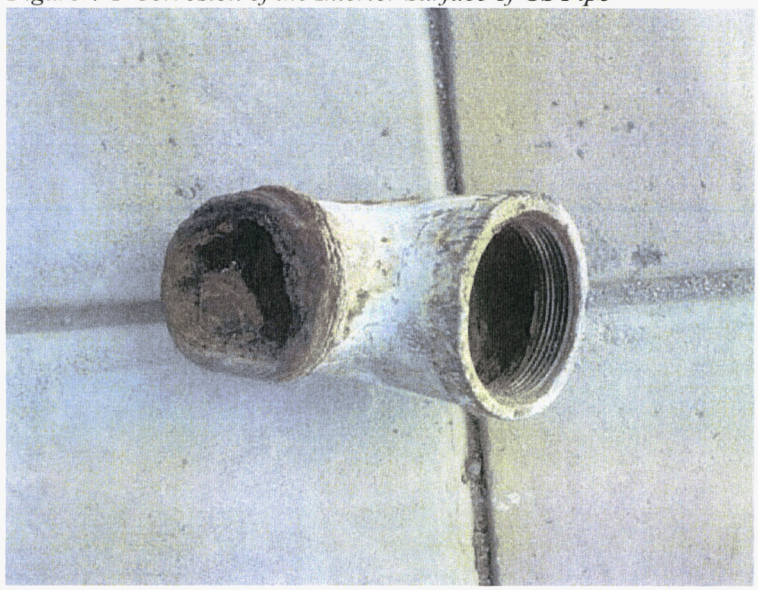
MILES AND LINEAR FEET OF WATER MAINS IN SERVICE BY MATERIAL TYPE EASTERN GROUP		
MATERIAL TYPE	MILES OF WATER MAINS	LF OF MAINS
CA - CEMENT ASBESTOS	257.37	1,358,909
CI - CAST IRON	5.94	31,362
CLC - CEMENT LINED CONCRETE	0.06	316
CU - COPPER	4.04	21,342
DI - DUCTILE IRON	257.30	1,358,520
GS - GALVANIZED STEEL	38.01	200,715
HDPE - HIGH DENSITY POLYETHYLENE	2.74	14,480
PVC - POLYVINYL CHLORIDE	7.39	38,998
ST - STEEL	55.84	294,809
UNSP - UNSPECIFIED	1.25	6,598
TOTAL	**629.94**	**3,326,049**

Water mains of different material types have been installed over the past 100 years, starting with ST from the early 1900s to the early 1950s. Also, GS was commonly used on smaller diameter water mains from the 1910s to the 1960s. CI water mains were first installed in the 1930s. CA water mains were used predominantly from the 1930s to the mid 1980s. CA pipes were originally expected to have a longer useful life and better flow characteristics than CI, GS, or ST pipe. Since 1986, DI pipe has been used exclusively by the Company in the Eastern Group water systems for new installations.

Nearly 527,000 LF of water mains in service today were constructed of CI, GS, or ST pipe, without any additional form of corrosion protection. As with any ferrous type material, water mains deteriorate through pitting corrosion, graphitization, and tuberculation build-up. One form of corrosion protection, cement lining, applied to the interior of water mains reduces internal rates of corrosion. But, cement lining of pipes did not begin until the 1940s. Consequently, ferrous type water mains that were installed before 1940 suffer from both the internal and external effects of corrosion, further increasing the potential for leaks. The rate and extent of corrosion of water main materials is affected by environmental factors as well, such as the presence of oxygen, moisture, soluble salts, cathodic/anodic corrosion, sulfate reducing bacteria, water main installation methods, bedding materials, use of active and passive cathodic protection systems, and other environmental factors.

Some of the metal water mains in the Eastern Group water systems have failed from corrosion. Corrosion weakens the structural integrity of the pipe, increasing the likelihood of failure. Internal corrosion in unprotected metal water mains leads to the formation of loose, porous rust, ferric hydroxide, which crystallizes to form a build-up of corrosion on the internal, unlined surface of the pipe, commonly referred to as "tuberculation". Corrosion on the interior surface of the pipe results in encrustation inside the pipe, reducing the flow capacity to a point that it has to be replaced to provide required flow. Figure 4-1 provides an example of corrosion on a 2-inch GS pipe elbow installed in 1949.

Figure 4-1 Corrosion of the Interior Surface of GS Pipe



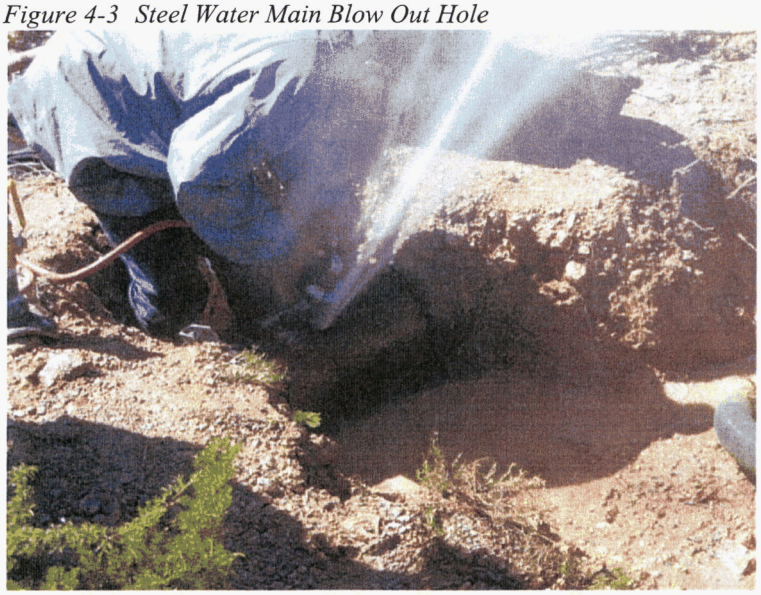
Corrosion pitting usually occurs below the build-up of corrosion scale on the inner wall of the pipe. Such build-up causes operating problems by reducing the flow capacity of the water pipe. Removing the build-up without applying an internal protective lining only accelerates the rate of pit corrosion until a new build-up of corrosion scale is formed (Thomson and Wang 2009). For these reasons, the standard industry practice is to not clean or otherwise disturb the corrosion build-up inside uncoated CI, GS, and ST water mains. Another type of corrosion process is graphitization, that causes some of the iron to be removed from the pipe wall, leaving behind a graphite flake matrix held together by rust. Graphitization can form a solid substance, creating the illusion of undamaged material. The matrix of graphite flakes is significantly weaker than the original CI material. This matrix may be strong enough to temporarily resist the forces of the pipe's internal water pressure, but ultimately, these pipes will leak or fail.

Water main failures are typically caused by forces applied to the pipe that exceed its residual strength, which has been reduced by the effects of corrosion. Forces on water mains include those produced by internal water pressure, bending, crushing, soil movement, and thermal expansion. Bending of ferrous metal pipes, a type of loading condition, is a common cause of failure made worse by the effects of corrosion. Another loading condition that commonly causes water main failures results from soil locking to the pipe wall through friction forces, after which, soil movement creates tension in the water main resulting in water main failures (Makar et al. 2001). Corrosion (rusting) of the outer pipe wall is shown in Figure 4-2. The rust effectively increases the coefficient of static friction between the pipe wall and soil, which can lead to increased tensile forces, and ultimately, to increased water main failures.

Figure 4-2 Corrosion of the Outer Wall of Pipe

Common causes of water main failure include blowout holes, circumferential cracking, bell splitting, longitudinal cracking, bell shearing, and spiral cracking. Smaller diameter water mains experience smaller forces from internal water pressure, but have smaller moments of inertia, making them susceptible to longitudinal bending failures. Larger diameter water mains experience larger forces from internal water pressure and have higher moments of inertia, making them susceptible to longitudinal cracking and shearing at the bell (Makar et al. 2001). Blowout hole failures occur when corrosion pitting thins the pipe wall to the point where the internal water pressure blows out the remaining reduced thickness pipe wall, as shown on Figure 4-3.

Figure 4-3 Steel Water Main Blow Out Hole



One of the most common modes of failure of smaller diameter pipe observed by the Company is circumferential cracking caused by bending forces applied to the pipe. The failure crack propagates around the circumference of the pipe, and is visually similar to a twig snapping. Bell splitting is another common type of failure for smaller diameter pipe caused by thermal expansion and contraction. Longitudinal cracking and bell shearing are common types of failures seen in larger (larger than 16 inches in diameter) pipes, since larger water mains have a high moment of inertia that does not lead to circumferential failures. Bell shearing failures are caused by bending forces or from compressive forces pushing the spigot of one length of pipe into the bell of the next pipe.

Graph 4-2 and Table 4-2 show that a significant portion of the distribution system in the Eastern Group (approximately 82 percent) is comprised of CA or DI water mains. In addition, 1,770,000 LF (over 50 percent) of water mains in service within the Eastern Group water systems are 6-inch or smaller. As described in this section, 6-inch and smaller water mains fail more frequently and have a shorter useful life.

Graph 4-2 Breakdown of Water Mains in Service by Material Type - Eastern Group

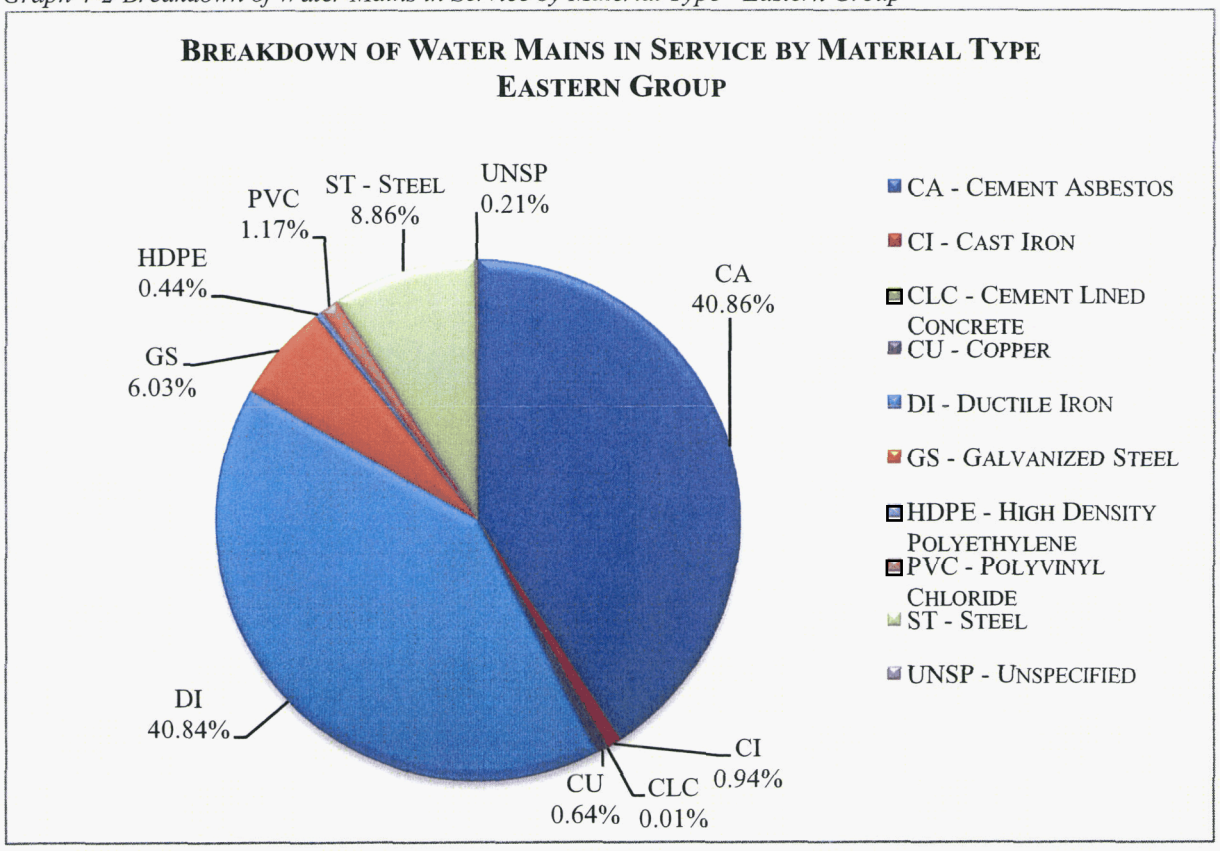


Table 4-2 Breakdown and Linear Feet of Water Mains in Service by Material Type - Eastern Group

BREAKDOWN AND LINEAR FEET OF WATER MAINS IN SERVICE BY MATERIAL TYPE EASTERN GROUP		
MATERIAL TYPE	PERCENTAGE OF WATER MAINS	LF OF WATER MAINS
CA - CEMENT ASBESTOS	40.86%	1,358,909
CI - CAST IRON	0.94%	31,362
CLC - CEMENT LINED CONCRETE	0.01%	316
CU - COPPER	0.64%	21,342
DI - DUCTILE IRON	40.84%	1,358,520
GS - GALVANIZED STEEL	6.03%	200,715
HDPE - HIGH DENSITY POLYETHYLENE	1.17%	38,998
PVC - POLYVINYL CHLORIDE	0.44%	14,480
ST - STEEL	8.86%	294,809
UNSP - UNSPECIFIED	0.21%	6,598
TOTAL	**100%**	**3,326,049**

CA water mains were commonly used in the Company's water systems since the 1930s. CA does not corrode in the same manner as ferrous (i.e. CI, GS, ST) water mains and was considered a superior product compared to CI or GS water mains because of its low friction factors and non-metallic construction. However, chemical changes can occur in the cement substrate of the CA pipe due to the interaction of water and the internal surface of the pipe and from the interaction of the surrounding soil and the external surface of the pipe. These chemical changes cause a loss of strength in the composite material. Deterioration of the pipe and changes in material or pipe integrity are not immediately visible as there is no color change or reduction in wall thickness. CA pipe deteriorates through the decomposition of hydrated silicates in the cement substrate, due to the leaching of calcium hydroxide. As the calcium hydroxide leaches out of the CA pipe, hydrated silicates decompose and release more calcium hydroxide. This degenerative process continues until most of the hydrated silicates are decomposed, resulting in material that is weak and unstable, leading to leaks, breaks, and failure of the pipe. The Company discontinued the use of CA for new water mains in 1986, when it updated its specifications to require the use of DI or PVC pipe.

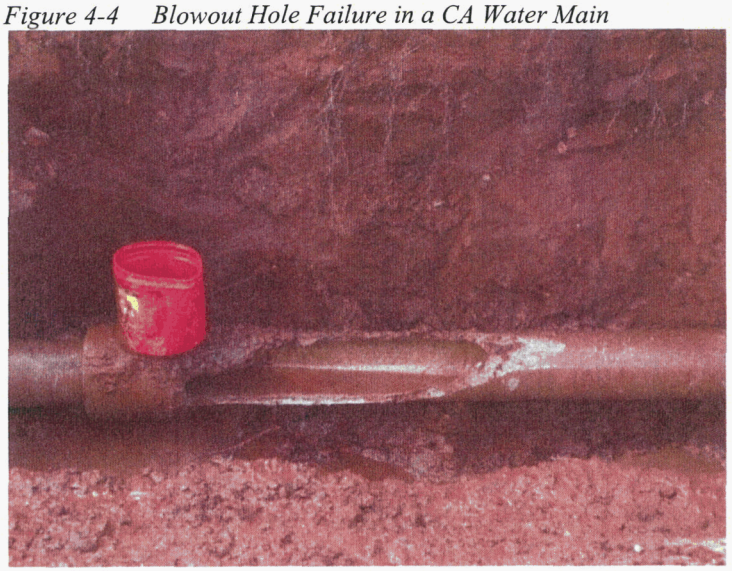
Concerns over the failure and useful life of CA water mains have prompted many studies. For example, a study that analyzed pipe breaks in urban water systems identified the positive relationship between the rate of pipe breakage and age (Kettler and Goulter 1985). This study confirms the effects of age on pipe breaks and validates the Company's observation that water leaks are increasing as its water systems age. Other studies have shown that the pipe breakage rate is also influenced by pipe diameter, with a higher breakage rate for smaller diameters (Guan 1995, Mordak and Wheeler 1988). The higher breakage rate can be attributed to thinner pipe wall and lower bending resistance of smaller diameter pipe (Mordak and Wheeler 1988). The Eastern Group has nearly 1,038,000 LF (76 percent) of CA water mains in service that are 6 inches or smaller in diameter, as shown in Table 4-3.

Table 4-3 Linear Feet of CA Water Mains in Service by Diameter - Eastern Group

LINEAR FEET OF CA WATER MAINS IN SERVICE BY DIAMETER EASTERN GROUP	
WATER MAIN SIZE	**LF OF WATER MAIN**
≤ 6-INCH	1,037,842
> 6-INCH	321,067
TOTAL	**1,358,909**

Based on the leak repair history data collected and presented in Appendix 9.1 the Company has observed a considerable increase in the number of leaks on 6-inch and smaller diameter water mains than it has for water mains larger than 6 inches in diameter. For example, Figure 4-4 shows a picture of a blowout hole failure for a CA water main in the Company. This is the most common type of water main failure in the Company, due to deterioration of CA water mains, as described above. The Mordak and Wheeler 1988 study observed this same phenomenon.

Figure 4-4 Blowout Hole Failure in a CA Water Main



All water mains deteriorate with age, creating an increased risk of failure over time. The water mains made of CI, GS, and ST must be replaced because they are reaching the end of their useful lives, and account for over 85 percent of all water mains installed between 1900 and 1949 in the Eastern Group water systems, as shown in Graph 4-3 and Table 4-4. Based on this information, a primary focus of the Company's proposed replacement projects identified in Sections 5.4.2 and 7.4.2, is the replacement of CI, GS, and ST water mains which have shown excessive instances of breaks and leaks.

Graph 4-3 Breakdown of Water Mains Installed 1900-1949 in Service by Material Type - Eastern Group

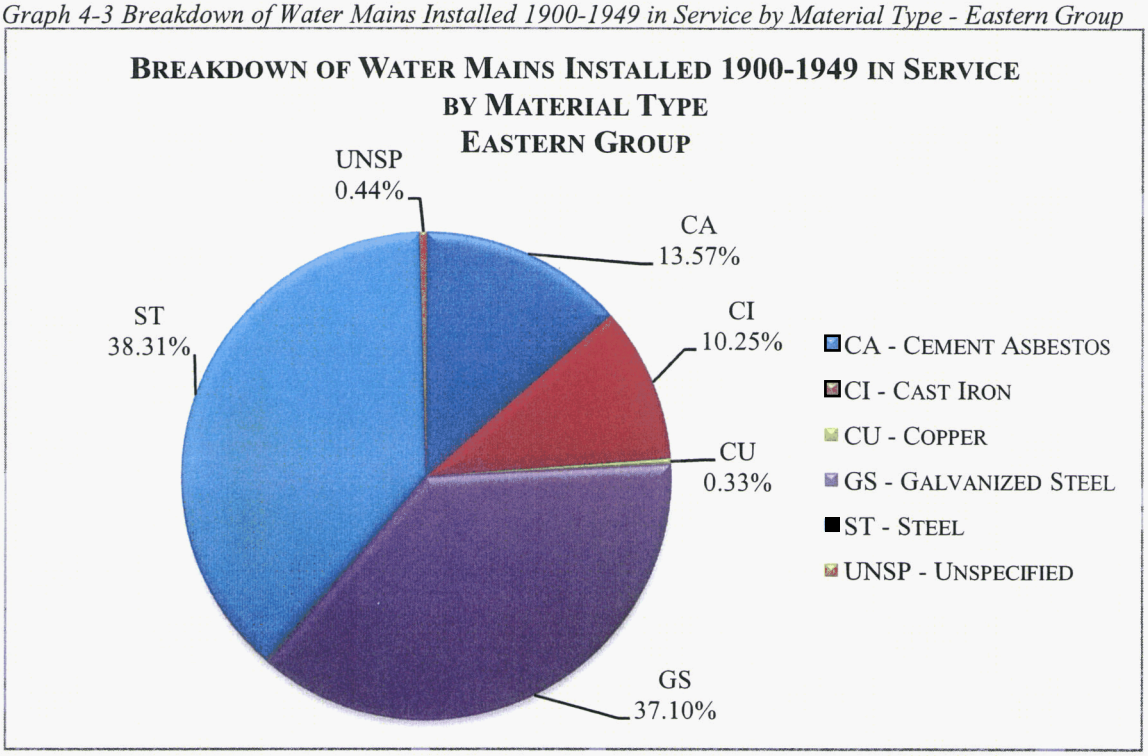


Table 4-4 Breakdown and Linear Feet of Water Mains Installed 1900-1949 in Service by Material Type - Eastern Group

BREAKDOWN AND LINEAR FEET OF WATER MAINS INSTALLED 1900-1949 IN SERVICE BY MATERIAL TYPE EASTERN GROUP		
MATERIAL TYPE	**LF OF MAIN**	**PERCENTAGE**
CA - Cement Asbestos	31,444	13.57%
CI - Cast Iron	23,767	10.25%
CU - Copper	764	0.33%
GS - Galvanized Steel	85,986	37.10%
ST - Steel	88,782	38.31%
UNSP - Unspecified	1,025	0.44%
TOTAL	**231,768**	**100.00%**

The useful life of water mains varies considerably based on a number of factors, including pipe material, soil conditions, and water quality. Failing water mains are replaced where feasible, subject to budget constraints. Recent construction budgets have not had sufficient funds to replace aging infrastructure within the useful life of such infrastructure and, as a result, there has been an increase in the frequency of water main breaks in the Eastern Group. The Company is unable to adequately fund the replacement of aging infrastructure; with such circumstance affecting utilities nationwide (Leaks 1994).

The oldest CI pipes manufactured date to the late 1800s and had an average life span of about 120 years. CI pipes manufactured in the 1920s had an average life span of about 100 years. In general, water pipes installed since World War II have a life span estimated to be only around 75 years. The problem is that all three eras of pipe manufacture and installation will need to be replaced at about the same time (Cooper et al. 2009).

The AWWA has coined the term "The Replacement Era" to refer to the years 2000 to 2030, in which a significant portion of the nation's water distribution system infrastructure will need to be replaced (Cromwell et al. 2001). The AWWA projects that utilities, such as the Company, will require significant adjustments in revenues to recover the costs associated with these expenditures (Cromwell et al. 2001).

Significant capital investment is needed in the Eastern Group to replace aging infrastructure and ensure safe, reliable, and adequate water service to the Company's customers. The Company's investment needs for water main replacements are forecasted on an annual basis for the Eastern Group water systems and are based on the current age of the water mains and their estimated useful lives.

4.2. Service Line Material Types

Water service lines are typically constructed from several different types of materials, including CU, GS, PB, PE, and PVC. GS water service lines are subject to corrosion and show signs of failure similar to those seen in CI, GS and ST water mains, including pitting corrosion and internal corrosion build up.

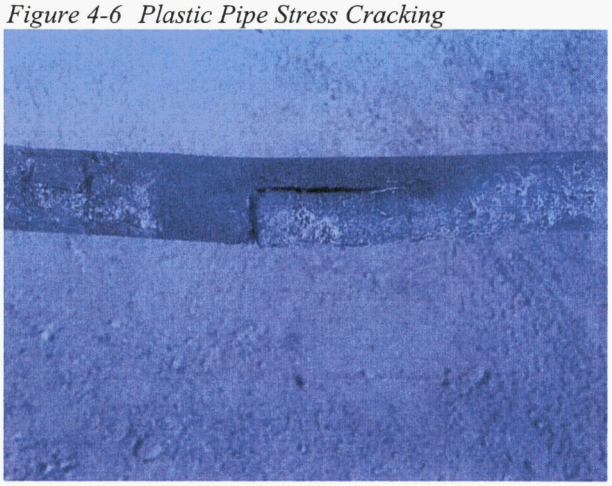
Plastic pipe was first commercially introduced in the United States in the 1940s. In 1948, large-scale production of plastic pipe began with the introduction of PE which was used in various water applications (DeBerry et al. 1982) and was first used for water service lines and household plumbing. PE is formed by the polymerization of ethylene. PE has a very high chemical resistance and, as a result, cannot be joined using adhesives or solvent cements, but instead must be joined by compression or thermal fittings. PE service lines used by the Company had carbon black added as part of the manufacturing process, which was a common method to protect from ultraviolet radiation (sunlight deterioration). Another type of plastic pipe used for service lines was PB, which has a rigidity similar to that of low density PE, but has a strength greater than that of HDPE. Unlike PE, PB has the ability to retain strength with increasing temperature. Its initial flexibility made it a prime candidate for use in water service lines. Compared to most metals used in the water industry, thermoplastics such as PB and PE offer significantly higher corrosion resistance. Thermoplastics are also not significantly affected by the inorganics in drinking water or the chemicals used in water treatment, such as acids, bases and brines. Thermoplastics are not susceptible to electrochemical and galvanic corrosion because they are not conductors, unlike metal water mains. PB and PE pipes are also not affected by stray currents in the soil. Stray currents in soil can come from active cathodic protection system such as those used by gas utilities for protection of steel gas pipelines. Stray current can also come from various electrical sources, such as power lines. This resistance to electrochemical corrosion eliminates the need for cathodic protection and special coatings. At

the time of their installation, the water industry expected that PB and PE service lines would prove to be superior to CU and GS as service line materials.

However, unlike CU, DI, GS, and ST, environmental stress cracking is a significant factor in PB and PE plastic pipe degradation, as shown in Figure 4-6. This form of degradation is due to stress concentrations on the PB and PE plastic pipe, particularly at joints and fittings. These concentrated stresses arise from: 1) forced alignment of pipe and fittings, 2) thermal expansion and contraction, 3) settling structures, and 4) long-term dimensional changes (DeBerry et al. 1982).

Figure 4-5 Plastic Service Leak

Figure 4-6 Plastic Pipe Stress Cracking

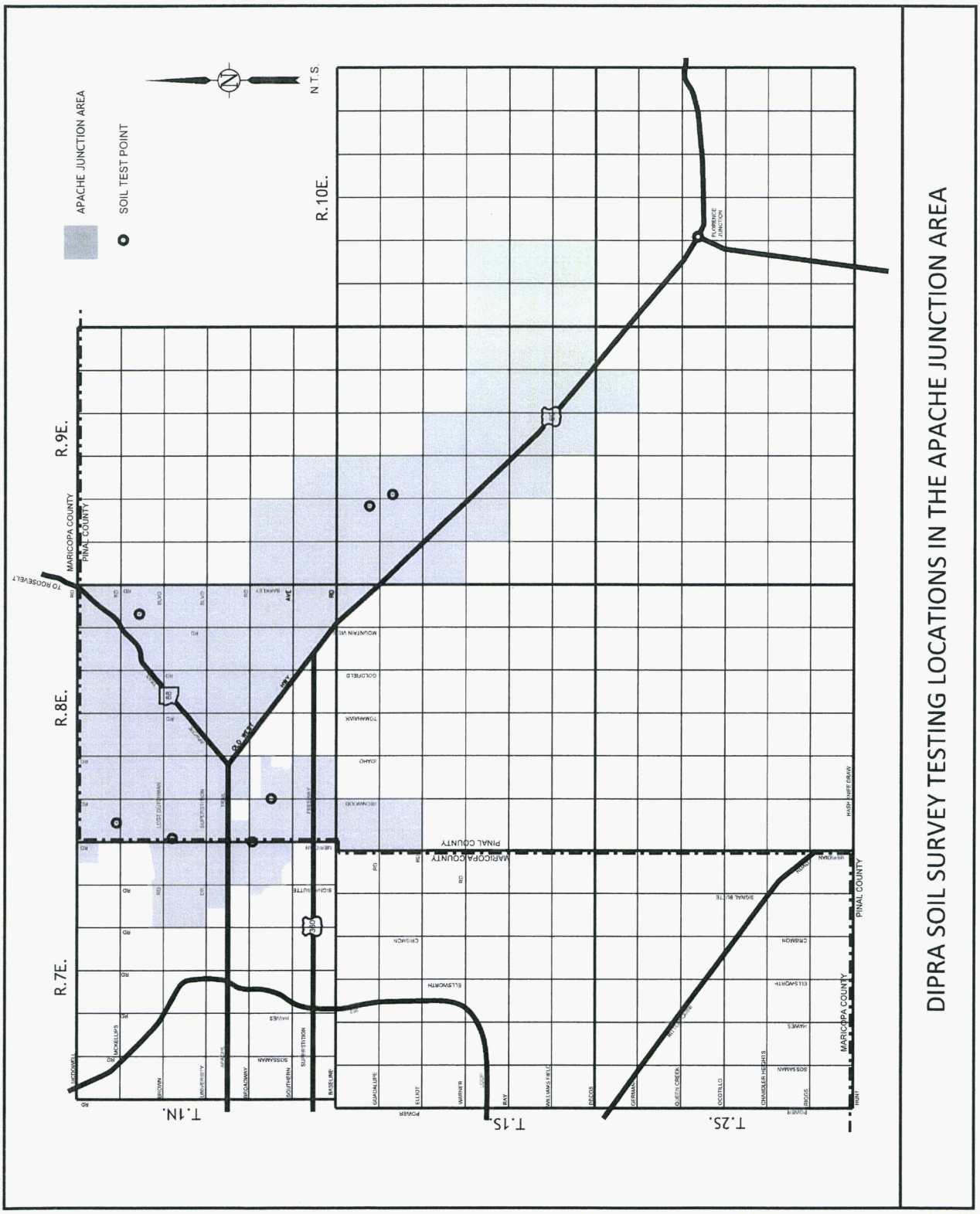


Plastic services like PB and PE were commonly used by the water industry from the 1960s to the 1980s. The Company installed most of its plastic water service lines in the 1970s. Decades later, these plastic service lines have increasingly failed, as shown in Figure 4-5, leading to increased leaks and breaks, initially requiring repairs but eventually requiring replacement. The Company estimates that over 7,000 or 25% of all existing water service lines installed in the Eastern Group water systems were constructed of either PB or PE materials. Because of the high percentage of PB and PE water service lines and their increasing failures, these types of service lines contribute significantly to increased water losses. Two of the leading causes of failed plastic services seen by the Company are forced alignment of pipe and fittings and thermal expansion and contraction. Currently, CU is used for all new water service line installations 2 inches and smaller in diameter.

4.3. Soil Corrosivity Surveys and Polyethylene Encasement

In June 1986, DIPRA performed a soil corrosivity survey for several of the Company's water systems. This survey was performed in conjunction with the Company's update in specifications from CA to DI water mains and was used to identify where external corrosion protection was needed for the installation of DI pipe in its various water systems. For example, test locations were selected in various portions of the Apache Junction area, see Map 4-1. All field and laboratory procedures were conducted in accordance with Appendix A of ANSI/AWWA C105/A21.5 Standard.

Map 4-1 DIPRA Soil Survey Testing Locations in the Apache Junction area



The soil survey report used the industry adopted "10-Point" method to determine soil corrosivity per Appendix A of ANSI/AWWA C105/A21.5 Standard. Under this method, the soil is analyzed for resistivity, pH, redux potential, sulfides, and moisture. All of these characteristics have been shown to contribute to soil corrosivity. Points are assigned through a piecewise function of each of the soil characteristics' measurements. Values that are more corrosive are assigned more points. The soil is considered corrosive to ferrous metal pipes when the sum of all the points for the five soil properties listed above is greater than or equal to ten points. However, the point scale for soil resistivity has changed since the soil survey report was performed in 1986. Table 4-5 shows the difference in values.

Table 4-5 Corrosivity Point Scale

	CORROSIVITY POINT SCALE		
Year	**1982**	**2010**	
Standard	**AWWA C105/A21.5-82**	**AWWA C105/A21.5-10**	
	RESISTIVITY - OHM-CM		**POINTS**
	<700	<1500	10
	700-1000	≥1500-1800	8
	1000-1200	>1800-2100	5
	1200-1500	>2100-2500	2
	1500-2000	>2500-3000	1
	>2000	>3000	0

The point scale in 1986 required the resistivity value to be much lower in order to be considered corrosive. However, there have been studies (Tucker 1986) showing that soil resistivity is the soil characteristic that contributes the most to soil corrosivity. Table 4-6 shows the results of the soil resistivity measurements taken from the sample locations in the Apache Junction area reported in the soil survey report.

Table 4-6 Results of Apache Junction Soil Survey Soil Resistivity

APACHE JUNCTION TEST LOCATIONS	RESISTIVITY OHM-CM	POINT SCORE OLD	POINT SCORE NEW
IRONWOOD - 200 FEET NORTH OF 16TH AVE.	1,360	2	10
BROADWAY AND MERIDIAN	2,000	1	2
FOOTHILLS EAST OF MERIDIAN	5,200	0	0
WARNER AND WHITELY	3,000	0	1
SIX SHOOTER AND SIGNAL TREE	2,000	1	5
BALBOA AND DEL MONTE	1,600	1	8
GOLF COURSE TANK SITE	2,850	0	1

Using the old point scale, the highest corrosivity reading was two points, with six out of seven sample sites assigned zero or one point. Under the new point scale, four of the seven sample sites were assigned five or more points, with one sample site being given 10 points, showing the soils in the Apache Junction area are much more corrosive to DI pipe than was previously considered.

PE encasement (or polywrap) acts as a protective barrier between the water line and the surrounding soil. Any water that enters the annular space between the PE encasement and the water line, with its available oxygen, reaches a point at which the oxidation process stops long before damage occurs to the DI or CU pipe. This is due to the limited availability of oxygen, which is needed for corrosion to occur. Further, pinholes in the loose polyethylene wrapping material do not significantly diminish its ability to protect the water line against corrosion.

In the last four to five years, the Company began to see pinhole corrosion leaks develop in copper water service lines, caused by corrosive soils. As a result, the Company now requires PE encasement for CU service line installations. In addition, the Company also requires the use for PE encasement (or polywrap) for its DI water main installations, which consists of wrapping the DI water main with PE tubes or sheets. PE encasement has been used worldwide for more than fifty years as an effective external corrosion protection system for CI, CU and DI pipe. Once installed, PE encasement is a passive protection system that does not require monitoring, supervision, or maintenance. The first national standard in the United States for PE encasement ANSI/AWWA C105/A21.5 was adopted in 1972 and, in 1974, the American Society of Testing and Materials issued its standard for PE (ASTM A674).

Under the new point scale system, the June 1986 soil survey report would now confirm that PE encasement, in accordance with ANSI/AWWA C105/A21.5 Standard, is required for DI water main installations in the Apache Junction area to protect against corrosive soils.

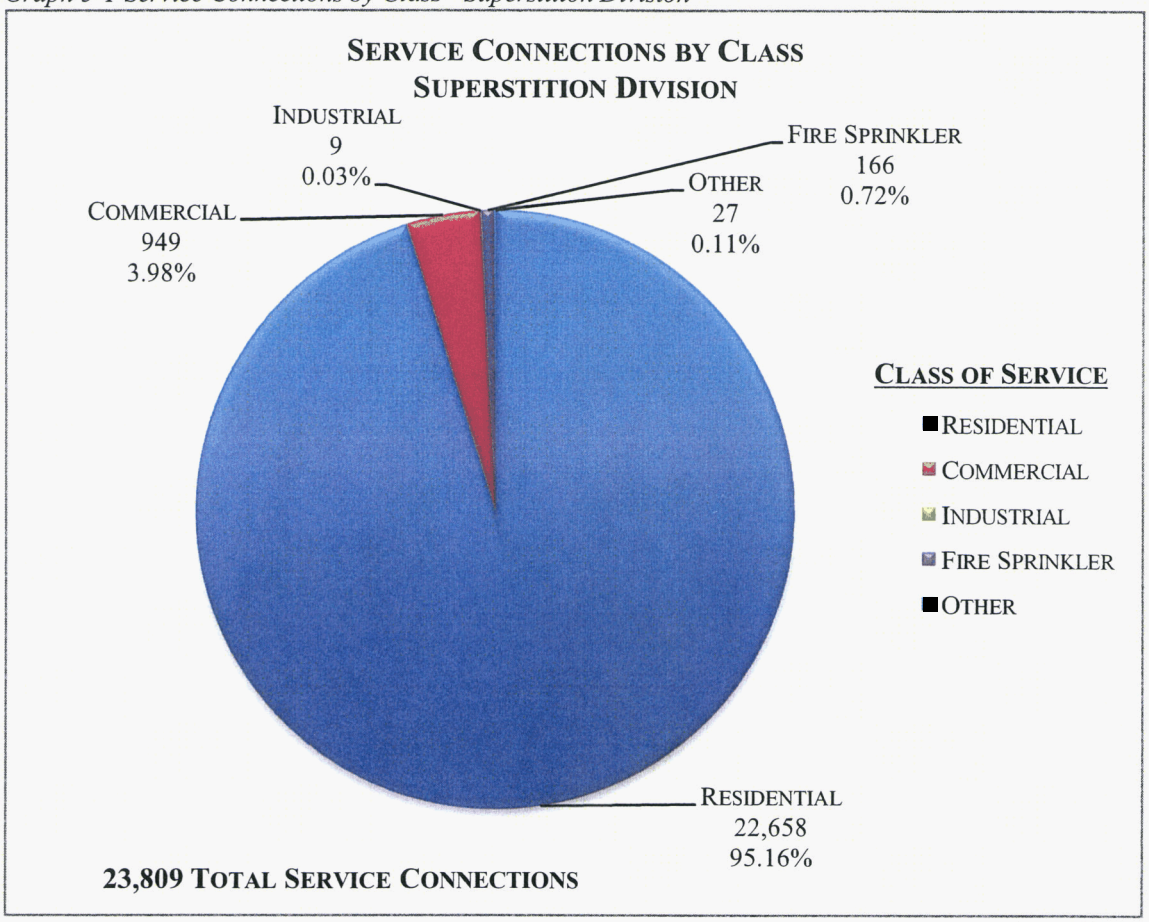
5.0 SUPERSTITION DIVISION

5.1. Overview of the Existing Water Systems

5.1.1. Water System Background

The Company's Superstition Division includes the Apache Junction, Miami and Superior water systems, within which include a number of communities in Gila, Maricopa, and Pinal Counties, including portions of the City of Apache Junction, the City of Mesa, the City of Globe, Gold Canyon, Florence Junction, the Town of Superior and the Town of Miami. The Superstition Division water systems currently serve over 23,800 residential, commercial, and industrial customers, with an estimated population of more than 70,000 people.

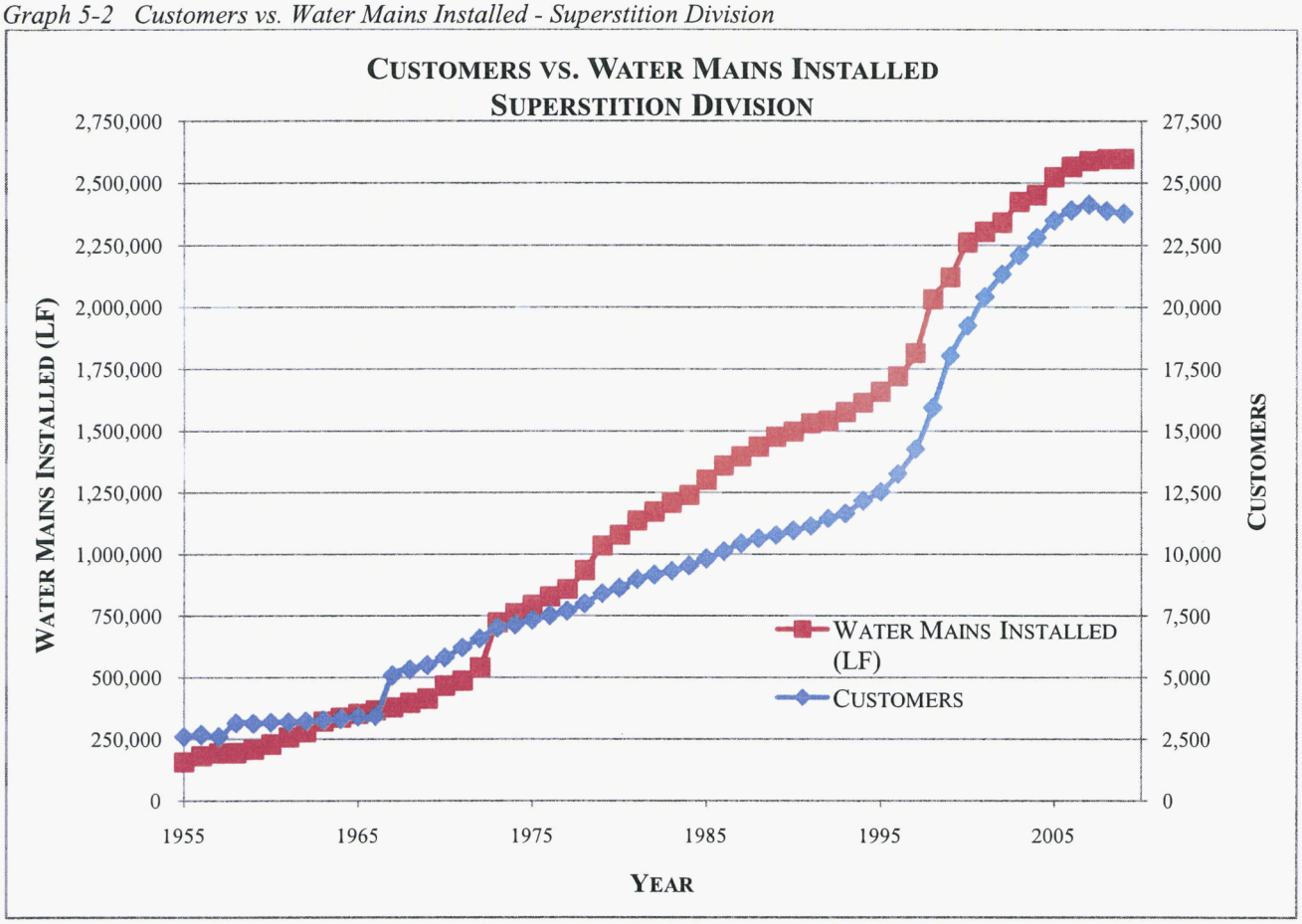
Graph 5-1 Service Connections by Class - Superstition Division



As shown in Graph 5.1 above, 95 percent of all service connections are classified as residential (most of which use 5/8 x 3/4-inch meters). Four percent of service connections are classified as commercial and one percent is classified as industrial, fire sprinkler, or other.

Like other water systems in the Company, water main installations track customer growth in the Superstition Division and, although many new miles of transmission and distribution water mains and service connections were constructed in the mid-1990s and the mid-2000s, as shown in Graph 5-2, the Superstition Division water systems still utilize many older water mains and service connections constructed of GS, ST, CI and CA. The oldest of these mains were first installed in the late 1910s and remain in service today. These older water mains show extensive corrosion and other visible signs of aging, such as increasing occurrences of leaks and breaks, which lead to increased water losses and repairs.

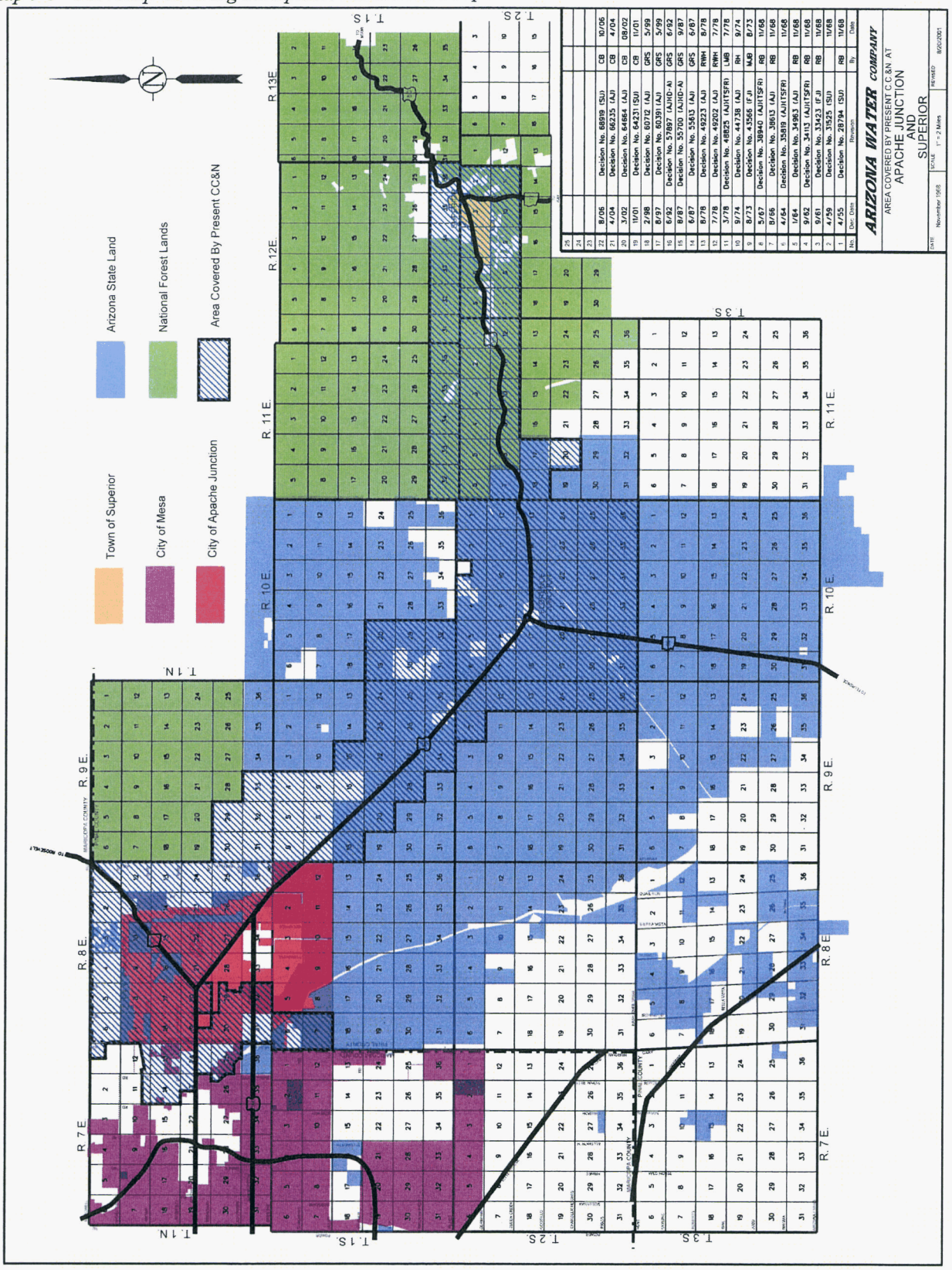
Graph 5-2 Customers vs. Water Mains Installed - Superstition Division



5.1.2. Certificate of Convenience and Necessity

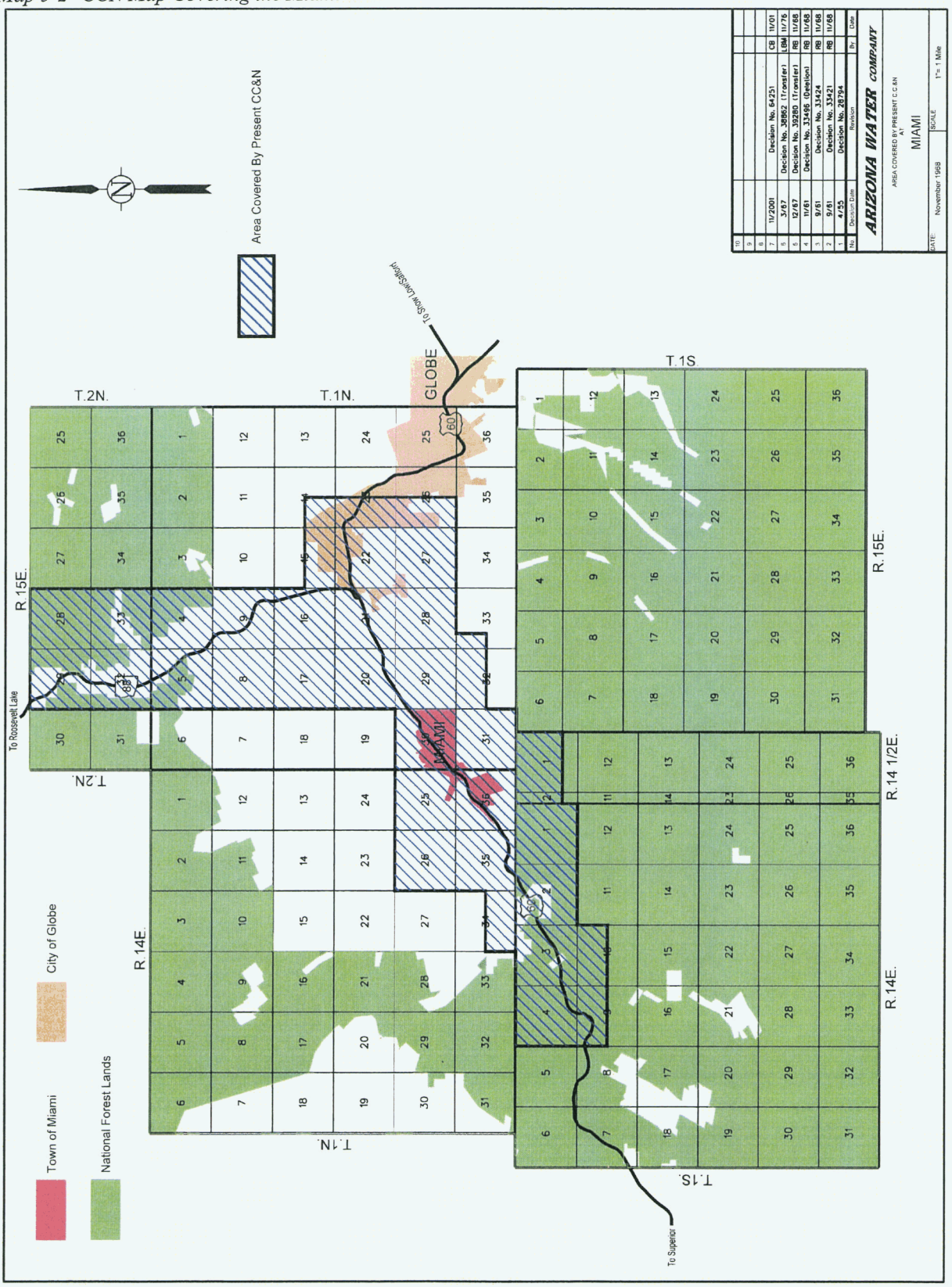
The CCN covering the Apache Junction and Superior areas is comprised of over 152 square miles, located mostly in northern Pinal County with a small portion located in eastern Maricopa County, as depicted in Map 5-1. The water system extends into portions of the City of Mesa to the West, includes most of the City of Apache Junction and the Town of Superior, is bordered by the Tonto National Forest to the North and East and by Arizona State Land to the South.

Map 5-1 CCN Map Covering the Apache Junction and Superior areas



The CCN covering the Miami area is comprised of over 31 square miles located in Gila County, as depicted in Map 5-2 and includes the Town of Miami, portions of the City of Globe, and certain unincorporated areas in Gila County. This CCN area is bordered by the Tonto National Forest on the North, West, and South, and the City of Globe on the East.

Map 5-2 CCN Map Covering the Miami area



5.1.3. Source of Supply

Apache Junction water system customers receive their water from eight wells that have a combined maximum production capacity of over 17 MGD. All of the water from these wells is pumped to one of two centralized arsenic treatment plants. The treated water is delivered to ground level water storage tanks, and is then pumped into the distribution system from two points of entry. The Apache Junction water system has 12 elevated storage water tanks that store over 16 million gallons of water. 15 pump stations distribute water throughout the Apache Junction water system's 11 pressure zones.

Miami water system customers receive their water from 16 wells that have a combined maximum production capacity of over 2.2 MGD. More than half of the water production comes from three of the Miami water system's largest wells that pump into a transmission line located in the northernmost portion of this water system. The other 13 wells deliver water to one of five pressure zones in the distribution system. The Miami water system has over 2.7 million gallons of water storage capacity. Nine pump stations and the 13 wells described above distribute water throughout the Miami water system's eight pressure zones.

Superior water system customers receive their water from three wells that have a combined maximum production capacity of over 1.8 MGD. All of the wells pump to a single centralized arsenic treatment plant. The treated water is delivered to a ground water storage tank and then pumped through a 26-mile transmission line that delivers water to two elevated storage water tanks that have a capacity of approximately 2.5 million gallons of water. The static pressure at the booster station is over 545 psi and the pressure increases to over 800 psi when the booster pumps are operating. The transmission line is above ground and the water temperature in the pipe can reach 140 degrees Fahrenheit. A cooling tower cools the water to less than 100 degrees Fahrenheit before being delivered into the distribution system. There are three pressure zones, one high pressure booster pump station, and one small booster station in this water system.

5.1.4. Distribution System

There are approximately 500 miles of water mains of varying size, material, and age in service in the Superstition Division's three water systems. The 2.6 million linear feet of water mains in the Superstition Division's water systems are constructed from a number of different materials, such as CA, CI, CLC, CU, DI, GS, HDPE, PVC, ST, and other materials. There are approximately 23,800 water service connections which use primarily CU, DI, GS, PB, PE and ST materials.

Water mains vary in size from less than 2 inches to 36 inches in diameter. Graph 5-3 and Table 5-1 show the lengths of water mains in service (in miles and linear feet) by water main size diameters (in inches). There are over 81 miles or 429,000 LF of water mains 4 inches or smaller in diameter, as shown in Table 5-1. In accordance with the Company's Terms and Conditions for the Provision of Water Service, Tariff TC-243, the Company's current design standards require new water mains to be no smaller than 6 inches in diameter.

Graph 5-3 Miles of Water Mains in Service by Diameter - Superstition Division

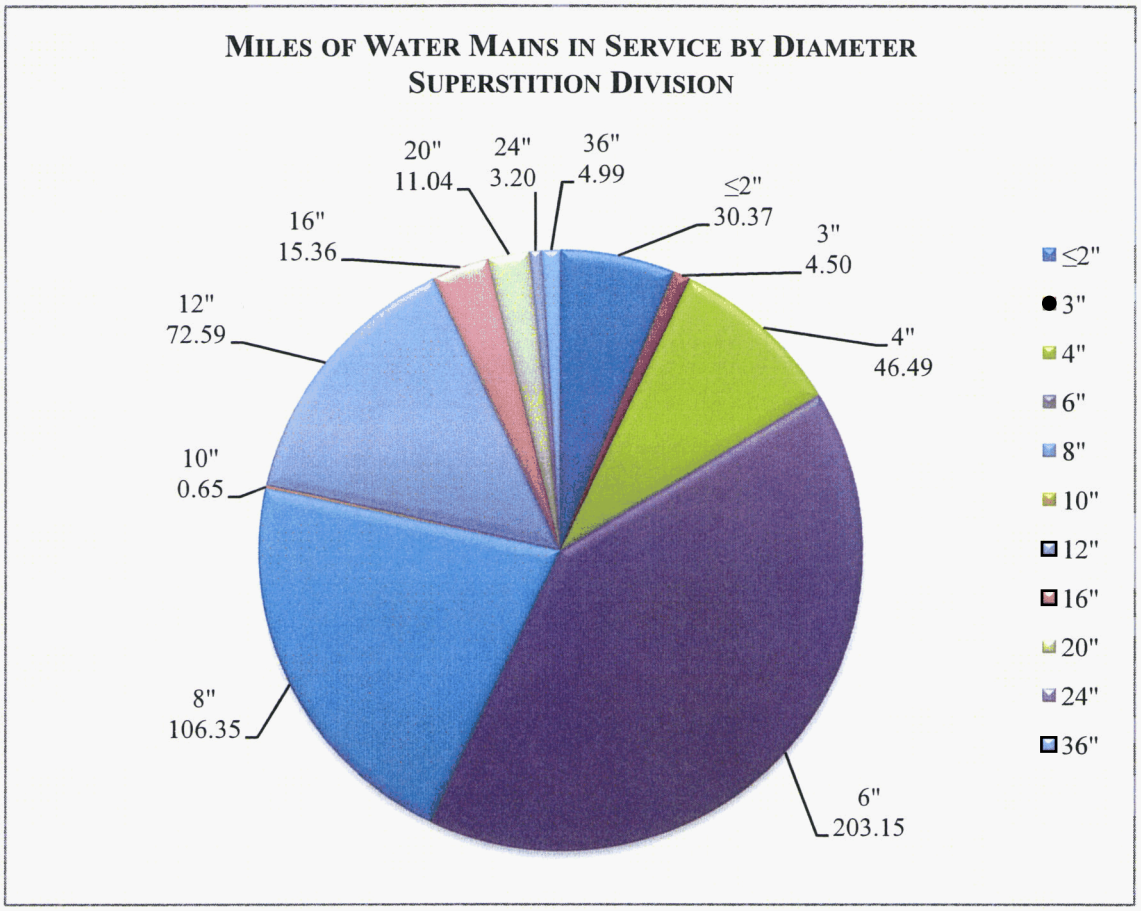


Table 5-1 Miles and Linear Feet of Water Mains in Service by Diameter - Superstition Division

MILES AND LINEAR FEET OF WATER MAINS IN SERVICE BY DIAMETER SUPERSTITION DIVISION		
WATER MAIN SIZE	**MILES OF WATER MAINS**	**LF OF WATER MAINS**
≤2"	30.37	160,358
3"	4.50	23,777
4"	46.49	245,491
6"	203.15	1,072,611
8"	106.35	561,522
10"	0.65	3,432
12"	72.59	383,297
16"	15.36	81,114
20"	11.04	58,293
24"	3.20	16,900
36"	4.99	26,363
TOTAL	**498.68**	**2,633,158**

5.2. System Characterization and Assessment

As stated earlier, the Superstition Division water systems have approximately 500 miles of water mains, some of which were installed as far back as 1917. Graph 5-4 and Table 5-2 show the length of water main in service in the Superstition Division by decade installed. This table also shows that there are over 100,000 LF of active water mains installed before 1950.

Graph 5-4 Miles of Water Mains in Service by Decade Installed - Superstition Division

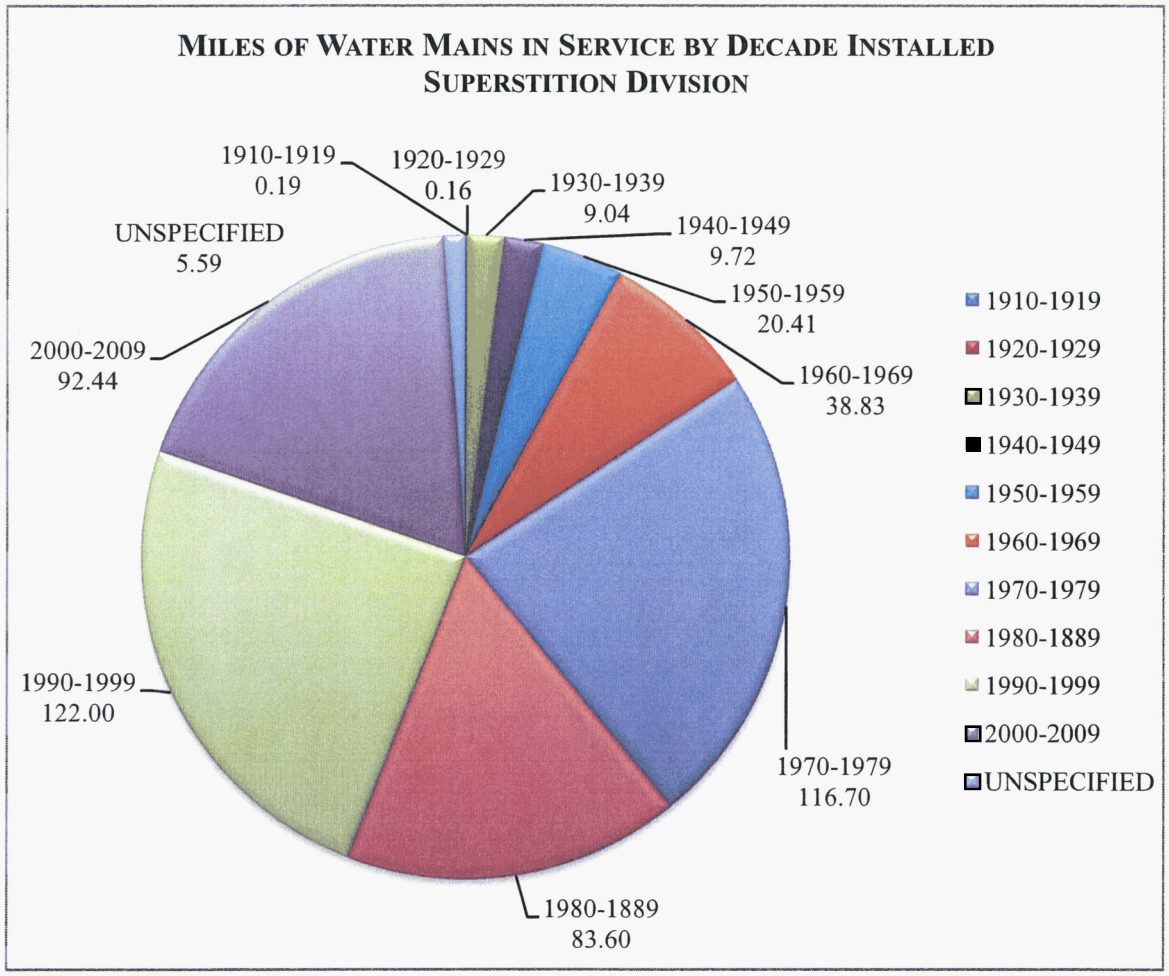


Table 5-2 Miles and Linear Feet in Service by Decade Installed - Superstition Division

MILES AND LINEAR FEET OF WATER MAINS IN SERVICE BY DECADE INSTALLED SUPERSTITION DIVISION		
DECADE WATER MAINS INSTALLED	**MILES OF WATER MAINS**	**LF OF MAINS**
1910-1919	0.19	1,011
1920-1929	0.16	860
1930-1939	9.04	47,743
1940-1949	9.72	51,333
1950-1959	20.41	107,780
1960-1969	38.83	205,024
1970-1979	116.70	616,198
1980-1889	83.60	441,405
1990-1999	122.00	644,179
2000-2009	92.44	488,086
UNSPECIFIED	5.59	29,539
TOTAL	**498.68**	**2,633,158**

5.2.1. Average Age of Water Mains

The Company's installation records for its Superstition Division show that the GS and ST water mains were installed beginning in the 1910s and the CA and CI water mains were installed beginning in the 1930s. These water main material types make up 50 percent of the Superstition Division, as shown in Graph 5-5 and Table 5-3, and some have been in service for over 80 years. The number of leaks has been increasing, according to the Company's records, showing that the older water mains have reached the end of their useful life and now require replacement.

Graph 5-5 Breakdown of Water Mains in Service by Material Type - Superstition Division

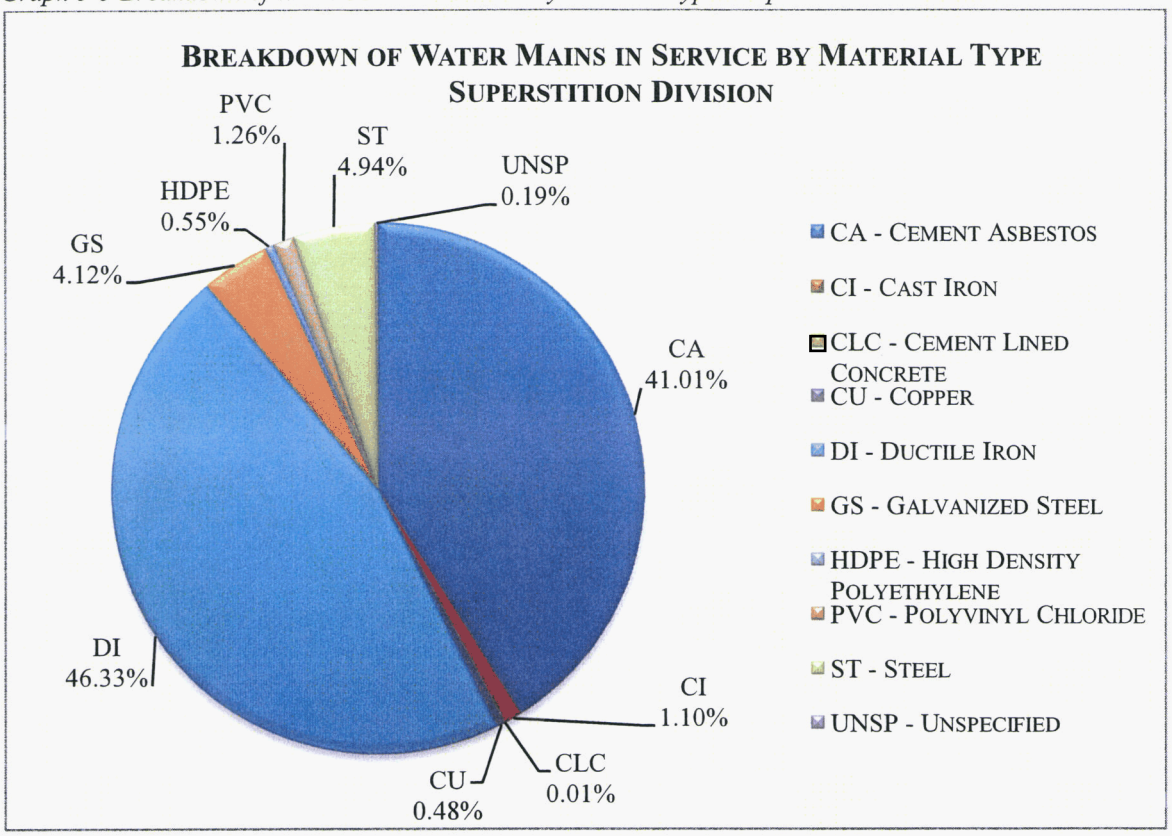
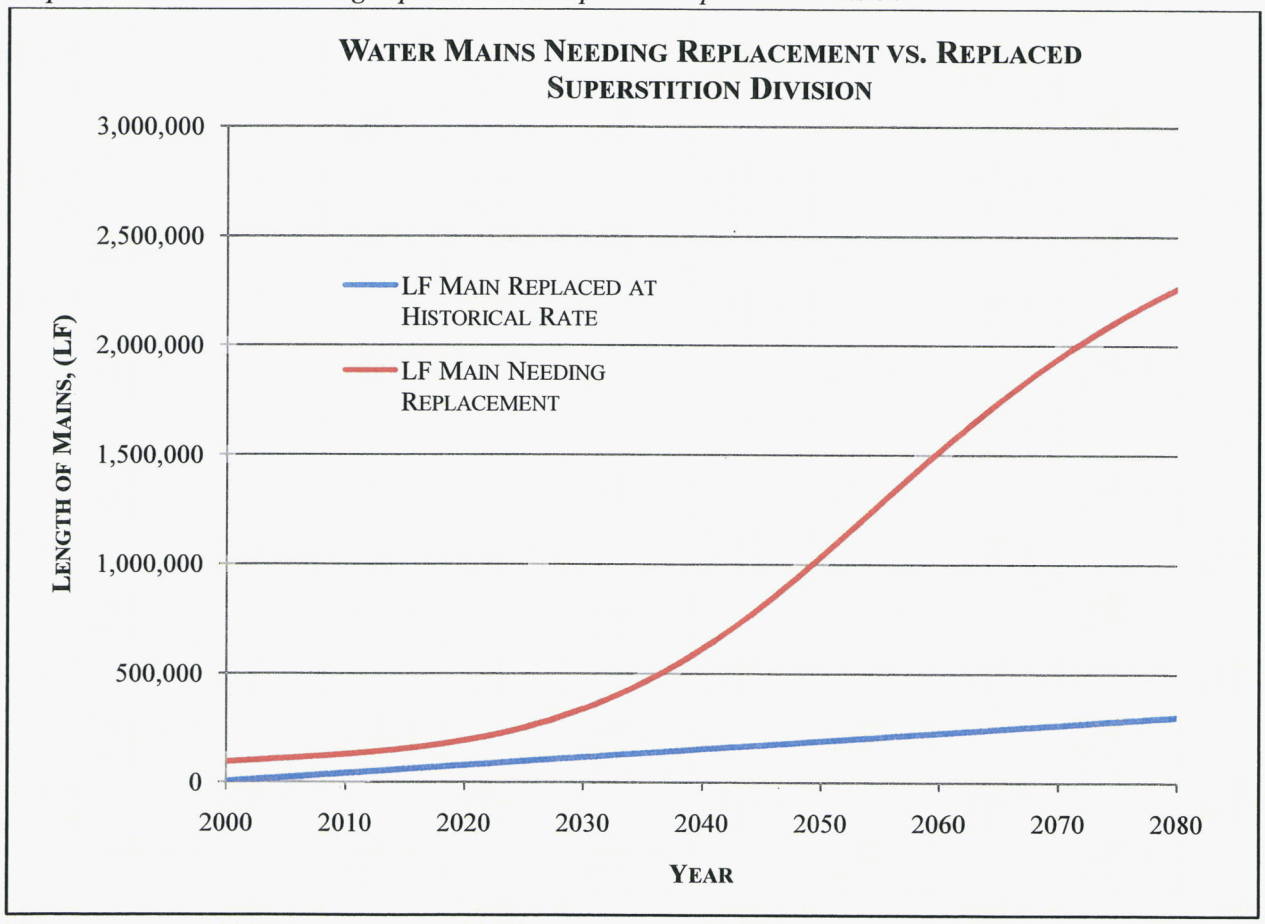


Table 5-3 Breakdown and Linear Feet of Water Mains in Service by Material Type - Superstition Division

BREAKDOWN AND LINEAR FEET OF WATER MAINS IN SERVICE BY MATERIAL TYPE SUPERSTITION DIVISION		
MATERIAL TYPE	**PERCENTAGE OF WATER MAINS**	**LF OF WATER MAINS**
CA - CEMENT ASBESTOS	41.01%	1,079,968
CI - CAST IRON	1.10%	28,964
CLC - CEMENT LINED CONCRETE	0.01%	316
CU - COPPER	0.48%	12,711
DI - DUCTILE IRON	46.33%	1,219,909
GS - GALVANIZED STEEL	4.12%	108,426
HDPE - HIGH DENSITY POLYETHYLENE	0.55%	14,480
PVC - POLYVINYL CHLORIDE	1.26%	33,171
ST - STEEL	4.94%	130,182
UNSP - UNSPECIFIED	0.19%	5,031
TOTAL	**100%**	**2,633,158**

The Nessie Curve analysis is a predictive method to graph annual replacement needs based on the date of water main installations and their expected useful life. The Nessie Curve shows the original water main installation pattern for the Superstition Division. That pattern is similar to the graph of demographics that predicts future liabilities for the Social Security Trust Fund (Cromwell et al. 2001). By modeling the installation pattern and the useful life expectancy of water mains, the Company has estimated the timing and magnitude of the investment needed to fund these replacements. The analysis shows that approximately 160,000 LF of water main or approximately six percent of the Superstition Division needs to be replaced, including 4,250 plastic service lines and another 2,350 GS service lines over the next 10 years, at an estimated cost of $41.6 million in today's dollars, as detailed in Appendix 9.5.1. This analysis is based on the Company's review of the documented water main and service line repair history summarized in Appendix 9.1.1. Graph 5-6 shows the predicted water main replacements needed versus historical replacement rates in the Superstition Division, based on the Nessie Curve analysis and various other water industry studies, some of which are listed in this section.

Graph 5-6 Water Mains Needing Replacement vs. Replaced - Superstition Division



Graph 5-6 shows a growing need to replace water mains. The historical replacement rate of water mains from 2000 - 2009 is approximately 4,100 LF per year and is the starting point for the graph. Graph 5-6 shows that the current replacements needed are approximately three times greater than the current rate of replacement. Each year, replacement costs and the quantity of aging and failing water mains and service lines are escalating, making it increasingly more difficult to replace such aging mains and services.

5.2.2. Break and Repair History

Approximately 2,800 leaks and breaks have been recorded, mostly since 2005, in the Superstition Division. Leaks, repairs and replacement histories are listed in Appendix 9.1.1. Data collected included the date and location of the leak, as well as the source of the information. This data was gathered from the Company's records, which include Water Loss Control forms, Work Orders, Blue Stake Records, repair records noted on the Company's water system maps, Company databases, Property Disposal records, and Company employee notes. Per Graph 5-7, the number of leaks and breaks per year has been increasing, showing a deterioration of water mains and service lines, as well as a higher probability of future water main and service line leaks and breaks in the Superstition Division.

Graph 5-7 Water Leaks by Type and Year - Superstition Division

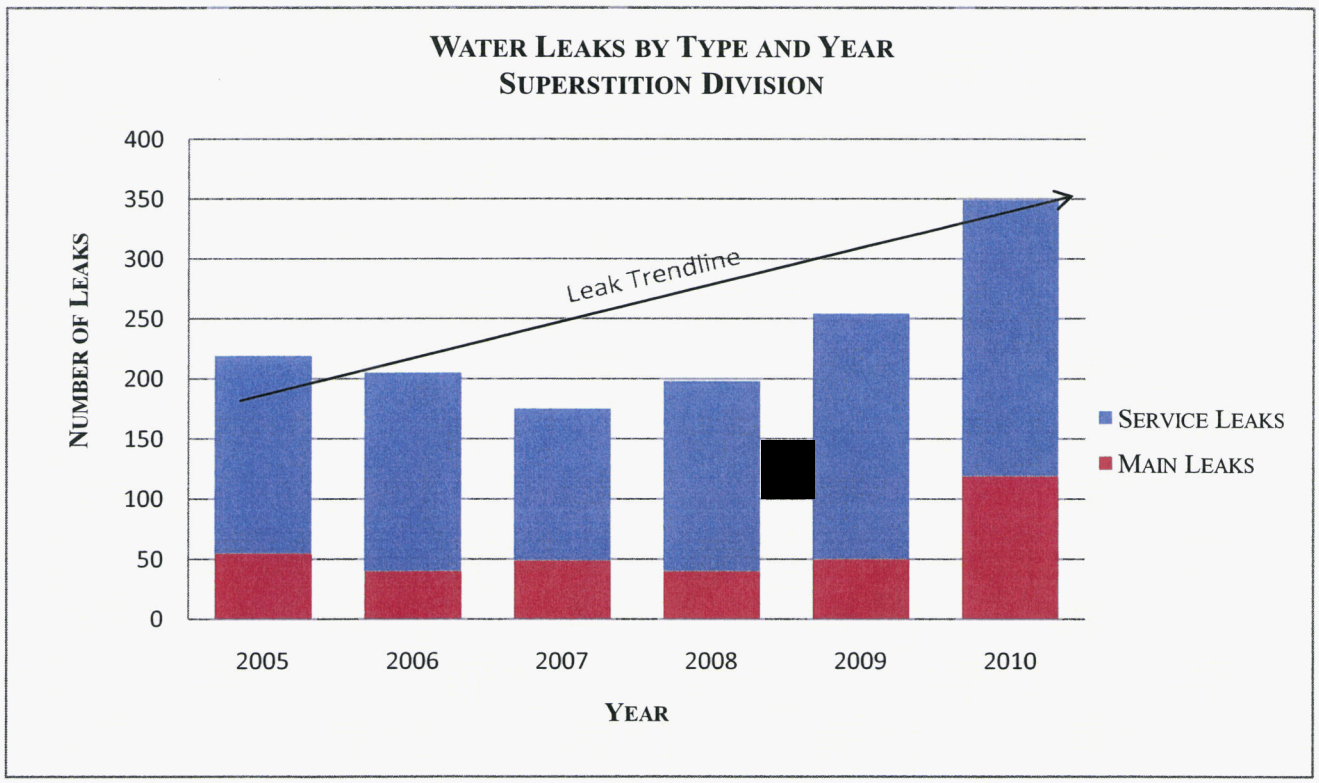


Table 5-4 Water Leaks by Type and Year - Superstition Division

WATER LEAKS BY TYPE AND YEAR SUPERSTITION DIVISION		
YEAR	**MAIN LEAKS**	**SERVICE LEAKS**
2004 AND EARLIER	256	1157
2005	55	164
2006	40	165
2007	49	126
2008	40	158
2009	50	204
2010	119	230
TOTAL	**609**	**2204**

In 2010, there were 349 recorded leaks or breaks, or more than one leak or break per work day. Additionally, as also shown in Table 5-4, the number of recorded water main breaks alone has increased in recent years, reaching almost 120 water main breaks in 2010. According to the EPA, there are more than 240,000 water main breaks per year or 650 water main breaks per day in the United States (AWI 2009). Information on water main and service line leaks, breaks, repairs, and replacements was used in this report to assess the condition of infrastructure. Graph 5-7 shows an upward trend in water main leaks and breaks from 2005 through 2010. Water main and service line leaks and breaks are commonly located under asphalt or sidewalks, which adds difficulty to locating the leak, as well as increasing the cost of repairs or replacements. In addition, traffic control is often required to redirect vehicular and pedestrian traffic around the affected areas, to provide sufficient work area for employees and equipment to excavate, stockpile materials, locate, and repair the leak or break. These are just some of the challenges the Company faces in making timely repairs and replacements of failed infrastructure in order to reduce water losses. The cost to repair a leak or replace a section of pipe can be significant, so it is important to address the causes of this increase in water main and service line leaks and breaks.

Graph 5-7 shows signs of a deteriorating distribution system in the Superstition Division. An EPA research program titled "Aging Water Infrastructure Research Program" supports this finding. The EPA program concluded that the number of water main breaks increases substantially as water mains near the end of their useful service life (AWI 2009). Water main and service line leaks and breaks in the Superstition Division have been plotted on a series of maps that can be found in Appendix 9.2.1. Water main repairs are indicated by a water drop with an "M" inside, while service line repairs are indicated by a water drop with an "S" inside, and water drops with "F" inside indicate a fitting leak. The maps are also color-coded based on the installation year of the water main. (Refer to the map legends for details.)

5.3. Water Losses

The Company calculates and reports water losses for the Apache Junction and Superior water systems each year in accordance with Arizona Department of Water Resources ("ADWR") reporting requirements in ADWR's Third Management Plan for the Phoenix Active Management Area. The Company files an annual report with ADWR for its Miami water system, stating how much water was produced and delivered during each calendar year.

For the Third Management Plan period, ADWR provides that certain non-billable uses are excluded from the water loss calculation. The categories of non-billable uses are summarized in Section 5.7.6.2 of the Third Management Plan titled "Distribution System Requirements" and are also listed in detail in Appendix 5-M of the Third Management Plan. Non-billable uses include water delivered for fire flows, distribution system flushing, tank overflows, well flushing, and water necessary for efficient pump operation. Water losses are calculated by subtracting both billable and non-billable deliveries and uses from the amount of water produced, and are usually reported as a percentage of the total amount of water produced. Pertinent excerpts from the ADWR Third Management Plan related to water losses are included in Appendix 9.3.

Water losses can be grouped into two broad categories: real and apparent. Real losses are the actual physical losses of water from the distribution system caused by leaks and breaks. Apparent losses are accounting losses that occur due to meter inaccuracies, data handling errors, and unauthorized uses. Real losses can be reduced by timely repairs of leaks and breaks, a comprehensive leak detection program, and the replacement of aging infrastructure. Apparent losses can be accounted for and reduced by comprehensive record keeping, the implementation of a meter maintenance program and meter selection review, as well as implementing procedures to deter or prevent water theft.

Water Losses for the Miami water system, which currently exceed 10 percent, are shown in Table 5-5 and Graph 5-8.

Graph 5-8 Water Losses by Year - Miami water system

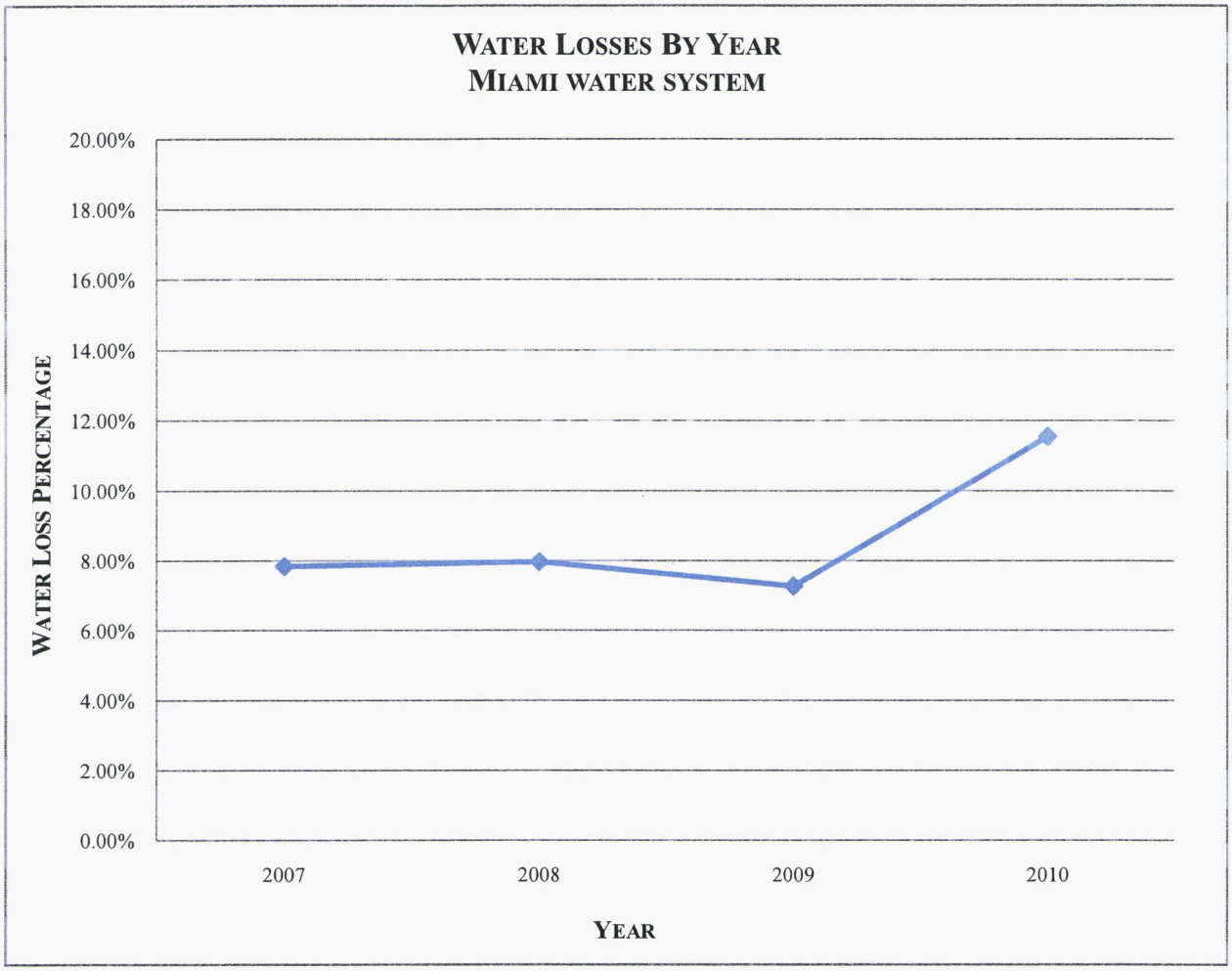


Table 5-5 Water Losses by Year - Miami water system

WATER LOSSES BY YEAR MIAMI WATER SYSTEM				
(THOUSANDS OF GALLONS)				
YEAR	PRODUCTION	BILLABLE DELIVERIES	NON-BILLABLE DELIVERIES	PERCENTAGE WATER LOSS
2007	333,765.0	306,175.7	1,460.0	7.83%
2008	319,058.3	292,770.4	871.0	7.97%
2009	320,319.2	296,462.5	595.0	7.26%
2010	304,361.3	267,219.6	2,013.7	11.54%

Water losses in the Apache Junction water system have approached, but are currently below, 10 percent and water losses in the Superior water system have exceeded 10 percent in recent years, but are currently below 10 percent, as shown in Graph 5-9 and Table 5-6.

Graph 5-9 Water Losses by Year - Superior water system

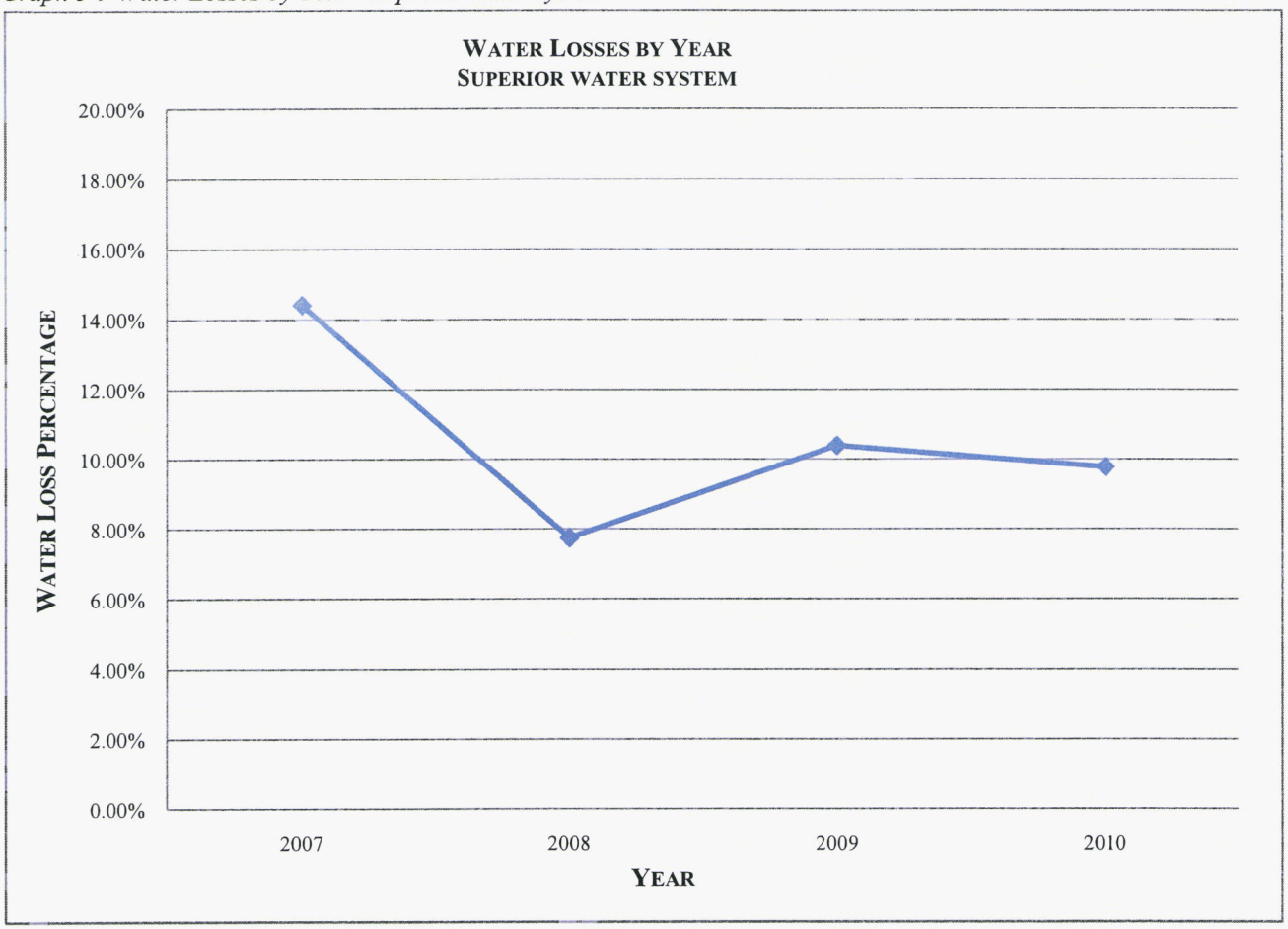
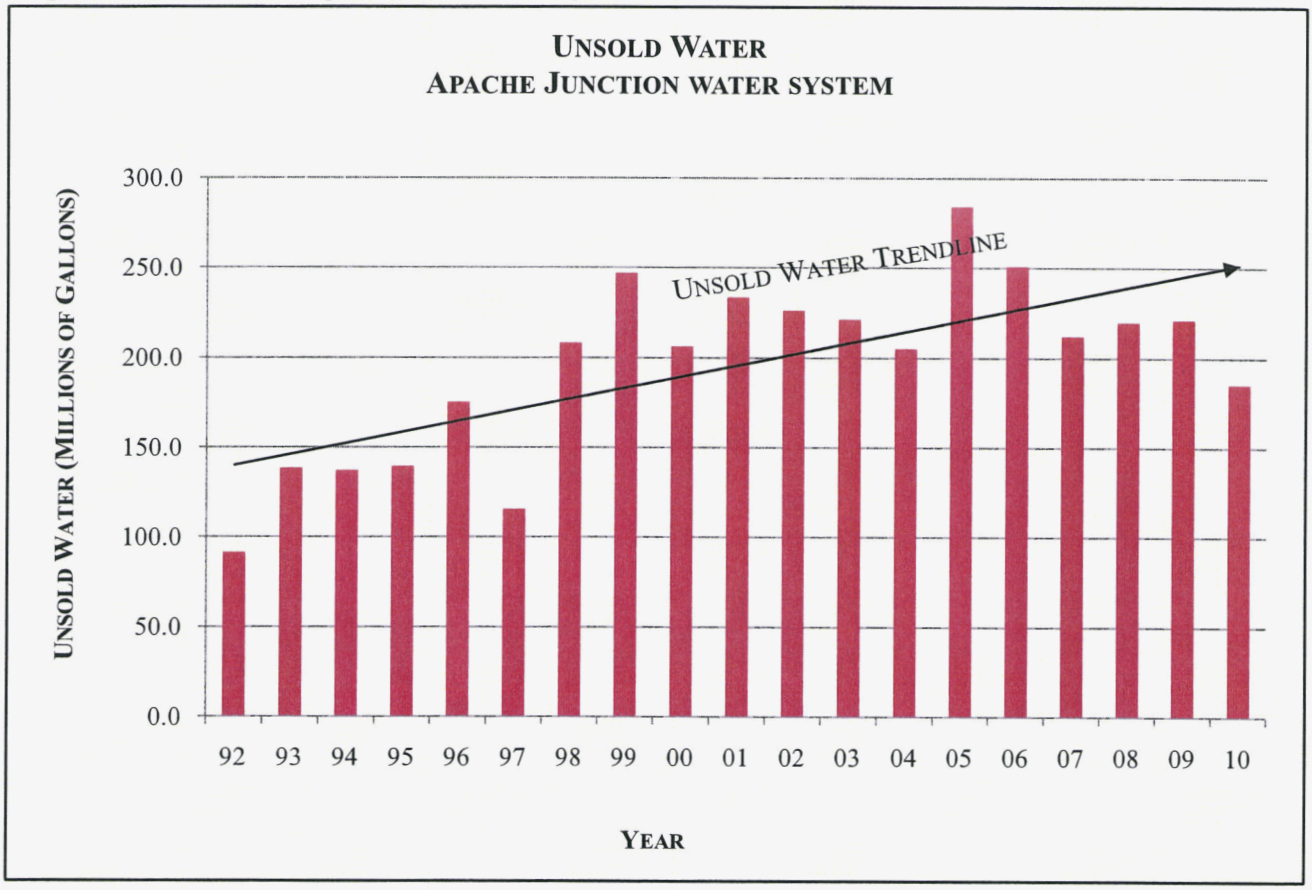


Table 5-6 Water Losses by Year - Superior water system

WATER LOSSES BY YEAR SUPERIOR WATER SYSTEM (THOUSANDS OF GALLONS)				
YEAR	PRODUCTION	BILLABLE DELIVERIES	NON-BILLABLE DELIVERIES	PERCENTAGE WATER LOSS
2007	183,719.0	154,735.4	28,983.6	14.40%
2008	175,581.0	157,856.8	17,724.2	7.74%
2009	146,810.0	127,564.9	19,245.1	10.39%
2010	140,925.0	124,196.2	16,728.8	9.77%

Although water losses for the Apache Junction water system are currently less than 10 percent, water losses have been increasing in volume. As shown in Graph 5-10, volumes of unsold water, which tracks closely with the water losses for the Apache Junction water system, have increased since 1992. However, because of the overall increase in the number of customers and individual customer demand, the percentage of water losses has not exceeded 10 percent. Representing 10,500 new service connections, the tremendous customer growth between 1995 and 2005 has caused overall water sales to double during this time period, offsetting and driving down the percentage of water losses.

Graph 5-10 Unsold Water - Apache Junction water system



5.4. Recommendations

5.4.1. Areas Where Replacement of Aging Infrastructure is Needed

The Company's field employees reported that approximately 2,800 leaks were located and repaired in recent years, as discussed in detail within Section 5.2.2.

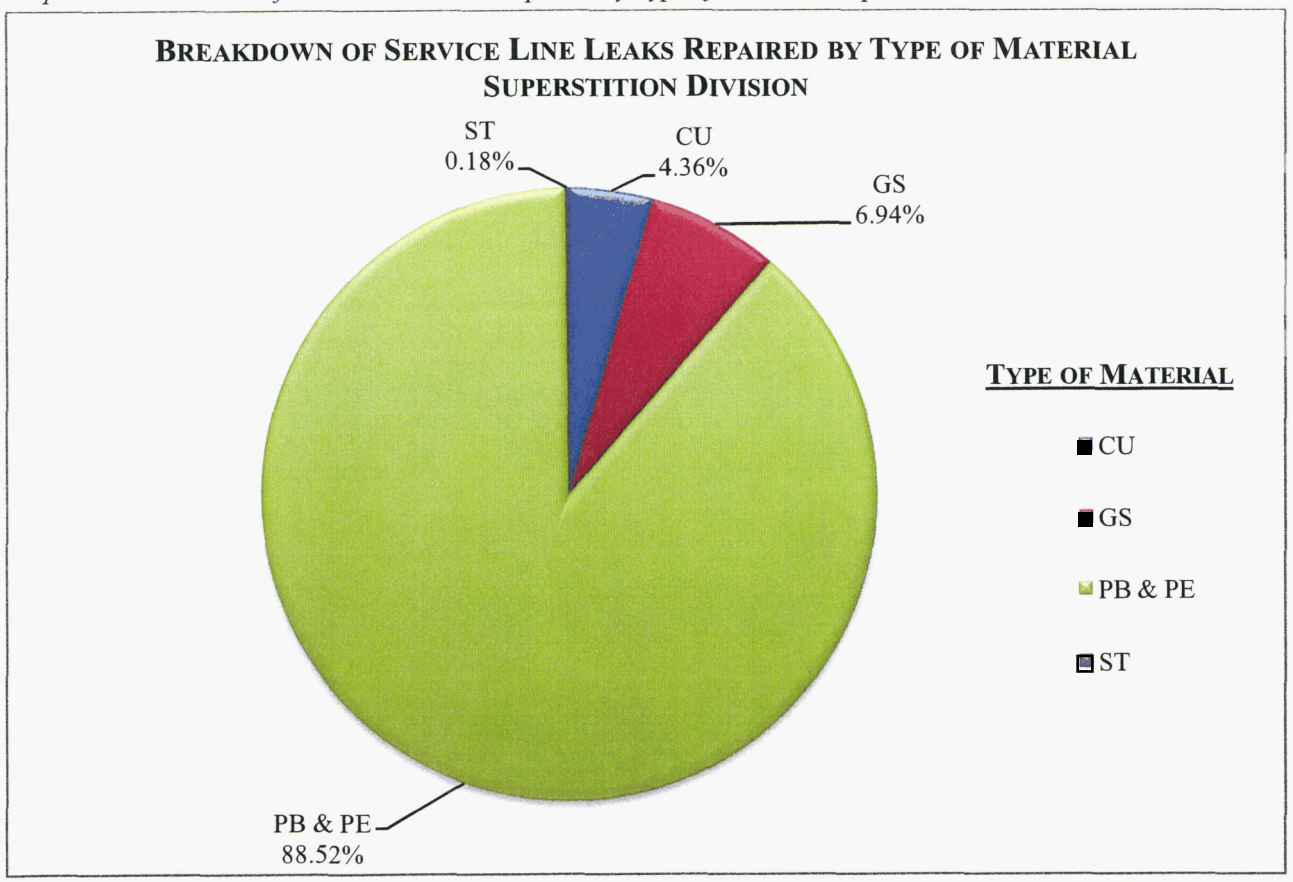
Appendix 9.1.1 lists all recorded leaks and breaks which provides more detailed information, including:

1. Location of the leak;
2. Date of leak;
3. Type of leak (i.e. water main or service line); and
4. Repair vs. replacement.

The maps included in Appendix 9.2.1, show the location (by section, township, and range) within the Company's Superstition Division where extensive leaks (greater than 20 per section) were found. On this map, each section has different color and cross-hatching to distinguish between the following areas:

1. Areas with more than 20 reported leaks repaired since 2000;
2. Areas with water mains installed prior to 1960; and
3. Areas evaluated for replacement projects.

Graph 5-11 Breakdown of Service Line Leaks Repaired by Type of Material - Superstition Division



Approximately 89 percent of the service line leaks that were repaired, as shown in Graph 5-11, were related to failing PB and PE service lines, most of which were installed on CA water mains.

Where reports on service line leaks did not note the material type of the failed service line, the majority were found to be tapped onto water mains installed during the 1970s, when, as mentioned earlier, PB and PE water service lines were typically installed in the Superstition Division. The failure of PB and PE water service lines has been a growing problem in the Superstition Division, as well as the Company's other systems. Based on documented failures of PB and PE service lines, the Company has determined that a more aggressive PB and PE service replacement program is needed in the Superstition Division's water systems. Proposed projects to address failing service lines are discussed in Section 5.4.2.

A majority of the failed water mains are small-diameter GS pipes that were installed between the 1910s and the 1950s. Based on the types of leaks reported, the Company needs to replace these GS pipes. Proposed projects to address failing GS and other types of water mains are further addressed in Section 5.4.2.

Water main and service line replacements proposed for the Superstition Division were prioritized, based on the areas with the highest number and frequency of leaks and breaks. Table 5-7 shows the geographic areas of the distribution system with the largest number of recorded leaks.

Table 5-7 Largest Number of Leaks by Geographic Area - Superstition Division

LARGEST NUMBER OF LEAKS BY GEOGRAPHIC AREA SUPERSTITION DIVISION				
AREA	MAP	MAIN LEAKS	SERVICE LEAKS	TOTAL LEAKS
Central Heights	MI-5	51	170	221
Downtown Miami	MI-7	59	160	219
Downtown Superior	SU-4	36	127	163
Downtown Apache Junction	AJ-17	12	136	148
Gold Canyon	AJ-21	2	130	132
Downtown Apache Junction	AJ-12	43	84	127
Downtown Miami	MI-8	38	78	116
Downtown Superior	SU-1	34	84	118
Downtown Apache Junction	AJ-11	20	92	112
Pinal County	AJ-14	15	96	111
Old Town Apache Junction	AJ-8	10	93	103

The Miami water system has the highest number of reported leaks per square mile in the Superstition Division. This water system will require a greater level of water main and service line replacements. The first areas to be addressed correspond to Maps MI-5, MI-7, and MI-8 in Appendix 9.4.1. The majority of water mains in these areas are GS water mains installed from the 1930s through the 1950s. There have been more than 550 repairs recorded in these areas in the last five years alone. Because both water main and service line leaks and breaks are highest in these areas, the replacement program proposes to replace both water mains and service lines. Replacement projects for the Central Heights and Downtown Miami areas are listed in Section 5.4.2.

The second water system to be addressed is the Superior water system, with problem areas to be addressed corresponding to Maps SU-4 and SU-1 in Appendix 9.4.1. This system has some of the oldest water mains still in service in the Superstition Division. The majority of the failing water mains in the Superior water system are CI and GS, which were installed in the 1910s. CI and GS water mains have had frequent leaks and breaks showing signs of advanced corrosion and aging. The break and leak repair history for CI and GS water mains shows that these types of water mains have exceeded their useful life. Also, significant rust and scale build-up requires extraordinary volumes of flushing to maintain water quality. In addition to causing increased water losses, CI and GS water mains also do not provide sufficient fire flows, restricted, in large part, by rust and the presence of scale build-up. The CI and GS water mains in the Downtown Superior area are included in the proposed replacement projects listed in Section 5.4.2.

The third water system to be addressed is the Apache Junction water system, with targeted areas of replacement corresponding to Maps AJ-17, AJ-21, AJ-12, AJ-11, AJ-14, and AJ-8 in Appendix 9.4.1. Water mains and services in these areas were installed during the 1960s and 1970s. The break and repair history shows that there have been a significant number of service line leak repairs on PB and PE service lines in these areas. Most of the proposed projects for replacing service lines in these areas are listed in Section 5.4.2.

5.4.2. Three-Year Plan to Replace Aging Infrastructure

The Company determined that a water main and service line replacement program, as summarized in Table 5-8, is needed, based on analysis of the available data shown in Appendix 9.1.1.

Table 5-8 Summary of Three-Year Plan to Replace Aging Infrastructure - Superstition Division

PROJECT NUMBER	STREET NAME	NEW PIPE LENGTH (LF)	NEW PIPE DIAMETER (IN)	NEW PIPE MATERIAL	# OF SERVICES TO BE REPLACED	REPLACED PIPE DIAMETER (IN)	REPLACED PIPE MATERIAL	RECORDED FITTING LEAKS	RECORDED MAIN LEAKS	RECORDED SERVICE LEAKS	TOTAL LEAKS	ESTIMATED TOTAL COST
1	PERALTA ESTATES UNIT 2				126			0	0	25	25	$523,827
2	BOISE STREET & AVALON	1,350	6	DI	88	4	CA	1	0	21	22	$544,964
3	114TH STREET	650	6	DI	102			1	3	18	22	$432,978
4	DELAWARE DRIVE				87			0	0	22	22	$346,461
5	GLOBE AVENUE				10			0	0	22	22	$42,274
6	GREASEWOOD DRIVE				25			1	0	19	20	$102,008
7	CHISOLM AVENUE				22			0	0	20	20	$92,818
8	RANCH ROAD	600	6	DI		2	PVC	0	18	2	20	$57,240
9	HIDALGO STREET	4,700	6	DI	32	1, 1.5, 2	GS	1	12	6	19	$563,475
10	SUGAR CREEK DRIVE				46			0	0	19	19	$191,151
11	PINYON DRIVE				101			0	0	18	18	$416,305
12	PERALTA ESTATES				44			0	0	17	17	$182,880
13	RUSSELL AVENUE	1,050	6	DI	23			0	0	17	17	$190,232
14	COPPER DRIVE				121			0	1	15	16	$509,123
15	MCKINNEY AVENUE				18			0	0	16	16	$74,439
16	MONROE STREET	250	6	DI	6	2	PVC, GS	0	12	4	16	$46,212
17	SLEEPY HOLLOW & LAZY				25			0	0	15	15	$102,927
18	HIDEAWAY LANE				21			0	0	14	14	$84,548
19	STONE AVENUE	1,350	6	DI	25	2, 4	CI, CA	0	2	12	14	$222,528
20	CENTRAL AVENUE	550	6	DI	25	6	ST	0	1	13	14	$154,785
21	ORPHAN STREET	1,700	6	DI	33	1, 2	CA, GS	0	4	10	14	$280,425
22	FREDRIC STREET	2,750	6	DI	53	2, 4	GS, CA	0	10	3	13	$464,224
23	GLENDALE AVENUE				17			0	1	12	13	$69,844
24	STORY STREET	600	6	DI	11			0	0	12	12	$98,595
25	MOUNTAIN ROAD				48			0	0	11	11	$193,908
26	YOUNG STREET	800	6	DI	17	1,2	ST, CU, PVC	0	9	2	11	$138,506
27	EMERALD DRIVE	500	6	DI	8	2	ST	0	10	0	10	$78,640
28	SLEEPY HOLLOW TRAIL				30			0	0	10	10	$121,307
29	WASHBORN ROAD	1,600	6	DI		6	HDPE	0	9	0	9	$142,838
30	LOOMIS AVENUE	500	6	DI	5	1	GS	0	9	0	9	$63,017
31	HUMMINGBIRD LANE				14			0	0	7	7	$57,897
32	BROADWAY AVENUE	600	6	DI	3	6	CA	0	7	0	7	$67,349
33	BOISE STREET	1,400	6	DI	13	2	PVC	0	7	0	7	$176,447
34	HILL STREET				28			0	0	7	7	$114,874
35	ALHAMBRA WAY				14			0	0	6	6	$57,897
36	GARROT AVENUE	1,250	6	DI	31	1,2,6	CA,CU	0	0	6	6	$278,915
											Total	**$7,285,858**

Project 1

Replace 126 service connections in Peralta Estates Unit Two. The existing water mains have 25 recorded service line leaks. The cost to complete this project is estimated to be $523,827. See Appendix 9.4.1 for the map depicting the project limits and the detailed cost estimate.

Project 2

Install approximately 1,350 LF of 6-inch DI replacement pipe with polywrap and replace 87 service connections between Boise Street and Avalon Street. This project will replace approximately 800 LF of 4-inch CA water main installed in 1970 in an alley between 113th Way and 114th Street. The existing 4-inch CA water main has 21 recorded service line leaks and 1 fitting leak. The cost to complete this project is estimated to be $544,964. See Appendix 9.4.1 for the map depicting the project limits and the detailed cost estimate.

Project 3

Install approximately 650 LF of 6-inch DI replacement pipe with polywrap and replace 102 service connections between 114th Street and Meridian Road. The existing water mains have 18 recorded service line leaks, 3 water main leaks, and 1 fitting leak. The cost to complete this project is estimated to be $432,978. See Appendix 9.4.1 for the map depicting the project limits and the detailed cost estimate.

Project 4

Replace 87 service connections along Delaware and Lawther Drives. The existing water mains have 22 recorded service line leaks. The cost to complete this project is estimated to be $346,461. See Appendix 9.4.1 for the map depicting the project limits and the detailed cost estimate.

Project 5

Replace 10 service connections along Globe Avenue. The existing water main has 22 recorded service line leaks. The cost to complete this project is estimated to be $42,274. See Appendix 9.4.1 for the map depicting the project limits and the detailed cost estimate.

Project 6

Replace 25 service connections along Greasewood Drive and Escondido Court. The existing water main has 19 recorded service line leaks and 1 fitting leak. The cost to complete this project is estimated to be $102,008. See Appendix 9.4.1 for the map depicting the project limits and the detailed cost estimate.

Project 7

Replace 22 service connections along Chisolm Avenue. The existing water main has 20 recorded service line leaks. The cost to complete this project is estimated to be $92,818. See Appendix 9.4.1 for the map depicting the project limits and the detailed cost estimate.

Project 8

Install approximately 600 LF of 6-inch DI replacement pipe with polywrap and replace 1 service connection along Ranch Road. This project will replace approximately 600 LF of 2-inch

PVC water main installed in 1984 on Ranch Road. The existing water main to be replaced has 2 recorded service line leaks and 18 water main leaks. The cost to complete this project is estimated to be $57,240. See Appendix 9.4.1 for the map depicting the project limits and the detailed cost estimate.

Project 9

Install approximately 4,700 LF of 6-inch DI replacement pipe with polywrap and replace 32 service connections along Hidalgo Street and Concho Street. This project will replace approximately 2,950 LF of 1.5-inch and 2-inch GS water main installed in 1959 and 1960 along Hidalgo Street and will also replace approximately 2,350 LF of 1-inch and 2-inch GS water main installed in 1960 along Concho Street. These existing water mains have 6 recorded service line leaks, 12 water main leaks, and 1 fitting leak. The cost to complete this project is estimated to be $563,475. See Appendix 9.4.1 for the map depicting the project limits and the detailed cost estimate.

Project 10

Replace 47 service connections along Sugar Creek Drive, Pleasant Place and Breathless Drive. The existing water mains have 19 recorded service line leaks. The cost to complete this project is estimated to be $191,151. See Appendix 9.4.1 for the map depicting the project limits and the detailed cost estimate.

Project 11

Replace 101 service connections along Pinyon Drive and Virginia, Scenic, Cactus Wren, and Gregory Streets. The existing water mains have 18 recorded service line leaks. The cost to complete this project is estimated to be $416,305. See Appendix 9.4.1 for the map depicting the project limits and the detailed cost estimate.

Project 12

Replace 44 service connections in Peralta Estates Unit Two. The existing water main has 17 recorded service line leaks. The cost to complete this project is estimated to be $182,880. See Appendix 9.4.1 for the map depicting the project limits and the detailed cost estimate.

Project 13

Install approximately 1,050 LF of 6-inch DI replacement pipe with polywrap and replace 23 service connections along Snedden Avenue east of Russell Avenue. This project will replace approximately 650 LF of 2-inch CA water main installed in 1949, approximately 200 LF of 1-inch GS water main installed in 1950, and approximately 200 LF of 3-inch CA water main installed in 1965. The existing water mains to be replaced have 17 recorded service line leaks. The cost to complete this project is estimated to be $190,232. See Appendix 9.4.1 for the map depicting the project limits and the detailed cost estimate.

Project 14

Replace 17 service connections along Glendale Avenue from Braley Street to Hill Street. The existing water main has 12 recorded service line leaks and 1 water main leak. The cost to complete this project is estimated to be $69,844. See Appendix 9.4.1 for the map depicting the project limits and the detailed cost estimate.

Project 15

Replace 18 service connections along McKinney Avenue from Braley Street to Hill Street. The existing water main has 16 recorded service line leaks. The cost to complete this project is estimated to be $74,439. See Appendix 9.4.1 for the map depicting the project limits and the detailed cost estimate.

Project 16

Install approximately 250 LF of 6-inch DI replacement pipe with polywrap and replace 6 service connections along Monroe Street from Miami Street to Marion Street. This project will replace approximately 400 LF of 2-inch PVC water main installed in 1976 and 2-inch GS water main installed in 1936 on Monroe Street. The existing water mains to be replaced have 4 recorded service line leaks and 12 water main leaks. The cost to complete this project is estimated to be $46,212. See Appendix 9.4.1 for the map depicting the project limits and the detailed cost estimate.

Project 17

Replace 25 service connections along Sleepy Hollow Trail and Lazy Lane. The existing water mains have 15 recorded service line leaks. The cost to complete this project is estimated to be $102,927. See Appendix 9.4.1 for the map depicting the project limits and the detailed cost estimate.

Project 18

Replace 21 service connections along Hideaway Lane, Lazy Lane, and Breathless Drive. The existing water mains have 14 recorded service line leaks. The cost to complete this project is estimated to be $84,548. See Appendix 9.4.1 for the map depicting the project limits and the detailed cost estimate.

Project 19

Install approximately 1,350 LF of 6-inch DI replacement pipe with polywrap and replace 25 service connections along Stone Avenue from Kiser Street to Mofatt Street. This project will replace approximately 950 LF of 4-inch CI water main installed in 1937 along Stone Avenue and approximately 400 LF of 2-inch CA water main installed in 1942 along Kiser Street. The existing water mains to be replaced have 12 recorded service line leaks and 2 water main leaks. The cost to complete this project is estimated to be $222,528. See Appendix 9.4.1 for the map depicting the project limits and the detailed cost estimate.

Project 20

Install approximately 550 LF of 6-inch DI replacement pipe with polywrap and replace 25 service connections along Central Avenue from Braley Street to Monroe Street. This project will replace approximately 550 LF of 6-inch ST water main installed in 1955 on Central Avenue. The existing water mains to be replaced have 13 recorded service line leaks and 1 water main leak. The cost to complete this project is estimated to be $154,785. See Appendix 9.4.1 for the map depicting the project limits and the detailed cost estimate.

to be $138,506. See Appendix 9.4.1 for the map depicting the project limits and the detailed cost estimate.

Project 27

Replace 30 service connections along Sleepy Hollow Trail, Breathless Drive and Tum Tum Court. The existing water mains have 10 recorded service line leaks. The cost to complete this project is estimated to be $121,307. See Appendix 9.4.1 for the map depicting the project limits and the detailed cost estimate.

Project 28

Install approximately 500 LF of 6-inch DI replacement pipe with polywrap and replace 8 service connections along South Emerald Drive. This project will replace approximately 500 LF of 2-inch ST water main installed in 1955 along South Emerald Drive. The existing water main to be replaced has 10 recorded water main leaks. The cost to complete this project is estimated to be $78,640. See Appendix 9.4.1 for the map depicting the project limits and the detailed cost estimate.

Project 29

Install approximately 1,600 LF of 6-inch DI replacement pipe with polywrap along Washborn Road. This project will replace approximately 1,600 LF of 6-inch HDPE water main along Washborn Road. The existing water main to be replaced has 9 recorded water main leaks. The cost to complete this project is estimated to be $142,838. See Appendix 9.4.1 for the map depicting the project limits and the detailed cost estimate.

Project 30

Install approximately 500 LF of 6-inch DI replacement pipe with polywrap and replace 5 service connections east of Loomis Avenue. This project will replace approximately 500 LF of 1-inch GS water main installed in 1935 east of Loomis Avenue. The existing water main to be replaced has 9 recorded water main leaks. The cost to complete this project is estimated to be $63,017. See Appendix 9.4.1 for the map depicting the project limits and the detailed cost estimate.

Project 31

Replace 14 service connections along Hummingbird Lane. The existing water main has 7 recorded service line leaks. The cost to complete this project is estimated to be $57,897. See Appendix 9.4.1 for the map depicting the project limits and the detailed cost estimate.

Project 32

Replace 28 service connections along Hill Street from Church Avenue to Terrance Drive. The existing water main has 7 recorded service line leaks. The cost to complete this project is estimated to be $114,874. See Appendix 9.4.1 for the map depicting the project limits and the detailed cost estimate.

Project 33

Install approximately 600 LF of 6-inch DI replacement pipe with polywrap and replace 3 service connections along Broadway Avenue from Tomahawk Road to Vista Road. This project

will replace approximately 600 LF of 6-inch CA water main installed in 1960 and 1984 along Broadway Avenue. The existing water main to be replaced has 7 recorded water main leaks. The cost to complete this project is estimated to be $67,349. See Appendix 9.4.1 for the map depicting the project limits and the detailed cost estimate.

Project 34

Install approximately 1,400 LF of 6-inch DI replacement pipe with polywrap and replace 13 service connections along Boise Street and 105th Place. This project will replace approximately 1,100 LF of 2-inch PVC water main installed in 1966 along Boise Street and approximately 300 LF of 2-inch PVC water main installed in 1966 along 105th Place. The existing water mains to be replaced have 7 recorded water main leaks. The cost to complete this project is estimated to be $176,447. See Appendix 9.4.1 for the map depicting the project limits and the detailed cost estimate.

Project 35

Replace 14 service connections along Hummingbird Avenue and Alhambra Way. The existing water main has 6 recorded service line leaks. The cost to complete this project is estimated to be $57,897. See Appendix 9.4.1 for the map depicting the project limits and the detailed cost estimate.

Project 36

Install approximately 1,250 LF of 6-inch DI replacement pipe with polywrap and replace 31 service connections along Garrot Avenue and Stansberry Avenue. This project will replace approximately 650 LF of 2-inch CA water main installed in 1939 in the alley west of Garrot Avenue and approximately 600 LF of 6-inch CA water main installed in 1930 on Stansberry Avenue. The existing water mains to be replaced have 6 recorded service line leaks. The cost to complete this project is estimated to be $278,915. See Appendix 9.4.1 for the map depicting the project limits and the detailed cost estimate.

5.4.3. Conclusions

The Company's efforts to reduce water losses by locating and repairing leaks and breaks in the Superstition Division's three water systems are well-documented. The Company uses various types of leak detection equipment to effectively reduce water losses. However, many miles of water main are at or near the end of their useful service lives. In addition, PE, PB, and GS service lines are failing and need to be replaced. Detecting, locating and repairing leaks and breaks will continue to be a high priority for the Company's water system operators. Based on the historical rate of replacement, however, it will take nearly 640 years to replace the existing water distribution system infrastructure. This rate of replacement is too low, since the useful service life for water mains installed in the Superstition Division has already been reached or exceeded for some water mains and service lines. A more aggressive water distribution system replacement program is required to reduce water losses in the Superstition Division's three water systems.

The Company has identified the 11 most critical geographic areas where main or service line replacements are needed in the Superstition Division. 36 projects have been

identified in these critical areas that need to be completed to reduce water losses by replacing aging water mains and failing service lines over the next three years, to help comply with the Commission's directive in Decision No. 71845. The Company estimates the annual cost of this replacement program to be $2.4 million for the Superstition Division.

Within a month of Decision No. 71845, the Company began design and construction of three replacement projects in the Superstition Division, to reduce water losses as the Commission had directed. These projects included:

Project 1

Install approximately 1,645 LF of 8-inch pipe with polywrap along Live Oak Street (US 60) from Marion Street to New Street. This project will replace approximately 1,645 LF of 6-inch CA water main installed in 1953. The existing water main to be replaced has had nine leaks over the past six years alone. The cost to complete this project is estimated to be $156,984.

Project 2

Install a 12-inch in-line high pressure isolation valve for the Superior Transmission line. The existing valves installed in 1973 are no longer available, including spare parts. The cost to complete this project is estimated to be $21,620.

Project 3

Install approximately 270 8-inch pipe gaskets on the transmission water line from the Town Tank to the Queen Creek Tank. This project will replace the 8-inch pipe gaskets installed in 1973 and bury the water main. The existing water main to be repaired has had 28 leaks in the last year. The cost to complete this project is estimated to be $186,769.

Construction on these three projects has been completed.

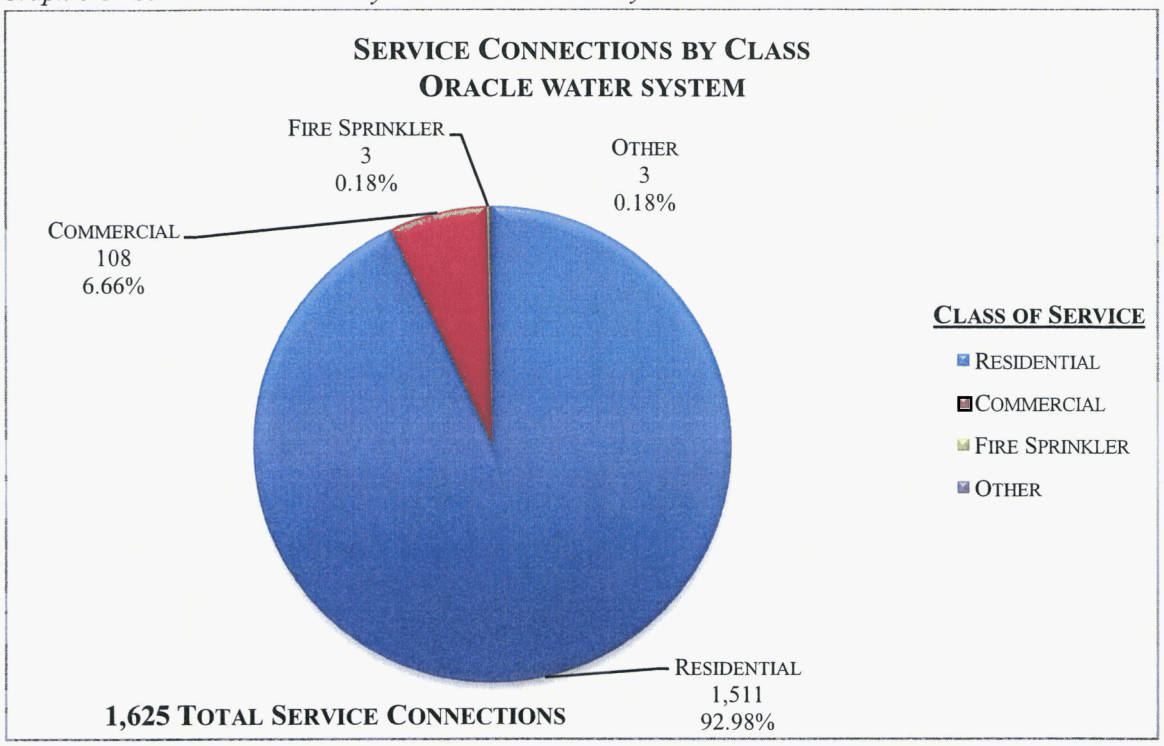
6.0 ORACLE WATER SYSTEM

6.1. Overview of the Existing Water System

6.1.1. Water System Background

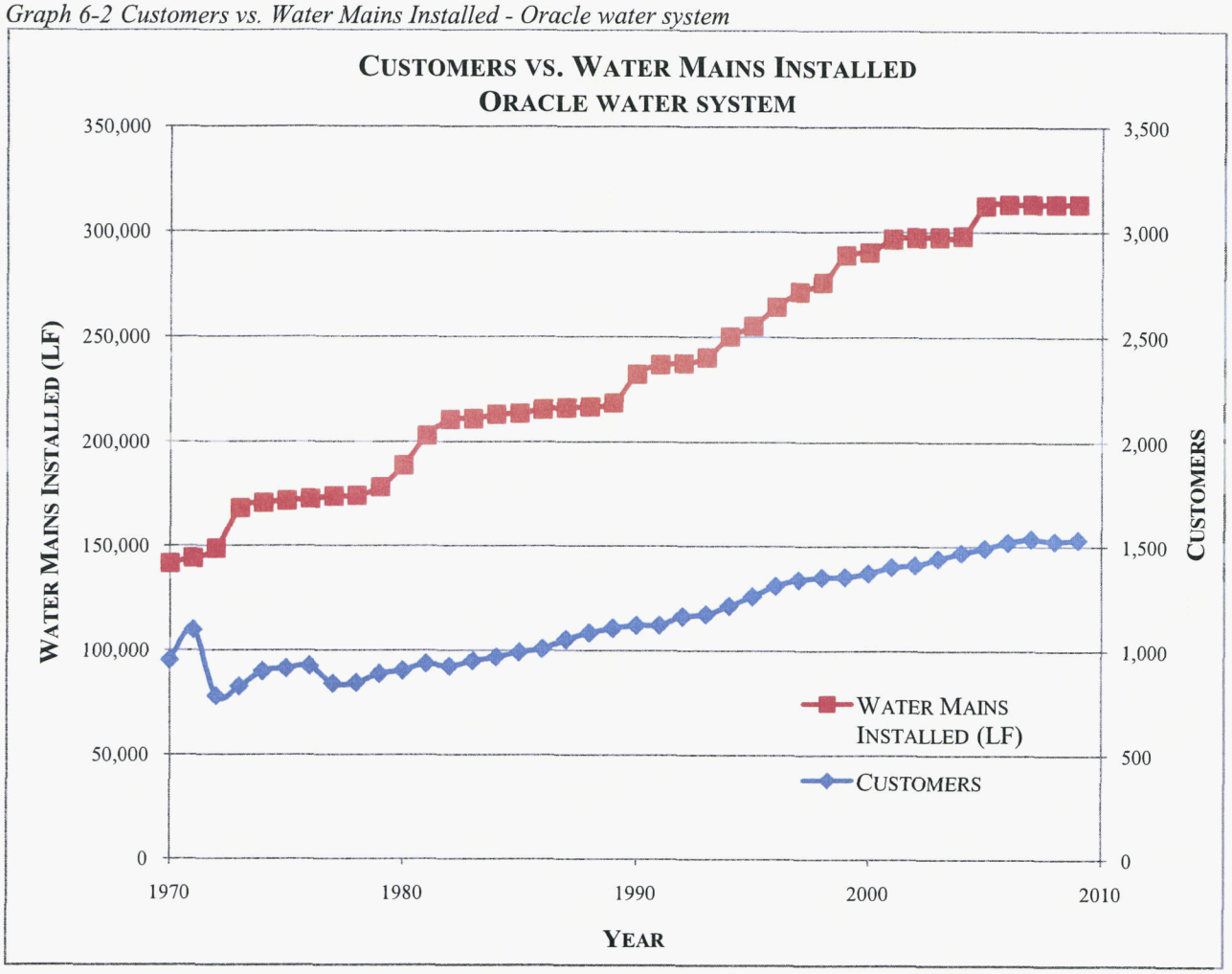
The Oracle water system encompasses the following three communities located in Pinal County: Oracle Junction, SaddleBrooke Ranch and Oracle. These three communities combined have more than 1,600 residential and commercial service connections. As shown in Graph 6-1, 90 percent of the service connections are residential 5/8 x 3/4-inch meters.

Graph 6-1 Service Connections by Class - Oracle water system



Unlike other water systems in the Company, the amount of water mains installed does not track customer growth in the Oracle water system. This is because the source of supply for the Oracle water system is located approximately seven miles from the majority of customers located in Oracle, which contributes to a higher than average amount of water mains per customer existing in this water system. Graph 6-2 shows the number of customers vs. the quantity of water mains installed over the past 40 years. This rural area also requires more water mains to be installed per customer, due to lower zoning densities and larger parcels.

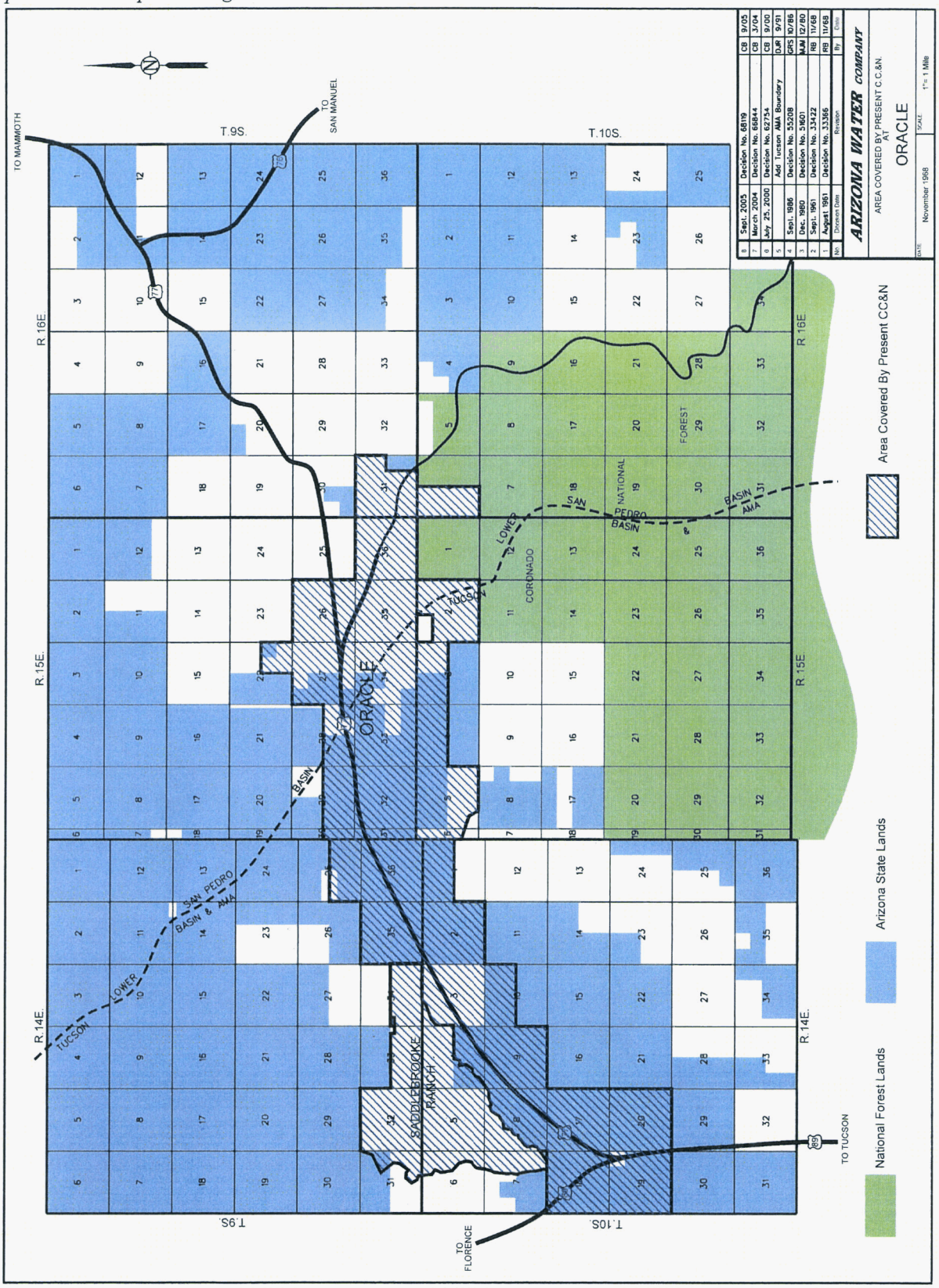
Graph 6-2 Customers vs. Water Mains Installed - Oracle water system



6.1.2. Certificate of Convenience and Necessity

The CCN covering Oracle and adjacent areas includes over 29 square miles located in southern Pinal County, as depicted in Map 6-1. The CCN area begins in Oracle Junction to the West, SaddleBrooke Ranch to the North, Arizona State Land and National Forest to the South, and ending in Oracle to the East.

Map 6-1 CCN Map Covering the Oracle area



6.1.3. Source of Supply

Oracle water system customers receive water from five wells that have a combined production capacity of over 3.1 MGD. Three of the wells are located in Oracle Junction and the other two are located in the SaddleBrooke Ranch development. The three wells located in Oracle Junction pump directly into a ground water storage tank located at Booster Station 2. Booster Station 3 receives water from Booster Station 2 and/or the two wells located in the SaddleBrooke Ranch development. Water is transmitted through three booster pump stations and seven miles of transmission line before it reaches the main water distribution system serving Oracle. The water system has over 1.5 million gallons of water storage capacity. Four booster pump stations and eight pressure zones serve the Oracle water system.

6.1.4. Distribution System

There are approximately 60 miles of water mains in the Oracle water system which are constructed from a variety of materials, such as CA, CU, DI, GS, PVC, and ST. There are more than 1,600 water service connections which are comprised primarily of CU, DI, PB and PE.

Water mains vary in size from less than 2 inches up to 12 inches in diameter. Graph 6-3 and Table 6-1 show the length of water mains in service by diameter. There are over seven miles of 12-inch DI pipe that transmit water from the booster pump stations to the gravity storage tanks. Almost 40 percent of the existing water mains are 4-inch and smaller in diameter. In accordance with the Company's Terms and Conditions for the Provisions of Water Service, Tariff TC-243, the Company's current design standards require new water mains to be no smaller than 6 inches in diameter.

Graph 6-3 Miles of Water Mains in Service by Diameter - Oracle water system

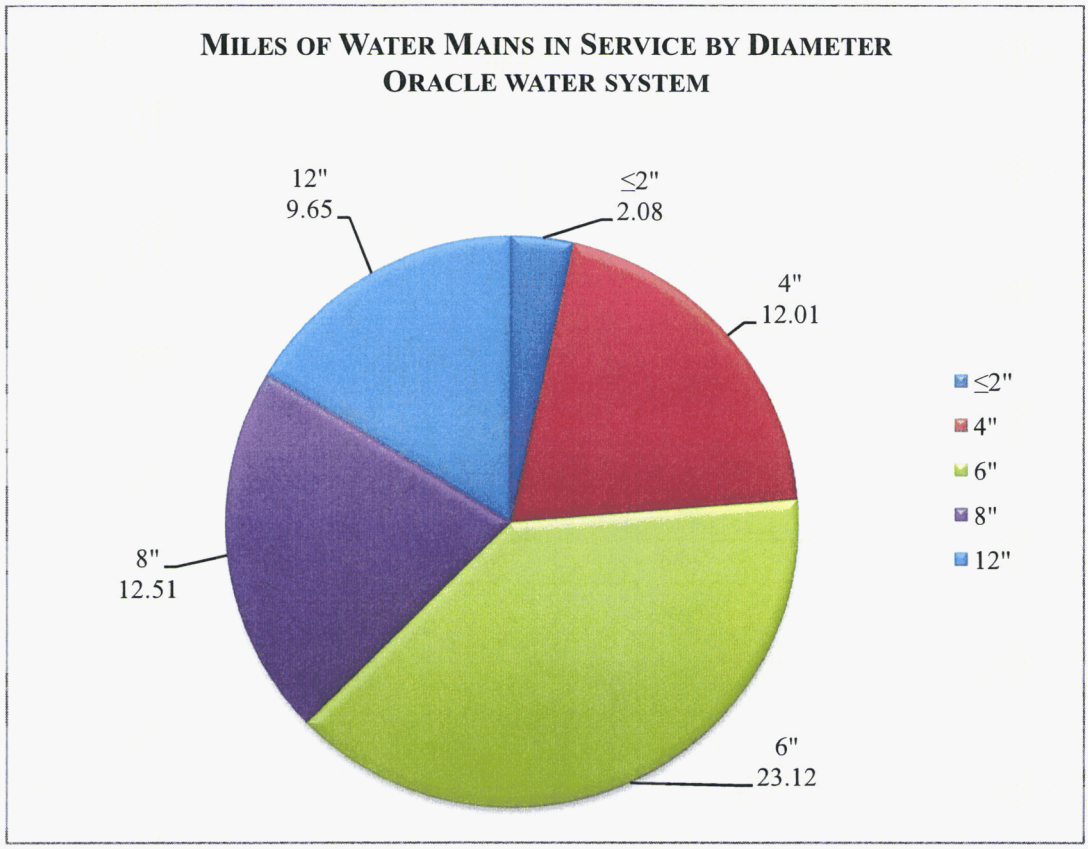


Table 6-1 Miles and Linear Feet of Water Mains in Service by Diameter - Oracle water system

MILES AND LINEAR FEET OF WATER MAINS IN SERVICE BY DIAMETER ORACLE WATER SYSTEM		
WATER MAIN SIZE	**MILES OF WATER MAINS**	**LF OF WATER MAINS**
≤2"	2.08	10,921
4"	12.01	63,423
6"	23.12	122,096
8"	12.51	66,079
12"	9.65	50,953
TOTAL	**59.37**	**313,472**

6.2. System Characterization and Assessment

The Oracle water system is predominantly made up of CA water main installed from the early 1950s to the 1980s. Graph 6-4 and Table 6-2 show the length of water mains in service in the Oracle water system by decade installed.

Graph 6-4 Miles of Water Mains in Service by Decade Installed - Oracle water system

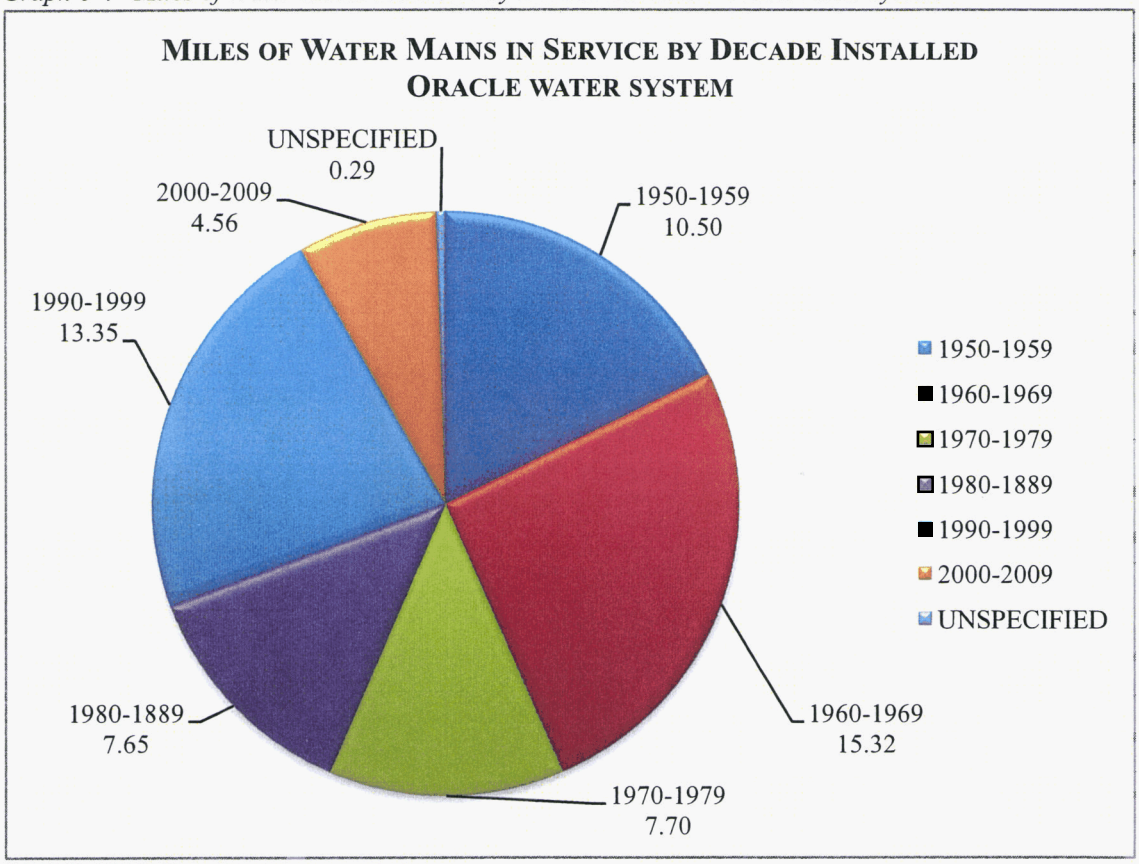


Table 6-2 Miles and Linear Feet of Water Mains by Decade Installed - Oracle water system

MILES AND LINEAR FEET OF WATER MAINS BY DECADE INSTALLED ORACLE WATER SYSTEM		
DECADE WATER MAINS INSTALLED	**MILES OF WATER MAINS**	**LF OF MAINS**
1950-1959	10.50	55,423
1960-1969	15.32	80,887
1970-1979	7.70	40,680
1980-1889	7.65	40,366
1990-1999	13.35	70,468
2000-2009	4.56	24,095
UNSPECIFIED	0.29	1,553
TOTAL	**59.37**	**313,472**

With the installation of CA water mains came PB and PE service lines. There are over 1,000 PB and PE service lines currently in service in the Oracle water system.

6.2.1. Average Age of Water Mains

The oldest water mains in the Oracle water system have been in service for approximately 60 years. These water mains are nearing the end of their useful life and some will need to be replaced within the next decade. CA water mains make up over 65 percent of the Oracle water system as shown on Graph 6-5 and Table 6-3. 205,000 linear feet of CA main were installed between 1950 and 1989, most of which included the installation of PE or PB water service lines. The large quantity of aging water mains and service lines reaching the end of their useful lives and the water losses associated with such infrastructure are expected to increase making their replacement even more necessary.

Graph 6-5 Breakdown of Water Mains in Service by Material Type - Oracle water system

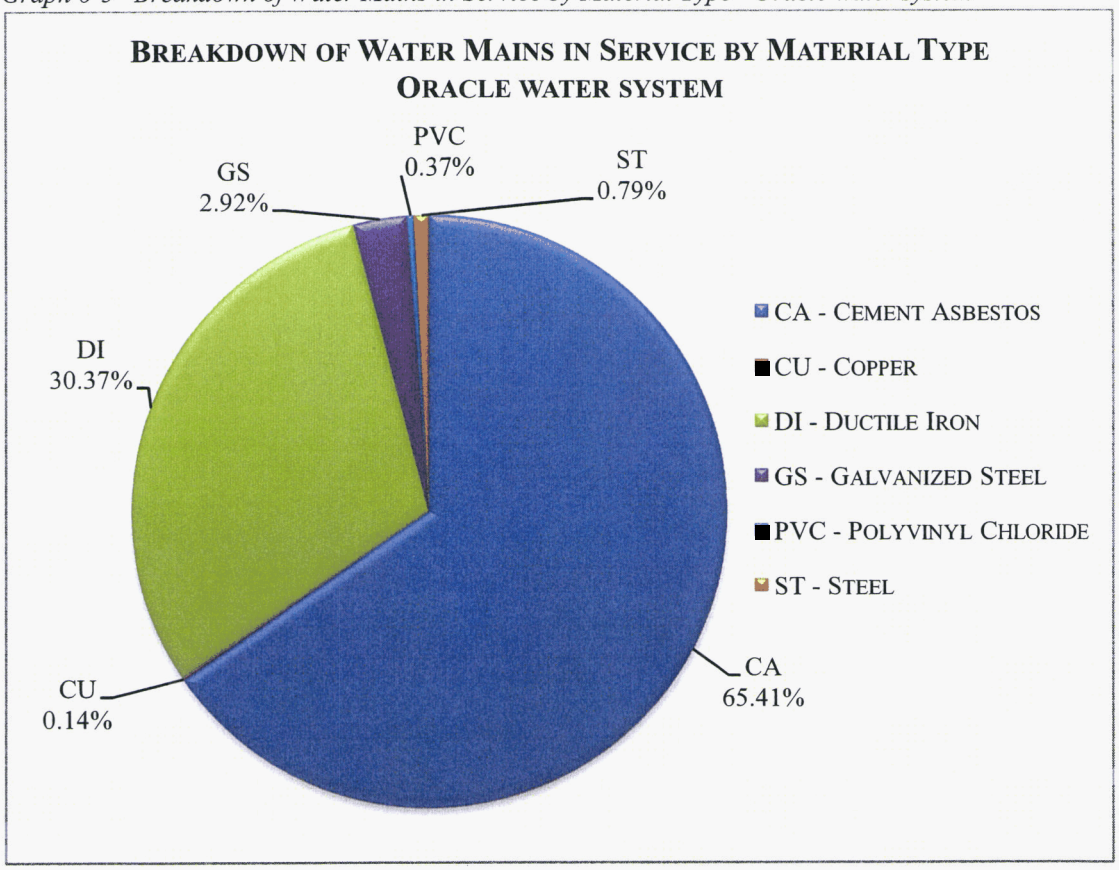
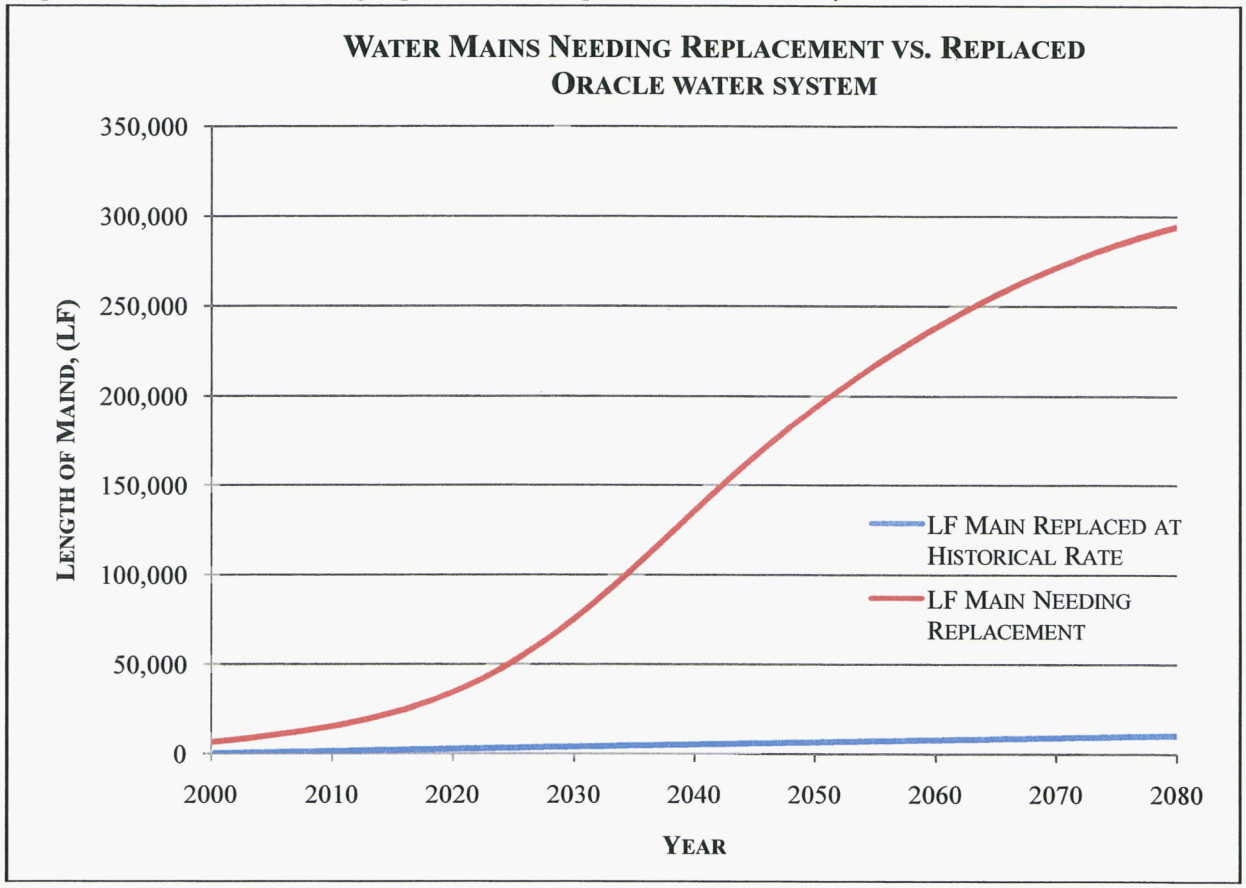


Table 6-3 Breakdown and Linear Feet of Water Mains in Service by Material Type - Oracle water system

BREAKDOWN AND LINEAR FEET OF WATER MAINS IN SERVICE BY MATERIAL TYPE ORACLE WATER SYSTEM		
MATERIAL TYPE	**PERCENTAGE OF WATER MAINS**	**LF OF MAINS**
CA - CEMENT ASBESTOS	65.41%	205,041
CU - COPPER	0.14%	430
DI - DUCTILE IRON	30.37%	95,203
GS - GALVANIZED STEEL	2.92%	9,151
PVC - POLYVINYL CHLORIDE	0.37%	1,158
ST - STEEL	0.79%	2,489
TOTAL	**100%**	**313,472**

The same Nessie Curve analysis described earlier in this report shows the original water main installation pattern for the Oracle water system. By modeling the installation pattern and the useful life expectancy of water mains, the Company has estimated the timing and magnitude of the investment needed to fund these replacements. The Company is planning to replace approximately 10,500 LF of problematic mains based on a complete review of the documented water main and service line repair history in Appendix 9.1.2 and the Nessie Curve analysis. The estimated cost to replace approximately 10,500 LF of water mains and 450 service lines is $1.8 million over the next 10 years, as detailed in Appendix 9.5.2. Graph 6-6 shows the predicted water main replacements needed versus historical replacements rates in the Oracle water system, based on the Nessie Curve analysis and other various water industry studies, some of which are listed in this report.

Graph 6-6 Water Mains Needing Replacement vs. Replaced - Oracle water system



At the historical rate of water main replacement, the Company anticipates it will not be able to keep up with the needed replacements of failing and aging water mains over the next ten years. The historical replacement rate of water mains from 2000 to 2009 was 140 LF per year showing that the Company is not keeping up with water main replacements. Graph 6-6 shows that a significant increase in the rate of water main replacements will be necessary in the future. As shown in Appendix 9.1.2, the historical rate of service line replacements is approximately 10 service lines per year. The Company would have to increase replacements of aging and failing service lines to approximately 45 per year, which is more than four times as much as was historically replaced annually. Each year, replacement costs and the quantity of aging and failing water mains and services are escalating making it increasingly difficult to replace such aging mains and services. The aging and failing service lines are discussed in detail in the Section 6.2.2, below.

6.2.2. Break and Repair History

There have been over 215 leaks and breaks recorded since 2000 in the Oracle water system, 103 of which have been recorded in the last 5 years. Leaks, repairs and replacement histories are listed in Appendix 9.1.2. This data, gathered from the Company's records and shown in Graph 6-7 and Table 6-4, indicates that the number of leaks and breaks has been increasing each year and, every indication shows that this trend will continue in the future.

Water mains in the Oracle water system are installed in areas that include hills, canyons, and washes, making it very difficult to perform leak surveys. Also, most leaks do not surface, further adding to the difficulty of locating and repairing such leaks. The Company has found that the use of leak detection equipment described earlier to be indispensible in locating the leaks and breaks that do not surface.

Graph 6-7 Water Leaks by Type and Year - Oracle water system

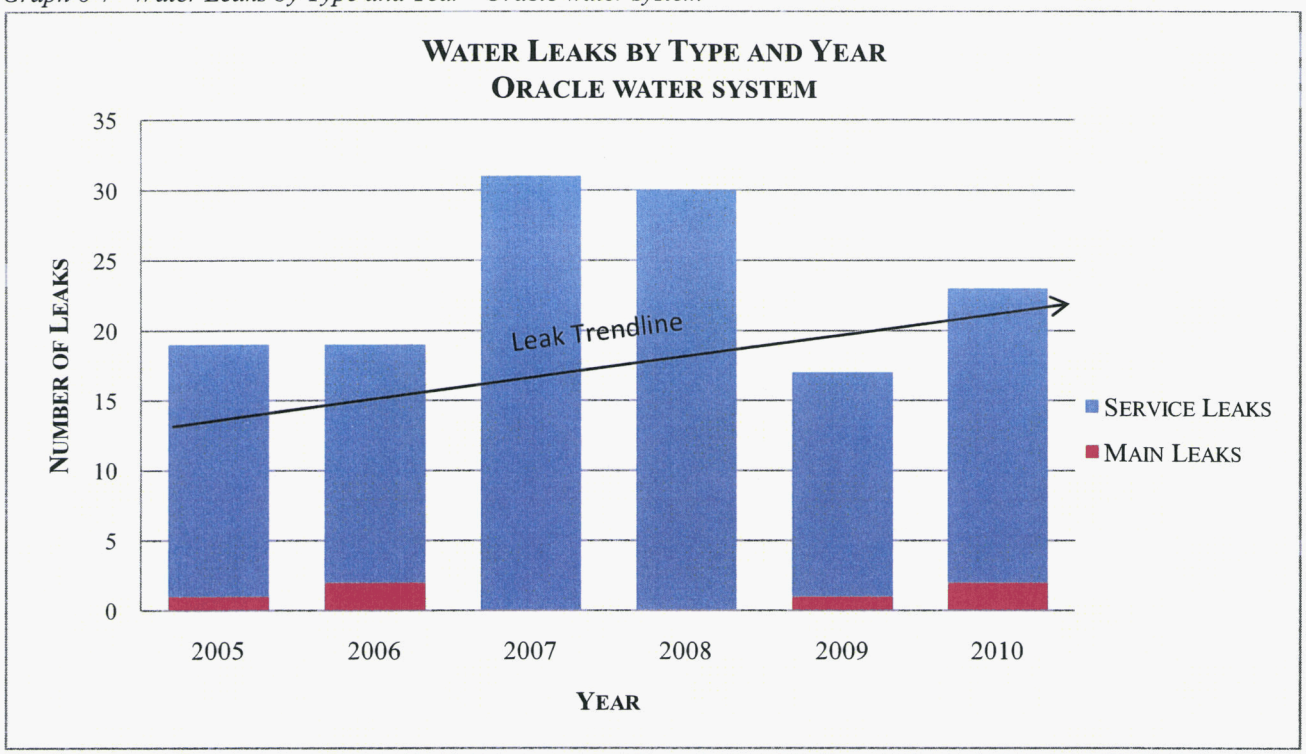


Table 6-4 Water Leaks by Type and Year - Oracle water system

WATER LEAKS BY TYPE AND YEAR ORACLE WATER SYSTEM		
YEAR	**MAIN LEAKS**	**SERVICE LEAKS**
2004 AND EARLIER	14	62
2005	1	18
2006	2	17
2007	0	31
2008	0	30
2009	1	16
2010	2	21
TOTAL	**20**	**195**

Failing PB and PE water service lines account for more than 90 percent of the total repairs and replacements in the Oracle water system and, to date, the Company has already replaced nearly 10 percent of the PB and PE service lines in this water system. Because failing PB and PE service lines are the cause for most of the Oracle water system's current water

losses, the main focus of the Company's replacement program for its Oracle water system is to replace service lines.

6.3. Water Losses

The Oracle water system is located in the Tucson Active Management Area, and the Company calculates and reports water losses in accordance with ADWR reporting requirements addressed earlier in this report.

The following Graph 6-8 and Table 6-5 show that the Oracle water system water losses have exceeded 12 percent for the last three years. The Company has been working diligently to locate leaks and breaks in the area to reduce water losses.

Graph 6-8 Water Losses by Year - Oracle water system

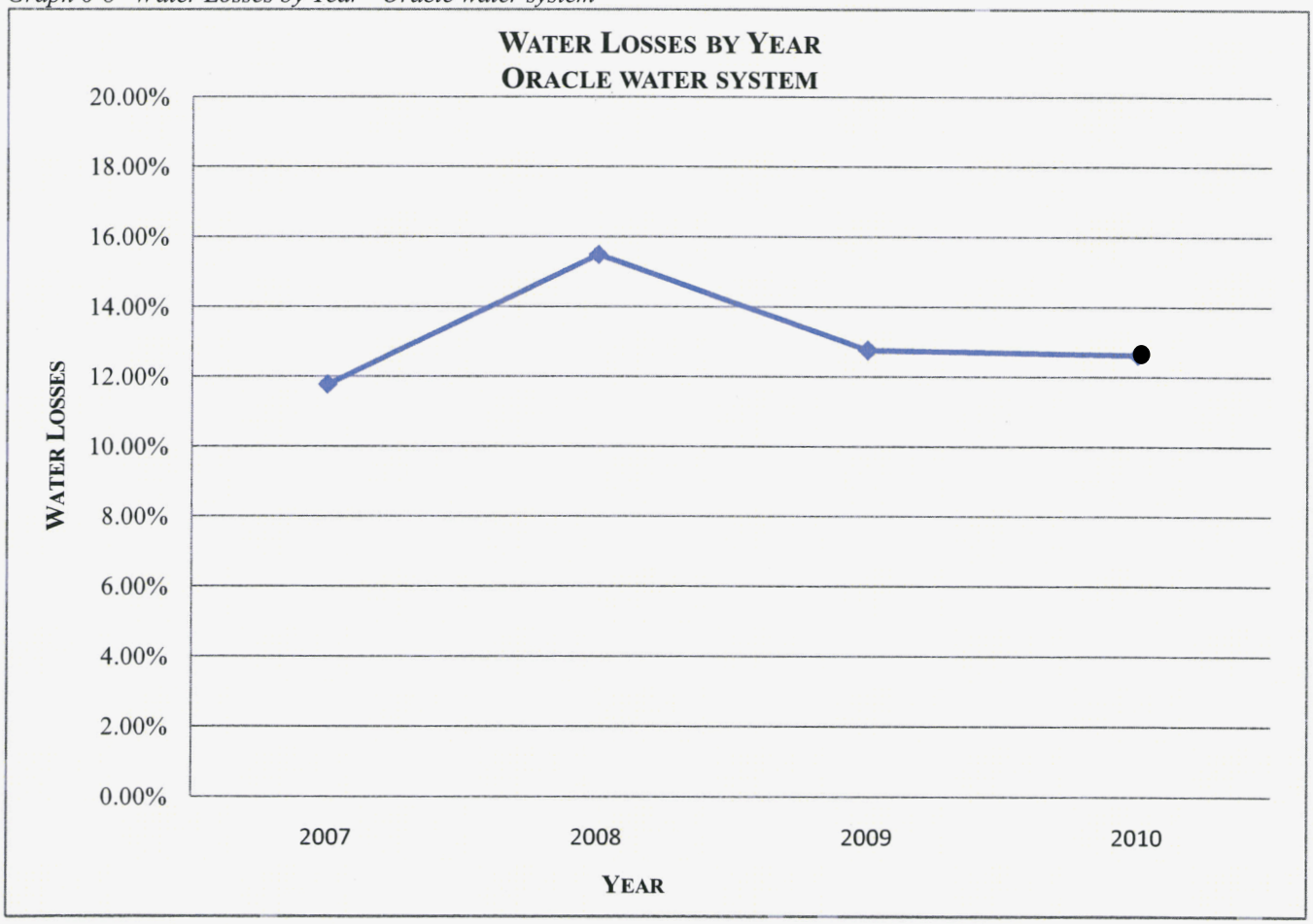


Table 6-5 Water Losses by Year - Oracle water system

WATER LOSSES BY YEAR ORACLE WATER SYSTEM (THOUSANDS OF GALLONS)				
YEAR	PRODUCTION	BILLABLE DELIVERIES	NON-BILLABLE DELIVERIES	PERCENTAGE WATER LOSS
2007	147,782.0	128,457.2	1,941.0	11.76%
2008	145,421.0	121,018.3	1,889.0	15.48%
2009	150,728.0	130,859.0	649.0	12.75%
2010	150,594.0	131,010.6	571.9	12.62%

6.4. Recommendations

6.4.1. Areas Where Replacement of Aging Infrastructure is Needed

The Company's employees reported that 215 leaks and breaks were repaired. This was discussed in detail in Section 6.2.2.

Appendix 9.1.2 lists all recorded leaks and breaks which provides more detailed information, including:

1. Location of the leak;
2. Date of leak;
3. Type of leak (i.e. water main or service line); and
4. Repair vs. replacement.

The maps included in Appendix 9.2.2 show the locations (by section, township, and range) within the Company's Oracle water system where most of the leaks (greater than 20 per section) were found. On these maps, each section has different colors and cross-hatching to distinguish between the following areas:

1. Areas with more than 20 reported leaks repaired since 2000;
2. Areas with water mains installed prior to 1960; and
3. Areas evaluated for replacement projects.

Of the reported service line leaks that noted the material of the failed service lines, approximately 94 percent were constructed of PB or PE, the majority of which were associated with CA water mains installed from the 1950s through the 1980s. The failure of PB and PE water service lines has been a growing problem in the Oracle water system. The Company has determined that a more aggressive plastic service replacement program is needed in the Oracle water system. Proposed projects to replace failing PB and PE water service lines are discussed in Section 6.4.2.

Table 6-6 Largest Number of Leaks by Geographic Area - Oracle water system

LARGEST NUMBER OF LEAKS BY GEOGRAPHIC AREA ORACLE WATER SYSTEM				
AREA	MAP	MAIN LEAKS	SERVICE LEAKS	TOTAL LEAKS
North Downtown Oracle	OR-1	2	72	74
Coronado Ridge	OR-4	3	52	55
South Downtown Oracle	OR-3	14	27	41

The areas that are targeted for PB and PE water service line replacements in the Oracle Water System are included in Maps OR-1, OR-4 and OR-3 in Appendix 9.4.2 and are associated with water mains that were installed in the 1960s and 1970s. The break and repair data indicates there has been a significant number of PB and PE service leaks and repairs in these three areas, as shown in Table 6-6.

6.4.2. Three-Year Plan to Replace Aging Infrastructure

The Company developed a three-year service line replacement program to address the first phase of service line replacements to reduce water losses, as shown in Table 6-7.

Table 6-7 Summary of Three-Year Plan to Replace Aging Infrastructure - Oracle water system

PROJECT NUMBER	STREET NAME	NEW PIPE LENGTH (LF)	NEW PIPE DIAMETER (IN)	NEW PIPE MATERIAL	# OF SERVICES TO BE REPLACED	REPLACED PIPE DIAMETER (IN)	REPLACED PIPE MATERIAL	RECORDED FITTING LEAKS	RECORDED MAIN LEAKS	RECORDED SERVICE LEAKS	TOTAL LEAKS	ESTIMATED TOTAL COST
37	BEVERLY CIRCLE				61			0	0	36	36	$170,671
38	SONBERG DRIVE				35			0	0	21	21	$95,182
39	CAMINO SECO				19			0	0	9	9	$53,499
40	ADAMS STREET				27			0	1	7	8	$78,771
41	TWO O'CLOCK HILLS ROAD				24			0	0	8	8	$65,971
42	CEDAR RIDGE DRIVE				16			0	0	6	6	$44,637
											Total	**$508,729**

Project 37

Replace 61 service connections along Beverly Circle. The existing water mains have 36 recorded service line leaks. The cost to complete this project is estimated to be $170,671. See Appendix 9.4.2 for the map depicting the project limits and the detailed cost estimate.

Project 38

Replace 35 service connections along Sonberg Drive, Harold Drive and Rockcliff Boulevard. The existing water mains have 21 recorded service line leaks. The cost to complete this project is estimated to be $95,182. See Appendix 9.4.2 for the map depicting the project limits and the detailed cost estimate.

Project 39

Replace 19 service connections along Camino Seco and Calle Valencia. The existing water mains have 9 recorded service line leaks. The cost to complete this project is estimated to be $53,499. See Appendix 9.4.2 for the map depicting the project limits and the detailed cost estimate.

Project 40

Replace 27 service connections along Adams Street, Howard Street and Logan Street. The existing water mains have 7 recorded service line leaks and 1 water main leak. The cost to complete this project is estimated to be $78,771. See Appendix 9.4.2 for the map depicting the project limits and the detailed cost estimate.

Project 41

Replace 24 service connections along North Two O'clock Hills Road and Chaparral Street. The existing water mains have 8 recorded service line leaks. The cost to complete this project is estimated to be $65,971. See Appendix 9.4.2 for the map depicting the project limits and the detailed cost estimate.

Project 42

Replace 16 service connections along North Cedar Ridge Drive. The existing water main has 6 recorded service line leaks. The cost to complete this project is estimated to be $44,637. See Appendix 9.4.2 for the map depicting the project limits and the detailed cost estimate.

6.5. Conclusions

The Company's employees are working diligently to reduce water losses in the Oracle water system. The Company has purchased leak detection equipment to aid employees in detecting and reducing water loss. Based on the historical rate of water service line replacement in the Oracle water system, it will take more than 70 years to replace the failing service lines alone. This rate of service line replacements is too low, considering that the useful life of a PB and PE water service line is only 40 years.

The Oracle water system has three critical geographic areas that need to be addressed, based on the historical data. These three areas have a significant amount of service line leaks and breaks. A replacement program has been developed to resolve the service line

replacement needs. Over the next three years, six service line replacement projects have been developed to reduce water losses to help comply with the Commission's water loss reduction directive in Decision No. 71845. The Company estimates the annual cost of this water service line replacement program to be $173,300 for the Oracle water system.

The Company has started on the design and construction of three replacement projects in the Oracle water system to reduce water losses, as directed by the Commission in Decision No. 71845. These projects include:

Project 1

Install approximately 270 LF of 6-inch DI replacement pipe with polywrap and replace 2 service connections along American Avenue and College Drive. This project will replace approximately 270 LF of 4-inch ST water main installed in 1962. The existing water main to be replaced had three water main leaks. The cost to complete this project is estimated to be $40,113.

Project 2

Install approximately 440 LF of 6-inch DI replacement pipe with polywrap and replace 6 service connections along Discover Street. This project will replace approximately 440 LF of 2-inch GS water main installed in 1961. The existing water mains had three water main leaks. The cost to complete this project is estimated to be $51,218.

Project 3

Install approximately 1,100 LF of 6-inch DI replacement pipe with polywrap and replace 12 service connections along Stewart Road, Truman Street and Sherman Road. This project will replace 1,100 LF of 2-inch GS water main installed in 1965. The existing water mains had seven water main leaks. The cost to complete this project is estimated to be $87,853.

Construction of these three projects has been completed.

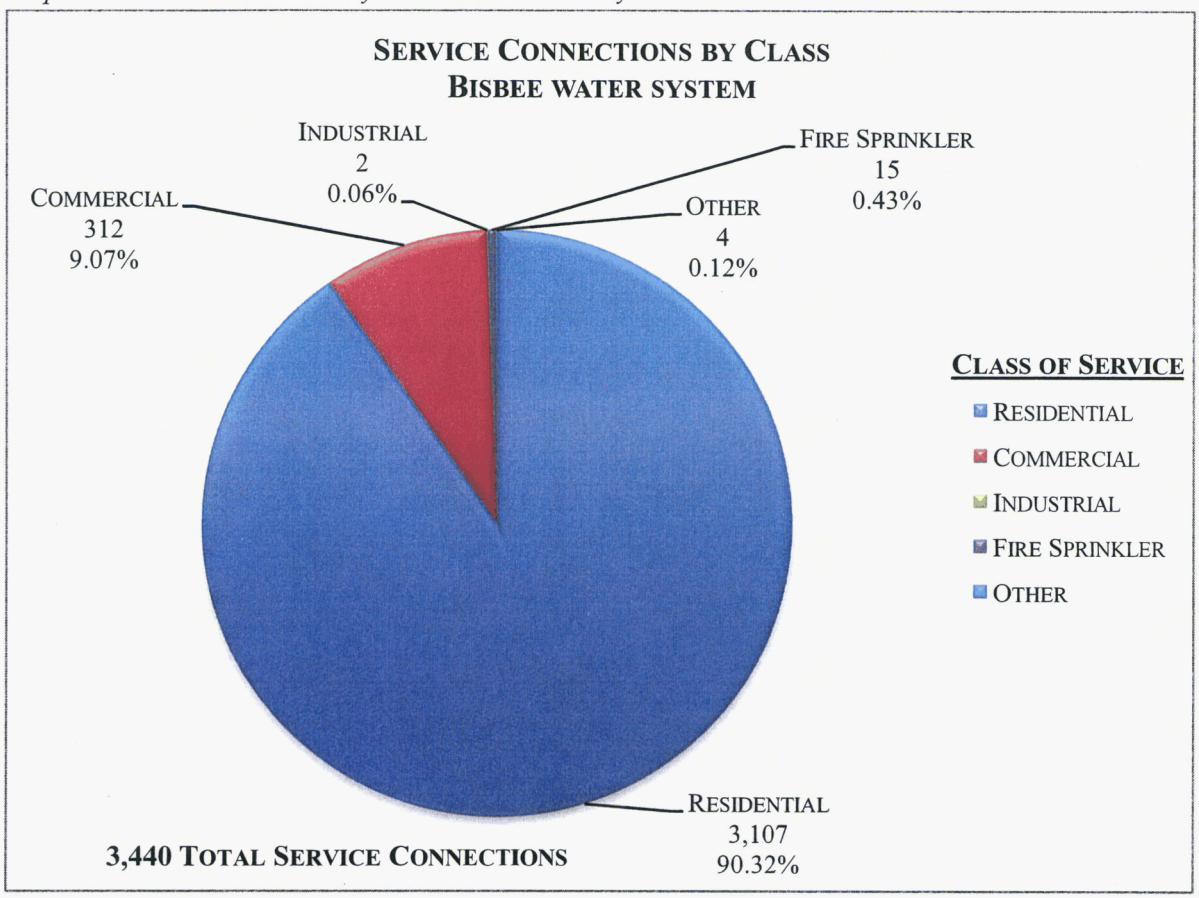
7.0 BISBEE WATER SYSTEM

7.1. Overview of the Existing Water System

7.1.1. Water System Background

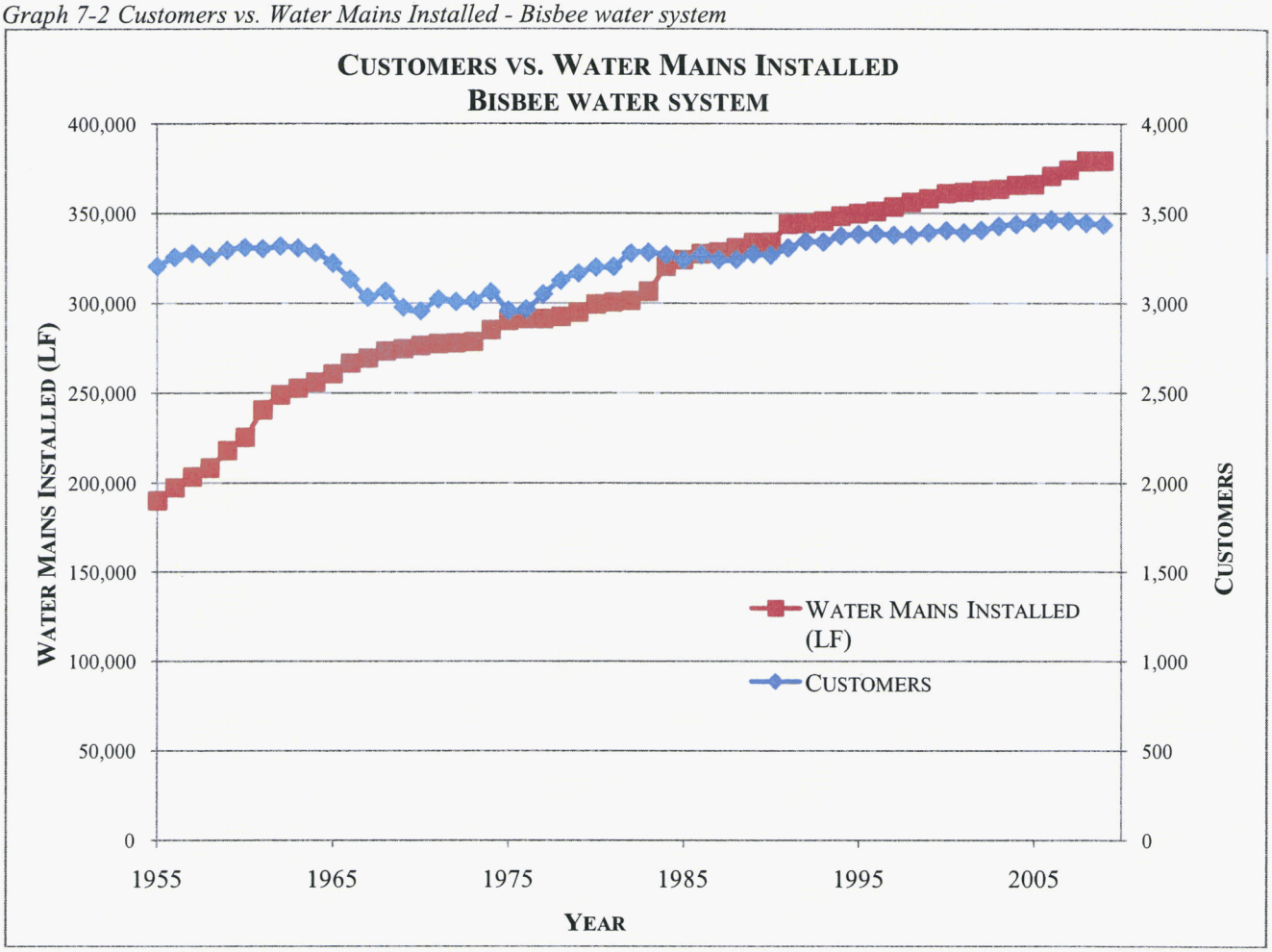
The Bisbee water system is located in southeastern Arizona along the border of Mexico. Bisbee is one of the oldest water systems in the State of Arizona, dating back to the late 1800s. The Bisbee water system serves the City of Bisbee and adjacent unincorporated areas in Cochise County and has over 3,400 residential and commercial service connections. 90 percent of the service connections are residential, as shown in Graph 7-1.

Graph 7-1 Service Connections by Class - Bisbee water system



The number of customers in the Bisbee water system, has remained relatively unchanged since 1955, however, the quantity of water mains installed has doubled over this period of time as shown in Graph 7-2.

Graph 7-2 Customers vs. Water Mains Installed - Bisbee water system

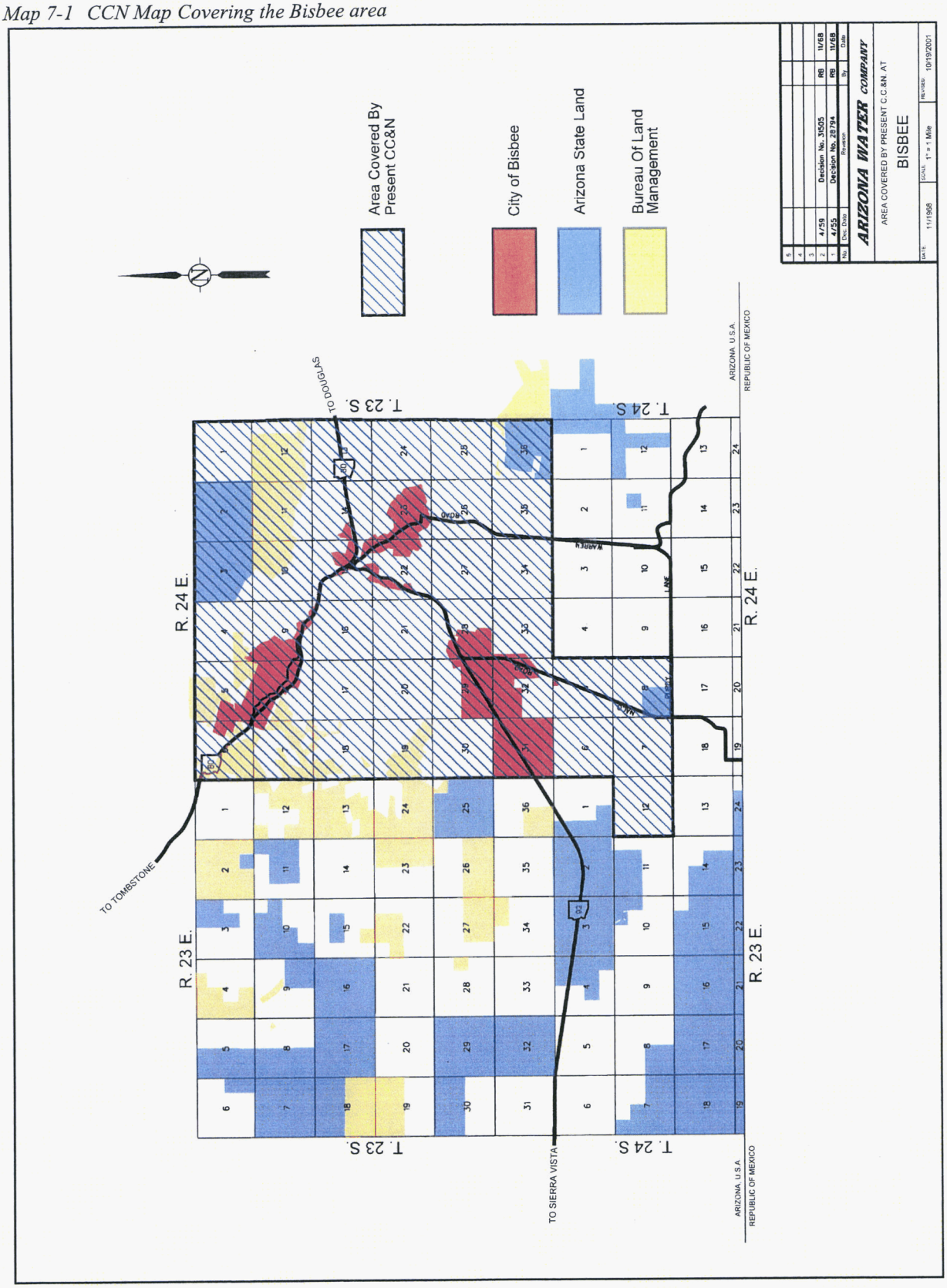


The amount of water mains installed per customer has increased partly because the unincorporated areas are starting to develop, creating larger parcel sizes, which increases the amount of water mains that need to be installed.

7.1.2. Certificate of Convenience and Necessity

The CCN covering the Bisbee area encompasses over 41 square miles of service territory located in southern Cochise County, as depicted in Map 7-1. The CCN area begins one mile north of the border between the United States and Mexico. Arizona State Land and Bureau of Land Management surround the system to the East, West, and North.

Map 7-1 CCN Map Covering the Bisbee area



7.1.3. Source of Supply

The Bisbee water system has four wells that have a maximum production capacity of over 2.8 MGD, and which pump directly into a ground water storage tank. The major booster pump stations that serve this water system are described as follows. First, water is pumped by the Naco Booster Pump Station to one of two elevated water storage tanks, Tin Town and Warren tanks, at a discharge pressure of 470 psi. Second, water is pumped by the Tin Town Booster Pump Station at a discharge pressure of 350 psi to the Tombstone Canyon tank. Third, water is pumped by the Tombstone Canyon Pump Station to the Spring Canyon tank at a discharge pressure of 120 psi. There are 23 regulator stations that regulate the pressure into separate pressure zones located throughout the Bisbee water system.

7.1.4. Distribution System

The installation of water mains in the Bisbee water system began in the late 1800s, however, the oldest water main in service today dates back to 1901. There are over 71 miles of water mains varying in size, material, and age. The Bisbee water system is comprised of water mains constructed of several different types of material, such as CA, CI, CU, DI, GS, PVC, and ST. There are approximately 3,400 service line connections in service which are constructed from CU, DI, GS, PB, PE, and ST materials.

Water mains installed in the Bisbee water system vary in size smaller than 2-inch to 14 inches in diameter. The length of water mains in service by pipe diameter are shown in Graph 7-3 and Table 7-1. The majority of the 10-inch and 12-inch water mains in service are used to transmit water from the well field to the gravity storage tanks.

Graph 7-3 Miles of Water Mains in Service by Diameter - Bisbee water system

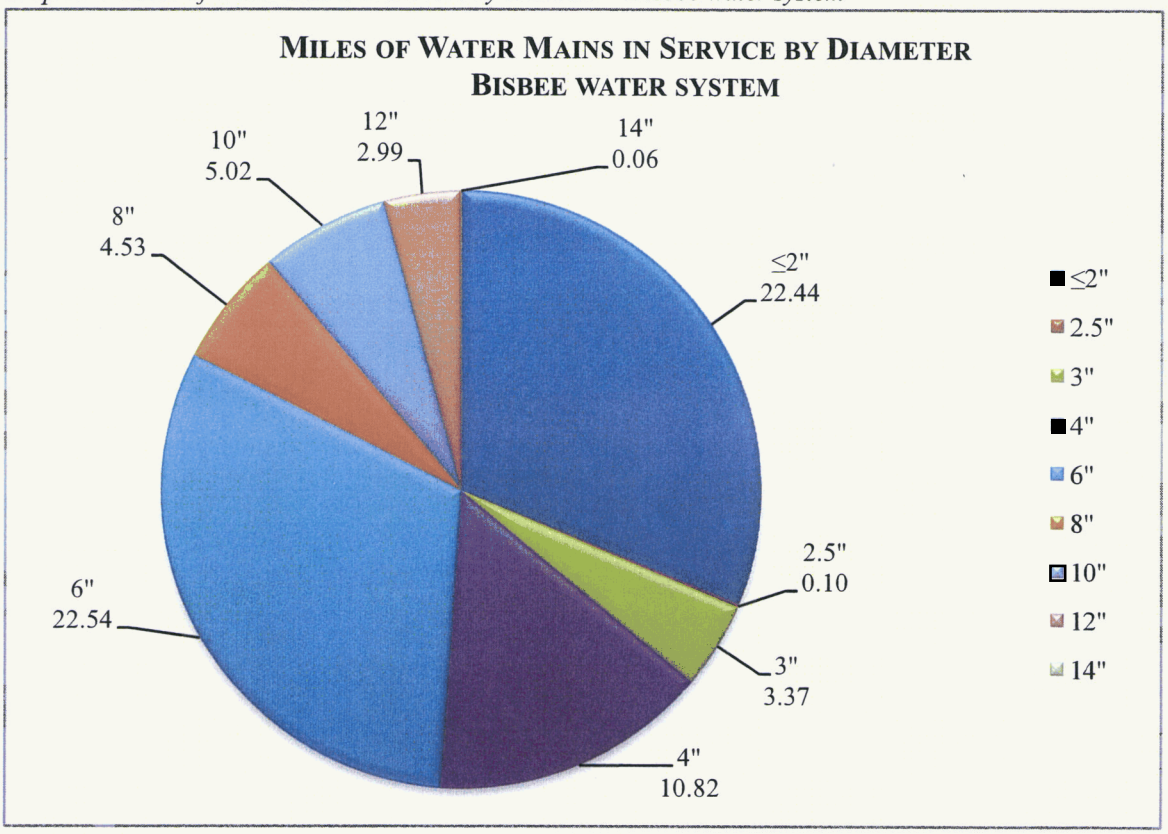


Table 7-1 Miles and Linear Feet of Water Mains in Service by Diameter - Bisbee water system

MILES AND LINEAR FEET OF WATER MAINS IN SERVICE BY DIAMETER BISBEE WATER SYSTEM		
WATER MAIN SIZE	**MILES OF WATER MAINS**	**LF OF WATER MAINS**
≤2"	22.44	118,467
2.5"	0.10	513
3"	3.37	17,788
4"	10.82	57,125
6"	22.54	119,037
8"	4.53	23,901
10"	5.02	26,486
12"	2.99	15,794
14"	0.06	308
TOTAL	**71.87**	**379,419**

7.2. System Characterization and Assessment

Steel was the predominant material used for water mains in the Bisbee water system from the early 1900s to the late 1950s. Most of these water mains are at or near the end of their useful life, as indicated by the map showing leaks and breaks.

7.2.1. Average Age of Water Mains

The oldest ST water mains in the Bisbee water system are over 100 years old and the oldest GS water mains are nearly as old as the ST water mains. There have been more than 1,000 repairs of reported water main breaks and leaks, as summarized in Appendix 9.1.3, and almost 80 percent of the leaks and breaks have been on ST and GS water mains installed from the 1900s through the 1960s. Most of these water mains in the Bisbee water system have reached the end of their useful life and now require replacement.

More than 55 percent of the water mains in the distribution system are over 50 years old, as shown in Graph 7-4 and Table 7-2, and are now reaching the end of their useful life.

Graph 7-4 Breakdown of Water Mains in Service by Decade Installed - Bisbee water system

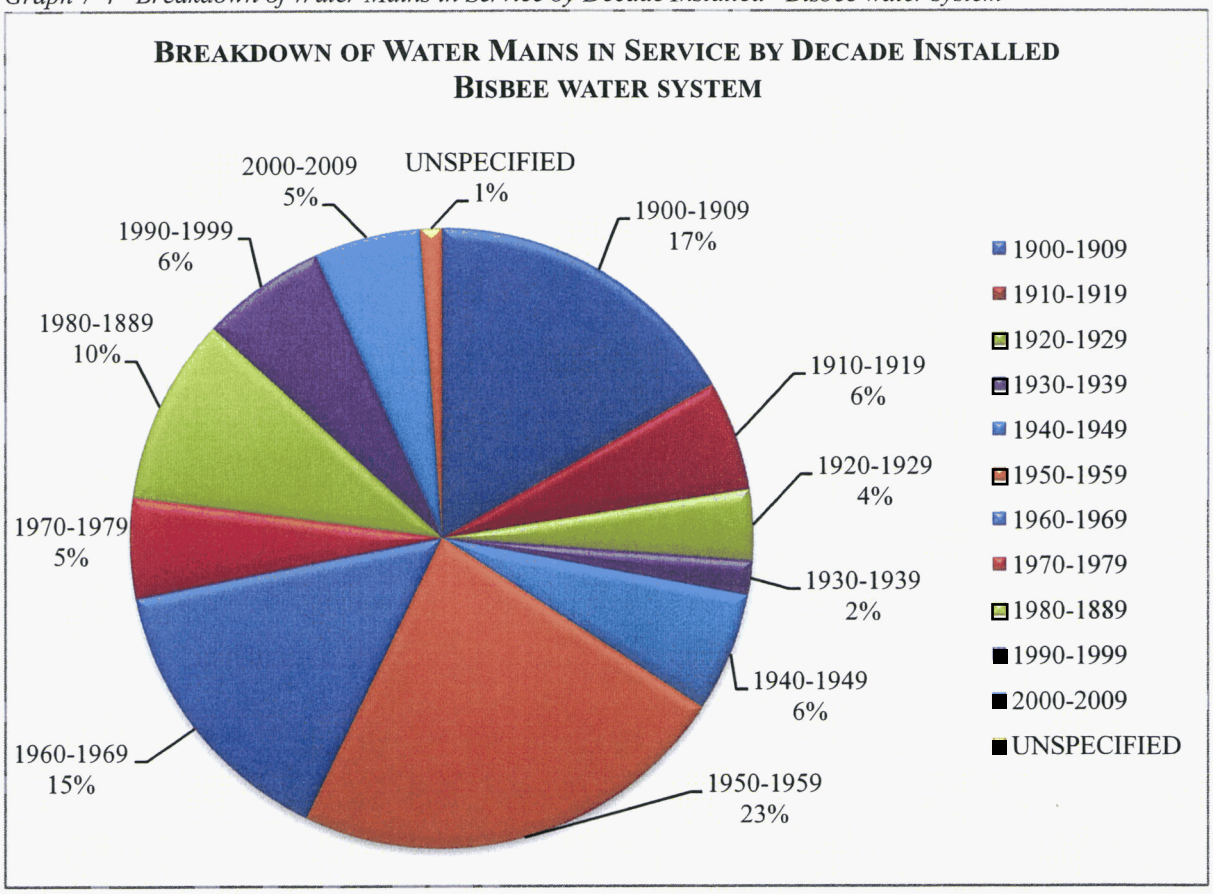
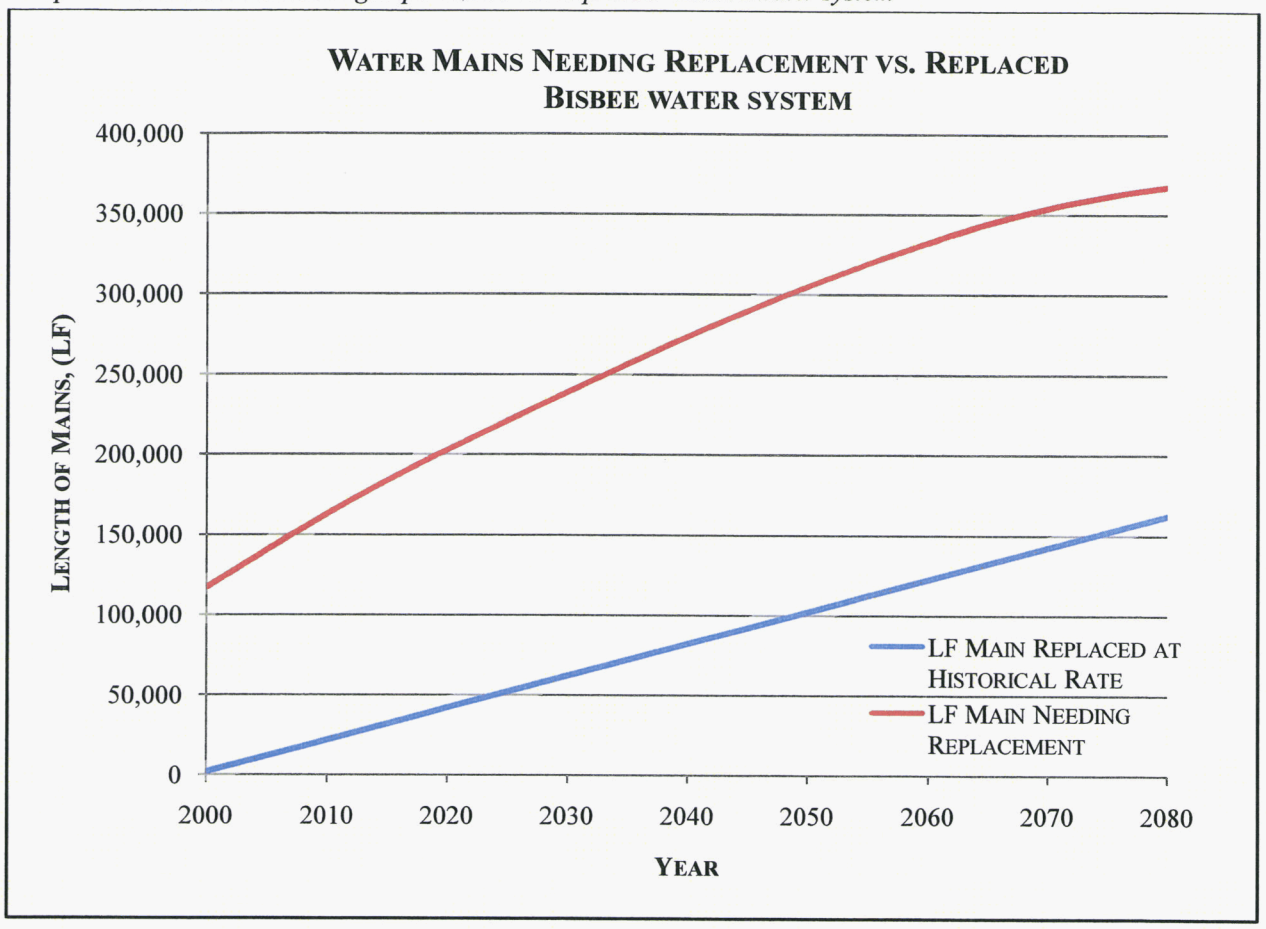


Table 7-2 Breakdown and Linear Feet of Water Mains in Service by Decade Installed - Bisbee water system

BREAKDOWN AND LINEAR FEET OF WATER MAINS IN SERVICE BY DECADE INSTALLED BISBEE WATER SYSTEM		
DECADE WATER MAINS INSTALLED	PERCENTAGE OF WATER MAINS	LF OF MAINS
1900-1909	17%	63,671
1910-1919	6%	21,701
1920-1929	4%	14,077
1930-1939	2%	6,731
1940-1949	6%	23,684
1950-1959	23%	87,088
1960-1969	15%	55,786
1970-1979	5%	19,925
1980-1889	10%	36,977
1990-1999	6%	24,469
2000-2009	5%	20,981
UNSPECIFIED	1%	4,329
TOTAL	**100%**	**379,419**

Following the same Nessie Curve analysis, modeling the Bisbee water system for the installation pattern and the useful life expectancy of water mains, the Company has estimated the timing and magnitude of the investment needed to fund these replacements. The analysis shows that approximately 140,000 LF of water mains already need to be replaced in the Bisbee water system. Another 40,000 LF of water main will need to be replaced over the next 10 years. The 180,000 LF of water main that needs to be replaced represents 47 percent of the Bisbee water system. The estimated cost to replace this 180,000 LF of water main is $23.5 million, as detailed in Appendix 9.5.3. This analysis is based on a complete review of the documented water main and service line repair history summarized in Appendix 9.1.3. Graph 7-5 shows the predicted water main replacements needed versus historical replacement rates in the Bisbee water system.

Graph 7-5 Water Mains Needing Replacement vs. Replaced - Bisbee water system



At the historical replacement rate of 2,200 LF per year, the Company will continue to fall further behind on water main and service line replacements for its Bisbee water system. Replacement costs will continue to increase further limiting the quantity of aging and failing water mains and service lines that the Company may be able to replace.

7.2.2. Break and Repair History

Water main and service line breaks and repairs are frequent in the Bisbee water system and have been increasing. The Bisbee water system averages over 100 leaks and breaks per year, a number that has risen sharply in recent years. The number of leaks and breaks on water mains equates to one leak for every 400 feet of water main currently in service and totals more than one break for every mile of water main each year. As shown in Graph 7-6 and Table 7-3, the number and frequency of leaks and breaks are increasing per year, indicating further deterioration and the increased need for replacements.

Graph 7-6 Water Leaks by Type and Year - Bisbee water system

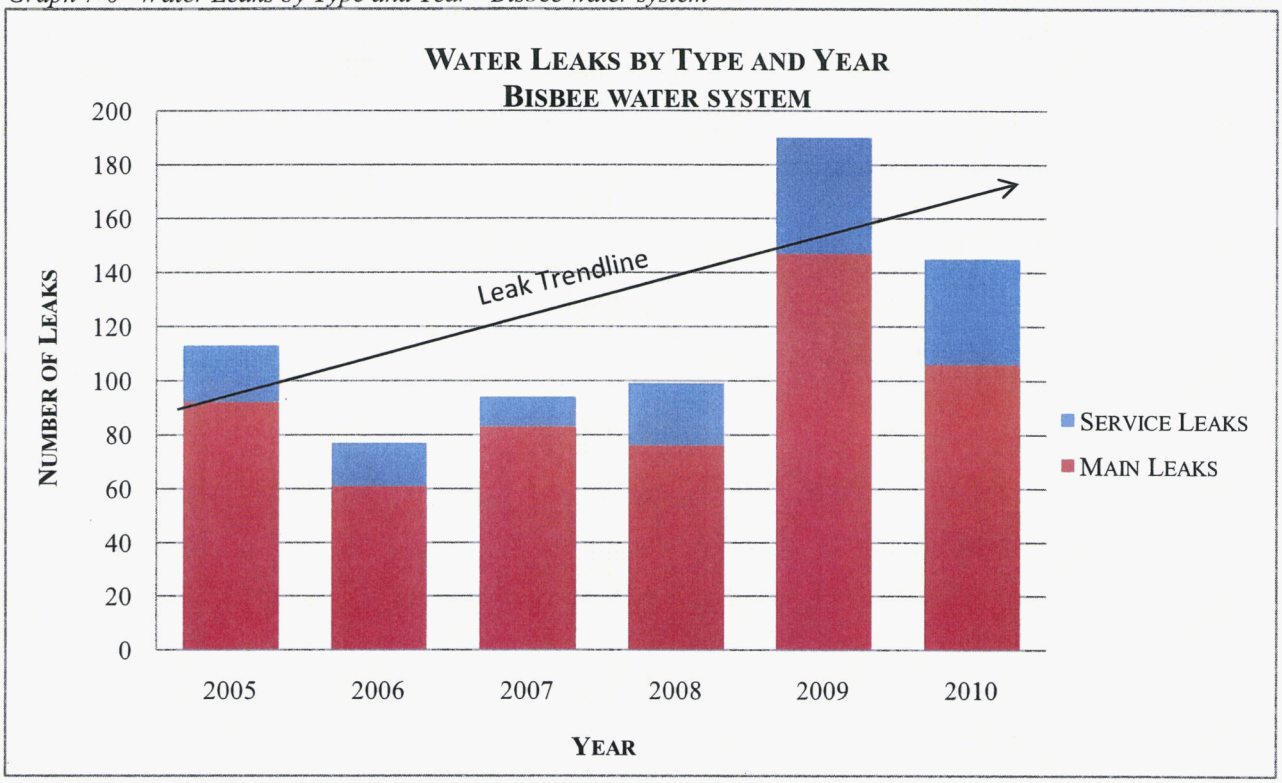


Table 7-3 Water Leaks by Type and Year - Bisbee water system

WATER LEAKS BY TYPE AND YEAR BISBEE WATER SYSTEM		
YEAR	**MAIN LEAKS**	**SERVICE LEAKS**
2004 and earlier	453	190
2005	92	21
2006	61	16
2007	83	11
2008	76	23
2009	147	43
2010	106	39
TOTAL	**1018**	**343**

7.3. Water Losses

Bisbee water system water losses have exceeded 10 percent for the last 20 years, and have exceeded 15 percent for the past 4 years, as shown in Graph 7-7 and Table 7-4. As directed by the Commission in Decision No. 71845, the Company is required to lower water losses to below 10 percent, wherever feasible.

Graph 7-7 Water Losses by Year - Bisbee water system

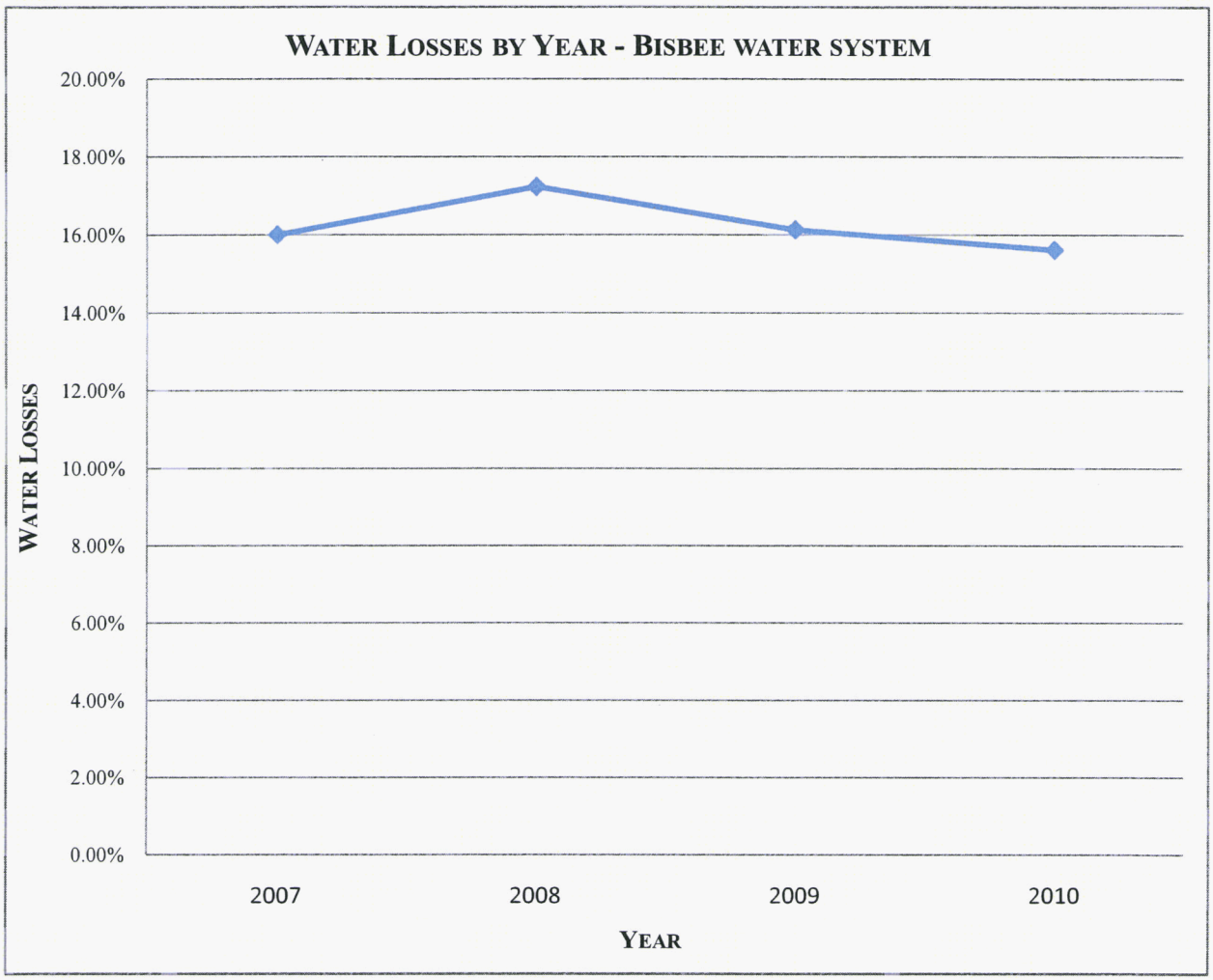


Table 7-4 Water Losses by Year - Bisbee water system

WATER LOSSES BY YEAR BISBEE WATER SYSTEM (THOUSANDS OF GALLONS)				
YEAR	PRODUCTION	BILLABLE DELIVERIES	NON-BILLABLE DELIVERIES	PERCENTAGE WATER LOSS
2007	356,545.7	297,398.8	2,121.9	15.99%
2008	363,577.1	299,360.3	1,582.4	17.23%
2009	345,648.8	287,197.8	2,712.7	16.13%
2010	344,857.4	290,368.6	667.6	15.61%

7.4. Recommendations

7.4.1. Areas Where Replacement of Aging Infrastructure is Needed

The Company's employees identified more than 1,350 repairs of leaks and breaks within the Bisbee water system. As shown in Table 7-3, almost 75 percent of the repairs and replacements have been on water mains alone.

Appendix 9.1.3 lists all recorded leaks and breaks which provides more detailed information, including:

1. Location of the leak;
2. Date of leak;
3. Type of leak (i.e. water main or service line); and
4. Repair vs. replacement.

The maps included in Appendix 9.2.3 show the location (by section, township, and range) within the Company's Bisbee water system where a high proportion of leaks (greater than 20 per section) were found. On these maps, each section has a different color and cross-hatching to distinguish between the following:

1. Areas with more than 20 reported leaks repaired since 2000;
2. Areas with water mains installed prior to 1960; and
3. Areas evaluated for replacement projects.

The number of recorded leaks per year has increased over the past five years, see Graph 7-6.

Of the reported water main leaks that noted the material of the failed water mains, approximately 60 percent were ST. The majority of the water main leaks have been on ST water mains installed prior to 1960. Based on this evidence, the Company has determined that a more aggressive water main replacement program is needed for the Bisbee water system. Proposed projects to address this issue are discussed in Section 7.4.2.

Table 7-5 Largest Number of Leaks by Geographic Area - Bisbee water system

LARGEST NUMBER OF LEAKS BY GEOGRAPHIC AREA BISBEE WATER SYSTEM				
AREA	MAP	MAIN LEAKS	SERVICE LEAKS	TOTAL LEAKS
Warren	BE-10	298	90	388
Old Bisbee	BE-3	160	73	233
Old Bisbee	BE-4	157	62	219
Don Luis	BE-15	83	25	108

The three geographic areas that need to be addressed in the Bisbee water system are included in Maps BE-10, BE-3, BE-4, and BE-15 in Appendix 9.4.3, which include water mains installed in the early 1900s, where there have been a significant number of water main leaks and repairs.

The first geographic area to be addressed is the Warren area, which corresponds with Map BE-10 in Appendix 9.4.3. This area has seen a significant number of water main breaks and leaks. The majority of the ST water mains were installed in 1908. There were over 388 leaks repaired in the past few years in this area, per Table 7-5. Because of the large number leaks and breaks in the Warren area, the proposed replacement program will include both water mains and service lines. Individual replacement projects for this area are listed in Section 7.4.2.

The second geographic area to be addressed is the Old Bisbee area, which corresponds with Maps BE-3 and BE-4 in Appendix 9.4.3. This area has small-diameter GS water mains that are over 50 years old. The break and repair history for these GS water mains indicates that these water mains have likely reached the end of their useful lives. The water mains have shown signs of advanced aging, resulting in higher water losses. The GS water mains in the Old Bisbee area are included in the proposed replacement projects listed in Section 7.4.2.

The third geographic area to be addressed is the Don Luis area, which corresponds to Map BE-15 in Appendix 9.4.3. Water mains and service lines in this area are over 50 years old and are made of ST and GS pipe. The break and repair history shows numerous leaks on water mains in this area. The proposed projects for replacing ST and GS water mains in this area are listed in Section 7.4.2.

7.4.2. Three-Year Plan to Replace Aging Infrastructure

The Company determined that a water main and service line replacement program, as summarized in Table 7-6, is needed, based on analysis of the available data shown in Appendix 9.1.3.

Table 7-6 Summary of Three-Year Plan to Replace Aging Infrastructure - Bisbee water system

PROJECT NUMBER	STREET NAME	NEW PIPE LENGTH (LF)	NEW PIPE DIAMETER (IN)	NEW PIPE MATERIAL	# OF SERVICES TO BE REPLACED	REPLACED PIPE DIAMETER (IN)	REPLACED PIPE MATERIAL	RECORDED FITTING LEAKS	RECORDED MAIN LEAKS	RECORDED SERVICE LEAKS	TOTAL LEAKS	ESTIMATED TOTAL COST
43	BOWERS STREET	1,900	6	DI	22	2, 4	ST, GS	0	76	4	80	$232,374
44	OCOTILLO AVENUE	700	6	DI	11	1,2,4	PVC, GS, CU, ST	0	34	1	35	$94,656
45	LEDGE AVENUE	2,450	6	DI	41	1, 2, 4	ST, GS	0	22	13	35	$318,891
46	HIGHWAY 80	900	6	DI	0	1	PVC	0	22	0	22	$84,679
47	LEDGE AVENUE	1,650	6	DI	20	1, 2, 3	GS, PVC	0	19	2	21	$192,464
48	TERAN STREET	2,900	6	DI	22	1, 2, 6	ST, GS	0	20	0	20	$312,721
49	PARK AVENUE	700	6	DI	12	2, 4, 6	GS, ST	0	16	0	16	$98,070
50	BROPHY AVENUE	600	6	DI	11	1, 2	CU, GS	0	13	2	15	$76,802
51	COLE AVENUE	1,000	6	DI	7	6,8	ST	0	8	6	14	$112,905
52	CHURCH STREET	400	6	DI	7	4, 6	ST	0	11	1	12	$54,877
											Total	**$1,578,440**

Project 43

Install approximately 1,900 LF of 6-inch DI replacement pipe with polywrap and replace 22 service connections along Bowers Street from Marie Street to McDonald Street. This project will replace approximately 1,250 LF of 4-inch ST water main installed in 1958 and approximately 150 LF of 1-inch GS water main installed in 1961 on Bowers Street; and approximately 500 LF of 2-inch GS water main installed in 1958 on Marie Street. The existing water mains to be replaced have 4 recorded service line leaks and 76 recorded water main leaks. The cost to complete this project is estimated to be $244,847. See Appendix 9.4.3 for the map depicting the project limits and the detailed cost estimate.

Project 44

Install approximately 700 LF of 6-inch DI replacement pipe with polywrap and replace 11 service connections along Ocotillo Street. This project will replace approximately 600 LF of 1-inch GS water main installed in 1945, 1947, and 1950, approximately 250 LF of 1-inch PVC water main installed in 1980, approximately 150 LF of 4-inch ST water main installed in 1960, and approximately 100 LF of 2-inch CU water main installed in 2007 on Ocotillo Street. The existing water mains to be replaced have 1 recorded service line leaks and 34 recorded water main leaks. The cost to complete this project is estimated to be $94,656. See Appendix 9.4.3 for the map depicting the project limits and the detailed cost estimate.

Project 45

Install approximately 1,650 LF of 6-inch DI replacement pipe with polywrap and replace 20 service connections along Ledge Avenue, Quality Road and Alleys. This project will replace approximately 150 LF of 1-inch GS water main installed in 1939, approximately 100 LF of 1-inch PVC water main installed in 1976, approximately 750 LF of 2-inch GS water main installed in 1939 and 1947; and approximately 350 LF of 3-inch GS water main installed in 1932 and 1952. The existing water mains to be replaced have 2 recorded service line leaks and 19 recorded water main leaks. The cost to complete this project is estimated to be $192,464. See Appendix 9.4.3 for the map depicting the project limits and the detailed cost estimate.

Project 46

Install approximately 900 LF of 6-inch DI replacement pipe with polywrap along Highway 80 and Winwood Road. This project will replace approximately 900 LF of 1-inch PVC water main installed in 1980 on Winwood Road. The existing water main to be replaced has 22 recorded water main leaks. The cost to complete this project is estimated to be $84,617. See Appendix 9.4.3 for the map depicting the project limits and the detailed cost estimate.

Project 47

Install approximately 2,450 LF of 6-inch DI replacement pipe with polywrap and replace 41 service connections along Ledge Avenue and Quality Road. This project will replace approximately 1,050 LF of 1-inch GS water main installed in 1937, 1939, 1958, and 1962; approximately 100 LF of 2-inch ST water main installed in 2002; approximately 1,000 LF of 2-inch GS water main installed in 1932 and 1947; and approximately 200 LF of 3-inch GS water main installed in 1947. The existing water mains to be replaced have 13 recorded service line leaks and 22 recorded water main leaks. The cost to complete this project is estimated to be

$318,891. See Appendix 9.4.3 for the map depicting the project limits and the detailed cost estimate.

Project 48

Install approximately 2,900 LF of 6-inch DI replacement pipe with polywrap and replace 22 service connections along Teran Street, Aruizu Street, Carbajal Street, and Vargas Street. This project will replace approximately 700 LF of 1-inch GS water main installed in 1938, approximately 800 LF of 2-inch GS water main installed in 1938, and approximately 1,300 LF of 6-inch ST water main installed in 1908 and 1976. The existing water mains to be replaced have 20 recorded water main leaks. The cost to complete this project is estimated to be $312,721. See Appendix 9.4.3 for the map depicting the project limits and the detailed cost estimate.

Project 49

Install approximately 700 LF of 6-inch DI replacement pipe with polywrap and replace 12 service connections along Park Avenue. This project will replace approximately 650 LF of 2-inch GS water main installed in 1920 and 1967; approximately 300 LF of 4-inch GS water main installed in 1922; and approximately 250 LF of 6-inch ST water main installed in 1922 on Second Street. The existing water mains to be replaced have 16 recorded water main leaks. The cost to complete this project is estimated to be $98,070. See Appendix 9.4.3 for the map depicting the project limits and the detailed cost estimate.

Project 50

Install approximately 600 LF of 6-inch DI replacement pipe with polywrap and replace 11 service connections along Brophy Avenue. This project will replace approximately 400 LF of 1-inch GS water main installed in 1944 and approximately 200 LF of 2-inch CU water main installed in 1980 on Brophy Avenue. The existing water mains to be replaced have 2 recorded service line leaks and 13 recorded water main leaks. The cost to complete this project is estimated to be $76,802. See Appendix 9.4.3 for the map depicting the project limits and the detailed cost estimate.

Project 51

Install approximately 1,000 LF of 6-inch DI replacement pipe with polywrap and replace 7 service connections along Cole Avenue. This project will replace approximately 800 LF of 6-inch ST water main installed in 1908 and approximately 150 LF of 8-inch ST water main installed in 1908 on Cole Avenue. The existing water mains to be replaced have 6 recorded service line leaks and 8 recorded water main leaks. The cost to complete this project is estimated to be $112,905. See Appendix 9.4.3 for the map depicting the project limits and the detailed cost estimate.

Project 52

Install approximately 400 LF of 6-inch DI replacement pipe with polywrap and replace 7 service connections along Church Street from Clawson Avenue to Sowels Avenue. This project will replace approximately 300 LF of 4-inch ST water main installed in 1930, 1975, and 1978 and approximately 100 LF of 6-inch ST water main installed in 1908 on Church Street. The existing water mains to be replaced have 1 recorded service line leak and 11 recorded water main

leaks. The cost to complete this project is estimated to be $57,503. See Appendix 9.4.3 for the map depicting the project limits and the detailed cost estimate.

7.5. Conclusions

Water losses in the Bisbee water system have been managed well, considering that the average age of the water mains in the system is over 65 years. The leak and break history of the Bisbee water system is well documented. The Company uses various types of leak detection equipment to help locate and repair leaks in a timely manner, however, miles of water mains have reached the end of their useful lives and need to be replaced. Based on the historical rate of water main replacement, it will take over 170 years to replace the existing water mains.

There are three critical geographic areas in the Bisbee water system where water mains need to be replaced: the Warren, Old Bisbee, and Don Luis areas, which have shown a significant number of water main and service line leaks and breaks. A specific replacement program has been developed to reduce water losses for these three areas and to help comply with the Commission directive under Decision No. 71945 by replacing aging water mains and service lines. Replacement of the aging and failing water mains and service lines over the next 10 years equates to a annual replacement program of over $2.0 million. A replacement program of this magnitude would significantly increase water rates. The Company proposed a more reasonable initial three-year replacement program and estimates the annual cost of this initial three-year infrastructure replacement program to be $500,000 for the Bisbee water system.

Within months after the Commission's directions to reduce water loss, the Company began the design and construction of several replacement projects in the Bisbee water system. These projects include:

Project 1

Install approximately 1,960 LF of 6-inch and 8-inch DI replacement pipe with polywrap and replace 45 service connections along Campbell Street and Cole Avenue. This project will replace approximately 460 LF of 8-inch ST, 1,500 LF of 6-inch ST, and replace 45 service connections that were installed in 1908. The existing water mains had 32 leaks in the last ten years. The cost to complete this project is estimated to be $375,720.

Project 2

Install approximately 1,140 LF of 6-inch and 8-inch DI replacement pipe with polywrap and replace 17 service connections along Clawson Avenue. This project will replace approximately 40 LF of 6-inch ST, 1,100 LF of 8-inch ST, and replace 17 service connections that were installed in 1908. The existing water mains had over 70 leaks. The cost to complete this project is estimated to be $193,147.

Construction on these two projects has been completed.

8.0 REFERENCES

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Appendices

APPENDICES

9.0

APPENDIX

9.1

Leak and Break Repair History

APPENDIX

9.1.1

Leak and Break Repair History

Superstition Division

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
Apache Junction																						
001-98	1/9/1998	NE	13	1N	8E	5727 E FOREST STREET	14	SERVICE REPLACEMENT						X								
002-98	1/15/1998	SE	25	1N	8E	6084 E 20TH AVENUE	4	SERVICE REPLACEMENT														
003-98	1/22/1998	SW	13	1N	7E	514 N 110TH STREET	4	SERVICE REPLACEMENT								1	POLY	3/4				1998
004-98	1/31/1998	NE	25	1N	7E	11412 E MARGUERITE AVENUE	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1959
005-98	1/31/1998	NW	20	1N	8E	1110 W ROOSEVELT STREET	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1980
006-98	1/31/1998	SE	9	1S	9E	10523 E SLEEPY HOLLOW TRAIL	18	SERVICE REPLACEMENT								1	POLY	1				1981
007-98	2/2/1998	SE	24	1N	7E	11336 E 6TH AVENUE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1963
008-98	2/5/1998	SW	14	1N	7E	715 N 102ND PLACE	6	SERVICE REPLACEMENT								1	POLY	3/4				1973
009-98	2/6/1998	NE	24	1N	7E	11313 E BOISE STREET	8	SERVICE REPLACEMENT						X		2	POLY	1				1980
010-98	2/12/1998	SW	9	1S	9E	10181 E HUMMINGBIRD LANE	10	SERVICE REPLACEMENT								1	POLY	1				1980
011-98	2/13/1998	NW	30	1N	8E	1500 S WARNER DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1977
012-98	3/3/1998	NW	19	1N	8E	2449 W OHIO STREET	9	SERVICE REPLACEMENT								1	POLY	3/4				1959
013-98	3/13/1998	NE	30	1N	8E	1041 S DELAWARE DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1963
014-98	3/17/1998	NE	19	1N	8E	234 N PALO VERDE DRIVE	4	SERVICE REPLACEMENT								1	POLY	3/4				1962
015-98	3/17/1998	NW	20	1N	8E	451 N IRONWOOD DRIVE	4	SERVICE REPLACEMENT								1	POLY	3/4				1963
016-98	4/4/1998	NE	12	1N	8E	3724 N LA BARGE ROAD	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
017-98	4/13/1998	NW	30	1N	8E	1343 S WARNER DRIVE	8	SERVICE REPLACEMENT								1	POLY	3/4				1976
018-98	4/28/1998	SE	29	1N	8E	567 W 20TH AVENUE	9	SERVICE REPLACEMENT								1	POLY	3/4				1978
019-98	5/1/1998	SE	27	1N	8E	1980 S HILTON ROAD	6	SERVICE REPLACEMENT								1	POLY	3/4				1979
020-98	5/12/1998	NW	30	1N	8E	990 S CEDAR DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1979
021-98	5/29/1998	SE	18	1N	8E	1123 N GRAND DRIVE	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1974
022-98	6/9/1998	SE	17	1N	8E	441 W ROUNDUP STREET	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1982
023-98	6/11/1998	SW	22	1N	8E	200 S WICKIUP ROAD	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
024-98	6/12/1998	NW	25	1N	8E	5380 E 12TH AVENUE	9	SERVICE REPLACEMENT								1	POLY	3/4				1976
025-98	7/29/1998	SW	20	1N	8E	637 S SILVER DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1970
026-98	8/5/1998	NW	19	1N	8E	2975 W SUPERSTITION BOULEVARD	3	SERVICE REPAIR						X			POLY	3/4				1977
027-98	8/11/1998	SE	29	1N	8E	627 W 16TH AVENUE	32	SERVICE REPLACEMENT								2	POLY	1				1963
028-98	8/12/1998	SE	20	1N	8E	725 W APACHE TRAIL	18	SERVICE REPLACEMENT								1	POLY	1				1979
029-98	8/12/1998	NE	19	1N	8E	2031 W GREGORY STREET	28	SERVICE REPLACEMENT						X		1	POLY	3/4				1962
030-98	8/24/1998	SE	21	1N	8E	953 E 2ND AVENUE	6	SERVICE REPLACEMENT								1	POLY	3/4				1984
031-98	8/25/1998	NW	27	1N	8E	841 S WICKIUP ROAD	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1978
032-98	8/25/1998	NW	20	1N	8E	648 N THUNDERBIRD DRIVE	6	SERVICE REPLACEMENT								1	POLY	3/4				1980
033-98	8/25/1998	SE	14	1N	8E	4617 E GREASEWOOD STREET	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1969
034-98	9/1/1998	NE	9	1S	9E	5842 S EASY STREET	6	SERVICE REPLACEMENT						X		2	POLY	1				1979
035-98	9/2/1998	NE	22	1N	8E	431 N ACACIA ROAD	8	SERVICE REPLACEMENT								1	POLY	3/4				1978
036-98	9/2/1998	SE	27	1N	8E	2949 E 20TH AVENUE	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1979
037-98	9/6/1998	SE	24	1N	7E	11522 E 4TH AVENUE	28	SERVICE REPLACEMENT						X		1	POLY	1				1982
038-98	9/7/1998	SE	24	1N	7E	11301 E 4TH AVENUE	15	SERVICE REPLACEMENT								1	POLY	3/4				1982
039-98	9/21/1998	SW	13	1N	8E	4928 E RAWHIDE STREET	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1966
040-98	9/21/1998	NE	13	1N	8E	1724 N LA BARGE ROAD	2	SERVICE REPAIR								1	POLY	3/4				1966
041-98	10/13/1998	NE	24	1N	7E	11313 E BOISE STREET	8	SERVICE REPLACEMENT								1	POLY	3/4				1980

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
042-98	10/25/1998	NE	30	1N	8E	1521 S DELAWARE DRIVE	18	SERVICE REPLACEMENT								1	POLY	3/4				1963
043-98	10/25/1998	NW	25	1N	7E	11118 E CRESCENT AVENUE	4	SERVICE REPAIR						X			POLY	3/4				1962
044-98	10/28/1998	NE	22	1N	8E	554 N ACACIA ROAD	8	SERVICE REPLACEMENT								1	POLY	3/4				1978
045-98	10/30/1998	SW	25	1N	7E	10855 E LA SALLE STREET	5	SERVICE REPLACEMENT								1	POLY	3/4				1973
046-98	11/12/1998	SE	13	1N	8E	5962 E SIESTA STREET	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1978
047-98	11/13/1998	NW	19	1N	8E	2627 GREGORY STREET	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1970
048-98	11/16/1998	SE	17	1N	8E	175 W TEPEE STREET	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1974
049-98	11/17/1998	SE	22	1N	8E	2760 E BROADWAY AVENUE	6	SERVICE REPLACEMENT								1	POLY	3/4				1973
050-98	11/18/1998	SW	18	1N	8E	2690 W ROUNDUP STREET	6	SERVICE REPLACEMENT						X		4	POLY	1				1972
051-98	11/19/1998	SE	24	1N	7E	341 S ELMONT DRIVE	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1983
052-98	11/20/1998	SW	25	1N	8E	1675 S MOUNTAIN VIEW ROAD	8	SERVICE REPLACEMENT								1	POLY	3/4				1979
053-98	11/23/1998	SW	25	1N	7E	11137 E PUEBLO AVENUE	6	SERVICE REPLACEMENT								1	POLY	3/4				1973
054-98	11/25/1998	NE	18	1N	8E	2237 W FOOTHILL STREET	15	SERVICE REPLACEMENT						X		1	POLY	3/4				1980
055-98	12/8/1998	SW	25	1N	8E	2051 S MOUNTAIN VIEW ROAD	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1979
056-98	12/9/1998	SE	24	1N	7E	11435 E 4TH AVENUE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1982
001-99	1/5/1999	NE	27	1N	8E	2450 E 15TH AVENUE	6	SERVICE REPLACEMENT								1	POLY	3/4				1974
002-99	1/12/1999	NE	8	1S	9E	6010 S KINGS RANCH ROAD	10	SERVICE REPLACEMENT						X		2	POLY	1				1979
003-99	1/15/1999	NE	30	1N	8E	922 S MARA DRIVE	8	SERVICE REPLACEMENT								1	POLY	3/4				1971
004-99	1/26/1999	NE	29	1N	8E	97 W 14TH AVENUE	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
005-99	1/27/1999	NE	19	1N	8E	546 N OCOTILLO DRIVE	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1963
006-99	1/27/1999	NE	30	1N	8E	1553 S OCOTILLO DRIVE	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
007-99	1/28/1999	NW	19	1N	8E	2430 W APACHE TRAIL	4	SERVICE REPLACEMENT								1	POLY	3/4				1968
008-99	2/3/1999	NW	20	1N	8E	543 N IRONWOOD DRIVE	6	SERVICE REPLACEMENT								1	POLY	3/4				1963
009-99	2/18/1999	SE	20	1N	8E	461 W APACHE TRAIL	10	SERVICE REPLACEMENT								1	POLY	3/4				1962
010-99	2/24/1999	NE	30	1N	8E	1147 S DELAWARE DRIVE	20	SERVICE REPLACEMENT						X		1	POLY	3/4				1963
011-99	3/5/1999	NW	30	1N	8E	1502 S CEDAR DRIVE	20	SERVICE REPLACEMENT								1	POLY	3/4				1979
012-99	3/8/1999	NE	19	1N	8E	1680 W APACHE TRAIL	9	SERVICE REPLACEMENT								1	CU	3/4				1989
013-99	3/17/1999	SE	22	1N	8E	745 S STARR ROAD	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1974
014-99	3/24/1999	SW	14	1N	7E	437 N 100TH PLACE	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1978
015-99	3/26/1999	NE	20	1N	8E	350 W APACHE TRAIL	12	SERVICE REPLACEMENT								1	POLY	3/4				1978
016-99	3/29/1999	SW	18	1N	8E	1265 N WARNER DRIVE	6	SERVICE REPLACEMENT								1	POLY	3/4				1972
017-99	3/29/1999	NW	30	1N	8E	1490 S WARNER DRIVE	6	SERVICE REPLACEMENT								1	POLY	3/4				1977
018-99	4/1/1999	NE	27	1N	8E	1589 S STARR ROAD	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1975
019-99	4/6/1999	NW	9	1S	9E	10011 E LA PALMA AVENUE	6	SERVICE REPLACEMENT						X		1	POLY	1				1981
020-99	4/7/1999	SE	18	1N	8E	905 N OCOTILLO DRIVE	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1970
021-99	4/8/1999	SE	18	1N	8E	985 N OCOTILLO DRIVE	10	SERVICE REPLACEMENT						X		1	POLY	3/4				1970
022-99	4/9/1999	NW	25	1N	7E	11137 E BROADWAY ROAD	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1962
023-99	4/19/1999	NE	26	1N	7E	10711 E BROADWAY ROAD	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1961
024-99	4/19/1999	NE	25	1N	7E	11412 E WIER AVENUE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1979
025-99	4/21/1999	NE	25	1N	7E	11345 E MARGUERITE AVENUE	12	SERVICE REPLACEMENT								1	POLY	3/4				1975
026-99	4/23/1999	NW	24	1N	8E	4995 E ROOSEVELT STREET	12	SERVICE REPLACEMENT								1	POLY	3/4				1979
027-99	4/23/1999	NW	24	1N	8E	4995 E ROOSEVELT STREET	12	SERVICE REPLACEMENT								1	POLY	3/4				1979

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
028-99	4/27/1999	NE	30	1N	8E	959 S OCOTILLO DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
029-99	4/29/1999	NW	20	1N	8E	264 N THUNDERBIRD DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1979
030-99	5/4/1999	SE	14	1N	8E	4674 E ROUNDUP STREET	10	SERVICE REPLACEMENT						X		1	POLY	3/4				1969
031-99	5/4/1999	NW	22	1N	8E	181 N CHAPARRAL ROAD	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1972
032-99	5/10/1999	NW	27	1N	8E	2330 E 10TH AVENUE	20	SERVICE REPLACEMENT						X		1	POLY	3/4				1979
033-99	5/14/1999	SW	13	1N	7E	568 N 111TH STREET	6	SERVICE REPLACEMENT								1	POLY	3/4				1964
034-99	5/19/1999	SE	9	1S	8E	ALHAMBRA WAY & BREATHLESS DRIVE	20	SERVICE REPLACEMENT								1	POLY	1				1981
035-99	5/19/1999	SW	18	1N	8E	923 N WARNER DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1972
036-99	5/20/1999	SE	25	1N	8E	6360 E 22ND AVENUE	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1980
037-99	5/21/1999	NE	30	1N	8E	1951 W 9TH AVENUE	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1971
038-99	5/28/1999	SW	9	1S	9E	10253 E HUMMINGBIRD LANE	24	SERVICE REPLACEMENT						X		1	POLY	1				1980
039-99	5/31/1999	NE	30	1N	8E	1165 S DELAWARE DRIVE	20	SERVICE REPLACEMENT						X		1	POLY	3/4				1963
040-99	6/2/1999	NW	25	1N	8E	1375 S MOUNTAIN VIEW ROAD	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1979
041-99	6/2/1999	SE	23	1N	8E	4666 E BROADWAY AVENUE	8	SERVICE REPLACEMENT								1	POLY	3/4				1972
042-99	6/4/1999	NE	27	1N	8E	2588 E 15TH AVENUE	4	SERVICE REPLACEMENT								1	POLY	3/4				1974
043-99	6/10/1999	NE	21	1N	8E	355 E JUNCTION STREET	6	SERVICE REPAIR									CU	3/4				1997
044-99	6/15/1999	NE	9	1S	9E	9987 E LA PALMA AVENUE	32	SERVICE REPLACEMENT								1	POLY	1				1979
045-99	6/23/1999	SE	24	1N	7E	11341 E 4TH AVENUE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1982
046-99	7/4/1999	SW	20	1N	8E	321 S SILVER DRIVE	8	SERVICE REPLACEMENT								1	POLY	3/4				1970
047-99	7/6/1999	SE	17	1N	8E	1368 N PLAZA DRIVE	4	SERVICE REPAIR						X			POLY	3/4				1973
048-99	7/7/1999	SW	25	1N	7E	11020 E GROVE STREET	18	SERVICE REPLACEMENT								2	POLY	3/4				1973
049-99	7/8/1999	NE	9	1S	9E	11086 E HUMMINGBIRD LANE	9	SERVICE REPLACEMENT						X		1	POLY	1				1980
050-99	7/8/1999	SW	18	1N	8E	1480 N DESERT VIEW DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1972
051-99	7/13/1999	NE	21	1N	8E	938 E SCENIC STREET	9	SERVICE REPLACEMENT								1	POLY	3/4				1974
052-99	7/19/1999	NE	17	1N	8E	680 W FOOTHILL STREET	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1980
053-99	7/21/1999	NE	27	1N	8E	1372 S STARR ROAD	8	SERVICE REPLACEMENT								1	POLY	3/4				1974
054-99	7/25/1999	NW	19	1N	8E	2574 W CACTUS WREN STREET	12	SERVICE REPLACEMENT						X		2	POLY	1				1970
055-99	7/26/1999	NE	30	1N	8E	1584 S GRAND DRIVE	8	SERVICE REPLACEMENT								1	POLY	3/4				1963
056-99	7/26/1999	SW	20	1N	8E	1474 W 2ND AVENUE	36	SERVICE REPLACEMENT						X		2	POLY	1				1970
057-99	7/28/1999	SW	21	1N	8E	417 S WINCHESTER ROAD	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1982
058-99	7/31/1999	NE	30	1N	8E	1241 S DELAWARE DRIVE	36	SERVICE REPLACEMENT						X		1	POLY	3/4				1963
059-99	8/3/1999	SW	20	1N	8E	353 S SILVER DRIVE	18	SERVICE REPLACEMENT						X		1	POLY	3/4				1970
060-99	8/4/1999	SE	17	1N	8E	1373 N SAN MARCOS DRIVE	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
061-99	8/4/1999	SE	17	1N	8E	681 W SHIPROCK STREET	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
062-99	8/4/1999	SE	17	1N	8E	1355 N SAN MARCOS DRIVE	16	SERVICE REPLACEMENT						X		1	POLY	3/4				1975
063-99	8/4/1999	SE	17	1N	8E	1370 N MONTEREY DRIVE	16	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
064-99	8/5/1999	SE	21	1N	8E	340 S BELAIRE ROAD	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1979
065-99	8/9/1999	NW	32	1N	8E	801 W SOUTHERN AVENUE	12	SERVICE REPAIR									GS	2				1981
066-99	8/10/1999	NW	22	1N	8E	2056 S SCENIC STREET	6	SERVICE REPLACEMENT								1	POLY	3/4				1974
067-99	8/11/1999	SE	24	1N	8E	603 S PROSPECTOR ROAD	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1961
068-99	8/11/1999	NE	17	1N	8E	668 W TEPEE STREET	8	SERVICE REPLACEMENT								1	POLY	3/4				1977
069-99	8/12/1999	NE	9	1S	9E	6033 S ALHAMBRA WAY	18	SERVICE REPLACEMENT						X		2	POLY	1				1979

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
070-99	8/12/1999	NE	30	1N	8E	1276 S OCOTILLO DRIVE	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1963
071-99	8/19/1999	SW	18	1N	8E	2986 W MOCKINGBIRD STREET	6	SERVICE REPLACEMENT								1	POLY	3/4				1971
072-99	8/25/1999	SE	9	1S	9E	6279 S ALHAMBRA WAY	12	SERVICE REPLACEMENT						X		1	POLY	1				1980
073-99	8/26/1999	SE	21	1N	8E	357 S WINCHESTER ROAD	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1971
074-99	8/27/1999	NE	25	1N	7E	11345 E MARGUERITE AVENUE	12	SERVICE REPLACEMENT								1	POLY	3/4				1975
075-99	9/1/1999	SE	20	1N	8E	461 W APACHE TRAIL	4	SERVICE REPAIR									POLY	3/4				1962
076-99	9/2/1999	SE	20	1N	8E	486 S PINO CIRCLE	16	SERVICE REPLACEMENT						X		1	POLY	3/4				1976
077-99	9/2/1999	SE	15	1N	8E	888 N ACACIA ROAD	16	SERVICE REPLACEMENT								1	POLY	3/4				1970
078-99	9/7/1999	NE	21	1N	8E	942 E SCENIC STREET	4	SERVICE REPLACEMENT								1	POLY	3/4				1964
079-99	9/7/1999	SW	9	1S	9E	6275 S ALAMEDA ROAD	24	SERVICE REPLACEMENT								1	POLY	1				1980
080-99	9/10/1999	SE	17	1N	8E	1562 N IDAHO ROAD	12	SERVICE REPLACEMENT								1	POLY	3/4				1974
081-99	9/13/1999	SE	18	1N	8E	1834 W ROUNDUP STREET	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1972
082-99	9/14/1999	SW	17	1N	8E	1074 N GOLD DRIVE	14	SERVICE REPLACEMENT								2	POLY	1				1980
083-99	9/14/1999	SE	25	1N	8E	6255 E 20TH AVENUE	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1979
084-99	9/17/1999	NW	19	1N	8E	2645 - 2678 W CACTUS WREN STREET	9	SERVICE REPLACEMENT						X		4	POLY	1				1970
085-99	9/22/1999	SE	13	1N	7E	ON DOVER STREET WEST OF TAMBOR	24	SERVICE REPLACEMENT								1	CU	1				1998
086-99	9/24/1999	NE	30	1N	8E	903 S SAGUARO DRIVE	16	SERVICE REPLACEMENT						X		2	POLY	1				1971
087-99	9/27/1999	NE	30	1N	8E	1319 S GRAND DRIVE	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1963
088-99	9/28/1999	NE	9	1S	9E	LOT 25 ON CORDOVA STREET EAST OF ALHAMBRA W/	4	SERVICE REPLACEMENT								1	POLY	3/4				1979
089-99	9/28/1999	NE	22	1N	8E	668 N HILTON ROAD	10	SERVICE REPLACEMENT								1	POLY	3/4				1968
090-99	9/28/1999	SE	20	1N	8E	636 W SIERRA VISTA DRIVE	12	SERVICE REPLACEMENT								2	POLY	1				1977
091-99	9/30/1999	NE	30	1N	8E	1776 W 9TH AVENUE	16	SERVICE REPLACEMENT								4	POLY	1				1971
092-99	9/30/1999	NE	29	1N	8E	153 W 15TH AVENUE	11	SERVICE REPLACEMENT								3	POLY	3/4				1973
093-99	10/3/1999	NW	24	1N	8E	5380 E CACTUS WREN STREET	21	SERVICE REPLACEMENT						X		1	POLY	3/4				1980
094-99	10/5/1999	SW	9	1S	9E	9895 E SLEEPY HOLLOW TRAIL	6	SERVICE REPLACEMENT								1	POLY	1				1981
095-99	10/12/1999	NE	9	1S	9E	5679 S EASY STREET	6	SERVICE REPLACEMENT						X		1	POLY	1				1979
096-99	10/13/1999	NW	12	1N	8E	3451 N VAL VISTA ROAD	4	SERVICE REPLACEMENT								1	POLY	3/4				1978
097-99	10/14/1999	SE	20	1N	8E	431 W APACHE TRAIL	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1962
098-99	10/19/1999	SE	27	1N	8E	3032 E 18TH AVENUE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1979
099-99	10/19/1999	SW	18	1N	8E	2687 W COYOTE STREET	18	SERVICE REPLACEMENT								1	POLY	3/4				1972
100-99	10/22/1999	NW	9	1S	9E	5950 S ALAMEDA ROAD	24	SERVICE REPLACEMENT								1	POLY	1				1984
101-99	10/27/1999	NW	27	1N	8E	1491 S CONESTOGA ROAD	32	SERVICE REPLACEMENT						X		1	POLY	3/4				1980
102-99	10/27/1999	NW	30	1N	8E	1543 S WARNER DRIVE	6	SERVICE REPLACEMENT								1	POLY	3/4				1977
103-99	11/1/1999	SW	22	1N	8E	2077 E 4TH AVENUE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1974
104-99	11/2/1999	SE	21	1N	8E	444 S CACTUS ROAD	4	SERVICE REPLACEMENT								1	POLY	3/4				1977
105-99	11/3/1999	SW	19	1N	8E	3050 W 4TH AVENUE	2	SERVICE REPAIR						X			POLY	3/4				1969
106-99	11/5/1999	NE	25	1N	7E	11411 E CRESCENT AVENUE	10	SERVICE REPLACEMENT						X		2	POLY	1				1971
107-99	11/17/1999	NE	19	1N	8E	1932 W GREGORY STREET	6	SERVICE REPLACEMENT								1	POLY	3/4				1962
108-99	11/17/1999	NE	21	1N	8E	389 N ROYAL PALM ROAD	6	SERVICE REPLACEMENT								1	POLY	3/4				1974
109-99	11/19/1999	NE	30	1N	8E	1351 S OCOTILLO DRIVE	2	SERVICE REPAIR						X			POLY	3/4				1973
110-99	11/23/1999	NW	30	1N	8E	1307 S HALE DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1970
111-99	11/24/1999	SW	25	1N	8E	1863 S SIXSHOOTER ROAD	14	SERVICE REPLACEMENT						X		1	POLY	3/4				1973

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
112-99	11/24/1999	SE	12	1N	8E	2650 N PROSPECTOR ROAD	15	SERVICE REPLACEMENT						X		1	POLY	3/4				1976
113-99	11/30/1999	NW	13	1N	8E	5072 E PIONEER STREET	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1981
114-99	12/1/1999	NE	17	1N	8E	552 W TEPEE STREET	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1975
115-99	12/2/1999	NE	18	1N	8E	1911 N DELAWARE DRIVE	14	SERVICE REPLACEMENT								1	POLY	3/4				1980
116-99	12/3/1999	NE	21	1N	8E	144 N CACTUS ROAD	12	SERVICE REPLACEMENT								1	POLY	3/4				1980
117-99	12/6/1999	NE	30	1N	8E	1349 S OCOTILLO DRIVE	6	SERVICE REPLACEMENT								1	POLY	3/4				1973
118-99	12/7/1999	NE	21	1N	8E	820 E JUNCTION STREET	6	SERVICE REPLACEMENT								2	POLY	3/4				1978
119-99	12/8/1999	SW	9	1S	9E	9685 E PALERMO AVENUE	10	SERVICE REPLACEMENT								2	POLY	1				1983
120-99	12/9/1999	NE	13	1N	8E	6121 E FOREST STREET	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1961
121-99	12/10/1999	NW	30	1N	8E	3109 W 9TH PLACE	10	SERVICE REPLACEMENT								1	POLY	3/4				1969
122-99	12/12/1999	NE	18	1N	8E	1911 N DELAWARE DRIVE	12	SERVICE REPLACEMENT								1	POLY	3/4				1980
123-99	12/14/1999	SE	20	1N	8E	452 S PICANA CIRCLE	8	SERVICE REPLACEMENT						X		2	POLY	1				1976
001-00	1/5/2000	NW	30	1N	8E	2763 W 14TH AVENUE	6	SERVICE REPLACEMENT								1	POLY	3/4				1972
002-00	1/10/2000	NE	20	1N	8E	666 N IDAHO ROAD	6	SERVICE REPLACEMENT						X		1	POLY	1				1986
003-00	1/10/2000	SW	21	1N	8E	325 S WINCHESTER ROAD	4	SERVICE REPLACEMENT								1	POLY	3/4				1971
004-00	1/16/2000	NW	19	1N	8E	517 N DESERT VIEW DRIVE	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1959
005-00	1/17/2000	NE	30	1N	8E	1185 S OCOTILLO DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1978
006-00	1/18/2000	SE	24	1N	7E	11319 E 4TH AVENUE	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1982
007-00	1/19/2000	SE	24	1N	7E	101 S MOUNTAIN ROAD	6	SERVICE REPLACEMENT								1	POLY	3/4				1963
008-00	1/19/2000	SE	24	1N	7E	103 S MOUNTAIN ROAD	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1963
009-00	1/25/2000	NW	27	1N	8E	1424 S CONESTOGA ROAD	12	SERVICE REPLACEMENT								1	POLY	3/4				1980
010-00	1/27/2000	NE	23	1N	7E	10433 E BOISE STREET	21	SERVICE REPLACEMENT						X		4	POLY	1				1969
011-00	1/31/2000	NE	26	1N	7E	502 S SIGNAL BUTTE ROAD	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1961
012-00	2/3/2000	NE	25	1N	7E	528 S MERIDIAN ROAD	4	MAIN REPAIR	X											GS	2	1971
013-00	2/28/2000	SW	25	1N	7E	GROVE STREET & CAP CANAL	12	MAIN REPAIR	X											DIP	6	1985
014-00	3/1/2000	SE	17	1N	8E	926 N MONTEREY DRIVE	16	SERVICE REPAIR									GS	2				2002
015-00	3/3/2000	SW	19	1N	8E	473 W LAWSON DRIVE	15	MAIN REPLACEMENT	X										8	GS	1 1/4	1955
016-00	3/7/2000	NE	22	1N	8E	2715 E SUPERSTITION BOULEVARD	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1974
017-00	3/8/2000	NW	30	1N	8E	1587 S HALE DRIVE	4	SERVICE REPLACEMENT								1	POLY	3/4				1970
018-00	3/8/2000	NE	24	1N	7E	MERIDIAN ROAD & UNIVERSITY DRIVE	24	MAIN REPAIR	X											DIP	20	1997
019-00	3/9/2000	NE	30	1N	8E	1337 S DELAWARE DRIVE	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1963
020-00	3/10/2000	NE	30	1N	8E	1243 S LAWTHER DRIVE	4	SERVICE REPLACEMENT								1	POLY	3/4				1963
021-00	3/13/2000	NE	30	1N	8E	1265 S LAWTHER DRIVE	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1963
022-00	3/13/2000	SW	9	1S	9E	10310 E HUMMINGBIRD LANE	8	SERVICE REPLACEMENT						X		1	POLY	1				1980
023-00	3/14/2000	SW	20	1N	8E	1380 W 2ND AVENUE	18	SERVICE REPLACEMENT								1	POLY	3/4				1970
024-00	3/16/2000	NE	25	1N	8E	6335 E BROADWAY AVENUE	32	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
025-00	3/23/2000	SE	24	1N	8E	235 S PROSPECTOR ROAD	32	SERVICE REPLACEMENT								1	POLY	3/4				1983
026-00	3/27/2000	NE	19	1N	8E	2030 W GREGORY STREET	4	SERVICE REPLACEMENT								1	POLY	3/4				1962
027-00	3/30/2000	NE	30	1N	8E	1373 S DELAWARE DRIVE	10	SERVICE REPLACEMENT								1	POLY	3/4				1963
028-00	4/4/2000	NE	7	1S	9E	7186 E PALO BREA DRIVE	4	SERVICE REPAIR									CU	1				1998
029-00	4/6/2000	NE	29	1N	8E	1486 S BUENA VISTA DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1976
030-00	4/6/2000	NE	29	1N	8E	1455 S SAN MARCOS DRIVE	6	SERVICE REPLACEMENT								1	POLY	3/4				1976

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
031-00	4/7/2000	NW	6	1S	9E	6513 E HACIENDA LA COLORADA DRIVE	15	SERVICE REPLACEMENT						X		1	CU	1				1997
032-00	4/7/2000	NW	19	1N	8E	224 N PINYON DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1970
033-00	4/11/2000	NW	24	1N	8E	4980 E ROOSEVELT STREET	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1979
034-00	4/18/2000	SW	14	1N	7E	521 N CRISMON ROAD	6	SERVICE REPLACEMENT								1	POLY	3/4				1978
035-00	5/1/2000	NE	29	1N	8E	1567 S SAN MARCOS DRIVE	4	SERVICE REPLACEMENT						X		2	POLY	1				1976
036-00	5/2/2000	SW	17	1N	8E	510 N GOLD DRIVE	12	SERVICE REPLACEMENT								1	POLY	3/4				1975
037-00	5/4/2000	NW	30	1N	8E	870 S WARNER DRIVE	15	SERVICE REPLACEMENT						X		2	POLY	1				1976
038-00	5/4/2000	NW	19	1N	8E	2539 W SCENIC STREET	9	SERVICE REPAIR						X		1	POLY	3/4				1962
039-00	5/5/2000	NW	25	1N	8E	MOUNTAIN VIEW ROAD & 12TH AVENUE	40	MAIN REPAIR	X											CA	12	1979
040-00	5/8/2000	NE	30	1N	8E	1391 S OCOTILLO DRIVE	8	SERVICE REPLACEMENT								1	POLY	3/4				1973
041-00	5/17/2000	NW	25	1N	7E	11011 E ELTON AVENUE	15	SERVICE REPLACEMENT						X		2	POLY	1				1978
042-00	5/20/2000	SW	19	1N	8E	2767 W 5TH AVENUE	24	SERVICE REPLACEMENT						X		1	POLY	3/4				1955
043-00	5/20/2000	SW	19	1N	8E	2767 W 5TH AVENUE	8	MAIN REPAIR	X											GS	2	1955
044-00	5/22/2000	NW	19	1N	8E	2560 W GREGORY STREET	24	SERVICE REPLACEMENT						X		2	POLY	1				1970
045-00	5/25/2000	NW	20	1N	8E	1151 W VIRGINIA STREET	8	SERVICE REPLACEMENT								1	POLY	3/4				1980
046-00	5/26/2000	SW	14	1N	7E	450 N 100TH PLACE	12	SERVICE REPLACEMENT								1	POLY	3/4				1978
047-00	6/1/2000	NE	21	1N	8E	30 N TOMAHAWK ROAD	21	SERVICE REPLACEMENT						X		1	POLY	3/4				1977
048-00	6/1/2000	NW	25	1N	8E	BROADWAY AVENUE & VAL VISTA ROAD	24	SERVICE REPLACEMENT								4	POLY	3/4				1972
049-00	6/9/2000	NE	24	1N	8E	163 N 113TH WAY	8	SERVICE REPLACEMENT								2	POLY	3/4				1970
050-00	6/9/2000	NE	25	1N	7E	11439 E MARGUERITE AVENUE	20	SERVICE REPLACEMENT						X		2	POLY	1				1971
051-00	6/12/2000	SW	30	1N	8E	2101 S MERIDIAN ROAD	6	SERVICE REPLACEMENT								1	POLY	3/4				1974
052-00	6/13/2000	SE	27	1N	8E	2935 E 18TH AVENUE	15	SERVICE REPLACEMENT								1	POLY	3/4				1977
053-00	6/14/2000	NE	30	1N	8E	1065 S DELAWARE DRIVE	20	SERVICE REPLACEMENT								1	POLY	3/4				1963
054-00	6/14/2000	SE	20	1N	8E	437 S PICANA CIRCLE	21	SERVICE REPLACEMENT						X		2	POLY	1				1976
055-00	6/15/2000	NE	30	1N	8E	1235 S OCOTILLO DRIVE	18	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
056-00	6/15/2000	NW	30	1N	8E	DESERT VIEW DRIVE & LAWSON DRIVE	6	MAIN REPAIR	X											GS	2	1955
057-00	6/16/2000	SE	15	1N	8E	1145 N CORTEZ ROAD	9	SERVICE REPLACEMENT								1	POLY	3/4				1977
058-00	6/16/2000	NE	21	1N	8E	1061 E SUPERSTITION BOULEVARD	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1972
059-00	6/19/2000	SE	20	1N	8E	437 S PICANA CIRCLE	14	SERVICE REPLACEMENT						X		2	POLY	1				1976
060-00	6/21/2000	NE	20	1N	8E	185 N APACHE TRAIL	36	SERVICE REPLACEMENT								10	POLY	1				1978
061-00	6/21/2000	NE	21	1N	8E	614 N TOMAHAWK ROAD	15	SERVICE REPLACEMENT								1	POLY	3/4				1975
062-00	6/22/2000	NE	30	1N	8E	1183 S DELAWARE DRIVE	18	SERVICE REPLACEMENT						X		1	POLY	3/4				1963
063-00	6/22/2000	NW	22	1N	8E	2280 E SCENIC STREET	18	SERVICE REPLACEMENT								1	POLY	3/4				1974
064-00	6/26/2000	SE	8	1S	9E	6558 E FOOTHILL STREET	4	SERVICE REPAIR								2	POLY	1				1997
065-00	6/26/2000	NE	24	1N	7E	11313 E BOISE STREET	6	SERVICE REPLACEMENT								1	POLY	3/4				1980
066-00	6/26/2000	SW	25	1N	7E	11001 E PUEBLO AVENUE	24	SERVICE REPLACEMENT								1	POLY	3/4				1973
067-00	6/28/2000	SW	9	1S	9E	10275 E HUMMINGBIRD LANE	21	SERVICE REPLACEMENT								1	POLY	1				1980
068-00	7/5/2000	NW	19	1N	8E	2584 W GREGORY STREET	12	SERVICE REPLACEMENT						X		2	POLY	1				1970
069-00	7/6/2000	NE	30	1N	8E	1406 S PALO VERDE DRIVE	12	SERVICE REPLACEMENT								2	POLY	1				1977
070-00	7/7/2000	SE	29	1N	8E	1866 S BUENA VISTA DRIVE	12	SERVICE REPLACEMENT								2	POLY	3/4				1969
071-00	7/10/2000	SE	20	1N	8E	722 W ROSAL CIRCLE	24	MAIN REPLACEMENT	X										20	BLE POLY	2	1977
072-00	7/11/2000	SW	30	1N	8E	1821 S MERIDIAN ROAD	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1974

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
073-00	7/11/2000	SE	20	1N	8E	5TH AVENUE & HIGO CIRCLE	18	MAIN REPLACEMENT	X										40	BLE POLY	2	1976
074-00	7/11/2000	SE	20	1N	8E	5TH AVENUE & PINTO DRIVE	40	MAIN REPAIR	X										20	BLE POLY	2	1976
075-00	7/12/2000	NE	22	1N	8E	544 N HILTON ROAD	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1968
076-00	7/13/2000	NE	30	1N	8E	1335 S MARA DRIVE	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1979
077-00	7/14/2000	NE	29	1N	8E	190 W 16TH AVENUE	16	SERVICE REPLACEMENT								1	POLY	3/4				1973
078-00	7/17/2000	NE	25	1N	7E	11521 E BROADWAY ROAD	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1982
079-00	7/18/2000	NW	9	1S	9E	5461 S ALAMEDA ROAD	12	SERVICE REPLACEMENT								1	POLY	1				1982
080-00	7/20/2000	NE	24	1N	7E	11313 E BOISE STREET #23	12	SERVICE REPLACEMENT								2	POLY	1				1980
081-00	7/21/2000	SW	13	1N	7E	409 N 111TH STREET	18	SERVICE REPLACEMENT						X		1	POLY	3/4				1964
082-00	7/26/2000	SW	19	1N	8E	473 S LAWSON DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1955
083-00	7/26/2000	SW	19	1N	8E	405 S LAWSON DRIVE	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1955
084-00	7/26/2000	SW	19	1N	8E	405 S LAWSON DRIVE	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1955
085-00	7/27/2000	SW	19	1N	8E	2636 W 5TH AVENUE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1955
086-00	7/27/2000	SW	19	1N	8E	2551 W APACHE TRAIL	6	SERVICE REPLACEMENT								1	POLY	3/4				1955
087-00	7/27/2000	SW	19	1N	8E	2551 W APACHE TRAIL	6	SERVICE REPLACEMENT								1	POLY	3/4				1955
088-00	7/27/2000	SW	19	1N	8E	475 S LAWSON DRIVE	6	SERVICE REPLACEMENT								1	POLY	3/4				1955
089-00	7/29/2000	NE	18	1N	8E	2075 W SMOKETREE STREET	12	MAIN REPAIR	X											CA	6	1975
090-00	7/30/2000	SE	9	1S	9E	10793 E SUGAR CREEK DRIVE	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1981
091-00	7/30/2000	SE	9	1S	9E	10810 E SUGAR CREEK DRIVE	8	SERVICE REPLACEMENT								1	POLY	1				1981
092-00	7/30/2000	SE	9	1S	9E	11008 E SUGAR CREEK DRIVE	12	SERVICE REPLACEMENT								2	POLY	1				1981
093-00	7/30/2000	SE	9	1S	9E	10784 E SUGAR CREEK DRIVE	12	SERVICE REPLACEMENT								2	POLY	1				1981
094-00	7/30/2000	SE	9	1S	9E	10793 E SUGAR CREEK DRIVE	12	SERVICE REPLACEMENT						X		2	POLY	1				1981
095-00	7/31/2000	SW	20	1N	8E	444 S COPPER DRIVE	1	SERVICE REPAIR						X			POLY	3/4				1970
096-00	8/1/2000	SE	29	1N	8E	790 W SOUTHERN AVENUE	18	SERVICE REPLACEMENT						X		2	POLY	1				1988
097-00	8/2/2000	NW	30	1N	8E	1215 S MERIDIAN ROAD	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1970
098-00	8/3/2000	NE	25	1N	7E	538 S MERIDIAN ROAD	11	SERVICE REPLACEMENT						X		1	POLY	3/4				1971
099-00	8/3/2000	NE	25	1N	7E	11430 E CRESCENT AVENUE	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1969
100-00	8/5/2000	SE	22	1N	8E	713 S CORTEZ ROAD	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
101-00	8/7/2000	SW	14	1N	7E	551 N MERRILL ROAD	12	SERVICE REPLACEMENT								1	POLY	3/4				1975
102-00	8/11/2000	NW	30	1N	8E	1415 S MERIDIAN ROAD	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1970
103-00	8/14/2000	SE	20	1N	8E	722 W ROSAL CIRCLE	6	SERVICE REPAIR						X			GS	2				1977
104-00	8/16/2000	NE	23	1N	7E	10709 E BOULDER DRIVE	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1971
105-00	8/16/2000	SE	13	1N	8E	6222 E ROUNDUP STREET	2	SERVICE REPAIR						X			POLY	3/4				1974
106-00	8/16/2000	SE	24	1N	7E	65 S MOUNTAIN ROAD	8	SERVICE REPLACEMENT								2	POLY	1				1963
107-00	8/17/2000	SW	14	1N	7E	509 N 100TH PLACE	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1978
108-00	8/17/2000	SW	21	1N	8E	111 S OUTPOST ROAD	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1983
109-00	8/18/2000	NW	30	1N	8E	2824 W 9TH PLACE	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1961
110-00	8/18/2000	NW	29	1N	8E	1320 S PINTO DRIVE	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1971
111-00	8/18/2000	NE	22	1N	8E	363 N HILTON ROAD	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1976
112-00	8/19/2000	NE	23	1N	7E	10426 E ALBANY STREET	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1979
113-00	8/20/2000	NE	24	1N	7E	220 N 114TH STREET	24	SERVICE REPLACEMENT								1	POLY	3/4				1970
114-00	8/21/2000	SE	27	1N	8E	1929 S VAQUERO ROAD	4	SERVICE REPLACEMENT								1	POLY	3/4				1981

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
115-00	8/21/2000	NW	13	1N	8E	4884 E PIONEER STREET	18	SERVICE REPLACEMENT						X		1	POLY	3/4				1981
116-00	8/22/2000	NE	25	1N	7E	11509 E CRESCENT AVENUE	12	SERVICE REPLACEMENT						X		2	POLY	1				1980
117-00	8/23/2000	SW	25	1N	8E	1693 S SIXSHOOTER ROAD	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1981
118-00	8/24/2000	NW	30	1N	8E	1251 S DESERT VIEW PLACE	6	SERVICE REPLACEMENT								2	POLY	1				1970
119-00	8/25/2000	SE	25	1N	8E	1751 S GERONIMO ROAD	20	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
120-00	8/28/2000	SW	9	1S	9E	E HUMMINGBIRD LANE #56	6	SERVICE REPLACEMENT								1	POLY	1				1980
121-00	8/29/2000	NE	19	1N	8E	2047 W BELMAR COURT	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1961
122-00	8/30/2000	SW	20	1N	8E	336 S WEAVER CIRCLE	4	SERVICE REPAIR									POLY	3/4				1961
123-00	8/30/2000	SE	20	1N	8E	50 W APACHE TRAIL	6	SERVICE REPLACEMENT								1	POLY	3/4				1962
124-00	8/31/2000	SW	20	1N	8E	376 S GOLD DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1970
125-00	9/1/2000	SE	22	1N	8E	651 S STARR ROAD	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1974
126-00	9/6/2000	NE	29	1N	8E	1353 S SAN MARCOS DRIVE	4	SERVICE REPAIR						X			POLY	1				1976
127-00	9/7/2000	NE	13	1N	8E	1717 N PROSPECTOR ROAD	4	SERVICE REPAIR						X			POLY	3/4				1980
128-00	9/7/2000	SW	25	1N	7E	10838 E SUNLAND AVENUE	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
129-00	9/8/2000	NW	19	1N	8E	732 N PINAL DRIVE	6	SERVICE REPLACEMENT								1	POLY	3/4				1970
130-00	9/8/2000	SW	25	1N	7E	11107 E SUNLAND AVENUE	9	SERVICE REPLACEMENT								1	POLY	3/4				1985
131-00	9/12/2000	SW	25	1N	7E	11101 E LA SALLE STREET	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
132-00	9/14/2000	NW	22	1N	8E	2280 E SCENIC STREET	12	SERVICE REPLACEMENT								1	POLY	3/4				1974
133-00	9/14/2000	SW	30	1N	8E	2483 W 16TH AVENUE	16	SERVICE REPLACEMENT								1	POLY	3/4				1970
134-00	9/18/2000	SE	29	1N	8E	2341 S DEL RIO DRIVE	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1978
135-00	9/19/2000	SW	14	1N	7E	10249 E ADOBE ROAD	6	SERVICE REPLACEMENT								1	POLY	3/4				1973
136-00	9/19/2000	NE	25	1N	8E	1549 S PROSPECTOR ROAD	10	SERVICE REPLACEMENT						X		1	POLY	3/4				1980
137-00	9/20/2000	SW	14	1N	7E	655 N MERRILL ROAD	12	SERVICE REPLACEMENT								1	POLY	3/4				1975
138-00	9/21/2000	NE	17	1N	8E	2095 N SAN MARCOS DRIVE	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1985
139-00	9/26/2000	NW	24	1N	7E	332 N KEITH STREET	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1972
140-00	9/26/2000	NW	19	1N	8E	2544 W CACTUS WREN STREET	12	SERVICE REPLACEMENT						X		2	POLY	1				1970
141-00	9/27/2000	NE	25	1N	8E	1557 S PROSPECTOR ROAD	12	SERVICE REPLACEMENT								1	POLY	3/4				1980
142-00	9/29/2000	NE	25	1N	7E	409 S 113TH WAY	9	SERVICE REPLACEMENT								1	POLY	3/4				1975
143-00	9/29/2000	NE	25	1N	7E	408 S 113TH WAY	9	SERVICE REPLACEMENT								2	POLY	1				1975
144-00	9/30/2000	SW	17	1N	8E	1428 W GREASEWOOD STREET	10	SERVICE REPLACEMENT						X		1	POLY	3/4				1975
145-00	9/30/2000	NE	25	1N	8E	5824 E 10TH AVENUE	8	SERVICE REPLACEMENT								1	POLY	3/4				1973
146-00	10/4/2000	SE	17	1N	8E	480 W GREASEWOOD STREET	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1978
147-00	10/11/2000	NW	36	1N	8E	4843 E 28TH AVENUE	2	SERVICE REPAIR						X			CU	3/4				1979
148-00	10/12/2000	NE	30	1N	8E	1023 S OCOTILLO DRIVE	8	SERVICE REPAIR						X			POLY	3/4				1973
149-00	10/12/2000	SE	29	1N	8E	2132 S BUENA VISTA DRIVE	4	SERVICE REPLACEMENT								1	POLY	3/4				1978
150-00	10/12/2000	NE	30	1N	8E	1115 S OCOTILLO DRIVE	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
151-00	10/13/2000	NW	20	1N	8E	379 N THUNDERBIRD DRIVE	12	SERVICE REPLACEMENT								1	POLY	3/4				1979
152-00	10/13/2000	SW	16	1N	8E	1015 N IDAHO ROAD	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1980
153-00	10/13/2000	NE	25	1N	8E	6098 E 16TH AVENUE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1981
154-00	10/13/2000	SW	20	1N	8E	1151 W APACHE TRAIL	9	SERVICE REPLACEMENT								1	POLY	3/4				1968
155-00	10/16/2000	NW	30	1N	8E	1347 S MERIDIAN ROAD	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1970
156-00	10/21/2000	SW	22	1N	8E	2232 E 6TH AVENUE	12	SERVICE REPLACEMENT								1	CU	3/4				1991

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157-00	10/21/2000	SW	22	1N	8E	2156 E 6TH AVENUE	12	SERVICE REPLACEMENT								1	CU	3/4				1991
158-00	10/21/2000	NW	17	1N	8E	1180 W TEPEE STREET	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1981
159-00	10/31/2000	NW	12	1N	8E	5474 E SINGLETREE STREET	9	SERVICE REPLACEMENT								1	POLY	3/4				1986
160-00	11/1/2000	SW	8	1S	9E	6339 S FAIRWAY DRIVE	4	SERVICE REPAIR									CU	1				1998
161-00	11/2/2000	NE	13	1N	7E	920 N 113TH STREET	6	SERVICE REPAIR									CU	1				2002
162-00	11/3/2000	NW	29	1N	8E	992 W 15TH AVENUE	4	SERVICE REPLACEMENT								1	CU	3/4				1997
163-00	11/9/2000	NW	18	1N	8E	2703 W FOOTHILL STREET	9	SERVICE REPLACEMENT								1	POLY	3/4				1985
164-00	11/9/2000	NE	22	1N	8E	220 N STARR ROAD	16	SERVICE REPLACEMENT						X		1	POLY	3/4				1982
165-00	11/10/2000	SW	17	1N	8E	888 W ROUNDUP STREET	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1979
166-00	11/13/2000	SW	13	1N	7E	547 N 110TH STREET	16	SERVICE REPLACEMENT						X		1	POLY	3/4				1964
167-00	11/15/2000	NE	30	1N	8E	830 S MARA DRIVE	12	SERVICE REPLACEMENT								1	POLY	3/4				1971
168-00	11/20/2000	SE	24	1N	7E	221 S MOUNTAIN ROAD	4	SERVICE REPAIR								1	POLY	3/4				1987
169-00	11/20/2000	SW	13	1N	8E	1165 N MOUNTAIN VIEW ROAD	15	SERVICE REPLACEMENT						X		1	POLY	3/4				1969
170-00	11/21/2000	NW	22	1N	8E	115 N CONESTOGA ROAD	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1978
171-00	11/21/2000	NW	9	1S	9E	6171 S ALAMEDA ROAD	12	SERVICE REPLACEMENT								2	POLY	1				1981
172-00	11/22/2000	NE	9	1S	9E	10605 E CORDOVA AVENUE	12	SERVICE REPLACEMENT						X		1	POLY	1				1979
173-00	11/22/2000	NW	22	1N	8E	238 N CHAPARRAL ROAD	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1972
174-00	11/29/2000	NW	19	1N	8E	2424 W CODY STREET	12	SERVICE REPLACEMENT								1	POLY	3/4				1959
175-00	11/29/2000	SW	22	1N	8E	2200 E 2ND AVENUE	16	SERVICE REPLACEMENT								1	POLY	3/4				1976
176-00	12/6/2000	SE	24	1N	7E	31 S EMERALD DRIVE	32	SERVICE REPLACEMENT								1	POLY	3/4				1971
177-00	12/6/2000	SW	25	1N	7E	10819 E GROVE STREET	12	SERVICE REPLACEMENT								1	POLY	3/4				1973
178-00	12/7/2000	NE	30	1N	8E	1716 W 10TH AVENUE	24	SERVICE REPLACEMENT								1	POLY	3/4				1971
179-00	12/15/2000	NE	30	1N	8E	1131 S DELAWARE DRIVE	24	SERVICE REPLACEMENT						X		1	POLY	3/4				1963
180-00	12/19/2000	SE	14	1N	7E	10527 E QUARTERLINE ROAD	4	OTHER									POLY	3/4				1981
181-00	12/19/2000	SE	15	1N	8E	1325 N CORTEZ ROAD	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1983
182-00	12/19/2000	SW	9	1S	9E	10046 E HUMMINGBIRD LANE	24	SERVICE REPLACEMENT						X		1	POLY	1				1980
183-00	12/26/2000	SE	24	1N	7E	11422 E 4TH AVENUE	20	MAIN REPLACEMENT	X										5	GS	2	1955
184-00	12/27/2000	NE	9	1S	9E	10953 E PALM WAY	6	SERVICE REPLACEMENT								1	POLY	3/4				1979
001-01	1/23/2001	NE	23	1N	7E	10401 E BOULDER DRIVE	6	OTHER									POLY	3/4				1966
002-01	1/24/2001	NE	23	1N	7E	10402 E BOISE STREET	9	SERVICE REPLACEMENT						X		1	GS	1				1966
003-01	1/29/2001	NW	24	1N	8E	169 N MOUNTAIN VIEW ROAD	18	SERVICE REPLACEMENT						X		1	POLY	3/4				1978
004-01	2/2/2001	NE	22	1N	8E	325 N HILTON ROAD	12	SERVICE REPLACEMENT								1	POLY	3/4				1976
005-01	2/2/2001	SE	7	1S	9E	HIGHWAY 60 & MOUNTAIN BROOK	28	MAIN REPAIR	X											CA	12	1985
006-01	2/13/2001	SW	17	1N	8E	1470 W GREASEWOOD STREET	6	SERVICE REPLACEMENT								1	POLY	3/4				1975
007-01	2/14/2001	NW	19	1N	8E	2600 W APACHE TRAIL	8	SERVICE REPLACEMENT								1	POLY	1				1961
008-01	2/22/2001	NW	30	1N	8E	MERIDIAN ROAD S OF BROADWAY AVENUE	8	OTHER									POLY	3/4				1970
009-01	2/23/2001	NW	19	1N	8E	2625 E SCENIC STREET	4	SERVICE REPLACEMENT								1	POLY	3/4				1962
010-01	2/26/2001	SW	22	1N	8E	2125 E 4TH AVENUE	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1974
011-01	2/26/2001	NW	22	1N	8E	2281 E SUPERSTITION BOULEVARD	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1986
012-01	3/8/2001	NE	25	1N	8E	5679 E 12TH AVENUE	15	SERVICE REPLACEMENT						X		1	POLY	3/4				1976
013-01	3/12/2001	NE	25	1N	7E	11519 E VINE AVENUE	5	SERVICE REPLACEMENT								1	POLY	3/4				1971
014-01	3/14/2001	SE	24	1N	7E	105 S MALCOLM DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1981

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015-01	3/19/2001	NE	30	1N	8E	1554 S BUENA VISTA DRIVE	8	SERVICE REPLACEMENT						X		2	POLY	1				1976
016-01	3/19/2001	NW	19	1N	8E	2674 W VIRGINIA STREET	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1962
017-01	3/21/2001	SW	19	1N	8E	2767 W 5TH AVENUE	32	MAIN REPLACEMENT	X										40	GS	2	1955
018-01	3/26/2001	SW	25	1N	7E	GROVE STREET & CAP CANAL	8	MAIN REPAIR	X											DIP	6	1985
019-01	3/28/2001	NE	19	1N	8E	2072 W BELMAR COURT	4	SERVICE REPAIR						X			POLY	3/4				1961
020-01	3/30/2001	NW	30	1N	8E	1477 S WARNER DRIVE	4	SERVICE REPLACEMENT								1	POLY	3/4				1977
021-01	4/3/2001	NW	23	1N	7E	10313 E BILLINGS STREET	6	SERVICE REPLACEMENT								1	POLY	3/4				1980
022-01	4/10/2001	SE	29	1N	8E	736 W 17TH AVENUE	9	SERVICE REPLACEMENT						X		2	POLY	1				1965
023-01	4/13/2001	NW	19	1N	8E	2444 W GREGORY STREET	6	SERVICE REPLACEMENT								1	POLY	3/4				1970
024-01	4/13/2001	NW	19	1N	8E	2449 W GREGORY STREET	28	SERVICE REPLACEMENT								1	POLY	3/4				1970
025-01	4/17/2001	NW	30	1N	8E	3085 W 9TH STREET	8	SERVICE REPLACEMENT								2	POLY	1				1971
026-01	4/17/2001	NW	30	1N	8E	3030 W 9TH AVENUE	16	SERVICE REPLACEMENT								2	POLY	1				1971
027-01	4/18/2001	SW	17	1N	8E	1309 N GOLD DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1972
028-01	4/18/2001	NW	19	1N	8E	2470 W VIRGINIA STREET	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1962
029-01	4/19/2001	SE	29	1N	8E	556 W 21ST AVENUE	6	SERVICE REPLACEMENT						X		2	POLY	1				1977
030-01	4/22/2001	SW	22	1N	8E	1712 E BROADWAY AVENUE	40	MAIN REPLACEMENT	X										15	CA	6	1960
031-01	4/29/2001	SW	22	1N	8E	1712 E BROADWAY AVENUE	50	MAIN REPLACEMENT	X										39	CA	6	1960
032-01	5/1/2001	SE	18	1N	8E	2180 W ROUNDUP STREET	4	SERVICE REPLACEMENT								1	POLY	3/4				1981
033-01	5/15/2001	NW	18	1N	8E	2948 W TEPEE STREET	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1981
034-01	5/23/2001	SW	19	1N	8E	554 S PINAL DRIVE	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1995
035-01	5/24/2001	SE	20	1N	8E	HIGO CIRCLE & 5TH AVENUE	32	MAIN REPLACEMENT	X										10	BLE POLY	2	1976
036-01	5/30/2001	NE	21	1N	8E	575 N ROYAL PALM ROAD	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1980
037-01	5/31/2001	NE	23	1N	8E	520 N MULESHOE ROAD	20	SERVICE REPLACEMENT						X		1	POLY	3/4				1977
038-01	5/31/2001	SW	22	1N	8E	2232 E 6TH AVENUE	4	SERVICE REPAIR						X			CU	3/4				1991
039-01	6/5/2001	SE	24	1N	8E	5901 E ARROYO LINDO	4	SERVICE REPLACEMENT								1	POLY	3/4				1981
040-01	6/6/2001	SE	14	1N	8E	867 N ARROYO ROAD	21	SERVICE REPLACEMENT								2	POLY	1				1979
041-01	6/7/2001	NE	30	1N	8E	1946 W 13TH AVENUE	9	SERVICE REPLACEMENT								2	POLY	1				1979
042-01	6/11/2001	NE	29	1N	8E	120 W 16TH AVENUE	2	SERVICE REPLACEMENT						X		2	POLY	1				1973
043-01	6/11/2001	NE	29	1N	8E	88 W 16TH AVENUE	2	SERVICE REPLACEMENT						X		2	POLY	1				1973
044-01	6/20/2001	SE	17	1N	8E	1063 N SAN MARCOS DRIVE	9	SERVICE REPLACEMENT								1	POLY	3/4				1974
045-01	6/22/2001	SE	22	1N	8E	2683 E 2ND AVENUE	16	SERVICE REPLACEMENT								2	POLY	3/4				1973
046-01	6/26/2001	SE	20	1N	8E	461 W APACHE TRAIL	3	SERVICE REPAIR									POLY	3/4				1962
047-01	6/26/2001	NE	9	1S	9E	10975 E HUMMINGBIRD LANE	12	SERVICE REPLACEMENT								1	POLY	3/4				1980
048-01	6/27/2001	SW	31	1N	9E	6560 E FLAT IRON LOOP	4	SERVICE REPAIR						X			CU	1				1998
049-01	6/27/2001	SE	20	1N	8E	ROSAL AVENUE & SIERRA VISTA DRIVE	28	MAIN REPLACEMENT	X										25	BLE POLY	2	1977
050-01	6/28/2001	NE	25	1N	8E	1300 S PROSPECTOR ROAD	15	SERVICE REPLACEMENT								1	POLY	3/4				1980
051-01	7/3/2001	SE	9	1S	9E	6349 S HIDEAWAY LANE	6	SERVICE REPLACEMENT								1	POLY	1				1981
052-01	7/5/2001	NE	29	1N	8E	12TH AVENUE & BUENA VISTA DRIVE	6	SERVICE REPLACEMENT								1	POLY	3/4				1976
053-01	7/5/2001	SW	20	1N	8E	556 S COPPER DRIVE	2	SERVICE REPAIR						X			POLY	1				1970
054-01	7/5/2001	SW	17	1N	8E	1326 W GREASEWOOD STREET	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1975
055-01	7/10/2001	SW	25	1N	7E	11119 E PUEBLO AVENUE	4	OTHER						X			POLY	3/4				1973
056-01	7/13/2001	SW	15	1N	8E	950 N WICKIUP ROAD	4	SERVICE REPAIR						X			POLY	1				1974

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
057-01	7/18/2001	NW	19	1N	8E	2425 W GREGORY STREET	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1970
058-01	7/20/2001	SE	9	1S	9E	10950 E SUGAR CREEK DRIVE	21	SERVICE REPLACEMENT						X		1	POLY	1				1981
059-01	7/20/2001	SW	17	1N	8E	1127 N IRONWOOD DRIVE	4	SERVICE REPAIR						X			POLY	3/4				2002
060-01	7/20/2001	SE	9	1S	9E	10950 E SUGAR CREEK DRIVE	24	SERVICE REPLACEMENT						X		2	POLY	1				1981
061-01	7/21/2001	NW	19	1N	8E	2625 W OHIO STREET	6	SERVICE REPLACEMENT						X		2	POLY	1				1959
062-01	7/23/2001	NE	27	1N	8E	1041 S STARR ROAD	4	SERVICE REPAIR						X			POLY	3/4				1974
063-01	7/23/2001	NE	19	1N	8E	150 N OCOTILLO DRIVE	4	SERVICE REPAIR									POLY	1				1960
064-01	7/23/2001	NW	12	1N	8E	5886 E MINING CAMP STREET	9	MAIN REPAIR	X											GS	2	1977
065-01	7/25/2001	SE	27	1N	8E	2001 S STARR ROAD	9	SERVICE REPLACEMENT						X		1	POLY	1				1981
066-01	7/26/2001	SW	15	1N	8E	921 N VISTA ROAD	20	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
067-01	7/27/2001	NW	12	1N	8E	5549 E REAVIS STREET	27	SERVICE REPLACEMENT						X		1	POLY	3/4				1979
068-01	7/31/2001	SE	18	1N	8E	2048 W SHIPROCK STREET	9	SERVICE REPLACEMENT								1	POLY	3/4				1973
069-01	7/31/2001	SW	20	1N	8E	1035 W 5TH AVENUE	6	SERVICE REPLACEMENT								1	POLY	3/4				1961
070-01	8/1/2001	NW	20	1N	8E	589 N THUNDERBIRD DRIVE	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1979
071-01	8/1/2001	NW	30	1N	8E	990 S CEDAR DRIVE	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1979
072-01	8/3/2001	SE	9	1S	9E	11126 E BREATHLESS DRIVE	21	SERVICE REPLACEMENT						X		2	POLY	1				1981
073-01	8/7/2001	SW	14	1N	7E	508 N MERRILL ROAD	20	MAIN REPLACEMENT	X										10	CA	6	1975
074-01	8/8/2001	SE	20	1N	8E	431 W APACHE TRAIL	16	SERVICE REPLACEMENT								1	POLY	3/4				1962
075-01	8/9/2001	NE	23	1N	8E	4375 E SUPERSTITION BOULEVARD	6	SERVICE REPAIR									POLY	3/4				1970
076-01	8/9/2001	SE	29	1N	8E	2309 S SAN MARCOS DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1978
077-01	8/9/2001	SE	18	1N	8E	1022 N MAIN DRIVE	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1968
078-01	8/14/2001	SW	36	1N	8E	MOUNTAIN VIEW ROAD & US 60	24	MAIN REPAIR	X											CA	12	1979
079-01	8/15/2001	NE	29	1N	8E	1238 S BUENA VISTA DRIVE	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1972
080-01	8/15/2001	SE	22	1N	8E	24 S STARR ROAD	3	SERVICE REPAIR						X			POLY	3/4				1973
081-01	8/21/2001	NW	12	1N	8E	3450 N SIXSHOOTER ROAD	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1983
082-01	8/22/2001	SW	11	1N	7E	1234 N 104TH STREET	22	SERVICE REPLACEMENT								1	POLY	3/4				1985
083-01	8/23/2001	NE	25	1N	7E	427 S 113TH PLACE	21	SERVICE REPLACEMENT						X		2	POLY	1				1975
084-01	8/24/2001	SE	29	1N	8E	585 W 20TH AVENUE	12	SERVICE REPLACEMENT						X		2	POLY	1				1978
085-01	8/29/2001	SW	21	1N	8E	95 S OUTPOST ROAD	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1983
086-01	8/30/2001	NW	13	1N	7E	10812 E ELMWOOD STREET	14	SERVICE REPLACEMENT						X		1	POLY	1				1980
087-01	9/6/2001	NW	9	1S	9E	5650 S SAGE WAY	8	SERVICE REPLACEMENT								1	POLY	1				1982
088-01	9/10/2001	SE	18	1N	8E	907 N GRAND DRIVE	8	SERVICE REPLACEMENT								1	POLY	3/4				1970
089-01	9/15/2001	NE	9	1S	9E	10600 E CORDOVA AVENUE	8	SERVICE REPLACEMENT						X		1	POLY	1				1979
090-01	9/18/2001	NW	27	1N	8E	2080 E 14TH AVENUE	10	SERVICE REPLACEMENT						X		1	POLY	3/4				1981
091-01	9/18/2001	SE	20	1N	8E	722 W ROSAL CIRCLE	16	SERVICE REPLACEMENT						X		2	POLY	1				1977
092-01	9/20/2001	NW	27	1N	8E	1255 S WICKIUP ROAD	12	SERVICE REPLACEMENT						X		2	POLY	1				1981
093-01	9/24/2001	NE	25	1N	8E	6285 E BROADWAY AVENUE	24	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
094-01	9/24/2001	SW	25	1N	7E	11054 E GROVE STREET	16	SERVICE REPLACEMENT								1	POLY	3/4				1973
095-01	9/24/2001	NE	25	1N	8E	6239 E BROADWAY AVENUE	24	SERVICE REPLACEMENT								1	POLY	3/4				1969
096-01	9/25/2001	SE	21	1N	8E	950 E 4TH AVENUE	24	SERVICE REPLACEMENT								1	POLY	3/4				1979
097-01	9/27/2001	NE	30	1N	9E	1990 W 9TH AVENUE	10	SERVICE REPLACEMENT						X		1	POLY	3/4				1971
098-01	9/28/2001	NW	27	1N	8E	862 S BOWMAN ROAD	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1978

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
099-01	10/1/2001	NW	22	1N	8E	2160 E SCENIC STREET	12	SERVICE REPLACEMENT								1	POLY	3/4				1974
100-01	10/2/2001	SW	20	1N	8E	556 S COPPER DRIVE	6	SERVICE REPLACEMENT						X		2	POLY	1				1970
101-01	10/3/2001	NE	27	1N	8E	3032 E 16TH AVENUE	14	SERVICE REPLACEMENT						X		1	POLY	3/4				1979
102-01	10/5/2001	SW	14	1N	7E	725 N 100TH PLACE	32	SERVICE REPLACEMENT						X		1	POLY	3/4				1978
103-01	10/7/2001	SE	24	1N	7E	11422 E 4TH AVENUE	32	MAIN REPLACEMENT	X										25	GS	2	1955
104-01	10/16/2001	NW	13	1N	8E	5025 E PIONEER STREET	14	SERVICE REPLACEMENT						X		1	POLY	3/4				1981
105-01	10/31/2001	NW	23	1N	7E	10358 E AKRON STREET	12	SERVICE REPLACEMENT								2	POLY	1				1955
106-01	10/31/2001	NE	24	1N	7E	134 N 114TH STREET	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1970
107-01	11/5/2001	SE	14	1N	8E	4705 E SUPERSTITION BOULEVARD	21	SERVICE REPLACEMENT						X		1	POLY	1				1969
108-01	11/7/2001	SE	18	1N	8E	2338 W SHIPROCK STREET	21	SERVICE REPLACEMENT						X		1	POLY	3/4				1972
109-01	11/9/2001	SE	24	1N	8E	415 S PROSPECTOR ROAD	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1983
110-01	11/15/2001	NW	30	1N	8E	1309 S MERIDIAN ROAD	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1970
111-01	11/15/2001	NE	26	1N	7E	10726 E OASIS DRIVE	4	SERVICE REPLACEMENT								1	POLY	3/4				1961
112-01	11/27/2001	SE	20	1N	8E	730 W 5TH AVENUE	8	SERVICE REPAIR						X			GS	2				1976
113-01	11/27/2001	SE	20	1N	8E	730 W 5TH AVENUE	8	MAIN REPAIR	X											BLE POLY	2	1976
114-01	11/29/2001	NW	30	1N	8E	1053 S WARNER DRIVE	10	SERVICE REPLACEMENT								3	POLY	3/4				1976
115-01	11/30/2001	NW	30	1N	8E	1393 S HALE DRIVE	6	SERVICE REPLACEMENT						X		2	POLY	1				1970
116-01	12/1/2001	NW	25	1N	7E	11012 E ELTON AVENUE	12	MAIN REPAIR	X											CA	6	1978
117-01	12/5/2001	NW	19	1N	8E	2548 W OHIO STREET	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1959
118-01	12/5/2001	SW	18	1N	8E	1223 N WARNER DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1970
119-01	12/7/2001	SW	15	1N	8E	1365 N WICKIUP ROAD	14	SERVICE REPLACEMENT						X		1	POLY	3/4				1979
120-01	12/11/2001	NW	13	1N	8E	5151 E PIONEER STREET	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1981
121-01	12/14/2001	SW	17	1N	8E	1280 W SHIPROCK STREET	32	SERVICE REPLACEMENT						X		2	POLY	1				1974
122-01	12/19/2001	NE	30	1N	8E	1207 S DELAWARE DRIVE	21	SERVICE REPLACEMENT						X		1	POLY	3/4				1963
123-01	12/19/2001	NW	24	1N	7E	311 N SIGNAL BUTTE ROAD	15	SERVICE REPLACEMENT						X		1	POLY	3/4				1972
124-01	12/21/2001	NE	30	1N	8E	1903 W 9TH PLACE	6	SERVICE REPLACEMENT						X		2	POLY	1				1971
125-01	12/31/2001	SW	17	1N	8E	1125 N VALLEY DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
001-02	1/2/2002	NE	23	1N	7E	222 N SIGNAL BUTTE ROAD	11	MAIN REPAIR	X											CA	4	1971
002-02	1/10/2002	NE	30	1N	8E	1737 W 10TH AVENUE	21	SERVICE REPLACEMENT						X		2	POLY	1				1971
003-02	1/15/2002	NW	19	1N	8E	2524 W CHOLLA STREET	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1970
004-02	1/18/2002	SW	25	1N	7E	10819 E GROVE STREET	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
005-02	1/22/2002	NE	23	1N	8E	4115 E SUPERSTITION BOULEVARD	16	OTHER									POLY	3/4				1969
006-02	1/23/2002	SE	22	1N	8E	331 S STARR ROAD	12	SERVICE REPLACEMENT								1	POLY	3/4				1973
007-02	1/23/2002	SW	14	1N	7E	639 N 101ST PLACE	20	SERVICE REPLACEMENT						X		1	POLY	3/4				1978
008-02	1/25/2002	NW	20	1N	8E	840 W APACHE TRAIL	12	SERVICE REPAIR									POLY	1				1981
009-02	2/5/2002	SW	12	1N	8E	2878 N GERONIMO ROAD	18	SERVICE REPLACEMENT						X		1	POLY	3/4				1993
010-02	2/7/2002	SW	17	1N	8E	1064 N VALLEY DRIVE	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
011-02	2/7/2002	NW	17	1N	8E	1320 W TEPEE STREET	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1977
012-02	2/8/2002	NW	18	1N	8E	2855 W CHOLLA STREET	14	SERVICE REPLACEMENT						X		1	POLY	3/4				1970
013-02	2/8/2002	NW	19	1N	8E	2827 W CHOLLA STREET	14	SERVICE REPLACEMENT								1	POLY	3/4				1970
014-02	2/13/2002	SW	19	1N	8E	3003 W APACHE TRAIL	12	SERVICE REPAIR									POLY	3/4				1981
015-02	2/14/2002	NW	19	1N	8E	660 N PINYON DRIVE	32	SERVICE REPLACEMENT								1	POLY	3/4				1959

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
016-02	2/15/2002	SE	18	1N	8E	967 N OCOTILLO DRIVE	2	SERVICE REPAIR									POLY	3/4				1970
017-02	2/21/2002	NW	20	1N	8E	275 N THUNDERBIRD DRIVE	12	SERVICE REPLACEMENT								1	POLY	3/4				1961
018-02	2/21/2002	NE	30	1N	8E	1589 S DELAWARE DRIVE	9	SERVICE REPLACEMENT								1	POLY	3/4				1963
019-02	2/22/2002	NE	19	1N	8E	215 N SAGUARO DRIVE	26	MAIN REPLACEMENT	X										7	CA	4	1960
020-02	2/25/2002	SW	19	1N	8E	APACHE TRAIL W OF DELAWARE DRIVE	16	MAIN REPAIR	X											CA	6	1964
021-02	2/27/2002	NW	19	1N	8E	723 N PINAL DRIVE	6	SERVICE REPAIR									POLY	1				1970
022-02	3/1/2002	NW	30	1N	8E	1217 S DESERT VIEW PLACE	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1970
023-02	3/7/2002	NE	25	1N	7E	538 N MERIDIAN ROAD	12	MAIN REPAIR	X											GS	2	1971
024-02	3/8/2002	SE	18	1N	8E	1460 N GRAND DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1972
025-02	3/12/2002	NE	19	1N	8E	210 N IRONWOOD DRIVE	8	OTHER									POLY	3/4				1985
026-02	3/14/2002	NW	25	1N	7E	11038 E CRESCENT AVENUE	6	SERVICE REPLACEMENT						X		2	POLY	1				1962
027-02	3/18/2002	SW	30	1N	8E	1991 S MERIDIAN ROAD	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1974
028-02	3/19/2002	NW	20	1N	8E	731 N RENNICK DRIVE	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1970
029-02	3/19/2002	NW	20	1N	8E	740 N SAN MARCOS DRIVE	4	SERVICE REPLACEMENT						X		2	POLY	1				1970
030-02	3/25/2002	SE	13	1N	8E	1333 N GERONIMO ROAD	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1976
031-02	3/26/2002	NE	24	1N	7E	BOULDER DRIVE & 114TH STREET	12	MAIN REPAIR	X											GS	2	1970
032-02	4/1/2002	NW	29	1N	8E	16TH AVENUE & SAN MARCOS DRIVE	9	OTHER									POLY	3/4				1963
033-02	4/2/2002	SE	20	1N	8E	495 W APACHE TRAIL	14	SERVICE REPLACEMENT						X		1	POLY	3/4				1962
034-02	4/3/2002	NE	17	1N	8E	747 W FOOTHILL STREET	21	SERVICE REPLACEMENT						X		2	POLY	1				1980
035-02	4/4/2002	SW	24	1N	8E	164 S SIXSHOOTER ROAD	7	SERVICE REPLACEMENT						X		1	POLY	3/4				1983
036-02	4/4/2002	NW	30	1N	8E	1429 S DESERT VIEW PLACE	6	SERVICE REPLACEMENT						X		2	POLY	1				1970
037-02	4/4/2002	SW	24	1N	8E	5250 E 2ND AVENUE	10	SERVICE REPLACEMENT						X		1	POLY	3/4				1983
038-02	4/6/2002	SE	20	1N	8E	720 W DATIL AVENUE	12	MAIN REPAIR	X											BLE POLY	2	1976
039-02	4/12/2002	SW	20	1N	8E	1325 W 2ND AVENUE	20	SERVICE REPLACEMENT						X		2	POLY	1				1970
040-02	4/12/2002	SE	29	1N	8E	681 W 23RD AVENUE	4	SERVICE REPAIR						X			POLY	1				1978
041-02	4/12/2002	SE	29	1N	8E	2125 S SAN MARCOS DRIVE	4	SERVICE REPAIR						X			POLY	3/4				1978
042-02	4/15/2002	NE	25	1N	7E	11411 E MARGUERITE AVENUE	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1971
043-02	4/16/2002	SE	29	1N	8E	370 W SOUTHERN AVENUE	10	SERVICE REPLACEMENT						X		1	POLY	3/4				1978
044-02	4/17/2002	NW	9	1S	9E	10428 E LA PALMA AVENUE	12	OTHER									POLY	1				1979
045-02	4/17/2002	SW	30	1N	8E	2483 W 16TH AVENUE	28	SERVICE REPLACEMENT								1	POLY	3/4				1970
046-02	4/17/2002	SE	13	1N	8E	5972 E ROUNDUP STREET	18	SERVICE REPLACEMENT								1	POLY	3/4				1980
047-02	4/19/2002	SE	29	1N	8E	556 W 21ST AVENUE	8	SERVICE REPLACEMENT						X		2	POLY	1				1977
048-02	4/19/2002	SE	29	1N	8E	2145 S SAN MARCOS DRIVE	8	SERVICE REPLACEMENT						X		2	POLY	1				1978
049-02	4/19/2002	NW	23	1N	8E	SUPERSTITION BOULEVARD E OF ARROYO ROAD	9	MAIN REPAIR	X											CA	6	1969
050-02	4/20/2002	SE	20	1N	8E	730 W 5TH AVENUE	28	MAIN REPAIR	X											BLE POLY	2	1976
051-02	4/25/2002	SW	20	1N	8E	264 S COPPER DRIVE	21	SERVICE REPLACEMENT								1	POLY	3/4				1970
052-02	4/29/2002	SW	20	1N	8E	875 W APACHE TRAIL	16	MAIN REPAIR	X											CA	6	1984
053-02	5/1/2002	SE	14	1N	7E	10711 E ADOBE ROAD	15	MAIN REPAIR	X											CA	6	1979
054-02	5/2/2002	NE	29	1N	8E	10 W 14TH AVENUE	4	SERVICE REPLACEMENT								2	POLY	1				1973
055-02	5/7/2002	NE	30	1N	8E	1515 S OCOTILLO DRIVE	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
056-02	5/17/2002	SE	13	1N	8E	5972 E ROUNDUP STREET	12	SERVICE REPLACEMENT						X		1	POLY	1				1980
057-02	5/18/2002	SE	24	1N	7E	113 S MALCOLM DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1981

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058-02	5/21/2002	NE	27	1N	8E	3023 E 10TH AVENUE	15	SERVICE REPLACEMENT						X		1	POLY	3/4				1983
059-02	5/21/2002	NE	27	1N	8E	3135 E 10TH AVENUE	15	SERVICE REPLACEMENT						X		1	POLY	3/4				1983
060-02	5/21/2002	SW	25	1N	7E	10937 E PUEBLO AVENUE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
061-02	5/22/2002	SE	8	1S	9E	9805 E SLEEPY HOLLOW TRAIL	32	SERVICE REPLACEMENT						X		1	POLY	1				1988
062-02	5/27/2002	NE	26	1N	7E	10672 E OASIS DRIVE	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1978
063-02	5/28/2002	SW	6	1N	8E	2926 W WHITELEY STREET	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1980
064-02	5/28/2002	NE	12	1N	8E	6176 E MINING CAMP STREET	6	SERVICE REPAIR						X			POLY	3/4				1973
065-02	5/30/2002	SE	20	1N	8E	485 S PINO CIRCLE	20	MAIN REPAIR	X											BLE POLY	2	1976
066-02	6/3/2002	SW	13	1N	8E	5430 E SHIPROCK STREET	4	MAIN REPAIR	X											GS	2	1963
067-02	6/4/2002	NW	22	1N	8E	521 N TOMAHAWK ROAD	6	MAIN REPAIR	X											GS	2	1966
068-02	6/5/2002	SE	20	1N	8E	5TH AVENUE & PECANA CIRCLE	14	MAIN REPAIR	X											BLE POLY	2	1976
069-02	6/6/2002	SE	17	1N	8E	GREASEWOOD STREET & SAN MARCOS DRIVE	4	MAIN REPAIR	X											CA	6	1978
070-02	6/7/2002	SE	20	1N	8E	5TH AVENUE & PECANA CIRCLE	12	MAIN REPAIR	X											BLE POLY	2	1976
071-02	6/11/2002	SW	17	1N	8E	963 N GOLD DRIVE	9	SERVICE REPLACEMENT								1	POLY	3/4				1980
072-02	6/11/2002	NE	30	1N	8E	1043 S LAWTHER DRIVE	12	SERVICE REPLACEMENT						X		1	POLY	1				1963
073-02	6/11/2002	NE	25	1N	7E	MARGUERITE AVENUE & CRESCENT AVENUE ALLEY	4	MAIN REPAIR	X											GS	2	1971
074-02	6/12/2002	SW	17	1N	8E	1368 W GREASEWOOD STREET	6	SERVICE REPLACEMENT								1	POLY	3/4				1980
075-02	6/17/2002	NE	17	1N	8E	2138 N APACHE DRIVE	9	SERVICE REPLACEMENT						X		1	CU	1				2000
076-02	6/18/2002	NE	22	1N	8E	542 N STARR ROAD	6	SERVICE REPLACEMENT								1	POLY	3/4				1966
077-02	6/19/2002	NE	21	1N	8E	1518 E SCENIC STREET	2	SERVICE REPAIR						X		1	POLY	3/4				1964
078-02	6/21/2002	NE	19	1N	8E	610 N OCOTILLO DRIVE	9	MAIN REPAIR	X											CA	4	1963
079-02	6/22/2002	NE	9	1S	9E	5842 S EASY STREET	15	SERVICE REPLACEMENT						X		2	POLY	1				1979
080-02	6/24/2002	NE	19	1N	8E	UNIVERSITY DRIVE & IRONWOOD DRIVE	24	MAIN REPAIR	X											CA	6	1966
081-02	6/25/2002	SW	9	1S	9E	ALAMEDA ROAD & DEL MONTE AVENUE	8	SERVICE REPLACEMENT								1	POLY	3/4				1980
082-02	6/25/2002	SE	18	1N	8E	925 N OCOTILLO DRIVE	4	SERVICE REPAIR						X			POLY	1				1970
083-02	6/26/2002	NW	24	1N	8E	401 N VAL VISTA ROAD	6	SERVICE REPLACEMENT								1	POLY	3/4				1981
084-02	6/27/2002	NW	9	1S	9E	5995 S ALHAMBRA WAY	15	SERVICE REPLACEMENT						X		1	POLY	1				1979
085-02	6/28/2002	NE	30	1N	8E	1017 S DELAWARE DRIVE	20	SERVICE REPLACEMENT						X		1	POLY	3/4				1963
086-02	7/1/2002	NE	7	1S	9E	5443 S MOHAVE SAGE DRIVE	4	SERVICE REPAIR						X			POLY	1				1998
087-02	7/3/2002	SE	18	1N	8E	2141 W SHIPROCK STREET	9	SERVICE REPLACEMENT						X		2	POLY	1				1972
088-02	7/4/2002	SE	20	1N	8E	5TH AVENUE & PECANA CIRCLE	20	MAIN REPAIR	X											BLE POLY	2	1976
089-02	7/5/2002	SE	9	1S	9E	10862 E SUGAR CREEK DRIVE	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1981
090-02	7/5/2002	SE	17	1N	8E	574 W GREASEWOOD STREET	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1978
091-02	7/5/2002	NE	20	1N	8E	SUPERSTITION BOULEVARD W OF IDAHO ROAD	20	MAIN REPAIR	X											CA	16	1986
092-02	7/6/2002	NE	22	1N	8E	159 N ACACIA ROAD	2	SERVICE REPAIR									POLY	3/4				1971
093-02	7/6/2002	SW	18	1N	8E	3100 W ROUNDUP STREET	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1971
094-02	7/8/2002	SE	29	1N	8E	410 W 18TH AVENUE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1978
095-02	7/8/2002	SE	29	1N	8E	440 W 18TH AVENUE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1978
096-02	7/9/2002	SE	18	1N	8E	1878 W ROUNDUP STREET	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1972
097-02	7/9/2002	SE	18	1N	8E	1980 W SHIPROCK STREET	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
098-02	7/9/2002	SE	23	1N	8E	415 S ROADRUNNER ROAD	15	SERVICE REPLACEMENT								1	POLY	1				1975
099-02	7/11/2002	NW	21	1N	8E	721 E SCENIC STREET	18	SERVICE REPLACEMENT								2	POLY	1				1974

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
100-02	7/18/2002	NW	9	1S	9E	5536 S SAGE WAY	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1982
101-02	7/18/2002	NW	9	1S	9E	5566 S SAGE WAY	9	SERVICE REPLACEMENT						X		2	POLY	1				1982
102-02	7/18/2002	SE	24	1N	7E	123 S MALCOLM DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1981
103-02	7/18/2002	SW	17	1N	8E	1029 N IRONWOOD DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1975
104-02	7/19/2002	NW	9	1S	9E	5580 S KINGS RANCH ROAD #2 & #3	6	SERVICE REPLACEMENT								2	POLY	1				1982
105-02	7/19/2002	NW	9	1S	9E	5580 S KINGS RANCH ROAD #1	6	SERVICE REPLACEMENT						X		1	POLY	1				1982
106-02	7/19/2002	SW	13	1N	8E	5180 E RAWHIDE STREET	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1966
107-02	7/19/2002	SW	13	1N	8E	1486 N VAL VISTA ROAD	15	SERVICE REPLACEMENT								1	POLY	3/4				1966
108-02	7/19/2002	SW	17	1N	8E	1476 W SUPERSTITION BOULEVARD	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1966
109-02	7/20/2002	SE	18	1N	8E	926 N OCOTILLO DRIVE	9	SERVICE REPLACEMENT								1	POLY	3/4				1970
110-02	7/20/2002	SE	18	1N	8E	925 N OCOTILLO DRIVE	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1970
111-02	7/20/2002	SW	13	1N	7E	547 N 111TH PLACE	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1964
112-02	7/20/2002	SW	13	1N	8E	850 N GERONIMO ROAD	21	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
113-02	7/22/2002	SW	17	1N	8E	1560 W SUPERSTITION BOULEVARD	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1966
114-02	7/22/2002	SW	17	1N	8E	1504 W SUPERSTITION BOULEVARD	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1966
115-02	7/24/2002	SE	18	1N	8E	1980 W SHIPROCK STREET	18	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
116-02	7/24/2002	SW	13	1N	8E	SIXSHOOTER ROAD & MANZANITA STREET	12	MAIN REPAIR	X											GS	2	1963
117-02	7/25/2002	SW	29	1N	8E	IRONWOOD DRIVE & SOUTHERN AVENUE	12	SERVICE REPLACEMENT								1	CU	1				1998
118-02	7/25/2002	NW	24	1N	8E	5090 E ROOSEVELT STREET	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1979
119-02	7/25/2002	NE	17	1N	8E	122 W FOOTHILL STREET	4	SERVICE REPAIR									POLY	2				1980
120-02	7/29/2002	SW	15	1N	8E	1527 N WICKIUP ROAD	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1983
121-02	7/29/2002	SE	18	1N	8E	832 N MAIN DRIVE	20	SERVICE REPLACEMENT						X		4	POLY	1				1970
122-02	7/30/2002	SE	20	1N	8E	442 S OLMO CIRCLE	15	MAIN REPAIR	X											BLE POLY	2	1976
123-02	8/2/2002	NE	23	1N	8E	690 N MULESHOE ROAD	3	SERVICE REPAIR						X			POLY	3/4				1970
124-02	8/3/2002	NW	18	1N	8E	1750 N WARNER DRIVE	16	SERVICE REPLACEMENT								1	POLY	3/4				1991
125-02	8/5/2002	NW	15	1N	8E	1715 N WICKIUP ROAD	6	SERVICE REPLACEMENT						X		2	POLY	1				1984
126-02	8/5/2002	NW	25	1N	7E	635 S PARKWOOD	6	SERVICE REPAIR						X			CU	1				1998
127-02	8/5/2002	NE	17	1N	8E	1710 N PLAZA DRIVE	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1975
128-02	8/5/2002	SE	29	1N	8E	546 W 21ST AVENUE	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1977
129-02	8/8/2002	NE	21	1N	8E	928 E JUNCTION STREET	6	SERVICE REPLACEMENT								1	POLY	3/4				1974
130-02	8/8/2002	NE	21	1N	8E	95 N ROYAL PALM ROAD	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1974
131-02	8/9/2002	SW	13	1N	7E	421 N 111TH STREET	20	SERVICE REPLACEMENT						X		1	POLY	1				1964
132-02	8/9/2002	SE	17	1N	8E	274 W SHIPROCK STREET	15	MAIN REPAIR	X											CA	4	1974
133-02	8/9/2002	NE	21	1N	8E	401 E SUPERSTITION BOULEVARD	9	MAIN REPAIR	X											CA	8	1972
134-02	8/12/2002	NW	17	1N	8E	2236 N VALLEY DRIVE	11	SERVICE REPLACEMENT						X		1	POLY	3/4				1981
135-02	8/13/2002	NE	24	1N	7E	11250 E APACHE TRAIL	4	SERVICE REPAIR									POLY	1				1980
136-02	8/14/2002	SE	15	1N	8E	1126 N GOLDFIELD ROAD	15	SERVICE REPLACEMENT						X		1	POLY	3/4				1975
137-02	8/14/2002	SW	13	1N	8E	5020 E SUPERSTITION BOULEVARD	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
138-02	8/14/2002	SW	17	1N	8E	NE CORNER IRONWOOD DRIVE & SUPERSTITION BOU	12	MAIN REPAIR	X											CA	6	1966
139-02	8/15/2002	NW	19	1N	8E	2475 W CODY STREET	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1959
140-02	8/15/2002	NE	25	1N	8E	5801 E BROADWAY AVENUE	4	SERVICE REPAIR									POLY	3/4				1973
141-02	8/20/2002	SE	24	1N	7E	212 S MALCOLM DRIVE	5	SERVICE REPLACEMENT						X		1	POLY	3/4				1974

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142-02	8/22/2002	SE	22	1N	8E	3032 E 4TH AVENUE	10	SERVICE REPLACEMENT						X		1	POLY	3/4				1984
143-02	8/23/2002	NE	30	1N	8E	1161 S OCOTILLO DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
144-02	8/23/2002	NE	9	1S	9E	5727 S KINGS RANCH ROAD	12	SERVICE REPLACEMENT						X		1	POLY	1				1979
145-02	8/29/2002	SE	29	1N	8E	261 W 23RD AVENUE	12	SERVICE REPLACEMENT						X		2	POLY	1				1978
146-02	8/29/2002	SE	17	1N	8E	NE CORNER SAN MARCOS DRIVE & SUPERSTITION BO	12	MAIN REPAIR	X											CA	4	1974
147-02	8/30/2002	NW	19	1N	8E	ON GREGORY STREET E OF PINAL DRIVE	8	MAIN REPAIR	X											CA	4	1972
148-02	9/3/2002	SW	25	1N	7E	10819 E GROVE STREET	9	OTHER									POLY	1				1973
149-02	9/4/2002	SW	15	1N	8E	N OF SUPERSTITION BOULEVARD ON VISTA DRIVE	12	MAIN REPAIR	X											CA	6	1960
150-02	9/5/2002	SE	12	1N	8E	JACOB WALTZ STREET & PROSPECTOR ROAD	4	SERVICE REPAIR									POLY	3/4				1965
151-02	9/5/2002	NW	30	1N	8E	1529 S MERIDIAN ROAD	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1970
152-02	9/6/2002	NW	20	1N	8E	266 N IRONWOOD DRIVE	4	SERVICE REPAIR						X			POLY	3/4				1963
153-02	9/8/2002	NW	9	1S	9E	FORTUNA AVENUE & ALAMEDA ROAD	9	MAIN REPAIR	X											CA	6	1983
154-02	9/9/2002	NE	25	1N	7E	11520 E CRESCENT AVENUE	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1982
155-02	9/10/2002	NE	30	1N	8E	903 S OCOTILLO DRIVE	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
156-02	9/11/2002	SW	19	1N	8E	2810 W 4TH AVENUE	9	SERVICE REPLACEMENT						X		1	GS	2				1965
157-02	9/16/2002	SE	23	1N	8E	4230 E BROADWAY AVENUE	6	OTHER									POLY	3/4				1972
158-02	9/16/2002	SE	24	1N	7E	152 S ELMONT DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1972
159-02	9/16/2002	NE	19	1N	8E	IRONWOOD DRIVE & ROOSEVELT STREET	12	MAIN REPAIR	X											CA	8	1985
160-02	9/17/2002	SE	25	1N	8E	6374 E SOUTHERN AVENUE	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1979
161-02	9/17/2002	NE	19	1N	8E	OCOTILLO DRIVE YARD	4	SERVICE REPAIR									POLY	3/4				1963
162-02	9/17/2002	NW	22	1N	8E	1920 E SCENIC STREET	18	SERVICE REPLACEMENT						X		1	POLY	3/4				1974
163-02	9/19/2002	NE	26	1N	7E	10741 E OASIS DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1961
164-02	9/20/2002	SW	17	1N	8E	1560 W SUPERSTITION BOULEVARD	12	SERVICE REPLACEMENT						X		1	POLY	1				1966
165-02	9/23/2002	NE	17	1N	8E	2095 N SAN MARCOS DRIVE	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1985
166-02	9/24/2002	NE	27	1N	8E	1530 S STARR ROAD	6	OTHER						X			POLY	3/4				1975
167-02	9/24/2002	NE	9	1S	9E	5575 S EASY STREET	21	SERVICE REPLACEMENT						X		1	POLY	1				1979
168-02	9/24/2002	NE	23	1N	8E	4375 E SUPERSTITION BOULEVARD	4	OTHER						X			POLY	3/4				1970
169-02	9/26/2002	NE	30	1N	8E	1941 W 10TH AVENUE	10	SERVICE REPLACEMENT						X		2	POLY	1				1971
170-02	9/26/2002	SE	18	1N	8E	820 N MAIN DRIVE	12	SERVICE REPLACEMENT								1	POLY	3/4				1970
171-02	9/27/2002	SW	15	1N	8E	1378 N WICKIUP ROAD	10	SERVICE REPLACEMENT						X		1	POLY	3/4				1979
172-02	9/27/2002	NE	26	1N	7E	10646 E OASIS DRIVE	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1978
173-02	9/30/2002	SE	9	1S	9E	10729 E SUGAR CREEK DRIVE	28	SERVICE REPLACEMENT						X		2	POLY	1				1981
174-02	10/2/2002	NW	21	1N	8E	131 N COLT ROAD	6	SERVICE REPLACEMENT								1	POLY	3/4				1974
175-02	10/2/2002	NW	21	1N	8E	183 N COLT ROAD	6	SERVICE REPLACEMENT								2	POLY	1				1974
176-02	10/2/2002	NW	21	1N	8E	170 N ROYAL PALM ROAD	12	SERVICE REPLACEMENT								1	POLY	3/4				1974
177-02	10/2/2002	NW	21	1N	8E	120 N ROYAL PALM ROAD	6	SERVICE REPLACEMENT								2	POLY	1				1974
178-02	10/2/2002	NE	21	1N	8E	135 N ROYAL PALM ROAD	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1974
179-02	10/2/2002	SW	22	1N	8E	1633 E 2ND AVENUE	24	SERVICE REPLACEMENT								1	POLY	3/4				1979
180-02	10/3/2002	SW	14	1N	7E	729 N CRISMON ROAD	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1978
181-02	10/3/2002	SW	14	1N	7E	715 N CRISMON ROAD	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1978
182-02	10/7/2002	NE	23	1N	8E	690 N MULESHOE ROAD	21	SERVICE REPLACEMENT						X		1	POLY	3/4				1970
183-02	10/8/2002	SW	17	1N	8E	GOLD DRIVE & SUPERSTITION BOULEVARD	12	MAIN REPAIR	X											CA	6	1967

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184-02	10/9/2002	SW	17	1N	8E	VALLEY DRIVE & SUPERSTITION BOULEVARD	10	MAIN REPAIR	X											CA	6	1968
185-02	10/11/2002	NW	13	1N	8E	5511 E PIONEER STREET	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1985
186-02	10/15/2002	NE	27	1N	8E	3076 E 10TH AVENUE	6	SERVICE REPLACEMENT								1	POLY	3/4				1975
187-02	10/15/2002	NE	27	1N	8E	2968 E 10TH AVENUE	12	SERVICE REPLACEMENT								1	POLY	3/4				1987
188-02	10/15/2002	NE	27	1N	8E	3012 E 10TH AVENUE	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1987
189-02	10/16/2002	NW	30	1N	8E	816 S DESERT VIEW DRIVE	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1983
190-02	10/24/2002	NE	27	1N	8E	2227 E 10TH AVENUE	4	SERVICE REPAIR									POLY	3/4				1979
191-02	10/24/2002	SE	24	1N	8E	617 S CAMINO SAGUARO	18	SERVICE REPAIR						X			POLY	1				1961
192-02	10/29/2002	NE	27	1N	8E	1059 S HILTON ROAD	2	SERVICE REPAIR						X			POLY	3/4				1980
193-02	10/31/2002	NE	13	1N	8E	5757 E LOST DUTCHMAN BOULEVARD	4	SERVICE REPAIR						X			POLY	3/4				1968
194-02	11/1/2002	SE	24	1N	7E	11412 E BROADWAY ROAD	4	SERVICE REPAIR						X			POLY	3/4				1963
195-02	11/4/2002	SE	18	1N	8E	948 N MAIN DRIVE	4	SERVICE REPLACEMENT								2	POLY	1				1970
196-02	11/4/2002	SW	20	1N	8E	447 S SILVER DRIVE	2	SERVICE REPLACEMENT						X		2	POLY	1				1970
197-02	11/4/2002	SW	20	1N	8E	1451 W 4TH AVENUE	8	SERVICE REPLACEMENT						X		2	POLY	1				1970
198-02	11/7/2002	SE	21	1N	8E	1460 E BROADWAY AVENUE	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1960
199-02	11/9/2002	SE	18	1N	8E	943 N OCOTILLO DRIVE	8	SERVICE REPLACEMENT						X		2	POLY	1				1970
200-02	11/15/2002	SW	13	1N	7E	441 N 111TH WAY	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1964
201-02	11/15/2002	NW	24	1N	8E	258 N GERONIMO ROAD	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1980
202-02	11/18/2002	NE	7	1S	9E	5571 S INDIGO DRIVE	12	SERVICE REPLACEMENT								1	POLY	3/4				1997
203-02	11/18/2002	SE	22	1N	8E	2470 E BROADWAY AVENUE	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
204-02	11/20/2002	SE	25	1N	7E	1066 S CLANCY	6	SERVICE REPAIR						X			CU	1				2001
205-02	11/21/2002	NE	27	1N	8E	2636 E 10TH AVENUE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1974
206-02	11/25/2002	NW	13	1N	8E	4979 E PIONEER STREET	6	MAIN REPAIR	X											CA	6	1981
207-02	11/26/2002	NE	8	1S	9E	6100 S KINGS RANCH ROAD	9	SERVICE REPAIR									POLY	1				1982
208-02	11/26/2002	NE	19	1N	8E	552 N IRONWOOD DRIVE	2	SERVICE REPAIR						X			CU	1				1985
209-02	11/26/2002	NW	24	1N	7E	551 N 110TH STREET	6	SERVICE REPLACEMENT								1	POLY	3/4				1972
210-02	11/27/2002	NE	22	1N	8E	385 N STARR ROAD	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1974
211-02	11/27/2002	SE	21	1N	8E	24 S STARR ROAD	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
212-02	12/2/2002	NE	22	1N	8E	415 N STARR ROAD	15	SERVICE REPLACEMENT						X		1	POLY	3/4				1974
213-02	12/4/2002	SW	21	1N	8E	143 S OUTPOST ROAD	4	SERVICE REPAIR						X			POLY	1				1983
214-02	12/6/2002	NW	14	1N	7E	933 N 103RD STREET	4	SERVICE REPAIR						X			POLY	1				1973
215-02	12/12/2002	SE	18	1N	8E	894 N OCOTILLO DRIVE	2	SERVICE REPAIR						X			POLY	1				1970
216-02	12/16/2002	SW	12	1N	8E	2425 N VAL VISTA ROAD	2	SERVICE REPAIR						X			POLY	3/4				1976
217-02	12/17/2002	NE	25	1N	8E	11450 E MARGUERITE AVENUE	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1971
218-02	12/19/2002	SW	13	1N	8E	5296 E SUPERSTITION BOULEVARD	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
219-02	12/19/2002	NE	23	1N	7E	105TH PLACE & BOULDER DRIVE	4	MAIN REPAIR	X											GS	2	1968
220-02	12/23/2002	NE	19	1N	8E	515 N PALO VERDE DRIVE	2	SERVICE REPAIR						X			POLY	1				1964
221-02	12/23/2002	NE	26	1N	7E	10723 E OASIS DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1961
001-03	1/7/2003	SW	30	1N	8E	1979 S MERIDIAN ROAD	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1976
002-03	1/9/2003	NW	12	1N	8E	5424 E SINGLETREE STREET	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1980
003-03	1/10/2003	NW	30	1N	8E	1282 S HALE DRIVE	15	SERVICE REPLACEMENT						X		2	POLY	1				1970
004-03	1/13/2003	SE	23	1N	8E	94 S MOUNTAIN VIEW ROAD	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1978

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
005-03	1/14/2003	NW	27	1N	8E	1560 S CHAPARRAL ROAD	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1981
006-03	1/14/2003	SE	29	1N	8E	405 W 17TH AVENUE	6	SERVICE REPLACEMENT						X		2	POLY	1				1965
007-03	1/14/2003	NW	27	1N	8E	2080 E 14TH AVENUE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1981
008-03	1/15/2003	NW	19	1N	8E	515 N DESERT VIEW DRIVE	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1959
009-03	1/15/2003	NE	30	1N	8E	1417 S GRAND DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1963
010-03	1/16/2003	SW	21	1N	8E	143 S OUTPOST ROAD	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1983
011-03	1/17/2003	SE	14	1N	8E	4060 E BRISBANE ROAD	15	SERVICE REPLACEMENT						X		1	POLY	3/4				1979
012-03	1/18/2003	NW	12	1N	8E	3924 N SIXSHOOTER ROAD	4	MAIN REPAIR	X											CA	6	1978
013-03	1/20/2003	NW	12	1N	8E	5540 E MINING CAMP STREET	20	SERVICE REPLACEMENT						X		1	POLY	3/4				1972
014-03	1/20/2003	SE	24	1N	7E	10540 E APACHE TRAIL	20	MAIN REPLACEMENT	X											GS	1 1/4	1955
015-03	1/21/2003	SE	14	1N	8E	1296 N MOUNTAIN VIEW ROAD	18	SERVICE REPLACEMENT								2	POLY	1				1969
016-03	1/21/2003	SE	24	1N	7E	S OF APACHE TRAIL ON ELMONT	6	MAIN REPAIR	X											GS	2	1955
017-03	1/21/2003	SE	24	1N	7E	11214 E 6TH AVENUE	6	MAIN REPAIR	X											GS	2	1955
018-03	1/22/2003	NW	22	1N	8E	242 N CONESTOGA ROAD	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1978
019-03	1/22/2003	NW	22	1N	8E	225 N CONESTOGA ROAD	8	SERVICE REPLACEMENT								1	POLY	3/4				1978
020-03	1/28/2003	SE	24	1N	7E	4TH AVENUE & EMERALD DRIVE	6	MAIN REPAIR	X											GS	2	1955
021-03	1/29/2003	SW	17	1N	8E	1173 W ESCONDIDO COURT	6	SERVICE REPLACEMENT								1	POLY	1				1973
022-03	1/29/2003	SW	17	1N	8E	1140 W ESCONDIDO COURT	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
023-03	1/29/2003	NE	23	1N	7E	104TH PLACE & BOISE STREET	6	MAIN REPAIR	X											GS	2	1966
024-03	1/30/2003	NE	23	1N	7E	10434 E BOISE STREET	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1969
025-03	2/7/2003	SW	14	1N	7E	658 N MERRILL ROAD	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1975
026-03	2/18/2003	SE	18	1N	8E	2264 W SHIPROCK STREET	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1972
027-03	2/18/2003	SE	20	1N	8E	483 S HIGO CIRCLE	6	MAIN REPAIR	X											BLE POLY	2	1976
028-03	2/20/2003	NE	19	1N	8E	182 N SAGUARO DRIVE	16	SERVICE REPLACEMENT								1	POLY					1985
029-03	2/22/2003	NE	30	1N	8E	1282 S PALO VERDE DRIVE	32	SERVICE REPLACEMENT						X		2	POLY	1				1977
030-03	2/22/2003	NE	30	1N	8E	13TH AVENUE & PALO VERDE DRIVE	32	MAIN REPAIR	X											CA	6	1977
031-03	2/24/2003	NW	19	1N	8E	620 N PINYON DRIVE	8	SERVICE REPLACEMENT								1	POLY	3/4				1959
032-03	2/26/2003	SE	15	1N	8E	1033 N STARR ROAD	4	SERVICE REPAIR						X		1	POLY	3/4				1979
033-03	3/3/2003	NE	13	1N	8E	2140 N PROSPECTOR ROAD	4	MAIN REPAIR	X											GS	2	1960
034-03	3/5/2003	SE	25	1N	8E	6255 E 20TH AVENUE	20	MAIN REPAIR	X											DIP	6	1990
035-03	3/10/2003	NW	35	1N	8E	GOLDFIELD ROAD & HIGHWAY 60	12	MAIN REPAIR	X											DIP	20	1989
036-03	3/20/2003	SE	16	1S	9E	10742 E SECRET CANYON	4	SERVICE REPAIR						X			CU	1				2000
037-03	3/28/2003	NE	8	1S	9E	6100 S KINGS RANCH ROAD	24	SERVICE REPLACEMENT								1	POLY	1				1982
038-03	3/31/2003	SW	20	1N	8E	374 S CARDINAL DRIVE	6	SERVICE REPAIR						X			POLY	3/4				1961
039-03	4/4/2003	NE	23	1N	7E	257 N 104TH PLACE	2	SERVICE REPAIR						X			POLY	3/4				2000
040-03	4/21/2003	NE	30	1N	8E	1339 S LAWTHER DRIVE	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1963
041-03	5/5/2003	SW	25	1N	8E	4948 E SOUTHERN AVENUE	6	SERVICE REPLACEMENT						X		2	POLY	1				1982
042-03	5/5/2003	NE	30	1N	8E	906 S MAIN DRIVE	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
043-03	5/5/2003	SE	29	1N	8E	1793 S SAN MARCOS DRIVE	6	SERVICE REPLACEMENT						X		2	POLY	1				1978
044-03	5/5/2003	SW	25	1N	8E	4964 E SOUTHERN AVENUE	8	SERVICE REPLACEMENT						X		2	POLY	1				1982
045-03	5/5/2003	SW	25	1N	8E	4948 E SOUTHERN AVENUE	8	SERVICE REPLACEMENT						X		2	POLY	1				1982
046-03	5/6/2003	NW	9	1S	9E	10226 E DEL MONTE AVENUE	15	SERVICE REPLACEMENT						X		1	POLY	3/4				1980

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
047-03	5/8/2003	NW	22	1N	8E	562 N VISTA ROAD	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1960
048-03	5/8/2003	NE	30	1N	8E	906 S MAIN DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
049-03	5/9/2003	SE	24	1N	8E	619 S CAMINO SERENO	6	SERVICE REPLACEMENT						X		1	POLY	1				1983
050-03	5/9/2003	SE	24	1N	8E	614 S CAMINO SERENO	9	SERVICE REPLACEMENT						X		1	POLY	1				1983
051-03	5/12/2003	SW	12	1N	8E	2425 N VAL VISTA ROAD	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1976
052-03	5/13/2003	SE	20	1N	8E	730 W 5TH AVENUE	9	MAIN REPAIR	X											BLE POLY	2	1977
053-03	5/14/2003	SE	25	1N	8E	1883 S GERONIMO ROAD	4	SERVICE REPAIR									POLY	1				1973
054-03	5/19/2003	NW	9	1S	9E	6130 S ALHAMBRA WAY	32	SERVICE REPLACEMENT						X		1	POLY	3/4				1980
055-03	5/21/2003	NW	30	1N	8E	845 S WARNER DRIVE	12	SERVICE REPLACEMENT						X		2	POLY	3/4				1976
056-03	5/22/2003	NE	24	1N	8E	SUNSET ROAD & SUPERSTITION BOULEVARD	12	MAIN REPAIR	X											CA	6	1979
057-03	5/28/2003	SE	20	1N	8E	735 W DATIL AVENUE	18	MAIN REPAIR	X											BLE POLY	2	1977
058-03	5/30/2003	SE	24	1N	7E	55 S MOUNTAIN ROAD	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1963
059-03	5/30/2003	NW	19	1N	8E	2544 W CODY STREET	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1959
060-03	6/3/2003	NW	16	1N	8E	1755 N IDAHO ROAD	9	MAIN REPAIR	X											CA	8	1974
061-03	6/4/2003	NW	9	1S	9E	9972 E DEL MONTE AVENUE	12	SERVICE REPLACEMENT						X		1	POLY	1				1984
062-03	6/9/2003	SE	25	1N	8E	1885 S GERONIMO ROAD	18	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
063-03	6/11/2003	NE	24	1N	7E	104 N 114TH STREET	4	SERVICE REPAIR						X			POLY	1				1970
064-03	6/11/2003	NW	24	1N	8E	SUPERSTITION BOULEVARD & GERONIMO ROAD	6	MAIN REPAIR	X											DIP	12	1998
065-03	6/12/2003	NE	25	1N	7E	11540 E CRESCENT AVENUE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1982
066-03	6/13/2003	SE	9	1S	9E	ALHAMBRA WAY & HUMMINGBIRD LANE	24	SERVICE REPLACEMENT								1	POLY	1				1981
067-03	6/13/2003	SW	17	1N	8E	1062 W ESCONDIDO COURT	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
068-03	6/13/2003	NE	29	1N	8E	1374 S BUENA VISTA DRIVE	4	SERVICE REPLACEMENT						X		2	POLY	1				1976
069-03	6/13/2003	SE	12	1N	8E	PROSPECTOR ROAD & LOST DUTCHMAN BOULEVARD	12	MAIN REPAIR	X											CA	6	1979
070-03	6/16/2003	SW	21	1N	8E	COLT ROAD & OLD HIGHWAY 60	15	MAIN REPAIR	X											CA	6	1961
071-03	6/17/2003	NE	18	1N	8E	1949 W FOOTHILL STREET	4	SERVICE REPAIR						X			POLY	1				1985
072-03	6/17/2003	NW	24	1N	8E	4916 E JUNCTION STREET	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1979
073-03	6/17/2003	NE	13	1N	8E	5936 E WINDSONG STREET	2	MAIN REPAIR	X											GS	2	1960
074-03	6/18/2003	NW	22	1N	8E	285 N CONESTOGA ROAD	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1978
075-03	6/20/2003	SE	24	1N	7E	11435 E APACHE TRAIL	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1964
076-03	6/20/2003	NE	30	1N	8E	1775 W 10TH AVENUE	16	SERVICE REPLACEMENT						X		2	POLY	1				1971
077-03	6/23/2003	SW	25	1N	7E	10919 E LA SALLE STREET	4	SERVICE REPAIR						X			POLY	3/4				1973
078-03	6/24/2003	SE	9	1S	9E	6382 S LAZY LANE	36	SERVICE REPLACEMENT						X		1	POLY	1				1981
079-03	6/24/2003	NE	13	1N	7E	11242 E ENROSE STREET	8	SERVICE REPLACEMENT						X		1	CU	1				2002
080-03	6/26/2003	SE	18	1N	8E	1838 W ROUNDUP STREET	8	SERVICE REPLACEMENT								1	POLY	3/4				1972
081-03	6/26/2003	SE	18	1N	8E	1836 W ROUNDUP STREET	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1972
082-03	6/27/2003	NW	24	1N	8E	284 N GERONIMO ROAD	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1980
083-03	6/28/2003	NE	13	1N	8E	WINDSONG STREET & PROSPECTOR ROAD	2	MAIN REPAIR	X											GS	2	1960
084-03	6/30/2003	NE	12	1N	8E	6176 E MINING CAMP STREET	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
085-03	7/1/2003	NW	19	1N	8E	2669 W GREGORY STREET	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1970
086-03	7/5/2003	NW	19	1N	8E	2557 W SUPERSTITION BOULEVARD	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1959
087-03	7/6/2003	NW	24	1N	8E	4947 E ROOSEVELT STREET	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1979
088-03	7/6/2003	SE	21	1N	8E	1330 E BROADWAY AVENUE	32	SERVICE REPLACEMENT						X		1	GS	2				1960

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
089-03	7/7/2003	SW	14	1N	7E	725 N 102ND PLACE	12	SERVICE REPLACEMENT								1	POLY	1				1973
090-03	7/9/2003	SW	13	1N	8E	5430 E SHIPROCK STREET	9	MAIN REPLACEMENT	X										6	GS	2	1963
091-03	7/11/2003	SW	20	1N	8E	198 S THUNDERBIRD DRIVE	2	SERVICE REPAIR						X			POLY	3/4				1961
092-03	7/16/2003	SE	9	1S	9E	11197 E SLEEPY HOLLOW TRAIL	24	SERVICE REPLACEMENT						X		2	POLY	1				1981
093-03	7/17/2003	SE	20	1N	8E	452 S HIGO CIRCLE	15	MAIN REPLACEMENT	X										2	BLE POLY	2	1977
094-03	7/18/2003	NE	12	1N	8E	5911 E MINING CAMP STREET	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1961
095-03	7/21/2003	SW	9	1S	9E	10096 E SLEEPY HOLLOW TRAIL	18	SERVICE REPLACEMENT						X		2	POLY	1				1981
096-03	7/22/2003	SW	25	1N	7E	10901 E PUEBLO AVENUE	6	OTHER									POLY	3/4				1973
097-03	7/26/2003	SE	24	1N	7E	4TH AVENUE & EMERALD DRIVE	4	MAIN REPAIR	X											GS	2	1955
098-03	7/28/2003	NE	30	1N	8E	1585 S OCOTILLO DRIVE	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
099-03	7/29/2003	SW	19	1N	8E	775 S SMYTHE DRIVE	4	SERVICE REPAIR						X			POLY	3/4				1995
100-03	7/29/2003	NW	9	1S	9E	6171 S ALAMEDA ROAD	15	SERVICE REPLACEMENT								1	POLY	1				1981
101-03	7/29/2003	NE	19	1N	8E	2210 W APACHE TRAIL	4	MAIN REPAIR	X											CA	4	1960
102-03	7/30/2003	NE	21	1N	8E	508 N CACTUS ROAD	12	SERVICE REPLACEMENT								2	POLY	1				1970
103-03	8/1/2003	SW	25	1N	7E	11035 E PUEBLO AVENUE	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
104-03	8/4/2003	SE	9	1S	9E	11125 E SLEEPY HOLLOW TRAIL	6	SERVICE REPLACEMENT						X		2	POLY	1				1981
105-03	8/4/2003	SE	9	1S	9E	11121 E SLEEPY HOLLOW TRAIL	6	SERVICE REPLACEMENT						X		2	POLY	1				1981
106-03	8/4/2003	SE	13	1N	8E	5651 E MANZANITA STREET	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1978
107-03	8/5/2003	NE	30	1N	8E	1187 S LAWTHER DRIVE	6	SERVICE REPLACEMENT								1	POLY	3/4				1963
108-03	8/5/2003	SE	20	1N	8E	436 S HIGO CIRCLE	15	MAIN REPLACEMENT	X										10	BLE POLY	2	1977
109-03	8/6/2003	SW	9	1S	9E	10322 E BREATHLESS DRIVE	2	SERVICE REPAIR						X			POLY	1				1981
110-03	8/7/2003	NE	25	1N	8E	5980 E 14TH AVENUE	4	SERVICE REPAIR						X			POLY	1				1980
111-03	8/8/2003	SW	22	1N	8E	265 S WICKIUP ROAD	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1976
112-03	8/8/2003	SW	22	1N	8E	2063 E 2ND AVENUE	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1976
113-03	8/8/2003	SW	22	1N	8E	2029 E 2ND AVENUE	4	SERVICE REPLACEMENT						X		2	POLY	1				1976
114-03	8/8/2003	SW	22	1N	8E	265 S WICKIUP ROAD	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1976
115-03	8/11/2003	SE	25	1N	8E	6171 E 22ND AVENUE	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1979
116-03	8/11/2003	SW	25	1N	7E	10856 E SUNLAND AVENUE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
117-03	8/12/2003	SE	9	1S	9E	11125 E PLEASANT PLACE	9	SERVICE REPAIR						X			POLY	1				1981
118-03	8/12/2003	SW	18	1N	8E	2746 W ROUNDUP STREET	20	SERVICE REPLACEMENT						X		1	POLY	3/4				1972
119-03	8/12/2003	NE	27	1N	8E	1258 S GOLDFIELD ROAD	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1974
120-03	8/13/2003	SW	18	1N	8E	1332 N WARNER DRIVE	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1971
121-03	8/14/2003	NW	12	1N	8E	5505 E MINING CAMP STREET	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1974
122-03	8/15/2003	SE	9	1S	9E	10487 E BREATHLESS DRIVE	20	SERVICE REPAIR						X			POLY	1				1981
123-03	8/15/2003	NE	22	1N	8E	246 N GOLDFIELD ROAD	6	SERVICE REPAIR									POLY	3/4				1984
124-03	8/18/2003	SW	21	1N	8E	127 S OUTPOST ROAD	2	SERVICE REPAIR						X			POLY	1				1983
125-03	8/18/2003	SE	9	1S	9E	6743 S LAZY LANE	12	SERVICE REPLACEMENT						X		2	POLY	1				1981
126-03	8/18/2003	NE	23	1N	8E	585 N MULESHOE ROAD	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1977
127-03	8/19/2003	NE	25	1N	7E	11451 E BROADWAY ROAD	6	SERVICE REPLACEMENT						X		2	POLY	1				1972
128-03	8/20/2003	SE	9	1S	9E	10869 E PLEASANT PLACE	20	SERVICE REPLACEMENT						X		2	POLY	1				1981
129-03	8/22/2003	NW	19	1N	8E	2853 W OHIO STREET	16	SERVICE REPLACEMENT								2	POLY	1				1970
130-03	8/23/2003	NE	9	1S	9E	10605 E CORDOVA AVENUE	20	SERVICE REPLACEMENT						X		1	POLY	1				1979

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
131-03	8/27/2003	NE	30	1N	8E	1910 W 9TH AVENUE	20	SERVICE REPLACEMENT						X		1	POLY	3/4				1971
132-03	8/27/2003	SW	17	1N	8E	1448 W ROUNDUP STREET	4	SERVICE REPAIR						X			POLY	1				1970
133-03	8/28/2003	SE	9	1S	9E	11122 E SLEEPY HOLLOW TRAIL	6	SERVICE REPAIR						X			POLY	1				1981
134-03	9/1/2003	SE	20	1N	8E	452 S OLMO CIRCLE	20	MAIN REPLACEMENT	X										2	BLE POLY	2	1977
135-03	9/2/2003	NE	19	1N	8E	546 N OCOTILLO DRIVE	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1963
136-03	9/8/2003	SE	9	1S	9E	11125 E PLEASANT PLACE	12	SERVICE REPLACEMENT								4	POLY	1				1981
137-03	9/8/2003	NE	25	1N	8E	5980 E 14TH AVENUE	2	SERVICE REPAIR						X			POLY	1				1980
138-03	9/8/2003	NW	13	1N	8E	VAL VISTA ROAD & HIDALGO STREET	4	MAIN REPAIR	X											GS	2	1959
139-03	9/9/2003	NW	19	1N	8E	518 N DESERT VIEW DRIVE	9	SERVICE REPLACEMENT						X		2	POLY	1				1959
140-03	9/9/2003	SW	18	1N	8E	2926 W ROUNDUP STREET	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1971
141-03	9/10/2003	SE	14	1N	8E	1324 N BOYD ROAD	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1983
142-03	9/11/2003	NW	13	1N	8E	5251 E PIONEER STREET	18	SERVICE REPLACEMENT						X		1	POLY	3/4				1985
143-03	9/11/2003	SE	19	1N	8E	681 W 23RD AVENUE	9	SERVICE REPLACEMENT						X		2	POLY	1				1978
144-03	9/12/2003	SW	9	1S	9E	9841 E SLEEPY HOLLOW TRAIL	32	SERVICE REPLACEMENT						X		2	POLY	1				1981
145-03	9/15/2003	NW	27	1N	8E	2235 E 12TH AVENUE	6	SERVICE REPLACEMENT						X		2	POLY	1				1980
146-03	9/15/2003	SE	9	1S	9E	6379 S LAZY LANE	4	SERVICE REPLACEMENT						X		1	POLY	1				1981
147-03	9/16/2003	SW	13	1N	7E	523 N 110TH STREET	12	SERVICE REPLACEMENT						X		2	POLY	1				1964
148-03	9/18/2003	SE	9	1S	9E	11035 E SLEEPY HOLLOW TRAIL	44	SERVICE REPLACEMENT								2	POLY	1				1981
049-03	9/19/2003	SE	9	1S	9E	10916 E BREATHLESS DRIVE	14	SERVICE REPLACEMENT						X		2	POLY	1				1981
150-03	9/26/2003	NW	12	1N	8E	3316 N VAL VISTA ROAD	16	SERVICE REPLACEMENT						X		1	POLY	3/4				1978
151-03	9/26/2003	NW	13	1N	8E	5075 E PIONEER STREET	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1981
152-03	9/29/2003	NW	27	1N	8E	1029 S VISTA ROAD	2	SERVICE REPAIR									POLY	3/4				1975
153-03	9/30/2003	SE	22	1N	8E	549 S STARR ROAD	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1974
154-03	10/1/2003	NW	25	1N	8E	5772 E 10TH AVENUE	21	SERVICE REPLACEMENT								1	POLY	3/4				1959
155-03	10/1/2003	NE	29	1N	8E	1519 S SAN MARCOS DRIVE	8	SERVICE REPLACEMENT						X		1	POLY	1				1976
156-03	10/1/2003	SW	13	1N	8E	1025 N MOUNTAIN VIEW ROAD	12	SERVICE REPLACEMENT								1	POLY	3/4				1969
157-03	10/1/2003	NE	27	1N	8E	1441 S CORTEZ ROAD	21	SERVICE REPLACEMENT								1	POLY	3/4				1974
158-03	10/3/2003	SW	6	1N	8E	2877 W KANIKSU STREET	2	SERVICE REPAIR						X			POLY	3/4				1984
159-03	10/3/2003	NE	17	1N	8E	226 W FOOTHILL STREET	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1980
160-03	10/6/2003	SE	29	1N	8E	1620 S PLAZA DRIVE	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1965
161-03	10/8/2003	NE	25	1N	8E	1375 S PROSPECTOR ROAD	18	SERVICE REPLACEMENT						X		1	POLY	1				1980
162-03	10/8/2003	NE	21	1N	8E	1468 E SCENIC STREET	20	SERVICE REPLACEMENT								1	POLY	3/4				1964
163-03	10/10/2003	SW	21	1N	8E	255 S WINCHESTER ROAD	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1971
164-03	10/14/2003	SW	13	1N	8E	5331 E MANZANITA STREET	4	SERVICE REPAIR						X			POLY	3/4				1969
165-03	10/14/2003	NE	13	1N	8E	5775 E WINDSONG STREET	4	MAIN REPAIR	X											GS	2	1960
166-03	10/15/2003	NE	27	1N	8E	2965 E 13TH AVENUE	24	SERVICE REPLACEMENT						X		1	POLY	1				1985
167-03	10/17/2003	SE	29	1N	8E	415 W 16TH AVENUE	9	SERVICE REPLACEMENT						X		1	POLY	1				1965
168-03	10/17/2003	NE	13	1N	8E	5786 E PIONEER STREET	4	MAIN REPAIR	X											GS	2	1960
169-03	10/22/2003	SE	20	1N	8E	725 W APACHE TRAIL	36	SERVICE REPLACEMENT								1	POLY	2				1979
170-03	10/22/2003	SW	13	1N	7E	415 N 111TH STREET	24	SERVICE REPLACEMENT						X		1	POLY	1				1964
171-03	10/23/2003	SW	17	1N	8E	1037 N VALLEY ROAD	4	OTHER									POLY	3/4				1973
172-03	10/28/2003	NE	24	1N	8E	6100 E CHOLLA STREET	10	SERVICE REPLACEMENT						X		1	POLY	3/4				1982

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
173-03	10/29/2003	NE	20	1N	8E	530 W APACHE TRAIL	12	SERVICE REPLACEMENT						X		1	POLY	1				1984
174-03	10/30/2003	SW	19	1N	8E	450 S WARNER DRIVE	4	SERVICE REPAIR						X			CU	3/4				1995
175-03	10/30/2003	NE	25	1N	7E	11429 E CRESCENT AVENUE	8	SERVICE REPLACEMENT						X		2	POLY	1				1971
176-03	10/30/2003	NE	20	1N	8E	530 W APACHE TRAIL	4	SERVICE REPAIR						X			POLY	1				1984
177-03	11/3/2003	SW	9	1S	9E	10233 E SLEEPY HOLLOW TRAIL	18	SERVICE REPLACEMENT						X		1	POLY	1				1981
178-03	11/9/2003	NW	17	1N	8E	1988 N VALLEY ROAD	22	SERVICE REPLACEMENT						X		1	POLY	3/4				1981
179-03	11/10/2003	NE	19	1N	8E	431 N DELAWARE DRIVE	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1962
180-03	11/12/2003	SW	25	1N	7E	SIGNAL BUTTE ROAD & GROVE STREET	28	MAIN REPAIR	X											CA	8	1975
181-03	11/12/2003	SW	6	1N	8E	MERIDIAN ROAD & MCKELLIPS ROAD	40	MAIN REPAIR	X											CA	12	1978
182-03	11/18/2003	SE	12	1N	8E	5947 E SINGLETREE STREET	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1983
183-03	11/19/2003	SE	23	1N	8E	MULESHOE ROAD & BROADWAY AVENUE	20	MAIN REPAIR	X											CA	6	1975
184-03	11/19/2003	NW	30	1N	8E	1500 S WARNER DRIVE	12	MAIN REPAIR	X											GS	2	1977
185-03	11/20/2003	SE	14	1N	8E	933 N ARROYO ROAD	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1979
186-03	11/21/2003	SE	14	1N	7E	QUARTERLINE ROAD & SIGNAL BUTTE ROAD	12	MAIN REPAIR	X											CA	4	1970
187-03	11/26/2003	NE	13	1N	8E	1791 N GERONIMO ROAD	12	SERVICE REPLACEMENT								1	POLY	1				1976
188-03	12/1/2003	NE	30	1N	8E	988 S SAGUARO DRIVE	18	SERVICE REPLACEMENT						X		2	POLY	1				1971
189-03	12/2/2003	SE	13	1N	8E	1075 N BUCKSKIN ROAD	21	SERVICE REPLACEMENT						X		2	POLY	1				1981
190-03	12/3/2003	SE	24	1N	7E	11312 E 6TH AVENUE	10	SERVICE REPAIR						X			POLY	3/4				1963
191-03	12/3/2003	SE	24	1N	7E	11312 E 6TH AVENUE	10	MAIN REPAIR	X											CA	6	1963
192-03	12/4/2003	NE	24	1N	7E	110 N 114TH STREET	10	SERVICE REPLACEMENT						X		2	POLY	1				1970
193-03	12/8/2003	NW	25	1N	8E	4860 E 12TH AVENUE	16	SERVICE REPLACEMENT						X		1	POLY	1				1983
194-03	12/11/2003	NE	13	1N	8E	5885 E WINDSONG STREET	4	MAIN REPAIR	X											GS	2	1960
195-03	12/12/2003	NE	21	1N	8E	881 E SCENIC STREET	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1981
196-03	12/12/2003	SW	9	1S	9E	10412 E HUMMINGBIRD LANE	8	OTHER						X			POLY	3/4				1980
197-03	12/19/2003	SE	24	1N	8E	5768 E CALLE MIRAGE	20	SERVICE REPLACEMENT								1	POLY	1				1983
198-03	12/29/2003	SE	20	1N	8E	772 W ROSAL CIRCLE	16	MAIN REPAIR	X											BLE POLY	2	1977
199-03	12/31/2003	SE	20	1N	8E	722 W ROSAL CIRCLE	12	MAIN REPAIR	X											BLE POLY	2	1977
001-04	1/2/2004	NE	24	1N	8E	5768 ROOSEVELT STREET	6	SERVICE REPAIR									POLY	3/4				1979
002-04	1/2/2004	NW	30	1N	8E	1342 S DESERT VIEW PLACE	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1970
003-04	1/2/2004	NE	18	1N	8E	1870 N GRAND DRIVE	15	SERVICE REPLACEMENT						X		1	POLY	3/4				1978
004-04	1/6/2004	NW	14	1N	7E	10218 E ADOBE ROAD	21	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
005-04	1/8/2004	SE	18	1N	8E	1325 N DELAWARE DRIVE	9	MAIN REPAIR						X			GS	2				1972
006-04	1/9/2004	SW	13	1N	8E	5331 E MANZANITA STREET	15	SERVICE REPLACEMENT						X		1	POLY	3/4				1969
007-04	1/9/2004	SE	24	1N	8E	4TH AVENUE & SUNSET ROAD	12	MAIN REPAIR	X											CA	4	1971
008-04	1/9/2004	NE	30	1N	8E	S MARA DRIVE & 15TH LANE	24	MAIN REPAIR	X											CA	6	1985
009-04	1/13/2004	NE	25	1N	8E	1375 S PROSPECTOR ROAD	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1980
010-04	1/13/2004	NE	22	1N	8E	176 N ACACIA ROAD	12	SERVICE REPLACEMENT						X		2	POLY	1				1971
011-04	1/15/2004	SE	21	1N	8E	572 S CACTUS ROAD	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1972
012-04	1/15/2004	NE	30	1N	8E	860 S SAGUARO DRIVE	21	SERVICE REPLACEMENT						X		2	POLY	1				1971
013-04	1/15/2004	SW	17	1N	8E	1278 W GREASEWOOD STREET	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1978
014-04	1/28/2004	SE	24	1N	8E	5926 E EL CAMINO QUINTO #92	16	SERVICE REPLACEMENT								1	POLY	3/4				1982
015-04	1/28/2004	SE	24	1N	8E	E EL CAMINO QUINTO #91	16	SERVICE REPLACEMENT								1	POLY	3/4				1982

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016-04	1/28/2004	SE	24	1N	8E	5915 E EL CAMINO QUINTO	16	SERVICE REPLACEMENT								1	POLY	1				1982
017-04	2/5/2004	NW	6	1N	8E	5200 N WARNER DRIVE	6	SERVICE REPAIR									POLY	1				1983
018-04	2/10/2004	NE	30	1N	8E	1311 S OCOTILLO DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
019-04	2/10/2004	NE	19	1N	8E	2300 W APACHE TRAIL	32	MAIN REPAIR	X											CA	4	1960
020-04	2/17/2004	SW	20	1N	8E	430 S THUNDERBIRD DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1961
021-04	2/25/2004	SE	24	1N	8E	5860 E ARROYO LINDO	12	SERVICE REPLACEMENT						X		2	POLY	1				1981
022-04	2/25/2004	SW	25	1N	7E	GROVE STREET & CAP CANAL	15	MAIN REPAIR	X											DIP	6	1985
023-04	3/1/2004	NE	20	1N	8E	800 W APACHE TRAIL	14	SERVICE REPLACEMENT						X		1	GS	2				1964
024-04	3/2/2004	SW	25	1N	7E	949 S SIGNAL BUTTE ROAD	4	SERVICE REPAIR						X			POLY	1				1973
025-04	3/8/2004	NW	8	1S	7E	8210 E MULLIGAN COURT	32	MAIN REPAIR	X											DIP	6	1996
026-04	3/9/2004	NW	27	1N	8E	2283 E BROADWAY ROAD	4	SERVICE REPAIR						X			POLY	1				1973
027-04	3/9/2004	NE	25	1N	8E	1300 S PROSPECTOR ROAD	18	SERVICE REPLACEMENT						X		1	POLY	3/4				1980
028-04	3/9/2004	SE	13	1N	8E	5964 E SUPERSTITION BOULEVARD	16	MAIN REPAIR	X											CA	6	1982
029-04	3/11/2004	SW	13	1N	7E	10933 E ADOBE ROAD	18	SERVICE REPLACEMENT						X		1	POLY	3/4				1996
030-04	3/18/2004	NW	12	1N	8E	3480 N VAL VISTA ROAD	24	SERVICE REPAIR						X			POLY	3/4				1978
031-04	3/24/2004	SW	13	1N	7E	525 N 111TH STREET	12	SERVICE REPLACEMENT						X		1	POLY	1				1994
032-04	3/24/2004	NE	23	1N	7E	10546 E BOISE STREET	20	MAIN REPAIR	X											GS	2	1968
033-04	3/30/2004	NW	13	1N	8E	5511 E PIONEER STREET	32	SERVICE REPLACEMENT						X		1	POLY	3/4				1985
034-04	3/31/2004	SE	20	1N	8E	482 S OLMO CIRCLE	9	MAIN REPAIR	X											BLE POLY	2	1976
035-04	4/5/2004	NW	30	1N	8E	1131 S MERIDIAN ROAD	24	MAIN REPAIR	X											GS	2	1971
036-04	4/6/2004	NW	14	1N	7E	937 N 103RD STREET	6	SERVICE REPAIR						X			POLY	3/4				1973
037-04	4/6/2004	NW	19	1N	8E	514 N CORNWALL DRIVE	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1959
038-04	4/6/2004	SE	24	1N	7E	340 S MALCOLM DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1963
039-04	4/15/2004	SW	25	1N	7E	10919 E LA SALLE STREET	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
040-04	4/20/2004	SE	20	1N	8E	446 S OLMO CIRCLE	12	MAIN REPAIR	X											BLE POLY	2	1976
041-04	4/24/2004	SW	22	1N	8E	1712 E BROADWAY AVENUE	24	MAIN REPAIR	X											CA	6	1960
042-04	4/25/2004	SE	21	1N	8E	505 S ROYAL PALM ROAD	20	MAIN REPAIR	X											CA	8	1989
043-04	4/25/2004	NW	27	1N	8E	1070 S VISTA ROAD	24	MAIN REPAIR	X											CA	6	1979
044-04	4/28/2004	SW	30	1N	8E	1650 S CEDAR DRIVE	15	SERVICE REPLACEMENT								1	POLY	3/4				1972
045-04	5/5/2004	SE	24	1N	7E	11412 E BROADWAY ROAD	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1969
046-04	5/14/2004	NE	19	1N	8E	2106 E GREGORY STREET	2	SERVICE REPAIR						X			POLY	3/4				1962
047-04	5/14/2004	NW	24	1N	7E	10992 E APACHE TRAIL	12	OTHER						X			GS	2				1971
048-04	5/17/2004	SW	9	1S	9E	10322 E BREATHLESS DRIVE	4	SERVICE REPAIR						X			POLY	1				1981
049-04	5/17/2004	SE	29	1N	8E	768 & 788 W 17TH AVENUE	4	SERVICE REPLACEMENT						X		2	POLY	1				1965
050-04	5/17/2004	NE	21	1N	8E	275 N ROYAL PALM ROAD	16	MAIN REPAIR	X											CA	6	1974
051-04	5/18/2004	SW	18	1N	8E	2544 W ROUNDUP STREET	4	SERVICE REPAIR						X			POLY	3/4				1985
052-04	5/19/2004	SE	9	1S	9E	10812 E SLEEPY HOLLOW TRAIL	6	SERVICE REPLACEMENT						X		2	POLY	1				1981
053-04	5/21/2004	SW	19	1N	8E	672 S WARNER DRIVE	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1995
054-04	5/23/2004	SE	9	1S	9E	10430 E BREATHLESS DRIVE	8	SERVICE REPLACEMENT						X		2	POLY	1				1981
055-04	5/25/2004	NW	12	1N	8E	3480 N VAL VISTA ROAD	28	SERVICE REPLACEMENT						X		1	POLY	3/4				1978
056-04	5/26/2004	SE	8	1S	9E	10012 E SLEEPY HOLLOW TRAIL	9	SERVICE REPLACEMENT								1	POLY	3/4				1988
057-04	6/2/2004	SW	32	1N	9E	SUPERSTITION MOUNTAIN & LOST GOLD DRIVE	8	MAIN REPAIR	X											DIP	6	2002

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058-04	6/4/2004	SE	13	1N	8E	1490 N LA BARGE ROAD	18	MAIN REPAIR	X											CA	4	1974
059-04	6/7/2004	NW	19	1N	8E	2646 E GREGORY STREET	15	SERVICE REPLACEMENT						X		2	POLY	1				1959
060-04	6/8/2004	SW	13	1N	8E	5331 E MANZANITA STREET	4	SERVICE REPAIR						X			POLY	3/4				1969
061-04	6/10/2004	SW	17	1N	8E	1252 N SAN MARCOS DRIVE	6	SERVICE REPLACEMENT						X		1	CU	3/4				1995
062-04	6/15/2004	SW	13	1N	8E	5331 E MANZANITA STREET	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1969
063-04	6/16/2004	SE	25	1N	8E	5872 E 20TH AVENUE	18	SERVICE REPLACEMENT						X		1	POLY	3/4				1959
064-04	6/17/2004	SE	9	1S	9E	6416 E HIDEAWAY LANE	6	SERVICE REPLACEMENT						X		1	POLY	1				1981
065-04	6/17/2004	SW	17	1N	8E	1448 W ROUNDUP STREET	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1970
066-04	6/22/2004	SW	15	1N	8E	1330 N WICKIUP ROAD	20	SERVICE REPLACEMENT						X		1	POLY	1				1979
067-04	6/22/2004	NE	21	1N	8E	1341 E SCENIC STREET	20	SERVICE REPLACEMENT						X		2	POLY	1				1964
068-04	6/22/2004	SW	15	1N	8E	1150 N WICKIUP ROAD	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1979
069-04	6/22/2004	NW	30	1N	8E	1477 S WARNER DRIVE	6	OTHER						X			POLY	3/4				1977
070-04	6/24/2004	NE	25	1N	8E	5824 E 10TH AVENUE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
071-04	6/25/2004	SE	9	1S	9E	10905 E BREATHLESS DRIVE	24	SERVICE REPLACEMENT						X		1	POLY	1				1981
072-04	6/26/2004	SE	24	1N	8E	5763 E EL CAMINO QUINTO	20	SERVICE REPLACEMENT						X		1	POLY	1				1983
073-04	6/26/2004	NE	12	1N	8E	3044 N PROSPECTOR ROAD	6	MAIN REPAIR	X											CA	4	1974
074-04	6/26/2004	SE	12	1N	8E	BOULDER DRIVE W OF PROSPECTOR ROAD	6	MAIN REPAIR	X											CA	4	1974
075-04	6/29/2004	NW	20	1N	8E	650 N RENNICK DRIVE	8	SERVICE REPLACEMENT								1	POLY	3/4				1979
076-04	7/1/2004	NE	30	1N	8E	1023 S OCOTILLO DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
077-04	7/1/2004	SE	24	1N	7E	135 S EMERALD DRIVE	4	MAIN REPAIR	X											GS	2	1955
078-04	7/2/2004	SE	29	1S	8E	1984 S BUENA VISTA DRIVE	6	SERVICE REPLACEMENT						X		2	POLY	1				1972
079-04	7/2/2004	NE	30	1N	8E	1019 S LAWTHER DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1963
080-04	7/2/2004	SE	24	1N	7E	11202 E 6TH AVENUE	16	MAIN REPAIR	X											GS	2	1955
081-04	7/7/2004	SE	24	1N	8E	5864 E BROADWAY AVENUE	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1981
082-04	7/7/2004	SE	29	1N	8E	612 W 21ST AVENUE	16	SERVICE REPLACEMENT						X		2	POLY	1				1977
083-04	7/7/2004	SW	30	1N	8E	1651 S CEDAR DRIVE	10	SERVICE REPLACEMENT								1	POLY	3/4				1963
084-04	7/8/2004	SE	9	1N	9E	10674 E SUGAR CREEK DRIVE	8	SERVICE REPLACEMENT						X		2	POLY	1				1981
085-04	7/10/2004	SE	20	1N	8E	575 W APACHE TRAIL	12	SERVICE REPLACEMENT								1	GS	2				1962
086-04	7/15/2004	SW	6	1N	8E	2800 W WHITELEY STREET	10	SERVICE REPLACEMENT						X		1	POLY	3/4				1984
087-04	7/16/2004	SE	9	1S	9E	11003 E BREATHLESS DRIVE	20	SERVICE REPLACEMENT						X		2	POLY	1				1981
088-04	7/19/2004	SE	14	1N	8E	1131 N BOYD ROAD	24	SERVICE REPLACEMENT						X		2	POLY	1				1981
089-04	7/20/2004	NE	24	1N	7E	11313 E BOISE STREET #29 & #30	12	SERVICE REPLACEMENT						X		2	POLY	1				1980
090-04	7/26/2004	SW	13	1N	8E	5323 E GREASEWOOD STREET	2	SERVICE REPAIR						X			POLY	3/4				1976
091-04	7/26/2004	NW	12	1N	8E	5453 E REAVIS STREET	15	SERVICE REPLACEMENT						X		1	POLY	3/4				1979
092-04	7/29/2004	SE	20	1N	8E	NE CORNER DATIL AVENUE & SIERRA VISTA DRIVE	40	MAIN REPAIR	X											BLE POLY	2	1977
093-04	8/4/2004	SW	9	1S	9E	10322 E BREATHLESS DRIVE	12	SERVICE REPLACEMENT								1	POLY	3/4				1981
094-04	8/9/2004	SW	20	1N	8E	894 W 5TH AVENUE	15	SERVICE REPLACEMENT						X		1	POLY	3/4				1961
095-04	8/9/2004	NW	9	1S	9E	5737 S JACARANDA ROAD	10	SERVICE REPLACEMENT								2	POLY	1				1982
096-04	8/10/2004	NW	9	1S	9E	6038 S ALAMEDA ROAD	12	SERVICE REPLACEMENT								2	POLY	1				1983
097-04	8/11/2004	NW	25	1N	8E	5153 E 10TH AVENUE	16	SERVICE REPLACEMENT						X		4	POLY	1				1959
098-04	8/12/2004	SW	17	1N	8E	1341 N GOLD DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1972
099-04	8/12/2004	NW	22	1N	8E	2055 E SCENIC STREET	8	SERVICE REPLACEMENT								1	POLY	3/4				1972

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
100-04	8/20/2004	SE	29	1N	8E	1780 S MONTEREY DRIVE	9	SERVICE REPLACEMENT								2	POLY	1				1978
101-04	8/20/2004	SE	20	1N	8E	100 W APACHE TRAIL	24	SERVICE REPLACEMENT						X		11	POLY	3/4				1972
102-04	8/20/2004	NW	9	1S	9E	9946 E LA PALMA AVENUE	6	SERVICE REPLACEMENT						X		2	POLY	1				1983
103-04	8/21/2004	SW	29	1N	8E	NE CORNER IRONWOOD DRIVE & SOUTHERN AVENUE	24	MAIN REPAIR	X											CA	8	1975
104-04	8/22/2004	SE	9	1S	9E	10861 E SLEEPY HOLLOW TRAIL	32	SERVICE REPLACEMENT						X		2	POLY	1				1981
105-04	8/23/2004	NE	21	1N	8E	135 N ROYAL PALM ROAD	24	SERVICE REPLACEMENT						X		3	POLY	1				1974
106-04	8/31/2004	SE	24	1N	7E	4TH AVENUE & EMERALD DRIVE	4	MAIN REPAIR	X											GS	2	1955
107-04	8/31/2004	SW	25	1N	7E	PUEBLO AVENUE & CAP CANAL	15	MAIN REPAIR	X											DIP	6	1985
108-04	9/1/2004	SW	9	1S	9E	6951 S TUM TUM COURT	15	SERVICE REPLACEMENT								1	POLY	3/4				1981
109-04	9/1/2004	SW	17	1N	8E	1024 W ESCONDIDO COURT	2	SERVICE REPAIR									POLY	1				1974
110-04	9/2/2004	SW	18	1N	8E	3082 W ROUNDUP STREET	6	SERVICE REPLACEMENT								1	POLY	3/4				1971
111-04	9/2/2004	NE	22	1N	8E	264 N GOLDFIELD ROAD	15	SERVICE REPLACEMENT						X		1	POLY	3/4				1984
112-04	9/8/2004	NE	21	1N	8E	1519 S SAN MARCOS DRIVE	6	SERVICE REPLACEMENT						X		2	POLY	1				1976
113-04	9/15/2004	NE	19	1N	8E	2086 W GREGORY STREET	6	SERVICE REPAIR									POLY	3/4				1962
114-04	9/21/2004	NW	20	1N	8E	681 N THUNDERBIRD DRIVE	6	SERVICE REPLACEMENT								1	POLY	3/4				1979
115-04	9/21/2004	NE	12	1N	8E	5650 E MINING CAMP STREET	15	SERVICE REPLACEMENT								1	POLY	1				1972
116-04	9/21/2004	SW	5	1N	7E	SWEET ACACIA DRIVE & DESERT WILLOW DRIVE	63	MAIN REPAIR	X											DIP	6	1993
117-04	9/28/2004	NE	12	1N	8E	3556 N PROSPECTOR ROAD	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1972
118-04	9/29/2004	NE	17	1N	8E	2158 N APACHE DRIVE	15	SERVICE REPLACEMENT						X		1	POLY	3/4				1982
119-04	9/29/2004	SW	29	1N	8E	IRONWOOD DRIVE S OF SOUTHERN AVENUE	40	MAIN REPAIR	X											CA	8	1970
120-04	9/30/2004	NW	27	1N	8E	896 S VISTA ROAD	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1974
121-04	10/1/2004	NE	29	1N	8E	1316 S BUENA VISTA DRIVE	9	SERVICE REPLACEMENT								1	POLY	3/4				1976
122-04	10/6/2004	SE	18	1N	8E	924 N OCOTILLO DRIVE	9	SERVICE REPLACEMENT						X		2	POLY	1				1970
123-04	10/8/2004	NW	12	1N	8E	3310 N VAL VISTA ROAD	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1978
124-04	10/13/2004	NW	25	1N	8E	SANDSTONE COURT & 10TH AVENUE	12	SERVICE REPLACEMENT								4	POLY	1				1972
125-04	10/19/2004	NW	19	1N	8E	642 N PINAL DRIVE	6	SERVICE REPLACEMENT						X		2	POLY	1				1970
126-04	10/19/2004	SW	20	1N	8E	513 S CARDINAL DRIVE	2	SERVICE REPAIR									POLY	3/4				1961
127-04	10/21/2004	SW	21	1N	8E	127 S OUTPOST ROAD	6	SERVICE REPLACEMENT								1	POLY	1				1983
128-04	10/22/2004	NW	12	1N	8E	5301 E SINGLETREE STREET	12	SERVICE REPLACEMENT						X		2	CU	1				2001
129-04	10/25/2004	SW	25	1N	8E	1691 S SIXSHOOTER ROAD	8	SERVICE REPLACEMENT								3	POLY	1				1986
130-04	11/4/2004	SE	24	1N	7E	6TH DRIVE & ELMONT DRIVE	56	MAIN REPLACEMENT	X											GS	2	1955
131-04	11/15/2004	SW	14	1N	7E	450 N 101ST PLACE	6	SERVICE REPLACEMENT								1	POLY	3/4				1978
132-04	11/16/2004	SE	22	1N	8E	2920 E 2ND AVENUE	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1968
133-04	11/16/2004	SW	13	1N	8E	1050 N SIXSHOOTER ROAD	4	SERVICE REPAIR									POLY	1				1970
134-04	11/18/2004	SE	9	1S	9E	10621 E SUGAR CREEK DRIVE	15	SERVICE REPLACEMENT								1	POLY	1				1981
135-04	11/19/2004	SW	14	1N	7E	535 N MERRILL ROAD	15	SERVICE REPLACEMENT						X		1	POLY	3/4				1976
136-04	11/26/2004	SE	24	1N	7E	11335 E 5TH AVENUE	24	SERVICE REPLACEMENT						X		1	POLY	3/4				1963
137-04	11/29/2004	SE	24	1N	8E	5901 E ARROYO LINDO	24	SERVICE REPLACEMENT						X		2	POLY	1				1981
138-04	12/9/2004	NW	22	1N	8E	532 N VISTA ROAD	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1960
139-04	12/13/2004	NE	30	1N	8E	1149 S LAWTHER DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1963
140-04	12/15/2004	NW	30	1N	8E	1586 S HALE DRIVE	6	SERVICE REPLACEMENT								1	POLY	3/4				1970
141-04	12/18/2004	SE	24	1N	8E	418 S PROSPECTOR ROAD	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1982

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142-04	12/18/2004	SE	8	1S	9E	9102 E CALLE LUNA	32	SERVICE REPLACEMENT						X		1	POLY	1				1983
143-04	12/20/2004	NE	23	1N	7E	105TH PLACE & BOULDER DRIVE	20	MAIN REPAIR	X											GS	2	1968
144-04	12/22/2004	SE	7	1S	9E	N SIDE US 60 & MOUNTAIN BROOK GOLF COURSE	16	MAIN REPAIR	X											CA	12	1985
145-04	12/29/2004	SW	30	1N	8E	MERIDIAN ROAD N OF SOUTHERN AVENUE	40	MAIN REPAIR	X										400	DIP	12	1996
001-05	1/3/2005	NE	26	1N	7E	522 S SIGNAL BUTTE ROAD	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1961
002-05	1/7/2005	SW	6	1S	9E	MOUNTAIN BROOK GOLF COURSE	24	SERVICE REPLACEMENT								1	POLY	3/4				1979
003-05	1/10/2005	NW	30	1N	8E	1584 S CEDAR DRIVE	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1979
004-05	1/10/2005	SE	24	1N	7E	EMERALD DRIVE & 4TH AVENUE	4	MAIN REPAIR	X											GS	2	1955
005-05	1/16/2005	NE	26	1N	7E	IN ALLEY BETWEEN 107TH STREET & BROADWAY AVE	12	MAIN REPAIR	X											CA	4	1961
006-05	1/24/2005	SE	14	1N	7E	10711 E ADOBE ROAD	20	MAIN REPAIR	X											CA	6	1979
007-05	2/3/2005	NE	27	1N	8E	974 S STARR ROAD	20	SERVICE REPLACEMENT						X		1	POLY	3/4				1974
008-05	2/8/2005	SE	29	1N	8E	401 W 23RD AVENUE	9	SERVICE REPLACEMENT								2	POLY	1				1978
009-05	2/8/2005	SW	25	1N	7E	11001 E GROVE STREET BEHIND HOUSE	24	MAIN REPAIR	X											CA	6	1985
010-05	2/12/2005	SE	22	1N	8E	HILTON ROAD & 7TH AVENUE	15	MAIN REPAIR	X											GS	2	1962
011-05	2/18/2005	NW	20	1N	8E	840 W APACHE TRAIL	16	SERVICE REPLACEMENT								1	POLY	1				1981
012-05	2/24/2005	NW	22	1N	8E	CHAPARRAL ROAD & SCENIC STREET	18	MAIN REPAIR	X											CA	6	1978
013-05	2/28/2005	SE	24	1N	7E	232 S MALCOLM DRIVE	9	SERVICE REPLACEMENT								1	POLY	3/4				1974
014-05	3/9/2005	SW	22	1N	8E	BROADWAY AVENUE & VISTA ROAD	24	MAIN REPAIR	X											CA	6	1960
015-05	3/11/2005	NW	23	1N	7E	10356 E BOISE STREET	6	SERVICE REPLACEMENT								1	POLY	3/4				1966
016-05	3/15/2005	NE	24	1N	7E	11250 E APACHE TRAIL	20	SERVICE REPLACEMENT						X		1	POLY	3/4				1980
017-05	3/16/2005	SE	14	1N	7E	107TH STREET & ADOBE ROAD	12	MAIN REPAIR	X											CA	6	1982
018-05	3/17/2005	NE	29	1N	8E	1395 S SAN MARCOS DRIVE	12	SERVICE REPLACEMENT						X		2	POLY	1				1976
019-05	3/17/2005	SW	17	1N	8E	1381 W ROUNDUP STREET	8	SERVICE REPLACEMENT						X		4	POLY	1				1970
020-05	3/17/2005	NW	17	1N	8E	1813 N IRONWOOD DRIVE	16	SERVICE REPLACEMENT						X		2	POLY	1				1982
021-05	3/17/2005	SW	22	1N	8E	BROADWAY AVENUE & VISTA ROAD	16	MAIN REPAIR	X											CA	6	1960
022-05	3/22/2005	NW	25	1N	7E	DELTA AVENUE & PARKWOOD RANCH	24	MAIN REPAIR	X											DIP	8	1998
023-05	3/26/2005	NW	23	1N	7E	BOISE STREET EAST OF MERRILL ROAD	32	MAIN REPAIR	X											DIP	6	2002
024-05	3/28/2005	SE	17	1N	8E	701 W TEPEE STREET	24	SERVICE REPLACEMENT								1	POLY	3/4				1977
025-05	3/29/2005	SE	13	1N	8E	5767 E ROUNDUP STREET	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1981
026-05	3/30/2005	SW	13	1N	8E	5430 E SHIPROCK STREET	4	MAIN REPAIR	X											GS	2	1963
027-05	3/31/2005	SE	20	1N	8E	450 S OLMO CIRCLE	16	MAIN REPAIR	X											BLE POLY	2	1976
028-05	4/8/2005	NE	17	1N	8E	181 W WINDSONG STREET	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1982
029-05	4/13/2005	NE	8	1S	9E	KINGS RANCH ROAD & AVENIDA LA MANANA	8	OTHER									POLY	3/4				1979
030-05	4/18/2005	SE	24	1S	7E	31 S EMERALD DRIVE	8	SERVICE REPLACEMENT								1	POLY	1				1970
031-05	5/2/2005	NE	30	1N	8E	1555 S OCOTILLO DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
032-05	5/2/2005	NE	30	1N	8E	1453 S OCOTILLO DRIVE	4	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
033-05	5/9/2005	NE	29	1N	8E	1332 & 1354 S BUENA VISTA DRIVE	8	SERVICE REPLACEMENT								2	POLY	1				1976
034-05	5/10/2005	SW	18	1N	8E	1222 N WARNER DRIVE	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1971
035-05	5/12/2005	NE	23	1N	7E	10544 E BOULDER DRIVE	16	SERVICE REPLACEMENT						X		1	CU	3/4				1996
036-05	5/17/2005	NE	24	1N	7E	104 N 114TH STREET	4	SERVICE REPLACEMENT						X		2	POLY	1				1970
037-05	5/19/2005	NW	22	1N	8E	2151 E SCENIC STREET	4	SERVICE REPAIR						X			POLY	3/4				1974
038-05	5/20/2005	SE	22	1N	8E	538 S ACACIA ROAD	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1973

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039-05	5/23/2005	SW	13	1N	7E	444 N 112TH STREET	6	SERVICE REPLACEMENT								2	POLY	1				1964
040-05	5/24/2005	SE	9	1S	9E	11014 E SLEEPY HOLLOW TRAIL	10	SERVICE REPLACEMENT						X		2	POLY	1				1981
041-05	5/24/2005	SW	20	1N	8E	305 S COPPER DRIVE	12	MAIN REPAIR	X											CA	4	1970
042-05	5/31/2005	NE	27	1N	8E	2706 E 10TH AVENUE	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1974
043-05	5/31/2005	NW	22	1N	8E	256 N CHAPARRAL ROAD	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1972
044-05	6/7/2005	SE	9	1S	9E	10995 E PLEASANT PLACE	12	SERVICE REPLACEMENT						X		2	POLY	1				1981
045-05	6/10/2005	SE	25	1N	8E	5798 E SOUTHERN AVENUE	12	SERVICE REPLACEMENT								2	CU	1				1987
046-05	6/13/2005	NW	14	1N	7E	10208 E ADOBE ROAD	10	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
047-05	6/20/2005	SE	9	1S	9E	10734 E BREATHLESS DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1981
048-05	6/27/2005	SE	20	1N	8E	180 N APACHE TRAIL	25	MAIN REPAIR	X											CA	6	1962
049-05	6/28/2005	NE	30	1N	8E	1567 S LAWTHER DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1963
050-05	6/28/2005	SE	22	1N	8E	2624 E BROADWAY AVENUE	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
051-05	7/6/2005	NE	30	1N	8E	1951 W 9TH AVENUE	10	SERVICE REPLACEMENT						X		2	POLY	1				1971
052-05	7/7/2005	NE	13	1N	7E	11312 E ENROSE STREET	6	SERVICE REPLACEMENT						X		1	CU	1				2002
053-05	7/8/2005	SW	9	1S	9E	6373 S ALAMEDA ROAD	8	SERVICE REPLACEMENT								1	POLY	1				1980
054-05	7/8/2005	SW	29	1N	8E	2373 S CARDINAL DRIVE	4	SERVICE REPAIR									CU	1				2004
055-05	7/11/2005	SW	13	1N	8E	5471 E SHIPROCK STREET	20	SERVICE REPLACEMENT						X		1	POLY	3/4				1963
056-05	7/13/2005	NW	25	1N	7E	10932 E CLOVIS AVENUE	20	SERVICE REPLACEMENT						X		1	POLY	1				1999
057-05	7/18/2005	NW	9	1S	9E	5599 S ALAMEDA ROAD	12	SERVICE REPLACEMENT						X		1	POLY	1				1982
058-05	7/19/2005	NW	19	1N	8E	342 N PINYON DRIVE	12	SERVICE REPLACEMENT						X		2	POLY	1				1970
059-05	7/21/2005	NE	9	1S	9E	10585 E LA PALMA AVENUE	10	SERVICE REPLACEMENT								1	POLY	1				1979
060-05	7/25/2005	SE	9	1S	9E	10712 E HUMMINGBIRD LANE	24	SERVICE REPLACEMENT						X		2	POLY	1				1980
061-05	7/25/2005	NE	25	1N	8E	907 S GERONIMO ROAD	14	SERVICE REPLACEMENT						X		1	POLY	3/4				1979
062-05	7/25/2005	SE	20	1N	8E	BETWEEN WELLS FARGO & CHAMBER OF COMMERCE	8	MAIN REPAIR	X											CA	6	1962
063-05	7/26/2005	NW	17	1N	8E	1937 N VALLEY DRIVE	4	SERVICE REPLACEMENT								1	POLY	3/4				1981
064-05	7/26/2005	SE	29	1N	8E	1877 S SAN MARCOS DRIVE	4	SERVICE REPLACEMENT								1	POLY	3/4				1978
065-05	7/28/2005	NW	9	1S	9E	5557 S ALAMEDA ROAD	4	SERVICE REPAIR									POLY	1				1982
066-05	7/28/2005	SW	22	1N	8E	2225 E JUNCTION STREET	2	SERVICE REPAIR						X			POLY	1				1978
067-05	7/29/2005	SW	22	1N	8E	2161 E JUNCTION STREET	6	SERVICE REPLACEMENT						X		2	POLY	1				1970
068-05	7/29/2005	SW	18	1N	8E	2655 W MOCKINGBIRD STREET	6	SERVICE REPLACEMENT								1	POLY	3/4				1971
069-05	8/2/2005	NE	24	1N	7E	11425 E UNIVERSITY DRIVE	6	SERVICE REPLACEMENT						X			GS	2				1972
070-05	8/8/2005	SE	20	1N	8E	231 S PHELPS DRIVE	4	MAIN REPAIR						X		1	POLY	3/4				1971
071-05	8/11/2005	NW	30	1N	8E	896 S CEDAR DRIVE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1972
072-05	8/12/2005	SE	20	1N	8E	OLMO CIRCLE & 5TH AVENUE	40	MAIN REPLACEMENT	X										27	BLE POLY	2	1976
073-05	8/16/2005	SE	20	1N	8E	ROSAL AVENUE & SIERRA VISTA DRIVE	15	MAIN REPAIR	X											BLE POLY	2	1977
074-05	8/22/2005	NE	27	1N	8E	1271 S STARR ROAD	8	SERVICE REPLACEMENT						X		2	POLY	1				1974
075-05	8/22/2005	SE	18	1N	8E	1930 W ROUNDUP STREET	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1972
076-05	8/25/2005	SE	24	1N	8E	5840 E EL CAMINO QUINTO	12	SERVICE REPLACEMENT								2	POLY	1				1982
077-05	8/26/2005	NW	9	1S	9E	9832 E LA PALMA AVENUE	9	SERVICE REPLACEMENT						X		2	POLY	1				1983
078-05	8/26/2005	SE	20	1N	8E	431 W APACHE TRAIL	18	MAIN REPAIR	X											GS	2	1962
079-05	8/31/2005	NE	5	1S	9E	4236 S CAMINO DE VIDA	12	SERVICE REPLACEMENT								1	CU	1				1998
080-05	9/2/2005	SE	22	1N	8E	232 S HILTON ROAD	20	MAIN REPAIR	X											DIP	6	1987

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
081-05	9/8/2005	SW	33	1N	9E	LATHAM WAY	8	OTHER								4	CU	1				2003
082-05	9/12/2005	SE	9	1S	9E	6445 S LAZY LANE	9	SERVICE REPLACEMENT								2	POLY	1				1981
083-05	9/12/2005	SE	20	1N	8E	ROSAL AVENUE & SIERRA VISTA DRIVE	16	MAIN REPAIR	X											BLE POLY	2	1977
084-05	9/14/2005	SW	18	1N	8E	929 N WARNER DRIVE	12	SERVICE REPLACEMENT								2	POLY	1				1972
085-05	9/15/2005	SE	9	1S	9E	11070 E BREATHLESS DRIVE	6	SERVICE REPLACEMENT								2	POLY	1				1981
086-05	9/19/2005	NE	27	1N	8E	1575 S CORTEZ ROAD	8	SERVICE REPLACEMENT						X		1	POLY	3				1974
087-05	9/19/2005	NE	27	1N	8E	1059 S HILTON ROAD	4	SERVICE REPLACEMENT						X		1	POLY	3				1980
088-05	9/19/2005	SW	13	1N	8E	GREASEWOOD STREET & AL SIEBER ROAD	6	SERVICE REPAIR									POLY	3				1984
089-05	9/20/2005	SE	20	1N	8E	PHELPS DRIVE	10	SERVICE REPAIR									CU	2				1976
090-05	9/20/2005	NE	24	1N	7E	11313 E BOISE STREET	12	SERVICE REPLACEMENT						X		2	POLY	1				1980
091-05	9/20/2005	SE	13	1N	8E	5962 E SIESTA STREET	15	SERVICE REPLACEMENT						X		1	POLY	3				1978
092-05	9/21/2005	NE	13	1N	8E	5850 E CONCHO STREET	9	SERVICE REPLACEMENT								1	POLY	3/4				1960
093-05	9/23/2005	NW	12	1N	8E	5586 E MINING CAMP STREET	6	MAIN REPAIR	X											GS	2	1977
094-05	9/27/2005	NE	19	1N	8E	GREGORY STREET & PALO VERDE DRIVE	2	SERVICE REPAIR									POLY	3/4				1962
095-05	9/30/2005	SE	9	1S	9E	10576 E SLEEPY HOLLOW TRAIL	16	SERVICE REPLACEMENT								1	POLY	1				1981
096-05	10/4/2005	NE	26	1N	7E	514 S 107TH STREET	2	SERVICE REPAIR						X			POLY	3/4				1972
097-05	10/11/2005	SW	20	1N	8E	198 S THUNDERBIRD DRIVE	24	SERVICE REPLACEMENT						X		1	POLY	1				1961
098-05	10/13/2005	NE	29	1N	8E	1434 S BUENA VISTA DRIVE	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1976
099-05	10/13/2005	NW	27	1N	8E	2038 N 14TH AVENUE	6	SERVICE REPAIR									POLY	3/4				1981
100-05	10/21/2005	NE	22	1N	8E	472 N HILTON ROAD	12	SERVICE REPLACEMENT								1	POLY	3/4				1968
101-05	10/25/2005	NW	20	1N	8E	231 N THUNDERBIRD DRIVE	8	SERVICE REPLACEMENT								1	POLY	3/4				1979
102-05	10/27/2005	SW	17	1N	8E	1031 W ESCONDIDO COURT	10	SERVICE REPLACEMENT						X		2	POLY	3/4				1974
103-05	11/1/2005	NE	21	1N	8E	1335 E SCENIC STREET	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1964
104-05	11/1/2005	NE	13	1N	7E	11354 E FOX STREET	8	SERVICE REPLACEMENT						X		1	POLY	3/4				2002
105-05	11/3/2005	SE	12	1N	8E	2880 N LA BARGE ROAD	4	SERVICE REPAIR						X			POLY	3/4				1965
106-05	11/14/2005	SW	17	1N	8E	930 W ROUNDUP STREET	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1979
107-05	11/15/2005	NE	23	1N	7E	343 & 350 N JAMES COURT	14	SERVICE REPLACEMENT						X		2	POLY	3/4				1975
108-05	11/17/2005	NW	27	1N	8E	2038 E 14TH AVENUE	12	OTHER									POLY	3/4				1981
109-05	11/18/2005	SE	20	1N	8E	740 S PAUSTAIN CIRCLE	12	OTHER								2	CU	1				2005
110-05	11/21/2005	SE	24	1N	7E	158 S ELMONT DRIVE	12	SERVICE REPLACEMENT						X		2	POLY	1				1972
111-05	11/28/2005	SW	30	1N	8E	16TH AVENUE EAST OF CEDAR DRIVE	12	SERVICE REPAIR									POLY	3/4				1974
112-05	11/30/2005	SW	13	1N	7E	429 N 111TH STREET	21	SERVICE REPLACEMENT						X		1	POLY	3/4				1964
113-05	12/5/2005	NE	21	1N	8E	CACTUS ROAD & ROOSEVELT STREET	24	MAIN REPAIR	X											CA	6	1978
114-05	12/6/2005	SW	13	1N	8E	5086 E RAWHIDE STREET	8	MAIN REPAIR	X											GS	2	1966
115-05	12/12/2005	NE	30	1N	8E	960 S MARA DRIVE	4	SERVICE REPLACEMENT								1	POLY	3/4				1971
116-05	12/16/2005	NE	18	1N	8E	1804 W TEPEE STREET	21	SERVICE REPLACEMENT								4	POLY	1				1975
117-05	12/19/2005	NW	27	1N	8E	2286 E 14TH AVENUE	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1980
118-05	12/28/2005	SE	9	1S	9E	6497 S LAZY LANE	24	SERVICE REPLACEMENT						X		2	POLY	1				1981
119-05	12/29/2005	SE	13	1N	8E	1255 N SUNSET ROAD	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1971
120-05	12/29/2005	NW	22	1N	8E	77 N TOMAHAWK ROAD	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1977
001-06	1/3/2006	NE	13	1N	8E	1775 N PROSPECTOR ROAD	9	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1966
002-06	1/4/2006	NW	14	1N	7E	890 N 103RD STREET	10	SERVICE REPLACEMENT						X		1	POLY	3/4				1973

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003-06	1/5/2006	SW	13	1N	8E	974 N AL SIEBER ROAD	21	SERVICE REPLACEMENT			X	X	X			1	POLY	1				1959
004-06	1/9/2006	SW	17	1N	8E	1022 W ESCONDIDO COURT	12	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1973
005-06	1/10/2006	NE	18	1N	8E	1911 N MAIN DRIVE	8	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1975
006-06	1/13/2006	SW	25	1N	7E	11102 E GROVE STREET	18	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1973
007-06	1/19/2006	NW	14	1N	7E	1326 E ADOBE ROAD	24	SERVICE REPLACEMENT			X	X	X			1	POLY	1				1973
008-06	1/19/2006	NE	18	1N	8E	1901 N GRAND DRIVE	12	SERVICE REPLACEMENT								1	POLY	1				1978
009-06	1/23/2006	NE	27	1N	8E	2726 E 12TH AVENUE	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1974
010-06	1/26/2006	NE	30	1N	8E	1091 S OCOTILLO DRIVE	4	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1973
011-06	1/28/2006	NE	24	1N	7E	11425 E UNIVERSITY DRIVE	4	SERVICE REPAIR						X			GS	2				1970
012-06	1/28/2006	SW	16	1S	9E	9826 E PROSPECTOR ROAD	20	SERVICE REPLACEMENT			X	X	X			1	CU	1				2005
013-06	2/1/2006	NE	17	1N	8E	288 W SMOKETREE STREET	10	OTHER						X			POLY	1				1977
014-06	2/6/2006	NE	25	1N	7E	11402 E WEIR AVENUE	8	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1979
015-06	2/6/2006	SE	9	1S	9E	10568 E BREATHLESS DRIVE	8	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1981
016-06	2/6/2006	NW	12	1N	8E	5650 E MINING CAMP STREET	12	MAIN REPAIR				X								GS	2	1977
017-06	2/9/2006	NW	27	1N	8E	2286 E 14TH AVENUE	8	MAIN REPAIR	X											CA	6	1980
018-06	2/13/2006	SE	24	1N	7E	135 S EMERALD DRIVE	8	MAIN REPAIR				X								GS	2	1955
019-06	2/13/2006	SW	21	1N	8E	ROYAL PALM ROAD & BROADWAY AVENUE	18	MAIN REPAIR	X											CA	12	1979
020-06	2/15/2006	NW	23	1N	8E	3945 E UNIVERSITY DRIVE	8	SERVICE REPAIR						X		1	CU	1				1995
021-06	2/15/2006	NE	23	1N	7E	10540 E APACHE TRAIL	6	MAIN REPAIR	X											GS	2	1955
022-06	2/17/2006	NE	30	1N	8E	1798 W 13TH AVENUE	6	SERVICE REPAIR					X				POLY	1				1979
023-06	2/21/2006	SW	30	1N	8E	1775 S LAWSON DRIVE	4	SERVICE REPAIR			X	X	X				CU	3/4				1989
024-06	2/27/2006	SW	9	1S	9E	6314 S EAGLE PASS ROAD	4	SERVICE REPAIR					X				CU	1				2005
025-06	2/27/2006	NE	30	1N	8E	1798 W 13TH AVENUE	24	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1979
026-06	3/1/2006	NW	22	1N	8E	245 N TOMAHAWK ROAD	4	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1960
027-06	3/1/2006	NW	19	1N	8E	2539 W SCENIC STREET	4	SERVICE REPAIR			X	X	X				POLY	3/4				1962
028-06	3/2/2006	SE	18	1N	8E	1835 W SHIPROCK STREET	4	SERVICE REPAIR						X			POLY	1				1973
029-06	3/2/2006	SW	19	1N	8E	543 S CORNWALL DRIVE	6	SERVICE REPAIR			X	X	X				POLY	3/4				1983
030-06	3/3/2006	NE	30	1N	8E	1900 W 13TH AVENUE	8	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1979
031-06	3/6/2006	NE	7	1S	9E	7576 E WHISPERING MESQUITE LANE	6	SERVICE REPAIR			X	X	X				CU	3/4				1995
032-06	3/13/2006	SW	22	1N	8E	TOMAHAWK ROAD & VISTA ROAD	42	MAIN REPLACEMENT				X							10	CA	6	1960
033-06	3/14/2006	NE	25	1N	7E	11511 E BROADWAY ROAD	12	SERVICE REPLACEMENT		X	X	X	X			2	POLY	1				1969
034-06	3/23/2006	SE	29	1N	8E	1861 S SAN MARCOS DRIVE	8	SERVICE REPLACEMENT		X	X	X	X			2	POLY	1				1978
035-06	3/24/2006	SE	24	1N	7E	107 S MOUNTAIN ROAD	18	SERVICE REPLACEMENT			X	X	X			1	POLY	1				1963
036-06	3/27/2006	SE	21	1N	8E	1136 E 4TH AVENUE	8	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1986
037-06	3/27/2006	SW	19	1N	8E	543 S CORNWALL DRIVE	6	SERVICE REPAIR			X	X	X				POLY	3/4				1983
038-06	3/27/2006	SE	9	1S	9E	10762 E SLEEPY HOLLOW TRAIL	8	SERVICE REPAIR					X			2	CU	1				1991
039-06	3/29/2006	SW	19	1N	8E	BROADWAY AVENUE & MERIDIAN ROAD	8	SERVICE REPAIR									POLY	3/4				1984
040-06	4/7/2006	SE	13	1N	8E	1544 N CHARLEBOIS AVENUE	12	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1980
041-06	4/11/2006	NW	25	1N	8E	1075 S MOUNTAIN VIEW ROAD	12	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1979
042-06	4/12/2006	NE	13	1N	7E	11364 E FAIRBROOK STREET	12	SERVICE REPLACEMENT								1	CU	1				2002
043-06	4/12/2006	NE	13	1N	7E	11331 E FAIRBROOK STREET	12	SERVICE REPLACEMENT								1	CU	1				2002
044-06	4/18/2006	NW	9	1S	9E	9870 E LA PALMA AVENUE	18	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1985

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045-06	4/19/2006	SW	13	1N	8E	1266 N GERONIMO ROAD	20	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1976
046-06	4/19/2006	SE	9	1S	9E	10762 E SLEEPY HOLLOW TRAIL	9	SERVICE REPLACEMENT			X	X	X			2	CU	1				1991
047-06	4/26/2006	NE	13	1N	8E	PIONEER STREET & GERONIMO ROAD	12	MAIN REPAIR	X											GS	2	1960
048-06	4/27/2006	NE	23	1N	8E	534 N MOUNTAIN VIEW ROAD	6	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1978
049-06	4/29/2006	NW	30	1N	8E	953 S WARNER DRIVE	12	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1976
050-06	5/9/2006	SE	9	1S	9E	6963 S LAZY LANE	14	SERVICE REPLACEMENT		X	X	X	X			2	POLY	1				1981
051-06	5/17/2006	NW	17	1N	8E	1075 W SMOKETREE STREET	10	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1987
052-06	5/17/2006	SE	13	1N	8E	ROUNDUP STREET & MANZANITA STREET	16	MAIN REPAIR	X											CA	4	1971
053-06	5/23/2006	SW	22	1N	8E	185 N CONESTOGA ROAD	12	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1978
054-06	5/24/2006	NE	18	1N	8E	2321 N GRAND DRIVE	12	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1978
055-06	6/5/2006	NE	30	1N	8E	1589 S LAWTHER DRIVE	6	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1970
056-06	6/6/2006	NW	27	1N	8E	1029 S VISTA ROAD	21	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1975
057-06	6/8/2006	SE	29	1N	8E	341 W 23RD AVENUE	8	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1978
058-06	6/9/2006	NW	22	1N	8E	1676 E SCENIC STREET	24	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1964
059-06	6/9/2006	SW	9	1S	9E	9702 E SLEEPY HOLLOW TRAIL	8	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1981
060-06	6/12/2006	NW	24	1N	7E	311 N 110TH STREET	6	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1973
061-06	6/13/2006	SE	24	1N	7E	11550 E 5TH AVENUE	40	MAIN REPAIR	X											CA	6	1963
062-06	6/14/2006	NW	30	1N	8E	1665 S MERIDIAN ROAD	16	MAIN REPAIR				X								CA	6	1974
063-06	6/16/2006	SE	29	1N	8E	485 W 16TH AVENUE	18	SERVICE REPAIR			X	X	X				CU	1				1963
064-06	6/20/2006	NW	25	1N	7E	11044 E VINE AVENUE	12	SERVICE REPLACEMENT		X	X	X	X			2	POLY	1				1976
065-06	6/20/2006	NE	19	1N	8E	610 N OCOTILLO DRIVE	9	MAIN REPAIR	X											CA	4	1963
066-06	6/21/2006	NW	9	1S	9E	10145 E AGUA VISTA WAY	15	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1982
067-06	6/27/2006	SE	14	1N	8E	1244 N BOYD ROAD	12	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1981
068-06	6/29/2006	NE	13	1N	8E	CONCHO STREET & SUNSET ROAD	9	MAIN REPAIR	X											GS	1	1960
069-06	6/30/2006	NE	13	1N	8E	5936 E WINDSONG STREET	9	MAIN REPAIR	X											GS	2	1960
070-06	7/10/2006	SE	5	1S	9E	5379 S JUNIPER HILLS DRIVE	24	MAIN REPAIR				X								DIP	8	1993
071-06	7/11/2006	NW	9	1S	9E	9750 E LA PALMA AVENUE #2	8	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1981
072-06	7/13/2006	NW	17	1N	8E	1677 N IRONWOOD DRIVE	12	SERVICE REPLACEMENT								1	GS	2				1984
073-06	7/14/2006	SE	12	1N	8E	2880 N LA BARGE ROAD	4	SERVICE REPAIR						X			POLY	3/4				1965
074-06	7/14/2006	SE	9	1S	9E	11122 E SLEEPY HOLLOW TRAIL	8	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1981
075-06	7/14/2006	NW	24	1N	8E	4924 E ROOSEVELT STREET	12	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1979
076-06	7/15/2006	NE	22	1N	7E	2977 E SUPERSTITION BOULEVARD	21	MAIN REPLACEMENT				X							5	CA	4	1966
077-06	7/17/2006	SW	22	1N	8E	2230 E 2ND AVENUE	20	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1978
078-06	7/19/2006	NE	14	1N	7E	10620 E FENIMORE ROAD	18	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1982
079-06	7/21/2006	NE	5	1S	9E	4366 S AVENIDA DE ANGELES	32	SERVICE REPLACEMENT		X	X	X	X			1	CU	1				1998
080-06	7/21/2006	SW	25	1N	8E	11020 E GROVE STREET	35	MAIN REPLACEMENT		X		X							9	CA	6	1985
081-06	7/24/2006	NW	17	1N	8E	1747 N VALLEY DRIVE	9	OTHER			X		X				POLY	3/4				1979
082-06	7/25/2006	SE	17	1N	8E	441 W ROUNDUP STREET	18	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1982
083-06	7/26/2006	SE	9	1S	9E	6559 S LAZY LANE	4	SERVICE REPAIR					X				POLY	1				1981
084-06	7/28/2006	SE	24	1N	7E	11311 E 6TH AVENUE	6	SERVICE REPAIR			X		X				CU	3/4				1989
085-06	8/2/2006	SW	14	1N	7E	709 N MERRILL ROAD	15	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1975
086-06	8/3/2006	SE	9	1S	9E	6559 S LAZY LANE	16	SERVICE REPLACEMENT		X	X	X	X			1	POLY	1				1981

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087-06	8/3/2006	SE	14	1N	7E	10609 E QUARTERLINE ROAD	9	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1970
088-06	8/7/2006	SW	9	1S	9E	9880 E PALERMO AVENUE	12	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1980
089-06	8/7/2006	NE	13	1N	8E	5786 E PIONEER STREET	4	MAIN REPAIR	X											GS	2	1960
090-06	8/9/2006	NW	19	1N	8E	2548 W OHIO STREET	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1959
091-06	8/9/2006	NE	25	1N	7E	555 S MOUNTAIN ROAD	12	SERVICE REPLACEMENT						X		1	GS	2				1970
092-06	8/14/2006	NE	30	1N	8E	1587 S GRAND DRIVE	9	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1973
093-06	8/14/2006	SE	29	1N	8E	1844 S MONTEREY DRIVE	12	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1978
094-06	8/15/2006	NE	17	1N	8E	85 W WINDSONG STREET	9	SERVICE REPLACEMENT			X	X	X			2	POLY	3/4				1982
095-06	8/15/2006	NE	17	1N	8E	2122 N IDAHO ROAD	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1982
096-06	8/16/2006	NW	13	1N	8E	2030 N DON PERALTA ROAD	9	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1960
097-06	8/18/2006	NW	13	1N	8E	2020 N DON PERALTA ROAD	12	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1960
098-06	8/25/2006	NW	14	1N	7E	10111 E FENIMORE ROAD	12	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1981
099-06	8/25/2006	SW	9	1S	9E	9962 E SLEEPY HOLLOW TRAIL	8	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1981
100-06	8/31/2006	NW	22	1N	8E	2633 E SUPERSTITION BOULEVARD	12	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1970
101-06	9/7/2006	NE	30	1N	8E	1674 W 14TH AVENUE	8	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1979
102-06	9/7/2006	NW	19	1N	8E	2470 W CHOLLA STREET	6	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1959
103-06	9/7/2006	SW	24	1N	7E	301 S SIGNAL BUTTE ROAD	12	SERVICE REPLACEMENT						X		1	STEEL	4				1983
104-06	9/8/2006	NW	19	1N	8E	290 N PINYON DRIVE	8	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1970
105-06	9/11/2006	NE	18	1N	8E	2139 N GRAND DRIVE	8	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1978
106-06	9/12/2006	SE	15	1N	8E	1020 N HILTON ROAD	15	SERVICE REPLACEMENT			X	X	X			1	POLY	1				1975
107-06	9/19/2006	SE	29	1N	8E	605 W 23RD AVENUE	12	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1978
108-06	9/19/2006	NE	24	1N	7E	321 N 110TH STREET	12	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1973
109-06	9/21/2006	NE	24	1N	7E	157 & 158 N 113TH WAY	8	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1970
110-06	10/12/2006	SW	17	1N	8E	1109 N VALLEY DRIVE	16	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1973
111-06	10/23/2006	NW	9	1S	9E	9892 E LA PALMA AVENUE #2	12	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1981
112-06	10/24/2006	NE	13	1N	8E	CONCHO STREET & SUNSET ROAD	18	MAIN REPLACEMENT		X		X							80	GS	1	1960
113-06	10/25/2006	SW	13	1N	8E	4928 E RAWHIDE STREET	12	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1980
114-06	10/27/2006	SE	13	1N	8E	5891 E SIESTA STREET	12	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1978
115-06	11/2/2006	SW	24	1N	7E	11140 E 4TH AVENUE	36	SERVICE REPLACEMENT			X	X	X			1	GS	2				1963
116-06	11/5/2006	NE	29	1N	8E	16TH AVENUE & IDAHO ROAD	8	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1973
117-06	11/7/2006	SW	29	1N	8E	IRONWOOD DRIVE & SOUTHERN AVENUE	16	OTHER			X		X			1	POLY	3/4				1979
118-06	11/8/2006	NE	24	1N	7E	11313 E BOISE STREET #40	28	SERVICE REPLACEMENT						X		2	POLY	1				1980
119-06	11/17/2006	SW	13	1N	7E	401 N 111TH STREET	8	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1964
120-06	11/17/2006	SW	13	1N	7E	11109 E CHOLLA STREET	18	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1964
121-06	11/20/2006	NE	17	1N	8E	378 W FOOTHILL STREET	12	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1983
122-06	11/27/2006	NE	30	1N	8E	960 S SAGUARO DRIVE	21	SERVICE REPLACEMENT		X	X	X	X			2	POLY	1				1963
123-06	12/1/2006	SE	25	1N	8E	6390 E 18TH AVENUE	18	SERVICE REPLACEMENT						X		2	POLY	1				1982
124-06	12/7/2006	NE	27	1N	8E	2956 E 12TH AVENUE	10	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1976
125-06	12/10/2006	SE	15	1N	8E	1235 N CORTEZ ROAD	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1983
126-06	12/14/2006	NW	21	1N	8E	378 N CACTUS ROAD	18	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1973
127-06	12/14/2006	NW	20	1N	8E	289 N THUNDERBIRD DRIVE	9	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1981
128-06	12/19/2006	SW	17	1N	8E	1111 N SILVER DRIVE	15	SERVICE REPLACEMENT						X		2	POLY	1				1970

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
001-07	1/4/2007	NE	23	1N	7E	10540 E APACHE TRAIL	32	MAIN REPLACEMENT				X							180	GS	1 1/4	1955
002-07	1/9/2007	SE	18	1N	8E	946 N OCOTILLO DRIVE	9	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1970
003-07	1/9/2007	SE	18	1N	8E	926 N GRAND DRIVE	9	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1970
004-07	1/15/2007	NE	18	1N	8E	1690 N IRONWOOD DRIVE	2	SERVICE REPAIR									POLY	3/4				1995
005-07	1/15/2007	NW	30	1N	8E	1451 S HALE DRIVE	24	MAIN REPAIR				X								CA	4	1970
006-07	1/17/2007	NW	13	1N	8E	2025 N DON PERALTA ROAD	21	MAIN REPLACEMENT				X							32	GS	1	1960
007-07	1/20/2007	NW	19	1N	8E	2600 W APACHE TRAIL	20	MAIN REPAIR	X											CA	6	1961
008-07	1/22/2007	NE	23	1N	7E	10536 E BOISE STREET	12	MAIN REPLACEMENT	X										2	GS	2	1968
009-07	1/26/2007	SW	18	1N	8E	3046 W GREASEWOOD STREET	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1971
010-07	1/26/2007	SW	13	1N	7E	424 N 111TH WAY	8	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1964
011-07	1/26/2007	NE	19	1N	8E	2300 W APACHE TRAIL	16	MAIN REPAIR	X											CA	4	1960
012-07	2/2/2007	SE	24	1N	7E	233 S ELMONT DRIVE	12	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1974
013-07	2/2/2007	SW	18	1N	8E	3088 W GREASEWOOD STREET	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1978
014-07	2/2/2007	SW	22	1N	8E	TOMAHAWK ROAD & VISTA	30	MAIN REPLACEMENT	X										16	CA	6	1960
015-07	2/6/2007	NE	19	1N	8E	2300 W APACHE TRAIL	28	MAIN REPLACEMENT		X		X							8	CA	4	1960
016-07	2/12/2007	NE	26	1N	7E	515 S 107TH STREET	24	MAIN REPLACEMENT				X							5	CA	4	1961
017-07	2/14/2007	NW	20	1N	8E	925 W SUPERSTITION BOULEVARD	8	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1970
018-07	2/20/2007	NE	23	1N	7E	105TH PLACE & BOISE STREET	60	MAIN REPLACEMENT	X										800	GS	2	1968
019-07	2/27/2007	NE	30	1N	8E	1981 W 10TH AVENUE	8	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1971
020-07	3/6/2007	NE	23	1N	7E	10443 E BOISE STREET	15	SERVICE REPLACEMENT		X	X	X	X			2	POLY	1				1969
021-07	3/13/2007	NW	9	1S	9E	5557 S ALAMEDA ROAD	8	SERVICE REPLACEMENT								1	POLY	3/4				1982
022-07	3/14/2007	SE	25	1N	8E	18TH AVENUE & PROSPECTOR ROAD	30	MAIN REPAIR	X											CA	6	1983
023-07	3/14/2007	NW	24	1N	7E	MOUNTAIN ROAD & APACHE TRAIL	16	MAIN REPAIR		X										CA	4	1975
024-07	3/21/2007	NE	25	1N	8E	5698 E 14TH AVENUE	12	SERVICE REPLACEMENT			X	X	X			1	POLY	1				1973
025-07	4/4/2007	SE	29	1N	8E	1875 S BUENA VISTA DRIVE	12	SERVICE REPLACEMENT						X		1	POLY	1				1969
026-07	4/10/2007	SE	24	1N	8E	5824 E EL CAMINO QUINTO	12	SERVICE REPLACEMENT								2	POLY	1				1983
027-07	4/10/2007	SE	27	1N	8E	1557 S STARR ROAD	6	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1975
028-07	4/10/2007	NE	27	1N	8E	1363 S STARR ROAD	12	SERVICE REPLACEMENT			X	X	X			1	POLY	1				1974
029-07	4/10/2007	NE	27	1N	8E	1316 S STARR ROAD	6	SERVICE REPAIR									POLY	3/4				1974
030-07	5/2/2007	NW	30	1N	8E	2845 W 15TH AVENUE	12	SERVICE REPLACEMENT		X	X	X	X			2	POLY	3/4				1977
031-07	5/4/2007	NW	20	1N	8E	524 N RENNICK DRIVE	18	SERVICE REPLACEMENT					X			1	POLY	3/4				1980
032-07	5/10/2007	NE	23	1N	7E	BONNELL STREET & VALLE VERDE	35	MAIN REPAIR		X		X								DIP	8	2000
033-07	5/11/2007	SW	17	1N	8E	1498 W GREASEWOOD STREET	15	SERVICE REPLACEMENT								2	POLY	1				1973
034-07	5/15/2007	SE	24	1N	7E	322 S MALCOLM DRIVE	16	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1963
035-07	5/24/2007	NW	20	1N	8E	366 N GOLD DRIVE	8	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1963
036-07	5/25/2007	NW	19	1N	8E	2523 W SUPERSTITION BOULEVARD	12	SERVICE REPLACEMENT								1	POLY	3/4				1959
037-07	5/29/2007	SE	9	1S	9E	6439 E HIDEAWAY LANE	36	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1981
038-07	5/30/2007	NW	24	1N	8E	5420 E PAINTED ROCK STREET	12	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1980
039-07	5/31/2007	NW	22	1N	8E	275 N CHAPARRAL ROAD	21	SERVICE REPLACEMENT								1	POLY	3/4				1972
040-07	6/3/2007	SW	1	1N	8E	5231 E KANIKSU STREET	18	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1978
041-07	6/4/2007	NE	22	1N	8E	86 N HILTON ROAD	4	SERVICE REPAIR					X				POLY	3/4				1985
042-07	6/12/2007	SW	19	1N	8E	2420 W 5TH AVENUE	32	SERVICE REPLACEMENT		X	X	X	X			1	POLY	2				1977

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043-07	6/13/2007	NE	12	1N	8E	5990 E SINGLETREE STREET	12	SERVICE REPLACEMENT			X	X	X			1	POLY	1				1983
044-07	6/14/2007	SE	13	1N	8E	6132 E SIESTA STREET	24	SERVICE REPLACEMENT								1	CU	3/4				2000
045-07	6/14/2007	NW	17	1N	8E	1810 N THUNDERBIRD DRIVE	8	SERVICE REPLACEMENT								1	CU	3/4				2006
046-07	6/15/2007	NE	8	1S	9E	8881 E SALIX CIRCLE	18	MAIN REPAIR	X											DIP	6	1993
047-07	6/19/2007	NE	27	1N	8E	2909 E 12TH AVENUE	18	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1974
048-07	6/20/2007	NE	22	1N	8E	86 N HILTON ROAD	8	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1985
049-07	6/21/2007	SE	15	1N	8E	851 N CORTEZ ROAD	8	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1977
050-07	6/25/2007	NE	23	1N	7E	10535 E BOULDER DRIVE	12	MAIN REPLACEMENT	X										7	PVC	2	1968
051-07	6/29/2007	NW	20	1N	8E	489 N GOLD DRIVE	18	SERVICE REPLACEMENT								1	POLY	3/4				1963
052-07	6/29/2007	SE	9	1S	9E	10761 E HUMMINGBIRD LANE	21	SERVICE REPLACEMENT		X	X	X	X			1	POLY	1				1980
053-07	7/3/2007	SW	8	1S	9E	6321 S NIBLICK COURT	16	MAIN REPAIR	X											DIP	6	1996
054-07	7/8/2007	NW	17	1N	8E	1630 N VALLEY DRIVE	12	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1984
055-07	7/9/2007	NW	22	1N	8E	185 N CONESTOGA ROAD	4	OTHER			X		X				POLY	3/4				1978
056-07	7/10/2007	SW	22	1N	8E	1860 E BROADWAY AVENUE	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1970
057-07	7/11/2007	NE	27	1N	8E	3130 E 15TH AVENUE	12	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1980
058-07	7/17/2007	NE	9	1S	9E	11014 E PALM WAY	24	SERVICE REPLACEMENT		X	X	X	X			1	POLY	1				1979
059-07	7/18/2007	SE	12	1N	8E	2975 N HOLMES ROAD	21	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1965
060-07	7/20/2007	NW	14	1N	7E	10055 FENIMORE ROAD	24	SERVICE REPLACEMENT		X	X	X	X			1	POLY	1				1984
061-07	7/20/2007	NE	13	1N	8E	5850 E CONCHO STREET	12	SERVICE REPLACEMENT								1	POLY	3/4				1960
062-07	7/25/2007	NE	27	1N	8E	1451 S ACACIA ROAD	8	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1974
063-07	7/30/2007	NW	9	1S	9E	6300 S EAGLE PASS COURT	16	MAIN REPAIR	X											CA	6	1979
064-07	8/2/2007	NW	15	1N	8E	1728 N WICKIUP ROAD	18	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1983
065-07	8/8/2007	NE	27	1N	8E	2636 E 10TH AVENUE	4	SERVICE REPAIR					X				POLY	3/4				1974
066-07	8/8/2007	NW	22	1N	8E	1815 E SCENIC STREET	15	SERVICE REPLACEMENT						X		1	POLY	3/4				1964
067-07	8/16/2007	SE	29	1N	8E	661 W 22ND AVENUE	12	SERVICE REPLACEMENT		X	X	X	X			2	POLY	1				1978
068-07	8/16/2007	NE	21	1N	8E	390 N TOMAHAWK ROAD	12	MAIN REPAIR	X											DIP	16	1994
069-07	8/20/2007	NE	24	1N	7E	11313 E BOISE STREET #36 & #37	24	SERVICE REPLACEMENT		X	X	X	X			2	POLY	1				1980
070-07	8/22/2007	NE	27	1N	8E	1237 S STARR ROAD	12	SERVICE REPLACEMENT		X	X	X	X			2	POLY	1				1979
071-07	8/22/2007	SW	17	1N	8E	1102 N GOLD DRIVE	8	SERVICE REPLACEMENT			X	X	X			2	POLY	3/4				1970
072-07	8/27/2007	NW	20	1N	8E	RENNICK DRIVE & SAN MARCOS DRIVE	2	SERVICE REPAIR									POLY	3/4				1970
073-07	8/27/2007	NE	27	1N	8E	1316 S STARR ROAD	12	SERVICE REPLACEMENT		X	X	X	X			3	POLY	1				1974
074-07	8/28/2007	NE	27	1N	8E	2636 E 10TH AVENUE	18	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1974
075-07	9/7/2007	SE	25	1N	8E	5775 E 20TH AVENUE	15	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1988
076-07	9/11/2007	NW	27	1N	8E	1491 S CONESTOGA ROAD	16	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1979
077-07	9/12/2007	NE	24	1N	7E	52 N 114TH STREET	12	SERVICE REPLACEMENT		X	X	X	X			3	POLY	1				1970
078-07	9/17/2007	SE	24	1N	7E	137 S MOUNTAIN ROAD	9	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1963
079-07	9/24/2007	SE	24	1N	7E	232 S MALCOLM DRIVE	9	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1974
080-07	9/28/2007	NE	9	1S	9E	10881 E CORDOVA AVENUE	20	SERVICE REPLACEMENT		X	X	X	X			1	POLY	1				1979
081-07	10/2/2007	NE	14	1N	7E	857 N 108TH STREET	28	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1974
082-07	10/3/2007	SW	19	1N	8E	711 S MERIDIAN ROAD	6	SERVICE REPAIR			X		X				POLY	3/4				1984
083-07	10/4/2007	NE	17	1N	8E	2337 N APACHE DRIVE	8	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1982
084-07	10/10/2007	NE	14	1N	7E	10402 E FENIMORE ROAD	16	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1982

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085-07	10/17/2007	SE	8	1S	9E	6725 S SALADO	28	MAIN REPAIR	X											CA	6	1986
086-07	10/17/2007	NE	12	1N	8E	PROSPECTOR ROAD & BELL STREET	24	MAIN REPLACEMENT		X		X							3	GS	2	1961
087-07	10/18/2007	SE	18	1N	8E	2226 W SHIPROCK STREET	12	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1972
088-07	10/29/2007	NE	24	1N	7E	11313 E BOISE STREET #46	4	SERVICE REPAIR			X	X	X				POLY	1				1982
089-07	10/30/2007	SW	4	1S	9E	GOLD CANYON DRIVE & DESERT DAWN DRIVE	25	MAIN REPLACEMENT				X							4	DIP	8	1995
090-07	11/6/2007	SW	31	1N	8E	2739 W JASPER AVENUE	18	SERVICE REPLACEMENT									CU	3/4				1998
091-07	11/9/2007	NW	14	1N	7E	932 N 103RD STREET	18	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1973
092-07	11/13/2007	NW	22	1N	8E	2135 E CODY STREET	6	SERVICE REPAIR					X			1	POLY	3/4				1973
093-07	11/13/2007	SW	19	1N	8E	746 S WARNER DRIVE	4	SERVICE REPAIR			X	X	X				POLY	3/4				1976
094-07	11/14/2007	SE	22	1N	8E	344 S STARR ROAD	20	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1974
095-07	11/15/2007	SE	12	1N	8E	5775 E LOST DUTCHMAN BOULEVARD	18	OTHER									POLY	3/4				1987
096-07	11/17/2007	NE	22	1N	8E	2570 E SCENIC STREET	18	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1974
097-07	11/26/2007	SE	12	1N	8E	5851 E SINGLETREE STREET	18	SERVICE REPAIR						X			POLY	3/4				1980
098-07	11/26/2007	NW	30	1N	8E	1464 S WARNER DRIVE	8	SERVICE REPAIR			X	X	X				POLY	3/4				1977
099-07	11/28/2007	SW	9	1S	9E	10452 E SLEEPY HOLLOW TRAIL	15	SERVICE REPLACEMENT		X	X	X	X			2	POLY	1				1981
100-07	12/6/2007	NW	21	1N	8E	247 E JUNCTION STREET	16	MAIN REPAIR		X										CA	4	1966
101-07	12/10/2007	NE	20	1N	8E	300 W APACHE TRAIL	32	MAIN REPAIR	X											CA	4	1960
102-07	12/10/2007	NE	23	1N	7E	10536 E BOISE STREET	20	MAIN REPLACEMENT		X									3	PVC	2	1966
103-07	12/11/2007	NE	30	1N	8E	1366 S PALO VERDE DRIVE	8	SERVICE REPAIR			X	X	X				POLY	3/4				1973
104-07	12/13/2007	NW	22	1N	8E	2135 E CODY STREET	18	SERVICE REPLACEMENT						X		1	POLY	1				1973
105-07	12/13/2007	NW	18	1N	8E	2626 W FOOTHILL STREET	12	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1982
106-07	12/14/2007	NE	19	1N	8E	2016 W GREGORY STREET	16	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1967
107-07	12/20/2007	NE	30	1N	8E	1196 S OCOTILLO DRIVE	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
108-07	12/26/2007	SW	18	1N	8E	979 N WARNER DRIVE	9	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1967
109-07	12/26/2007	SE	24	1N	7E	11234 E BROADWAY AVENUE	9	SERVICE REPAIR			X	X	X				POLY	3/4				1963
110-07	12/28/2007	NE	24	1N	7E	11313 E BOISE STREET #31	12	SERVICE REPLACEMENT		X	X	X	X			2	POLY	1				1973
111-07	12/28/2007	NW	20	1N	8E	1408 W APACHE TRAIL	21	MAIN REPLACEMENT				X							4	DIP	8	1987
001-08	1/4/2008	NW	23	1N	7E	10338 E ALBANY STREET	9	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1955
002-08	1/9/2008	NE	21	1N	8E	535 N CACTUS ROAD	12	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1969
003-08	1/18/2008	NW	20	1N	8E	526 N GOLD DRIVE	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1963
004-08	1/28/2008	NW	14	1N	7E	821 N 103RD STREET	20	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1973
005-08	2/20/2008	NW	22	1N	8E	523 N RAINDANCE ROAD	9	SERVICE REPLACEMENT			X	X	X			1	POLY	1				1979
006-08	2/28/2008	NE	21	1N	8E	410 N CACTUS ROAD	16	SERVICE REPLACEMENT						X		2	POLY	1				1973
007-08	3/5/2008	SW	24	1N	8E	31 S MOUNTAIN VIEW ROAD	12	SERVICE REPLACEMENT						X		1	POLY	1				1979
008-08	3/19/2008	SW	17	1N	8E	1367 W TEPEE STREET	12	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1976
009-08	3/26/2008	SW	23	1N	8E	3701 E BROADWAY AVENUE	24	MAIN REPAIR		X		X								CA	6	1972
010-08	3/27/2008	NE	20	1N	8E	800 W APACHE TRAIL	35	SERVICE REPLACEMENT		X	X	X	X			1	GS	2				1960
011-08	3/27/2008	NE	20	1N	8E	800 W APACHE TRAIL	35	MAIN REPLACEMENT		X		X							10	CA	4	1960
012-08	4/9/2008	NE	25	1N	8E	1277 S PROSPECTORS ROAD	12	SERVICE REPLACEMENT		X	X	X	X			1	POLY	1				1980
013-08	4/14/2008	NW	20	1N	8E	1398 W APACHE TRAIL	10	SERVICE REPLACEMENT								2	POLY	1				1987
014-08	4/15/2008	NE	24	1N	8E	CODY STREET & GERONIMO ROAD	14	SERVICE REPLACEMENT								1	POLY	3/4				1998
015-08	5/5/2008	NW	12	1N	8E	5375 E MCKELLIPS STREET	12	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1978

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
016-08	5/6/2008	NW	14	1N	7E	10310 E FENIMORE ROAD	6	SERVICE REPAIR					X				POLY	3/4				1973
017-08	5/8/2008	NW	25	1N	8E	5120 E 12TH AVENUE	8	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1983
018-08	5/14/2008	NW	14	1N	7E	10310 E FENIMORE ROAD	18	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1973
019-08	5/22/2008	NW	19	1N	8E	CODY STREET & DELAWARE DRIVE	20	MAIN REPAIR	X											CA	4	1959
020-08	5/23/2008	NE	21	1N	8E	1511 E SCENIC STREET	12	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1973
021-08	5/23/2008	NE	20	1N	8E	300 W APACHE TRAIL	35	MAIN REPAIR				X								CA	4	1960
022-08	6/12/2008	NW	20	1N	8E	414 N THUNDERBIRD DRIVE	8	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1985
023-08	6/12/2008	NW	22	1N	8E	315 N VISTA ROAD	16	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1996
024-08	6/19/2008	NE	6	1S	9E	7327 E PALO CHINO COURT	16	SERVICE REPLACEMENT		X	X	X	X			2	CU	1				2000
025-08	6/19/2008	NW	20	1N	8E	527 N RENNICK DRIVE	16	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1970
026-08	6/23/2008	NW	19	1N	8E	2540 W APACHE TRAIL	38	MAIN REPAIR	X											CA	6	1961
027-08	6/25/2008	NE	27	1N	8E	2706 E 10TH AVENUE	25	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1974
028-08	6/30/2008	SE	14	1N	8E	4501 E ROUNDUP STREET	28	SERVICE REPLACEMENT		X	X	X	X			4	POLY	1				1982
029-08	7/25/2008	NW	32	1N	8E	2525 S IRONWOOD DRIVE	21	SERVICE REPLACEMENT						X		1	GS	2				1983
030-08	8/4/2008	SE	9	1S	9E	6644 S ALHAMBRA WAY	8	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1981
031-08	8/6/2008	NE	20	1N	8E	586 W APACHE TRAIL	9	SERVICE REPAIR						X			CU	3/4				1978
032-08	8/6/2008	SE	20	1N	8E	431 W APACHE TRAIL	4	SERVICE REPAIR						X			POLY	1				1962
033-08	8/7/2008	NE	9	1S	9E	HUMMINGBIRD LANE #44	15	SERVICE REPLACEMENT			X	X	X			1	POLY	1				1980
034-08	8/8/2008	SE	22	1N	8E	BROADWAY AVENUE & GOLDFIELD ROAD	20	OTHER									POLY	3/4				1972
035-08	8/12/2008	NE	30	1N	8E	1941 W 10TH AVENUE	6	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1971
036-08	8/14/2008	SE	20	1N	8E	597 W 5TH AVENUE	2	SERVICE REPLACEMENT								2	POLY	1				1976
037-08	8/18/2008	NE	12	1N	8E	5720 E MINING CAMP STREET	24	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1972
038-08	8/19/2008	NW	22	1N	8E	254 N WICKIUP ROAD	16	SERVICE REPLACEMENT		X	X	X	X			2	POLY	1				1975
039-08	8/20/2008	NE	17	1N	8E	186 W FOOTHILL STREET	8	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1980
040-08	8/20/2008	NE	22	1N	8E	2653 E SCENIC STREET	16	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1974
041-08	8/27/2008	NE	27	1N	8E	2680 E 12TH AVENUE	8	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1985
042-08	8/29/2008	NW	23	1N	7E	10348 E ALBANY STREET	12	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1979
043-08	9/5/2008	NW	30	1N	8E	2829 W 14TH PLACE	8	SERVICE REPLACEMENT								1	POLY	3/4				1971
044-08	9/19/2008	SE	25	1N	7E	950 S MERIDIAN ROAD	32	SERVICE REPLACEMENT		X	X	X	X			1	STEEL	2				1985
045-08	9/23/2008	SE	9	1S	9E	10687 E HUMMINGBIRD LANE	24	SERVICE REPLACEMENT		X	X	X	X			1	POLY	1				1981
046-08	9/24/2008	NW	22	1N	8E	2235 E CODY STREET	16	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1973
047-08	9/26/2008	NW	27	1N	8E	2081 E 14TH AVENUE	28	MAIN REPAIR				X								CA	6	1986
048-08	9/29/2008	SE	15	1N	8E	931 N HILTON ROAD	4	SERVICE REPAIR						X			POLY	1				1968
049-08	9/29/2008	NW	14	1N	7E	10309 E FENIMORE ROAD	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
050-08	9/30/2008	NE	13	1N	8E	5850 E CONCHO STREET	4	OTHER						X			POLY	3/4				1960
051-08	10/4/2008	NE	21	1N	8E	TOMAHAWK ROAD & SCENIC STREET	24	OTHER									POLY	3/4				1994
052-08	10/7/2008	SE	15	1N	8E	931 N HILTON ROAD	12	SERVICE REPLACEMENT		X	X	X	X			2	POLY	1				1968
053-08	10/8/2008	NE	27	1N	8E	1470 S GOLDFIELD ROAD	9	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1974
054-08	10/8/2008	SE	18	1N	8E	2048 W GREASEWOOD STREET	9	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1961
055-08	10/15/2008	NW	30	1N	8E	MERIDIAN ROAD & PUEBLO AVENUE	24	MAIN REPLACEMENT				X							28	CA	6	1970
056-08	10/16/2008	SE	25	1N	8E	6078 E SOUTHERN AVENUE	9	SERVICE REPAIR						X			POLY	1				1981
057-08	10/16/2008	SE	17	1N	8E	1440 N IDAHO ROAD	32	SERVICE REPLACEMENT						X		2	STEEL	6				1986

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
058-08	10/21/2008	NW	24	1N	7E	326 N KEITH STREET	9	SERVICE REPLACEMENT								2	POLY	1				1972
059-08	10/25/2008	SW	13	1N	8E	GREASEWOOD STREET & SIXSHOOTER ROAD	6	SERVICE REPAIR									POLY	3/4				1970
060-08	10/29/2008	SE	25	1N	8E	1637 S GERONIMO ROAD	18	SERVICE REPLACEMENT						X		2	POLY	1				1973
061-08	11/6/2008	NE	21	1N	8E	615 N ROYAL PALM DRIVE	6	SERVICE REPAIR						X			POLY	3/4				1980
062-08	11/6/2008	SE	8	1S	9E	AVENIDA LA MANAMA & TRADE	28	MAIN REPAIR				X								CA	6	1983
063-08	11/13/2008	SW	20	1N	8E	637 S SILVER DRIVE	4	SERVICE REPAIR						X			POLY	1				1970
064-08	11/18/2008	SW	13	1N	8E	5160 E SHIPROCK STREET	18	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1966
065-08	11/25/2008	SW	17	1N	8E	1535 N GOLD DRIVE	12	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1975
066-08	11/28/2008	NW	14	1N	7E	911 N 103RD STREET	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1973
067-08	12/2/2008	NE	12	1N	9E	5680 E BELL STREET	8	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1961
068-08	12/8/2008	NE	19	1N	8E	150 N OCOTILLO DRIVE	16	MAIN REPAIR		X		X								CA	4	1960
069-08	12/10/2008	SW	9	1S	9E	9936 E LA CALLECITA AVENUE	18	SERVICE REPLACEMENT								2	POLY	3/4				1980
070-08	12/30/2008	SE	8	1S	9E	9290 E MOGOLLON TRAIL	6	SERVICE REPAIR			X	X	X				POLY	3/4				1986
001-09	1/2/2009	NE	21	1N	8E	1365 E SUPERSTITION BOULEVARD	12	SERVICE REPAIR						X			GS	2				1972
002-09	1/2/2009	NW	30	1N	9E	6630 E GRAND VIEW LANE	21	SERVICE REPLACEMENT			X	X	X			1	CU	3/4				1998
003-09	1/8/2009	SW	21	1N	8E	75 S COLT ROAD	12	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1975
004-09	1/13/2009	SW	21	1N	8E	200 OLD WEST HIGHWAY	28	OTHER									POLY	3/4				1961
005-09	1/13/2009	NW	25	1N	8E	4970 E 12TH AVENUE	8	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1972
006-09	1/14/2009	SE	18	1N	8E	929 N DELAWARE DRIVE	24	SERVICE REPLACEMENT		X	X	X	X			1	GS	2				1959
007-09	1/15/2009	NE	23	1N	7E	10606 E MERCURY DRIVE	12	SERVICE REPLACEMENT						X		2	CU	1				1996
008-09	2/17/2009	NW	25	1N	8E	5070 E 10TH AVENUE	18	SERVICE REPAIR						X			POLY	3/4				1972
009-09	2/18/2009	NW	27	1N	8E	1491 S CONESTOGA ROAD	9	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1979
010-09	2/24/2009	NW	30	1N	8E	2945 W 9TH PLACE	18	SERVICE REPLACEMENT		X	X	X	X			4	POLY	1				1961
011-09	2/27/2009	SW	14	1N	8E	643 N 101ST PLACE	2	SERVICE REPAIR						X			POLY	3/4				1976
012-09	3/2/2009	NW	30	1N	8E	1331 S CEDAR DRIVE	6	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1972
013-09	3/2/2009	NW	25	1N	8E	5298 E 10TH AVENUE	4	SERVICE REPAIR						X			POLY	1				1959
014-09	3/9/2009	NW	30	1N	8E	1331 S CEDAR DRIVE	4	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1972
015-09	3/12/2009	NE	24	1N	7E	11313 E BOISE STREET #35	15	SERVICE REPAIR						X			POLY	1				1980
016-09	3/19/2009	SE	15	1N	8E	851 N CORTEZ ROAD	9	SERVICE REPAIR									POLY	3/4				1974
017-09	3/24/2009	SE	27	1N	8E	2122 S GOLDFIELD ROAD	6	OTHER						X			POLY	3/4				1979
018-09	4/7/2009	SE	17	1N	8E	926 N MONTEREY DRIVE	20	MAIN REPAIR		X		X								CA	4	1974
019-09	4/8/2009	NW	9	1S	9E	5564 S KINGS RANCH ROAD	32	SERVICE REPLACEMENT		X	X	X	X			3	POLY	1				1982
020-09	4/10/2009	NW	19	1N	8E	MERIDIAN ROAD & APACHE TRAIL	35	MAIN REPLACEMENT				X							7	CA	6	1961
021-09	4/13/2009	SE	24	1N	7E	301 S MOUNTAIN ROAD	12	SERVICE REPLACEMENT								1	POLY	3/4				1987
022-09	4/23/2009	NE	17	1N	8E	318 W TEPEE STREET	8	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1974
023-09	4/28/2009	NE	14	1N	7E	10609 E FENIMORE ROAD	4	SERVICE REPLACEMENT			X		X			1	POLY	3/4				1982
024-09	5/8/2009	SW	21	1N	8E	COLT ROAD & OLD WEST HIGHWAY	24	MAIN REPAIR		X		X								CA	6	1961
025-09	5/11/2009	SE	23	1N	8E	655 S MULESHOE ROAD	12	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1975
026-09	5/18/2009	SW	6	1S	9E	6993 E SAN CRISTOBAL WAY	32	SERVICE REPAIR			X	X	X				CU	1				1998
027-09	5/20/2009	NW	30	1N	8E	WARNER DRIVE & 15TH AVENUE	35	MAIN REPLACEMENT		X		X							40	BLK POLY	2	1977
028-09	5/25/2009	NW	9	1S	9E	6098 N LA BARGE ROAD	8	SERVICE REPAIR					X				POLY	3/4				1985
029-09	5/27/2009	NW	22	1N	8E	2165 E CODY STREET	8	SERVICE REPAIR						X			POLY	3/4				1973

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
030-09	6/1/2009	SE	23	1N	8E	62 S MOUNTAIN VIEW ROAD	12	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1978
031-09	6/8/2009	SE	27	1N	8E	2044 S GOLDFIELD ROAD	12	SERVICE REPLACEMENT			X	X	X			1	POLY	1				1981
032-09	6/19/2009	NE	22	1N	8E	2409 E SCENIC STREET	12	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1974
033-09	6/22/2009	SW	22	1N	8E	1685 E JUNCTION STREET	6	SERVICE REPAIR						X			POLY	3/4				1970
034-09	7/10/2009	NW	6	1N	8E	5409 N MERIDIAN ROAD	12	OTHER			X		X				POLY	1				1978
035-09	7/16/2009	NE	31	1N	8E	SOUTHERN AVENUE & DELAWARE DRIVE	8	MAIN REPAIR	X											CA	12	1980
036-09	7/17/2009	NE	17	1N	8E	272 W TEPEE STREET	12	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1974
037-09	7/22/2009	NE	17	1N	8E	1958 N MONTEREY DRIVE	2	SERVICE REPAIR						X			POLY	3/4				1980
038-09	7/22/2009	NW	9	1S	9E	5950 S ALAMEDA ROAD	21	SERVICE REPLACEMENT						X		1	STEEL	3				1984
039-09	7/24/2009	NW	25	1N	8E	5093 E 10TH AVENUE	4	SERVICE REPAIR						X			POLY	1				1959
040-09	7/27/2009	SE	12	1N	8E	2620 N PROSPECTORS ROAD	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1976
041-09	8/3/2009	SE	15	1N	8E	951 N HILTON ROAD	4	SERVICE REPAIR						X			POLY	3/4				1974
042-09	8/11/2009	NE	21	1N	8E	635 N ROYAL PALM ROAD	15	SERVICE REPAIR						X			POLY	3/4				1991
043-09	8/14/2009	SW	14	1N	7E	420 N 100TH PLACE	6	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1978
044-09	8/14/2009	NE	31	1N	8E	SOUTHERN AVENUE & DELAWARE DRIVE	12	MAIN REPAIR	X											CA	12	1980
045-09	8/17/2009	NE	12	1N	8E	6161 E MINING CAMP STREET	6	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1974
046-09	8/17/2009	NE	21	1N	8E	971 E RANCH ROAD	8	SERVICE REPLACEMENT		X	X	X	X			5	POLY	3/4				1991
047-09	8/17/2009	NE	21	1N	8E	971 E RANCH ROAD	8	OTHER		X	X	X	X				POLY	1				1991
048-09	8/21/2009	SW	22	1N	8E	2215 E 4TH AVENUE	8	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1974
049-09	8/24/2009	NW	22	1N	8E	385 N TOMAHAWK ROAD	9	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1964
050-09	8/27/2009	SE	14	1N	8E	831 N ARROYO ROAD	9	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1979
051-09	8/31/2009	SE	18	1N	8E	1261 N MAIN DRIVE	4	SERVICE REPAIR						X			POLY	3/4				1983
052-09	9/8/2009	SE	18	1N	8E	1134 N MAIN DRIVE	4	SERVICE REPAIR						X			POLY	3/4				1974
053-09	9/9/2009	SE	9	1S	9E	6412 S ALHAMBRA WAY	8	SERVICE REPLACEMENT			X	X	X			1	POLY	1				1981
054-09	9/14/2009	SE	12	1N	8E	6080 E THUNDERBOLT COURT	8	SERVICE REPAIR						X			POLY	3/4				1980
055-09	9/16/2009	NW	19	1N	8E	2760 W OHIO STREET	12	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1970
056-09	9/21/2009	NW	22	1N	8E	2220 E CODY STREET	4	SERVICE REPAIR						X			POLY	3/4				1973
057-09	9/23/2009	NW	27	1N	8E	860 S VISTA ROAD	9	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1975
058-09	9/25/2009	NE	14	1N	7E	10440 E ADOBE ROAD	9	SERVICE REPAIR						X			POLY	3/4				1983
059-09	9/28/2009	SE	22	1N	8E	126 S GOLDFIELD ROAD	2	SERVICE REPAIR						X	X		POLY	1				1968
060-09	10/7/2009	SE	24	1N	7E	119 S EMERALD DRIVE	12	MAIN REPLACEMENT				X							4	GS	2	1955
061-09	10/13/2009	NW	25	1N	8E	5093 E 10TH AVENUE	4	SERVICE REPAIR						X			POLY	1				1959
062-09	10/13/2009	SW	18	1N	8E	1031 N WARNER DRIVE	6	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1967
063-09	10/15/2009	SE	13	1N	8E	6280 E ROUNDUP STREET	4	SERVICE REPAIR						X			POLY	3/4				1978
064-09	10/19/2009	SE	9	1S	9E	6574 S ALHAMBRA WAY	12	SERVICE REPLACEMENT			X	X	X			1	POLY	1				1981
065-09	10/19/2009	NW	25	1N	8E	1650 S SIXSHOOTER ROAD	24	MAIN REPAIR				X								CA	6	1986
066-09	10/28/2009	SE	22	1N	8E	577 S STARR ROAD	9	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1974
067-09	10/29/2009	NE	24	1N	7E	11337 E AVALON STREET	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1970
068-09	10/29/2009	NW	11	1N	8E	HIGHWAY 88 & SAFARI PLACE	6	MAIN REPAIR	X											DIP	6	2003
069-09	10/30/2009	NE	17	1N	8E	1958 N MONTEREY DRIVE	4	SERVICE REPAIR						X			POLY	1				1980
070-09	11/5/2009	NE	17	1N	8E	1958 N MONTEREY DRIVE	12	SERVICE REPLACEMENT		X	X	X	X			2	POLY	1				1980
071-09	11/13/2009	SW	21	1N	8E	COLT ROAD & OLD WEST HIGHWAY 60	15	MAIN REPAIR		X										CA	6	1961

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
072-09	11/16/2009	NE	23	1N	7E	10402 E ALBANY STREET	9	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1979
073-09	11/20/2009	NW	24	1N	8E	4924 E ROOSEVELT STREET	21	MAIN REPAIR	X											CA	6	1979
074-09	11/23/2009	SW	13	1N	8E	5465 E. GREASEWOOD STREET	6	SERVICE REPAIR									POLY	3/4				1970
075-09	11/28/2009	NE	22	1N	8E	3161 E SCENIC STREET	6	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1976
076-09	12/2/2009	NW	17	1N	8E	2133 N VALLEY DRIVE	9	SERVICE REPLACEMENT								1	POLY	3/4				1981
077-09	12/4/2009	NW	9	1S	9E	9852 E LA PALMA AVENUE #2	8	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1985
078-09	12/7/2009	NE	30	1N	8E	1395 S GRAND DRIVE	9	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1973
079-09	12/9/2009	SE	14	1N	8E	1131 N BOYD ROAD	20	SERVICE REPLACEMENT									POLY	3/4				1981
080-09	12/15/2009	SW	22	1N	8E	1685 E JUNCTION STREET	9	SERVICE REPAIR						X			POLY	3/4				1970
081-09	12/19/2009	NW	23	1N	7E	10348 E BOISE STREET	6	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1986
082-09	12/21/2009	NW	30	1N	8E	1265 S MERIDIAN ROAD	12	SERVICE REPLACEMENT			X		X			1	POLY	3/4				1974
083-09	12/30/2009	NE	30	1N	8E	2229 W BROADWAY AVENUE	16	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1983
001-10	1/6/2010	NE	5	1S	9E	4001 S CALLE MEDIO A CELESTE	6	SERVICE REPAIR						X			CU	1				1998
002-10	2/1/2010	SE	29	1N	8E	589 W 22ND AVENUE	15	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1978
003-10	2/2/2010	SE	24	1N	7E	11503 E 6TH AVENUE	6	SERVICE REPAIR						X			CU	3/4				1989
004-10	2/3/2010	NW	19	1N	8E	636 N PINAL DRIVE	9	SERVICE REPLACEMENT			X	X				2	POLY	1				1972
005-10	2/11/2010	NE	24	1N	7E	11343 E AVALON STREET	9	SERVICE REPLACEMENT			X	X	X			3	POLY	3/4 + 1				1970
006-10	3/2/2010	NE	25	1N	8E	6138 E 10TH AVENUE	28	MAIN REPAIR	X											CA	4	1970
007-10	3/3/2010	SW	25	1N	8E	4880 E 20TH AVENUE	25	MAIN REPAIR	X											DIP	6	1998
008-10	3/15/2010	SE	20	1N	8E	725 W APACHE TRAIL	15	SERVICE REPAIR						X			GS	2				1979
009-10	3/22/2010	NE	23	1N	8E	4532 E SUPERSTITION BOULEVARD	4	SERVICE REPAIR						X			POLY	1				1970
010-10	3/22/2010	NE	25	1N	8E	5872 E 10TH AVENUE	12	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1969
011-10	4/6/2010	NW	8	1S	9E	6100 S KINGS RANCH ROAD	16	MAIN REPAIR	X											DIP	8	1994
012-10	4/12/2010	NE	29	1N	8E	197 W 15TH AVENUE	2	SERVICE REPAIR						X			POLY	1				1973
013-10	4/12/2010	SW	20	1N	8E	690 S COPPER DRIVE	2	SERVICE REPAIR						X			POLY	1				1970
014-10	4/12/2010	NW	30	1N	8E	1100 S WARNER DRIVE	12	SERVICE REPAIR		X			X	X			GS	2				1976
015-10	4/14/2010	SE	12	1N	8E	5851 E SINGLETREE STREET	12	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1980
016-10	4/27/2010	NE	24	1N	7E	11313 E BOISE STREET #28 & 29	18	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1980
017-10	5/3/2010	NE	24	1N	7E	11313 E BOISE STREET #49	21	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1970
018-10	5/3/2010	NE	19	1N	8E	441 N DELAWARE DRIVE	12	SERVICE REPLACEMENT			X	X	X			1	CU	3/4				1962
019-10	5/5/2010	NE	19	1N	8E	DELAWARE DRIVE & CHOLLA STREET	12	SERVICE REPLACEMENT			X	X	X			1	CU	3/4				1959
020-10	5/10/2010	NW	22	1N	8E	85 N CONESTOGA ROAD	8	OTHER						X			POLY	3/4				1988
021-10	5/17/2010	NW	36	1N	8E	4843 E 28TH AVENUE	12	SERVICE REPLACEMENT			X	X	X			1	CU	1				1985
022-10	5/17/2010	SW	1	1N	8E	5501 E KANIKSU STREET	8	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1978
023-10	5/18/2010	NW	25	1N	8E	5136 E 10TH AVENUE	12	SERVICE REPLACEMENT			X	X	X			1	POLY	1				1972
024-10	6/1/2010	NW	30	1N	8E	1100 S WARNER DRIVE	12	SERVICE REPAIR						X			GS	2				1976
025-10	6/8/2010	NW	13	1N	8E	5615 E HIDALGO STREET	4	MAIN REPAIR	X											GS	2	1960
026-10	6/9/2010	NW	19	1N	8E	2841 W OHIO STREET	24	SERVICE REPLACEMENT								1	POLY	3/4				1970
027-10	6/10/2010	NW	23	1N	7E	10366 E BALTIMORE CIRCLE	6	SERVICE REPAIR						X			CU	1				2000
028-10	6/14/2010	SW	19	1N	8E	450 S SMYTHE DRIVE	4	SERVICE REPAIR						X			CU	3/4				1995
029-10	6/14/2010	NE	21	1N	8E	555 N ROYAL PALM DRIVE	4	SERVICE REPAIR						X			POLY	3/4				1980
030-10	6/14/2010	NE	18	1N	8E	2283 N GRAND DRIVE	3	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1978

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
031-10	6/14/2010	NE	13	1N	8E	WINDSONG STREET & PROSPECTOR ROAD	4	MAIN REPAIR	X											GS	2	1960
032-10	6/15/2010	SW	19	1N	8E	450 S SMYTHE DRIVE	18	SERVICE REPLACEMENT			X	X	X			1	CU	3/4				1995
033-10	6/16/2010	NE	25	1N	7E	11450 E CRESCENT AVENUE	12	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1971
034-10	6/21/2010	SE	14	1N	7E	711 N 107TH STREET	12	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1982
035-10	6/22/2010	SE	18	1N	8E	1134 N MAIN DRIVE	12	SERVICE REPLACEMENT		X	X	X	X			2	POLY	1				1974
036-10	6/22/2010	NE	24	1N	7E	11343 E AVALON STREET	12	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1970
037-10	6/24/2010	NE	25	1N	7E	11365 E ELTON AVENUE	16	SERVICE REPLACEMENT		X	X	X	X			2	POLY	1				1972
038-10	7/14/2010	SE	24	1N	8E	625 S CAMINO SAGUARO	12	SERVICE REPAIR						X			POLY	1				1961
039-10	7/15/2010	NE	17	1N	8E	2050 N IDAHO ROAD	9	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1980
040-10	7/16/2010	NW	24	1N	7E	10866 E MERCURY DRIVE	12	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1972
041-10	7/30/2010	SW	14	1N	7E	643 N 101ST PLACE	32	SERVICE REPLACEMENT		X	X	X	X			1	POLY	1				1978
042-10	7/30/2010	NE	13	1N	8E	1717 N PROSPECTOR ROAD	12	MAIN REPLACEMENT		X		X							17	GS	2	1966
043-10	8/2/2010	NE	30	1N	8E	921 S OCOTILLO DRIVE	8	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1973
044-10	8/4/2010	NE	22	1N	8E	279 N CORTEZ ROAD	6	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1979
045-10	8/5/2010	SW	13	1N	8E	5465 E GREASEWOOD STREET	21	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1976
046-10	8/5/2010	SE	24	1N	7E	11439 E 5TH AVENUE	12	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1963
047-10	8/6/2010	SE	24	1N	7E	4TH AVENUE & EMERALD DRIVE	9	MAIN REPLACEMENT				X							2	GS	2	1955
048-10	8/10/2010	NE	22	1N	8E	170 N HILTON ROAD	9	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1972
049-10	8/10/2010	SE	24	1N	8E	5926 E ARROYO LINDO	2	SERVICE REPAIR						X			POLY	1				1981
050-10	8/12/2010	SW	14	1N	7E	549 N CRISMON ROAD	16	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1973
051-10	8/20/2010	SW	14	1N	7E	722 W 102ND PLACE	15	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1973
052-10	8/23/2010	NE	21	1N	8E	1475 E SCENIC STREET	9	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1964
053-10	8/24/2010	NW	30	1N	8E	2812 W 9TH PLACE	6	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1976
054-10	8/24/2010	SE	15	1N	8E	1026 N GOLDFIELD ROAD	18	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1975
055-10	8/24/2010	SE	15	1N	8E	1020 N HILTON ROAD	6	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1975
056-10	8/24/2010	NE	17	1N	8E	122 W FOOTHILL STREET	12	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1981
057-10	8/25/2010	SE	27	1N	8E	1637 S STARR ROAD	9	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1975
058-10	8/26/2010	SE	15	1N	8E	955 N CORTEZ ROAD	8	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1977
059-10	8/26/2010	NW	30	1N	8E	1559 S DESERT VIEW PLACE	6	SERVICE REPLACEMENT		X	X	X	X			2	POLY	1				1970
060-10	9/10/2010	NE	13	1N	8E	6061 E FOOTHILL STREET	6	SERVICE REPAIR									CU	3/4				1988
061-10	9/10/2010	SE	20	1N	8E	431 W APACHE TRAIL	16	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1962
062-10	9/14/2010	NW	21	1N	8E	269 S WINCHESTER ROAD	32	SERVICE REPLACEMENT		X	X	X	X			1	GS	2				1982
063-10	9/15/2010	SE	24	1N	7E	4TH AVENUE & 5TH AVENUE ALLEY W OF MERIDIAN R	28	MAIN REPAIR		X		X								CA	6	1963
064-10	9/16/2010	SE	29	1N	8E	1944 S MONTEREY DRIVE #102	12	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1978
065-10	9/20/2010	NE	21	1N	8E	1365 E SUPERSTITION BOULEVARD	24	SERVICE REPLACEMENT		X	X	X	X			1	POLY	2				1970
066-10	9/20/2010	NW	30	1N	8E	1331 S CEDAR DRIVE	2	SERVICE REPAIR					X				POLY	1				1974
067-10	9/20/2010	NE	23	1N	8E	SUPERSTITION BOULEVARD & MULESHOE ROAD	4	SERVICE REPAIR						X			POLY	1				1970
068-10	9/21/2010	SE	21	1N	8E	1130 E BROADWAY AVENUE	28	MAIN REPLACEMENT		X		X							9	CA	6	1960
069-10	9/27/2010	NW	30	1N	8E	1331 S CEDAR DRIVE	18	SERVICE REPLACEMENT		X	X	X	X			2	POLY	1				1974
070-10	9/29/2010	NE	21	1N	8E	881 E SCENIC STREET	9	OTHER			X	X	X				POLY	3/4				1974
071-10	10/2/2010	SW	14	1N	7E	516 N 101ST PLACE	8	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1978
072-10	10/4/2010	NE	18	1N	8E	1916 N IRONWOOD DRIVE	8	SERVICE REPLACEMENT		X	X	X	X			1	CU	3/4				1995

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073-10	10/5/2010	SE	22	1N	8E	125 S HILTON ROAD	9	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1968
074-10	10/5/2010	SE	18	1N	8E	1332 N MAIN DRIVE	12	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1974
075-10	10/18/2010	SW	17	1N	8E	1524 W GREASEWOOD STREET	2	SERVICE REPAIR					X				POLY	3/4				1978
076-10	10/28/2010	NE	17	1N	8E	1641 N PLAZA DRIVE	4	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1974
077-10	10/28/2010	SW	17	1N	8E	1524 W GREASEWOOD STREET	6	SERVICE REPLACEMENT		X	X	X	X			1	POLY	3/4				1978
078-10	10/30/2010	SE	23	1N	8E	4666 E BROADWAY AVENUE	15	MAIN REPAIR	X											CA	6	1972
079-10	11/2/2010	NE	20	1N	8E	HIGHWAY 88 & IDAHO ROAD	24	MAIN REPAIR	X											CA	6	1964
080-10	11/4/2010	SW	22	1N	8E	1685 E JUNCTION STREET	12	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1970
081-10	11/5/2010	NE	21	1N	8E	555 N ROYAL PALM DRIVE	4	SERVICE REPAIR						X			POLY	3/4				1980
082-10	11/16/2010	SW	13	1N	8E	5180 E RAWHIDE STREET	6	MAIN REPAIR	X											GS	2	1966
083-10	11/18/2010	SE	17	1N	8E	1475 N PLAZA DRIVE	12	SERVICE REPLACEMENT			X	X	X			1	POLY	3/4				1974
084-10	12/27/2010	NE	13	1N	8E	1625 N GERONIMO ROAD	15	MAIN REPLACEMENT				X							4	GS	2	1960
085-10	8/8/2066	SW	17	1N	8E	1521 W ROUNDUP STREET	9	SERVICE REPLACEMENT			X	X	X			2	POLY	1				1972
086-10	1/31/200	SE	20	1N	8E	380 S PHELPS DRIVE	28	MAIN REPAIR	X											CA	6	1976
087-10	3/27/200	NE	23	1N	7E	MERRILL RANCH #45	12	SERVICE REPAIR									CU	1				2000

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Miami																						
01-04	1/14/2004	SW	30	1N	15E	522 W GIBSON STREET	10	SERVICE REPAIR					X				POLY	3/4				1984
02-04	1/26/2004	SW	30	1N	15E	522 W GIBSON STREET	4	SERVICE REPAIR					X				POLY	3/4				1984
03-04	2/26/2004	SW	21	1N	15E	4469 COPPER STREET	4	SERVICE REPAIR					X				POLY	3/4				1984
04-04	3/4/2004	SE	30	1N	15E	3005 LATHAM BOULEVARD	4	SERVICE REPAIR					X				POLY	3/4				1982
05-04	3/19/2004	SE	30	1N	15E	199 S LOOMIS AVENUE	10	MAIN REPAIR					X				PVC			PVC	2	1980
06-04	3/25/2004	SE	30	1N	15E	300 S CHERRY FLATS ROAD #35	6	MAIN REPAIR					X				POLY			POLY	1	1980
07-04	3/29/2004	SW	27	1N	15E	5460 LANCASTER STREET	6	SERVICE REPAIR					X				POLY	3/4				1984
08-04	4/7/2004	SW	21	1N	15E	4469 COPPER STREET	4	SERVICE REPAIR					X				PVC	3/4				1980
09-04	4/7/2004	NW	29	1N	15E	5993 S CALLE DE LOMA	8	MAIN REPAIR					X				GS			GS	2	1946
10-04	4/14/2004	NW	28	1N	15E	4341 GLOBE AVENUE	6	SERVICE REPAIR					X				PVC	3/4				1980
11-04	4/8/2004	NW	29	1N	15E	6031 MARION CANYON STREET	6	MAIN REPAIR					X				PVC			PVC	2	1972
12-04	4/19/2004	SE	22	1N	15E	5717 S COBB AVENUE	6	SERVICE REPAIR					X				PVC	3/4				1979
13-04	5/10/2004	SW	22	1N	15E	5608 S CENTRAL DRIVE	6	SERVICE REPAIR					X				PVC	3/4				1979
14-04	5/19/2004	SE	22	1N	15E	5724 E BOYLES AVENUE	6	SERVICE REPAIR					X				PVC	3/4				1980
15-04	5/26/2004	SE	22	1N	15E	5621 S CENTRAL DRIVE	4	SERVICE REPAIR					X				PVC	3/4				1979
16-04	5/25/2004	NW	30	1N	15E	9 MIAMI AVENUE	6	SERVICE REPAIR					X				PVC	3/4				1980
17-04	5/20/2004	NW	30	1N	15E	407 MCKENZIE STREET	6	SERVICE REPAIR					X				PVC	3/4				1978
18-04	6/4/2004	NE	29	1N	15E	3936 GREER STREET	6	SERVICE REPAIR					X				PVC	3/4				1979
19-04	6/3/2004	SE	20	1N	15E	4481 E COPPER STREET	4	SERVICE REPAIR					X				PVC	3/4				1977
20-04	6/18/2004	SE	22	1N	15E	5680 S CENTRAL DRIVE	4	SERVICE REPAIR					X				PVC	3/4				1976
21-04	6/29/2004	SE	22	1N	15E	5543 S GLENDALE AVENUE	6	SERVICE REPAIR					X				PVC	3/4				1976
22-04	7/6/2004	SW	30	1N	15E	915 SULLIVAN STREET (BACK OF CHURCH)	6	SERVICE REPAIR					X				PVC	1				1976
23-04	7/28/2004	SW	30	1N	15E	182 S GLASS CANYON ROAD	6	MAIN REPAIR					X				GS			GS	2	1956
24-04	7/20/2004	SE	30	1N	15E	3005 LATHAM BOULEVARD	12	SERVICE REPAIR					X				PVC	1				1976
25-04	7/28/2004	SE	30	1N	15E	3046 GRANDVIEW AVENUE	9	MAIN REPAIR					X				PVC			PVC	1	1976
26-04	7/26/2004	SW	21	1N	15E	4409 COPPER STREET	6	SERVICE REPAIR					X				PVC	3/4				1976
27-04	7/14/2004	SW	20	1N	15E	5836 S NEW STREET	12	MAIN REPAIR					X				OTHER			AC	6	1953
28-04	7/23/2004	NE	22	1N	15E	4 JOHNSON LANE	6	SERVICE REPAIR					X				PVC	3/4				1976
29-04	7/1/2004	SW	22	1N	15E	5611 E BLOCK AVENUE #28	6	SERVICE REPAIR					X				PVC	3/4				1976
30-04	7/26/2004	SW	27	1N	15E	5497 PINAL CANYON DRIVE	12	MAIN REPAIR					X				OTHER			AC	4	1942
31-04	7/20/2004	SE	22	1N	15E	5699 E CROSS DRIVE	9	MAIN REPAIR					X				PVC			PVC	2	1976
32-04	8/6/2004	NW	30	1N	15E	407 MCKENZIE STREET	8	SERVICE REPAIR					X				POLY	3/4				1984
33-04	8/2/2004	NE	30	1N	15E	4080 HIGHLAND AVENUE	12	SERVICE REPLACEMENT					X			1	POLY	3/4				1984
34-04	8/6/2004	SW	30	1N	15E	258 N LIVE OAK CANYON ROAD	12	SERVICE REPLACEMENT					X			1	POLY	3/4				1984
35-04	8/2/2004	NW	29	1N	15E	3451 MILL STREET	8	SERVICE REPAIR					X				POLY	3/4				1986
36-04	8/16/2004	NE	29	1N	15E	3900 GREER STREET	12	SERVICE REPLACEMENT					X			1	POLY	3/4				1984
37-04	9/4/2004	SE	15	1N	15E	626 W OLD MOUNTAIN ROAD	8	SERVICE REPAIR					X				POLY	3/4				1984
38-04	9/24/2004	SW	30	1N	15E	1103 ARTHUR STREET	8	MAIN REPAIR					X				POLY			POLY	1	1984
39-04	9/27/2004	SW	22	1N	15E	5611 E BLOCK AVENUE #32	6	SERVICE REPAIR					X				POLY	3/4				1984
40-04	9/1/2004	SW	30	1N	15E	525 W SULLIVAN STREET	12	SERVICE REPLACEMENT					X			1	POLY	3/4				1982
41-04	9/15/2004	SW	22	1N	15E	5802 S RUSSELL ROAD	8	SERVICE REPLACEMENT					X			1	POLY	3/4				1986

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
42-04	11/29/2004	SW	30	1N	15E	REPPY AVENUE & FREDERICK STREET	6	SERVICE REPAIR					X				POLY	3/4				1986
43-04	11/10/2004	SW	30	1N	15E	1009 W ARTHUR STREET	8	MAIN REPAIR					X				POLY			POLY	1	1984
44-04	11/17/2004	SW	30	1N	15E	1031 ADONIS AVENUE	12	SERVICE REPAIR					X				POLY	3/4				1984
45-04	11/5/2004	SW	30	1N	15E	1023 ADONIS AVENUE	6	SERVICE REPAIR					X				POLY	3/4				1986
46-04	11/1/2004	NE	30	1N	15E	3006 LAFAYETTE AVENUE	8	SERVICE REPAIR					X				POLY	3/4				1984
47-04	11/17/2004	NW	29	1N	15E	5938 S CALLE DE LOMA	6	SERVICE REPAIR					X				POLY	3/4				1986
48-04	11/3/2004	NW	28	1N	15E	5973 PALMER LANE	12	SERVICE REPLACEMENT					X			1	POLY	3/4				1988
49-04	11/3/2004	SE	22	1N	15E	5564 S GLENDALE AVENUE	12	SERVICE REPLACEMENT					X			1	POLY	3/4				1984
50-04	12/6/2004	SW	22	1N	15E	5549 ROBERTS DRIVE	6	SERVICE REPAIR					X				POLY	3/4				1984
51-04	12/2/2004	SE	22	1N	15E	5699 CROSS DRIVE	6	MAIN REPAIR					X				PVC			PVC	2	1980
52-04	12/6/2004	SE	15	1N	15E	38 CHAPARRAL LOOP	6	SERVICE REPAIR					X				PVC	3/4				1972
01-05	1/25/2005	SW	4	1N	15E	1954 N BIXBY ROAD	4	SERVICE REPAIR		X							POLY	1				1973
02-05	1/31/2005	NW	29	1N	15E	4062 MILL STREET	6	SERVICE REPAIR		X							POLY	3/4				1975
03-05	1/3/2005	NE	21	1N	15E	2250 HIGHWAY 60 #B	3	SERVICE REPAIR		X							PVC	2				1970
04-05	1/11/2005	NE	30	1N	15E	4083 HIGHLAND AVENUE	10	SERVICE REPLACEMENT					X			1	POLY	3/4				1975
05-05	1/10/2005	SW	30	1N	15E	1067 ADONIS AVENUE	16	MAIN REPAIR		X										CI	3	1932
06-05	1/31/2005	NE	30	1N	15E	3211 LOOMIS AVENUE	6	SERVICE REPAIR		X							POLY	3/4				1970
07-05	1/21/2005	NW	29	1N	15E	3615 RAILROAD AVENUE	8	SERVICE REPLACEMENT		X						1	POLY	3/4				1970
08-05	1/25/2005	NE	29	1N	15E	5955 MORROW AVENUE	8	SERVICE REPLACEMENT		X						1	POLY	3/4				1970
09-05	1/26/2005	NE	29	1N	15E	5945 MORROW AVENUE	6	SERVICE REPLACEMENT		X						1	POLY	3/4				1970
10-05	1/12/2005	SW	30	1N	15E	67 CHISHOLM AVENUE	9	SERVICE REPLACEMENT		X						1	POLY	3/4				1975
11-05	1/13/2005	SE	20	1N	15E	3939 HIGHWAY 60	12	MAIN REPAIR		X										AC	6	1963
12-05	1/7/2005	SW	22	1N	15E	5557 ALBERTA DRIVE	6	SERVICE REPLACEMENT		X						1	POLY	3/4				1979
13-05	1/15/2005	SW	30	1N	15E	526 GIBSON STREET	6	SERVICE REPLACEMENT		X						1	POLY	3/4				1973
14-05	2/9/2005	SW	30	1N	15E	210 LIVE OAK STREET	10	MAIN REPAIR		X										AC	4	1972
15-05	2/28/2005	SW	20	1N	15E	3756 HIGHWAY 60 (ACROSS THE HIGHWAY)	8	MAIN REPAIR		X										AC	6	1963
16-05	2/8/2005	SW	22	1N	15E	5239 GOLDEN HILL ROAD	2	SERVICE REPAIR					X				POLY	3/4				1973
17-05	2/24/2005	SE	22	1N	15E	5728 CENTRAL DRIVE	4	SERVICE REPAIR		X							POLY	3/4				1973
18-05	3/16/2005	SE	30	1N	15E	3323 LOOMIS AVENUE	10	MAIN REPAIR		X										PVC	2	1982
19-05	3/17/2005	NW	29	1N	15E	3435 MILL STREET	8	SERVICE REPAIR					X				POLY	3/4				1984
20-05	3/29/2005	SE	22	1N	15E	5625 E GOLDEN HILL ROAD	8	SERVICE REPAIR		X							POLY	3/4				1984
21-05	3/28/2005	SW	27	1N	15E	6325 S THOMASINA LANE	10	SERVICE REPLACEMENT					X			1	POLY	3/4				1984
22-05	3/22/2005	NE	36	1N	14E	1401 LIVE OAK STREET	8	MAIN REPAIR		X										STEEL	6	1968
23-05	4/12/2005	SW	30	1N	15E	722 LIVE OAK STREET	6	SERVICE REPAIR		X							POLY	3/4				1980
24-05	5/25/2005	NE	36	1N	15E	1309 CANYON AVENUE	5	SERVICE REPAIR		X							POLY	3/4				1980
25-05	4/27/2005	NE	29	1N	15E	5907 GROVER CANYON ROAD	6	SERVICE REPAIR		X							POLY	3/4				1979
26-05	4/27/2005	SE	30	1N	15E	3039 MIZONA AVENUE	8	SERVICE REPLACEMENT		X						1	POLY	3/4				1979
27-05	4/19/2005	NW	31	1N	15E	1201 TOWELS AVENUE	8	MAIN REPAIR		X										GAL	3	1936
28-05	4/14/2005	SW	22	1N	15E	300 FT WEST OF INTERSECTION GOLDEN HILL ROAD &	4	MAIN REPAIR		X										AC	6	1987
29-05	4/11/2005	SW	22	1N	15E	5786 RUSSELL ROAD	4	SERVICE REPAIR		X							POLY	3/4				1980
30-05	5/12/2005	NW	29	1N	15E	6026 PUERTO RICO AVENUE	6	SERVICE REPAIR					X				GS	3/4				1930
31-05	5/26/2005	SE	22	1N	15E	5699 CROSS DRIVE	6	SERVICE REPAIR					X				POLY	3/4				1970

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
32-05	5/11/2005	SE	30	1N	15E	300 S CHERRY FLATS ROAD #25	4	SERVICE REPAIR					X				POLY	1				1973
33-05	5/31/2005	SW	30	1N	15E	218 WENTWORTH AVENUE	10	SERVICE REPLACEMENT					X			1	POLY	3/4				1970
34-05	5/10/2005	SE	22	1N	15E	5704 CENTRAL AVENUE	8	MAIN REPAIR		X										AC	6	1973
35-05	5/20/2005	SE	22	1N	15E	5465 RANDALL ROAD	6	SERVICE REPAIR		X							POLY	3/4				1970
36-05	5/25/2005	NE	30	1N	15E	3323 LOOMIS AVENUE	2	MAIN REPAIR		X										GAL	1	1930
37-05	6/22/2005	SW	22	1N	15E	5535 E APACHE HILLS LANE	8	SERVICE REPAIR					X				POLY	1				1984
38-05	6/20/2005	SW	21	1N	15E	4469 COPPER STREET	6	SERVICE REPAIR					X				POLY	3/4				1984
39-05	6/9/2005	NW	27	1N	15E	5415 WOODWARD STREET	8	SERVICE REPAIR		X							POLY	3/4				1984
40-05	6/1/2005	SW	30	1N	15E	1103 ARTHUR STREET	8	MAIN REPAIR					X							POLY	1	1984
41-05	6/27/2005	SW	22	1N	15E	5419 ROBERTS DRIVE	8	SERVICE REPAIR					X				POLY	1				1982
42-05	6/27/2005	SW	20	1N	15E	3756 HIGHWAY 60 (ACROSS THE HIGHWAY)	12	MAIN REPAIR		X										AC	6	1976
43-05	6/16/2005	SE	22	1N	15E	5626 BLOCK AVENUE	8	SERVICE REPAIR		X							POLY	3/4				1984
44-05	6/10/2005	SE	22	1N	15E	5613 S CENTRAL DRIVE	6	SERVICE REPAIR		X							POLY	3/4				1984
45-05	7/7/2005	NE	22	1N	15E	5902 SHORT AVENUE	6	MAIN REPAIR		X										AC	4	1967
46-05	7/12/2005	NW	28	1N	15E	5973 PALMER LANE	4	SERVICE REPAIR		X							POLY	3/4				1979
47-05	7/1/2005	SE	22	1N	15E	5704 S CENTRAL DRIVE	6	MAIN REPAIR					X							POLY	1	1979
48-05	7/18/2005	SE	30	1N	15E	301 MILTON AVENUE	6	SERVICE REPLACEMENT					X			1	POLY	3/4				1967
49-05	7/18/2005	SW	20	1N	15E	3756 HIGHWAY 60 (ACROSS THE HIGHWAY)	12	MAIN REPLACEMENT		X									6	AC	6	1953
50-05	7/19/2005	SW	30	1N	15E	218 WENTWORTH AVENUE	4	SERVICE REPAIR		X							POLY	3/4				1980
51-05	7/25/2005	SW	27	1N	15E	5457 SNEDDEN STREET	6	SERVICE REPAIR		X							POLY	3/4				1978
52-05	7/26/2005	NE	29	1N	15E	4252 HAMMOND STREET	6	MAIN REPAIR		X										POLY	1	1978
53-05	8/2/2005	SW	22	1N	15E	733 ELM WAY	8	SERVICE REPAIR		X							POLY	3/4				1982
54-05	8/29/2005	SE	22	1N	15E	5759 E GLOBE CANYON AVENUE	6	SERVICE REPAIR		X							POLY	3/4				1984
55-05	8/25/2005	SE	22	1N	15E	5581 S MCKINNEY AVENUE	6	SERVICE REPAIR		X							POLY	3/4				1984
56-05	8/15/2005	SW	22	1N	15E	5351 WASHBURN STREET	6	SERVICE REPAIR		X							POLY	3/4				1984
57-05	8/16/2005	SW	30	1N	15E	55 CHISHOLM AVENUE	6	SERVICE REPAIR		X							POLY	3/4				1984
58-05	8/12/2005	SE	30	1N	15E	301 MILTON AVENUE	6	SERVICE REPAIR		X							POLY	3/4				1984
59-05	8/3/2005	SE	21	1N	15E	5555 S HOSPITAL DRIVE	12	MAIN REPAIR		X										POLY	6	1999
60-05	8/25/2005	SE	30	1N	15E	3335 LOOMIS AVENUE	6	SERVICE REPAIR					X				POLY	3/4				1984
61-05	8/10/2005	SW	22	1N	15E	5537 E APACHE HILLS LANE	4	SERVICE REPAIR					X				POLY	1				1984
62-05	8/26/2005	NW	29	1N	15E	6031 MARION CANYON STREET	6	MAIN REPAIR					X							PVC	2	1990
63-05	8/25/2005	SE	30	1N	15E	3329 LOOMIS AVENUE	8	MAIN REPAIR					X							PVC	2	1990
64-05	9/6/2005	NE	21	1N	15E	2250 E US HIGHWAY 60	8	SERVICE REPAIR		X							PVC	2				1976
65-05	9/16/2005	SE	30	1N	15E	300 CHERRY FLATS ROAD #40	3	SERVICE REPAIR		X							POLY	3/4				1975
66-05	9/30/2005	NE	31	1N	15E	300 CHERRY FLATS ROAD #10	4	SERVICE REPAIR		X							POLY	3/4				1975
67-05	9/19/2005	NW	27	1N	15E	5453 E STORY STREET	6	SERVICE REPAIR		X							POLY	3/4				1975
68-05	9/26/2005	NW	36	1N	14E	4 MACKEY CAMP ROAD	6	SERVICE REPAIR		X							POLY	1				1970
69-05	9/7/2005	NW	28	1N	15E	OLD OAK STREET & GLOBE AVENUE	8	SERVICE REPAIR		X							POLY	3/4				1973
70-05	9/9/2005	SE	22	1N	15E	5626 BLOCK AVENUE	8	SERVICE REPAIR		X							POLY	1				1970
71-05	10/25/2005	SW	22	1N	15E	5802 S RUSSELL ROAD	10	MAIN REPAIR		X										AC	6	1978
72-05	10/11/2005	SE	22	1N	15E	5611 E BLOCK AVENUE #15	4	SERVICE REPAIR					X				POLY	1		N/A		1984
73-05	10/24/2005	SE	22	1N	15E	5638 BLOCK AVENUE	6	MAIN REPAIR		X										POLY	1	1990

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74-05	10/27/2005	NW	27	1N	15E	5455 E HUIE STREET	4	SERVICE REPAIR		X							POLY	3/4				1979
75-05	10/15/2005	SE	22	1N	15E	1627 N ARBOR AVENUE	4	SERVICE REPAIR		X							POLY	3/4				1984
76-05	10/10/2005	SW	30	1N	15E	236 N NELLIE AVENUE	4	SERVICE REPAIR		X							POLY	3/4				1984
77-05	10/14/2005	SE	30	1N	15E	1949 BIXBY ROAD	4	SERVICE REPAIR					X				POLY	3/4				1984
78-05	10/13/2005	SE	22	1N	15E	5920 SCOTT AVENUE	4	SERVICE REPAIR					X				POLY	1				1982
79-05	10/6/2005	NW	29	1N	15E	6052 CLEVELAND AVENUE	4	SERVICE REPAIR					X				POLY	1				1982
80-05	10/12/2005	NW	29	1N	15E	6052 CLEVELAND AVENUE	4	SERVICE REPAIR					X				POLY	1				1982
81-05	10/21/2005	NE	30	1N	15E	4103 HIGHLAND AVENUE	4	SERVICE REPAIR					X				POLY	3/4				1980
82-05	10/28/2005	SW	30	1N	15E	918 KEEGAN STREET	6	SERVICE REPAIR					X				POLY	3/4				1972
83-05	10/19/2005	SW	30	1N	15E	941 LIVE OAK STREET	6	SERVICE REPAIR					X				POLY	1				1980
84-05	10/14/2005	NW	30	1N	15E	40 MIAMI AVENUE	6	MAIN REPAIR					X							POLY	1	1982
85-05	11/1/2005	NW	29	1N	15E	6052 CLEVELAND AVENUE	4	SERVICE REPAIR					X				POLY	1				1982
86-05	11/14/2005	SE	22	1N	15E	5611 BLOCK AVENUE	10	MAIN REPAIR					X							POLY	1	1973
87-05	11/1/2005	NW	29	1N	15E	3599 E US HIGHWAY 60	8	MAIN REPAIR		X										AC	6	1963
88-05	11/29/2005	NE	29	1N	15E	3907 GREER STREET	3	SERVICE REPAIR		X							POLY	3/4				1970
89-05	11/30/2005	NE	29	1N	15E	5928 LONG STREET	8	SERVICE REPAIR		X							POLY	1				1983
90-05	11/2/2005	NW	29	1N	15E	3817 W JEFFERSON STREET	6	MAIN REPAIR		X										POLY	1	1978
91-05	11/21/2005	NE	30	1N	15E	3006 LAFAYETTE AVENUE	6	MAIN REPAIR		X										POLY	1	1970
92-05	11/7/2005	SW	30	1N	15E	726 LIVE OAK STREET	4	SERVICE REPAIR		X							CU	3/4				1980
93-05	12/6/2005	SE	22	1N	15E	5933 SCOTT AVENUE	6	SERVICE REPAIR					X				POLY	3/4				1980
94-05	12/5/2005	SE	22	1N	15E	5546 APACHE AVENUE	6	SERVICE REPLACEMENT		X						1	POLY	3/4				1984
95-05	12/16/2005	SW	30	1N	15E	927 MERRITT STREET	6	MAIN REPAIR		X										CI	6	1955
96-05	12/1/2005	NW	29	1N	15E	6122 S MARION STREET	4	OTHER					X			1	GS	2				1936
97-05	12/5/2005	SE	22	1N	15E	6021 E SHORT AVENUE	4	SERVICE REPAIR		X							POLY	3/4				1982
98-05	12/12/2005	SE	22	1N	15E	5786 CENTRAL AVENUE	10	MAIN REPAIR		X										AC	6	1973
99-05	12/20/2005	SW	22	1N	15E	5377 E WASHBURN STREET	10	MAIN REPAIR		X										PVC	2	1980
00-05	12/5/2005	SW	30	1N	15E	507 ORPHAN STREET	4	SERVICE REPAIR					X				POLY	3/4				1980
01-05	12/31/2005	SW	30	1N	15E	77 CHISHOLM AVENUE	6	SERVICE REPAIR		X							POLY	3/4				1979
02-05	12/21/2005	SE	22	1N	15E	5597 S MCKINNEY AVENUE	8	SERVICE REPAIR		X							POLY	3/4				1980
01-06	1/12/2006	NW	29	1N	15E	447 E SMELTER STREET	9	MAIN REPAIR						X						POLY	2	1956
02-06	1/26/2006	SE	34	1N	15E	QUAIL RUN & RUSSELL ROAD	9	MAIN REPAIR					X							POLY	2	1990
03-06	2/17/2006	NW	29	1N	15E	6027 MARION CANYON STREET	12	MAIN REPAIR		X										POLY	2	1970
04-06	2/24/2006	SW	30	1N	15E	57 N KEYSTONE AVENUE	6	SERVICE REPAIR					X				CU	3/4				1972
05-06	2/24/2006	SW	30	1N	15E	708 W LIVE OAK STREET	6	SERVICE REPAIR						X			CU	3/4				1970
06-06	2/9/2006	NE	28	1N	15E	4498 BROADWAY STREET	12	SERVICE REPAIR		X							GS	3/4				1940
07-06	3/15/2006	NE	30	1N	15E	195 LIVE OAK STREET	12	MAIN REPAIR		X										CI	6	1935
08-06	3/24/2006	NE	30	1N	15E	158 W HARDY STREET	6	SERVICE REPAIR						X			POLY	3/4				1978
09-06	3/27/2006	SE	22	1N	15E	5630 DOMINION STREET	2	SERVICE REPAIR						X			POLY	3/4				1979
10-06	4/4/2006	NE	21	1N	15E	2250 E US HIGHWAY 60	8	SERVICE REPAIR		X							POLY	2				1976
11-06	4/26/2006	SW	27	1N	15E	RUSSELL ROAD & SNEDDEN STREET	8	MAIN REPAIR		X										AC	4	1959
12-06	4/13/2006	NE	29	1N	15E	4356 HAMMOND STREET	6	SERVICE REPAIR		X							POLY	3/4				1973
13-06	4/11/2006	SW	22	1N	15E	5306 YOUNG STREET	6	MAIN REPAIR					X							POLY	1	1975

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
14-06	4/27/2006	SE	22	1N	15E	INSPIRATION DRIVE & SCOTT AVENUE	6	OTHER		X						1	OTHER	2				1988
15-06	4/14/2006	SE	30	1N	15E	300 S CHERRY FLATS ROAD #22	4	MAIN REPAIR		X										POLY	1	1970
16-06	4/20/2006	NW	29	1N	15E	3599 US HIGHWAY 60	16	MAIN REPAIR						X					6	AC	6	1953
17-06	4/13/2006	SE	22	1N	15E	5875 SHORT AVENUE	4	SERVICE REPAIR						X			POLY	3/4				1978
18-06	4/21/2006	SW	30	1N	15E	143 N MIAMI AVENUE	1	SERVICE REPAIR						X			CU	3/4				1978
19-06	4/20/2006	SW	30	1N	15E	143 N MIAMI AVENUE	1	SERVICE REPAIR						X			CU	3/4				1978
20-06	4/21/2006	SE	30	1N	15E	253 S SUNNYSLOPE AVENUE	6	SERVICE REPAIR						X			POLY	3/4				1975
21-06	4/17/2006	SW	30	1N	15E	726 N NASH AVENUE	6	SERVICE REPAIR						X			POLY	3/4				1972
22-06	4/19/2006	SW	4	1N	15E	BIXBY ROAD	8	SERVICE REPAIR						X			POLY	3/4				1975
23-06	4/28/2006	NE	30	1N	15E	4070 KENT STREET	6	OTHER						X		1	GS	2				1930
24-06	5/5/2006	SE	30	1N	15E	3045 HARDY ROAD	8	SERVICE REPLACEMENT		X						1	POLY	3/4				1980
25-06	5/15/2006	NW	31	1N	15E	1200 TOWELS AVENUE	10	MAIN REPAIR		X										GAL	3	1936
26-06	5/22/2006	NW	28	1N	15E	4365 HAMMOND STREET	4	SERVICE REPAIR		X							POLY	3/4				1980
27-06	5/19/2006	SW	30	1N	15E	1042 ADONIS AVENUE	4	SERVICE REPAIR		X							POLY	3/4				1979
28-06	5/5/2006	SW	21	1N	15E	4469 COPPER STREET	6	SERVICE REPAIR		X							POLY	3/4				1979
29-06	5/4/2006	SE	30	1N	15E	3072 ALTA REST AVENUE	8	SERVICE REPAIR		X							POLY	3/4				1932
30-06	5/22/2006	NE	29	1N	15E	4283 EL CAMINO	8	MAIN REPAIR						X						GAL	3	1935
31-06	5/22/2006	SW	30	1N	15E	6008 EL CAMINO	12	MAIN REPLACEMENT						X					10	POLY	1	1949
32-06	5/9/2006	SE	15	1N	15E	9 SOTOL LOOP	10	SERVICE REPLACEMENT				X				1	POLY	3/4				1972
33-06	6/12/2006	NW	29	1N	15E	6026 PORTO RICO AVENUE	6	SERVICE REPAIR					X				GS	3/4				1930
34-06	6/20/2006	SW	22	1N	15E	5306 YOUNG STREET	6	SERVICE REPLACEMENT		X						1	POLY	3/4				1975
35-06	6/5/2006	SE	30	1N	15E	3038 SUNNYSLOPE STREET	4	SERVICE REPAIR					X				POLY	3/4				1979
36-06	6/28/2006	NW	29	1N	15E	6090 MACKEY HILL	8	SERVICE REPAIR					X				POLY	3/4				1979
37-06	6/23/2006	SW	21	1N	15E	4471 BROADWAY STREET	12	SERVICE REPLACEMENT				X				1	GS	3/4				1943
38-06	6/12/2006	SE	22	1N	15E	5743 S MCKINNEY AVENUE	9	MAIN REPAIR						X						AC	6	1956
39-06	6/7/2006	SW	22	1N	15E	5558 ALBERTA DRIVE	4	SERVICE REPAIR						X			POLY	3/4				1979
40-06	6/12/2006	SE	30	1N	15E	300 S CHERRY FLATS ROAD #10	6	MAIN REPAIR						X						PVC	2	1972
41-06	6/26/2006	NW	29	1N	15E	6118 S CALLE DE LOMA	2	SERVICE REPAIR						X			GS	3/4				1946
42-06	7/27/2006	SE	22	1N	15E	5571 S MCKINNEY AVENUE	4	SERVICE REPAIR		X							POLY	3/4				1978
43-06	7/21/2006	SE	22	1N	15E	5582 GLENDALE AVENUE	5	SERVICE REPAIR					X				POLY	3/4				1980
44-06	7/7/2006	SW	30	1N	15E	1110 ARTHUR STREET	4	SERVICE REPAIR					X				POLY	1				1978
45-06	7/10/2006	SW	30	1N	15E	1110 ARTHUR STREET	3	SERVICE REPAIR						X			POLY	1				1978
46-06	7/6/2006	NE	29	1N	15E	4331 GLOBE AVENUE	4	SERVICE REPAIR						X			POLY	3/4				1979
47-06	7/6/2006	SE	22	1N	15E	5580 S MCKINNEY AVENUE	4	SERVICE REPAIR						X			POLY	3/4				1979
48-06	7/3/2006	NE	16	1N	15E	14239 HIGHWAY 188	8	SERVICE REPAIR						X			GS	2				1972
49-06	7/10/2006	SW	30	1N	15E	186 S CEDAR AVENUE	6	SERVICE REPAIR						X			POLY	3/4				1979
50-06	7/25/2006	SE	22	1N	15E	5871 HILL STREET	4	SERVICE REPAIR						X			POLY	3/4				1980
51-06	8/4/2006	SE	30	1N	15E	300 S CHERRY FLATS ROAD #34	8	SERVICE REPAIR		X							POLY	1				1986
52-06	8/15/2006	SE	22	1N	15E	5817 BRADLEY	10	MAIN REPAIR					X							AC	6	1962
53-06	8/23/2006	NE	5	1N	15E	4773 HIGHWAY 188	6	SERVICE REPAIR					X				POLY	3/4				1986
54-06	8/8/2006	SE	20	1N	15E	5823 S GROVER CANYON	6	SERVICE REPAIR					X				POLY	1				1980
55-06	8/24/2006	NW	28	1N	15E	5990 S BOARD DRIVE	8	SERVICE REPAIR					X				POLY	3/4				1986

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
56-06	8/26/2006	SW	27	1N	15E	5428 LANCASTER STREET	8	SERVICE REPAIR		X							POLY	3/4				1986
57-06	8/28/2006	NE	21	1N	15E	1996 HIGHWAY 188	12	MAIN REPAIR		X										AC	8	1973
58-06	8/2/2006	SW	30	1N	15E	501 W SULLIVAN STREET	8	SERVICE REPAIR						X			POLY	3/4				1984
59-06	8/8/2006	NW	27	1N	15E	5514 STORY STREET	8	SERVICE REPAIR						X			POLY	3/4				1984
60-06	9/7/2006	NE	5	1N	15E	4773 HIGHWAY 188	6	SERVICE REPAIR					X				POLY	3/4				1979
61-06	9/27/2006	SE	22	1N	15E	5643 S MCKINNEY AVENUE	6	SERVICE REPAIR		X							POLY	3/4				1978
62-06	9/1/2006	SE	30	1N	15E	3014 LATHAM BOULEVARD	6	SERVICE REPAIR		X							POLY	3/4				1977
63-06	9/12/2006	SE	30	1N	15E	3011 LATHAM BOULEVARD	6	SERVICE REPAIR		X							POLY	3/4				1977
64-06	9/26/2006	SE	22	1N	15E	5716 ARROYA AVENUE	12	MAIN REPAIR					X							GAL	2	1948
65-06	9/29/2006	NW	22	1N	15E	1996 HIGHWAY 188	9	SERVICE REPAIR					X				PVC	2				1977
66-06	9/1/2006	NW	28	1N	15E	5973 GLOBE AVENUE	4	SERVICE REPAIR					X				POLY	3/4				1977
67-06	9/27/2006	SE	30	1N	15E	3036 LOOMIS AVENUE	9	MAIN REPAIR					X							POLY	2	1984
68-06	9/19/2006	SW	30	1N	15E	1103 ARTHUR STREET	6	MAIN REPAIR					X							POLY	1	1979
69-06	9/28/2006	SE	15	1N	15E	21 SUPERSTITION CIRCLE	10	SERVICE REPLACEMENT		X						1	POLY	1				1976
70-06	9/1/2006	NW	28	1N	15E	5990 BOARD DRIVE	6	SERVICE REPAIR		X							POLY	3/4				1978
71-06	9/5/2006	SE	21	1N	15E	5634 S RUSSELL ROAD	9	MAIN REPAIR						X						GAL	2	1945
72-06	9/7/2006	SE	25	1N	15E	135 CANYON AVENUE	6	SERVICE REPAIR						X			POLY	3/4				1977
73-06	9/29/2006	SE	22	1N	15E	5559 S MCKINNEY AVENUE	6	SERVICE REPAIR						X			POLY	3/4				1976
74-06	9/16/2006	NW	29	1N	15E	3682 US HIGHWAY 60	16	MAIN REPAIR						X					8	AC	6	1963
75-06	10/26/2006	SW	21	1N	15E	5771 OLD OAK STREET	8	SERVICE REPAIR		X							POLY	3/4				1984
76-06	10/30/2006	SE	29	1N	15E	5962 GROVER CANYON ROAD	8	SERVICE REPAIR		X							POLY	3/4				1986
77-06	10/27/2006	NW	28	1N	15E	5973 GLOBE AVENUE	6	SERVICE REPAIR						X			POLY	3/4				1984
78-06	10/5/2006	SE	21	1N	15E	2370 E US HIGHWAY 60	10	MAIN REPAIR						X						GAL	2	1961
79-06	10/7/2006	NE	21	1N	15E	1996 HIGHWAY 188	10	MAIN REPAIR						X						GAL	2	1980
01-07	1/29/2007	NW	28	1N	15E	6005 BOARD DRIVE	6	SERVICE REPLACEMENT				X				1	PVC	1				1973
02-07	1/2/2007	NE	9	1N	15E	200 FT NORTH OF RAILROAD CROSSING	9	MAIN REPAIR						X			OTHER			AC	8	1973
03-07	1/21/2007	SW	27	1N	15E	5509 PINAL CANYON DRIVE	8	SERVICE REPAIR						X			PVC	1				1971
04-07	1/29/2009	NW	30	1N	15E	522 W PINTO STREET	9	SERVICE REPAIR						X			GS			GS	1	1937
05-07	1/29/2007	SE	20	1N	15E	5781 AVE DE ED PASTOR	6	SERVICE REPAIR						X			PVC	3/4				1979
06-07	1/15/2007	SE	22	1N	15E	5629 ENGLISH AVENUE	6	SERVICE REPAIR						X			PVC	3/4				1978
07-07	1/9/2007	NE	29	1N	15E	4283 WILSON STREET	12	SERVICE REPAIR						X			GS	3				1936
08-07	2/7/2007	NW	29	1N	15E	6196 CALL DE LOMA	3	MAIN REPAIR						X			GS	2		GS	2	1946
09-07	2/14/2007	NW	30	1N	15E	522 W PINTO STREET	9	MAIN REPAIR						X			GS			GS	1	1937
10-07	2/15/2007	NE	29	1N	15E	5955 MORROW AVENUE	6	SERVICE REPAIR						X			N/A	PVC				N/A
11-07	2/16/2007	NE	29	1N	15E	5945 MORROW AVENUE	4	SERVICE REPAIR						X			PVC	3/4				1978
12-07	2/26/2007	NE	29	1N	15E	6048 MORROW AVENUE	8	MAIN REPAIR						X			GS			GS	2	1953
13-07	2/7/2007	SW	30	1N	15E	1103 ARTHUR STREET	9	MAIN REPAIR						X			PVC			PVC	1	1972
14-07	2/1/2007	NE	5	1N	15E	BIXBY ROAD	8	MAIN REPLACEMENT				X					PVC		8	PVC	3/4	1980
15-07	3/3/2007	SE	15	1N	15E	#11 WELL	9	MAIN REPAIR						X			GS			GS	2	1970
16-07	3/7/2007	SW	30	1N	15E	143 N MIAMI AVENUE	1	SERVICE REPAIR						X			CU	3/4				1979
17-07	3/22/2007	NE	29	1N	15E	5955 MORROW AVENUE	6	SERVICE REPAIR						X			PVC	3/4				1978
18-07	3/29/2007	SW	30	1N	15E	508 N SULLIVAN STREET	12	MAIN REPAIR						X			OTHER			CICL	6	1932

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19-07	3/29/2007	SE	21	1N	15E	5555 S HOSPITAL DRIVE	9	MAIN REPAIR						X			POLY			HDPE	6	1997
20-07	4/15/2007	NW	4	1N	15E	2008 BIXBY ROAD	9	SERVICE REPAIR						X			PVC	3/4				1977
21-07	4/27/2007	SE	22	1N	15E	5672 MAIN STREET	6	MAIN REPAIR						X			GS			GAL	1 1/2	1945
22-07	4/27/2007	SE	30	1N	15E	342 S LOOMIS AVENUE	8	MAIN REPAIR						X			PVC			PVC	2	1935
23-07	4/2/2007	SE	25	1N	15E	WATER STREET & WAREHOUSE	2	MAIN REPAIR						X			GS			GS	2	1992
24-07	6/25/2007	SE	21	1N	15E	5555 S HOSPITAL DRIVE	8	MAIN REPAIR				X					POLY		18"	POLY	6	1997
25-07	9/24/2007	SW	30	1N	15E	922 MERRITT STREET	6	SERVICE REPAIR						X			GS	3/4				1936
26-07	9/29/2007	SW	30	1N	15E	731 CHURCH HILL #B	6	MAIN REPAIR						X			GS			GS	3	1935
27-07	9/25/2007	NW	28	1N	15E	5174 OLD OAK STREET	4	SERVICE REPAIR						X			POLY	3/4				1967
28-07	9/24/2007	SE	22	1N	15E	5754 S MOUNTAIN VIEW	6	SERVICE REPAIR						X			GS	3/4				1940
29-07	9/13/2007	NE	30	1N	15E	3051 LATHAM BOULEVARD	4	SERVICE REPAIR						X			POLY	3/4				1973
30-07	9/13/2007	SW	21	1N	15E	4490 BROADWAY STREET	8	SERVICE REPLACEMENT						X		1	POLY	3/4				1970
31-07	9/13/2007	SW	22	1N	15E	5258 GOLDEN HILL ROAD	8	MAIN REPLACEMENT				X				1	POLY	3/4				1973
32-07	9/5/2007	SW	27	1N	15E	5549 SNEDDEN STREET	4	SERVICE REPAIR						X			POLY	1				1980
33-07	9/8/2007	NW	29	1N	15E	3431 MILL STREET	4	SERVICE REPAIR						X			POLY	3/4				1975
34-07	9/5/2007	SW	30	1N	15E	76 CHISHOLM AVENUE	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1977
35-07	9/4/2007	SW	30	1N	15E	1110 ARTHUR STREET	4	MAIN REPAIR						X			POLY			POLY	1	1970
36-07	9/4/2007	SW	30	1N	15E	87 CHISHOLM AVENUE	4	SERVICE REPAIR						X			POLY	3/4				1977
37-07	9/2/2007	NW	22	1N	15E	714 3RD AVENUE	8	SERVICE REPAIR						X			POLY	3/4				1974
38-07	9/17/2007	NW	4	1N	15E	1780 BIXBY ROAD	6	SERVICE REPAIR				X				1	CU	3/4				1973
39-07	9/13/2007	NE	29	1N	15E	5949 GLOBE AVENUE	4	SERVICE REPLACEMENT				X				1	GS	3/4				1939
40-07	9/13/2007	NW	22	1N	15E	1996 N HIGHWAY 188	6	SERVICE REPLACEMENT				X				1	PVC	2				1977
41-07	1/13/2007	SW	21	1N	15E	4490 BROADWAY STREET	8	SERVICE REPLACEMENT				X				1	GS	3/4				1948
42-07	10/18/2007	NE	29	1N	15E	4235 HAMMOND STREET	4	MAIN REPAIR						X			POLY			POLY	1	1981
43-07	10/15/2007	NW	29	1N	15E	6031 MARION CANYON STREET	8	MAIN REPAIR						X			PVC			PVC	2	1976
44-07	10/30/2007	SW	30	1N	15E	198 N CHISHOLM AVENUE	4	SERVICE REPAIR						X			POLY	3/4				1986
45-07	10/31/2007	SE	22	1N	15E	6021 SHORT AVENUE	4	SERVICE REPLACEMENT						X			POLY	3/4				1984
46-07	11/28/2007	SE	30	1N	15E	342 S LOOMIS AVENUE	10	MAIN REPAIR						X			GS			GS	1 1/4	UNKNOWN
47-07	11/26/2007	NE	30	1N	15E	429 E SMELTER STREET	4	SERVICE REPAIR						X			POLY	3/4				1984
48-07	11/27/2007	SE	22	1N	15E	5680 S CENTRAL DRIVE	6	SERVICE REPAIR						X			POLY	3/4				1986
49-07	11/16/2007	SE	22	1N	15E	6669 S MCKINNEY AVENUE	6	SERVICE REPAIR						X			POLY	3/4				1982
50-07	11/26/2007	SW	22	1N	15E	5258 GOLDEN HILL ROAD	6	SERVICE REPAIR						X			POLY	3/4				1986
51-07	11/15/2007	NW	29	1N	15E	6153 E WASHINGTON AVENUE	6	SERVICE REPAIR						X			POLY	3/4				1982
52-07	11/16/2007	SE	22	1N	15E	5559 S MCKINNEY AVENUE	8	SERVICE REPAIR						X			POLY	3/4				1984
53-07	12/28/2007	SW	21	1N	15E	5518 S WILSON PLACE	8	MAIN REPAIR						X			POLY			POLY	1	1980
54-07	12/5/2007	SW	27	1N	15E	6393 S RUSSELL ROAD	12	MAIN REPAIR						X			OTHER			AC	4	1959
55-07	12/7/2007	NW	28	1N	15E	4235 HAMMOND STREET	8	MAIN REPAIR						X			POLY			POLY	1	1986
56-07	12/31/2007	NW	22	1N	15E	712 PAXTON AVENUE	8	SERVICE REPAIR						X			POLY	3/4				1982
57-07	12/18/2007	NE	29	1N	15E	5912 GROVER CANYON ROAD	6	SERVICE REPAIR						X			POLY	3/4				1984
58-07	12/27/2007	SE	22	1N	15E	CENTRAL DRIVE & MONROE PLACE	6	MAIN REPAIR						X			GS			GS	1	UNKNOWN
59-07	12/28/2007	SW	27	1N	15E	5509 PINAL CANYON DRIVE	8	SERVICE REPAIR						X			POLY	3/4				1982
60-07	12/31/2007	SE	22	1N	15E	5717 COBB AVENUE	6	SERVICE REPAIR						X			POLY	3/4				1986

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61-07	6/7/2007	SE	15	1N	15E	57 AGASSIZ TERRACE	8	MAIN REPLACEMENT						X		1	POLY	1				1984
62-07	6/29/2007	SE	21	1N	15E	5555 S HOSPITAL DRIVE	12	MAIN REPAIR						X			POLY			HDPE	6	1997
63-07	6/4/2007	SE	22	1N	15E	5600 S MCKINNEY AVENUE	6	SERVICE REPAIR						X			POLY	1				1986
64-07	6/11/2007	SE	22	1N	15E	5663 BLACK WARRIOR STREET	4	SERVICE REPAIR						X			POLY	3/4				1984
65-07	6/22/2007	SW	22	1N	15E	5557 ALBERTA DRIVE	4	SERVICE REPAIR						X			POLY	3/4				1986
66-07	6/8/2007	SE	22	1N	15E	5881 E HILL STREET	6	SERVICE REPAIR						X			POLY	3/4				1979
01-08	2/2/2008	SE	20	1N	15E	4259 WILSON STREET	6	MAIN REPAIR						X			GS			GS	3	1956
02-08	2/6/2008	NW	28	1N	15E	5963 DAWDY DRIVE	6	MAIN REPAIR						X			GS			GS	2	1943
03-08	2/16/2008	SW	22	1N	15E	5276 E GOLDEN HILL ROAD	6	SERVICE REPAIR						X			POLY	3/4				1982
04-08	2/26/2008	NE	29	1N	15E	5900 PINEWAY STREET	9	MAIN REPAIR						X			GS			GS	2	1938
05-08	2/28/2008	SE	22	1N	15E	5621 S CENTRAL DRIVE	1	SERVICE REPAIR						X			POLY	3/4				1980
06-08	2/29/2008	SE	22	1N	15E	2291 BIXBY ROAD	8	MAIN REPAIR						X			PVC			PVC	12	2005
07-08	3/28/2008	NW	29	1N	15E	3585 HIGHWAY 60	8	MAIN REPAIR						X			OTHER			AC	6	1969
08-08	3/6/2008	NW	29	1N	15E	3599 HIGHWAY 60	6	MAIN REPAIR						X			OTHER			AC	6	1969
09-08	3/7/2008	NW	29	1N	15E	6155 CLEVELAND AVENUE	4	SERVICE REPAIR						X			POLY	3/4				1984
10-08	3/27/2008	NW	29	1N	15E	3596 US HIGHWAY 60	4	MAIN REPAIR						X			OTHER			AC	3	1969
11-08	3/21/2008	NW	22	1N	15E	807 PAXTON AVENUE	4	SERVICE REPAIR						X			POLY	3/4				1984
12-08	4/15/2008	SW	22	1N	15E	5201 S RUSSELL ROAD	4	SERVICE REPAIR						X			POLY	3/4				1973
13-08	4/23/2008	NE	29	1N	15E	3907 GREER STREET	4	SERVICE REPAIR				X				1	GS	3/4				1988
14-08	4/7/2008	SW	21	1N	15E	5824 MAPLE LEAF STREET	6	SERVICE REPAIR					X				POLY	3/4				1988
15-08	4/8/2008	SW	22	1N	15E	5836 S RUSSELL ROAD	6	SERVICE REPAIR						X			POLY	3/4				1984
16-08	4/7/2008	SE	15	1N	15E	37 CHAPARRAL LOOP	6	SERVICE REPAIR					X				POLY	3/4				1984
17-08	4/8/2008	SE	22	1N	15E	5681 S CENTRAL DRIVE	6	SERVICE REPAIR					X				POLY	3/4				1984
18-08	4/18/2008	SE	2	1N	15E	5553 GLENDALE AVENUE	3	SERVICE REPAIR					X				POLY	3/4				1984
19-08	4/18/2008	SW	30	1N	15E	244 N CHISHOLM AVENUE	6	SERVICE REPAIR						X			POLY	3/4				1980
20-08	4/28/2008	SE	21	1N	15E	4635 RAGUS ROAD	4	MAIN REPAIR		X							GS			GS	6	1967
21-08	4/28/2008	SE	32	1N	15E	2291 BIXBY ROAD	12	MAIN REPAIR		X							OTHER			AC	8	1973
22-08	4/4/2008	SW	27	1N	15E	5509 PINAL CANYON ROAD	4	SERVICE REPAIR						X			GS	1				1969
23-08	4/20/2008	SE	30	1N	15E	3323 LOOMIS AVENUE	6	MAIN REPAIR		X							GS			GS	2	UNKNOWN
24-08	5/2/2008	SW	21	1N	15E	4301 BROADWAY STREET	6	SERVICE REPAIR		X							POLY	3/4				1984
25-08	5/29/2008	NE	21	1N	15E	2250 HIGHWAY 60	9	SERVICE REPAIR		X							PVC	2				1980
26-08	5/5/2008	SE	22	1N	15E	5576 S GLENDALE AVENUE	12	SERVICE REPLACEMENT				X				1	POLY	3/4				1986
27-08	5/12/2008	NW	29	1N	15E	5958 NEW STREET	9	SERVICE REPAIR		X							POLY	3/4				1984
28-08	5/21/2008	SW	22	1N	15E	5239 GOLDEN HILL ROAD	9	SERVICE REPLACEMENT				X				1	POLY	3/4				1982
29-08	5/27/2008	NW	29	1N	15E	3435 MILL STREET	6	SERVICE REPLACEMENT				X				1	POLY	3/4				1984
30-08	5/19/2008	NW	29	1N	15E	3451 MILL STREET	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1988
31-08	5/19/2008	SW	22	1N	15E	5670 E YOUNG STREET	6	MAIN REPAIR		X							POLY			POLY	1	1969
32-08	5/8/2008	SE	22	1N	15E	5623 S DOMINION STREET	4	MAIN REPAIR		X							GS			GS	1	1945
33-08	5/12/2008	NW	29	1N	15E	5859 NEW STREET	6	SERVICE REPAIR		X							PVC	3/4				1979
34-08	5/17/2008	SW	15	1N	15E	5196 BORNITE LANE	6	SERVICE REPAIR		X							PVC	3/4				1973
35-08	5/20/2008	NW	29	1N	15E	5903 CALLE DE LOMA	6	SERVICE REPAIR		X							PVC	3/4				1971
36-08	6/16/2008	NE	21	1N	15E	2250 E US HIGHWAY 60 SUITE N	6	MAIN REPAIR		X							PVC			PVC	2	1979

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
37-08	6/3/2008	SW	20	1N	15E	5780 VERNON STREET	4	SERVICE REPAIR		X							PVC	3/4				1977
38-08	6/30/2008	SW	22	1N	15E	5589 RUSSELL ROAD	9	SERVICE REPAIR		X							PVC	3/4				1977
39-08	6/23/2008	NW	29	1N	15E	6027 MARION CANYON STREET	8	MAIN REPAIR		X							PVC			PVC	2	1972
40-08	6/27/2008	NW	28	1N	15E	6048 BOARD STREET	9	SERVICE REPAIR		X							POLY	3/4				1984
41-08	6/26/2008	SE	22	1N	15E	5571 S GLENDALE AVENUE	9	MAIN REPLACEMENT				X				1	POLY	3/4				1986
42-08	6/23/2008	NW	29	1N	15E	6122 MARION CANYON STREET	6	OTHER				X					PVC	2				UNKNOWN
43-08	6/24/2008	NW	31	1N	15E	1011 FREDERIC STREET	12	MAIN REPAIR		X							GS			GS	2	1969
44-08	6/23/2008	NE	29	1N	15E	4945 GLOBE STREET	6	SERVICE REPLACEMENT				X				1	POLY	3/4				1982
45-08	6/14/2008	SW	15	1N	15E	4579 S TURQUOISE	3	SERVICE REPAIR		X							POLY	3/4				1984
46-08	6/2/2008	SW	22	1N	15E	5625 GOLDEN HILL ROAD	6	MAIN REPAIR		X							GS			GS	2	1972
47-08	6/4/2008	SW	22	1N	15E	5382 GOLDEN HILL	9	SERVICE REPLACEMENT						X		1	POLY	3/4				1986
48-08	6/24/2008	NW	29	1N	15E	3670 US HIGHWAY 60	20	MAIN REPAIR						X			OTHER			AC	6	1951
49-08	7/1/2008	SE	22	1N	15E	5553 S GLENDALE AVENUE	6	SERVICE REPAIR						X			POLY	3/4				1986
50-08	7/21/2008	NW	28	1N	15E	4084 BOARD STREET	6	SERVICE REPAIR						X			POLY	3/4				1982
51-08	7/2/2008	SW	27	1N	15E	5589 RUSSELL ROAD	12	MAIN REPLACEMENT						X		1	POLY	3/4				1984
52-08	7/3/2008	SW	22	1N	15E	5468 SNEDDEN STREET	6	SERVICE REPAIR						X			POLY	3/4				1982
53-08	7/8/2008	SW	30	1N	15E	MIAMI WASH	4	SERVICE REPAIR						X			POLY	3/4				1982
54-08	7/23/2008	SW	30	1N	15E	MIAMI WASH	3	SERVICE REPAIR						X			POLY	3/4				1982
55-08	7/2/2008	SE	22	1N	15E	5877 HILL LANE	12	SERVICE REPLACEMENT				X				1	POLY	3/4				1982
56-08	7/17/2008	NW	28	1N	15E	6041 BOARD DRIVE	12	SERVICE REPLACEMENT				X				1	PVC	3/4				1977
57-08	7/28/2008	SE	30	1N	15E	201 S LATHAM BOULEVARD	9	SERVICE REPAIR		X							PVC	3/4				1978
58-08	7/15/2008	NE	29	1N	15E	5941 GLOBE AVENUE	8	SERVICE REPAIR		X							POLY	3/4				1986
59-08	7/15/2008	NW	29	1N	15E	-	6	SERVICE REPAIR		X							GS	2				1962
60-09	1/7/2008	SW	27	1N	15E	5480 SNEDDEN STREET	8	SERVICE REPAIR		X							POLY	3/4				1986
61-08	1/17/2008	SE	22	1N	15E	5568 CENTRAL DRIVE	6	SERVICE REPAIR		X							PVC	3/4				1977
62-08	7/14/2008	SW	21	1N	15E	LOCO MOTIVE/EL CAMINO	16	SERVICE REPAIR		X							PVC	1				1976
63-08	8/6/2008	SW	27	1N	15E	5531 SNEDDEN STREET	9	SERVICE REPAIR		X							POLY	1				1970
64-08	8/26/2008	NW	28	1N	15E	6048 BOARD STREET	6	SERVICE REPAIR		X							POLY	3/4				1975
65-08	8/22/2008	NW	29	1N	15E	3587 US HIGHWAY 60 & CALLE DE LOMA	12	MAIN REPLACEMENT		X							OTHER		6	AC	6	1963
66-08	8/22/2008	SE	22	1N	15E	5687 GLOBE CANYON AVENUE	6	SERVICE REPAIR		X							POLY	3/4				1973
67-08	8/6/2008	NE	30	1N	15E	4115 E SMELTER STREET	9	SERVICE REPAIR		X							POLY	3/4				1969
68-08	8/7/2008	SE	22	1N	15E	5572 S MCKINNEY AVENUE	6	SERVICE REPLACEMENT		X						1	POLY	3/4				1973
69-08	8/11/2008	SW	30	1N	15E	1046 S ADONIS AVENUE	6	SERVICE REPAIR		X							POLY	3/4				1977
70-08	8/25/2008	SE	22	1N	15E	5646 S HUNT AVENUE	4	SERVICE REPLACEMENT				X				1	POLY	3/4				1973
71-08	8/21/2008	SW	30	1N	15E	726 NASH AVENUE	4	SERVICE REPLACEMENT				X				1	POLY	3/4				1977
72-08	8/19/2008	NW	29	1N	15E	14 MARION CANYON STREET	6	SERVICE REPAIR						X			PVC	3/4				1983
73-08	8/20/2008	NW	27	1N	15E	5514 STORY STREET	4	SERVICE REPAIR						X			POLY	3/4				1970
74-08	8/19/2008	NW	29	1N	15E	14 MARION CANYON STREET & MONROE	9	MAIN REPAIR						X			PVC		2'	PVC		1983
75-08	8/19/2008	SE	22	1N	15E	5456 S RANDALL STREET	4	SERVICE REPAIR						X			POLY	3/4				1973
76-08	8/11/2008	SE	34	1N	15E	5784 E QUAIL RUN	6	SERVICE REPLACEMENT						X			CU	3/4				1990
77-08	8/4/2008	SW	30	1N	15E	409 S REPPY AVENUE	4	SERVICE REPAIR		X							PVC	3/4				1976
78-08	8/12/2008	SW	15	1N	15E	5238 MALACHITE LANE	12	MAIN REPAIR		X							OTHER		6"			1984

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
79-08	8/11/2008	SE	34	1N	15E	5784 E QUAIL RUN	6	MAIN REPAIR		X							PVC		2"			1990
80-08	10/14/2008	NE	21	1N	15E	RUSSELL ROAD	8	SERVICE REPLACEMENT				X				1	PVC	2				1976
81-08	10/10/2008	SE	15	1N	15E	152 KITT PEAK	6	SERVICE REPAIR		X							POLY	3/4				1975
82-08	10/10/2008	SE	15	1N	15E	33 CHAPARRAL LOOP	6	SERVICE REPAIR		X							POLY	3/4				1972
83-08	10/26/2008	NE	30	1N	15E	4105 HIGHLAND AVENUE	6	SERVICE REPAIR		X							POLY	3/4				1976
84-08	10/20/2008	SE	32	2N	15E	2291 BIXBY ROAD	6	SERVICE REPAIR		X							POLY	2				2000
85-08	10/15/2008	NW	28	1N	15E	4375 GLOBE AVENUE	4	SERVICE REPAIR		X							POLY	3/4				1976
86-08	10/9/2008	SE	22	1N	15E	5922 E SCOTT AVENUE	4	SERVICE REPAIR		X							POLY	3/4				1975
87-08	10/11/2008	SW	27	1N	15E	5531 SNEDDEN STREET	4	SERVICE REPAIR		X							POLY	1				1970
88-08	10/8/2008	SW	15	2N	15E	5196 E BORNITE LANE	6	SERVICE REPAIR		X							POLY	3/4				1973
89-08	10/9/2008	SE	22	1N	15E	5932 RUTH ANN DRIVE	4	SERVICE REPAIR		X							POLY	3/4				1975
90-08	10/8/2008	NW	29	1N	15E	5938 CALLE DE LOMA (HILL)	4	SERVICE REPAIR		X							GS	3/4				1946
91-08	10/12/2008	SE	21	1N	15E	5634 RUSSELL ROAD	6	MAIN REPAIR						X			GS			GS	2	1946
92-08	10/28/2008	SW	30	1N	15E	1008 MIAMI WASH/LIVE OAK	6	SERVICE REPAIR						X			CU	3/4				1985
93-08	10/6/2008	NE	29	1N	15E	5928 LONG STREET	12	SERVICE REPAIR		X							PVC	3/4				1976
94-08	10/27/2008	SW	27	1N	15E	5507 PINAL CANYON DRIVE	4	SERVICE REPAIR		X							PVC	3/4				1976
95-08	10/17/2008	NW	22	1N	15E	950 CYPRESS DRIVE	6	SERVICE REPAIR		X							PVC	3/4				1977
96-08	10/21/2008	SE	32	1N	15E	2675 BIXBY ROAD	8	SERVICE REPAIR		X							PVC	1				1975
97-08	11/21/2008	SE	15	1N	15E	5196 E BORNITE LANE	8	SERVICE REPAIR				X					PVC	1				1973
98-08	11/6/2008	SE	22	1N	15E	5625 GOLDEN HILL ROAD	8	MAIN REPAIR		X							GS			GS	2	1955
99-08	11/18/2008	SW	15	1N	15E	5196 E BORNITE LANE	6	SERVICE REPLACEMENT				X				1	PVC	3/4				1973
00-08	11/19/2008	NW	29	1N	15E	6107 MARION STREET	6	SERVICE REPLACEMENT				X				1	PVC	3/4				1979
01-08	11/24/2008	SE	22	1N	15E	5620 S DOMINION STREET	6	MAIN REPAIR					X				GS			GS	1	1945
02-08	11/5/2008	NE	21	1N	15E	COBRE VALLEY PLAZA	6	SERVICE REPAIR						X			PVC	3/4				1976
03-08	11/5/2008	SW	30	1N	15E	409 REPPY AVENUE	6	SERVICE REPAIR						X			PVC	3/4				1979
04-08	11/1/2008	NE	30	1N	15E	4081 HIGHLAND AVENUE #B	6	SERVICE REPAIR						X			PVC	3/4				1979
05-08	11/17/2008	SW	30	1N	15E	402 HICKS CANYON ROAD	6	SERVICE REPAIR						X			PVC	3/4				1980
06-08	12/11/2008	SW	27	1N	15E	5509 PINAL CANYON ROAD	6	SERVICE REPAIR		X							GS	3/4				1942
07-08	12/11/2008	SE	30	1N	15E	3013 LATHAM BOULEVARD	4	SERVICE REPAIR		X							PVC	3/4				1979
08-08	12/23/2008	SW	30	1N	15E	300 LIVE OAK STREET	6	SERVICE REPAIR						X			PVC	3/4				1980
09-08	12/23/2008	NW	30	1N	15E	246 N SKYLINE TRAIL	6	MAIN REPAIR						X			GS			GS	2	1932
10-08	12/1/2008	SE	22	1N	15E	5623 S DOMINION STREET	6	MAIN REPAIR						X			GS			GS	3/4	1945
11-08	12/1/2008	NW	28	1N	15E	4449 E CALLE PEQUENA	6	SERVICE REPAIR						X			PVC	3/4				1979
12-08	12/2/2008	NW	29	1N	15E	6052 CALLE DE LOMA	4	SERVICE REPAIR						X			PVC	3/4				1979
13-08	12/10/2008	SE	22	1N	15E	5623 S DOMINION STREET	6	SERVICE REPAIR						X			GS	3/4				1945
14-08	12/15/2008	NW	29	1N	15E	5903 CALLE DE LOMA	6	SERVICE REPAIR						X			GS	3/4				1950
15-08	12/29/2008	SE	34	1N	15E	5830 E QUAIL RUN	6	MAIN REPAIR						X			PVC			PVC	2	1991
16-08	12/22/2008	SW	27	1N	15E	5489 SNEDDEN STREET	6	SERVICE REPAIR						X			PVC	3/4				1979
17-08	9/9/2008	SW	22	1N	15E	5398 RUSSELL ROAD	8	OTHER					X				UNKNOWN				4	N/A
18-08	9/3/2008	SE	32	1N	15E	1980 BIXBY ROAD	8	SERVICE REPAIR		X							POLY	3/4				1984
19-08	9/17/2008	NE	30	1N	15E	4117 SMELTER STREET	8	SERVICE REPAIR		X							POLY	3/4				1986
20-08	9/4/2008	NW	29	1N	15E	6027 MARION CANYON STREET	12	MAIN REPAIR		X							PVC			PVC	2	UNKNOWN

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
21-08	9/22/2008	SE	22	1N	15E	5687 GLOBE CANYON AVENUE	8	SERVICE REPLACEMENT		X							POLY	3/4				1984
22-08	9/25/2008	SW	22	1N	15E	5813 HOSPITAL DRIVE	8	SERVICE REPAIR				X					POLY	3/4				1986
23-08	9/9/2008	NW	4	1N	15E	1742 BIXBY ROAD	8	SERVICE REPAIR				X					POLY	3/4				1984
24-08	9/26/2008	NE	21	1N	15E	2250 US RT 60 (BACK BEVERAGE HOUSE)	12	MAIN REPAIR		X							OTHER			AC	6	1969
25-08	9/17/2008	SE	22	1N	15E	5673 CENTRAL TRAIL	8	SERVICE REPAIR		X							POLY	3/4				1986
26-08	9/3/2008	SE	22	1N	15E	5631 S MCKINNEY AVENUE	8	SERVICE REPLACEMENT				X				1	POLY	3/4				1986
27-08	9/9/2008	SW	30	1N	15E	108 CHISHOLM AVENUE	9	SERVICE REPAIR		X							PVC	3/4				1976
28-08	9/8/2008	SE	22	1N	15E	5681 CENTRAL DRIVE	6	SERVICE REPLACEMENT				X				1	PVC	3/4				1977
29-08	9/8/2008	SE	15	1N	15E	118 TURNBULL TURN	6	SERVICE REPLACEMENT				X				1	PVC	3/4				1976
30-08	9/15/2008	SE	30	1N	15E	3335 LOOMIS AVENUE	8	SERVICE REPAIR		X							PVC	3/4				1986
31-08	9/25/2008	SE	22	1N	15E	5705 E GLOBE CANYON	10	SERVICE REPAIR				X				1	PVC	3/4				1980
32-08	9/12/2008	NW	4	1N	15E	1954 BIXBY ROAD	8	SERVICE REPAIR				X				1	PVC	3/4				1973
01-09	1/2/2009	SE	34	1N	15E	5825 E QUAIL RUN	4	SERVICE REPAIR					X				POLY	3/4				1996
02-09	1/15/2009	NW	29	1N	15E	6100 CLEVELAND AVENUE	6	SERVICE REPAIR		X							POLY	3/4				1976
03-09	1/15/2009	SW	27	1N	15E	5594 LANCASTER STREET	6	SERVICE REPAIR					X				PVC	1				1970
04-09	1/21/2009	SW	15	1N	15E	5196 BORNITE LANE	6	MAIN REPLACEMENT		X						1	PVC	3/4				1973
05-09	1/30/2009	NW	30	1N	15E	376 MIAMI AVENUE	6	SERVICE REPAIR					X				PVC	3/4				1978
06-09	1/28/2009	SW	30	1N	15E	143 MIAMI AVENUE	6	SERVICE REPAIR		X							PVC	1				1975
07-09	1/5/2009	NE	30	1N	14E	710 1/2 SULLIVAN/SYKES ALLEY	15	MAIN REPAIR		X							OTHER		4	CI	6	1975
08-09	1/21/2009	NW	29	1N	15E	6187 S MARION STREET	6	SERVICE REPAIR		X							PVC	3/4				1983
09-09	1/20/2009	SE	32	2N	15E	2291 BIXBY ROAD	6	SERVICE REPAIR						X			POLY	2				1990
10-09	2/23/2009	SE	22	1N	15E	5672 MAIN STREET	6	MAIN REPAIR					X				OTHER			GS	1 1/2	1956
11-09	2/18/2009	NW	29	1N	15E	6196 CALLE DE LOMA	6	SERVICE REPAIR					X				POLY	3/4				1986
12-09	2/11/2009	NW	27	1N	15E	5865 RUSSELL ROAD	12	MAIN REPAIR					X				OTHER			AC	4	1970
13-09	2/17/2009	SW	22	1N	15E	727 ELM STREET	6	SERVICE REPAIR						X			PVC	3/4				1980
14-09	2/27/2009	SW	30	1N	15E	920 LIVE OAK STREET	4	SERVICE REPAIR						X			CU	3/4				1988
15-09	3/12/2009	SW	22	1N	15E	5460 APACHE HILLS	6	SERVICE REPAIR		X							PVC	1				1976
16-09	3/7/2009	SE	22	1N	15E	5675 MAIN STREET	6	SERVICE REPAIR		X							PVC	1				1975
17-09	3/13/2009	SW	30	1N	15E	143 N MIAMI AVENUE	8	SERVICE REPLACEMENT		X						1	CU	1				1980
18-09	3/15/2009	SW	27	1N	15E	5540 LANCASTER STREET	4	SERVICE REPLACEMENT					X				POLY	3/4				1970
19-09	3/4/2009	NW	29	1N	15E	6052 CLEVELAND	4	SERVICE REPAIR				X					POLY	3/4				1972
20-09	3/19/2009	SW	30	1N	15E	143 N MIAMI AVENUE	4	SERVICE REPAIR						X			POLY	3/4				1988
21-09	3/2/2009	NE	29	1N	15E	MORROW AVENUE	4	SERVICE REPAIR						X			POLY	3/4				1980
22-09	4/23/2009	SE	30	1N	15E	926 ROSE ROAD	4	SERVICE REPAIR		X							GS	1				1950
23-09	4/27/2009	SW	30	1N	15E	205 S ADONIS AVENUE	6	SERVICE REPAIR		X							PVC	3/4				1977
24-09	4/13/2009	SE	30	1N	15E	323 LOOMIS AVENUE	4	MAIN REPAIR		X							PVC			PVC	2	1969
25-09	4/20/2009	NW	29	1N	15E	5976 ADAMS STREET	4	SERVICE REPAIR					X				PVC	3/4				1972
26-09	4/30/2009	NW	30	1N	15E	512 W PINTO STREET	6	SERVICE REPAIR					X				PVC	1				1973
27-09	4/28/2009	SE	21	1N	15E	2370 E US HIGHWAY 60	4	SERVICE REPAIR					X				PVC	3/4				1961
28-09	4/30/2009	NW	30	1N	15E	310 N BURCH AVENUE	6	SERVICE REPAIR						X			PVC	3/4				1978
29-09	4/20/2009	NW	29	1N	15E	3619 E HAMILTON LANE	6	SERVICE REPAIR						X			PVC	3/4				1980
30-09	4/28/2009	SE	21	1N	15E	4247 BROADWAY STREET	6	SERVICE REPAIR						X			PVC	3/4				1979

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
31-09	4/8/2009	SW	27	1N	15E	6342 THOMASINA STREET	6	SERVICE REPAIR		X							PVC	3/4				1980
32-09	4/20/2009	SW	21	1N	15E	4335 BROADWAY STREET	6	SERVICE REPAIR		X							PVC	3/4				1980
33-09	4/14/2009	NW	27	1N	15E	5483 STORY STREET	4	SERVICE REPAIR		X							PVC	3/4				1978
34-09	4/21/2009	SE	21	1N	15E	5683 BROADWAY STREET	9	SERVICE REPLACEMENT				X				1	CU	3/4				1940
35-09	4/27/2009	SW	21	1N	15E	4462 BROADWAY STREET	8	SERVICE REPLACEMENT				X				1	GS	3/4				1940
36-09	5/19/2009	NW	22	1N	15E	842 1ST AVENUE	4	SERVICE REPAIR		X							POLY	3/4				1984
37-09	5/5/2009	NW	30	1N	15E	512 W PINTO STREET	2	SERVICE REPAIR		X							POLY	3/4				1984
38-09	5/2/2009	SW	30	1N	15E	412 LIVE OAK STREET	2	SERVICE REPAIR					X				POLY	3/4				1984
39-09	5/4/2009	NW	29	1N	15E	6090 MACKEY HILL	6	SERVICE REPAIR		X							POLY	3/4				1984
40-09	5/13/2009	SE	22	1N	15E	5638 CENTRAL AVENUE	6	SERVICE REPAIR		X							POLY	3/4				1973
41-09	5/12/2009	NW	23	1N	15E	1945 E US HIGHWAY 60	4	SERVICE REPAIR		X							POLY	3/4				1976
42-09	5/13/2009	SE	22	1N	15E	5687 GLOBE CANYON ROAD	6	SERVICE REPAIR		X							POLY	3/4				1970
43-09	5/27/2009	SE	22	1N	15E	5593 S GLENDALE AVENUE	6	SERVICE REPAIR						X			POLY	3/4				1973
44-09	5/31/2009	NW	29	1N	15E	5938 S CALLE DE LOMA	4	SERVICE REPAIR						X			POLY	3/4				1970
45-09	5/16/2009	SW	30	1N	15E	726 NASH AVENUE	6	SERVICE REPAIR						X			POLY	3/4				1977
46-09	5/27/2009	SW	30	1N	15E	415 MIAMI AVENUE	6	SERVICE REPLACEMENT						X		1	OTHER	3/4				1980
47-09	5/1/2009	NW	30	1N	15E	512 W PINTO STREET	4	SERVICE REPAIR						X			POLY	3/4				1974
48-09	5/6/2009	SW	21	1N	15E	4458 BROADWAY STREET	6	SERVICE REPLACEMENT						X		1	POLY	3/4				1974
49-09	5/26/2009	SE	22	1N	15E	5544 GLENDALE AVENUE	8	SERVICE REPAIR		X							POLY	3/4				1978
50-09	6/22/2009	SW	22	1N	15E	5359 YUMA TRAIL	6	SERVICE REPAIR		X							PVC	3/4				1977
51-09	6/22/2009	NE	29	1N	15E	6016 BERRY WAY	4	SERVICE REPAIR					X				PVC	3/4				1978
52-09	6/15/2009	SE	22	1N	15E	5588 S MCKINNEY AVENUE	6	SERVICE REPAIR		X							POLY	3/4				1973
53-09	6/13/2009	SE	22	1N	15E	5580 S MCKINNEY AVENUE	6	SERVICE REPAIR						X			POLY	3/4				1973
54-09	6/25/2009	SE	21	1N	15E	4635 E RAGUS ROAD	4	SERVICE REPAIR						X			GS	6				1969
55-09	6/17/2009	SE	22	1N	15E	5559 S MCKINNEY AVENUE	6	SERVICE REPAIR						X			POLY	3/4				1973
56-09	6/30/2009	SW	22	1N	15E	5558 ALBERTA DRIVE	4	SERVICE REPAIR		X							POLY	3/4				1975
57-09	6/22/2009	SE	22	1N	15E	5608 S MCKINNEY AVENUE	6	SERVICE REPAIR		X							POLY	3/4				1973
58-09	6/23/2009	NW	27	1N	15E	5515 STORY STREET	6	SERVICE REPAIR		X							POLY	3/4				1973
59-09	6/2/2009	SW	27	1N	15E	6441 S RUSSELL ROAD	6	SERVICE REPAIR		X							POLY	3/4				1973
60-09	6/1/2009	SW	15	1N	15E	5197 BORNITE LANE	8	SERVICE REPAIR		X							POLY	3/4				1973
61-09	6/10/2009	NW	27	1N	15E	5614 STORY STREET	4	SERVICE REPAIR		X							POLY	1				1970
62-09	6/12/2009	SE	22	1N	15E	5582 GLENDALE AVENUE	6	SERVICE REPAIR						X			POLY	3/4				1973
63-09	7/7/2009	SE	21	1N	15E	5555 S HOSPITAL DRIVE	12	MAIN REPAIR		X							POLY			POLY	6	1999
64-09	7/10/2009	SW	20	1N	15E	US HWY 60/ NEW STREET	12	MAIN REPAIR		X							OTHER			AC	6	1953
65-09	7/14/2009	SW	27	1N	15E	5549 SNEDDEN STREET	8	SERVICE REPAIR		X							POLY	3/4				1982
66-09	7/8/2009	NW	29	1N	15E	6167 WASHINGTON AVENUE	8	SERVICE REPAIR		X							POLY	3/4				1983
67-09	7/1/2009	SE	15	1N	15E	1018 ESTATE DRIVE	8	SERVICE REPAIR		X							POLY	3/4				1972
68-09	7/20/2009	SW	30	1N	15E	205 S ADONIS AVENUE	4	SERVICE REPAIR					X				POLY	3/4				1986
69-09	7/2/2009	SW	30	1N	15E	1009 ARTHUR STREET	6	MAIN REPAIR		X							POLY	1		POLY		1981
70-09	7/6/2009	NW	29	1N	15E	6062 CALLE DE LOMA	8	MAIN REPAIR		X							GS	2		GS		1956
71-09	7/8/2009	SW	30	1N	15E	326 N CHISHOLM AVENUE	6	SERVICE REPAIR					X				POLY	3/4				1987
72-09	7/6/2009	SE	30	1N	15E	318 LOOMIS AVENUE	8	MAIN REPAIR		X						1	PVC			PVC		1967

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
73-09	7/9/2009	SW	30	1N	15E	342 N CHISHOLM AVENUE	6	SERVICE REPAIR		X							POLY	3/4				1982
74-09	7/14/2009	SW	22	1N	15E	5611 BLOCK AVENUE SPACE 2 SUNRISE	8	SERVICE REPAIR					X				POLY	3/4				1988
75-09	7/29/2009	SW	15	1N	15E	4580 TURQUOISE DRIVE	8	SERVICE REPAIR		X							POLY	3/4				1973
76-09	7/16/2009	NW	22	1N	15E	1620 PALM LANE	6	SERVICE REPAIR					X				POLY	3/4				1975
77-09	8/25/2009	SE	22	1N	15E	6030 SHORT AVENUE	6	SERVICE REPAIR						X			PVC	3/4				1973
78-09	8/10/2009	NW	30	1N	15E	246 N SKYLINE TRAIL	6	SERVICE REPAIR						X			PVC	3/4				1984
79-09	8/5/2009	SE	32	1N	15E	2291 BIXBY ROAD	6	MAIN REPAIR						X		1	POLY			POLY	2	1970
80-09	8/6/2009	SE	22	1N	15E	5702 UPPER GLENDALE	8	SERVICE REPAIR		X							PVC	3/4				1973
81-09	8/10/2009	SE	30	1N	15E	300 S CHERRY FLATS ROAD #17	8	MAIN REPAIR		X							PVC	2		PVC	2	1973
82-09	8/3/2009	NW	29	1N	15E	6090 MACKEY'S HILL	6	SERVICE REPAIR		X							PVC	3/4				1969
83-09	8/7/2009	SE	21	1N	15E	MIAMI GARDENS/HOSPITAL DRIVE	8	MAIN REPLACEMENT					X				POLY		6	POLY	6	1999
84-09	8/13/2009	SE	22	1N	15E	5732 INSPIRATION DRIVE	8	SERVICE REPLACEMENT					X			1	GS	3/4				1955
85-09	8/20/2009	SE	22	1N	15E	6030 E SHORT AVENUE	6	SERVICE REPAIR		X							PVC	3/4				1980
86-09	8/18/2009	NW	27	1N	15E	5408 STORY STREET	6	SERVICE REPAIR		X							PVC	3/4				1975
87-09	8/20/2009	NE	5	1N	15E	4773 US HIGHWAY 188	6	SERVICE REPLACEMENT				X				1	PVC	3/4				1982
88-09	8/4/2009	SW	30	1N	15E	61 CHISHOLM AVENUE	6	SERVICE REPLACEMENT		X							PVC	1				1975
89-09	8/27/2009	SE	22	1N	15E	5767 GLOBE CANYON ROAD	8	SERVICE REPLACEMENT		X						1	PVC	3/4				1978
90-09	8/11/2009	SW	22	1N	15E	5238 GOLDEN HILL ROAD	6	SERVICE REPAIR		X							PVC	3/4				1978
91-09	8/6/2009	NW	30	1N	15E	376 MIAMI AVENUE	6	SERVICE REPAIR					X				PVC	3/4				1975
92-09	8/31/2009	SE	30	1N	15E	353 LOOMIS AVENUE	9	MAIN REPAIR		X							PVC			PVC	2	1969
93-09	8/20/2009	SE	22	1N	15E	5594 S MCKINNEY AVENUE	6	SERVICE REPAIR		X							PVC	3/4				1978
94-09	9/10/2009	SW	30	1N	15E	205 S ADONIS AVENUE	4	SERVICE REPAIR		X							PVC	3/4				1977
95-09	9/15/2009	SW	30	1N	15E	805 SULLIVAN STREET	6	SERVICE REPAIR					X				PVC	3/4				1977
96-09	9/2/2009	NW	29	1N	15E	6090 MACKEY'S HILL	4	SERVICE REPAIR					X				PVC	3/4				1978
97-09	9/8/2009	NW	28	1N	15E	5973 PALMER LAND	6	SERVICE REPAIR					X				PVC	3/4				1977
98-09	9/14/2009	SE	30	1N	15E	MOUNTAIN VIEW DRIVE	4	SERVICE REPAIR					X				PVC	3/4				1977
99-09	9/25/2009	SE	22	1N	15E	5651 ENGLISH AVENUE	6	SERVICE REPAIR		X							PVC	3/4				1977
00-09	9/24/2009	NW	29	1N	15E	3670 US HIGHWAY 60	12	MAIN REPAIR						X			GS			GS	3	1955
01-09	9/21/2009	SW	27	1N	15E	5587 LANCASTER STREET	6	SERVICE REPAIR						X			POLY	3/4				1949
02-09	9/29/2009	SE	22	1N	15E	5922 SCOTT AVENUE	6	SERVICE REPAIR		X							POLY	3/4				1972
03-09	9/28/2009	NE	6	1N	15E	HWY 188 APACHE TRAIL	6	SERVICE REPAIR					X				POLY	1				1982
04-09	9/22/2009	SW	27	1N	15E	5549 SNEDDEN STREET	10	SERVICE REPLACEMENT		X						1	POLY	3/4				1949
05-09	9/16/2009	SW	27	1N	15E	5549 SNEDDEN STREET	6	SERVICE REPAIR					X				POLY	3/4				1949
06-09	9/25/2009	SW	22	1N	15E	5304 E NIELSON STREET	4	SERVICE REPAIR					X				POLY	3/4				1971
07-09	9/25/2009	SE	30	1N	15E	3333 LOOMIS AVENUE	6	MAIN REPAIR		X							PVC			PVC	2	1935
08-09	9/21/2009	SE	30	1N	15E	342 LOOMIS AVENUE		MAIN REPAIR					X				PVC			PVC	2	1935
09-09	9/29/2009	SE	30	1N	15E	300 S CHERRY FLATS ROAD #27	9	SERVICE REPAIR		X							POLY	3/4				1973
10-09	9/21/2009	NW	22	1N	15E	949 CYPRESS DRIVE	9	SERVICE REPAIR		X							POLY	3/4				1949
11-09	9/17/2009	NW	22	1N	15E	718 PAXTON AVENUE	9	SERVICE REPAIR					X				POLY	3/4				1952
12-09	9/9/2009	NW	28	1N	15E	5973 GLOBE STREET	6	SERVICE REPAIR					X				POLY	3/4				1968
13-09	9/15/2009	NW	29	1N	15E	3778 E JEFFERSON STREET	6	SERVICE REPAIR		X							POLY	3/4				1936
14-09	9/15/2009	NW	27	1N	15E	5488 E STORY STREET	6	SERVICE REPAIR					X				POLY	3/4				1956

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
15-09	10/6/2009	NW	29	1N	15E	5928 S LONG STREET	4	SERVICE REPAIR						X			POLY	1				1980
16-09	10/15/2009	SW	30	1N	15E	604 SULLIVAN STREET	4	SERVICE REPAIR						X			GS	3/4				1932
17-09	10/6/2009	SE	22	1N	15E	5629 E ENGLISH AVENUE	8	SERVICE REPAIR						X			GS	1				1975
18-09	10/21/2009	NE	30	1N	15E	323 LOOMIS AVENUE	4	MAIN REPAIR		X							PVC			PVC	2	1953
19-09	10/29/2009	SW	30	1N	15E	920 LIVE OAK STREET	6	SERVICE REPAIR					X				CU	3/4			3/4	1987
20-09	10/28/2009	NW	29	1N	15E	6031 MARION CANYON STREET	6	MAIN REPAIR		X							PVC			PVC	2	1970
21-09	10/20/2009	SE	22	1N	15E	5681 S CENTRAL AVENUE	6	SERVICE REPAIR		X							POLY	3/4				1979
22-09	10/14/2009	SE	22	1N	15E	5621 S CENTRAL AVENUE	6	SERVICE REPAIR		X							POLY	3/4				1979
23-09	10/1/2009	SW	22	1N	15E	5218 YOUNG STREET & ALBERTA	2	MAIN REPAIR		X							POLY				2	1973
24-09	10/14/2009	SE	22	1N	15E	5717 COBB AVENUE	6	SERVICE REPAIR		X							POLY	3/4				1979
25-09	10/6/2009	NW	28	1N	15E	4341 GLOBE AVENUE	4	SERVICE REPAIR		X							POLY	3/4				1976
26-09	11/6/2009	NW	29	1N	15E	5950 S CALLE DE LOMA	4	SERVICE REPAIR					X				POLY	3/4				1986
27-09	11/5/2009	SW	30	1N	15E	1041 LIVE OAK STREET	2	SERVICE REPAIR					X				CU	3/4				1988
28-09	11/19/2009	SW	22	1N	15E	5482 ALBERTA DRIVE	4	SERVICE REPAIR		X							POLY	3/4				1984
29-09	11/10/2009	SE	20	1N	15E	4247 BROADWAY STREET	4	MAIN REPAIR		X							OTHER			AC	6	1965
30-09	11/24/2009	NE	22	1N	15E	783 W PICAHO DRIVE	4	SERVICE REPAIR		X							POLY	3/4				1982
31-09	11/23/2009	SE	15	1N	15E	61 AGASSIZ TERRACE	8	MAIN REPAIR						X			OTHER			AC	6	1975
32-09	11/30/2009	SW	22	1N	15E	5558 ALBERTA DRIVE	6	MAIN REPLACEMENT						X			PVC		6	PVC	1	1979
33-09	11/10/2009	NE	22	1N	15E	1464 KOTOR DRIVE	6	MAIN REPLACEMENT						X			OTHER		10"	AC	6	1985
34-09	11/6/2009	NE	29	1N	15E	5973 N GLOBE AVENUE	4	SERVICE REPAIR					X				PVC	3/4				1984
35-09	11/12/2009	NE	29	1N	15E	4350 GLOBE STREET	4	SERVICE REPAIR					X				PVC	3/4				1980
36-09	11/9/2009	SW	30	1N	15E	835 SMITH STREET	6	SERVICE REPAIR					X				CU	3/4				1978
37-09	11/18/2009	SE	22	1N	15E	5464 LORI LANE	4	SERVICE REPAIR		X							PVC	3/4				1972
38-09	11/18/2009	SE	22	1N	15E	5759 MOUNTAIN VIEW	6	MAIN REPAIR		X							GS	3		GS		
39-09	11/19/2009	SE	30	1N	15E	300 S CHERRY FLATS ROAD #34	4	MAIN REPAIR					X				PVC			PVC	1	1973
40-09	11/19/2009	SE	22	1N	15E	5577 CENTRAL AVENUE	4	SERVICE REPAIR					X				PVC	3/4				1979
41-09	11/30/2009	SE	22	1N	15E	5672 MAIN STREET	6	MAIN REPAIR		X							GS			GS	1 1/2	1945
42-09	11/24/2009	NW	29	1N	15E	MARION CANYON STREET & RAILROAD AVE	6	MAIN REPAIR		X							PVC			PVC	2	1980
43-09	11/20/2009	SW	30	1N	15E	220 S PROSPECT AVENUE	6	SERVICE REPAIR		X							PVC	3/4				1979
44-09	11/30/2009	SE	22	1N	15E	5581 S MCKINNEY AVENUE	4	SERVICE REPAIR		X							PVC	3/4				1979
45-09	11/30/2009	SE	30	1N	15E	LATHAM BOULEVARD/ HIGHWAY 60	4	MAIN REPAIR					X				GS			GS	4	1930
46-09	11/12/2009	SE	32	2N	15E	1742 BIXBY ROAD	4	MAIN REPAIR					X				OTHER			POLY	2	2004
47-09	12/21/2009	NW	30	1N	15E	310 N BURCH STREET	6	MAIN REPAIR		X							GS			GS	2	1932
48-09	12/18/2009	NE	30	1N	15E	218 E HARDY STREET	9	MAIN REPAIR		X							CU			CU	6	1979
49-09	12/9/2009	NW	29	1N	15E	6090 MACKEY HILL	6	SERVICE REPAIR		X							PVC	3/4				1969
50-09	12/7/2009	SE	30	1N	15E	300 S CHERRY FLATS ROAD #34	4	MAIN REPAIR		X							GS			PVC	1	1973
51-09	12/9/2009	NW	29	1N	15E	6026 PORTO RICO CANYON	6	SERVICE REPAIR		X							PVC	3/4				1972
52-09	12/8/2009	NW	29	1N	15E	6026 PORTO RICO CANYON	4	SERVICE REPAIR		X							PVC	3/4				1972
53-09	12/1/2009	SW	22	1N	15E	5211 E YOUNG STREET	6	MAIN REPAIR						X			POLY			PVC	1	1977
54-09	12/22/2009	SE	22	1N	15E	CENTRAL DRIVE/MONROE	12	MAIN REPAIR						X			GS			GS	2	1933
55-09	12/15/2009	SE	22	1N	15E	ROBERTS DRIVE/MAIN	3	MAIN REPAIR						X			GS			GS	2	1945
56-09	12/27/2009	SW	15	1N	15E	4564 TURQUOISE LANE	9	SERVICE REPAIR						X			PVC	3/4				1973

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57-09	12/26/2009	SW	30	1N	15E	510 SULLIVAN STREET	2	SERVICE REPAIR						X			CU	3/4				1932
58-09	12/31/2009	SE	22	1N	15E	5638 ROBERTS DRIVE	9	SERVICE REPAIR						X			GS	3/4				1952
59-09	12/20/2009	NW	29	1N	15E	CALLE DE LOMA/JEFFERSON	9	MAIN REPAIR						X			GS			GS	2	1950
60-09	12/14/2009	NW	22	1N	15E	HOPE LANE/RUSSELL ROAD	6	MAIN REPAIR		X							OTHER			AC	2	1967
61-09	12/21/2009	NE	30	1N	15E	218 E HARDY STREET	7	SERVICE REPAIR					X				POLY	3/4				1979
62-09	12/23/2009	NW	31	1N	15E	249 S TOWELS AVENUE	6	SERVICE REPAIR		X							POLY	3/4				1932
63-09	12/17/2009	SE	22	1N	15E	4805 E US HIGHWAY 60	6	SERVICE REPAIR		X							POLY	3/4				1961
64-09	12/31/2009	SW	30	1N	15E	198 N CHISHOLM AVENUE	6	SERVICE REPAIR		X							PVC	3/4				1977
65-09	12/31/2009	SW	27	1N	15E	5480 SNEDDEN STREET	6	SERVICE REPAIR					X				PVC	3/4				1977
66-09	12/31/2009	SW	20	1N	15E	NEW STREET	6	SERVICE REPAIR					X				GS	3/4				1955
01-10	1/6/2010	SE	22	1N	15E	5598 CENTRAL DRIVE	9	MAIN REPAIR		X										AC	6	1955
02-10	1/15/2010	NW	31	1N	15E	249 S TOWELS AVENUE	6	MAIN REPAIR						X						GAL	3	1936
03-10	1/21/2010	NW	36	1N	14E	400' NE OF MACKEY CAMP ROAD	8	MAIN REPAIR						X						ST	6	1960
04-10	1/7/2010	NW	30	1N	15E	310 N BURCH STREET	4	MAIN REPAIR						X						GAL	2	1932
05-10	1/12/2010	SE	15	1N	15E	33 CHAPARRAL LOOP	6	MAIN REPAIR						X						AC	4	1972
06-10	1/4/2010	SW	27	1N	15E	5549 SNEDDEN STREET	4	SERVICE REPAIR						X			POLY	3/4				1978
07-10	1/4/2010	SE	22	1N	15E	244 ROBERTS DRIVE	3	SERVICE REPAIR						X			POLY	1				1979
08-10	1/4/2010	SW	30	1N	15E	244 N CHISHOLM AVENUE	2	SERVICE REPAIR						X			POLY	3/4				1976
09-10	1/8/2010	SW	30	1N	15E	726 NASH AVENUE	6	SERVICE REPAIR					X				POLY	3/4				1971
10-10	1/8/2010	SE	25	1N	14E	E-53 DAVIS CANYON	6	SERVICE REPAIR					X				GS	3/4				1949
11-10	1/30/2010	NE	30	1N	15E	251 S LINDEN AVENUE	2	SERVICE REPAIR					X				POLY	3/4				1986
12-10	2/1/2010	NW	29	1N	15E	6085 S EUCLID DRIVE	2	SERVICE REPAIR					X				POLY	3/4				1980
13-10	2/9/2010	SE	22	1N	15E	5559 S MCKINNEY AVENUE	2	SERVICE REPAIR		X							POLY	3/4				1980
14-10	2/25/2010	NW	31	1N	15E	1182 FREDERICK STREET	2	SERVICE REPAIR		X							POLY	3/4				1978
15-10	2/10/2010	SW	30	1N	15E	283 N DAVIS CANYON LOOP	3	SERVICE REPAIR						X			POLY	3/4				1976
16-10	2/11/2010	SE	34	1N	15E	5830 QUAIL RUN	4	MAIN REPAIR						X						POLY	2	1998
17-10	2/11/2010	SE	22	1N	15E	5735 E BOYLES AVENUE	2	SERVICE REPAIR						X			POLY	3/4				1980
18-10	2/12/2010	SW	30	1N	15E	722 W LIVE OAK STREET	1	SERVICE REPAIR						X			CU	3/4				1988
19-10	2/12/2010	SW	30	1N	15E	722 W LIVE OAK STREET	1	SERVICE REPAIR						X			CU	3/4				1988
20-10	2/16/2010	NW	36	1N	15E	60' SW OF MACKEY CAMP ROAD	6	MAIN REPAIR						X						ST	6	1970
21-10	2/17/2010	NW	31	1N	15E	262 S TOWELS AVENUE	9	MAIN REPAIR						X						ST	3	1932
22-10	2/3/2010	SW	30	1N	15E	768 W PERSHING CIRCLE	2	MAIN REPAIR						X						ST	8	1932
23-10	2/22/2010	SE	22	1N	15E	6030 SHORT AVENUE	4	SERVICE REPAIR						X			POLY	3/4				1976
24-10	2/4/2010	SE	21	1N	15E	5634 RUSSEL ROAD	6	MAIN REPAIR						X						GAL	2	1970
25-10	2/8/2010	SW	30	1N	15E	700 W LIVE OAK STREET	2	SERVICE REPAIR						X			CU	3/4				1988
26-10	2/3/2010	SE	30	1N	15E	300 S CHERRY FLATS ROAD #34	4	MAIN REPAIR					X							POLY	1	1990
27-10	2/5/2010	NW	29	1N	15E	6052 S CLEVELAND AVENUE	4	SERVICE REPAIR					X				POLY	3/4				1982
28-10	2/1/2010	NW	29	1N	15E	6118 S CALLE DE LOMA	4	SERVICE REPAIR					X				POLY	3/4				1984
29-10	3/4/2010	SW	15	1N	15E	5196 BORNITE LANE	2	SERVICE REPLACEMENT		X						1	POLY	3/4				1980
30-10	3/26/2010	NW	28	1N	15E	5973 GLOBE AVENUE	2	SERVICE REPAIR					X				POLY	3/4				1980
31-10	3/25/2010	SW	4	1N	15E	.5 MILES WEST OF HOOPES ROAD & BIXBY ROAD	6	SERVICE REPAIR					X				OTHER	3				1980
32-10	3/18/2010	NW	31	1N	15E	1182 W FREDERICK STREET	4	SERVICE REPAIR					X				POLY	3/4				1980

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
33-10	3/29/2010	SW	30	1N	15E	700 W LIVE OAK STREET	1	SERVICE REPAIR					X				CU	3/4				1980
34-10	3/5/2010	SW	15	1N	15E	4564 TURQUOISE LANE	3	SERVICE REPLACEMENT						X		1	POLY	3/4				1980
35-10	3/24/2010	SE	22	1N	15E	6035 SHORT AVENUE	3	SERVICE REPAIR						X			POLY	1				1980
36-10	3/2/2010	SE	34	1N	15E	5830 QUAIL RUN	6	OTHER		X							PVC	3/4				1980
37-10	3/3/2010	SW	30	1N	15E	209 S FOREST AVENUE	4	SERVICE REPAIR		X							POLY	3/4				1979
38-10	3/30/2010	SE	22	1N	15E	6021 SHORT AVENUE	8	SERVICE REPAIR		X							POLY	3/4				1980
39-10	3/26/2010	SE	22	1N	15E	5737 MOUNTAIN VIEW DRIVE	4	SERVICE REPAIR					X				POLY	3/4				1980
40-10	4/13/2010	SW	21	1N	15E	5688 S OLD OAK STREET	2	SERVICE REPAIR		X							POLY	3/4				1976
41-10	4/28/2010	SW	30	1N	15E	708 W LIVE OAK STREET	3	SERVICE REPAIR		X							POLY	1				1988
42-10	4/18/2010	SW	22	1N	15E	5211 YOUNG STREET	4	SERVICE REPAIR					X				POLY	1				1990
43-10	4/9/2010	SE	32	1N	15E	2291 N BIXBY ROAD	6	MAIN REPAIR					X							POLY	2	1980
44-10	4/15/2010	SW	22	1N	15E	5359 YUMA TRAIL	2	SERVICE REPAIR		X							POLY	3/4				1978
45-10	4/7/2010	SW	15	1N	15E	5197 BORNITE LANE	3	SERVICE REPAIR		X							POLY	3/4				1980
46-10	4/6/2010	SW	30	1N	15E	234 CHISHOLM AVENUE	2	SERVICE REPAIR		X							POLY	1				1972
47-10	4/9/2010	SE	32	1N	15E	2291 N BIXBY ROAD	6	MAIN REPAIR		X										POLY	2	1980
48-10	4/30/2010	SW	30	1N	15E	726 N NASH AVENUE	2	SERVICE REPAIR						X			POLY	3/4				1977
49-10	4/2/2010	SW	30	1N	15E	305 W LIVE OAK STREET	2	SERVICE REPAIR						X			CU	3/4				1982
50-10	4/2/2010	NE	29	1N	15E	5973 GLOBE AVENUE	2	SERVICE REPAIR						X			POLY	3/4				1984
51-10	4/21/2010	SE	32	1N	15E	2291 N BIXBY ROAD	6	MAIN REPAIR						X						POLY	2	1996
52-10	4/18/2010	SW	22	1N	15E	5558 ALBERTA DRIVE	3	SERVICE REPAIR						X			POLY	1				1990
53-10	4/16/2010	SE	32	1N	15E	2291 N BIXBY ROAD	6	MAIN REPAIR						X						PVC	2	1998
54-10	4/8/2010	SW	27	1N	15E	5443 SNEDDEN STREET	6	SERVICE REPAIR		X							POLY	3/4				1976
55-10	4/29/2010	SW	30	1N	15E	1034 CEDAR AVENUE	6	SERVICE REPAIR					X				POLY	3/4				1979
56-10	4/9/2010	SW	30	1N	15E	708 W LIVE OAK STREET	6	SERVICE REPAIR					X				POLY	3/4				1979
57-10	4/1/2010	SE	25	1N	14E	1300 LIVE OAK STREET	6	SERVICE REPAIR		X							CU	3/4				1991
58-10	5/7/2010	SW	30	1N	15E	821 W LIVE OAK STREET	4	OTHER					X				POLY	3/4				1990
59-10	5/14/2010	SE	30	1N	15E	201 SUNSET AVENUE	2	SERVICE REPAIR					X				POLY	3/4				1988
60-10	5/1/2010	SW	30	1N	15E	198 N CHISHOLM AVENUE	4	SERVICE REPLACEMENT					X			1	POLY	3/4				1977
61-10	5/1/2010	NW	29	1N	15E	6240 DAIRY CANYON	2	MAIN REPAIR					X							POLY	2	1969
62-10	5/28/2010	SW	22	1N	15E	5201 YOUNG STREET	6	MAIN REPAIR					X							POLY	1	1979
63-10	5/12/2010	SW	21	1N	15E	100 S RAGUS ROAD	8	SERVICE REPLACEMENT		X						1	OTHER	6				1991
64-10	5/26/2010	NW	30	1N	15E	262 MAKENZIE STREET	6	MAIN REPAIR		X										POLY	1	1966
65-10	5/5/2010	NW	22	1N	15E	5985 ELECTRIC DRIVE	4	SERVICE REPAIR					X				POLY	1				1977
66-10	5/20/2010	SE	22	1N	15E	5571 S MCKINNEY AVENUE	6	SERVICE REPAIR		X							POLY	3/4				1980
67-10	5/21/2010	SE	21	1N	15E	5555 S HOSPITAL DRIVE	6	MAIN REPAIR		X										POLY	6	1997
68-10	5/25/2010	SW	15	1N	15E	4564 TURQUOISE DRIVE	6	SERVICE REPAIR		X							POLY	3/4				1973
69-10	5/28/2010	NW	31	1N	15E	249 TOWELS AVENUE	9	MAIN REPAIR		X										GAL	3	1936
70-10	5/28/2010	SW	30	1N	15E	256 ADONIS AVENUE	6	SERVICE REPAIR		X							POLY	3/4				1977
71-10	5/25/2010	SW	27	1N	15E	5531 SNEDDEN STREET	6	SERVICE REPAIR		X							POLY	3/4				1977
72-10	5/5/2010	SW	22	1N	15E	5408 RUSSELL ROAD	6	SERVICE REPAIR					X				POLY	3/4				1970
73-10	5/5/2010	SW	27	1N	15E	5469 PINAL CANYON DRIVE	4	SERVICE REPAIR		X							GS	1				1942
74-10	5/27/2010	NE	29	1N	15E	5928 LONG STREET	6	SERVICE REPAIR		X							POLY	1				1983

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
75-10	5/27/2010	SE	22	1N	15E	5691 GLENDALE AVENUE	6	SERVICE REPAIR		X							POLY	3/4				1971
76-10	5/18/2010	SE	22	1N	15E	5626 COBB AVENUE	6	SERVICE REPAIR		X							POLY	3/4				1980
77-10	5/18/2010	SE	22	1N	15E	5694 S MCKINNEY AVENUE	2	SERVICE REPAIR		X							POLY	3/4				1980
78-10	5/26/2010	NW	27	1N	15E	5514 STORY STREET	4	SERVICE REPAIR						X			POLY	3/4				1978
79-10	5/20/2010	SE	22	1N	15E	5889 E MONROE PLACE	2	SERVICE REPAIR						X			POLY	3/4				1980
80-10	5/7/2010	SW	30	1N	15E	927 LIVE OAK STREET	6	OTHER		X							POLY	3/4				1974
81-10	5/17/2010	NE	29	1N	15E	5928 S LONG STREET	2	SERVICE REPAIR		X							POLY	3/4				1988
82-10	6/10/2010	NW	28	1N	15E	5973 GLOBE AVENUE	3	SERVICE REPAIR					X				POLY	3/4				1980
83-10	6/26/2010	NE	30	1N	15E	198 LOOMIS AVENUE	2	SERVICE REPAIR					X				POLY	3/4				1984
84-10	6/21/2010	SW	30	1N	15E	5662 CENTRAL AVENUE	6	MAIN REPAIR		X										PVC	2	1990
85-10	6/8/2010	SE	22	1N	15E	5608 CENTRAL AVENUE	4	SERVICE REPAIR		X							POLY	3/4				1984
86-10	6/18/2010	SE	32	1N	15E	2008 BIXBY ROAD	4	SERVICE REPAIR						X			POLY	3/4				1988
87-10	6/22/2010	NE	5	1N	15E	42 APACHE TRAIL	6	SERVICE REPAIR					X				POLY	3/4				1978
88-10	6/8/2010	NW	28	1N	15E	5973 GLOBE AVENUE	4	SERVICE REPAIR					X				POLY	3/4				1982
89-10	6/2/2010	SE	20	1N	15E	4089 RAILROAD AVENUE	2	SERVICE REPAIR		X							POLY	3/4				1982
90-10	6/21/2010	SW	30	1N	15E	198 N CHISHOLM AVENUE	2	SERVICE REPAIR		X							POLY	3/4				1984
91-10	6/29/2010	NW	31	1N	15E	1206 TOWELS AVENUE	9	MAIN REPAIR		X										ST	3	1936
92-10	6/29/2010	SE	15	1N	15E	626 OLD MOUNTAIN ROAD	6	SERVICE REPAIR		X							POLY	1				1986
93-10	6/9/2010	SW	21	1N	15E	5850 MAPLE LEAF STREET	4	SERVICE REPAIR						X			POLY	3/4				1980
94-10	6/30/2010	SW	21	1N	15E	5800 COPPER STREET	4	SERVICE REPAIR						X			POLY	3/4				1988
95-10	6/12/2010	SW	27	1N	15E	5480 SNEDDEN STREET	3	SERVICE REPAIR						X			POLY	1				1984
96-10	6/25/2010	NW	29	1N	15E	6019 MARION CANYON STREET	6	MAIN REPAIR		X										PVC	2	1990
97-10	6/22/2010	NW	30	1N	15E	262 N MCKENZIE AVENUE	6	MAIN REPAIR		X										POLY	1	1990
98-10	6/29/2010	SE	30	1N	15E	300 S CHERRY FLATS ROAD #40	3	SERVICE REPAIR		X							POLY	3/4				1984
99-10	6/23/2010	SW	27	1N	15E	6342 THOMASINA STREET	2	SERVICE REPAIR		X							POLY	3/4				1984
00-10	6/30/2010	SE	22	1N	15E	5884 SCOTT AVENUE	2	SERVICE REPAIR		X							POLY	3/4				1988
01-10	6/10/2010	SE	32	1N	15E	1851 BIXBY ROAD	6	MAIN REPAIR		X										PVC	2	2000
02-10	6/7/2010	SW	30	1N	15E	505 GIBSON (ORPHAN) STREET	2	SERVICE REPAIR		X							POLY	3/4				1980
03-10	6/2/2010	SE	22	1N	15E	5564 GLENDALE AVENUE	4	SERVICE REPAIR		X							POLY	3/4				1982
04-10	6/16/2010	NW	27	1N	15E	5462 HUIE STREET	4	SERVICE REPAIR						X			POLY	1				1978
05-10	6/3/2010	SE	32	1N	15E	2291 N BIXBY ROAD	6	MAIN REPAIR						X						PVC	2	2000
06-10	6/17/2010	SE	32	1N	15E	2291 N BIXBY RANCH	6	MAIN REPAIR						X						PVC	2	2000
07-10	6/18/2010	SE	32	1N	15E	14755 S HIGHWAY 188	4	SERVICE REPAIR						X			POLY	3/4				1988
08-10	6/7/2010	NW	31	1N	15E	249 S TOWELS AVENUE	9	MAIN REPAIR						X						ST	3	1936
09-10	6/8/2010	SE	32	1N	15E	2291 N BIXBY ROAD	6	MAIN REPAIR						X						POLY	2	2000
10-10	6/7/2010	SE	22	1N	15E	2291 N BIXBY ROAD	6	MAIN REPAIR						X						POLY	2	2000
11-10	6/14/2010	NW	28	1N	15E	5973 GLOBE AVENUE	4	SERVICE REPAIR					X				POLY	3/4				1986
12-10	6/18/2010	NW	29	1N	15E	6027 MARION CANYON STREET	4	SERVICE REPAIR		X							POLY	3/4				1990
13-10	6/9/2010	NW	27	1N	15E	5514 STORY STREET	4	SERVICE REPAIR		X							POLY	1				1988
14-10	7/19/2010	NW	28	1N	15E	5973 GLOBE AVENUE	6	SERVICE REPAIR					X				POLY	3/4				1978
15-10	7/9/2010	SW	30	1N	15E	202 CHISHOLM AVENUE	4	SERVICE REPAIR		X							POLY	3/4				1982
16-10	7/14/2010	SE	30	1N	15E	3040 HILLCREST AVENUE	4	SERVICE REPAIR					X				POLY	3/4				1986

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
17-10	7/20/2010	NW	28	1N	15E	5973 GLOBE AVENUE	6	SERVICE REPAIR					X				POLY	3/4				1980
18-10	7/7/2010	NW	29	1N	15E	4120 DAIRY CANYON ROAD	6	SERVICE REPAIR		X							POLY	3/4				1969
19-10	7/26/2010	NW	27	1N	15E	5514 STORY STREET	6	SERVICE REPAIR					X				POLY	1				1980
20-10	7/6/2010	SW	22	1N	15E	5211 E YOUNG STREET	6	MAIN REPAIR					X							POLY	1	1990
21-10	7/22/2010	NE	29	1N	15E	5928 LONG STREET	9	MAIN REPAIR					X							POLY	1	1990
22-10	7/21/2010	NE	36	1N	14E	1367 W LIVE OAK STREET	6	MAIN REPAIR					X							ST	6	1987
23-10	7/27/2010	NW	29	1N	15E	3435 RAILROAD AVENUE	4	SERVICE REPAIR					X				POLY	3/4				1980
24-10	7/19/2010	SE	30	1N	15E	175 E GRANDVIEW STREET	9	SERVICE REPAIR					X				POLY	3/4				1988
25-10	7/27/2010	SW	30	1N	15E	505 ORPHAN STREET	6	SERVICE REPAIR					X				POLY	3/4				1978
26-10	7/27/2010	SW	30	1N	15E	198 N CHISHOLM AVENUE	6	SERVICE REPAIR					X				POLY	3/4				1978
27-10	7/9/2010	SE	21	1N	15E	5555 S HOSPITAL DRIVE	12	MAIN REPAIR		X										POLY	6	1997
28-10	7/16/2010	SE	30	1N	15E	287 S SUNNYSLOPE AVENUE	6	SERVICE REPAIR		X							POLY	3/4				1990
29-10	7/2/2010	SE	20	1N	15E	4198 LOCOMOTIVE DRIVE	6	SERVICE REPAIR		X							POLY	3/4				1984
30-10	7/7/2010	NW	29	1N	15E	3451 MILL STREET	4	SERVICE REPAIR		X							POLY	3/4				1980
31-10	7/7/2010	NE	29	1N	15E	5962 GROVER CANYON	6	SERVICE REPAIR		X							POLY	3/4				1980
32-10	7/16/2010	NE	30	1N	15E	239 S. HIGHLAND AVENUE	6	SERVICE REPAIR		X							POLY	3/4				1980
33-10	7/30/2010	NW	29	1N	15E	6027 MARION CANYON STREET	8	MAIN REPAIR		X										PVC	2	1970
34-10	7/16/2010	SW	27	1N	15E	5480 SNEDDEN STREET	6	SERVICE REPAIR		X							POLY	3/4				1978
35-10	7/1/2010	SE	22	1N	15E	5884 SCOTT AVENUE	4	SERVICE REPAIR						X			POLY	3/4				1984
36-10	7/5/2010	SE	20	1N	15E	4180 LOCOMOTIVE DRIVE	9	SERVICE REPAIR						X			POLY	3/4				1982
37-10	7/8/2010	NW	29	1N	15E	6076 MACKEY HILL	6	SERVICE REPAIR						X			POLY	3/4				1969
38-10	7/28/2010	SE	32	1N	15E	2291 N BIXBY ROAD	6	MAIN REPAIR						X						PVC	2	2000
39-10	7/30/2010	SE	22	1N	15E	6030 SHORT AVENUE	2	SERVICE REPAIR						X			POLY	3/4				1979
40-10	7/30/2010	SE	32	2N	15E	2291 N BIXBY ROAD	6	MAIN REPAIR						X						PVC	2	2000
41-10	7/20/2010	NW	36	1N	14E	400' NE OF MACKEY'S CAMP ROAD	5	MAIN REPAIR					X							ST	6	1955
42-10	8/16/2010	SE	22	1N	15E	5464 LORI LANE	4	SERVICE REPAIR					X				POLY	3/4				1980
43-10	8/13/2010	SE	22	1N	15E	5847 MONROE PLACE	3	MAIN REPAIR					X							GAL	1 1/2	1940
44-10	8/16/2010	SE	22	1N	15E	5721 S. CENTRAL DRIVE	4	SERVICE REPAIR					X				POLY	3/4				1979
45-10	8/23/2010	NW	29	1N	15E	6090 MACKEY HILL	6	SERVICE REPAIR					X				POLY	3/4				1980
46-10	8/9/2010	NW	28	1N	15E	5928 LONG STREET	4	SERVICE REPAIR					X				POLY	3/4				1979
47-10	8/23/2010	NW	29	1N	15E	3451 MILL STREET	6	SERVICE REPAIR					X				POLY	3/4				1978
48-10	8/23/2010	NE	30	1N	15E	160 KENT STREET	5	SERVICE REPAIR		X							POLY	3/4				1979
49-10	8/14/2010	SW	27	1N	15E	5444 SNEDDEN STREET	6	SERVICE REPAIR		X							POLY	3/4				1980
50-10	8/9/2010	SW	22	1N	15E	5558 ALBERTA DRIVE	6	SERVICE REPLACEMENT		X						1	POLY	1				1980
51-10	8/13/2010	NW	22	1N	15E	702 PAXTON AVENUE	4	SERVICE REPAIR		X							POLY	3/4				1979
52-10	8/19/2010	SW	27	1N	15E	LANCASTER STREET & RUSSELL ROAD	27	MAIN REPLACEMENT		X									4	AC	4	1949
53-10	8/18/2010	SW	22	1N	15E	ROBERTS DRIVE & RUSSELL ROAD	105	MAIN REPLACEMENT		X									3	AC	6	1956
54-10	8/6/2010	SW	27	1N	15E	5480 SNEDDEN STREET	8	SERVICE REPAIR		X							POLY	3/4				1978
55-10	8/4/2010	SE	22	1N	15E	6021 SHORT AVENUE	4	SERVICE REPAIR						X			POLY	1				1980
56-10	8/10/2010	SW	30	1N	15E	137 S MIAMI AVENUE	6	SERVICE REPAIR						X			CU	3/4				1980
57-10	8/10/2010	SE	22	1N	15E	5464 LORI LANE	6	SERVICE REPAIR						X			POLY	1				1980
58-10	8/24/2010	NW	27	1N	15E	HOPE LANE & RUSSELL ROAD	12	MAIN REPLACEMENT						X					4	AC	4	1956

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59-10	8/31/2010	SW	22	1N	15E	5454 S ALCOTT DRIVE	6	MAIN REPAIR		X										POLY	1	1970
60-10	9/12/2010	SE	22	1N	15E	CENTRAL AVE & MONROE	5	MAIN REPAIR					X							POLY	1	1980
61-10	9/14/2010	NE	29	1N	15E	5928 LONG STREET	6	SERVICE REPLACEMENT		X						1	POLY	3/4				1980
62-10	9/20/2010	SW	27	1N	15E	5514 STORY STREET	6	SERVICE REPAIR					X				POLY	3/4				1978
63-10	9/17/2010	SE	22	1N	15E	5600 S MCKINNEY AVENUE	4	SERVICE REPAIR					X				POLY	3/4				1979
64-10	9/16/2010	SW	15	1N	15E	5197 BORNITE LANE	9	SERVICE REPAIR		X							POLY	3/4				1979
65-10	9/15/2010	SW	30	1N	15E	172 S FOREST AVENUE	6	SERVICE REPAIR					X				POLY	3/4				1979
66-10	9/30/2010	SW	15	1N	15E	5197 BORNITE LANE	5	SERVICE REPAIR					X				POLY	3/4				1979
67-10	9/29/2010	NW	29	1N	15E	6049 MARION CANYON STREET	10	MAIN REPLACEMENT		X									4	PVC	2	1979
68-10	9/30/2010	SW	30	1N	15E	209 S REPPY AVENUE	4	SERVICE REPAIR		X							POLY	3/4				1979
69-10	9/16/2010	SW	30	1N	15E	201 RAYMOND STREET	10	MAIN REPLACEMENT		X									3	GAL	2	1936
70-10	9/20/2010	NW	30	1N	15E	512 PINTO STREET	6	SERVICE REPAIR		X							POLY	3/4				1978
71-10	9/20/2010	SE	15	1N	15E	626 OLD MOUNTAIN ROAD	9	SERVICE REPAIR		X							POLY	1				1975
72-10	9/15/2010	NW	29	1N	15E	194 S MILL STREET	4	SERVICE REPAIR						X			POLY	3/4				1980
73-10	9/30/2010	NE	29	1N	15E	5936 PINEWAY STREET	9	MAIN REPAIR						X						GAV	2	1956
74-10	9/14/2010	NW	28	1N	15E	5973 GLOBE AVENUE	5	SERVICE REPAIR						X			POLY	3/4				1979
75-10	9/3/2010	NW	29	1N	15E	6090 MACKEY HILL	6	SERVICE REPAIR						X			POLY	3/4				1969
76-10	9/19/2010	SW	22	1N	15E	5463 ROBERTS DRIVE	8	MAIN REPAIR						X						POLY	3	1996
77-10	9/30/2010	SW	15	1N	15E	5186 MALACHITE LANE	8	MAIN REPAIR						X						AC	6	1973
78-10	9/30/2010	SW	22	1N	15E	5221 E YOUNG STREET	8	MAIN REPAIR						X						POLY	1	1979
79-10	9/28/2010	SW	20	1N	15E	3757 GORDON STREET	5	MAIN REPAIR		X										GAL	2	1955
80-10	9/8/2010	SE	30	1N	15E	187 GRANDVIEW AVENUE	8	MAIN REPAIR		X										POLY	1	1970
81-10	9/5/2010	SE	22	1N	15E	CENTRAL AVENUE & MONROE	6	MAIN REPAIR					X							POLY	1	1984
82-10	10/10/2010	SW	22	1N	15E	5207 YOUNG STREET	4	MAIN REPAIR		X										POLY	1	1975
83-10	10/15/2010	SE	32	2N	15E	2291 N BIXBY ROAD	4	MAIN REPAIR					X							PVC	2	2005
84-10	10/2/2010	SW	22	1N	15E	5211 E YOUNG STREET	2	MAIN REPAIR					X							POLY	1	1982
85-10	10/26/2010	SW	30	1N	15E	317 LIVE OAK STREET	4	SERVICE REPAIR					X				POLY	3/4				1980
86-10	10/28/2010	NE	22	1N	15E	5235 DRAGONFLY LANE	6	SERVICE REPAIR		X							POLY	3/4				1984
87-10	10/12/2010	SW	30	1N	15E	198 CHISHOLM AVENUE	2	SERVICE REPAIR		X							POLY	3/4				1982
88-10	10/12/2010	SW	30	1N	15E	1218 BIRD STREET	6	MAIN REPLACEMENT		X									4	GAL	2	1930
89-10	10/8/2010	SE	22	1N	15E	5599 CENTRAL AVENUE	3	SERVICE REPAIR		X							POLY	3/4		N/A		1980
90-10	10/7/2010	NW	36	1N	14E	400' NE OF MACKEY CAMP ROAD	4	MAIN REPAIR		X										ST	6	1970
91-10	10/20/2010	SE	32	2N	15E	2291 N BIXBY RD	6	MAIN REPAIR						X						PVC	2	2005
92-10	10/14/2010	SE	20	1N	15E	4169 E HIGHWAY 60	4	SERVICE REPAIR		X							POLY	3/4				1980
93-10	10/25/2010	NE	29	1N	15E	6053 BOARD DRIVE	4	SERVICE REPAIR					X				POLY	3/4				1980
94-10	10/25/2010	NW	29	1N	15E	6090 MACKEY HILL	6	SERVICE REPAIR					X				POLY	3/4				1979
95-10	10/5/2010	NW	29	1N	15E	5774 OLD OAK STREET	4	SERVICE REPAIR		X							POLY	3/4				1978
96-10	11/15/2010	NW	36	1N	14E	60' SW OF MACKEY CAMP ROAD	15	MAIN REPLACEMENT		X									3	ST	6	1970
97-10	11/29/2010	SW	34	1N	15E	150' N OF QUAIL RUN	2	SERVICE REPLACEMENT					X			1	OTHER	3/4				1990
98-10	11/14/2010	NW	36	1N	14E	400' NE OF MACKEY CAMP ROAD	18	MAIN REPAIR					X							ST	6	1970
99-10	11/29/2010	SW	22	1N	15E	5304 E NIELSON STREET	2	SERVICE REPAIR					X				POLY	3/4				1979
00-10	11/9/2010	NW	27	1N	15E	5514 E STORY STREET.	4	SERVICE REPAIR					X				POLY	1				1980

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01-10	11/12/2010	SW	30	1N	15E	334 N CHISHOLM AVENUE	2	SERVICE REPAIR					X				POLY	1				1977
02-10	11/5/2010	SW	22	1N	15E	5589 RUSSELL ROAD	6	SERVICE REPAIR		X							POLY	3/4				1980
03-10	11/24/2010	SE	30	1N	15E	175 E GRANDVIEW STREET	6	MAIN REPAIR						X						POLY	1	1980
04-10	11/19/2010	SE	32	2N	15E	2291 N BIXBY ROAD	6	MAIN REPAIR						X						POLY	2	2005
05-10	11/30/2010	SW	30	1N	15E	236 N NELLIE AVENUE	6	SERVICE REPLACEMENT						X		1	CU	1/2				1940
06-10	11/19/2010	SW	15	1N	15E	5196 BORNITE LANE	6	SERVICE REPAIR						X			POLY	3/4				1973
07-10	11/16/2010	SE	22	1N	15E	5561 CENTRAL AVENUE	4	SERVICE REPAIR						X			POLY	3/4				1982
08-10	11/17/2010	SE	20	1N	15E	5936 PINEWAY STREET	6	MAIN REPAIR						X						GAL	2	1954
09-10	11/1/2010	NE	22	1N	15E	5235 DRAGONFLY LANE	6	SERVICE REPAIR						X			POLY	3/4				1980
10-10	11/4/2010	SE	32	2N	15E	2291 N BIXBY ROAD	6	MAIN REPAIR						X						PVC	2	2005
11-10	11/29/2010	NE	29	1N	15E	5978 S EL CAMINO	4	MAIN REPAIR					X							ST	4	1967
12-10	11/9/2010	SW	21	1N	15E	4335 BROADWAY STREET	6	SERVICE REPAIR		X							POLY	3/4				1980
13-10	11/10/2010	SE	30	1N	15E	300 S CHERRY FLATS ROAD #10	5	SERVICE REPAIR		X							POLY	3/4				1972
14-10	12/31/2010	SE	22	1N	15E	5614 S GLENDALE AVENUE	2	OTHER					X			1	OTHER	2				1995
15-10	12/5/2010	SW	22	1N	15E	5634 RUSSEL ROAD	4	MAIN REPAIR					X							GAL	2	1945
16-10	12/4/2010	NW	36	1N	15E	60' SW OF MACKEY CAMP ROAD	6	MAIN REPAIR					X							ST	6	1970
17-10	12/8/2010	SE	22	1N	15E	5675 MOUNTAIN VIEW	6	SERVICE REPAIR		X							POLY	3/4				1972
18-10	12/27/2010	SW	22	1N	15E	5304 NEILSON STREET	4	SERVICE REPAIR		X							POLY	3/4				1969
19-10	12/7/2010	SW	30	1N	15E	232 INDIAN CIRCLE	4	SERVICE REPAIR		X							POLY	3/4				1971
20-10	12/16/2010	SW	22	1N	15E	5616 RUSSELL ROAD	4	SERVICE REPAIR					X				POLY	3/4				1972
21-10	12/14/2010	SE	22	1N	15E	5561 CENTRAL AVENUE	8	SERVICE REPLACEMENT				X				1	POLY	3/4				1982
22-10	12/3/2010	SE	30	1N	15E	300 S CHERRY FLATS ROAD #4	6	SERVICE REPAIR					X				POLY	1				1973
23-10	12/7/2010	SE	30	1N	15E	300 S CHERRY FLATS ROAD #32	4	MAIN REPAIR					X							POLY	1	1973
24-10	12/17/2010	SE	30	1N	15E	300 S CHERRY FLATS ROAD	8	MAIN REPAIR						X						AC	4	1973
25-10	12/28/2010	SW	22	1N	15E	5611 BLOCK AVENUE #5	6	SERVICE REPAIR		X							POLY	1				1973
26-10	12/16/2010	SW	30	1N	15E	252 S ELLWOOD AVENUE	8	SERVICE REPLACEMENT		X						1	CU	1/2				1959
27-10	12/3/2010	SW	30	1N	15E	154 FORREST AVENUE	12	SERVICE REPAIR		X							GS	1				1961
28-10	12/28/2010	SE	21	1N	15E	5555 HOSPITAL DRIVE	9	MAIN REPAIR		X										POLY	6	1997
29-10	12/9/2010	NW	28	1N	15E	5973 S. PALMER LANE	8	SERVICE REPLACEMENT				X				1	POLY	3/4				1968
30-10	12/5/2010	SE	21	1N	15E	5634 RUSSEL ROAD	4	MAIN REPAIR						X						GAL	2	1945
31-10	12/20/2010	SE	30	1N	15E	161 MILTON AVENUE	4	MAIN REPAIR						X						AC	4	1973
32-10	12/6/2010	NE	29	1N	15E	5936 PINEWAY STREET	4	OTHER						X		1	GS	2				1956

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Superior																						
001-79	12/6/1979	SW	35	1S	12E	SAN JUAN STREET		MAIN REPLACEMENT						X					228	GS	1	1932
001-80	9/11/1980	SE	35	1S	12E	MAGMA COPPER MILL		MAIN REPLACEMENT						X					385	GS	10	1961
001-81	1/28/1981	NE	3	2S	12E	STONE AVENUE & TERRANCE DRIVE		MAIN REPLACEMENT						X					138	GS	1	1937
002-81	5/1/1981	SE	35	1S	12E	STANSBERRY STREET & NEWMONT STREET		MAIN REPLACEMENT						X					40	GS	1	1977
003-81	9/14/1981	SE	35	1S	12E	NO ADDRESS		OTHER						X					2"	Gate Valve	2	1934
004-81	10/28/1981	NE	3	2S	12E	NO ADDRESS		OTHER						X					2"	Gate Valve	2	1930 & 1936
005-81	12/7/1981	SE	35	1S	12E	MAIN STREET & STANSBERRY STREET		OTHER						X					2"	Hand valve	2	1936
006-81	12/15/1981	SW	35	1S	12E	WEST ALLEY & SAN JUAN STREET		MAIN REPLACEMENT						X					220	GS	1	1932
001-82	2/8/1982	SE	35	1S	12E	NEARY AVENUE & COPPER STREET		MAIN REPLACEMENT						X					76	GS	3/4	1918
002-82	2/25/1982	SE	3	2S	12E	MARTIN STREET		MAIN REPLACEMENT						X					157	GS	1	1928
003-82	3/18/1982	SE	35	1S	12E	212 N GARROT STREET		MAIN REPLACEMENT						X					8	GS	3/4	1956
004-82	3/18/1982	NE	3	2S	12E	312 W CROW STREET		MAIN REPLACEMENT						X					8	GS	3/4	1942
005-82	4/16/1982	NE	3	2S	12E	CROW STREET		SERVICE REPLACEMENT						X		2	POLY	1				1942
006-82	4/16/1982	NE	3	2S	12E	635 & 649 HIGHWAY 60		SERVICE REPLACEMENT						X		1	POLY	1				1942
007-82	5/6/1982	NW	3	2S	12E	OLD PHOENIX ROAD		MAIN REPLACEMENT						X					98	POLY	1	1941
008-82	9/22/1982					NO ADDRESS OR MAP		MAIN REPLACEMENT						X					150	GS	3/4	
009-82	9/22/1982	NW	3	2S	12E	OLD PHOENIX ROAD		MAIN REPLACEMENT						X					100	POLY	3/4	1975
010-82	12/10/1982	SE	3	2S	12E	NORTH OF SONORA STREET		MAIN REPLACEMENT						X					170	GS	1	1963
001-83	12/9/1983	NW	3	2S	12E	SANTA RITA		MAIN REPLACEMENT						X					750	GS	2	1930
001-84	1/9/1984	SW	35	1S	12E	655 W PORPHYRY STREET		SERVICE REPLACEMENT						X		1	POLY	3/4				1970
001-88	11/29/1988	SW	35	1S	12E	225 N PINAL AVENUE		MAIN REPLACEMENT						X					12	GS	3/4	1954
002-88	11/29/1988	NE	3	2S	12E	750 S BELMONT AVENUE		SERVICE REPLACEMENT						X		1	GS	1				1942
001-89	1/11/1989	SW	3	2S	12E	201 & 203 O'DONNELL DRIVE		SERVICE REPLACEMENT						X		2	POLY	1				1970
002-89	1/16/1989	SE	35	1S	12E	426 SILVER STREET		SERVICE REPLACEMENT						X		1	GS	3/4				1939
003-89	1/30/1989	SE	35	1S	12E	ALLEY BETWEEN KELLNER & NEARY		MAIN REPLACEMENT						X					62	GS	3/4	1936
004-89	2/2/1989	SW	35	1S	12E	#3 PIZANO STREET		SERVICE REPLACEMENT						X		1	POLY	3/4				1976
005-89	2/3/1989	NE	3	2S	12E	910 STONE AVENUE		SERVICE REPLACEMENT						X		1	GS	3/4				1937
006-89	2/21/1989	SE	35	1S	12E	300 & 300A NEARY AVENUE		SERVICE REPLACEMENT						X		1	CU	3/4				1954
007-89	2/22/1989	NW	3	2S	12E	741 MAIN STREET		SERVICE REPLACEMENT						X		1	POLY	3/4				1980
008-89	3/2/1989	NE	3	2S	12E	782 STONE AVENUE		SERVICE REPLACEMENT						X		1	GS	3/4				1937
009-89	3/2/1989	NE	3	2S	12E	828 STONE AVENUE		SERVICE REPLACEMENT						X		1	GS	3/4				1937
010-89	3/6/1989	NE	3	2S	12E	873 & 873A STONE AVENUE		SERVICE REPLACEMENT						X		2	GS	3/4				1937
011-89	3/6/1989	NE	3	2S	12E	854 STONE AVENUE		SERVICE REPLACEMENT						X		1	POLY	3/4				1980
012-89	3/7/1989	NE	3	2S	12E	891 & 895 STONE AVENUE		SERVICE REPLACEMENT						X		2	GS	3/4				1937
013-89	3/9/1989	NE	3	2S	12E	499 KISER STREET		SERVICE REPLACEMENT						X		1	POLY	3/4				1982
014-89	3/13/1989	NE	3	2S	12E	620 GIBBS STREET		SERVICE REPLACEMENT						X		1	GS	3/4				1942
015-89	3/15/1989	NE	3	2S	12E	549 KISER #1 & #2		SERVICE REPLACEMENT						X		2	POLY	3/4				1937
016-89	3/20/1989	NE	3	2S	12E	666 STONE AVENUE		SERVICE REPLACEMENT						X		1	CU	3/4				1937
017-89	3/27/1989	NE	3	2S	12E	772 STONE AVENUE		SERVICE REPLACEMENT						X		1	CU	3/4				1980
018-89	4/3/1989	NE	3	2S	12E	916 STONE AVENUE		SERVICE REPLACEMENT						X		1	GS	3/4				1937
019-89	4/3/1989	NE	2	2S	12E	STONE AVENUE NORTH OF VALENTINE		MAIN REPLACEMENT						X					180	CI pipe	4	1937

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020-89	4/17/1989	NE	3	2S	12E	936 STONE AVENUE		SERVICE REPLACEMENT						X		1	GS	3/4				1937
021-89	4/26/1989	NE	3	2S	12E	KISER & STONE AVENUE		MAIN REPLACEMENT						X						Gate Valve	2	1942
022-89	5/15/1989	SE	35	1S	12E	WEARY AVENUE NORTH OF COPPER STREET		SERVICE REPLACEMENT						X		1	GS	3/4				1918
023-89	5/31/1989	SE	3	2S	12E	1051 & 1065 WESTERN AVENUE		SERVICE REPLACEMENT						X		2	GS	3/4				1940
024-89	6/5/1989	SW	3	2S	12E	311 PALO VERDE		SERVICE REPLACEMENT						X		1	GS	3/4				1956
025-89	6/27/1989	SE	35	1S	12E	79 NEARY AVENUE		SERVICE REPLACEMENT						X		1	GS	3/4				1917
026-89	7/19/1989	SW	3	2S	12E	206 & 208 PALO FIERRO DRIVE		SERVICE REPLACEMENT						X		2	POLY	3/4				1956
027-89	8/1/1989	SE	35	1S	12E	79 LOBB AVENUE		SERVICE REPLACEMENT						X		1	POLY	3/4				1939
028-89	8/3/1989	SE	35	1S	12E	36 NEARY AVENUE		SERVICE REPLACEMENT						X		1	POLY	3/4				1980
029-89	8/15/1989	SE	35	1S	12E	48 NEARY AVENUE		SERVICE REPLACEMENT						X		1	POLY	3/4				1980
030-89	8/16/1989	SE	35	1S	12E	60-78 NEARY AVENUE		SERVICE REPLACEMENT						X		3	POLY	3/4				1980
031-89	8/21/1989	NE	3	2S	12E	260 A STONE		SERVICE REPLACEMENT						X		1	GS	3/4				1941
032-89	8/25/1989	NW	3	2S	12E	BRIDGE STREET & SONORA STREET		MAIN REPLACEMENT						X					377	GS	6	1941
033-89	8/28/1989	NW	35	2S	12E	103 & 106 BRIDGE STREET		SERVICE REPLACEMENT						X		2	GS	3/4				1941
034-89	8/29/1989	SE	35	1S	12E	300 MAIN STREET		SERVICE REPLACEMENT						X		2	POLY	3/4				1917
035-89	8/30/1989	SE	35	1S	12E	291 MAGMA AVENUE		SERVICE REPLACEMENT						X		1	POLY	3/4				1967
036-89	9/15/1989	SE	35	1S	12E	236 HIGH SCHOOL AVENUE		SERVICE REPLACEMENT						X		1	POLY	3/4				1978
037-89	10/2/1989	SE	35	1S	12E	73 MAIN STREET & LA MIDA BAR		SERVICE REPAIR						X		1	POLY	3/4				1974
038-89	10/6/1989	SE	35	1S	12E	MAGMA ALLEY & MAIN STREET		MAIN REPLACEMENT						X					478	POLY	1	1935 & 1974
039-89	10/17/1989	SE	35	1S	12E	37 KELLNER DRIVE		SERVICE REPAIR						X		1	POLY	3/4				1967
040-89	10/26/1989	SW	3	2S	12E	205 & 207 W GARY DRIVE		SERVICE REPLACEMENT						X		2	POLY	1				1970
041-89	11/1/1989	SE	35	1S	12E	308 N MAGMA AVENUE		SERVICE REPLACEMENT						X		1	POLY	3/4				1978
042-89	11/1/1989	SE	35	1S	12E	211 N PINAL AVENUE		SERVICE REPLACEMENT						X		1	POLY	3/4				1978
043-89	11/1/1989	SW	3	2S	12E	102 S CHRISTOPHER STREET		SERVICE REPLACEMENT						X		2	POLY	1				1978
044-89	11/3/1989	SE	35	1S	12E	501 W PORPHORY STREET		SERVICE REPLACEMENT						X		1	POLY	3/4				1980
001-90	1/4/1990	SE	3	2S	12E	701 BROWN STREET		SERVICE REPLACEMENT						X		1	GS	3/4				1956
002-90	1/5/1990	NE	3	2S	12E	473 HILL STREET		SERVICE REPLACEMENT						X		1	POLY	3/4				1974
003-90	1/9/1990	NE	3	2S	12E	519 HILL STREET		SERVICE REPLACEMENT						X		1	POLY	3/4				1974
004-90	1/10/1990	SW	35	1S	12E	93 PINAL AVENUE		SERVICE REPLACEMENT						X		1	GS	3/4				1940
005-90	1/29/1990	NE	3	2S	12E	232 A & B TERRACE DRIVE		SERVICE REPLACEMENT						X		2	POLY	3/4				1978
006-90	1/29/1990	SE	3	2S	12E	800 MARTIN STREET SPACE A & B		SERVICE REPLACEMENT						X		1	POLY	3/4				1970
007-90	2/26/1990	NE	3	2S	12E	CHURCH STREET BETWEEN GIBBS & CROW AVENUE		MAIN REPLACEMENT						X					282	GS	1	1929
008-90	2/26/1990	NE	3	2S	12E	830 & 831 CHURCH STREET		SERVICE REPLACEMENT						X		2	GS	3/4				1929
009-90	3/8/1990	NE	3	2S	12E	1011 WESTERN AVENUE		SERVICE REPLACEMENT						X		1	GS	3/4				1937
010-90	3/30/1990	SE	35	1S	12E	296 & 298 MAGMA AVENUE		SERVICE REPLACEMENT						X		2	POLY	3/4				1978
011-90	4/2/1990	SE	35	1S	12E	299 LOBB AVENUE		SERVICE REPLACEMENT						X		1	GS	3/4				1956
012-90	4/9/1990	SE	3	2S	12E	410 RAY STREET		SERVICE REPLACEMENT						X		1	POLY	3/4				1976
013-90	4/20/1990	NE	3	2S	12E	474 TERRACE DRIVE		SERVICE REPLACEMENT						X		1	GS	3/4				1937
014-90	5/9/1990	NE	3	2S	12E	498 MAIN STREET		SERVICE REPLACEMENT						X		1	GS	3/4				1936
015-90	5/9/1990	NE	3	2S	12E	475 & 479 MAIN STREET		SERVICE REPLACEMENT						X		2	GS	3/4				1936
016-90	5/9/1990	NE	3	2S	12E	469 MAIN STREET		SERVICE REPLACEMENT						X		1	GS	3/4				1936
017-90	5/9/1990	NE	3	2S	12E	467 & 467 B MAIN STREET		SERVICE REPLACEMENT						X		2	GS	3/4				1936

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018-90	5/9/1990	NE	3	2S	12E	455 & 459 MAIN STREET		SERVICE REPLACEMENT						X		2	GS	3/4				1936
019-90	5/9/1990	NE	3	2S	12E	601 & 603 MAIN STREET		SERVICE REPLACEMENT						X		2	GS	3/4				1936
020-90	5/9/1990	NE	3	2S	12E	505 & 507 MAIN STREET		SERVICE REPLACEMENT						X		2	GS	1				1936
021-90	6/8/1990	NE	3	2S	12E	690 STONE AVENUE		SERVICE REPLACEMENT						X		1	GS	3/4				1942
022-90	6/11/1990	SE	35	1S	12E	102 HIGH SCHOOL AVENUE		SERVICE REPLACEMENT						X		1	GS	3/4				1936
023-90	6/25/1990	NE	3	2S	12E	222 & 242 WRIGHT STREET		SERVICE REPLACEMENT						X		2	GS	3/4				1942
024-90	7/2/1990	NW	3	2S	12E	5 OLD PHOENIX ROAD		SERVICE REPLACEMENT						X		1	POLY	3/4				1981
025-90	7/6/1990	NE	3	2S	12E	322 & 332 KISER STREET		SERVICE REPLACEMENT						X		2	GS	3/4				1942
026-90	7/7/1990	NE	3	2S	12E	580 SONORA STREET		SERVICE REPLACEMENT						X		1	POLY	3/4				1972
027-90	7/27/1990	SE	35	1S	12E	70 COPPER STREET		SERVICE REPLACEMENT						X		1	POLY	3/4				1978
028-90	7/31/1990	SE	35	1S	12E	139 COPPER STREET		SERVICE REPLACEMENT						X		1	POLY	3/4				1967
029-90	8/31/1990	NE	3	2S	12E	680 A SONORA STREET		SERVICE REPLACEMENT						X		1	GS	3/4				1949
030-90	9/5/1990	NE	3	2S	12E	804 HIGHWAY 60		SERVICE REPLACEMENT						X		1	POLY	3/4				1970
031-90	9/10/1990	SE	35	1S	12E	187 COPPER STREET		SERVICE REPLACEMENT						X		1	GS	3/4				1976
032-90	9/13/1990	SW	35	1S	12E	PINAL STREET SOUTH OF CHURCH AVENUE		SERVICE REPLACEMENT						X		1	GS	3/4				1954
033-90	9/27/1990	SE	35	1S	12E	299 MAGMA AVENUE		SERVICE REPLACEMENT						X		1	GS	3/4				1936
034-90	10/31/1990	SE	3	2S	12E	599 RAY STREET		SERVICE REPLACEMENT						X		1	GS	3/4				1941
035-90	11/14/1990	SE	3	2S	12E	1139 EDNA AVENUE		SERVICE REPLACEMENT						X		1	GS	3/4				1956
036-90	11/19/1990	NE	3	2S	12E	467 HILL STREET		SERVICE REPLACEMENT						X		1	POLY	3/4				1974
037-90	11/29/1990	SE	3	2S	12E	107 & 109 ARNETT DRIVE		SERVICE REPLACEMENT						X		2	POLY	1				1965
038-90	11/30/1990	SW	3	2S	12E	329 MARION STREET		SERVICE REPLACEMENT						X		2	POLY	1				1966
039-90	12/3/1990	NW	3	2S	12E	#1 & #3 SMELTER TOWN		SERVICE REPLACEMENT						X		2	CU	1				1973
040-90	12/5/1990	NE	3	2S	12E	550 KISER STREET		SERVICE REPLACEMENT						X		1	GS	3/4				1942
041-90	12/28/1990	SE	35	1S	12E	230 MAIN STREET		SERVICE REPLACEMENT						X		1	GS	3/4				1936
001-91	1/3/1991	NE	3	2S	12E	249 & 451 B HEINER DRIVE		SERVICE REPLACEMENT						X		2	GS	3/4				1937
002-91	4/9/1991	SE	35	1S	12E	448, 467, & 469 NEWMONT STREET		SERVICE REPLACEMENT						X		3	GS	3/4				1936
003-91	4/9/1991	SE	35	1S	12E	476 NEWMONT STREET		SERVICE REPLACEMENT						X		1	POLY	3/4				1981
004-91	4/10/1991	SE	35	1S	12E	NEWMONT STREET WEST OF STANSBERRY		MAIN REPLACEMENT						X					103	GS	1	1936
005-91	4/10/1991	SE	35	1S	12E	477 NEWMONT STREET		SERVICE REPLACEMENT						X		1	GS	3/4				1936
006-91	4/17/1991	NE	3	2S	12E	241 & 243 KISER STREET		SERVICE REPLACEMENT						X		2	POLY	3/4				1970
007-91	4/18/1991	NE	3	2S	12E	242 & 244 KISER STREET		SERVICE REPLACEMENT						X		2	POLY	3/4				1970
008-91	5/1/1991	SE	35	1S	12E	268 HIGH SCHOOL AVENUE		SERVICE REPLACEMENT						X		1	POLY	3/4				1978
009-91	5/16/1991	NE	3	2S	12E	240 STONE AVENUE		SERVICE REPLACEMENT						X		1	GS	3/4				1941
010-91	5/24/1991	NE	3	2S	12E	658 KISER STREET		SERVICE REPLACEMENT						X		1	GS	3/4				1942
011-91	7/19/1991	SW	3	2S	12E	854 SPRAY STREET		SERVICE REPLACEMENT						X		1	POLY	3/4				1970
012-91	9/20/1991	NE	3	2S	12E	809 BELMONT AVENUE		SERVICE REPLACEMENT						X		1	POLY	3/4				1978
013-91	9/24/1991	SE	35	1S	12E	519 LIME STREET		SERVICE REPLACEMENT						X		1	POLY	3/4				1980
014-91	10/8/1991	NE	3	2S	12E	WRIGHT & CHURCH STREET		MAIN REPLACEMENT						X					82	GS	3/4	1928
015-91	10/8/1991	NE	3	2S	12E	402 VALENTINE STREET		SERVICE REPLACEMENT						X		1	POLY	3/4				1977
016-91	10/10/1991	SE	35	1S	12E	284 HIGH SCHOOL AVENUE		SERVICE REPLACEMENT						X		1	POLY	3/4				1978
017-91	10/15/1991	NE	3	2S	12E	625 CROW STREET		SERVICE REPLACEMENT						X		1	POLY	3/4				1972
018-91	11/1/1991	SE	35	1S	12E	212 HIGH SCHOOL AVENUE		SERVICE REPLACEMENT						X		1	POLY	3/4				1978

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
019-91	11/6/1991	SE	3	2S	12E	1042 WESTERN AVENUE		SERVICE REPLACEMENT						X		1	POLY	3/4				1980
020-91	11/14/1991	SW	35	1S	12E	38 RAINBOW STREET		SERVICE REPLACEMENT						X		1	GS	3/4				1941
021-91	11/26/1991	SE	4	2S	12E	101 & 103 CARNEY STREET		SERVICE REPLACEMENT						X		2	GS	3/4				1925
022-91	11/27/1991	SW	3	2S	12E	EDNA AVENUE & SPRAY STREET		MAIN REPLACEMENT						X					128	GS	1	1956
023-91	11/27/1991	SW	3	2S	12E	SPRAY STREET		SERVICE REPLACEMENT						X		1	GS	3/4				1956
024-91	12/3/1991	SE	3	2S	12E	1203 & 1255 WESTERN AVENUE		SERVICE REPLACEMENT						X		2	GS	3/4				1928
025-91	12/4/1991	NE	3	2S	12E	440 GIBBS STREET		SERVICE REPLACEMENT						X		2	POLY	1				1970
001-92	1/3/1992	NE	3	2S	12E	LOBB AVENUE & HEINER DRIVE		MAIN REPLACEMENT						X					490	GS	2	1937
002-92	1/28/1992	NE	3	2S	12E	621 CROW STREET		MAIN REPLACEMENT						X					250	GS	2	
003-92	1/28/1992	NE	3	2S	12E	621 CROW STREET		SERVICE REPLACEMENT						X		2	POLY					
004-92	1/31/1992	SW	3	2S	12E	339 MARION STREET		SERVICE REPLACEMENT						X		1	CU	3/4				1987
005-92	2/4/1992	SW	3	2S	12E	333 & 335 MAIN STREET		SERVICE REPLACEMENT						X		2	POLY	1				1980
006-92	2/4/1992	SW	3	2S	12E	337 MARION STREET		SERVICE REPLACEMENT						X		1	CU	3/4				1980
007-92	2/4/1992	SW	3	2S	12E	329 MARION STREET		SERVICE REPLACEMENT						X		1	CU	3/4				1985
008-92	2/4/1992	SW	3	2S	12E	332 & 334 MARION STREET		SERVICE REPLACEMENT						X		2	POLY	1				1980
009-92	2/5/1992	SW	3	2S	12E	114 & 116 RICHARD AVENUE		SERVICE REPLACEMENT						X		2	POLY	3/4				1980
010-92	2/5/1992	SE	35	1S	12E	431 SILVER STREET		SERVICE REPLACEMENT						X		1	GS	3/4				1940
011-92	2/6/1992	SW	3	2S	12E	122 RICHARD AVENUE		SERVICE REPLACEMENT						X		1	POLY	3/4				1970
012-92	2/27/1992	SW	35	1S	12E	602 LIME STREET		SERVICE REPLACEMENT						X		1	POLY	3/4				1980
013-92	3/10/1992	NE	3	2S	12E	940 CONTRERAS		SERVICE REPLACEMENT						X		1	POLY	3/4				1957
014-92	3/24/1992	NE	4	2S	12E	OLD MAGMA BALLPARK		MAIN REPLACEMENT						X					380	GS	2	1942
015-92	3/24/1992	NE	4	2S	12E	BASEBALL FIELD		SERVICE REPLACEMENT						X		6	GS	1				1942
016-92	4/2/1992	SE	35	1S	12E	324 MINE AVENUE		SERVICE REPLACEMENT						X		1	POLY	3/4				1980
017-92	4/10/1992	NE	3	2S	12E	CHURCH AVENUE & CROW STREET		MAIN REPLACEMENT						X					250	GS	1	1929
018-92	4/10/1992	NE	3	2S	12E	CROW STREET & CHURCH		SERVICE REPLACEMENT						X		3	GS	3/4				1929
019-92	4/20/1992	SE	35	1S	12E	108 A STANSBERRY AVENUE		SERVICE REPLACEMENT						X		1	GS	3/4				1936
020-92	6/17/1992	NE	3	2S	12E	849 A WILLHOYT STREET		SERVICE REPLACEMENT						X		1	POLY	3/4				1957
021-92	7/20/1992	SE	35	1S	12E	439 SILVER STREET		SERVICE REPLACEMENT						X		1	POLY	3/4				1980
022-92	7/28/1992	SE	4	2S	12E	CARNEY STREET		MAIN REPLACEMENT						X					250	GS	2	1925
023-92	7/28/1992	SE	4	2S	12E	CARNEY STREET		SERVICE REPLACEMENT						X		8	POLY	3/4				1925
024-92	7/28/1992	SE	4	2S	12E	CARNEY STREET		SERVICE REPLACEMENT						X		10	GS	3/4				1925 & 1970
025-92	7/28/1992	SW	3	2S	12E	206 & 208 HARRINGTON STREET		SERVICE REPLACEMENT						X		2	POLY	1				1970
026-92	7/29/1992	SE	3	2S	12E	95 & 97 ARNETT DRIVE		SERVICE REPLACEMENT						X		2	POLY	3/4				1965
027-92	7/29/1992	SE	3	2S	12E	111 & 113 ARNETT DRIVE		SERVICE REPLACEMENT						X		2	POLY	1				1965
028-92	8/3/1992	SW	35	1S	12E	90 PINAL AVENUE		SERVICE REPLACEMENT						X		1	GS	3/4				1940
029-92	8/11/1992	SE	35	1S	12E	299 KELLNER AVENUE		SERVICE REPLACEMENT						X		1	GS	3/4				1929
030-92	8/18/1992	SE	35	1S	12E	215 GARROTT STREET		SERVICE REPLACEMENT						X		1	GS	3/4				1939
031-92	8/25/1992	SW	35	1S	12E	64 RAINBOW STREET		SERVICE REPLACEMENT						X		1	GS	3/4				1941
032-92	8/25/1992	SE	35	1S	12E	225 LOBB AVENUE		SERVICE REPLACEMENT						X		1	GS	3/4				1956
033-92	8/26/1992	SW	35	1S	12E	110 PINAL STREET		SERVICE REPLACEMENT						X		1	GS	3/4				1940
034-92	9/16/1992	NW	3	2S	12E	903 MAIN STREET		SERVICE REPLACEMENT						X		1	POLY	3/4				1970
035-92	9/28/1992	SE	3	2S	12E	89 & 91 ARNETT STREET		SERVICE REPLACEMENT						X		2	POLY	3/4				1965

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036-92	10/21/1992	NE	3	2S	12E	500 HILL STREET		SERVICE REPLACEMENT						X		1	GS	3/4				1941
037-92	10/27/1992	NE	3	2S	12E	473 HILL STREET		SERVICE REPLACEMENT						X		1	POLY	3/4				1974
038-92	10/28/1992	NE	3	2S	12E	998 WESTERN AVENUE		SERVICE REPLACEMENT						X		1	POLY	3/4				1980
039-92	11/1/1992	SE	3	2S	12E	103 & 105 ARNETT DRIVE		SERVICE REPLACEMENT						X		1	POLY	3/4				1965
040-92	11/4/1992	SE	35	1S	12E	68 KUMPKE COURT		SERVICE REPLACEMENT						X		1	GS	3/4				1974
041-92	11/10/1992	SE	35	1S	12E	HIGH SCHOOL AVENUE		MAIN REPLACEMENT						X					180	GS	1	1963
042-92	11/10/1992	SE	35	1S	12E	32, 38, 50 & 60 KUMPKE COURT		SERVICE REPLACEMENT						X		4	GS	3/4				1963
043-92	11/12/1992	NE	3	2S	12E	450 BRIDGE STREET		SERVICE REPLACEMENT						X		1	POLY	3/4				1980
044-92	11/16/1992	SE	35	1S	12E	206, 208, 210 A & B GARROTT STREET		SERVICE REPLACEMENT						X		4	GS	3/4				1956
045-92	11/17/1992	SE	35	1S	12E	209 A LOBB AVENUE		SERVICE REPLACEMENT						X		1	GS	3/4				1956
046-92	12/3/1992	SE	3	2S	12E	1227 BELMONT AVENUE		SERVICE REPLACEMENT						X		1	POLY	3/4				1964
047-92	12/15/1992	SE	35	1S	12E	395 LOBB AVENUE		SERVICE REPLACEMENT						X		1	POLY	3/4				1979
001-93	1/3/1993	NE	3	2S	12E	318 BRIDGE STREET		SERVICE REPLACEMENT						X		1	POLY	3/4				1980
002-93	1/3/1993	SE	35	1S	12E	459 NEWMONT		SERVICE REPLACEMENT						X		1	POLY	3/4				1981
003-93	2/5/1993	SE	35	1S	12E	53 MAGMA AVENUE		SERVICE REPLACEMENT						X		1	GS	3/4				1967
004-93	2/17/1993	SE	35	1S	12E	COPPER STREET WEST OF MAGMA		MAIN REPLACEMENT						X					150	CI	4	1964
005-93	2/18/1993	NW	3	2S	12E	EDNA AVENUE & WILLHOYT STREET		MAIN REPLACEMENT						X					100	GS	3/4	1957
006-93	2/18/1993	NW	3	2S	12E	1101, 1012, 1013, & 1014 EDNA AVENUE		SERVICE REPLACEMENT						X		4	GS	3/4				1957
007-93	3/18/1993	SW	35	1S	12E	492 SANTA RITA STREET		SERVICE REPLACEMENT						X		1	GS	1				1939
008-93	3/18/1993	NE	3	2S	12E	528 SONORA DRIVE		SERVICE REPLACEMENT						X		1	POLY	1				1941
009-93	3/31/1993	NE	3	2S	12E	701 KISER STREET		SERVICE REPLACEMENT						X		1	GS	3/4				1942
010-93	5/13/1993	NW	3	2S	12E	835 C HIGHWAY 60		SERVICE REPLACEMENT						X		1	GS	3/4				1957
011-93	6/3/1993	NW	3	2S	12E	6, 7,8,11 & 15 SMELTER TOWN ROAD		SERVICE REPLACEMENT						X		5	POLY	1				1973
012-93	6/28/1993	SW	35	2S	12E	96 PINAL STREET		SERVICE REPLACEMENT						X		1	POLY	3/4				1970
013-93	7/16/1993	NE	3	2S	12E	649 SONORAN STREET		SERVICE REPLACEMENT						X		2	GS	3/4				1963
014-93	8/2/1993	SE	35	1S	12E	245 PINAL AVENUE		SERVICE REPLACEMENT						X		1	POLY	3/4				1977
015-93	8/4/1993	NE	3	2S	12E	506 HILL STREET		SERVICE REPLACEMENT						X		1	POLY	3/4				1974
016-93	8/18/1993	NE	3	2S	12e	466 TERRACE DRIVE		SERVICE REPLACEMENT						X		1	GS	3/4				1937
017-93	8/27/1993	SE	35	1S	12E	GAYS ALLEY & MAIN STREET		OTHER						X					2"	Gate Valve	2	1936
018-93	9/3/1993	NE	3	2S	12E	640 CHURCH STREET		SERVICE REPLACEMENT						X		1	POLY	3/4				1975
019-93	9/9/1993	SE	3	2S	12E	653 BROWN STREET		SERVICE REPLACEMENT						X		1	GS	3/4				1928
020-93	9/23/1993	SE	35	1S	12E	516 LIME STREET		SERVICE REPLACEMENT						X		1	POLY	3/4				1918
021-93	9/24/1993	NE	3	2S	12E	1006 & 1008 WESTERN AVENUE		SERVICE REPLACEMENT						X		2	GS	3/4				1937
022-93	10/20/1993	SW	35	1S	12E	98 A PINAL AVENUE		SERVICE REPLACEMENT						X		1	POLY	3/4				1980
023-93	10/21/1993	SE	35	1S	12E	102 HIGH SCHOOL AVENUE		SERVICE REPLACEMENT						X		1	GS	3/4				1936
024-93	10/21/1993	NE	3	2S	12E	508 & 516 HILL STREET		SERVICE REPLACEMENT						X		2	POLY	3/4				1974
025-93	10/21/1993	SE	3	2S	12E	MEDLOCK DRIVE NORTH OF SUNSET DRIVE		SERVICE REPLACEMENT						X		1	POLY	3/4				1965
026-93	10/21/1993	NE	3	2S	12E	426 EAST STREET		SERVICE REPLACEMENT						X		1	POLY	3/4				1978
027-93	10/26/1993	SW	35	1S	12E	SAN PEDRO STREET & EAST ALLEY		MAIN REPLACEMENT						X					115	GS	3/4	1936
028-93	10/26/1993	SW	35	1S	12E	56 & 61 SAN PEDRO STREET		SERVICE REPLACEMENT						X		2	GS	3/4				1936
029-93	11/10/1993	NE	3	2S	12E	SIMPSON ROAD BETWEEN WESTERN AVENUE & BELMONT STR		MAIN REPLACEMENT						X					100	GS	1	1926
030-93	11/10/1993	NE	3	2S	12E	SIMPSON ROAD BETWEEN WESTERN AVENUE & BELMONT STR		SERVICE REPLACEMENT						X		3	GS	3/4				1926

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
031-93	11/18/1993	SE	35	1S	12E	39 MAGMA & 50 KELLNER AVENUE		SERVICE REPLACEMENT						X		2	POLY	3/4				1967
032-93	12/1/1993	SE	35	1S	12E	370 KELLNER AVENUE		SERVICE REPLACEMENT						X		1	GS	3/4				1929
033-93	12/8/1993	SW	35	1S	12E	123 PINAL AVENUE		SERVICE REPLACEMENT						X		1	GS	3/4				1940
034-93	12/9/1993	SE	35	1S	12E	249 & 259 MAGMA AVENUE		SERVICE REPLACEMENT						X		1	POLY	3/4				1969
035-93	12/13/1993	NE	4	2S	12E	US HWY 60 WINGHOUSE		MAIN REPLACEMENT						X					160	CU	3/4	1975
036-93	12/16/1993	SE	35	1S	12E	ALLEY BETWEEN MAGMA & KELLNER #23		MAIN REPLACEMENT						X						Gate valve	2	1936
037-93	12/30/1993	SW	3	2S	12E	204 & 206 SUNSET DRIVE		SERVICE REPLACEMENT						X		2	POLY	1				1980
001-94	1/11/1994	NE	3	2S	12E	322 CROW STREET		SERVICE REPLACEMENT						X		1	CU	3/4				1942
002-94	1/14/1994	SE	3	2S	12E	VALENTINE STREET & STONE AVENUE		OTHER						X					4"	Hand valve	4	1939
003-94	1/18/1994	NE	3	2S	12E	CHURCH AVENUE & MAIN STREET		OTHER						X					2"	Gate Valve	2	1936
004-94	1/19/1994	NE	3	2S	12E	ON CHURCH AVENUE BETWEEN US 60 & GIBBS STREET		MAIN REPLACEMENT						X					236	GS	1	1936
005-94	1/20/1994	NE	3	2S	12E	745 CHURCH STREET		SERVICE REPLACEMENT						X		1	GS	3/4				1936
006-94	1/20/1994	NE	3	2S	12E	584 GIBBS STREET		SERVICE REPLACEMENT						X		1	GS	3/4				1936
007-94	1/24/1994	NE	3	2S	12E	752 CHURCH STREET		SERVICE REPLACEMENT						X		1	GS	3/4				1936
008-94	2/3/1994	NE	3	2S	12E	558 KISER STREET		SERVICE REPLACEMENT						X		1	CU	2				1942
009-94	2/28/1994	SE	35	1S	12E	COPPER STREET		MAIN REPLACEMENT						X					150	CI	4	
010-94	2/28/1994	SE	35	1S	12E	COPPER STREET		SERVICE REPLACEMENT						X		2	PVC	3/4				
011-94	3/14/1994	SW	35	1S	12E	PINAL & LIME STREET		SERVICE REPLACEMENT						X		10	POLY	3/4				1940
012-94	4/4/1994	SE	35	1S	12E	VALVE 302 & 303		MAIN REPLACEMENT						X					150	CI	4	1936
013-94	4/4/1994	SE	35	1S	12E	COPPER STREET & MAGMA AVENUE		SERVICE REPLACEMENT						X		2	GS	3/4				1936
014-94	4/26/1994	NE	3	2S	12E	700 WESTERN AVENUE		SERVICE REPLACEMENT						X		1	POLY	3/4				1980
015-94	5/4/1994	SW	35	1S	12E	25 RAINBOW STREET		SERVICE REPLACEMENT						X		1	GS	3/4				1941
016-94	5/6/1994	SW	3	2S	12E	217 O'DONNELL DRIVE		SERVICE REPLACEMENT						X		1	POLY	3/4				1965
017-94	5/11/1994	SW	35	1S	12E	MAGMA ALLEY & HIGH SCHOOL AVENUE		MAIN REPLACEMENT						X					930	GS	2	1934
018-94	5/11/1994	SE	35	1S	12E	MAGMA ALLEY & HIGH SCHOOL AVENUE		SERVICE REPLACEMENT						X		13	GS	3/4				1936
019-94	5/12/1994	SW	35	1S	12E	56 RAINBOW STREET		SERVICE REPLACEMENT						X		1	GS	3/4				1941
020-94	6/2/1994	SW	35	1S	12E	60 RAINBOW STREET		SERVICE REPLACEMENT						X		1	POLY	3/4				1980
021-94	6/27/1994	SE	35	1S	12E	252 LIME STREET		SERVICE REPLACEMENT						X		1	GS	3/4				1917
022-94	7/20/1994	NW	3	2S	12E	61 MECKEVILLE		SERVICE REPLACEMENT						X		1	GS	3/4				1936
023-94	7/21/1994	NW	3	2S	12E	SMELTER TOWN ROAD		MAIN REPLACEMENT						X					80	CA	4	1973
024-94	7/24/1994	NE	3	2S	12E	629 & 629 A CROW STREET		SERVICE REPLACEMENT						X		2	POLY	1				1972
025-94	8/25/1994	NE	3	2S	12E	400 HILL STREET		SERVICE REPLACEMENT						X		2	POLY	1				1980
026-94	9/8/1994	NW	3	2S	12E	73 OLD PHOENIX ROAD		SERVICE REPLACEMENT						X		1	POLY	3/4				1981
027-94	10/12/1994	SE	35	1S	12E	298 LOBB AVENUE		SERVICE REPLACEMENT						X		1	POLY	3/4				1981
028-94	11/8/1994	NE	3	2S	12E	521 HILL STREET		SERVICE REPLACEMENT						X		1	POLY	3/4				1974
029-94	11/16/1994	SE	35	1S	12E	SUPERIOR HIGH SCHOOL		SERVICE REPLACEMENT						X		1	GS	2				1980
030-94	12/2/1994	SW	3	2S	12E	202 & 204 O'DONELL DRIVE		SERVICE REPLACEMENT						X		2	POLY	1				1970
031-94	12/8/1994	NE	3	2S	12E	NO ADDRESS OR STREET NAME		MAIN REPLACEMENT						X					110	PVC	1	1973
032-94	12/28/1994	SE	3	2S	12E	1045 WESTERN AVENUE		SERVICE REPLACEMENT						X		1	GS	3/4				1940
001-95	1/23/1995	SE	3	2S	12E	105 & 107 SOUTH AVENUE		SERVICE REPLACEMENT						X		2	POLY	3/4				1960
002-95	2/2/1995	NE	3	2S	12E	WRIGHT & CHURCH STREET		SERVICE REPLACEMENT						X		2	GS	3/4				1928
003-95	2/7/1995	SE	35	1S	12E	ALLEY NORTH OF GARROTT AVENUE		SERVICE REPLACEMENT						X		2	CU	3/4				1939

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
004-95	2/9/1995	NW	3	2S	12E	MAIN STREET & US HIGHWAY 60		MAIN REPLACEMENT						X						Cla valve	6	1946
005-95	2/21/1995	SE	35	1S	12E	207 GARROTT AVENUE		SERVICE REPLACEMENT						X		1	GS	3/4				1939
006-95	3/2/1995	SE	3	2S	12E	580 VALENTINE STREET		SERVICE REPLACEMENT						X		1	GS	3/4				1939
007-95	8/15/1995	SE	35	1S	12E	PORPHYRY STREET & KELLNER AVENUE		SERVICE REPLACEMENT						X					388	GS	2	1929
008-95	10/25/1995	SE	35	1S	12E	LOBB AVENUE & COPPER STREET		MAIN REPLACEMENT						X					100	GS	1	1942-1979
009-95	10/25/1995	SE	35	1S	12E	LOBB AVENUE & COPPER STREET		MAIN REPLACEMENT						X					166	PVC	1	1942-1979
010-95	10/25/1995	SE	35	1S	12E	LOBB AVENUE & COPPER STREET		MAIN REPLACEMENT						X					75	GS	3/4	1942-1979
011-95	10/25/1995	SE	35	1S	12E	LOBB AVENUE & COPPER STREET		SERVICE REPLACEMENT						X		5	PVC	3/4				1942-1979
001-96	1/4/1996	NE	3	2S	12E	WRIGHT STREET & LOBB AVENUE		MAIN REPLACEMENT						X					300	CA	3	1942
002-96	1/22/1996	NE	3	2S	12E	676 & 680 A SONORA STREET		MAIN REPLACEMENT						X					300	POLY	1	1963
003-96	1/22/1996	NE	3	2S	12E	676 & 680 A SONORA STREET		SERVICE REPLACEMENT						X		3	POLY	3/4				1963
004-96	9/12/1996	NE	3	2S	12E	HEINER DRIVE & HIGHWAY 177		OTHER						X					8"	Gate Valve	8	
005-96	9/18/1996	NE	3	2S	12E	TERRANCE DRIVE & HIGHWAY 177		OTHER						X					6"	Gate Valve	6	
001-98	6/25/1998	SE	3	2S	12E	MARTIN STREET & EDNA AVENUE		MAIN REPLACEMENT						X					170	PVC	1	1985
002-98	6/25/1998	SE	3	2S	12E	MARTIN STREET & EDNA AVENUE		SERVICE REPLACEMENT						X		2	PVC	1				1985
003-98	11/24/1998					BHP PROPERTY		MAIN REPLACEMENT						X					283	GS	6	1961
001-99	8/18/1999					BHP PROPERTY		MAIN REPLACEMENT						X					565	GS	6	1961
002-99	10/13/1999	SW	3	2S	12E	NUNEZ PLACE		MAIN REPLACEMENT						X					200	PVC	2	1970
003-99	11/30/1999	NW	3	2S	12E	58 W MCKELVEYVILLE STREET		MAIN REPLACEMENT						X					80	GS	2	1946
001-00	6/7/2000	SE	35	1S	12E	COPPER STREET & LOBB AVENUE		MAIN REPLACEMENT						X					30	GS	2	1954
001-01	1/29/2001	SE	35	1S	12E	STANSBERRY STREET FROM NEWMONT TO LIME STREET		MAIN REPLACEMENT						X					200	GS	1	1936
002-01	2/7/2001	SE	3	2S	12E	WESTERN AVENUE FROM RAY STREET TO S END OF WESTERN		MAIN REPLACEMENT						X					200	GS	1	1940
003-01	3/30/2001	SE	35	1S	12E	NEARY AVENUE & COPPER STREET		MAIN REPLACEMENT						X					200	GS	1	1918-1920
004-01	3/30/2001	SE	35	1S	12E	NEARY AVENUE & COPPER STREET		MAIN REPLACEMENT						X					200	GS	2	1918-1920
005-01	3/30/2001	SE	35	1S	12E	NEARY AVENUE & COPPER STREET		MAIN REPLACEMENT						X					40	POLY	3/4	1918-1920
006-01	3/30/2001	SE	35	1S	12E	NEARY AVENUE & COPPER STREET		SERVICE REPLACEMENT						X		5	GS	3/4				1918-1920
007-01	5/4/2001	SE	35	1S	12E	KELLNER ROAD		MAIN REPLACEMENT						X					130	GS	2	1929
008-01	11/7/2001	SW	35	1S	12E	SAN JUAN STREET		MAIN REPLACEMENT						X						POLY	1	1979
001-02	1/9/2002	NE	3	2S	12E	RAY ROAD		MAIN REPLACEMENT						X						GS	8	1959
001-03	1/28/2003	SE	35	1S	12E	QUEEN CREEK BRIDGE		MAIN REPLACEMENT						X					170	GS	8	1959
002-03	3/24/2003	NE	3	2S	12E	HILL STREET & TERRACE DRIVE		MAIN REPLACEMENT						X					110	CA	4	1980
003-03	5/6/2003	SE	35	1S	12E	QUEEN CREEK BRIDGE CROSSING ON MAGMA AVENUE		MAIN REPLACEMENT						X					170	GS	8	1959
001-04	2/26/2004	NW	3	2S	12E	708 MAIN STREET		SERVICE REPLACEMENT						X		1	GS	3/4				1936
002-04	2/26/2004	NW	3	2S	12E	734 MAIN STREET		MAIN REPLACEMENT						X					270	GS	2	1936
001-05	2/14/2005	SE	3	1S	12E	ALLEY BETWEEN LOBB AVENUE & STANBERRY AVENUE		MAIN REPLACEMENT						X					300	GS	1	1939
001-07	6/13/2007	NE	3	2S	12E	427 W MOFFATT STREET		MAIN REPLACEMENT						X					188	GS	1	1934
001-08	3/7/2008					TRANSMISSION LINE RESOLUTION COPPER		MAIN REPLACEMENT						X					2465	GS	12	1959
001-09	1/30/2009	SW	17	2S	11E	HEWITT STATION ROAD		MAIN REPLACEMENT						X						GS	12	1960
002-09	5/9/2009	NE	4	2S	12E	MAGMA PLATS/US 60 HIGHWAY		MAIN REPLACEMENT						X					20	GS	2	1942
003-09	8/18/2009	NE	3	2S	12E	STONE AVENUE & GIBBS STREET V#127		MAIN REPLACEMENT						X						GS	2	1940
004-09	10/8/2009	SE	3	2S	12E	651 BROWN STREET		SERVICE REPLACEMENT						X		1	GS	3/4				1937
005-09	10/8/2009	SW	35	1S	12E	83 N PINAL DRIVE		SERVICE REPLACEMENT						X		1	GS	3/4				1940

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
006-09	11/20/2009	SE	35	1S	12E	265 & 365 A MAGMA AVENUE		SERVICE REPLACEMENT						X		2	OTHER	3/4				1967
001-10	11/22/2010	SW	36	1S	12E	QUEEN CREEK LINE	8	MAIN REPAIR						X						CI	8	1974
002-10	11/22/2010	SW	36	1S	12E	QUEEN CREEK LINE	8	MAIN REPAIR						X						CI	8	1974
003-10	11/22/2010	SW	36	1S	12E	QUEEN CREEK LINE	1	MAIN REPAIR						X						CI	8	1974
004-10	11/22/2010	SW	36	1S	12E	QUEEN CREEK LINE	1	MAIN REPAIR						X						CI	8	1974
005-10	11/22/2010	SW	36	1S	12E	QUEEN CREEK LINE	1	MAIN REPAIR						X						CI	8	1974
006-10	12/8/2010	SE	35	1S	12E	LOBB STREET	10	MAIN REPAIR						X						PVC	2	1980
007-10	12/9/2010	NW	36	1S	12E	QUEEN CREEK LINE	3.5	MAIN REPAIR						X						CI	8	1974
008-10	12/9/2010	SW	36	1S	12E	QUEEN CREEK LINE	3.5	MAIN REPAIR						X						CI	8	1974
009-10	12/9/2010	SW	36	1S	12E	QUEEN CREEK LINE	3.5	MAIN REPAIR						X						CI	8	1974
010-10	12/9/2010	NW	36	1S	12E	QUEEN CREEK LINE	2	MAIN REPAIR						X						CI	8	1974
011-10	12/13/2010	NW	36	1S	12E	QUEEN CREEK LINE	2	MAIN REPAIR						X						CI	8	1974
012-10	12/13/2010	NW	36	1S	12E	QUEEN CREEK LINE	2	MAIN REPAIR						X						CI	8	1974
013-10	12/13/2010	NW	36	1S	12E	QUEEN CREEK LINE	1.5	MAIN REPAIR						X						CI	8	1974
014-10	12/14/2010	NW	36	1S	12E	QUEEN CREEK LINE	1.5	MAIN REPAIR						X						CI	8	1974
015-10	12/14/2010	NW	36	1S	12E	QUEEN CREEK LINE	1.5	MAIN REPAIR						X						CI	8	1974
016-10	12/14/2010	NW	36	1S	12E	QUEEN CREEK LINE	1.5	MAIN REPAIR						X						CI	8	1974
017-10	12/14/2010	NW	36	1S	12E	QUEEN CREEK LINE	1.5	MAIN REPAIR						X						CI	8	1974
018-10	12/16/2010	SW	36	1S	12E	QUEEN CREEK LINE	3.5	MAIN REPAIR						X						CI	8	1974
019-10	12/16/2010	NW	36	1S	12E	QUEEN CREEK LINE	3.5	MAIN REPAIR						X						CI	8	1974
020-10	12/16/2010	SW	36	1S	12E	QUEEN CREEK LINE	3.5	MAIN REPAIR						X						CI	8	1974
021-10	12/16/2010	SW	36	1S	12E	QUEEN CREEK LINE	3.5	MAIN REPAIR						X						CI	8	1974
022-10	12/16/2010	SW	36	1S	12E	QUEEN CREEK LINE	3.5	MAIN REPAIR						X						CI	8	1974
023-10	12/16/2010	SW	36	1S	12E	QUEEN CREEK LINE	3.5	MAIN REPAIR						X						CI	8	1974
024-10	12/27/2010	SW	3	2S	12E	827 W BROWN STREET	8	MAIN REPAIR						X						GS	1 1/4	1956
025-10	12/21/2010	SW	36	1S	12E	QUEEN CREEK LINE @3600'	5	MAIN REPAIR						X						CI	8	1974
026-10	12/21/2010	SW	36	1S	12E	QUEEN CREEK LINE @3800'	5	MAIN REPAIR						X						CI	8	1974
027-10	12/21/2010	SW	36	1S	12E	QUEEN CREEK LINE @4000'	5	MAIN REPAIR						X						CI	8	1974
028-10	12/28/2010	SW	36	1S	12E	QUEEN CREEK LINE @1436'	2	MAIN REPAIR						X						CI	8	1974
029-10	12/28/2010	SW	36	1S	12E	QUEEN CREEK LINE @1454'	2	MAIN REPAIR						X						CI	8	1974
030-10	12/28/2010	SW	36	1S	12E	QUEEN CREEK LINE @1620'	2	MAIN REPAIR						X						CI	8	1974
031-10	12/17/2010	SE	35	1S	12E	189 W COPPER STREET	12	MAIN REPAIR						X						CA	4	1974
032-10	12/25/2010	SW	3	2S	12E	847 W SPRAY STREET	12	MAIN REPAIR						X						CA	3	1956
033-10	6/10/2010	NE	3	2S	12E	WRIGHT STREET & WESTERN AVENUE		MAIN REPLACEMENT						X		1			30	GS	2	1940
034-10	6/10/2010	NE	3	2S	12E	495 WRIGHT STREET		SERVICE REPLACEMENT						X		1	OTHER	3/4				1940
035-10	10/25/2010	SE	3	2S	12E	538 BROWN STREET		SERVICE REPLACEMENT						X		1	GS	3/4				1937
036-10	11/10/2010	NE	3	2S	12E	939 E CONTESSA		SERVICE REPLACEMENT						X		1	POLY	3/4				1957
037-10	11/12/2010	SE	3	2S	12E	533 BROWN STREET		SERVICE REPLACEMENT						X		1	GS	3/4				1937
038-10	12/8/2010	SE	35	1S	12E	199 N LOBB AVENUE		SERVICE REPAIR						X		1	PVC	2				1980

APPENDIX

9.1.2

Leak and Break Repair History

Oracle water system

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
Oracle																						
01-71	8/10/1971	NE	36	9S	15E	860 AMERICAN AVENUE	16	SERVICE REPLACEMENT				X				1	POLY	3/4				1962
02-71	1/25/1971	NE	36	9S	15E	1010 E LOGAN STREET	12	SERVICE REPLACEMENT				X				1	POLY	3/4				1991
01-73	9/18/1973	NE	36	9S	15E	LOGAN STREET & JOHN ADAMS STREET		MAIN REPLACEMENT				X							20	CA	4	1962
01-77	11/18/1977	SE	35	9S	15E	LOS ROBLES ROAD	4	SERVICE REPLACEMENT				X				1	CU	1				
01-78	4/25/1978	NE	35	9S	15E	LOS ROBLES ROAD	4	SERVICE REPLACEMENT				X				1	GS	3/4				
02-78	2/27/1978	NW	36	9S	15E	AMERICAN AVENUE	6	SERVICE REPLACEMENT				X				1	GS	2				
03-78	10/17/1978	NW	36	9S	15E	COLLEGE AVENUE	4	SERVICE REPLACEMENT				X				1	POLY	1				
01-88	9/8/1988	NE	34	9S	15E	1865 PASEO REDONDO	6	SERVICE REPLACEMENT				X				1	POLY	3/4				1962
02-88	11/25/1988	NE	36	9S	15E		6	MAIN REPLACEMENT				X										
01-89	2/6/1989	NW	36	9S	15E	CHERRY & MAPLE STREET	24	SERVICE REPLACEMENT				X				1	POLY	3/4				1962
01-91	12/10/1991	NE	36	9S	15E		6	SERVICE REPLACEMENT				X				1	POLY	1				
01-92	6/9/1992	NW	26	9S	15E	ORACLE RANCH ROAD	4	SERVICE REPLACEMENT				X				1	POLY	1				
02-92	4/7/1992	NW	36	9S	15E	MOUNTAIN VIEW PLACE	6	SERVICE REPLACEMENT				X				1	POLY	1				1982
01-95	10/16/1995	SW	31	9S	15E	TIMBERLINE	4	SERVICE REPLACEMENT				X				1	PVC	1				1962
02-95	8/9/1995	NW	36	9S	15E	OLD HIGHWAY 77 & AMERICAN AVENUE	4	SERVICE REPLACEMENT				X				1	PVC	3/4				1976
03-95	10/16/1995	SW	31	9S	15E	TIMBERLINE	4	SERVICE REPLACEMENT				X				1	PVC	3/4				1962
04-95	8/26/1995	SE	36	9S	15E	CODY LOOP	4	SERVICE REPLACEMENT				X				1	PVC	3/4				
01-96	11/8/1996	NE	34	9S	15E	2320 & 2340 PASEO REDONDO	18	SERVICE REPLACEMENT				X				1	POLY	3/4				1966
02-96	11/14/1996	SE	27	9S	15E	2335 CALLE VALENCIA	16	SERVICE REPLACEMENT				X				1	POLY	3/4				1966
03-96	3/14/1996	SE	36	9S	15E	670 CEDAR RIDGE	16	SERVICE REPLACEMENT				X				1	POLY	3/4				1972
01-97	3/28/1997	SW	28	9S	15E	HIGHWAY 77	6	SERVICE REPLACEMENT				X				1	PVC	1				3/28/1997
02-97	5/12/1997	SE	36	9S	15E	1491 EMILLIE CIRCLE	4	SERVICE REPLACEMENT				X				1	CU	3/4				5/12/1997
03-97	10/17/1997	SE	35	9S	15E	LAS FLORES	4	MAIN REPLACEMENT				X							145	GS	2	10/17/1997
01-98	9/8/1998	NE	34	9S	15E	1865 PASEO REDONDO	4	OTHER			X						POLY	3/4				1962
02-98	11/2/1998	SE	26	9S	15E	185 ROCK RIDGE	4	OTHER			X						CU	3/4				1962
03-98	9/9/1998	NE	27	9S	15E	HIGHWAY 77	4	SERVICE REPAIR					X			1						1973
04-98	11/3/1998	SW	26	9S	15E	930 GATEWAY	1	SERVICE REPLACEMENT					X			1						1962
01-99	10/29/1999	SW	35	9S	15E	TWO O'CLOCK HILL	4	SERVICE REPLACEMENT				X				1	POLY	3/4				1967
02-99	9/13/199	SE	35	9S	15E	575 ROBLES ROAD	4	SERVICE REPLACEMENT				X				1	POLY	3/4				1959
01-00	7/13/2000	NE	27	9S	15E	2565 SONBERG	4	SERVICE REPLACEMENT				X				1	POLY	3/4				1973
02-00	7/7/2000	SE	36	9S	15E	99 ALTA LOMA	4	SERVICE REPLACEMENT				X				1	POLY	3/4				1977
01-01	6/27/2001	NE	27	9S	15E	2160 BEVERLY CIRCLE	4	SERVICE REPLACEMENT			X					1	POLY	3/4				1973
02-01	6/27/2001	NW	27	9S	15E	2280 BEVERLY CIRCLE	4	SERVICE REPLACEMENT			X					1	POLY	3/4				1973
03-01	6/27/2001	SE	22	9S	15E	3310 DONALD DRIVE	4	SERVICE REPLACEMENT			X					1	POLY	3/4				1973
01-02	1/13/2002	NE	27	9S	15E	2205 BEVERLY CIRCLE	4	SERVICE REPLACEMENT				X				1	POLY	3/4				1973
02-02	10/16/2002	SW	36	9S	15E	680 EVERGREEN STREET	4	SERVICE REPLACEMENT				X				1	POLY	3/4				1973
03-02	10/16/2002	NW	27	9S	15E	2685 BEVERLY CIRCLE	4	SERVICE REPLACEMENT				X				1	POLY	3/4				1973
04-02	8/27/2002	SE	27	9S	15E	2370 & 2400 EL PASEO	8	SERVICE REPLACEMENT				X				1	POLY	3/4				1962
05-02	9/4/2002	SW	31	9S	15E	720 TIMBERLINE ROAD	6	SERVICE REPLACEMENT				X				1	POLY	3/4				1962
01-03	12/30/2003	SE	35	9S	15E	242 BIG ROCK DRIVE	1	OTHER						X				5/8				2003
02-03	6/26/2003	SE	28	9S	15E	HIGHWAY 77	4	SERVICE REPLACEMENT				X				1	POLY	1				1975

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
03-03	1/8/2003	NW	27	9S	15E	2205 BEVERLY CIRCLE	2	SERVICE REPLACEMENT			X					1	POLY	3/4				1973
04-03	7/8/2003	SW	28	9S	15E	4465 HIGHWAY 77	3	SERVICE REPLACEMENT			X					1	POLY	1				1975
05-03	8/12/2003	NW	36	9S	15E	539 MOUNTAIN VIEW	6	SERVICE REPLACEMENT		X						1	POLY	1				1982
06-03	8/28/2003	NW	27	9S	15E	2075 BEVERLY CIRCLE	2	SERVICE REPAIR		X							POLY	1				1973
07-03	9/8/2003	NW	36	9S	15E	1005 EVERGREEN	7	SERVICE REPLACEMENT				X				1	POLY	3/4				1979
08-03	9/15/2003	NE	35	9S	15E	670 LINDA VISTA	6	SERVICE REPLACEMENT				X				1	POLY	3/4				1978
09-03	9/23/2003	NE	27	9S	15E	3125 BEVERLY CIRCLE	7	SERVICE REPLACEMENT				X				1	POLY	3/4				1973
10-03	8/22/2003	SW	36	9S	15E	710 ESTILL DRIVE	6	SERVICE REPLACEMENT				X				1	POLY	3/4				1974
11-03	6/19/2003	NE	27	9S	15E	2865 SONBERG	6	SERVICE REPLACEMENT				X				1	POLY	3/4				1973
12-03	6/25/2003	NE	35	9S	15E	590 CAMINO YUCCA	7	SERVICE REPLACEMENT				X				1	POLY	3/4				1970
13-03	2/18/2003	NW	26	9S	15E	1070 BARBARA PLACE	4	SERVICE REPLACEMENT				X				1	POLY	1				1980
14-03	5/27/2003	NW	35	9S	15E	850 & 880 SUNSET AVENUE	5	SERVICE REPLACEMENT				X				1	POLY	1				1974
15-03	1/16/2003	SE	35	9S	15E	625 ROBLES ROAD	7	SERVICE REPLACEMENT				X				1	POLY	1				1974
16-03	1/27/2003	NE	36	9S	15E	980 E. MT LEMMON ROAD	5	SERVICE REPLACEMENT				X				1	POLY	3/4				1970
01-04	11/12/2004	NW	27	9S	15E	2040 BEVERLY CIRCLE	10	SERVICE REPLACEMENT				X				1	POLY	3/4				1973
02-04	10/9/2004	NW	27	9S	15E	2025 BEVERLY CIRCLE	16	SERVICE REPLACEMENT		X						1	POLY	3/4				1973
03-04	8/4/2004	NW	27	9S	15E	2460 BEVERLY CIRCLE	12	SERVICE REPLACEMENT		X						1	POLY	3/4				1973
04-04	11/15/2004	NE	27	9S	15E	2010 BEVERLY CIRCLE	16	SERVICE REPLACEMENT				X				1	POLY	3/4				1973
05-04	10/25/2004	NW	27	9S	15E	2220 BEVERLY CIRCLE	12	SERVICE REPLACEMENT				X				1	POLY	3/4				1973
06-04	7/20/2004	NW	27	9S	15E	2665 BEVERLY CIRCLE	9	SERVICE REPLACEMENT				X				1	POLY	3/4				1975
07-04	7/15/2004	NW	27	9S	15E	2245 BEVERLY CIRCLE	4	SERVICE REPLACEMENT		X						1	POLY	3/4				1976
08-04	6/30/2004	NW	27	9S	15E	2640 BEVERLY CIRCLE	4	SERVICE REPLACEMENT				X				1	POLY	3/4				1976
09-04	6/30/2004	NW	27	9S	15E	2595 BEVERLY CIRCLE	6	SERVICE REPLACEMENT				X				1	POLY	3/4				1976
10-04	12/3/2004	NE	27	9S	15E	2225 HAROLD DRIVE	20	SERVICE REPLACEMENT				X				1	POLY	3/4				1973
11-04	10/4/2004	NE	27	9S	15E	2740 SONBERG	24	SERVICE REPLACEMENT								1	POLY	3/4				1973
12-04	12/15/2004	SW	23	9S	15E	3537 APACHE JOE	1	SERVICE REPLACEMENT					X			1	CU	3/4				1980
13-04	9/15/2004	NE	36	9S	15E	1005 AMERICAN AVENUE	12	SERVICE REPLACEMENT				X				1	POLY	3/4				1962
14-04	9/16/2004	SW	26	9S	15E	1535 AMERICAN AVENUE	12	SERVICE REPLACEMENT			X					1	CU	3/4				1960
15-04	12/3/2004	SE	26	9S	15E	1720 SUNSET POINT	1	OTHER					X				POLY	3/4				1966
16-04	5/24/2004	NE	27	9S	15E	2680 & 2740 SONBERG	12	SERVICE REPAIR		X							POLY	3/4				1973
17-04	7/9/2004	NW	35	9S	15E	1256 NEAL STREET	4	SERVICE REPAIR		X							POLY	3/4				1991
18-04	7/26/2004	SW	26	9S	15E	910 RITO CIRCLE	16	SERVICE REPLACEMENT				X				1	POLY	3/4				1962
19-04	10/22/2004	SW	35	9S	15E	800 CALLE FUTURA	16	SERVICE REPLACEMENT				X				1	POLY	3/4				1960
20-04	5/26/2004	SW	36	9S	15E	155 VIENTO	8	SERVICE REPLACEMENT				X				1	POLY	3/4				1962
01-05	1/27/2005	SW	26	9S	15E	340 AMERICAN AVENUE	1	OTHER						X			UNKNOWN	3/4				
02-05	1/18/2005	SW	36	9S	15E	755 N CHURCH DRIVE	1	OTHER					X				UNKNOWN	3/4				1972
03-05	1/14/2005	SE	33	9S	15E	3921 W LOMA LINDA	1	OTHER						X			UNKNOWN	3/4				1979
04-05	3/7/2005	SE	26	9S	15E	1720 SUNSET POINT DRIVE	1	OTHER						X			UNKNOWN	3/4				1966
05-05	5/23/2005	NE	35	9S	15E	295 AMERICAN AVENUE	1	OTHER					X				UNKNOWN	3/4				1992
06-05	8/12/2005	NW	3	10S	14E	HWY 77-ORACLE JUNCTION	8	MAIN REPAIR		X							OTHER					1959
07-05	8/24/2005	NW	27	9S	15E	2555 BEVERLY CIRCLE	5	SERVICE REPLACEMENT		X						1	POLY	3/4				1973
08-05	6/2/2005	NE	27	9S	15E	2745 ROCKCLIFF BOULEVARD	8	SERVICE REPLACEMENT				X				3	POLY	1				1973

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
09-05	9/29/2005	SW	26	9S	15E	1475 AMERICAN AVENUE	1	OTHER					X				POLY					1960
10-05	5/2/2005	NE	27	9S	15E	2860 BEVERLY CIRCLE	4	SERVICE REPLACEMENT		X						1	POLY	3/4				1970
11-05	6/23/2005	SE	36	9S	15E	940 NUESTRO	1	OTHER					X				UNKNOWN					1962
12-05	12/3/2005	NW	26	9S	15E	1620 ORACLE RANCH ROAD	4	SERVICE REPLACEMENT					X			1	POLY	1				1980
13-05	12/8/2005	NE	27	9S	15E	2860 SONBERG	8	SERVICE REPLACEMENT			X					1	POLY	3/4				1973
14-05	5/26/2005	NE	27	9S	15E	2790 ROCKCLIFF BOULEVARD	4	SERVICE REPLACEMENT		X						1	POLY	3/4				1973
15-05	7/28/2005	NE	36	9S	15E	JEFFERSON DRIVE	8	MAIN REPLACEMENT		X						1		4				1974
16-05	6/29/2005	NW	26	9S	15E	1665 ORACLE RANCH ROAD	4	SERVICE REPLACEMENT		X						1	POLY					1980
17-05	5/28/2005	NE	27	9S	15E	2285 BEVERLY CIRCLE	4	SERVICE REPLACEMENT		X						1	POLY	3/4				1973
18-05	12/1/2005	SW	31	9S	16E	1860 TIMBERLINE	4	SERVICE REPLACEMENT				X				1	POLY	3/4				1971
19-05	8/9/2005	SW	26	9S	15E	840 RITO CIRCLE	4	SERVICE REPAIR		X							POLY	3/4				1972
20-05	10/29/2005	NE	27	9S	15E	2545 SONBERG	4	SERVICE REPAIR		X							POLY	3/4				1973
21-05	7/14/2005	SE	36	9S	15E	560 CEDAR RIDGE DRIVE	24	SERVICE REPLACEMENT			X					1	POLY	3/4				1962
22-05	4/21/2005	NW	6	10S	16E	525 CODY LOOP	8	SERVICE REPLACEMENT		X						1	POLY	3/4				1970
23-05	5/24/2005	NE	35	9S	15E	845 ROBLES STREET	8	SERVICE REPLACEMENT				X				1	POLY	3/4				1970
24-05	9/2/2005	SE	36	9S	15E	710 JOHN ADAMS	8	SERVICE REPLACEMENT		X						1	POLY	3/4				1970
25-05	12/8/2005	NE	36	9S	15E	1560 JOHN ADAMS	8	SERVICE REPLACEMENT				X				1	POLY	3/4				1972
26-05	10/8/2005	SW	36	9S	15E	405 ESTLL	8	SERVICE REPLACEMENT		X						1	POLY	3/4				1978
01-06	1/30/2006	NW	17	10S	14E	BOOSTER# 2/HIGHWAY 77	6	MAIN REPAIR		X							OTHER	6		CA	6	1959
02-06	6/5/2006	NE	35	9S	15E	670 LINDA VISTA ROAD	9	SERVICE REPLACEMENT				X				1	POLY	3/4				1978
03-06	6/17/2006	NE	27	9S	15E	2225 HAROLD DRIVE	6	SERVICE REPLACEMENT				X				1	POLY	3/4				1973
04-06	6/27/2006	NW	36	9S	15E	1065 EVERGREEN	12	SERVICE REPLACEMENT				X				1	POLY	1				1962
05-06	7/12/2006	NE	36	9S	15E	1105 JOHN ADAMS	8	SERVICE REPLACEMENT				X				1	POLY	3/4				1962
06-06	7/17/2006	SW	35	9S	15E	765 TWO O' CLOCK HILL	2	SERVICE REPAIR		X							POLY	3/4				1967
07-06	7/21/2006	SW	35	9S	15E	670 TWO O' CLOCK HILL	12	SERVICE REPLACEMENT				X				1	POLY	3/4				1967
08-06	7/21/2006	SW	35	9S	15E	790 TWO O' CLOCK HILL	16	SERVICE REPLACEMENT				X				1	POLY	3/4				1967
09-06	7/25/2006	NE	36	9S	15E	1010 MT. LEMMON HIGHWAY	9	SERVICE REPLACEMENT				X				1	POLY	3/4				1993
10-06	8/3/2006	NE	32	9S	15E	HWY 77 & MP 98.5	4	SERVICE REPLACEMENT		X						1	CU	3/4				1996
11-06	9/15/2006	NE	34	9S	15E	2405 CALLE VALENCIA	2	SERVICE REPAIR		X							POLY	1				1962
12-06	8/15/2006	SE	27	9S	15E	2405 CAMINO AMIGO	4	SERVICE REPLACEMENT				X				1	POLY	3/4				1970
13-06	10/8/2006	NE	27	9S	15E	2165 HAROLD DRIVE	3	SERVICE REPLACEMENT				X				1	POLY	3/4				1973
14-06	10/11/2006	SW	35	9S	15E	435 & 455 CHAPARRAL DRIVE	3	SERVICE REPAIR		X							POLY	3/4				1961
15-06	10/19/2006	SE	36	9S	15E	65 CODY LOOP	7	SERVICE REPLACEMENT		X						1	POLY	3/4				1981
16-06	11/1/2006	SW	35	9S	15E	435 CHAPARRAL DRIVE	9	SERVICE REPLACEMENT						X		1	GS	1				1961
17-06	11/5/2006	NW	36	9S	15E	20 GRANT STREET	12	SERVICE REPLACEMENT				X				1	POLY	3/4				1973
18-06	11/30/2006	NW	17	10S	14E	BOOSTER# 2/HIGHWAY 77	16	MAIN REPAIR		X						0	OTHER	6		CA		1959
19-06	3/21/2006	NE	34	9S	15E	CALLE VALENCIA & CALLE ZAMORA	12	SERVICE REPLACEMENT				X				1	OTHER	4				1973
01-07	8/1/2007	SE	27	9S	15E	AMIGO STREET	10	SERVICE REPLACEMENT						X		1	POLY					1996
02-07	6/22/2007	NE	27	9S	15E	BEVERLY CIRCLE	12	SERVICE REPAIR						X			POLY	3/4				1973
03-07	6/22/2007	SE	27	9S	15E	1767 CALLE FUTURA		SERVICE REPAIR						X								
04-07	8/22/2007	SE	27	9S	15E	1725 CALLE VALENCIA	8	SERVICE REPLACEMENT				X				1	POLY	3/4				
05-07	1/31/2007	SE	27	9S	15E	1705 CALLE VALENCIA	8	SERVICE REPLACEMENT				X				1	POLY	3/4	49			1972

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
06-07	1/12/2007	SW	35	9S	15E	435 CHAPARRAL	8	SERVICE REPLACEMENT				X				1	GS	1	24			1961
07-07	5/7/2007	SW	36	9S	15E	145 CALLE SIN NOMBRE	8	SERVICE REPLACEMENT				X				1	POLY	3/4	40			1972
08-07	5/2/2007	NE	36	9S	15E	MT. LEMMON HIGHWAY	8	SERVICE REPLACEMENT				X				1	POLY	1	60			1970
09-07	1/31/2007	SE	27	9S	15E	2365 VALENCIA REDONDO	8	SERVICE REPLACEMENT				X				1	POLY	3/4	9			1972
10-07	8/17/2007	NW	36	9S	15E	867 MOUNTAIN VIEW DRIVE	4	SERVICE REPAIR		X							POLY					1982
11-07	8/30/2007	NE	27	9S	15E	2545 SONBERG	8	SERVICE REPLACEMENT		X						1	POLY					1973
12-07	8/28/2007	SE	27	9S	15E	1759 CALLE FUTURA	8	SERVICE REPLACEMENT		X						1	POLY					1962
13-07	1/23/2007	SE	27	9S	15E	1700 CALLE VALENCIA	8	SERVICE REPLACEMENT		X						1	POLY					1962
14-07	7/27/2007	NE	36	9S	15E	1330 JOHN ADAMS STREET	8	SERVICE REPLACEMENT		X						1	POLY					1962
15-07	7/27/2007	NE	27	9S	15E	2150 HAROLD DRIVE	8	SERVICE REPLACEMENT		X						1	POLY					1973
16-07	7/14/2007	NW	26	9S	15E	1540 ORACLE RANCH ROAD	8	SERVICE REPLACEMENT		X						1	POLY					1980
17-07	10/25/2007	SE	36	9S	15E	410 CEDAR RIDGE DRIVE	4	SERVICE REPAIR		X							POLY	3/4				1974
18-07	10/10/2007	NE	27	9S	15E	2190 BEVERLY CIRCLE	8	SERVICE REPLACEMENT		X						1	POLY					1973
19-07	8/13/2007	SE	27	9S	15E	1759 CALLE FUTURA	4	SERVICE REPAIR		X							POLY					1962
20-07	1/24/2007	NE	34	9S	15E	VALENCIA STREET	8	SERVICE REPLACEMENT						X		1	POLY	1				1962
21-07	6/22/2007	NE	27	9S	15E	ROCKCLIFF BOULEVARD	12	SERVICE REPLACEMENT						X		2	POLY	3/4				1973
22-07	1/1/2007	NW	17	10S	14E	BOOSTER #2/ORACLE HIGHWAY	35	SERVICE REPLACEMENT						X		1	OTHER	12				1959
23-07	8/1/2007					ESTILL STREET	11	SERVICE REPAIR						X			POLY					
24-07	6/27/2007					BEVERLY CIRCLE	9	SERVICE REPLACEMENT						X		1	POLY					
01-08	10/23/2008	SW	35	9S	15E	13 BACHMAN WASH ROAD	1	SERVICE REPAIR					X				POLY	3/4				1988
02-08	6/10/2008	NW	6	10S	16E	CODY LOOP & DURANT	24	SERVICE REPAIR						X			POLY	1				1981
03-08	8/26/2008	NW	6	10S	16E	85 HOBE ROAD	12	SERVICE REPLACEMENT		X						1	POLY	3/4				1985
04-08	7/18/2008	NE	35	9S	15E	335 AMERICAN AVENUE	12	SERVICE REPAIR		X							POLY	3/4				1967
05-08	8/6/2008	SE	27	9S	15E	1759 CALLE FUTURA	14	SERVICE REPLACEMENT		X						1	POLY	3/4				1962
06-08	12/8/2008	SE	36	9S	15E	1005 NUESTRO DRIVE	14	SERVICE REPAIR		X							POLY	3/4				1962
07-08	4/22/2008	SE	36	9S	15E	850 PASEO ENCINO	18	SERVICE REPLACEMENT		X						1	POLY	3/4				1973
08-08	8/4/2008	SE	26	9S	15E	1715 SUNSET POINT DRIVE	18	SERVICE REPLACEMENT		X						1	POLY	3/4				1966
09-08	11/19/2008	NW	6	10S	16E	155 DURANT ROAD	12	SERVICE REPLACEMENT		X						1	POLY	1				1981
10-08	11/13/2008	SW	31	9S	16E	720 TIMBERLINE ROAD	1	SERVICE REPAIR					X			1	CU	3/4				1962
11-08	8/29/2008	NW	27	9S	15E	2520 BEVERLY CIRCLE	16	SERVICE REPLACEMENT		X							POLY	1				1973
12-08	2/27/2008	NE	27	9S	15E	2760 BEVERLY CIRCLE	16	SERVICE REPLACEMENT		X						1	POLY	1				1973
13-08	5/16/2008	NW	27	9S	15E	2555 BEVERLY CIRCLE	12	SERVICE REPLACEMENT		X						1	POLY	1				1973
14-08	6/4/2008	NE	27	9S	15E	2285 BEVERLY CIRCLE	16	SERVICE REPLACEMENT		X						1	POLY	1				1973
15-08	4/21/2008	NE	27	9S	15E	SONBERG LANE	12	SERVICE REPLACEMENT						X		1	POLY	1				1973
16-08	7/2/2008	NE	27	9S	15E	ROCKCLIFF BOULEVARD	12	SERVICE REPLACEMENT						X		1	POLY	1				1973
17-08	7/21/2008	NE	27	9S	15E	SONBERG LANE	24	SERVICE REPAIR						X			OTHER					1973
18-08	2/19/2008	NE	27	9S	15E	SONBERG LANE	12	SERVICE REPLACEMENT						X		1	POLY	1				1973
19-08	1/31/2008	NE	27	9S	15E	SONBERG	16	SERVICE REPLACEMENT		X						1	POLY	3/4				1973
20-08	7/3/2008	NE	27	9S	15E	2725 ROCKCLIFF BOULEVARD	16	SERVICE REPLACEMENT		X						1	POLY	1				1973
21-08	4/21/2008	NE	27	9S	15E	2785 SONBERG LANE	16	SERVICE REPLACEMENT		X						1	POLY	1				1973
22-08	7/2/2008	NE	27	9S	15E	1875 HAROLD DRIVE	16	SERVICE REPLACEMENT				X				1	POLY	3/4				1973
23-08	4/25/2008	NW	17	9S	15E	HIGHWAY 77	20	SERVICE REPLACEMENT						X		1	OTHER	12				1990

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
24-08	4/22/2008	SW	36	9S	15E	ESTILL DRIVE	12	SERVICE REPLACEMENT						X		1	POLY	3/4				1982
25-08	2/20/2008				15E	SADDLEBROOKE RANCH	12	MAIN REPAIR						X		1	OTHER	12				2008
26-08	8/12/2008	NW	6	10S	16E	35 HOBE ROAD	16	SERVICE REPLACEMENT						X		1	POLY	3/4				1981
27-08	12/17/2008	SW	31	9S	15E	4240 MT. LEMMON ROAD	2	SERVICE REPAIR									POLY	3/4				1963
28-08	6/17/2008	SW	35	9S	15E	525 CHAPARRAL	1	SERVICE REPLACEMENT					X			1	CU	3/4				1961
29-08	10/24/2008	SE	34	9S	15E	2050 LINDA VISTA	2	SERVICE REPLACEMENT					X			1	CU	3/4				1996
30-08	7/11/2008	SW	36	9S	15E	480 ALTA LOMA	24	SERVICE REPLACEMENT				X				1	POLY	3/4				1980
31-08	7/16/2008	NE	36	9S	15E	1285 JUSTICE DRIVE	18	SERVICE REPLACEMENT				X				1	POLY	3/4				1975
01-09	11/2/2009	NE	35	9S	15E	375 GRANT STREET	12	SERVICE REPAIR		X							POLY	3/4				1961
02-09	9/18/2009	NE	35	9S	15E	375 GRANT STREET	4	SERVICE REPAIR		X							POLY	3/4				1961
03-09	7/17/2009	NW	27	9S	15E	2280 BEVERLY CIRCLE	12	SERVICE REPAIR		X							POLY	3/4				1973
04-09	7/14/2009	NW	26	9S	15E	1045 BARBARA PLACE	12	SERVICE REPAIR				X					POLY	3/4				1980
05-09	5/12/2009	NE	27	9S	15E	2765 BEVERLY CIRCLE	8	SERVICE REPAIR					X				POLY	3/4				1973
06-09	5/11/2009	NE	36	9S	15E	860 AMERICAN AVENUE	23	SERVICE REPAIR					X				POLY	3/4				1962
07-09	6/25/2009	NE	36	9S	15E	1120 JUSTICE DRIVE	8	SERVICE REPAIR		X							POLY	3/4				1962
08-09	4/15/2009	NE	36	9S	15E	1180 MT LEMMON HIGHWAY	6	SERVICE REPLACEMENT					X			1	POLY	3/4	100			1962
09-09	9/15/2009	NE	35	9S	15E	1013 ROBLES ROAD	6	SERVICE REPAIR		X							POLY	3/4				1959
10-09	7/31/2009	SW	31	9S	15E	350 TIMBERLILNE ROAD	5	SERVICE REPAIR		X							POLY	3/4				1962
11-09	7/16/2009	NW	26	9S	15E	1620 ORACLE RANCH ROAD	18	SERVICE REPLACEMENT				X				1	POLY	1	24			1980
12-09	9/16/2009	NW	26	9S	15E	1045 BARBARA PLACE	18	SERVICE REPLACEMENT		X						1	POLY	1	32			1980
13-09	6/24/2009	SE	36	9S	15E	770 N. CODY LOOP	4	SERVICE REPLACEMENT					X			1	POLY	3/4				1973
14-09	9/5/2009	SE	36	9S	15E	560 CEDAR RIDGE	2	SERVICE REPAIR					X				POLY	3/4				1974
15-09	7/11/2009	SW	31	9S	16E	90S BLAZING STAR	3	SERVICE REPLACEMENT					X			1	POLY	3/4				1972
16-09	11/12/2009	NW	27	9S	15E	2546 BEVERLY CIRCLE	2	SERVICE REPAIR					X				POLY	3/4				1974
17-09	11/13/2009	SE	27	9S	15E	AMERICAN AVENUE & CALLE FUTURA	2	MAIN REPAIR					X							CU	3/8	1997
01-10	12/15/2010	NE	36	9S	15E	1010 E. LOGAN	2	SERVICE REPAIR						X		0	OTHER	3/4"	N/A	N/A	N/A	1991
02-10	12/27/2010	SE	36	9S	15E	560 CEDAR RIDGE	20	SERVICE REPLACEMENT					X			1	POLY	3/4'	N/A	N/A	N/A	1974
03-10	7/23/2010	SE	36	9S	15E	560 CEDAR RIDGE	2	SERVICE REPAIR					X			0	POLY	3/4"	N/A	N/A	N/A	1974
04-10	8/29/2010	SW	35	9S	15E	1440 LINDA VISTA	8	SERVICE REPLACEMENT					X			2	POLY	1	N/A	N/A	N/A	1992
05-10	9/30/2010	SE	27	9S	15E	2200 CAMINO AMIGO	5	SERVICE REPLACEMENT					X			1	POLY	3/4	N/A	N/A	N/A	1966
06-10	5/17/2010	SE	27	9S	15E	340 AMERICAN AVENUE	2	SERVICE REPAIR					X				POLY	3/4	N/A	N/A	N/A	1960
07-10	6/9/2010	SW	26	9S	15E	1598 N. SUNSET POINT DRIVE	1	SERVICE REPAIR					X				POLY	3/4	N/A	N/A	N/A	1598
08-10	9/13/2010	NW	27	9S	15E	2795 OLSEN DRIVE	5	SERVICE REPLACEMENT					X			1	POLY	3/4				1973
09-10	1/27/2010	NE	27	9S	15E	2355 BEVERLY CIRCLE	2	SERVICE REPAIR					X				POLY	3/4				1973
10-10	7/26/2010	NW	26	9S	15E	1710 ORACLE RANCH ROAD	4	SERVICE REPAIR					X				POLY	1				1890
11-10	7/19/2010	NW	27	9S	15E	2795 OLSEN DRIVE	6	SERVICE REPAIR					X				POLY	3/4				1973
12-10	7/7/2010	SE	27	9S	15E	1995 AMERICAN AVENUE	1	MAIN REPAIR					X				OTHER				6	1962
13-10	5/20/2010	SW	26	9S	15E	950 GATEWAY STREET	2	SERVICE REPAIR					X				PVC	2				1972
14-10	10/25/2010	SE	27	9S	15E	2040 CAMINO AMIGO	4	SERVICE REPAIR					X				POLY	3/4				1966
15-10	9/15/2010	SE	27	9S	15E	1660 CALLE VALENCIA	5	SERVICE REPAIR					X				POLY	3/4				1962
16-10	7/26/2010	SW	36	9S	15E	375 ALTA LOMA	4	SERVICE REPAIR					X				POLY	3/4				1977
17-10	9/16/2010	SW	26	9S	15E	1640 SUNSET POINT DRIVE	3	MAIN REPLACEMENT				X					OTHER		10.5	CA	4	1962

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
18-10	9/7/2010	NW	35	9S	15E	835 SUNSET AVENUE	4	SERVICE REPAIR					X				POLY	3/4				1962
19-10	5/20/2010	NE	27	9S	15E	2580 ROCKCLIFF BOULEVARD	4	SERVICE REPLACEMENT				X				1	POLY	3/4				1973
20-10	11/23/2010	SE	36	9S	15E	405 CEDAR RIDGE DRIVE	1	SERVICE REPAIR					X				POLY	3/4				1974
21-10	9/23/2010	NW	27	9S	15E	2795 OLSEN DRIVE	8	SERVICE REPLACEMENT				X				1	POLY	3/4				1973
22-10	9/22/2010	NE	27	9S	15E	2520 ROCKCLIFF BOULEVARD	4	SERVICE REPLACEMENT				X				1	POLY	3/4				1980
23-10	6/24/2010	NE	34	9S	15E	2025 PASEO REDONDO	8	SERVICE REPLACEMENT				X				2	POLY	3/4				1970

APPENDIX

9.1.3

Leak and Break Repair History

Bisbee water system

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
Bisbee																						
001-82	11/17/1982	NW	23	23S	24E	87 COCHISE ROW		MAIN REPLACEMENT				X							13	CA	6	
001-83	1/5/1983	SW	9	23S	24E	473 N DART ROAD		MAIN REPAIR			3185	X								STEEL	4	1908
002-83	6/2/1983	SE	8	23S	24E	OHARA AVENUE		MAIN REPLACEMENT			X	X							78	STEEL	2	1908
001-86	1/14/1986	SW	9	23S	24E	112 WALSH AVENUE #A		MAIN REPLACEMENT			X	X							200	STEEL	2	1912
002-86	1/23/1986	NE	22	23S	24E	1 COCHISE ROW BEHIND PD WAREHOUSE		MAIN REPLACEMENT				X							244	STEEL	6	1917
001-87	11/4/1987	NE	22	23S	24E	113 PARK AVENUE		MAIN REPLACEMENT			X	X							200	STEEL	3/4	1917
001-88	8/3/1988	NW	9	23S	24E	250 BREWERY AVENUE		MAIN REPLACEMENT			X	X							60	STEEL	2	1912
001-89	1/3/1989	SW	9	23S	24E	47 OK STREET #B		MAIN REPLACEMENT			X	X							21	GS	2	1959
001-93	6/10/1993	SE	15	23S	24E	107 PARK AVENUE		MAIN REPLACEMENT			X	X							42	STEEL	2	1922
001-94	1/10/1994	NW	23	23S	24E	COLE AVENUE & BISBEE ROAD		MAIN REPLACEMENT			11304	X							41	CA	6	1960
002-94	1/14/1994	NW	9	23S	24E	150 BREWERY AVENUE		SERVICE REPLACEMENT	X								PVC	3/4				1975
003-94	2/2/1994	NW	28	23S	24E	N WASHINGTON AVENUE		SERVICE REPLACEMENT	X											GS	1	1912
004-94	2/25/1994	SE	23	23S	24E	60 BLACK KNOB VIEW		MAIN REPLACEMENT	X		11309								15	GS	1	1908
005-94	3/9/1994	SW	23	23S	24E	208 CENTER AVENUE		MAIN REPLACEMENT	X		11309								60	GS	3/4	1916
006-94	4/4/1994	SW	9	23S	24E	151 OK STREET		MAIN REPLACEMENT			X	X							105	GS	1 1/2	1924
007-94	4/4/1994	NW	9	23S	24E	213 YOUNGBLOOD HILL		MAIN REPLACEMENT			X	X							42	STEEL	1 1/4	1924
008-94	6/1/1994	SE	23	23S	24E	211 HAZZARD STREET		SERVICE REPAIR									STEEL	3/4				1908
009-94	6/6/1994	SW	9	23S	24E	207 YOUNG BLOOD HILL #B		SERVICE REPAIR	X											STEEL	3/4	1921
010-94	6/6/1994	SW	9	23S	24E	41 TEMBY AVENUE		SERVICE REPAIR	X											PVC	1	1976
011-94	6/6/1994	SW	9	23S	24E	15 TEMBY AVENUE		SERVICE REPLACEMENT	X							1	PVC	3/4				1976
012-94	6/8/1994	NE	15	23S	24E	400 N WINWOOD ROAD		MAIN REPAIR	X											PVC	1	1980
013-94	6/14/1994	NE	15	23S	24E	420 N WINWOOD ROAD		MAIN REPAIR	X											PVC	1	1980
014-94	6/17/1994	NE	8	23S	24E	39 LAUNDRY HILL #D		MAIN REPAIR	X											GS	1	1908
015-94	6/17/1994	NE	8	23S	24E	39 LAUNDRY HILL #D		MAIN REPAIR	X											GS	1	
016-94	6/17/1994	NE	8	23S	24E	39 LAUNDRY HILL #D		MAIN REPAIR	X											GS	1	
017-94	6/17/1994	NE	8	23S	24E	39 LAUNDRY HILL #D		MAIN REPAIR	X											GS	1	
018-94	6/27/1994	NW	9	23S	24E	147 BREWERY AVENUE		SERVICE REPAIR	X								PVC	3/4				1975
019-94	6/29/1994	SE	15	23S	24E	103 PARK AVENUE		SERVICE REPAIR	X								PVC	3/4				1980
020-94	7/14/1994	SE	23	23S	24E	513 CAMPBELL STREET		SERVICE REPAIR	X								PVC	3/4				1980
021-94	7/29/1994	SW	14	23S	24E	104 A STREET		MAIN REPAIR	X											STEEL	6	1952
022-94	8/5/1994	NE	5	24S	24E	2336 S BOWERS STREET		SERVICE REPAIR	X								PVC	3/4				1980
023-94	8/5/1994	SW	23	23S	24E	608 HOVLAND STREET		SERVICE REPAIR	X								STEEL	3/4				1908
024-94	8/10/1994	NE	5	24S	24E	2260 S BOWERS STREET		SERVICE REPAIR	X								PVC	1				1980
025-94	8/18/1994	NW	33	23S	24E	130 NACO HIGHWAY		MAIN REPAIR	X											PVC	3/4	1968
026-94	9/26/1994	SE	8	23S	24E	139 CLAWSON AVENUE		MAIN REPAIR	X											GS	1	1908
027-94	10/6/1994	NE	5	24S	24E	2058 S KENTUCKY LANE		SERVICE REPLACEMENT	X							1	PVC	3/4		CU		
028-94	10/7/1994	NE	5	24S	24E	2330 S BOWERS STREET		SERVICE REPAIR	X								PVC	1				1980
029-94	10/7/1994	NE	5	24S	24E	2314 S BARNETT ROAD		SERVICE REPAIR	X								PVC	3/4				1980
030-94	10/7/1994	SE	8	23S	24E	172 QUALITY HILL		SERVICE REPAIR	X								PVC	1				1978
031-94	10/21/1994	SE	8	23S	24E	9 ART AVENUE		MAIN REPAIR	X											STEEL	1 1/2	1912
032-94	11/1/1994	SE	23	23S	24E	607 CAMPBELL STREET		MAIN REPAIR	X											CI	6	1908

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
033-94	11/22/1994	SW	23	23S	24E	304 HOVLAND STREET		SERVICE REPAIR	X								STEEL	3/4				1908
034-94	11/28/1994	NW	28	23S	24E	N WASHINGTON AVENUE		SERVICE REPLACEMENT	X											CU	1	1993
035-94	12/8/1994	NW	28	23S	24E	507 N HARRISON AVENUE		MAIN REPLACEMENT	X											STEEL	1	1912
036-94	12/9/1994	SW	9	23S	24E	116 CLAWSON AVENUE		MAIN REPAIR	X											GS	3	1942
037-94	12/12/1994	NW	28	23S	24E	507 N HARRISON AVENUE		MAIN REPLACEMENT	X											STEEL	1	1912
038-94	12/28/1994	SE	15	23S	24E	125 PARK AVENUE		MAIN REPAIR	X										1	STEEL	1/2	1952
001-95	1/13/1995	NW	28	23S	24E	507 N HARRISON AVENUE		MAIN REPLACEMENT	X											STEEL	1	1912
002-95	1/18/1995	SE	8	23S	24E	424 MASON HILL STREET #C		SERVICE REPAIR	X								GS	1/2				1941
003-95	1/18/1995	SE	8	23S	24E	424 MASON HILL STREET #D		SERVICE REPAIR	X								GS	1/2				1941
004-95	1/23/1995	SE	15	23S	24E	107 PARK AVENUE		MAIN REPAIR	X											GS	1	1920
005-95	3/21/1995	SW	9	23S	24E	52 MAIN STREET		MAIN REPAIR	X											STEEL	1	1950
006-95	3/22/1995	NW	28	23S	24E			MAIN REPAIR			11330	X								GS	1	1995
007-95	4/11/1995	NE	8	23S	24E	437 MAYER AVENUE		SERVICE REPAIR	X								STEEL	1/2				1922
008-95	4/13/1995	SE	23	23S	24E	19 COCHISE TRAIL		SERVICE REPAIR	X								GS	1/2				1908
009-95	4/13/1995	SE	14	23S	24E	506 M STREET		SERVICE REPAIR	X								CU	3/4				1952
010-95	4/17/1995	NE	5	24S	24E	1951 S BARNETT ROAD		SERVICE REPAIR	X								PVC	3/4				1980
011-95	7/6/1995	NW	23	23S	24E	605 BISBEE ROAD		SERVICE REPAIR	X								PVC	3/4				
012-95	7/17/1995	NE	5	24S	24E	1983 S BARNETT ROAD		SERVICE REPAIR	X								PVC	3/4				1980
001-99	1/19/1999	SW	9	23S	24E	20 SOWELS AVENUE		MAIN REPAIR	X										STEEL	2		1968
002-99	1/25/1999	NW	15	23S	24E	305 W HIGHWAY 80		SERVICE REPLACEMENT	X		13482					1	CU	1				2000
003-99	1/25/1999	SE	8	23S	24E	161 QUALITY HILL		SERVICE REPLACEMENT								1	GS	3/4				1947
004-99	2/2/1999	NW	9	23S	24E	218 OK STREET #B		MAIN REPLACEMENT	X										10	GS	2	1941
005-99	2/5/1999	SE	15	23S	24E	205 PITTSBURGH AVENUE		SERVICE REPAIR	X								PVC	3/4				1980
006-99	2/10/1999	SW	23	23S	24E	412 DOUGLAS STREET		MAIN REPAIR	X											GS	1	1976
007-99	2/17/1999	SE	15	23S	24E	819 PITTSBURGH AVENUE		MAIN REPAIR	X										22	GS	2	1917
008-99	2/26/1999	SW	9	23S	24E	95 MAIN STREET #A		SERVICE REPLACEMENT	X							3	GS	1/2				1940
008-99	2/26/1999	NW	9	23S	24E	11 ZACATECAS CANYON #A		MAIN REPLACEMENT	X										100	STEEL	1	1965
010-99	3/24/1999	SW	9	23S	24E	27 SHEARER AVENUE		MAIN REPLACEMENT	X										PVC	1		1980
011-99	5/3/1999	SE	8	23S	24E	815 TOMBSTONE CANYON		MAIN REPAIR	X										4	GS	2	1942
012-99	5/17/1999	SW	23	23S	24E	508 HOATSON AVENUE		MAIN REPAIR	X											PVC	3/4	1980
013-99	5/17/1999	SW	23	23S	24E	508 HOATSON AVENUE		MAIN REPAIR												PVC	3/4	1980
014-99	5/17/1999	SW	23	23S	24E	508 HOATSON AVENUE		MAIN REPAIR	X											PVC	3/4	1980
015-99	5/19/1999	NW	15	23S	24E	HIGHWAY 80 WEST OF LOWELL PLAZA		MAIN REPAIR	X											STEEL	2	1975
016-99	7/12/1999	NE	32	23S	24E	10 OCOTILLO STREET		MAIN REPAIR	X											PVC	1	1980
017-99	7/20/1999	NE	5	24S	24E	2230 S BARNETT ROAD		SERVICE REPAIR	X								PVC	1				1980
018-99	7/26/1999	NE	22	23S	24E	224 PARK AVENUE		SERVICE REPLACEMENT	X								PVC	3/4				1922
019-99	8/4/1999	SE	8	23S	24E	111 HIGGINS HILL		SERVICE REPAIR	X								STEEL	3/4				1942
020-99	8/10/1999	NW	8	23S	24E	8 SPRING CANYON		SERVICE REPLACEMENT	X							1	STEEL	3/4				1912
021-99	8/11/1999	NE	21	23S	24E	456 S BUFFALO AVENUE		MAIN REPAIR	X											STEEL	1	1912
022-99	9/15/1999	NE	8	23S	24E	511 MAYER AVENUE #A		SERVICE REPAIR	X								PVC	3/4				1922
023-99	9/20/1999	NE	22	23S	24E	318 + 320 PARK AVENUE		SERVICE REPLACEMENT								2	PVC	1				1922
024-99	9/22/1999	SW	23	23S	24E	311 16TH TERRACE		SERVICE REPAIR	X								PVC	3/4				1980

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
025-99	10/4/1999	NE	22	23S	24E	14 STRONG ROW		MAIN REPAIR	X											STEEL	4	1922
026-99	10/4/1999	SE	8	23S	24E	129-C HIGH ROAD		MAIN REPLACEMENT	X										10	GS	3	1921
027-99	10/5/1999	SW	23	23S	24E	311 16TH TERRACE		SERVICE REPLACEMENT								1	PVC	3/4				1917
028-99	10/18/1999	SE	23	23S	24E	107 CAMPBELL STREET		MAIN REPAIR	X											CI	6	1908
029-99	10/18/1999	SE	23	23S	24E	107 CAMPBELL STREET		MAIN REPAIR	X											CI	6	1908
030-99	10/22/1999	SW	23	23S	24E	56 BLACK KNOB VIEW		SERVICE REPAIR	X								GS	3/4				1908
031-99	11/22/1999	NE	22	23S	24E	34 HILLSIDE STREET		SERVICE REPLACEMENT	X								S					1951
032-99	11/25/1999	SE	8	23S	24E	403 OAK AVENUE		SERVICE REPLACEMENT	X								PVC	3/4				1980
033-99	12/8/1999	SW	23	23S	24E	405 BISBEE ROAD		SERVICE REPLACEMENT	X							1	GS	3/4				
001-00	1/4/2000	SE	15	23S	24E	7 OLD DOUGLAS ROAD		MAIN REPAIR	X											GS	2	1952
002-00	1/5/2000	SW	9	23S	24E	101 OK STREET #D		MAIN REPAIR	X											STEEL	1 1/4	1941
003-00	1/7/2000	NE	15	23S	24E	400 N WINWOOD ROAD		MAIN REPAIR	X											GS	2	1955
004-00	1/7/2000	NE	15	23S	24E	400 N WINWOOD ROAD		MAIN REPAIR	X											GS	2	1955
005-00	1/10/2000	SE	8	23S	24E	302 OHARA AVENUE		MAIN REPAIR	X											STEEL	4	1956
006-00	1/12/2000	NW	9	23S	24E	211 OK STREET		SERVICE REPLACEMENT	X							1	GS	3/4				1944
007-00	1/13/2000	NE	5	24S	24E	2159 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
008-00	1/20/2000	SE	8	23S	24E	302 OHARA AVENUE		MAIN REPAIR	X											STEEL	6	1956
009-00	1/24/2000	SE	15	23S	24E	16, 17A, 18 OLD DOUGLAS ROAD		SERVICE REPLACEMENT	X							3	GS	1/2				
010-00	1/29/2000	NE	21	23S	24E	446 W ASPEN STREET		MAIN REPAIR	X											PVC	1	1980
011-00	2/7/2000	SE	23	23S	24E	213 13TH TERRACE		SERVICE REPAIR	X								PVC	3/4				1963
012-00	2/23/2000	SW	23	23S	24E	323 16TH TERRACE		MAIN REPAIR	X											STEEL	4	1918
013-00	2/23/2000	SW	9	23S	24E	43 TEMBY AVENUE		MAIN REPAIR	X											PVC	3/4	1975
014-00	3/2/2000	NW	9	23S	24E	1 ZACATECAS CANYON		MAIN REPLACEMENT	X										3			1965
015-00	3/13/2000	SE	22	23S	24E	505 30TH TERRACE		MAIN REPAIR	X											STEEL	6	1973
016-00	3/15/2000	SE	8	23S	24E	420 MASON HILL STREET #B		SERVICE REPAIR	X								GS	3/4				1963
017-00	3/16/2000	SE	29	23S	24E	306 COCHISE LANE		MAIN REPAIR	X											STEEL BW	4	1963
018-00	3/24/2000	SW	23	23S	24E	307 ARIZONA STREET		SERVICE REPAIR	X								PVC	3/4				
019-00	4/4/2000	SW	5	23S	24E	107 LOCKLIN AVENUE		SERVICE REPLACEMENT	X								STEEL	1				1956
020-00	4/6/2000	NE	5	24S	24E	2216 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
021-00	4/6/2000	NE	32	23S	24E	16 MANZANITA STREET		SERVICE REPAIR	X								PVC	1/2				1980
022-00	4/6/2000	SE	8	23S	24E	113 & 115 HIGGINS HILL		SERVICE REPLACEMENT	X							2	STEEL	3/4				1942
023-00	4/10/2000	SW	9	23S	24E	23 TEMBY AVENUE #C		MAIN REPLACEMENT	X										10	GS	1	1921
024-00	4/14/2000	SW	23	23S	24E	601 TENER AVENUE		MAIN REPAIR	X											STEEL	6	1908
025-00	4/14/2000	SW	23	23S	24E	311 ARIZONA STREET		MAIN REPAIR	X											STEEL	8	1908
026-00	4/19/2000	NW	22	23S	24E	54 CZAR AVENUE		MAIN REPAIR	X											STEEL	6	1954
027-00	4/28/2000	SE	15	23S	24E	55 W. HIGHWAY 92		MAIN REPAIR	X											STEEL	6	1954
028-00	5/16/2000	NE	32	23S	24E	5 LA CHOLLA ROAD		MAIN REPAIR	X											STEEL	6	1925
029-00	5/23/2000	SE	8	23S	24E	510 MAIN STREET		SERVICE REPAIR	X								PVC	3/4				1975
030-00	6/8/2000	NE	15	23S	24E	400 N WINWOOD ROAD		MAIN REPAIR	X											GS	2	1970
031-00	6/8/2000	SW	14	23S	24E	422 F STREET		SERVICE REPAIR									STEEL	1				1952
032-00	6/8/2000	NW	8	23S	24E	47 SPRING CANYON #D		SERVICE REPAIR	X								PVC	1				1980
033-00	6/8/2000	SW	9	23S	24E	COPPER QUEEN PLAZA #2		SERVICE REPAIR	X								STEEL	1 1/2				1955

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
034-00	6/8/2000	SW	9	23S	24E	61-B CLAWSON AVENUE		MAIN REPAIR	X											PVC	1	1980
035-00	6/8/2000	SE	8	23S	24E	61-A HIGH ROAD		MAIN REPAIR	X											PVC	1	1975
036-00	6/8/2000	NE	8	23S	24E	515 MAYER AVENUE #A		SERVICE REPAIR	X								PVC	1				1975
037-00	6/13/2000	SW	9	23S	24E	59 SUBWAY STREET #B		SERVICE REPLACEMENT	X							1	STEEL	3/4			3/4	1942
038-00	6/16/2000	SE	23	23S	24E	8 COCHISE TRAIL		MAIN REPAIR	X											CI	6	1908
039-00	6/16/2000	NW	9	23S	24E	234 OPERA DRIVE #C		MAIN REPAIR			X									PVC	1	1980
040-00	6/22/2000	NW	33	23S	24E	130 NACO HIGHWAY		MAIN REPAIR	X											PVC	3/4	1968
041-00	6/27/2000	NW	33	23S	24E	130 NACO HIGHWAY		MAIN REPAIR	X											PVC	3/4	1968
042-00	6/27/2000	NW	29	23S	24E	56-B MOUNTAIN RANCH ESTATES		SERVICE REPAIR	X								PVC	1				1980
043-00	6/27/2000	SE	23	23S	24E	600 HOATSON AVENUE		MAIN REPAIR	X											STEEL	6	1908
044-00	6/27/2000	SW	23	23S	24E	207 ARIZONA STREET		MAIN REPAIR	X											STEEL	8	1908
045-00	6/27/2000	SE	23	23S	24E	8 COCHISE TRAIL		MAIN REPAIR	X											CI	6	1908
046-00	6/27/2000	NE	15	23S	24E	HIGHWAY 80 & WINWOOD ROAD		MAIN REPAIR	X											STEEL	6	1975
047-00	6/27/2000	SW	23	23S	24E	509 BISBEE ROAD		SERVICE REPAIR	X								PVC	3/4				1980
048-00	6/27/2000	NW	8	23S	24E	711 STAR AVENUE #D		SERVICE REPAIR	X								PVC	3/4			1	1978
049-00	6/27/2000	SE	8	23S	24E	15 ART AVENUE		MAIN REPAIR	X											STEEL	1 1/2	1912
050-00	6/27/2000	SE	8	23S	24E	9 ART AVENUE		MAIN REPAIR	X											STEEL	1 1/2	1912
051-00	6/27/2000	NW	9	23S	24E	234 OPERA DRIVE #C		MAIN REPAIR			X									PVC	1	1980
052-00	6/28/2000	SE	23	23S	24E	303 13TH TERRACE		SERVICE REPAIR	X								PVC	3/4				1963
053-00	6/28/2000	SW	9	23S	24E	41 TEMBY AVENUE		MAIN REPAIR	X											PVC	1	1976
054-00	7/6/2000	NW	23	23S	24E	609 BISBEE ROAD		SERVICE REPAIR	X								PVC	3/4				1980
055-00	7/6/2000	NW	23	23S	24E	609 BISBEE ROAD		SERVICE REPAIR	X								PVC	3/4				1980
056-00	7/10/2000	SW	22	23S	24E	HIGH SCHOOL HILL		MAIN REPAIR	X											STEEL	6	1901
057-00	7/13/2000	SE	15	23S	24E	2 OLD DOUGLAS ROAD		MAIN REPLACEMENT				X							20	STEEL	2	1952
058-00	7/21/2000	NW	33	23S	24E	130 NACO HIGHWAY		MAIN REPLACEMENT				X							65	CU	3/4	1968
059-00	7/25/2000	NE	5	24S	24E	2215 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
060-00	7/25/2000	SW	23	23S	24E	107 CAMPBELL STREET		MAIN REPAIR	X											CI	6	1908
061-00	7/26/2000	SE	8	23S	24E	QUALITY HILL		MAIN REPAIR	X											GS	2	1947
062-00	7/28/2000	NE	32	23S	24E	10 OCOTILLO STREET		MAIN REPAIR	X											PVC	1	1980
063-00	7/28/2000	NW	29	23S	24E	991 S COY STREET		SERVICE REPAIR	X								PVC	1				1980
064-00	7/28/2000	NE	8	23S	24E	17 LAUNDRY HILL #F		MAIN REPAIR	X											GS	1 1/2	1908
065-00	8/1/2000	SW	9	23S	24E	1 MAIN STREET		MAIN REPAIR	X											STEEL	6	1950
066-00	8/1/2000	SE	8	23S	24E	151 QUARRY CANYON		SERVICE REPAIR	X								STEEL	3/4			6	1941
067-00	8/9/2000	SW	23	23S	24E	307 ARIZONA STREET		MAIN REPAIR	X											STEEL	6	1908
068-00	8/28/2000	NW	8	23S	24E	827 MAIN STREET		MAIN REPAIR	X											GS	1	1942
069-00	8/29/2000	NE	5	24S	24E	973 W MARIE STREET		MAIN REPAIR	X											STEEL	2	1958
070-00	8/29/2000	NW	8	23S	24E	711 STAR AVENUE		MAIN REPLACEMENT			X	X						1		PVC	6	1985
071-00	8/29/2000	SW	9	23S	24E	37 OK STREET		SERVICE REPLACEMENT			X	X				2	GS	3/4				1956
072-00	9/5/2000	NE	5	24S	24E	2086 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
073-00	9/5/2000	NE	22	23S	24E	229 PARK AVENUE		SERVICE REPAIR	X								PVC					1922
074-00	9/5/2000	SW	14	23S	24E	101 D STREET		SERVICE REPAIR									STEEL	3/4				1952
075-00	9/5/2000	SW	9	23S	24E	41 TEMBY AVENUE		MAIN REPAIR	X											PVC	1	1976

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
076-00	9/6/2000	SE	32	23S	24E	114 MOUNTAIN VIEW AVENUE		MAIN REPAIR	X											CA	4	1958
077-00	9/12/2000	NW	9	23S	24E	257 BREWERY AVENUE		MAIN REPAIR	X											GS	2	1941
078-00	9/19/2000	NE	22	23S	24E	#45 COCHISE ROW		SERVICE REPAIR	X								PVC	3/4				1980
079-00	9/21/2000	SE	23	23S	24E	112 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
080-00	9/26/2000	NW	23	23S	24E	512 DOUGLAS STREET		MAIN REPAIR	X											PVC	1	1980
081-00	9/28/2000	NW	9	23S	24E	224 MILLER HILL AVENUE		MAIN REPAIR	X											GS	1 1/4	1921
082-00	10/4/2000	SE	23	23S	24E	107 CAMPBELL STREET		MAIN REPAIR	X											CI	6	1908
083-00	10/4/2000	SW	9	23S	24E	11 OK STREET #B		MAIN REPLACEMENT			X	X							60	PVC	1	1980
084-00	10/10/2000	NE	15	23S	24E	400 N WINWOOD ROAD		MAIN REPAIR	X											GS	2	1970
085-00	10/10/2000	SE	8	23S	24E	137 HIGGINS HILL		MAIN REPAIR	X										STEEL	1		1908
086-00	10/11/2000	SW	9	23S	24E	11 OK STREET #B		MAIN REPLACEMENT	X										60	PVC	1	1980
087-00	10/15/2000	SW	23	23S	24E	219 ARIZONA STREET		MAIN REPAIR	X											STEEL	8	1908
088-00	10/19/2000	SE	32	23S	24E	118 MOUNTAIN VIEW AVENUE		MAIN REPAIR	X											CA	4	1958
089-00	10/27/2000	SE	8	23S	24E	137 HIGGINS HILL		MAIN REPAIR	X										STEEL	1		1908
090-00	11/6/2000	SW	23	23S	24E	301 14TH TERRACE		SERVICE REPAIR	X								STEEL	1/2				1917
091-00	11/13/2000	SE	8	23S	24E	139 CLAWSON AVENUE		MAIN REPAIR	X											GS	1	1908
092-00	11/20/2000	SW	14	23S	24E	LOWELL TRAFFIC CIRCLE		MAIN REPAIR	X											GS	1 1/4	1952
093-00	11/28/2000	SW	29	23S	24E	51 PINAL DRIVE		MAIN REPAIR	X											STEEL	4	1962
094-00	11/28/2000	NE	23	23S	24E	628 ARIZONA STREET		MAIN REPAIR	X											STEEL	8	1908
095-00	11/28/2000	NW	23	23S	24E	616 HOVLAND STREET		MAIN REPAIR			13437	X							40	STEEL	3/4	1908
096-00	11/29/2000	SE	8	23S	24E	42 ART AVENUE		SERVICE REPLACEMENT	X							1	STEEL	3/4	2		3/4	1912
097-00	12/1/2000	NE	21	23S	24E	S CATSCLAW AVENUE		MAIN REPAIR	X											STEEL	1	1912
098-00	12/2/2000	NE	5	24S	24E	2240 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
099-00	12/4/2000	NE	32	23S	24E	10 OCOTILLO STREET		MAIN REPAIR	X											PVC	1	1980
100-00	12/5/2000	NE	5	24S	24E	1111 W MCDONALD STREET		SERVICE REPAIR	X								PVC	1				1980
101-00	12/7/2000	SW	9	23S	24E	41 TEMBY AVENUE		MAIN REPAIR	X											PVC	3/4	1975
102-00	12/13/2000	SW	23	23S	24E	610 EAST VISTA		SERVICE REPAIR	X								PVC	3/4				
103-00	12/15/2000	SW	14	23S	24E	215 A STREET		MAIN REPAIR	X											GS	1 1/2	1952
104-00	12/19/2000	SE	8	23S	24E	407 ROBERTS AVENUE		MAIN REPLACEMENT	X										31	GS	1 1/2	1941
105-00	12/28/2000	SE	23	23S	24E	205 BLACK KNOB VIEW		SERVICE REPLACEMENT	X							1	PVC	3/4				1980
001-01	1/3/2001	SW	9	23S	24E	35 TEMBY AVENUE #A		MAIN REPAIR	X											GS	2	1921
002-01	1/8/2001	SW	23	23S	24E	502 POWELL STREET		SERVICE REPAIR	X								GS	1				1908
003-01	1/11/2001	NE	21	23S	24E	456 S BUFFALO AVENUE		MAIN REPAIR	X											STEEL	1	1912
004-01	1/12/2001	SW	5	23S	24E	16 WOOD CANYON		MAIN REPAIR	X										STEEL	1		1942
005-01	1/16/2001	SW	23	23S	24E	321 16TH TERRACE		SERVICE REPAIR	X											STEEL	2	1917
006-01	1/16/2001	NW	23	23S	24E	614 HOVLAND STREET		SERVICE REPAIR	X								STEEL	3/4				1963
007-01	1/19/2001	NW	8	23S	24E	603 & 605 MAIN STREET		SERVICE REPLACEMENT	X							2	CU	1				1982
008-01	1/22/2001	NE	21	23S	24E	S ACACIA STREET		MAIN REPAIR	X											STEEL	3	1957
009-01	1/22/2001	NE	23	23S	24E	613 ARIZONA STREET		SERVICE REPAIR	X								STEEL	3/4				1908
010-01	1/25/2001	SE	22	23S	24E	500 30TH TERRACE		MAIN REPAIR	X											STEEL	6	1963
011-01	1/25/2001	NE	22	23S	24E	202 PARK AVENUE		MAIN REPAIR	X											GS	2	1920
012-01	1/25/2001	SE	8	23S	24E	318 MAIN STREET		SERVICE REPLACEMENT	X								PVC	3/4				1975

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013-01	2/1/2001	NE	23	23S	24E	613 ARIZONA STREET		SERVICE REPLACEMENT	X							2	STEEL	1 & 3/4				1908
014-01	2/9/2001	SW	23	23S	24E	123 ARIZONA STREET		MAIN REPAIR	X											STEEL	8	1908
015-01	2/12/2001	NE	21	23S	24E	W TOPAZ STREET		MAIN REPAIR	X											STEEL	3	1957
016-01	2/14/2001	SE	22	23S	24E	405 30TH TERRACE		MAIN REPAIR	X											STEEL	6	1963
017-01	2/14/2001	SW	14	23S	24E	205 A STREET		MAIN REPLACEMENT			X	X							35	GS	2	1952
018-01	2/16/2001	SE	22	23S	24E	30TH TERRACE TOWARDS WARREN TANK		MAIN REPAIR	X											STEEL	6	1908
019-01	2/16/2001	SE	8	23S	24E	826 SIMMS ROAD #B		MAIN REPAIR	X										GS	1/2		1916
020-01	2/21/2001	SW	28	23S	24E	104 NACO HIGHWAY		MAIN REPAIR	X										1	GS	2	
021-01	2/26/2001	SW	23	23S	24E	321 16TH TERRACE		MAIN REPAIR	X											STEEL	2	1917
022-01	2/26/2001	NE	22	23S	24E	4 STRONG ROW		MAIN REPLACEMENT	X			X							70	STEEL	4	1922
023-01	3/2/2001	SW	23	23S	24E	405 HOVLAND STREET		SERVICE REPAIR	X								STEEL	1/2				1908
024-01	3/6/2001	SE	8	23S	24E	407 ROBERTS AVENUE		MAIN REPLACEMENT				X							20	GS	1 1/2	1941
025-01	3/8/2001	SW	23	23S	24E	321 16TH TERRACE		MAIN REPAIR	X											STEEL	2	1917
026-01	3/13/2001	SW	9	23S	24E	37 TEMBY AVENUE #A		MAIN REPLACEMENT				X							140	GS	2	1921
027-01	3/13/2001	SW	9	23S	24E	37A, 35A, 35 TEMBY AVENUE		SERVICE REPLACEMENT				X				3	GS	3/4				1921
028-01	3/16/2001	NE	32	23S	24E	5 LA CHOLLA ROAD		MAIN REPAIR	X											STEEL	6	1925
029-01	3/18/2001	SE	23	23S	24E	122 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
030-01	3/19/2001	SE	8	23S	24E	412 GARDEN AVENUE		SERVICE REPAIR	X								STEEL	3/4				1956
031-01	3/22/2001	SW	23	23S	24E	321 16TH TERRACE		MAIN REPLACEMENT			15655	X							27	GS	2	1917
032-01	3/26/2001	SE	8	23S	24E	501 MAIN STREET		SERVICE REPLACEMENT	X								PVC	3/4				1978
033-01	3/28/2001	NE	5	24S	24E	2233 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
034-01	3/28/2001	SE	23	23S	24E	510 SHATTUCK STREET		SERVICE REPAIR	X								PVC	3/4				1980
035-01	4/2/2001	NW	8	23S	24E	733 MAIN STREET		MAIN REPAIR	X											GS	2	1921
036-01	4/3/2001	SE	22	23S	24E	30TH TERRACE BEHIND HIGH SCHOOL		MAIN REPAIR	X											STEEL	6	1908
037-01	4/4/2001	SE	8	23S	24E	437 ROBERTS AVENUE		SERVICE REPLACEMENT	X							1	GS	3/4				1941
038-01	4/6/2001	SE	23	23S	24E	204 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
039-01	4/9/2001	SW	15	23S	24E	87 CZAR AVENUE		SERVICE REPAIR	X								STEEL	3/4				1949
040-01	4/9/2001	SE	8	23S	24E	10 LEDGE AVENUE		MAIN REPAIR	X											GS	2	1932
041-01	4/13/2001	NE	32	23S	24E	5 LA CHOLLA ROAD		MAIN REPAIR	X											STEEL	6	1925
042-01	4/17/2001	NW	22	23S	24E	54 CZAR AVENUE		MAIN REPAIR	X											STEEL	6	1954
043-01	4/17/2001	SW	9	23S	24E	53 OK STREET #C		MAIN REPLACEMENT	X										6	GS	2	1945
044-01	4/17/2001	SW	9	23S	24E	53 OK STREET #C		MAIN REPLACEMENT			X	X							40	STEEL	2	1945
045-01	4/20/2001	SE	8	23S	24E	229 MAIN STREET		MAIN REPAIR	X											STEEL	4	1942
046-01	4/26/2001	SE	15	23S	24E	112 PARK AVENUE		MAIN REPAIR	X											GS	1 1/2	1920
047-01	5/10/2001	NE	32	23S	24E	54 MANZANITA STREET		MAIN REPAIR	X											PVC	1	1980
048-01	5/11/2001	NE	5	24S	24E	2278 S BARNETT ROAD		MAIN REPAIR	X											GS	4	1961
049-01	5/14/2001	NW	9	23S	24E	226 BREWERY AVENUE		MAIN REPLACEMENT			X	X							166	PVC/STEEL	1	1959
050-01	5/14/2001	NW	9	23S	24E	226 BREWERY AVENUE		SERVICE REPLACEMENT			X	X				1	PVC	3/4				1980
051-01	5/14/2001	NW	9	23S	24E	222 BREWERY AVENUE		SERVICE REPLACEMENT			X	X				1	PVC	3/4				1980
052-01	5/21/2001	NE	8	23S	24E	INTERSECTION OF ADAMS AND LAUNDRY HILL		MAIN REPLACEMENT	X										1	GS	3/4	1908
053-01	5/29/2001	SW	9	23S	24E	41 TEMBY AVENUE		MAIN REPAIR	X											PVC	1	1975
054-01	6/4/2001	SE	23	23S	24E	318 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908

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055-01	6/5/2001	NE	5	24S	24E	2233 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
056-01	6/6/2001	SW	9	23S	24E	82 MAIN STREET		SERVICE REPAIR	X								GS	3/4				1980
057-01	6/8/2001	NE	23	23S	24E	603 POWELL STREET		SERVICE REPAIR	X								PVC	1				1980
058-01	6/11/2001	NE	32	23S	24E	16 MANZANITA STREET		MAIN REPAIR	X											PVC	1	1980
059-01	6/11/2001	SE	8	23S	24E	511 BROPHY AVENUE		SERVICE REPAIR	X								STEEL	1/2				1912
060-01	6/22/2001	NW	8	23S	24E	827 MAIN STREET		SERVICE REPAIR	X								PVC	1				1975
061-01	6/26/2001	SW	9	23S	24E	43 TEMBY AVENUE		SERVICE REPAIR	X								GS	1/2				1930
062-01	6/28/2001	SW	9	23S	24E	41 TEMBY AVENUE		MAIN REPLACEMENT				X							75	PVC	1	1975
063-01	6/28/2001	SW	9	23S	24E	41 & 43 TEMBY AVENUE		SERVICE REPLACEMENT				X				2	PVC	3/4				1975
064-01	7/3/2001	SE	23	23S	24E	300 CAMPBELL STREET		MAIN REPAIR	X											CI	6	1908
065-01	7/3/2001	SW	15	23S	24E	407 BISBEE ROAD		SERVICE REPAIR	X								PVC	3/4				1980
066-01	7/5/2001	SE	8	23S	24E	515 MAIN STREET		SERVICE REPLACEMENT	X									1				1978
067-01	7/9/2001	SE	8	23S	24E	317 MAIN STREET		SERVICE REPAIR	X								PVC	3/4				1980
068-01	7/10/2001	NW	28	23S	24E	BETWEEN COLLINS ROAD & HIGHWAY 92		SERVICE REPLACEMENT	X											STEEL	2	1950
069-01	7/13/2001	SE	8	23S	24E	11 LEDGE AVENUE		SERVICE REPAIR	X								PVC	3/4				1980
070-01	7/13/2001	SE	8	23S	24E	120 QUALITY HILL #A		SERVICE REPAIR	X								STEEL	3/4				1932
071-01	7/16/2001	SE	23	23S	24E	510 SHATTUCK STREET		SERVICE REPAIR	X								PVC	3/4				1980
072-01	7/18/2001	SE	23	23S	24E	613 CAMPBELL STREET		SERVICE REPAIR									GS	3/4				1908
073-01	7/20/2001	SE	8	23S	24E	17 LAUNDRY HILL #E		MAIN REPAIR	X											GS	2	1908
074-01	7/20/2001	SE	8	23S	24E	17 LAUNDRY HILL #E		MAIN REPAIR	X											GS	2	1908
075-01	7/24/2001	SW	9	23S	24E	COPPER QUEEN PLAZA		SERVICE REPAIR	X								GS	1 1/4				1955
076-01	7/27/2001	NE	15	23S	24E	400 N WINWOOD ROAD		MAIN REPAIR	X											GS	2	1970
077-01	7/30/2001	SW	9	23S	24E	52 MAIN STREET		MAIN REPAIR	X											STEEL	6	1957
078-01	8/6/2001	NW	28	23S	24E	400 N MCKINLEY AVENUE		SERVICE REPLACEMENT	X								PVC	1				1980
079-01	8/6/2001	NE	15	23S	24E	400 N WINWOOD ROAD		MAIN REPAIR	X											PVC	1	1980
080-01	8/10/2001	SW	22	23S	24E	42-G TIN TOWN		MAIN REPAIR	X											STEEL	2	1936
081-01	8/13/2001	SW	9	23S	24E	52 COMMERCE STREET #B		SERVICE REPAIR	X								STEEL	3/4				1957
082-01	8/22/2001	SE	23	23S	24E	112 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
083-01	8/24/2001	SW	9	23S	24E	55 MAIN STREET		MAIN REPAIR	X											STEEL	6	1950
084-01	9/6/2001	SW	22	23S	24E	300 TERAN STREET		MAIN REPAIR	X										21	GS	2	
085-01	9/11/2001	SE	15	23S	24E	100 OLD DOUGLAS ROAD		MAIN REPAIR	X											GS	2	1952
086-01	9/11/2001	SW	23	23S	24E	400 POWELL STREET		MAIN REPAIR	X											STEEL	6	1908
087-01	9/12/2001	SE	23	23S	24E	505 TENER AVENUE		MAIN REPAIR	X								STEEL	1		STEEL	8	1908
088-01	9/18/2001	NE	22	23S	24E	202 PARK AVENUE		MAIN REPAIR	X											GS	2	1920
089-01	9/25/2001	SE	23	23S	24E	220 BLACK KNOB VIEW		MAIN REPAIR	X											STEEL	2	1908
090-01	9/27/2001	NW	8	23S	24E	5 MOON CANYON AVENUE		MAIN REPLACEMENT	X										13	PVC	2	1966
091-01	10/6/2001	NW	9	23S	24E	50 ZACATECAS CANYON		MAIN REPLACEMENT	X										21	STEEL	1	1965
092-01	10/9/2001	SW	9	23S	24E	18 TEMBY AVENUE		MAIN REPAIR	X											GS	2	1962
093-01	10/12/2001	SW	9	23S	24E	52 MAIN STREET		MAIN REPLACEMENT											60	STEEL	6	1957
094-01	10/15/2001	SE	8	23S	24E	314 OHARA AVENUE		MAIN REPAIR	X		X									STEEL	6	1956
095-01	10/16/2001	SW	9	23S	24E	52 MAIN STREET		MAIN REPLACEMENT	X		15684								75	STEEL	6	1957
096-01	10/18/2001	SE	23	23S	24E	305 BLACK KNOB VIEW		MAIN REPAIR	X											STEEL	6	1908

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
097-01	10/18/2001	SE	8	23S	24E	45 SPRING CANYON #C		MAIN REPAIR	X											PVC	1	1980
098-01	10/18/2001	SE	8	23S	24E	139 HIGGINS HILL		MAIN REPAIR	X										GS	1 1/2		1942
099-01	10/23/2001	NE	23	23S	24E	601 COLE AVENUE		MAIN REPAIR	X											STEEL	6	1908
100-01	10/25/2001	SE	32	23S	24E	107 COPPER STREET		MAIN REPAIR	X										4	CA	4	1958
101-01	10/25/2001	NW	8	23S	24E	635 MAIN STREET		SERVICE REPAIR	X								GS	3/4				
102-01	10/30/2001	SE	8	23S	24E	435 GARDEN AVENUE		SERVICE REPLACEMENT	X							1	PVC	3/4				1975
103-01	11/1/2001	NE	15	23S	24E	420 N WINWOOD ROAD		MAIN REPAIR	X											PVC	1	1980
104-01	11/2/2001	NE	5	24S	24E	2080 S KENTUCKY LANE		SERVICE REPLACEMENT	X								PVC	3/4				1961
105-01	11/2/2001	NW	8	23S	24E	45 SPRING CANYON #C		MAIN REPAIR	X											PVC	1	1980
106-01	11/9/2001	NE	8	23S	24E	437 MAYER AVENUE #C		SERVICE REPLACEMENT	X							1	STEEL	3/4				1922
107-01	11/13/2001	NE	5	24S	24E	2207 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
108-01	11/13/2001	NE	5	24S	24E	2215 BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
109-01	11/13/2001	NE	5	24S	24E	2215 BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
110-01	11/13/2001	NE	5	24S	24E	2255 BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
111-01	11/19/2001	NE	23	23S	24E	632 COLE AVENUE		MAIN REPAIR	X											STEEL	8	1908
112-01	11/20/2001	NE	15	23S	24E	420 N WINWOOD ROAD		MAIN REPLACEMENT				X							100	CU	1	1980
113-01	11/21/2001	SE	15	23S	24E	125 PARK AVENUE		MAIN REPAIR	X											GS	2	1922
114-01	11/26/2001	NW	9	23S	24E	216 BREWERY AVENUE		MAIN REPAIR	X											STEEL	2	1912
115-01	11/27/2001	NE	5	24S	24E	2195 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
116-01	11/27/2001	NE	22	23S	24E	72 PITTSBURGH AVENUE		MAIN REPAIR	X											GS	1	1917
117-01	11/30/2001	NE	22	23S	24E	35 HILLSIDE STREET		SERVICE REPLACEMENT	X								S	3/4				1951
118-01	12/3/2001	NE	32	23S	24E	9 RAND PLACE		SERVICE REPAIR	X								PVC	1				1980
119-01	12/10/2001	SW	15	23S	24E	55 W. HIGHWAY 92		SERVICE REPAIR	X								STEEL	2				1974
120-01	12/10/2001	SW	22	23S	24E	4 TIN TOWN		MAIN REPAIR	X											STEEL	2	1936
121-01	12/13/2001	NE	22	23S	24E	29 HILLSIDE STREET		SERVICE REPLACEMENT	X								S	3/4				1951
122-01	12/14/2001	SE	15	23S	24E	125 PARK AVENUE		MAIN REPAIR	X											GS	2	1920
123-01	12/14/2001	SW	9	23S	24E	48 HOWELL AVENUE		MAIN REPAIR	X											STEEL	4	1930
124-01	12/18/2001	SE	23	23S	24E	213 BLACK KNOB VIEW		SERVICE REPAIR	X								PVC	3/4				1980
125-01	12/19/2001	NE	15	23S	24E	420 N WINWOOD ROAD		MAIN REPAIR	X											STEEL	1 1/4	1955
126-01	12/19/2001	NE	15	23S	24E	480 N WINWOOD ROAD		MAIN REPAIR	X											PVC	1	1980
127-01	12/20/2001	NE	5	24S	24E	944 S BARNETT ROAD		SERVICE REPAIR	X								PVC	1				1980
128-01	12/20/2001	NE	15	23S	24E	400 N WINWOOD ROAD		MAIN REPAIR	X											GS	2	1955
129-01	12/20/2001	NW	9	23S	24E	225 YOUNGBLOOD HILL #E		MAIN REPAIR	X											STEEL	2	1941
130-01	12/20/2001	SE	8	23S	24E	201 MAIN STREET		MAIN REPLACEMENT	X										2	STEEL	1	
131-01	12/27/2001	NW	15	23S	24E	HIGHWAY 80 & ERIE STREET		MAIN REPAIR	X											GS	2	1975
001-02	1/9/2002	NE	5	24S	24E	2240 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
002-02	1/9/2002	NW	8	23S	24E	605 MAIN STREET		SERVICE REPAIR	X								GS	1				
003-02	1/22/2002	SE	15	23S	24E	201 PARK AVENUE		MAIN REPLACEMENT			X	X								STEEL	2	1922
004-02	1/24/2002	NW	23	23S	24E	74 PITTSBURGH AVENUE		MAIN REPAIR	X											GS	1 1/4	1920
005-02	1/24/2002	NW	23	23S	24E	74 PITTSBURGH AVENUE		MAIN REPAIR	X											GS	1 1/4	1920
006-02	1/24/2002	NW	23	23S	24E	74 PITTSBURGH AVENUE		MAIN REPAIR	X											GS	1 1/4	1920
007-02	2/4/2002	NW	23	23S	24E	#74 PITTSBURGH AVENUE		MAIN REPLACEMENT			15688									GS	1 1/4	1920

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
008-02	2/11/2002	NW	22	22S	24E	GALENA HILL		MAIN REPAIR	X											CA	10	1955
009-02	2/14/2002	SW	9	23S	24E	1 MAIN STREET		MAIN REPAIR	X											STEEL	3	1950
010-02	2/25/2002	NE	5	24S	24E	2216 S BOWERS STREET		SERVICE REPAIR	X								STEEL	1/2				1958
011-02	2/25/2002	SE	8	23S	24E	164 QUALITY HILL		MAIN REPAIR	X											GS	2	1947
012-02	2/25/2002	SE	8	23S	24E	164 QUALITY HILL		MAIN REPAIR	X											GS	2	1947
013-02	2/25/2002	SE	8	23S	24E	164 QUALITY HILL		MAIN REPAIR	X											GS	2	1947
014-02	2/25/2002	SE	8	23S	24E	164 QUALITY HILL		MAIN REPAIR	X											GS	2	1947
015-02	2/26/2002	SE	23	23S	24E	509 CAMPBELL STREET		SERVICE REPAIR	X								GS	3/4				1908
016-02	2/27/2002	SE	8	23S	24E	142 QUALITY HILL		MAIN REPLACEMENT			X	X							41	GS	2	1947
017-02	3/1/2002	NW	9	23S	24E	218 OK STREET #A		MAIN REPAIR	X											GS	2	1941
018-02	3/1/2002	NE	8	23S	24E	543 MAIN STREET #A		SERVICE REPLACEMENT	X								STEEL	3/4				1941
019-02	3/1/2002	NW	9	23S	24E	218 OK STREET #A		MAIN REPAIR	X											GS	2	1941
020-02	3/1/2002	NW	9	23S	24E	218 OK STREET #A		MAIN REPAIR	X											GS	2	1941
021-02	3/4/2002	SE	8	23S	24E	160 QUALITY HILL		MAIN REPLACEMENT			X	X							21	GS	2	1947
022-02	3/7/2002	NE	15	23S	24E	DENN MINE ROAD & WINWOOD ROAD		MAIN REPAIR	X											GS	2	1974
023-02	3/12/2002	NW	8	23S	24E	51 SPRING CANYON		MAIN REPAIR	X											PVC	1	1980
024-02	3/26/2002	NW	8	23S	24E	543 MAIN STREET #A		MAIN REPLACEMENT			X	X							50	STEEL	1	
025-02	3/26/2002	NW	8	23S	24E	543 MAIN STREET #A		SERVICE REPLACEMENT			X	X				1	STEEL	3/4				
026-02	3/30/2002	NW	8	23S	24E	822 PACE AVENUE		MAIN REPAIR	X											GS	2	1921
027-02	4/2/2002	SE	8	23S	24E	17 LAUNDRY HILL #E		MAIN REPLACEMENT	X										3	GS	2	1918
028-02	4/9/2002	SW	29	23S	24E	51 PINAL DRIVE		MAIN REPLACEMENT	X											STEEL	4	1962
029-02	4/9/2002	SE	23	23S	24E	220 BLACK KNOB VIEW		MAIN REPAIR	X											STEEL	2	1908
030-02	4/15/2002	SW	29	23S	24E	960 W HIGHWAY 92		MAIN REPAIR	X											STEEL	6	1957
031-02	4/15/2002	NW	28	23S	24E	304 N WASHINGTON AVENUE		MAIN REPAIR	X											STEEL	1	1912
032-02	4/17/2002	NW	9	23S	24E	210 MILLER HILL AVENUE		MAIN REPAIR	X											GS	1	1921
033-02	4/18/2002	SW	23	23S	24E	422 ARIZONA STREET		MAIN REPAIR	X											STEEL	8	1908
034-02	4/24/2002	NE	21	23S	24E	490 S CATSCLAW AVENUE		MAIN REPAIR	X											STEEL	1	1912
035-02	4/28/2002	NW	9	23S	24E	226 BREWERY AVENUE #D		MAIN REPLACEMENT	X										4	STEEL	2	1912
036-02	4/29/2002	NE	8	23S	24E	509 BAILEY HILL #F		MAIN REPLACEMENT	X										60	STEEL	1	1908
037-02	5/2/2002	SW	9	23S	24E	81 MAIN STREET		SERVICE REPAIR	X								PVC	3/4				1980
038-02	5/3/2002	SE	23	23S	24E	BLACK KNOB VIEW & RUPPE AVENUE (STREET?)		MAIN REPAIR	X											STEEL	6	1908
039-02	5/7/2002	SE	15	23S	24E	221 PARK AVENUE		MAIN REPAIR	X											GS	2	1922
040-02	5/10/2002	NW	9	23S	24E	208 YOUNGBLOOD HILL #A		MAIN REPLACEMENT			X	X							21	STEEL	1	1941
041-02	5/13/2002	NE	23	23S	24E	608 POWELL STREET		SERVICE REPAIR	X								CU	1				1960
042-02	5/13/2002	NE	23	23S	24E	401 COLE STREET		MAIN REPAIR	X											STEEL	6	1908
043-02	5/16/2002	NE	5	24S	24E	2159 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
044-02	5/17/2002	SE	23	23S	24E	8 COCHISE TRAIL		MAIN REPAIR	X											CI	6	1908
045-02	5/22/2002	SE	23	23S	24E	400 CONGDON AVENUE		SERVICE REPLACEMENT	X							1	CU	1				1908
046-02	5/24/2002	NW	9	23S	24E	142 BREWERY AVENUE		MAIN REPAIR	X											STEEL	3	1912
047-02	5/29/2002	SW	9	23S	24E	25 MAIN STREET		SERVICE REPAIR	X								PVC	3/4				1980
048-02	5/30/2002	NE	5	24S	24E	2223 S BARNETT ROAD		SERVICE REPAIR	X								PVC	1				1980
049-02	5/30/2002	NW	9	23S	24E	216 BREWERY AVENUE #C		MAIN REPAIR	X											GS	2	1912

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050-02	6/4/2002	NW	9	23S	24E	216 BREWERY AVENUE #C		MAIN REPLACEMENT	X										12	GS	2	1959
051-02	6/5/2002	SW	9	23S	24E	153 OK STREET #C		MAIN REPLACEMENT			X	X							32	STEEL	1 1/2	1921
052-02	6/10/2002	NW	28	23S	24E	106 S TAYLOR AVENUE		MAIN REPAIR	X										8	PVC	1	1980
053-02	6/10/2002	NE	15	23S	24E	400 N WINWOOD ROAD		MAIN REPAIR	X											GS	2	1970
054-02	6/10/2002	NW	9	23S	24E	153 OK STREET		MAIN REPLACEMENT	X										35	STEEL	1 1/2	1954
055-02	6/10/2002	NW	9	23S	24E	216 BREWERY AVENUE #C		MAIN REPLACEMENT	X										15	STEEL	2	1912
056-02	6/10/2002	NE	8	23S	24E	501 MAYER AVENUE		MAIN REPAIR	X											PVC	1	1975
057-02	6/25/2002	SW	29	23S	24E	69 MOHAVE DRIVE		MAIN REPAIR	X											STEEL	3	1954
058-02	7/1/2002	NE	7	23S	24E	1000 COMPTON AVENUE		MAIN REPAIR	X											PVC	1	1980
059-02	7/1/2002	NW	9	23S	24E	201 OK STREET		MAIN REPAIR	X											GS	3	1941
060-02	7/9/2002	SE	29	23S	24E	342 COCHISE LANE		MAIN REPAIR	X											STEEL BW	4	1963
061-02	7/16/2002	SE	23	23S	24E	212 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
062-02	8/5/2002	SW	9	23S	24E	69 OK STREET		MAIN REPAIR	X											GS	2	1945
063-02	8/6/2002	SW	23	23S	24E	101 CLAWSON STREET		MAIN REPAIR	X											GS	2	1962
064-02	8/9/2002	SW	9	23S	24E	1 TEMBY AVENUE #A		SERVICE REPAIR	X								PVC	3/4				1975
065-02	8/13/2002	NW	28	23S	24E	400 N MCKINLEY AVENUE		SERVICE REPLACEMENT	X								PVC	1				1980
066-02	8/13/2002	NE	5	24S	24E	2189 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
067-02	10/9/2002	NE	5	24S	24E	1111 W MCDONALD STREET		SERVICE REPAIR	X								PVC	1				1980
068-02	10/11/2002	SE	22	23S	24E	507 27TH TERRACE		SERVICE REPAIR	X								PVC	1				1980
069-02	10/15/2002	NW	8	23S	24E	5 1/2 MOON CANYON AVENUE		MAIN REPAIR	X											PVC	2	1966
070-02	10/17/2002	SW	23	23S	24E	216 ARIZONA STREET		MAIN REPAIR	X											STEEL	6	1908
071-02	10/23/2002	NE	5	24S	24E	2365 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
072-02	10/24/2002	SE	8	23S	24E	408 MASON HILL STREET #C		SERVICE REPAIR	X								PVC	3/4				1976
073-02	10/30/2002	SW	23	23S	24E	219 ARIZONA STREET		MAIN REPAIR	X											STEEL	6	1908
074-02	10/30/2002	NW	23	23S	24E	POWELL STREET & BRIGGS AVENUE		MAIN REPAIR	X											STEEL	6	1908
075-02	11/1/2002	NE	32	23S	24E	106 LA CHOLLA ROAD		SERVICE REPAIR	X								PVC	1				1980
076-02	11/1/2002	NW	23	23S	24E	315 PITTSBURGH AVENUE		SERVICE REPAIR	X								PVC	3/4				1980
077-02	11/4/2002	NW	28	23S	24E	106 S TAYLOR AVENUE		MAIN REPAIR	X											PVC	1	1980
078-02	12/4/2002	SE	23	23S	24E	103 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
079-02	12/5/2002	NE	5	24S	24E	2233 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
080-02	12/6/2002	NE	15	23S	24E	420 N WINWOOD ROAD		MAIN REPAIR	X											GS	2	1955
081-02	12/11/2002	SE	23	23S	24E	122 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
082-02	12/18/2002	NE	5	24S	24E	2233 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
001-03	1/8/2003	NW	29	23S	24E	1 S COY STREET		MAIN REPAIR	X											STEEL SWC	6	1964
002-03	1/8/2003	SE	23	23S	24E	212 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
003-03	1/10/2003	NW	23	23S	24E	201 COLE AVENUE		MAIN REPAIR	X											STEEL	6	1908
004-03	1/10/2003	NE	22	23S	24E	23 COCHISE ROW		MAIN REPAIR	X											CA	6	
005-03	1/17/2003	SW	29	23S	24E	58 GILA DRIVE		MAIN REPAIR	X											GS	3	1954
006-03	1/23/2003	SE	8	23S	24E	406 MASON HILL STREET #B		SERVICE REPAIR	X								PVC	3/4				1976
007-03	1/27/2003	SW	9	23S	24E	69 OK STREET #D		MAIN REPLACEMENT	X										21	STEEL	2	1954
008-03	1/31/2003	NE	32	23S	24E	10 OCOTILLO STREET		MAIN REPAIR	X											PVC	1	1980
009-03	2/3/2003	SE	23	23S	24E	415 HAZZARD STREET		MAIN REPAIR	X											STEEL	3/4	1908

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010-03	2/3/2003	NE	8	23S	24E	39 LAUNDRY HILL #D		MAIN REPAIR	X											STEEL		1908
011-03	2/10/2003	NW	8	23S	24E	804 MAIN STREET		MAIN REPLACEMENT	X										20	GS	1	1921
012-03	2/18/2003	SE	23	23S	24E	101 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
013-03	2/18/2003	SE	8	23S	24E	QUARRY CANYON & OHARA AVENUE		MAIN REPAIR	X											STEEL	6	1956
014-03	2/19/2003	NE	32	23S	24E	5 MANZANITA STREET		MAIN REPAIR	X											PVC	1	1980
015-03	2/20/2003	SW	23	23S	24E	215 ARIZONA STREET		MAIN REPAIR	X											STEEL	8	1908
016-03	2/21/2003	SW	22	23S	24E	TIN TOWN HILL		MAIN REPAIR	X											STEEL	6	1908
017-03	2/24/2003	SE	8	23S	24E	505 MAIN STREET		SERVICE REPLACEMENT	X							1	PVC	3/4				1975
018-03	2/25/2003	NW	29	23S	24E	1 S COY STREET		MAIN REPAIR	X											STEEL SWC	6	1964
019-03	2/28/2003	NE	8	23S	24E	17 LAUNDRY HILL #G		MAIN REPAIR	X										4	GS	1 1/2	1908
020-03	2/28/2003	NW	9	23S	24E	200 OPERA DRIVE #C		SERVICE REPAIR	X								GS	3/4				1921
021-03	2/28/2003	NW	9	23S	24E	200 OPERA DRIVE #C		SERVICE REPAIR	X								GS	3/4				1921
022-03	2/28/2003	NW	9	23S	24E	200 OPERA DRIVE #C		SERVICE REPAIR	X								GS	3/4				1921
023-03	3/6/2003	NE	5	24S	24E	2195 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
024-03	3/7/2003	SE	8	23S	24E	183 QUALITY HILL		MAIN REPAIR	X											GS	2	1932
025-03	3/14/2003	NW	15	23S	24E	HIGHWAY 80		MAIN REPAIR	X											STEEL	2	1975
026-03	3/26/2003	SE	8	23S	24E	CURVE STREET & QUARRY CANYON		MAIN REPAIR	X											STEEL	6	1956
027-03	4/1/2003	SE	23	23S	24E	719 SHATTUCK STREET		SERVICE REPAIR	X								PVC	3/4				1980
028-03	4/2/2003	SE	8	23S	24E	10 ART AVENUE		MAIN REPAIR	X											STEEL	1 1/2	1912
029-03	4/3/2003	NW	22	23S	24E	W ASPEN STREET		MAIN REPAIR	X											STEEL	6	1959
030-03	4/10/2003	NE	5	24S	24E	2195 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
031-03	4/11/2003	NE	5	24S	24E	2226 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
032-03	4/11/2003	SW	23	23S	24E	314 MILL ROAD		SERVICE REPAIR	X								STEEL	1/2				1908
033-03	4/26/2003	SE	23	23S	24E	305 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
034-03	5/13/2003	SW	9	23S	24E	3 TEMBY AVENUE		MAIN REPAIR	X											PVC	3/4	1975
035-03	5/16/2003	NE	15	23S	24E	420 N WINWOOD ROAD		MAIN REPAIR	X											PVC	1	1980
036-03	5/16/2003	SE	8	23S	24E	406 MASON HILL STREET #B		SERVICE REPAIR	X								PVC	3/4				1976
037-03	5/19/2003	NE	5	24S	24E	2195 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
038-03	5/20/2003	SE	23	23S	24E	122 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
039-03	5/20/2003	NW	9	23S	24E	410 BREWERY AVENUE		MAIN REPAIR	X											GS	2	1941
040-03	5/21/2003	NE	7	23S	24E	1000 COMPTON AVENUE		MAIN REPAIR	X											PVC	1	1980
041-03	6/5/2003	SE	8	23S	24E	513 MAIN STREET		SERVICE REPLACEMENT	X							1	PVC	3/4				1978
042-03	6/15/2003	NW	8	23S	24E	47 SPRING CANYON #D		MAIN REPLACEMENT	X		16661								60	PVC	1	1980
043-03	6/16/2003	SE	8	23S	24E	406 MASON HILL STREET #C		SERVICE REPAIR	X								PVC	3/4				1976
044-03	6/18/2003	SW	9	23S	24E	69 OK STREET #A		MAIN REPAIR	X											GS	2	1945
045-03	6/24/2003	NE	23	23S	24E	613 PAUL STREET		MAIN REPAIR	X											STEEL	8	1908
046-03	6/25/2003	SE	23	23S	24E	604 CAMPBELL STREET		MAIN REPAIR	X											CI	6	1908
047-03	6/26/2003	SW	23	23S	24E	14 BLACK KNOB VIEW		MAIN REPAIR	X											STEEL	8	1908
048-03	7/17/2003	SE	8	23S	24E	168 QUALITY HILL		SERVICE REPAIR	X								PVC	3/4				1975
049-03	7/18/2003	NE	5	24S	24E	977 W MCDONALD STREET		SERVICE REPAIR	X								PVC	3/4				1980
050-03	7/19/2003	SE	23	23S	24E	305 CAMPBELL STREET		SERVICE REPAIR	X								PVC	3/4				1980
051-03	8/6/2003	NW	23	23S	24E	629 BISBEE ROAD		SERVICE REPAIR	X								PVC	3/4				1980

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
052-03	8/7/2003	SE	23	23S	24E	101 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
053-03	8/12/2003	SE	23	23S	24E	8 COCHISE TRAIL		MAIN REPAIR	X											CI	6	1908
054-03	8/15/2003	SE	23	23S	24E	203 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
055-03	8/18/2003	NE	32	23S	24E	10 OCOTILLO STREET		MAIN REPAIR	X											PVC	1	1980
056-03	9/5/2003	NE	22	23S	24E	65 COCHISE ROW		MAIN REPAIR	X											CA	6	
057-03	9/15/2003	SW	9	23S	24E	1 MAIN STREET		MAIN REPAIR	X											STEEL	6	1952
058-03	9/17/2003	SE	8	23S	24E	168 QUALITY HILL		SERVICE REPAIR	X								PVC	3/4				1978
059-03	9/18/2003	NE	5	24S	24E	2215 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
060-03	9/29/2003	NE	32	23S	24E	7 LA CHOLLA ROAD		SERVICE REPAIR	X								PVC	1				1980
061-03	9/29/2003	SW	23	23S	24E	215 14TH TERRACE		SERVICE REPAIR	X								STEEL	1/2				1917
062-03	9/29/2003	SE	8	23S	24E	17 LAUNDRY HILL #E		MAIN REPAIR	X											GS	2	1908
063-03	10/5/2003	SW	9	23S	24E	69 OK STREET		MAIN REPLACEMENT			X	X							74	CU	3/4	1956
064-03	10/5/2003	SW	9	23S	24E	69 OK STREET #A		SERVICE REPLACEMENT			X	X				1	STEEL	3/4				
065-03	10/5/2003	SW	9	23S	24E	75 OK STREET		SERVICE REPLACEMENT			X	X				1	STEEL	3/4				
066-03	10/6/2003	NW	8	23S	24E	42 SPRING CANYON #C		SERVICE REPAIR	X								PVC	3/4				1980
067-03	10/8/2003	NE	5	24S	24E	2195 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
068-03	10/8/2003	SE	32	23S	24E	BY DELLA STREET REGULATOR		SERVICE REPAIR	X								CU	1				1984
069-03	10/8/2003	SW	14	23S	24E	33 OLD DOUGLAS ROAD		MAIN REPAIR	X											STEEL	6	1952
070-03	10/16/2003	SE	23	23S	24E	303 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
071-03	10/20/2003	SE	23	23S	24E	719 SHATTUCK STREET		SERVICE REPAIR	X								PVC	3/4				1980
072-03	10/21/2003	NE	5	24S	24E	2195 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
073-03	10/27/2003	SW	14	23S	24E	102 B STREET		MAIN REPAIR	X											STEEL	4	1952
074-03	10/27/2003	SW	9	23S	24E	100 CLAWSON AVENUE		MAIN REPAIR	X											STEEL	4	1930
075-03	10/28/2003	SE	23	23S	24E	106 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
076-03	10/28/2003	SE	23	23S	24E	112 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
077-03	10/28/2003	SE	23	23S	24E	409 BLACK KNOB VIEW		MAIN REPAIR	X											PVC	1	1980
078-03	10/29/2003	NW	29	23S	24E	1388 W FRANKLIN STREET		SERVICE REPAIR	X								PVC	1				1980
079-03	11/3/2003	SE	8	23S	24E	168 QUALITY HILL		SERVICE REPAIR	X								PVC	3/4				1978
080-03	11/7/2003	SE	8	23S	24E	501 MAYER AVENUE #A		MAIN REPAIR	X											PVC	1	1978
081-03	11/10/2003	SE	23	23S	24E	201 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
082-03	11/12/2003	SW	5	23S	24E	54 WOOD CANYON		SERVICE REPAIR	X								STEEL	1/2				1942
083-03	11/16/2003	SW	9	23S	24E	MAIN STREET #1		MAIN REPAIR	X											STEEL	6	1908
084-03	11/17/2003	SE	23	23S	24E	500 CAMPBELL STREET		MAIN REPAIR	X											CI	6	1908
085-03	11/18/2003	SW	23	23S	24E	11 PAUL STREET		MAIN REPAIR	X											STEEL	8	1908
086-03	11/18/2003	SE	15	23S	24E	125 PARK AVENUE		MAIN REPAIR	X											GS	2	1922
087-03	11/18/2003	SW	9	23S	24E	44 HIGH ROAD		SERVICE REPLACEMENT	X							1	CU	3/4				1980
088-03	11/18/2003	SE	8	23S	24E	16 ART AVENUE		MAIN REPLACEMENT			X	X							26	STEEL	1	1912
089-03	11/24/2003	NE	15	23S	24E	420 N WINWOOD ROAD		MAIN REPAIR	X											PVC	1	1980
090-03	12/1/2003	SW	9	23S	24E	44 HOWELL AVENUE		MAIN REPAIR	X											STEEL	4	1930
091-03	12/2/2003	NW	28	23S	24E	BETWEEN COLLINS ROAD & HIGHWAY 92		SERVICE REPLACEMENT	X											STEEL	2	1950
092-03	12/2/2003	SE	8	23S	24E	LAUNDRY HILL STEPS		MAIN REPAIR	X											GS	2	1908
093-03	12/2/2003	NW	9	23S	24E	210 YOUNGBLOOD HILL		SERVICE REPLACEMENT			X	X				1	STEEL	3/4				1994

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
094-03	12/4/2003	SW	23	23S	24E	304 EAST VISTA		MAIN REPAIR	X											STEEL	6	1908
095-03	12/5/2003	NW	8	23S	24E	5 MOON CANYON AVENUE		MAIN REPLACEMENT				X							20	PVC	2	1966
096-03	12/11/2003	SE	8	23S	24E	109 HIGGINS HILL		MAIN REPAIR	X										GS	1 1/2		1942
097-03	12/13/2003	SE	15	23S	24E	22 W. HIGHWAY 92		SERVICE REPAIR	X								PVC	1				1980
098-03	12/20/2003	SE	8	23S	24E	183 QUALITY HILL		MAIN REPAIR	X											GS	2	1932
099-03	12/22/2003	SW	23	23S	24E	101 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
100-03	12/26/2003	SW	23	23S	24E	WARREN TANK		MAIN REPAIR	X											STEEL	6	1962
101-03	12/26/2003	SE	23	23S	24E	400 CAMPBELL STREET		MAIN REPLACEMENT				X							24/6" DIP	CI	6	1908
001-04	1/9/2004	SW	22	23S	24E	4-G TIN TOWN		MAIN REPAIR	X											STEEL	2	1936
002-04	1/21/2004	SE	15	23S	24E	202 PARK AVENUE		MAIN REPLACEMENT			X	X							98	STEEL	2	1922
003-04	1/22/2004	SE	23	23S	24E	307 PAUL STREET		MAIN REPAIR	X											STEEL	8	1908
004-04	1/22/2004	NE	22	23S	24E	20 COCHISE ROW		MAIN REPAIR	X											CA	6	1957
005-04	1/27/2004	SE	23	23S	24E	209 VAN DYKE STREET		SERVICE REPAIR	X								PVC	3/4				1917
006-04	1/27/2004	SW	9	23S	24E	84 SHEARER AVENUE		MAIN REPLACEMENT			X	X								STEEL	2	1921
007-04	1/30/2004	NE	5	24S	24E	2168 S BOWERS STREET		SERVICE REPAIR	X								STEEL	1/2				1958
008-04	2/2/2004	NE	32	23S	24E	5-A MANZANITA STREET		MAIN REPAIR	X											PVC	1	1980
009-04	2/2/2004	NW	28	23S	24E	303 N WASHINGTON AVENUE		SERVICE REPLACEMENT	X											STEEL	1	1912
010-04	2/6/2004	SW	14	23S	24E	37 OLD DOUGLAS ROAD		MAIN REPAIR	X											STEEL	6	1952
011-04	2/9/2004	NE	32	23S	24E	10 OCOTILLO STREET		MAIN REPAIR	X											PVC	1	1980
012-04	2/9/2004	SE	23	23S	24E	100 BLACK KNOB VIEW		MAIN REPAIR	X											STEEL	6	1908
013-04	2/9/2004	NE	8	23S	24E	29 LAUNDRY HILL #E		MAIN REPLACEMENT	X										10	GS	3/4	1908
014-04	2/10/2004	NW	28	23S	24E	401 N MCKINLEY AVENUE		SERVICE REPAIR	X								PVC	3/4				1980
015-04	2/10/2004	NW	9	23S	24E	67 BREWERY AVENUE #A		SERVICE REPAIR	X								STEEL	3/4				1941
016-04	2/11/2004	SW	29	23S	24E	58 GILA DRIVE		MAIN REPAIR	X											STEEL	3	1954
017-04	2/12/2004	NE	5	24S	24E	2216 S BOWERS STREET		SERVICE REPAIR	X								STEEL	3/4				1958
018-04	2/26/2004	SW	9	23S	24E	33 SUBWAY STREET		SERVICE REPLACEMENT	X							2	STEEL	1			1	1950
019-04	3/1/2004	SE	23	23S	24E	122 BLACK KNOB VIEW		MAIN REPAIR	X											STEEL	6	1908
020-04	3/12/2004	SE	29	23S	24E	130 COCHISE DRIVE		SERVICE REPLACEMENT								2	STEEL	3/4		CU		1953
021-04	3/15/2004	NE	21	23S	24E	S ACACIA STREET		MAIN REPAIR	X											STEEL	3	1957
022-04	3/15/2004	NE	21	23S	24E	S ACACIA STREET		MAIN REPAIR	X											STEEL	3	1957
023-04	3/24/2004	SW	22	23S	24E	TERAN STREET		MAIN REPAIR	X											STEEL	6	1976
024-04	3/26/2004	SE	23	23S	24E	CONGDON AVENUE & SHATTUCK STREET		MAIN REPAIR	X											STEEL	6	1908
025-04	3/29/2004	NW	9	23S	24E	220 OPERA AVENUE #A		MAIN REPLACEMENT			X	X							20	STEEL	1	1921
026-04	3/30/2004	SW	9	23S	24E	23 CLAWSON AVENUE		MAIN REPAIR	X											STEEL	4	1930
027-04	4/5/2004	NE	28	23S	24E	WEST SIDE TOUREVILLE POUND		MAIN REPAIR	X											STEEL	2	1968
028-04	4/5/2004	NE	28	23S	24E	WEST SIDE TOUREVILLE POUND		MAIN REPAIR	X											STEEL	2	1968
029-04	4/5/2004	SW	23	23S	24E	501 CENTER AVENUE		MAIN REPLACEMENT	X										7	GS	3/4	1908
030-04	4/6/2004	NE	23	23S	24E	611 COLE AVENUE		MAIN REPAIR	X											STEEL	8	1908
031-04	4/7/2004	SE	15	23S	24E	65 ERIE STREET		MAIN REPAIR	X											STEEL	6	1935
032-04	4/12/2004	NW	23	23S	24E	633 BISBEE ROAD		SERVICE REPAIR	X								PVC	3/4				1980
033-04	4/12/2004	SE	23	23S	24E	207 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
034-04	4/13/2004	NW	9	23S	24E	56 ZACATECAS CANYON		MAIN REPLACEMENT			X	X							42	STEEL	1	1965

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035-04	4/16/2004	NE	5	24S	24E	2195 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
036-04	4/27/2004	SW	9	23S	24E	37-E HIGH ROAD		MAIN REPAIR	X											GS	2	1921
037-04	5/3/2004	NW	28	23S	24E	106 S TAYLOR AVENUE		MAIN REPAIR	X											PVC	1	1980
038-04	5/4/2004	SE	23	23S	24E	214 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
039-04	5/11/2004	SE	23	23S	24E	600 HOATSON AVENUE		MAIN REPAIR	X											STEEL	6	1908
040-04	5/17/2004	SW	9	23S	24E	29 OK STREET		MAIN REPAIR	X											STEEL	4	1908
041-04	5/18/2004	SW	9	23S	24E	44 HOWELL AVENUE		MAIN REPAIR	X											STEEL	4	1930
042-04	5/27/2004	NW	8	23S	24E	818 MAIN STREET		MAIN REPLACEMENT			X	X							21	STEEL	2	1921
043-04	6/7/2004	NE	32	23S	24E	10 OCOTILLO STREET		MAIN REPAIR	X											PVC	1	1980
044-04	6/16/2004	SW	9	23S	24E	41 OK STREET #A		SERVICE REPAIR	X								PVC	1				1980
045-04	6/23/2004	NW	9	23S	24E	473 N DART ROAD		MAIN REPAIR	X											STEEL	6	1908
046-04	6/24/2004	SE	23	23S	24E	324 BLACK KNOB VIEW		MAIN REPAIR	X											PVC	1	1980
047-04	6/24/2004	SE	8	23S	24E	168 QUALITY HILL		SERVICE REPAIR	X								PVC	3/4				1975
048-04	6/25/2004	SE	22	23S	24E	405 30TH TERRACE		MAIN REPAIR	X											STEEL	6	1973
049-04	6/28/2004	SW	28	23S	24E	125 CAMINO REAL		SERVICE REPLACEMENT	X							1	GS	3/4		CU		1908
050-04	7/6/2004	SE	8	23S	24E	224 MAIN STREET #A		SERVICE REPAIR	X										2	GS	1/2	
051-04	7/7/2004	NE	32	23S	24E	10 OCOTILLO STREET		MAIN REPAIR	X											PVC	1	1980
052-04	7/14/2004	SE	14	23S	24E	406 M STREET		MAIN REPAIR	X											GS	2	1952
053-04	7/15/2004	SE	8	23S	24E	201 MAIN STREET		MAIN REPLACEMENT	X										44	GS	1	1939
054-04	7/16/2004	NE	5	24S	24E	2254 S BARNETT ROAD		SERVICE REPAIR	X								PVC	1				1980
055-04	7/18/2004	SW	9	23S	24E	15 TEMBY AVENUE		SERVICE REPAIR	X								PVC	3/4				1976
056-04	7/19/2004	NW	8	23S	24E	639 MAIN STREET #A		SERVICE REPAIR	X								GS	3/4				1921
057-04	7/26/2004	NE	5	24S	24E	2254 S BARNETT ROAD		SERVICE REPAIR	X								PVC	1				1980
058-04	7/26/2004	NE	32	23S	24E	111 NIGHTHAWK AVENUE		MAIN REPAIR	X											GS	2	1954
059-04	7/28/2004	NE	15	23S	24E	12 N SYDNEY STREET		MAIN REPAIR	X											PVC	1	1980
060-04	7/28/2004	NW	8	23S	24E	51 SPRING CANYON		MAIN REPAIR	X											PVC	1	1980
061-04	7/28/2004	SE	8	23S	24E	117 HIGGINS HILL		SERVICE REPLACEMENT	X							1	GS	3/4				
062-04	7/28/2004	SW	9	23S	24E	101 BREWERY AVENUE		MAIN REPAIR	X											STEEL	3	1912
063-04	7/28/2004	SE	8	23S	24E	414 MASON HILL STREET #B		SERVICE REPAIR	X								GS	3/4				1908
064-04	8/2/2004	NE	32	23S	24E	123 LA CHOLLA ROAD		MAIN REPAIR	X											STEEL	1 1/2	1925
065-04	8/2/2004	NE	23	23S	24E	628 ARIZONA STREET		MAIN REPAIR	X											STEEL	8	1908
066-04	8/3/2004	NW	8	23S	24E	108 STAR AVENUE		MAIN REPAIR	X											STEEL		1918
067-04	8/4/2004	SW	29	23S	24E	102 GREENLEE DRIVE		MAIN REPAIR	X											STEEL	4	1961
068-04	8/10/2004	NE	32	23S	24E	111 NIGHTHAWK AVENUE		MAIN REPAIR	X											GS	2	1954
069-04	8/19/2004	SE	23	23S	24E	324 BLACK KNOB VIEW		MAIN REPAIR	X											PVC	1	1980
070-04	8/26/2004	SW	23	23S	24E	101 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
071-04	8/30/2004	NE	21	23S	24E	460 S BUFFALO AVENUE		MAIN REPAIR	X											STEEL	1	1912
072-04	8/30/2004	NE	8	23S	24E	509 BAILEY HILL #F		MAIN REPAIR	X											STEEL	1	1908
073-04	8/31/2004	SW	5	23S	24E	16 WOOD CANYON		SERVICE REPAIR	X								STEEL	3/4				1942
074-04	9/1/2004	NE	5	24S	24E	MARIE STREET		MAIN REPAIR	X											STEEL	2	1956
075-04	9/1/2004	SE	8	23S	24E	224 MAIN STREET		SERVICE REPAIR	X								PVC	1				1980
076-04	9/3/2004	SE	23	23S	24E	112 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908

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077-04	9/7/2004	NW	22	23S	24E	16 AZURITE AVENUE		MAIN REPAIR	X											STEEL	4	1952
078-04	9/7/2004	SE	29	23S	24E	412 COCHISE LANE		MAIN REPAIR	X											STEEL BW	4	1963
079-04	9/8/2004	NE	22	23S	24E	14 STRONG ROW		SERVICE REPLACEMENT	X							1	GS	3/4				
080-04	9/8/2004	NW	8	23S	24E	51 SPRING CANYON #A		MAIN REPAIR	X											PVC	1	1980
081-04	9/15/2004	SW	9	23S	24E	11 CLAWSON AVENUE		MAIN REPAIR	X											STEEL	4	1930
082-04	9/20/2004	SW	9	23S	24E	1 TEMBY AVENUE #A		MAIN REPAIR	X											PVC	3/4	1975
083-04	9/21/2004	NE	5	24S	24E	2215 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
084-04	9/22/2004	NE	8	23S	24E	11 LAUNDRY HILL		MAIN REPAIR	X											STEEL	1 1/2	1908
085-04	9/24/2004	SE	23	23S	24E	324 BLACK KNOB VIEW		MAIN REPAIR	X											PVC	1	1980
086-04	9/28/2004	NW	9	23S	24E	203 BREWERY AVENUE		MAIN REPAIR	X											PVC	1	1980
087-04	9/30/2004	SE	23	23S	24E	324 BLACK KNOB VIEW		MAIN REPAIR	X											PVC	3/4	1980
088-04	10/2/2004	NE	7	23S	24E	1642 W BOULEVARD		MAIN REPAIR	X											PVC	1	1980
089-04	10/4/2004	NW	23	23S	24E	315 PITTSBURGH AVENUE		SERVICE REPAIR	X								PVC	3/4				1980
090-04	10/6/2004	SE	8	23S	24E	224 MAIN STREET		SERVICE REPAIR	X								PVC	1				1980
091-04	10/8/2004	NE	21	23S	24E	446 W ASPEN STREET		MAIN REPAIR	X											PVC	1	1980
092-04	10/15/2004	NE	5	24S	24E	2175 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
093-04	10/15/2004	SW	23	23S	24E	118 ARIZONA STREET		MAIN REPAIR	X											STEEL	6	1908
094-04	10/18/2004	SE	23	23S	24E	204 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
095-04	10/21/2004	SE	23	23S	24E	212 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
096-04	10/26/2004	NW	28	23S	24E	EADS DON LUIS		MAIN REPAIR	X											STEEL	2	1966
097-04	10/27/2004	SW	23	23S	24E	219 ARIZONA STREET		MAIN REPAIR	X											STEEL	8	1908
098-04	10/27/2004	SW	23	23S	24E	219 ARIZONA STREET		MAIN REPAIR	X											STEEL	8	1908
099-04	10/27/2004	SW	23	23S	24E	219 ARIZONA STREET		MAIN REPAIR	X											STEEL	8	1908
100-04	10/27/2004	SW	23	23S	24E	219 ARIZONA STREET		MAIN REPAIR	X											STEEL	8	1908
101-04	11/1/2004	SE	8	23S	24E	224 MAIN STREET		MAIN REPLACEMENT			X	X							104	PVC	1	1975
102-04	11/9/2004	NE	21	23S	24E	446 W ASPEN STREET		MAIN REPAIR	X											PVC	1	1980
103-04	11/9/2004	NE	8	23S	24E	513 BAILEY HILL		MAIN REPAIR	X											STEEL	1	1908
104-04	11/10/2004	SW	23	23S	24E	307 W VISTA		MAIN REPAIR	X											STEEL	6	1908
105-04	11/12/2004	SW	9	23S	24E	25 CLAWSON AVENUE		MAIN REPAIR	X											PVC	1	1980
106-04	11/16/2004	NE	21	23S	24E	5 BUFFALO AVENUE		MAIN REPAIR	X											STEEL	2	1912
107-04	11/16/2004	NE	5	24S	24E	1168 W GRANADA LANE		SERVICE REPAIR	X								PVC	3/4				1970
108-04	11/16/2004	SE	23	23S	24E	204 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
109-04	11/17/2004	SE	23	23S	24E	105 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
110-04	11/17/2004	SE	14	23S	24E	416 N STREET		MAIN REPAIR	X											GS	2	1952
111-04	11/18/2004	NE	32	23S	24E	10 OCOTILLO STREET		MAIN REPAIR	X											PVC	1	1980
112-04	11/19/2004	NE	32	23S	24E	5-A MANZANITA STREET		MAIN REPAIR	X											PVC	1	1980
113-04	11/22/2004	NE	5	24S	24E	2159 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
114-04	11/22/2004	SW	22	23S	24E	400 TERAN STREET		MAIN REPAIR	X											STEEL	6	1976
115-04	11/22/2004	SW	22	23S	24E	300 TERAN STREET		MAIN REPAIR	X											STEEL	2	1936
116-04	11/29/2004	SW	22	23S	24E	300 TERAN STREET		MAIN REPAIR	X											STEEL	2	1936
117-04	11/29/2004	SE	8	23S	24E	408 MASON HILL STREET #C		SERVICE REPAIR	X								PVC	3/4				1976
118-04	11/30/2004	SW	22	23S	24E	TIN TOWN HILL		MAIN REPAIR	X											STEEL	6	1906

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
119-04	12/1/2004	SW	23	23S	24E	302 EAST VISTA		MAIN REPAIR	X											STEEL	6	1908
120-04	12/2/2004	NE	7	23S	24E	944 SIMMS ROAD		MAIN REPAIR	X										GS	1		1942
121-04	12/2/2004	NW	22	23S	24E	112 AZURITE AVENUE		MAIN REPAIR	X											STEEL	4	1952
122-04	12/8/2004	NW	9	23S	24E	324 BREWERY AVENUE		MAIN REPAIR	X											STEEL	2	1912
123-04	12/10/2004	NE	8	23S	24E	517 BAILEY HILL #F		MAIN REPAIR	X											STEEL	1	1908
124-04	12/12/2004	SW	23	23S	24E	307 ARIZONA STREET		SERVICE REPAIR	X								PVC	3/4				1908
125-04	12/13/2004	NE	8	23S	24E	17 LAUNDRY HILL #F		MAIN REPAIR	X											GS	2	1908
126-04	12/13/2004	SE	8	23S	24E	151 QUARRY CANYON		MAIN REPAIR	X											STEEL	2	1956
127-04	12/13/2004	NE	8	23S	24E	517 BAILEY HILL #F		MAIN REPAIR	X											STEEL	1	1908
128-04	12/15/2004	NE	29	23S	24E	2010 W HIGHWAY 92		MAIN REPAIR	X											PVC	2	1998
129-04	12/17/2004	NE	32	23S	24E	10 OCOTILLO STREET		MAIN REPAIR	X											PVC	1	1980
130-04	12/17/2004	SE	29	23S	24E	104 NAVAJO DRIVE		MAIN REPAIR	X											STEEL	4	1957
131-04	12/20/2004	NW	8	23S	24E	836 SIMMS ROAD		SERVICE REPAIR	X								STEEL	3/4				1942
001-05	1/3/2005	NW	9	23S	24E	200 BREWERY AVENUE		MAIN REPAIR	X											STEEL	2	1912
002-05	1/4/2005	SE	23	23S	24E	319 HAZZARD STREET		MAIN REPAIR												STEEL	3/4	1908
003-05	1/5/2005	SE	23	23S	24E	409 HAZZARD STREET		SERVICE REPAIR									STEEL	3/4				1908
004-05	1/6/2005	NE	29	23S	24E	851 W HIGHWAY 92		SERVICE REPAIR	X								STEEL	3/4				1912
005-05	1/11/2005	SE	23	23S	24E	12 MOHAVE TRAIL		SERVICE REPLACEMENT	X							1	STEEL	1/2				1908
006-05	1/12/2005	SE	23	23S	24E	324 BLACK KNOB VIEW		MAIN REPAIR	X											PVC	1	1980
007-05	1/14/2005	SE	15	23S	24E	22 W HIGHWAY 92		SERVICE REPAIR	X								PVC	1				1980
008-05	1/17/2005	SE	23	23S	24E	122 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
009-05	1/19/2005	NW	9	23S	24E	250 BREWERY AVENUE #C		MAIN REPLACEMENT			X	X							21	STEEL	2	1912
010-05	1/20/2005	SE	23	23S	24E	203 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
011-05	1/20/2005	NW	9	23S	24E	250 BREWERY AVENUE #C		MAIN REPLACEMENT	X										20	STEEL	2	1912
012-05	1/21/2005	NW	8	23S	24E	735 MAIN STREET #B		MAIN REPAIR	X											GS	1 1/4	1921
013-05	1/24/2005	SW	9	23S	24E	3 TEMBY AVENUE		MAIN REPAIR	X											PVC	3/4	1975
014-05	1/25/2005	SE	15	23S	24E	22 W HIGHWAY 92		MAIN REPAIR	X											STEEL	4	1953
015-05	1/28/2005	NW	8	23S	24E	732 GENTRY AVENUE		MAIN REPAIR	X											GS	1	1921
016-05	1/28/2005	NW	8	23S	24E	740 MAIN STREET		MAIN REPLACEMENT			X	X							2	STEEL	1 1/4	1921
017-05	1/31/2005	NE	5	24S	24E	2159 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
018-05	1/31/2005	SE	23	23S	24E	202 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
019-05	1/31/2005	SW	23	23S	24E	101 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
020-05	1/31/2005	SE	23	23S	24E	510 POWELL STREET		SERVICE REPAIR	X								PVC	3/4				1980
021-05	2/1/2005	SW	23	23S	24E	323 16TH TERRACE		MAIN REPAIR	X											STEEL	4	1954
022-05	2/1/2005	SE	23	23S	24E	114 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
023-05	2/2/2005	SE	23	23S	24E	308 CAMPBELL STREET		MAIN REPAIR	X											CI	6	1908
024-05	2/2/2005	SE	23	23S	24E	408 CAMPBELL STREET		MAIN REPAIR	X											STEEL	6	1908
025-05	2/5/2005	SE	23	23S	24E	703 SHATTUCK STREET		SERVICE REPAIR									GS	1				1908
026-05	2/8/2005	SW	23	23S	24E	209 MILL ROAD		MAIN REPAIR	X								STEEL	3/4				1908
027-05	2/10/2005	NW	28	23S	24E	413 N MCKINLEY AVENUE		SERVICE REPLACEMENT	X								S	3/4				1980
028-05	2/22/2005	SW	14	23S	24E	33 OLD DOUGLAS ROAD		MAIN REPAIR	X											STEEL	6	1952
029-05	2/22/2005	SW	23	23S	24E	89 COCHISE ROW		SERVICE REPLACEMENT	X								CU	3/4				

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
030-05	2/23/2005	SE	8	23S	24E	435 MAYOR AVENUE		MAIN REPLACEMENT	X										22	STEEL	2	1922
031-05	2/23/2005	SE	8	23S	24E	435 MAYOR AVENUE		SERVICE REPLACEMENT	X							1	STEEL	3/4				1922
032-05	2/23/2005	SE	8	23S	24E	433 GARDEN AVENUE		MAIN REPLACEMENT			X	X							24	STEEL	2	1956
033-05	2/24/2005	SE	8	23S	24E	201 MAIN STREET		MAIN REPAIR	X											STEEL	1	
034-05	2/25/2005	SW	23	23S	24E	101 CLAWSON STREET		MAIN REPAIR	X											GS	2	1962
035-05	3/1/2005	NE	5	24S	24E	2159 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
036-05	3/4/2005	SE	29	23S	24E	104 NAVAJO DRIVE		MAIN REPAIR												STEEL	4	1957
037-05	3/7/2005	NE	32	23S	24E	10 OCOTILLO STREET		MAIN REPAIR	X											PVC	1	1980
038-05	3/8/2005	NE	5	24S	24E	2233 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
039-05	3/8/2005	SE	23	23S	24E	18 YUMA TRAIL		SERVICE REPAIR	X								STEEL	1				1908
040-05	3/9/2005	SW	29	23S	24E	108 GREENLEE DRIVE		MAIN REPLACEMENT	X											STEEL	4	1961
041-05	3/16/2005	NE	15	23S	24E	12 N SYDNEY STREET		MAIN REPAIR	X											PVC	1	1980
042-05	3/18/2005	NE	32	23S	24E	10 OCOTILLO STREET		MAIN REPAIR	X											PVC	1	1980
043-05	3/24/2005	NW	8	23S	24E	825 MAIN STREET		SERVICE REPAIR	X								PVC	1				
044-05	3/25/2005	NE	5	24S	24E	2159 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
045-05	3/28/2005	SE	23	23S	24E	20 YUMA TRAIL		SERVICE REPAIR	X								GS	1/2				1908
046-05	4/8/2005	SE	23	23S	24E	20 YUMA TRAIL		SERVICE REPAIR	X								CU	1				
047-05	4/11/2005	SE	23	23S	24E	206 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
048-05	4/12/2005	SE	15	23S	24E	16 ERIE STREET		MAIN REPAIR	X											STEEL	6	1935
049-05	4/13/2005	SE	23	23S	24E	324 BLACK KNOB VIEW		MAIN REPAIR	X											PVC	3/4	1980
050-05	4/15/2005	NE	23	23S	24E	608 POWELL STREET		MAIN REPAIR	X											STEEL	6	1908
051-05	4/21/2005	SW	23	23S	24E	211 W VISTA		MAIN REPAIR	X											STEEL	1	1908
052-05	4/21/2005	SE	8	23S	24E	142 MAIN STREET		SERVICE REPLACEMENT									PVC	3/4				1978
053-05	4/29/2005	SE	8	23S	24E	240 OHARA AVENUE		MAIN REPLACEMENT			X	X							28	STEEL	2	1941
054-05	5/5/2005	SW	23	23S	24E	317 16TH TERRACE		MAIN REPAIR	X											GS	2	1917
055-05	5/5/2005	SW	23	23S	24E	11 ARIZONA STREET		MAIN REPAIR	X											STEEL		1908
056-05	5/10/2005	NE	5	24S	24E	2215 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
057-05	5/10/2005	SE	23	23S	24E	122 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
058-05	5/11/2005	NW	9	23S	24E	218 OK STREET		MAIN REPAIR	X											STEEL	2	1941
059-05	5/14/2005	SE	23	23S	24E	207 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
060-05	5/15/2005	SE	23	23S	24E	312 SHATTUCK STREET		SERVICE REPAIR	X								PVC	3/4				1980
061-05	5/17/2005	SW	9	23S	24E	25 CLAWSON AVENUE		MAIN REPAIR	X											CU	3/4	1908
062-05	5/17/2005	SE	8	23S	24E	401 GARDEN AVENUE		MAIN REPLACEMENT			X	X							18	STEEL	2	1912
063-05	5/18/2005	NW	28	23S	24E	410 N MCKINLEY AVENUE		SERVICE REPAIR	X								PVC	3/4				1980
064-05	5/18/2005	SE	23	23S	24E	400 SHATTUCK STREET		MAIN REPAIR	X											STEEL	8	1908
065-05	5/23/2005	SE	23	23S	24E	115 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
066-05	5/24/2005	SW	9	23S	24E	42 BREWERY AVENUE		MAIN REPAIR	X											STEEL	3	1912
067-05	5/24/2005	NW	9	23S	24E	42 BREWERY AVENUE		MAIN REPAIR	X											STEEL	3	1912
068-05	5/25/2005	SW	23	23S	24E	408 EAST VISTA		MAIN REPAIR	X											STEEL	6	1908
069-05	5/26/2005	SW	22	23S	24E	607 CARBAJAL STREET		MAIN REPAIR	X											STEEL	2	1936
070-05	5/26/2005	SE	23	23S	24E	101 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
071-05	5/26/2005	SE	8	23S	24E	98 QUALITY HILL #B		MAIN REPAIR	X											GS	1	1958

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
072-05	5/26/2005	SE	8	23S	24E	98 QUALITY HILL #B		MAIN REPAIR	X											GS	1	1958
073-05	5/27/2005	SW	23	23S	24E	317 MILL ROAD		MAIN REPLACEMENT			16730	X							33	DIP	4	1908
074-05	6/1/2005	NW	8	23S	24E	819 MAIN STREET		MAIN REPAIR	X											GS	2	1921
075-05	6/3/2005	SW	9	23S	24E	109 MAIN STREET		MAIN REPLACEMENT			X	X							40	CA	6	1980
076-05	6/15/2005	NE	15	23S	24E	400 N WINWOOD ROAD		MAIN REPAIR	X											PVC	1	1980
077-05	6/15/2005	SE	23	23S	24E	324 BLACK KNOB VIEW		MAIN REPAIR	X											PVC	1	1980
078-05	6/20/2005	SW	23	23S	24E	207 ARIZONA STREET		MAIN REPAIR	X											STEEL		1908
079-05	6/21/2005	NE	21	23S	24E	446 W ASPEN STREET		MAIN REPAIR	X											PVC	1	1980
080-05	6/21/2005	NW	8	23S	24E	51 SPRING CANYON		MAIN REPAIR	X											PVC	1	1980
081-05	6/22/2005	SE	8	23S	24E	13 LEDGE AVENUE		MAIN REPAIR	X											GS	2	1939
082-05	6/24/2005	SE	23	23S	24E	324 BLACK KNOB VIEW		MAIN REPLACEMENT	X		16729								30	PVC	1	1908
083-05	6/29/2005	NE	5	24S	24E	2218 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
084-05	7/19/2005	SE	23	23S	24E	416 HAZZARD STREET		MAIN REPAIR			16729	X							80	STEEL	3/4	1908
085-05	8/8/2005	NE	32	23S	24E	10 OCOTILLO STREET		MAIN REPAIR	X											PVC	1	1980
086-05	8/16/2005	SE	23	23S	24E	210 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
087-05	8/22/2005	NE	5	24S	24E	2312 ED STREET		SERVICE REPAIR	X								CU	1				1905
088-05	8/22/2005	SE	23	23S	24E	308 CAMPBELL STREET		SERVICE REPAIR	X								STEEL	3/4				1908
089-05	8/23/2005	SW	9	23S	24E	HIGHWAY 80 (LAVENDER PIT)		MAIN REPAIR	X											STEEL	6	1968
090-05	8/29/2005	SE	23	23S	24E	705 SHATTUCK STREET		SERVICE REPAIR									GS	1				1908
091-05	8/29/2005	NE	22	23S	24E	#11 BISBEE ROAD		SERVICE REPAIR	X								PVC	3/4				1980
092-05	9/22/2005	SE	8	23S	24E	17 LAUNDRY HILL		MAIN REPAIR	X										4	STEEL	2	1908
093-05	9/26/2005	NW	9	23S	24E	203 YOUNGBLOOD HILL #C		SERVICE REPAIR	X								PVC	3/4				1978
094-05	9/29/2005	SW	14	23S	24E	33 OLD DOUGLAS ROAD		MAIN REPAIR	X											STEEL	6	1952
095-05	10/2/2005	SW	29	23S	24E	108 GREENLEE DRIVE		MAIN REPAIR	X											STEEL	4	1961
096-05	10/6/2005	NE	7	23S	24E	1000 COMPTON AVENUE		MAIN REPAIR	X											PVC	1	1980
097-05	10/6/2005	NW	8	23S	24E	51 SPRING CANYON #A		MAIN REPAIR	X											PVC	1	1980
098-05	10/6/2005	NE	7	23S	24E	1000 COMPTON AVENUE		MAIN REPAIR	X											PVC	1	1980
099-05	10/6/2005	NE	7	23S	24E	1000 COMPTON AVENUE		MAIN REPAIR	X											PVC	1	1980
100-05	10/6/2005	NE	7	23S	24E	1000 COMPTON AVENUE		MAIN REPAIR	X											PVC	1	1980
101-05	10/11/2005	SW	22	23S	24E	300 TERAN STREET		MAIN REPAIR	X											STEEL	2	1936
102-05	10/31/2005	SE	23	23S	24E	609 TENER AVENUE		MAIN REPAIR	X											STEEL	8	1908
103-05	11/4/2005	NE	8	23S	24E	17 LAUNDRY HILL #F		MAIN REPAIR	X											GS	2	1908
104-05	11/29/2005	NW	8	23S	24E	707 MAIN STREET		MAIN REPLACEMENT			X	X							53	STEEL	1 1/2	1918
105-05	12/6/2005	SW	14	23S	24E	422 M STREET		MAIN REPLACEMENT			X	X							125	GS	3	1952
106-05	12/7/2005	SW	14	23S	24E	216 A STREET		MAIN REPLACEMENT			X	X							49	GS	1 1/2	1952
107-05	12/9/2005	SE	23	23S	24E	220 BLACK KNOB VIEW		MAIN REPAIR	X											GS	2	1908
108-05	12/14/2005	SE	8	23S	24E	110 HIGGINS HILL		MAIN REPAIR	X										GS	2		1942
109-05	12/20/2005	SE	23	23S	24E	204 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
110-05	12/20/2005	SE	23	23S	24E	114 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
111-05	12/20/2005	SW	23	23S	24E	302 EAST VISTA		MAIN REPAIR	X											STEEL	6	1908
112-05	12/20/2005	SE	23	23S	24E	312 CAMPBELL STREET		MAIN REPAIR	X											CI	6	1908
113-05	12/24/2005	SE	29	23S	24E	103 COCONINO DRIVE		MAIN REPAIR	X											STEEL	4	1957

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001-06	1/6/2006	SW	22	23S	24E	305 TERAN STREET		MAIN REPAIR	X											STEEL	1 1/2	1936
002-06	1/8/2006	SW	9	23S	24E	15 TEMBY AVENUE		SERVICE REPAIR	X								PVC	3/4				1976
003-06	1/23/2006	NW	8	23S	24E	45 SPRING CANYON #A		MAIN REPAIR	X											PVC	1	1980
004-06	1/30/2006	NE	32	23S	24E	10 OCOTILLO STREET		MAIN REPAIR	X											PVC	1	1980
005-06	2/22/2006	NE	22	23S	24E	40 DALLAS STREET		MAIN REPAIR	X											STEEL	6	1956
006-06	2/22/2006	SW	9	23S	24E	6 MAXFIELD AVENUE		MAIN REPAIR	X											GS	2	1942
007-06	2/23/2006	NE	5	24S	24E	2159 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
008-06	3/1/2006	NE	21	23S	24E	446 W ASPEN STREET		MAIN REPAIR	X											PVC	1	1980
009-06	3/9/2006	NE	22	23S	24E	201 PARK AVENUE		MAIN REPAIR	X											STEEL	6	1922
010-06	3/13/2006	SE	23	23S	24E	203 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
011-06	3/14/2006	NW	8	23S	24E	724 MAIN STREET		MAIN REPLACEMENT	X										12	GS	3/4	1912
012-06	4/3/2006	SW	9	23S	24E	112 WALSH AVENUE #B		MAIN REPLACEMENT	X		X	X							63	PVC	3/4	1980
013-06	4/4/2006	NW	8	23S	24E	51 SPRING CANYON #A		MAIN REPLACEMENT	X		19104								133	PVC	1	1980
014-06	4/7/2006	SE	23	23S	24E	609 TENER AVENUE		MAIN REPAIR	X											STEEL	8	1908
015-06	4/10/2006	NW	28	23S	24E	410 N MCKINLEY AVENUE		SERVICE REPAIR	X								PVC	3/4				1980
016-06	4/23/2006	SE	23	23S	24E	208 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
017-06	4/24/2006	NE	8	23S	24E	501 MAYER AVENUE		MAIN REPAIR	X											STEEL	2	1908
018-06	4/25/2006	SW	14	23S	24E	104 C STREET		SERVICE REPAIR	X								STEEL	3/4				1952
019-06	5/3/2006	NW	9	23S	24E	210-C MILLER HILL AVENUE		MAIN REPAIR	X											GS	1 1/4	1921
020-06	5/5/2006	NE	21	23S	24E	430 S BUFFALO AVENUE		MAIN REPAIR	X											STEEL	3	1957
021-06	5/5/2006	NE	15	23S	24E	400 N WINWOOD ROAD		MAIN REPAIR	X											PVC	1	1980
022-06	5/10/2006	SE	23	23S	24E	101 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
023-06	5/11/2006	SW	23	23S	24E	409 HOVLAND STREET		SERVICE REPAIR	X								STEEL	1/2				1908
024-06	5/12/2006	NE	5	24S	24E	2320 S BOWERS STREET		SERVICE REPAIR	X								PVC	1		STEEL		1980
025-06	5/12/2006	SE	23	23S	24E	115 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
026-06	5/19/2006	NW	28	23S	24E	411 N MCKINLEY AVENUE		SERVICE REPLACEMENT	X								PVC	3/4				1980
027-06	5/23/2006	NW	29	23S	24E	1 S COY STREET		MAIN REPAIR	X											STEEL SWC	6	1964
028-06	5/24/2006	SE	23	23S	24E	102 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
029-06	5/24/2006	SE	23	23S	24E	102 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
030-06	5/24/2006	SE	23	23S	24E	102 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
031-06	5/30/2006	NE	5	24S	24E	980 W MCDONALD STREET		SERVICE REPAIR	X								PVC	3/4				1980
032-06	5/30/2006	SE	23	23S	24E	309 CLAWSON STREET		MAIN REPAIR	X											GS	8	1908
033-06	6/4/2006	NE	5	24S	24E	2226 S BOWERS STREET		MAIN REPAIR					X							STEEL	4	1958
034-06	6/8/2006	NE	5	24S	24E	2159 S BOWERS STREET		MAIN REPAIR					X							GS	2	1958
035-06	6/16/2006	SW	9	23S	24E	1 TEMBY AVENUE		MAIN REPAIR	X											PVC	3/4	1975
036-06	6/18/2006	NE	5	24S	24E	2074 S BOWERS STREET		MAIN REPAIR					X							STEEL	4	1958
037-06	7/6/2006	NW	9	23S	24E	234 OPERA AVENUE #C		SERVICE REPLACEMENT			X	X				1	STEEL	3/4				1921
038-06	7/10/2006	NE	15	23S	24E	420 N WINWOOD ROAD		MAIN REPAIR	X											PVC	1	1980
039-06	7/11/2006	SE	23	23S	24E	711 COLE AVENUE		MAIN REPAIR	X											STEEL	8	1908
040-06	7/12/2006	SE	29	23S	24E	101 NAVAJO DRIVE		MAIN REPAIR	X											STEEL	6	1957
041-06	7/13/2006	NE	32	23S	24E	10 OCOTILLO STREET		MAIN REPAIR	X											PVC	1	1980
042-06	7/17/2006	SW	23	23S	24E	BLACK KNOB VIEW & ARIZONA STREET		MAIN REPAIR	X											STEEL	8	1908

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
043-06	7/28/2006	SE	23	23S	24E	421 BLACK KNOB VIEW		MAIN REPLACEMENT	X		19118								8	GS	1	1908
044-06	8/1/2006	NE	23	23S	24E	711 COLE AVENUE		MAIN REPLACEMENT			19119	X							32	STEEL	8	1908
045-06	8/4/2006	SW	9	23S	24E	44 HOWELL AVENUE		MAIN REPAIR	X											STEEL	4	1930
046-06	8/6/2006	SW	9	23S	24E	19 TEMBY AVENUE		MAIN REPAIR	X											GS	2	1962
047-06	8/9/2006	SE	23	23S	24E	409 BLACK KNOB VIEW		MAIN REPLACEMENT	X		19122								5	STEEL	6	1908
048-06	8/13/2006	SW	9	23S	24E	48 HOWELL AVENUE		MAIN REPAIR	X											STEEL	4	1930
049-06	8/17/2006	SW	23	23S	24E	208 CENTER AVENUE		MAIN REPAIR	X											CU	1	
050-06	8/23/2006	NW	28	23S	24E	103 N TAYLOR AVENUE		SERVICE REPLACEMENT	X							1	CU	3/4		CU		
051-06	8/23/2006	SE	23	23S	24E	204 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
052-06	9/14/2006	SW	9	23S	24E	53 OK STREET #C		MAIN REPAIR	X											PVC	1	1980
053-06	9/14/2006	SW	9	23S	24E	53 OK STREET #C		MAIN REPAIR	X											PVC	1	1980
054-06	9/15/2006	SE	23	23S	24E	115 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
055-06	9/15/2006	SE	23	23S	24E	115 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
056-06	9/15/2006	SE	23	23S	24E	115 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
057-06	9/15/2006	NW	23	23S	24E	608 HOVLAND STREET		SERVICE REPLACEMENT			19127	X				1	STEEL	3/4				1908
058-06	9/22/2006	SE	23	23S	24E	202 CLAWSON STREET		MAIN REPAIR	X											GS	8	1908
059-06	9/22/2006	SE	23	23S	24E	309 CLAWSON STREET		MAIN REPAIR	X											GS	8	1908
060-06	9/27/2006	SE	23	23S	24E	318 CLAWSON STREET		MAIN REPAIR	X											GS	8	1908
061-06	10/2/2006	SE	23	23S	24E	119 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
062-06	10/3/2006	SE	23	23S	24E	204 CLAWSON STREET		MAIN REPAIR	X											GS	8	1908
063-06	10/5/2006	NE	32	23S	24E	5 LA CHOLLA ROAD		SERVICE REPLACEMENT				X				1	PVC	1				1906
064-06	10/6/2006	SW	9	23S	24E	61 TEMBY AVENUE #B		MAIN REPLACEMENT				X							40	PVC	1	1975
065-06	10/10/2006	SW	9	23S	24E	17 TEMBY AVENUE		SERVICE REPAIR	X								PVC	3/4				1976
066-06	10/10/2006	SW	9	23S	24E	51 TEMBY AVENUE		SERVICE REPLACEMENT				X				1	GS	3/4				1921
067-06	10/12/2006	SE	23	23S	24E	204 CLAWSON STREET		MAIN REPAIR	X											GS	8	1908
068-06	10/13/2006	SW	9	23S	24E	118 WALSH AVENUE #D		MAIN REPLACEMENT	X										16	PVC	1	1980
069-06	10/19/2006	SW	9	23S	24E	17 TEMBY AVENUE		SERVICE REPLACEMENT				X				1	GS	3/4				1921
070-06	10/26/2006	SW	9	23S	24E	473 N DART ROAD		SERVICE REPLACEMENT			19135	X				1	STEEL	1				1908
071-06	10/31/2006	NW	9	23S	24E	5 - 56 ZACATECAS CANYON		MAIN REPLACEMENT			X	X							60	STEEL	1	1991
072-06	11/16/2006	NE	28	23S	24E	WEST SIDE TOUREVILLE POUND		MAIN REPAIR	X											STEEL	2	1968
073-06	11/28/2006	NE	5	24S	24E	2159 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
074-06	12/15/2006	SW	22	23S	24E	31-B CARBAJAL STREET		MAIN REPAIR	X											STEEL	2	1936
075-06	12/21/2006	SE	8	23S	24E	17 LAUNDRY HILL #E		MAIN REPLACEMENT	X										3	GS	2	1908
076-06	12/27/2006	SW	9	23S	24E	25 CLAWSON AVENUE		MAIN REPLACEMENT				X							20	CU	1	1980
077-06	12/28/2006	NW	9	23S	24E	200 OPERA DRIVE #F		SERVICE REPAIR	X								STEEL	3/4				1921
001-07	1/5/2007	NW	8	23S	24E	600 WARREN HILL #B		MAIN REPAIR	X											STEEL		
002-07	1/8/2007	NE	15	23S	24E	420 N WINWOOD ROAD		MAIN REPAIR	X											PVC	1	1980
003-07	1/15/2007	SW	22	23S	24E	ARVIZO STREET		MAIN REPAIR	X											STEEL	1	1938
004-07	1/16/2007	SW	9	23S	24E	12 MAXFIELD AVENUE		MAIN REPLACEMENT			19158	X								STEEL	2	1942
005-07	1/17/2007	NW	9	23S	24E	200 OPERA DRIVE #F		SERVICE REPAIR	X								STEEL	3/4				1921
006-07	1/17/2007	NW	8	23S	24E	822 MAIN STREET #C		MAIN REPAIR	X											GS	2	1921
007-07	1/18/2007	NW	28	23S	24E	311 N WASHINGTON AVENUE		MAIN REPAIR			19175	X								CU	3/4	1907

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008-07	1/31/2007	NE	15	23S	24E	420 N WINWOOD ROAD		MAIN REPAIR	X											PVC	1	1980
009-07	2/1/2007	NE	23	23S	24E	400 COLE AVENUE		MAIN REPAIR	X											STEEL	6	1908
010-07	2/5/2007	SW	23	23S	24E	307 W VISTA		MAIN REPAIR	X											STEEL	6	1908
011-07	2/21/2007	SE	23	23S	24E	103 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
012-07	2/27/2007	SW	9	23S	24E	13 MAXFIELD AVENUE		SERVICE REPAIR	X											GS	2	1942
013-07	2/27/2007	NW	9	23S	24E	253 BREWERY AVENUE #B		MAIN REPAIR	X											GS	2	1941
014-07	2/28/2007	NW	28	23S	24E	107 S TAYLOR AVENUE		MAIN REPAIR	X											PVC	1	1980
015-07	3/4/2007	SE	23	23S	24E	112 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
016-07	3/8/2007	SE	23	23S	24E	112 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
017-07	3/9/2007	SE	23	23S	24E	112 BLACK KNOB VIEW		MAIN REPAIR	X											STEEL	6	1908
018-07	3/12/2007	NE	28	23S	24E	WEST SIDE TOUREVILLE POUND		MAIN REPAIR	X											STEEL	2	1968
019-07	3/12/2007	NE	23	23S	24E	603 POWELL STREET		MAIN REPAIR	X											GS	2	1954
020-07	3/12/2007	SE	23	23S	24E	112 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
021-07	3/13/2007	NE	32	23S	24E	6 MANZANITA STREET		MAIN REPAIR	X											PVC	1	1980
022-07	3/16/2007	SE	23	23S	24E	212 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
023-07	3/19/2007	SE	14	23S	24E	34 OLD DOUGLAS ROAD		MAIN REPAIR	X											STEEL	6	1952
024-07	3/26/2007	SW	23	23S	24E	208 EAST VISTA		MAIN REPAIR	X											STEEL	6	1908
025-07	3/26/2007	SW	23	23S	24E	100 RUPPE AVENUE		MAIN REPAIR	X											STEEL	4	1908
026-07	3/28/2007	SW	9	23S	24E	13 MAXFIELD AVENUE		SERVICE REPLACEMENT	X		19154	X				1	STEEL	3/4		STEEL	2	1942
027-07	4/4/2007	SW	9	23S	24E	1 TEMBY AVENUE		MAIN REPAIR	X											PVC	1	1976
028-07	4/13/2007	SW	9	23S	24E	108 MAIN STREET		MAIN REPLACEMENT			X	X							40	STEEL	1/2	1942
029-07	4/16/2007	NE	32	23S	24E	103 OCOTILLO STREET		SERVICE REPLACEMENT	X							1	CU	3/4				1907
030-07	4/24/2007	NE	22	23S	24E	33 COCHISE ROW		MAIN REPAIR	X											CA	6	1957
031-07	4/25/2007	SE	23	23S	24E	8 COCHISE TRAIL		MAIN REPAIR	X											CI	6	1908
032-07	4/25/2007	NW	23	23S	24E	GREENWAY SCHOOL		SERVICE REPAIR	X											STEEL	4	1912
033-07	5/2/2007	SE	15	23S	24E	1 ERIE STREET		MAIN REPLACEMENT			X	X							42	STEEL	6	1955
034-07	5/11/2007	SE	23	23S	24E	117 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
035-07	5/11/2007	SE	23	23S	24E	117 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
036-07	5/15/2007	SE	23	23S	24E	115 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
037-07	5/15/2007	SE	23	23S	24E	115 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
038-07	5/24/2007	NE	32	23S	24E	10 OCOTILLO STREET		MAIN REPAIR	X											PVC	1	1980
039-07	5/25/2007	SW	9	23S	24E	23 TEMBY AVENUE #C		MAIN REPAIR	X											GS	1	1962
040-07	5/25/2007	SW	9	23S	24E	23 TEMBY AVENUE #C		MAIN REPLACEMENT				X							25	GS	1	1921
041-07	6/6/2007	SE	29	23S	24E	321 COCHISE LANE		MAIN REPAIR	X											STEEL BW	4	1963
042-07	6/6/2007	SW	9	23S	24E	1 TEMBY AVENUE		MAIN REPLACEMENT				X							85	PVC	3/4	1975
043-07	6/8/2007	NE	15	23S	24E	400 N WINWOOD ROAD		MAIN REPAIR	X											PVC	1	1980
044-07	6/11/2007	NW	8	23S	24E	822 MAIN STREET #C		MAIN REPLACEMENT			X	X							14	CU	3/4	1990
045-07	6/12/2007	SW	23	23S	24E	101 CLAWSON STREET		MAIN REPAIR	X											GS	2	1962
046-07	6/12/2007	SE	23	23S	24E	206 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
047-07	6/20/2007	SE	23	23S	24E	210 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
048-07	7/2/2007	SW	23	23S	24E	312 EAST VISTA		MAIN REPAIR	X											STEEL	6	1908
049-07	7/5/2007	SE	8	23S	24E	12 LEDGE AVENUE		MAIN REPAIR	X											GS	2	1939

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050-07	7/5/2007	NW	9	23S	24E	10 ZACATECAS CANYON		SERVICE REPLACEMENT			X	X				1	STEEL	3/4				
051-07	7/31/2007	NW	23	23S	24E	600 POWELL STREET		MAIN REPAIR	X											STEEL	6	1908
052-07	8/2/2007	SE	23	23S	24E	318 CLAWSON STREET		MAIN REPAIR	X											GS	8	1908
053-07	8/7/2007	SW	23	23S	24E	101 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
054-07	8/13/2007	SE	23	23S	24E	205 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
055-07	8/14/2007	NE	7	23S	24E	1000 COMPTON AVENUE		MAIN REPAIR	X											PVC	1	1980
056-07	8/15/2007	NE	15	23S	24E	420 N WINWOOD ROAD		MAIN REPAIR	X											PVC	1	1980
057-07	8/16/2007	NE	7	23S	24E	1000 COMPTON AVENUE		MAIN REPLACEMENT			X	X							241	PVC	1	1980
058-07	8/20/2007	SW	9	23S	24E	15 TEMBY AVENUE		MAIN REPAIR	X											GS	2	1962
059-07	8/21/2007	NE	32	23S	24E	10 OCOTILLO STREET		MAIN REPAIR	X											PVC	1	1980
060-07	8/28/2007	NE	5	24S	24E	2273 S BOWERS STREET		MAIN REPAIR	X											SW	4	1958
061-07	8/28/2007	NE	22	23S	24E	17 COCHISE ROW		MAIN REPAIR	X											CA	6	1957
062-07	9/4/2007	NE	32	23S	24E	10 OCOTILLO STREET		MAIN REPAIR	X											PVC	1	1980
063-07	9/6/2007	NE	8	23S	24E	507D BAILEY HILL		MAIN REPLACEMENT		X		X				1			21	STEEL	2	1908
064-07	9/7/2007	NW	8	23S	24E	42 SPRING CANYON #D		MAIN REPAIR	X											PVC	1	1980
065-07	9/7/2007	NW	9	23S	24E	141 OK STREET #A		MAIN REPAIR	X											STEEL	2	1941
066-07	9/13/2007	NE	32	23S	24E	10 OCOTILLO STREET		MAIN REPAIR	X											PVC	1	1980
067-07	9/16/2007	NE	32	23S	24E	10 OCOTILLO STREET		MAIN REPAIR	X											PVC	1	1980
068-07	9/24/2007	SW	9	23S	24E	11 OK STREET #B		SERVICE REPLACEMENT			X	X				1	STEEL	1/2				1969
069-07	9/26/2007	NW	8	23S	24E	42 SPRING CANYON #D		MAIN REPLACEMENT	X		16783								100	PVC	1	1980
070-07	9/27/2007	NW	29	23S	24E	1489 W FRANKLIN STREET		SERVICE REPAIR	X								PVC	1				1980
071-07	9/28/2007	NE	23	23S	24E	628 ARIZONA STREET		MAIN REPAIR	X											STEEL		1908
072-07	9/28/2007	SE	23	23S	24E	601 BRIGGS AVENUE		SERVICE REPLACEMENT	X			X				1	GS	3/4	20/1" CU	GS	3/4	1908
073-07	10/6/2007	SE	23	23S	24E	116 BLACK KNOB VIEW		MAIN REPAIR	X											STEEL	6	1908
074-07	10/18/2007	NW	29	23S	24E	1388 W FRANKLIN STREET		SERVICE REPAIR	X								PVC	1				1980
075-07	10/19/2007	SE	23	23S	24E	110 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
076-07	10/22/2007	SE	23	23S	24E	111 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
077-07	10/24/2007	SE	23	23S	24E	111 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
078-07	10/26/2007	SE	23	23S	24E	204 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
079-07	10/29/2007	SE	23	23S	24E	205 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
080-07	10/30/2007	SW	9	23S	24E	6 MAXFIELD AVENUE		MAIN REPAIR	X											GS	2	1942
081-07	10/31/2007	SE	23	23S	24E	117 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
082-07	11/3/2007	SE	23	23S	24E	122 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
083-07	11/6/2007	SW	9	23S	24E	24 TEMBY AVENUE		SERVICE REPAIR	X								CU	3/4				1980
084-07	11/23/2007	SE	15	23S	24E	22 1/2 OLD DOUGLAS ROAD		MAIN REPAIR	X											GS	1/2	1952
085-07	11/29/2007	SE	29	23S	24E	1173 W HIGHWAY 92		MAIN REPAIR	X											STEEL	6	1957
086-07	12/2/2007	NW	22	23S	24E	W ASPEN STREET		MAIN REPAIR	X											STEEL	6	1959
087-07	12/7/2007	NW	9	23S	24E	150 BREWERY AVENUE		MAIN REPAIR	X											GS	2	1921
088-07	12/12/2007	SE	23	23S	24E	214 CLAWSON STREET		MAIN REPAIR	X											GS	8	1908
089-07	12/12/2007	SW	9	23S	24E	6 TEMBY AVENUE		MAIN REPAIR	X											GS	2	1962
090-07	12/14/2007	SW	9	23S	24E	44 HOWELL AVENUE		MAIN REPAIR	X											STEEL	4	1930
091-07	12/15/2007	SE	23	23S	24E	511 CAMPBELL STREET		MAIN REPAIR	X											CI	6	1908

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092-07	12/20/2007	SE	15	23S	24E	16 ERIE STREET		MAIN REPAIR	X											STEEL	6	1935
093-07	12/26/2007	NE	32	23S	24E	10 OCOTILLO STREET		MAIN REPAIR	X											PVC	1	1980
094-07	12/28/2007	SE	15	23S	24E	202 PARK AVENUE		MAIN REPAIR	X											GS	4	1922
001-08	1/4/2008	SE	15	23S	24E	204 PARK AVENUE		MAIN REPLACEMENT			X	X							12	STEEL	2	1922
002-08	1/10/2008	SW	9	23S	24E	232 BREWERY AVENUE		SERVICE REPLACEMENT			X	X				1	STEEL	1/2				1912
003-08	1/14/2008	SW	9	23S	24E	46 HOWELL AVENUE		SERVICE REPLACEMENT			X	X				1	STEEL	3/4				1930
004-08	1/21/2008	SW	9	23S	24E	18 MAXFIELD AVENUE		SERVICE REPLACEMENT			X	X				3	STEEL	3/4				1942
005-08	1/22/2008	NE	23	23S	24E	632 ARIZONA STREET		MAIN REPAIR	X											STEEL	8	1908
006-08	1/29/2008	SE	8	23S	24E	410C MASON HILL STREET		SERVICE REPAIR	X								GS	3/4				1908
007-08	2/11/2008	SW	9	23S	24E	201 OK STREET #A		SERVICE REPLACEMENT			X	X				1	STEEL	1/2				1956
008-08	2/14/2008	SW	9	23S	24E	11 OK STREET #B		MAIN REPLACEMENT			X	X							30	PVC	1	1973
009-08	2/27/2008	SW	23	23S	24E	307 W VISTA		MAIN REPAIR	X											STEEL	6	1908
010-08	3/4/2008	NW	23	23S	24E	301 COLE AVENUE		SERVICE REPLACEMENT	X							1	CU	1				
011-08	3/10/2008	NW	8	23S	24E	818 MAIN STREET		MAIN REPLACEMENT	X										8	GS	2	1921
012-08	3/23/2008	SE	15	23S	24E	21 ERIE STREET		MAIN REPAIR	X											STEEL	6	1935
013-08	3/28/2008	NW	23	23S	24E	317 PITTSBURGH AVENUE		MAIN REPAIR	X								PVC	3/4				1980
014-08	4/1/2008	NE	16	23S	24E	HIGHWAY 80 @ MILE POST #342		MAIN REPLACEMENT	X		19198	X								STEEL	6	1955
015-08	4/2/2008	NE	16	23S	24E	305 W HIGHWAY 80		MAIN REPAIR	X											STEEL	6	1985
016-08	4/8/2008	SW	9	23S	24E	51 OK STREET #C		MAIN REPAIR	X										1	PVC	3/4	1980
017-08	4/9/2008	NE	23	23S	24E	628 ARIZONA STREET		MAIN REPAIR	X											STEEL	8	1908
018-08	4/22/2008	SW	29	23S	24E	1288 W HIGHWAY 92		MAIN REPAIR	X											STEEL	6	1957
019-08	4/23/2008	SE	23	23S	24E	116 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
020-08	4/30/2008	SW	9	23S	24E	473 N DART ROAD		MAIN REPAIR	X											STEEL	6	1908
021-08	4/30/2008	SE	8	23S	24E	302 OHARA AVENUE		MAIN REPAIR	X											STEEL	6	1956
022-08	5/5/2008	SE	23	23S	24E	413 CAMPBELL STREET		SERVICE REPAIR	X								PVC	3/4				1980
023-08	5/7/2008	SE	8	23S	24E	QUARRY CANYON & OHARA AVENUE		MAIN REPAIR	X											STEEL	6	1941
024-08	5/7/2008	SE	8	23S	24E	QUARRY CANYON & OHARA AVENUE		MAIN REPAIR	X											STEEL	6	1956
025-08	5/7/2008	SE	8	23S	24E	QUARRY CANYON & OHARA AVENUE		MAIN REPAIR	X											STEEL	6	1956
026-08	5/9/2008	SE	15	23S	24E	920 AMERICAN AVENUE		SERVICE REPLACEMENT			X	X				1	STEEL	3/4				1920
027-08	5/14/2008	NE	15	23S	24E	400 N WINWOOD ROAD		MAIN REPAIR	X											PVC	1	1980
028-08	5/19/2008	NE	5	24S	24E	2195 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
029-08	5/20/2008	NE	22	23S	24E	#11 BISBEE ROAD		MAIN REPAIR	X											STEEL	2	1917
030-08	5/28/2008	SW	9	23S	24E	473 N DART ROAD		MAIN REPAIR	X											STEEL	6	1908
031-08	5/28/2008	NE	22	23S	24E	#322 PIRRUNG AVENUE		MAIN REPLACEMENT			22654	X							60	STEEL	2	1917
032-08	5/29/2008	SE	15	23S	24E	202 PARK AVENUE		MAIN REPLACEMENT			X	X							16	STEEL	2	1922
033-08	6/2/2008	NE	22	23S	24E	#71 PITTSBURGH AVENUE		MAIN REPAIR	X											STEEL	2	1917
034-08	6/5/2008	NE	22	23S	24E	#322 PIRRUNG AVENUE		MAIN REPLACEMENT			22654	X							2	STEEL	2	1917
035-08	6/5/2008	NE	22	23S	24E	#322 PIRRUNG AVENUE		MAIN REPLACEMENT			22654	X							2	STEEL	2	1917
036-08	6/6/2008	NE	22	23S	24E	#11 BISBEE ROAD		MAIN REPAIR	X											GS	2	1917
037-08	6/17/2008	SW	9	23S	24E	112 WALSH AVENUE #B		MAIN REPLACEMENT			X	X							70	PVC	1	1980
038-08	6/18/2008	NW	23	23S	24E	602 HOVLAND STREET		MAIN REPAIR	X											STEEL	1 1/4	1908
039-08	6/19/2008	NE	22	23S	24E	#11 BISBEE ROAD		MAIN REPLACEMENT				X							40	GS	2	1917

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
040-08	6/23/2008	NE	32	23S	24E	11 OCOTILLO STREET		MAIN REPAIR	X											PVC	1	1980
041-08	6/24/2008	SE	23	23S	24E	209 BLACK KNOB VIEW		MAIN REPAIR	X											STEEL	6	1908
042-08	7/9/2008	NE	8	23S	24E	17 LAUNDRY HILL #G		MAIN REPAIR	X											GS	1 1/2	1908
043-08	7/15/2008	SE	23	23S	24E	409 SHATTUCK STREET		MAIN REPAIR	X											STEEL	6	1908
044-08	7/28/2008	NE	32	23S	24E	11 OCOTILLO STREET		MAIN REPAIR	X											PVC	1	1980
045-08	7/31/2008	SE	8	23S	24E	511 BROPHY AVENUE		SERVICE REPAIR	X								STEEL	1/2				1912
046-08	8/1/2008	SE	23	23S	24E	404 SHATTUCK STREET		MAIN REPAIR	X											STEEL	6	1908
047-08	8/5/2008	SE	8	23S	24E	5 LEDGE AVENUE		MAIN REPAIR	X											GS	2	1932
048-08	8/6/2008	NE	32	23S	24E	10 OCOTILLO STREET		MAIN REPAIR	X											PVC	1	1980
049-08	8/25/2008	SE	29	23S	24E	306 COCHISE LANE		MAIN REPAIR	X											STEEL	4	1962
050-08	8/28/2008	SE	29	23S	24E	1236 W HIGHWAY 92		MAIN REPAIR	X											STEEL	6	1957
051-08	8/28/2008	SE	29	23S	24E	1173 W HIGHWAY 92		MAIN REPAIR	X											STEEL	6	1957
052-08	8/29/2008	SW	29	23S	24E	1173 W HIGHWAY 92		MAIN REPAIR	X											STEEL	6	1957
053-08	9/3/2008	SE	29	23S	24E	306 COCHISE LANE		MAIN REPAIR	X											STEEL	4	1962
054-08	9/8/2008	NE	23	23S	24E	632 ARIZONA STREET		MAIN REPAIR	X											STEEL	8	1908
055-08	9/15/2008	SE	23	23S	24E	609 TENER AVENUE		MAIN REPAIR	X											STEEL	8	1908
056-08	9/18/2008	SE	23	23S	24E	609 TENER AVENUE		MAIN REPAIR	X											STEEL	8	1908
057-08	9/19/2008	NE	32	23S	24E	10 OCOTILLO STREET		MAIN REPAIR	X											PVC	1	1980
058-08	9/22/2008	NE	32	23S	24E	10 OCOTILLO STREET		MAIN REPAIR	X											PVC	1	1980
059-08	9/22/2008	SE	23	23S	24E	609 TENER AVENUE		MAIN REPAIR	X											STEEL	8	1908
060-08	9/24/2008	SW	9	23S	24E	1 MAIN STREET		MAIN REPAIR	X											STEEL	6	1950
061-08	9/26/2008	SW	9	23S	24E	39 HOWELL AVENUE		MAIN REPAIR	X											STEEL	4	1930
062-08	9/26/2008	SW	9	23S	24E	43 OK STREET #C		MAIN REPAIR	X											PVC	1	1980
063-08	9/29/2008	NE	7	23S	24E	1000 COMPTON AVENUE		MAIN REPAIR	X											PVC	1	1980
064-08	9/30/2008	SE	22	23S	24E	505 30TH TERRACE		MAIN REPAIR	X											STEEL	6	1963
065-08	10/2/2008	SE	29	23S	24E	125 SAN JOSE DRIVE		SERVICE REPLACEMENT	X								STEEL	3/4				1954
066-08	10/3/2008	SE	23	23S	24E	713 COLE AVENUE		MAIN REPAIR	X											STEEL	8	1908
067-08	10/6/2008	NE	32	23S	24E	10 OCOTILLO STREET		MAIN REPAIR	X											PVC	1	1980
068-08	10/8/2008	NE	5	24S	24E	2215 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
069-08	10/17/2008	NE	32	23S	24E	10 OCOTILLO STREET		MAIN REPAIR	X											PVC	1	1980
070-08	10/27/2008	NE	32	23S	24E	7 LA CHOLLA ROAD		SERVICE REPAIR	X								PVC	1				1980
071-08	10/29/2008	SE	23	23S	24E	409 SHATTUCK STREET		MAIN REPAIR	X											STEEL	6	1908
072-08	10/29/2008	SE	14	23S	24E	HIGHWAY 80 WEST OF WARREN CUT OFF		SERVICE REPAIR	X											CU	2	2006
073-08	11/3/2008	SW	23	23S	24E	301 MILL ROAD		SERVICE REPLACEMENT	X							1	STEEL	3/4				1908
074-08	11/3/2008	SW	23	23S	24E	301 MILL ROAD		SERVICE REPLACEMENT			22671	X				1		3/4				1908
075-08	11/5/2008	SW	9	23S	24E	44 HOWELL AVENUE		MAIN REPAIR	X											STEEL	4	1930
076-08	11/7/2008	SE	14	23S	24E	HIGHWAY 80 WEST OF WARREN CUT OFF		SERVICE REPAIR	X											CU	2	2006
077-08	11/13/2008	SW	23	23S	24E	501 DOUGLAS STREET		SERVICE REPLACEMENT				X				1	CU	3/4				
078-08	11/17/2008	SE	23	23S	24E	20 MOHAVE TRAIL		MAIN REPAIR	X											STEEL	6	1908
079-08	11/17/2008	SE	23	23S	24E	16 MOHAVE TRAIL		MAIN REPAIR												STEEL	6	1908
080-08	11/21/2008	SE	23	23S	24E	609 TENER AVENUE		MAIN REPAIR	X											STEEL	8	1908
081-08	11/22/2008	SE	15	23S	24E	24 OLD DOUGLAS ROAD		MAIN REPAIR	X											GS	1/2	1935

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082-08	11/24/2008	NW	22	22S	24E	4 LOWELL AVENUE		MAIN REPAIR	X											STEEL	6	1949
083-08	11/24/2008	SE	8	23S	24E	6 LEDGE AVENUE		MAIN REPAIR	X											GS	2	1932
084-08	12/2/2008	NW	23	23S	24E	79 + 81 COCHISE ROW		SERVICE REPLACEMENT				X				2	GS	3/4				
085-08	12/2/2008	NW	23	23S	24E	79 + 81 COCHISE ROW		SERVICE REPLACEMENT				X				1	GS	3/4				
086-08	12/3/2008	SE	14	23S	24E	HIGHWAY 80 WEST OF WARREN CUT OFF		SERVICE REPAIR	X											CU	2	2006
087-08	12/8/2008	NW	9	23S	24E	150 BREWERY GULCH		MAIN REPAIR	X											STEEL	2	1921
088-08	12/11/2008	NE	15	23S	24E	420 N WINWOOD ROAD		MAIN REPAIR	X											PVC	1	1980
089-08	12/11/2008	SW	9	23S	24E	13 MAXFIELD AVENUE		MAIN REPAIR	X											GS	2	1942
090-08	12/12/2008	SE	23	23S	24E	305 BLACK KNOB VIEW		MAIN REPAIR	X											STEEL	6	1908
091-08	12/12/2008	SE	14	23S	24E	HIGHWAY 80 WEST OF WARREN CUT OFF		SERVICE REPAIR	X											CU	2	2006
092-08	12/15/2008	SE	15	23S	24E	11 OLD DOUGLAS ROAD		SERVICE REPAIR	X								GS	3/4				1935
093-08	12/16/2008	SE	8	23S	24E	410D MASON HILL STREET		SERVICE REPLACEMENT	X			X				1 DBL	GS	3/4				1908
094-08	12/17/2008	SE	15	23S	24E	11 OLD DOUGLAS ROAD		SERVICE REPLACEMENT				X				1	GS	3/4				
095-08	12/19/2008	NE	15	23S	24E	HIGHWAY 80 WEST OF LOWELL PLAZA		MAIN REPAIR	X											STEEL	2	1975
096-08	12/22/2008	NE	15	23S	24E	HIGHWAY 80 WEST OF LOWELL PLAZA		MAIN REPAIR	X											STEEL	2	1975
097-08	12/23/2008	NE	32	23S	24E	10 OCOTILLO STREET		MAIN REPAIR	X											PVC	1	1980
098-08	12/28/2008	NE	32	23S	24E	508 ALEGRE PLACE		MAIN REPAIR	X										1	CA	4	1959
099-08	12/30/2008	SE	29	23S	24E	306 COCHISE LANE		MAIN REPAIR	X											STEEL	4	1962
001-09	1/2/2009	SE	23	23S	24E	309 SHATTUCK STREET		SERVICE REPAIR									PVC	3/4				1980
002-09	1/2/2009	SE	23	23S	24E	312 SHATTUCK STREET		SERVICE REPLACEMENT				X				1	GS	1/2				
003-09	1/2/2009	NW	8	23S	24E	713 WARREN STREET		SERVICE REPLACEMENT			X	X				1	STEEL	3/4				
004-09	1/7/2009	NE	5	24S	24E	2261 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
005-09	1/7/2009	NE	8	23S	24E	501B BAILEY HILL		SERVICE REPLACEMENT		X		X					STEEL	1	4	STEEL	1	1908
006-09	1/9/2009	SE	29	23S	24E	1173 W HIGHWAY 92		MAIN REPAIR	X											STEEL	6	1957
007-09	1/9/2009	SE	8	23S	24E	180 QUALITY HILL #A		MAIN REPAIR	X											GS	1	1939
008-09	1/12/2009	NE	15	23S	24E	420 N WINWOOD ROAD		MAIN REPAIR	X											CU	3/4	1994
009-09	1/12/2009	SE	8	23S	24E	98 QUALITY HILL #A		MAIN REPAIR	X											GS	1	1958
010-09	1/14/2009	NW	9	23S	24E	132 OPERA DRIVE #D		SERVICE REPAIR	X								STEEL	3/4				1921
011-09	1/14/2009	SW	9	23S	24E	37 TEMBY AVENUE #D		MAIN REPLACEMENT	X										6	GS	2	1921
012-09	1/15/2009	SW	22	23S	24E	300 TERAN STREET		MAIN REPAIR	X											STEEL	2	1936
013-09	1/19/2009	SW	22	23S	24E	300 TERAN STREET		MAIN REPAIR	X											STEEL	2	1936
014-09	1/19/2009	SE	23	23S	24E	704 CONGDON AVENUE		MAIN REPAIR	X											STEEL	8	1908
015-09	1/19/2009	NW	8	23S	24E	732-F GENTRY AVENUE		MAIN REPAIR	X											GS	2	1921
016-09	1/20/2009	SE	14	23S	24E	M STREET		SERVICE REPAIR	X								STEEL	3/4				1952
017-09	1/23/2009	SE	29	23S	24E	1173 W HIGHWAY 92		MAIN REPAIR	X											STEEL	6	1957
018-09	1/27/2009	SE	29	23S	24E	1236 W HIGHWAY 92		MAIN REPAIR	X											STEEL	6	1957
019-09	2/4/2009	NW	23	23S	24E	927 AMERICAN AVENUE		SERVICE REPLACEMENT			X	X				1	STEEL	3/4				1917
020-09	2/4/2009	NW	23	23S	24E	922 AMERICAN AVENUE		MAIN REPLACEMENT			X	X							1	STEEL	1 1/2	1920
021-09	2/9/2009	NE	28	23S	24E	NORTH OF TOUREVILLE POUND IN WASH		MAIN REPAIR	X											PVC	1	1980
022-09	2/17/2009	NE	5	24S	24E	2254 S BARNETT ROAD		SERVICE REPAIR	X								PVC	1				1980
023-09	2/17/2009	SE	29	23S	24E	103 COCONINO DRIVE		MAIN REPAIR	X											STEEL	4	1957
024-09	2/18/2009	SE	8	23S	24E	98 QUALITY HILL #A		MAIN REPAIR	X											GS	1	1958

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025-09	2/18/2009	SE	8	23S	24E	98 QUALITY HILL #A		MAIN REPLACEMENT	X			X							65	GS		1958
026-09	2/18/2009	SE	8	23S	24E	98 QUALITY HILL #A		SERVICE REPLACEMENT	X			X				2	STEEL	3/4				1958
027-09	2/19/2009	SE	23	23S	24E	112 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
028-09	2/19/2009	SE	23	23S	24E	112 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
029-09	2/27/2009	NE	5	24S	24E	2175 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
030-09	2/27/2009	SE	8	23S	24E	409 ROBERTS AVENUE		SERVICE REPLACEMENT				X				1	GS	3/4				1941
031-09	3/3/2009	NE	23	23S	24E	615 COLE AVENUE		SERVICE REPAIR	X								PVC	3/4				1980
032-09	3/4/2009	NE	28	23S	24E	1014 TOUREVILLE ROAD		MAIN REPAIR	X											STEEL	2	1968
033-09	3/5/2009	NE	22	23S	24E	21 COCHISE ROW		MAIN REPAIR	X											CA	6	1957
034-09	3/6/2009	SE	14	23S	24E	HIGHWAY 80 WEST OF WARREN CUT OFF		SERVICE REPAIR	X											CU	2	2006
035-09	3/9/2009	NE	28	23S	24E	WEST SIDE TOUREVILLE POUND		MAIN REPAIR	X											STEEL	2	1968
036-09	3/11/2009	NE	22	23S	24E	19 + 21 COCHISE ROW		SERVICE REPLACEMENT				X				2	GS	3/4				
037-09	3/11/2009	NE	22	23S	24E	19 + 21 COCHISE ROW		SERVICE REPLACEMENT				X				1	GS	3/4				
038-09	3/12/2009	SE	23	23S	24E	608 CAMPBELL STREET		SERVICE REPLACEMENT				X				1	GS	3/4				1908
039-09	3/16/2009	SE	23	23S	24E	112 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
040-09	3/16/2009	SE	23	23S	24E	112 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
041-09	3/17/2009	SW	23	23S	24E	108 ARIZONA STREET		SERVICE REPLACEMENT	X							1	STEEL	3/4				1908
042-09	3/20/2009	NE	22	23S	24E	22 MASON ADDITION STREET		SERVICE REPAIR	X											STEEL	3/4	1974
043-09	3/23/2009	NE	22	23S	24E	94 BISBEE ROAD		MAIN REPAIR	X											GS	2	
044-09	3/24/2009	NW	23	23S	24E	601 POWELL STREET		MAIN REPAIR	X											STEEL	6	1908
045-09	3/25/2009	NW	9	23S	24E	217 OK STREET		MAIN REPAIR	X											STEEL	2 1/2	1941
046-09	3/26/2009	NW	8	23S	24E	813 MAIN STREET		MAIN REPAIR	X											GS	2	1921
047-09	3/31/2009	SE	29	23S	24E	55 W HIGHWAY 92		MAIN REPAIR	X											STEEL	6	1954
048-09	4/1/2009	SW	22	23S	24E	305 TERAN STREET		MAIN REPAIR	X											STEEL	2	1936
049-09	4/1/2009	SE	14	23S	24E	HIGHWAY 80 WEST OF WARREN CUT OFF		SERVICE REPAIR	X											CU	2	2006
050-09	4/2/2009	NW	22	23S	24E	208 AZURITE AVENUE		SERVICE REPAIR	X								STEEL	3/4				1952
051-09	4/2/2009	SW	23	23S	24E	200 MILL ROAD		MAIN REPAIR	X								STEEL	3/4				1908
052-09	4/2/2009	SE	8	23S	24E	437 ROBERTS AVENUE		SERVICE REPLACEMENT				X				1	GS	1/2				1941
053-09	4/3/2009	SW	29	23S	24E	1288 W HIGHWAY 92		MAIN REPAIR	X											STEEL	4	1961
054-09	4/7/2009	SW	29	23S	24E	1288 W HIGHWAY 92		MAIN REPAIR	X											STEEL	4	1951
055-09	4/9/2009	NE	23	23S	24E	615 COLE AVENUE		MAIN REPLACEMENT				X				1	CU	1				1980
056-09	4/10/2009	NE	22	23S	24E	40 DALLAS STREET		MAIN REPAIR	X											STEEL	6	1956
057-09	4/16/2009	NE	21	23S	24E	W ASPEN STREET HILL		MAIN REPAIR	X											STEEL	6	1969
058-09	4/16/2009	SE	29	23S	24E	101 NAVAJO DRIVE		MAIN REPAIR	X											STEEL	6	1957
059-09	4/17/2009	SE	8	23S	24E	180 QUALITY HILL #A		SERVICE REPLACEMENT			X	X				1	STEEL	3/4				1947
060-09	4/17/2009	SE	8	23S	24E	180 QUALITY HILL #A		MAIN REPLACEMENT			X	X							141	STEEL	1	1947
061-09	4/17/2009	SE	8	23S	24E	112 MAIN STREET		SERVICE REPLACEMENT			X	X				1	STEEL	3/4				
062-09	4/22/2009	SW	14	23S	24E	101 C STREET		MAIN REPAIR	X											STEEL	6	1952
063-09	4/22/2009	SE	23	23S	24E	202 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
064-09	4/23/2009	NW	22	23S	24E	201 BORNITE AVENUE		MAIN REPAIR			N/A	X							2	STEEL	2	1952
065-09	4/23/2009	NW	22	23S	24E	205 BORNITE AVENUE & 208 AZURITE AVENUE		MAIN REPAIR			22693	X					STEEL	1		STEEL	2	1952
066-09	4/23/2009	SE	23	23S	24E	202 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
067-09	5/4/2009	SE	23	23S	24E	116 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
068-09	5/4/2009	SE	23	23S	24E	116 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
069-09	5/7/2009	NE	32	23S	24E	123 LA CHOLLA ROAD		MAIN REPAIR	X											STEEL	1 1/2	1925
070-09	5/7/2009	NE	15	23S	24E	400 N WINWOOD ROAD		MAIN REPAIR	X											PVC	1	1980
071-09	5/11/2009	SE	23	23S	24E	409 SHATTUCK STREET		MAIN REPAIR	X											STEEL	6	1908
072-09	5/11/2009	SW	9	23S	24E	44 HOWELL AVENUE		MAIN REPAIR	X											STEEL	4	1930
073-09	5/12/2009	NW	9	23S	24E	223 YOUNGBLOOD HILL #C		MAIN REPAIR	X											STEEL	2	1941
074-09	5/13/2009	NW	8	23S	24E	120 STAR AVENUE		MAIN REPAIR	X											STEEL	1	1918
075-09	5/18/2009	NW	9	23S	24E	218 OK STREET #A		MAIN REPAIR	X											GS	2	1921
076-09	5/19/2009	SE	8	23S	24E	420 MAIN STREET		MAIN REPAIR	X											PVC	1	1975
077-09	5/22/2009	SE	23	23S	24E	201 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
078-09	5/22/2009	SE	23	23S	24E	201 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
079-09	5/26/2009	SE	23	23S	24E	201 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
080-09	5/26/2009	SE	23	23S	24E	201 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
081-09	5/27/2009	NW	8	23S	24E	944 SIMMS ROAD		MAIN REPAIR	X										GS	3		1942
082-09	5/28/2009	NE	5	24S	24E	2254 S BARNETT ROAD		SERVICE REPAIR	X								PVC	1				1980
083-09	5/30/2009	NE	5	24S	24E	2240 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
084-09	5/30/2009	SW	23	23S	24E	1 BLACK KNOB VIEW		MAIN REPLACEMENT	X										35	GS	2	1908
085-09	5/30/2009	NE	23	23S	24E	405 COLE AVENUE		SERVICE REPLACEMENT				X				1	CU	1				
086-09	5/30/2009	NE	23	23S	24E	608 POWELL STREET		SERVICE REPLACEMENT				X				1	CU	1				1960
087-09	6/1/2009	SW	23	23S	24E	302 EAST VISTA		MAIN REPAIR	X											STEEL	6	1908
088-09	6/1/2009	SE	23	23S	24E	305 BLACK KNOB VIEW		MAIN REPAIR	X											STEEL	6	1908
089-09	6/1/2009	SW	23	23S	24E	302 E VISTA		MAIN REPAIR	X											STEEL	6	1908
090-09	6/3/2009	NE	5	24S	24E	2215 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
091-09	6/3/2009	NE	7	23S	24E	946 SIMMS ROAD		MAIN REPAIR	X										GS	3		1942
092-09	6/4/2009	SW	9	23S	24E	35 HOWELL AVENUE		MAIN REPAIR	X											STEEL	4	1967
093-09	6/10/2009	SE	8	23S	24E	136B & 134C QUALITY HILL		SERVICE REPLACEMENT			X	X				2	STEEL	1/2				1947
094-09	6/11/2009	NE	5	24S	24E	2195 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
095-09	6/13/2009	NW	9	23S	24E	250 BREWERY AVENUE		MAIN REPAIR	X											STEEL	2	1912
096-09	6/15/2009	SE	8	23S	24E	QUALITY HILL		MAIN REPAIR	X											GS	2	1947
097-09	6/17/2009	SE	15	23S	24E	11 OLD DOUGLAS ROAD		MAIN REPAIR	X											GS	2	1952
098-09	6/18/2009	NE	32	23S	24E	10 OCOTILLO STREET		MAIN REPAIR	X											PVC	1	1980
099-09	6/24/2009	NE	5	24S	24E	2240 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
100-09	6/25/2009	NE	21	23S	24E	430 S BUFFALO AVENUE		MAIN REPAIR	X											STEEL	3	1957
101-09	6/30/2009	SE	23	23S	24E	303 CAMPBELL STREET		MAIN REPAIR	X											CI	6	1908
102-09	6/30/2009	SW	9	23S	24E	473 N DART ROAD		MAIN REPAIR	X											STEEL	6	1908
103-09	6/30/2009	SW	9	23S	24E	18 TEMBY AVENUE		SERVICE REPAIR	X								CU	3/4				1982
104-09	7/3/2009	NE	22	23S	24E	29 MASON ADDITION STREET		MAIN REPAIR	X											STEEL	1 1/2	1956
105-09	7/5/2009	SE	32	23S	24E	108 MOUNTAIN VIEW AVENUE		MAIN REPAIR	X											STEEL	2	1958
106-09	7/6/2009	SW	29	23S	24E	102 GREENLEE DRIVE		MAIN REPAIR	X											STEEL	4	1961
107-09	7/9/2009	SE	29	23S	24E	506 CRESTVIEW DRIVE		MAIN REPAIR	X											STEEL	6	1955
108-09	7/13/2009	NE	32	23S	24E	10 OCOTILLO STREET		MAIN REPAIR	X											PVC	1	1980

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109-09	7/14/2009	NE	32	23S	24E	10 OCOTILLO STREET		MAIN REPAIR	X											PVC	1	1980
110-09	7/14/2009	NE	22	23S	24E	29 COCHISE ROW		MAIN REPAIR	X											CA	6	1957
111-09	7/20/2009	NE	5	24S	24E	2215 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
112-09	7/22/2009	NW	29	23S	24E	1 S COY STREET		MAIN REPAIR	X											STEEL SWC	6	1964
113-09	7/22/2009	SE	15	23S	24E	201 PARK AVENUE		MAIN REPAIR	X											STEEL	6	1922
114-09	7/22/2009	SE	8	23S	24E	9 LEDGE AVENUE		MAIN REPAIR	X											GS	2	1932
115-09	7/23/2009	NE	22	23S	24E	21 COCHISE ROW		MAIN REPAIR	X											CA	6	1957
116-09	7/24/2009	SE	15	23S	24E	23 OLD DOUGLAS ROAD		SERVICE REPAIR	X								GS	1/2				1935
117-09	7/31/2009	NE	22	23S	24E	21 COCHISE ROW		MAIN REPAIR	X											CA	6	
118-09	7/31/2009	NW	8	23S	24E	15 SPRING CANYON		MAIN REPAIR	X											STEEL	1	1912
119-09	7/31/2009	NW	8	23S	24E	47 SPRING CANYON		MAIN REPAIR	X											PVC	1	1980
120-09	8/2/2009	SE	8	23S	24E	8 LEDGE AVENUE		MAIN REPAIR	X											GS	2	1932
121-09	8/3/2009	SW	23	23S	24E	101 CLAWSON STREET		MAIN REPAIR	X											GS	2	1962
122-09	8/4/2009	SE	15	23S	24E	14 OLD DOUGLAS ROAD		SERVICE REPAIR	X								GS	3/4				
123-09	8/7/2009	NE	5	24S	24E	2185 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
124-09	8/7/2009	NE	32	23S	24E	10 OCOTILLO STREET		MAIN REPAIR	X											PVC	1	1980
125-09	8/16/2009	NE	5	24S	24E	2226 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
126-09	8/27/2009	NE	5	24S	24E	2066 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
127-09	8/31/2009	SE	15	23S	24E	11 OLD DOUGLAS ROAD		MAIN REPAIR	X											STEEL	6	1952
128-09	9/1/2009	SE	15	23S	24E	22 1/2 OLD DOUGLAS ROAD		MAIN REPAIR	X											GS	1/2	1952
129-09	9/3/2009	NE	32	23S	24E	10 OCOTILLO STREET		SERVICE REPLACEMENT			22804	X				2	PVC	1	115	PVC	1	1980
130-09	9/5/2009	SE	8	23S	24E	407 ROBERTS AVENUE		MAIN REPAIR	X											GS	1 1/2	1941
131-09	9/7/2009	SE	23	23S	24E	304 HAZZARD STREET		MAIN REPAIR												STEEL	1 1/2	1908
132-09	9/7/2009	SE	23	23S	24E	304 HAZZARD STREET		MAIN REPAIR				X								STEEL	1 1/2	1908
133-09	9/8/2009	NE	5	24S	24E	2195 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
134-09	9/8/2009	NE	15	23S	24E	400 N WINWOOD ROAD		MAIN REPAIR	X											PVC	1	1980
135-09	9/9/2009	SE	8	23S	24E	407 ROBERTS AVENUE		MAIN REPAIR	X											GS	1 1/2	1941
136-09	9/11/2009	NW	22	23S	24E	15 SACRAMENTO AVENUE		MAIN REPAIR	X											CA	10	1955
137-09	9/15/2009	NW	8	23S	24E	830 MAIN STREET		MAIN REPAIR	X											GS	2	1916
138-09	9/15/2009	NW	8	23S	24E	900 MAIN STREET		SERVICE REPAIR	X								CU	3/4				1985
139-09	9/15/2009	NW	8	23S	24E	830 MAIN STREET		MAIN REPAIR	X											GS	2	1916
140-09	9/16/2009	NE	5	24S	24E	2117 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
141-09	9/16/2009	NE	32	23S	24E	5-B MANZANITA STREET		MAIN REPAIR	X											PVC	1	1980
142-09	9/16/2009	SE	29	23S	24E	115 COCHISE DRIVE		SERVICE REPLACEMENT	X											CA	4	1953
143-09	9/17/2009	SE	8	23S	24E	7 LEDGE AVENUE		MAIN REPAIR	X											GS	2	1932
144-09	9/17/2009	SE	8	23S	24E	511 BROPHY AVENUE		SERVICE REPAIR	X								STEEL	1/2				1912
145-09	9/17/2009	SE	8	23S	24E	511 BROPHY AVENUE		SERVICE REPAIR	X								STEEL	1/2				1912
146-09	9/18/2009	SE	23	23S	24E	26 COCHISE TRAIL		MAIN REPAIR	X											CI	6	1908
147-09	9/21/2009	SW	29	23S	24E	108 GREENLEE DRIVE		MAIN REPLACEMENT	X											STEEL	4	1961
148-09	9/22/2009	SE	23	23S	24E	609 TENER AVENUE		MAIN REPAIR	X													
149-09	9/22/2009	SE	23	23S	24E	501 SHATTUCK STREET		SERVICE REPAIR	X								PVC	3/4				1980
150-09	9/24/2009	NW	8	23S	24E	826 MAIN STREET		MAIN REPLACEMENT			X	X							30	STEEL	2	1916

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151-09	9/25/2009	SW	9	23S	24E	86 MAIN STREET		SERVICE REPLACEMENT	X		22806					2	PVC	3/4				1980
152-09	10/1/2009	NW	29	23S	24E	1489 W FRANKLIN STREET		SERVICE REPAIR	X								PVC	1				1980
153-09	10/1/2009	NW	8	23S	24E	621 MAIN STREET #F		SERVICE REPLACEMENT			X	X				1	GS					1921
154-09	10/2/2009	NE	5	24S	24E	2127 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
155-09	10/5/2009	NE	5	24S	24E	937 W MARIE STREET		MAIN REPAIR	X											GS	2	1958
156-09	10/8/2009	NE	5	24S	24E	937 W MARIE STREET		MAIN REPAIR	X											GS	2	1958
157-09	10/9/2009	SE	15	23S	24E	202 PARK AVENUE		MAIN REPAIR	X											GS	2	1920
158-09	10/9/2009	SW	23	23S	24E	101 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
159-09	10/9/2009	SE	23	23S	24E	101 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
160-09	10/9/2009	SE	15	23S	24E	202 PARK AVENUE		MAIN REPLACEMENT			X	X							138	STEEL	2	1920
161-09	10/14/2009	SE	15	23S	24E	202 PARK AVENUE		MAIN REPLACEMENT			X	X							108	STEEL	2	1922
162-09	10/15/2009	SW	23	23S	24E	208 EAST VISTA		MAIN REPAIR	X											STEEL	6	1908
163-09	10/23/2009	SW	29	23S	24E	108 GREENLEE DRIVE		MAIN REPAIR	X											STEEL	4	1961
164-09	10/23/2009	NE	5	24S	24E	2233 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
165-09	10/29/2009	SE	23	23S	24E	302 CAMPBELL STREET		MAIN REPAIR	X											CI	6	1908
166-09	10/31/2009	SE	23	23S	24E	318 NAVAJO DRIVE (TRAIL?)		MAIN REPAIR	X											STEEL	8	1908
167-09	11/3/2009	SW	9	23S	24E	77 OK STREET		MAIN REPAIR	X											STEEL	4	1956
168-09	11/8/2009	NE	32	23S	24E	1 MANZANITA STREET		MAIN REPAIR	X											STEEL	4	1960
169-09	11/16/2009	NE	22	23S	24E	#46 COCHISE ROW		MAIN REPAIR	X											CA	6	1957
170-09	11/17/2009	NE	5	24S	24E	2233 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
171-09	11/17/2009	NW	4	24S	24E	KATHERINE STREET		MAIN REPAIR	X											PVC	1	1980
172-09	11/17/2009	SE	29	23S	24E	104 NAVAJO DRIVE		MAIN REPAIR	X											STEEL	4	1957
173-09	11/17/2009	SW	9	23S	24E	19 CLAWSON AVENUE		SERVICE REPAIR	X								PVC	3/4				1980
174-09	11/20/2009	SE	23	23S	24E	112 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
175-09	11/23/2009	SW	9	23S	24E	29 OK STREET		MAIN REPAIR	X											STEEL	4	1956
176-09	11/23/2009	NE	22	23S	24E	#11 BISBEE ROAD		SERVICE REPLACEMENT				X				1	GS	1				1917
177-09	11/23/2009	NE	22	23S	24E	#11 BISBEE ROAD		MAIN REPLACEMENT			22812	X							210	STEEL	2	1917
178-09	12/1/2009	SW	5	23S	24E	107 LOCKLIN AVENUE		MAIN REPLACEMENT	X										18	STEEL	1	1956
179-09	12/4/2009	NW	28	23S	24E	101 S TAYLOR AVENUE		MAIN REPAIR	X											STEEL	2	1950
180-09	12/7/2009	NE	22	23S	24E	326 PARK AVENUE		SERVICE REPLACEMENT			X	X					CU	1				1922
181-09	12/10/2009	NW	15	23S	24E	HIGHWAY 80 @ MILE POST #342		MAIN REPLACEMENT	X		22814	X							8	STEEL	6	1953
182-09	12/14/2009	NE	23	23S	24E	501 ARIZONA STREET		MAIN REPAIR	X											STEEL	6	1908
183-09	12/15/2009	NW	8	23S	24E	822 PACE AVENUE		MAIN REPAIR	X											GS	2	1921
184-09	12/16/2009	NE	32	23S	24E	1556 NACO HIGHWAY		MAIN REPAIR	X											CA	6	1968
185-09	12/16/2009	NE	15	23S	24E	HIGHWAY 80 WEST OF LOWELL PLAZA		MAIN REPAIR	X											STEEL	2	1975
186-09	12/17/2009	NE	5	24S	24E	2233 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
187-09	12/22/2009	SW	9	23S	24E	102 OPERA DRIVE		SERVICE REPLACEMENT				X				2	GS	3/4				1921
188-09	12/23/2009	NE	5	24S	24E	2195 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
189-09	12/24/2009	SW	23	23S	24E	310 CENTER AVENUE		MAIN REPLACEMENT	X										12	GS	1 1/2	1908
190-09	12/29/2009	SW	22	23S	24E	31-B CARBAJAL STREET		MAIN REPAIR	X										2	GS	2	
001-10	1/2/2010	SW	22	23S	24E	305 TERAN STREET		MAIN REPAIR	X											STEEL	1 1/2	1936
002-10	1/5/2010	NW	15	23S	24E	72 ERIE STREET		MAIN REPAIR	X											GS	2	1964

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003-10	1/5/2010	SW	9	23S	24E	17 OK STREET #A		SERVICE REPLACEMENT	X							1	PVC	3/4				1980
004-10	1/5/2010	SW	9	23S	24E	17 OK STREET #A		SERVICE REPLACEMENT			X	X				1	STEEL	3/4				1945
005-10	1/6/2010	SE	29	23S	24E	1001 W HIGHWAY 92		MAIN REPAIR	X											STEEL	6	1957
006-10	1/6/2010	SW	9	23S	24E	51 OK STREET #C		MAIN REPAIR	X											PVC	1	1980
007-10	1/7/2010	SE	8	23S	24E	101 QUALITY HILL		MAIN REPAIR	X											GS	2	1947
008-10	1/13/2010	SW	23	23S	24E	302 MILL ROAD		SERVICE REPLACEMENT			22824	X				1		1				1908
009-10	1/14/2010	SW	9	23S	24E	18 TEMBY AVENUE #A		MAIN REPAIR	X											GS	2	1962
010-10	1/20/2010	SE	23	23S	24E	3 COCHISE TRAIL		MAIN REPAIR	X											CI	6	1908
011-10	1/24/2010	SW	23	23S	24E	100 DOUGLAS STREET		MAIN REPAIR	X											STEEL	4	1908
012-10	1/26/2010	NW	9	23S	24E	200 OK STREET		MAIN REPAIR	X											GS	2	1921
013-10	1/30/2010	SE	5	24S	24E	1215 W GEORGE STREET		SERVICE REPAIR	X								CU	1				1982
014-10	1/31/2010	NE	5	24S	24E	2233 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
015-10	2/1/2010	SE	8	23S	24E	186 QUALITY HILL #A		SERVICE REPLACEMENT			X	X				1	STEEL	3/4				1947
016-10	2/2/2010	SW	23	23S	24E	101 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
017-10	2/11/2010	SW	23	23S	24E	401 BISBEE ROAD		SERVICE REPLACEMENT				X				1	PVC	3/4				1980
018-10	2/12/2010	SE	23	23S	24E	311 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
019-10	2/13/2010	NE	23	23S	24E	609 OLIVER CIRCLE		MAIN REPAIR	X											GS	3/4	1908
020-10	2/19/2010	NE	5	24S	24E	2195 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
021-10	2/22/2010	SE	8	23S	24E	4 LEDGE AVENUE		MAIN REPLACEMENT			X	X							142	GS	2	1939
022-10	2/22/2010	SW	9	23S	24E	20 OK STREET		MAIN REPLACEMENT			X	X							40	PVC	1	1980
023-10	2/25/2010	SE	8	23S	24E	4 LEDGE AVENUE		MAIN REPLACEMENT			X	X							4	GS	2	1939
024-10	3/9/2010	SE	8	23S	24E	408 MASON HILL STREET #C		MAIN REPLACEMENT				X							57.5	GS	1 1/2	1908
025-10	3/11/2010	SE	29	23S	24E	1004 W HIGHWAY 92		MAIN REPAIR	X											STEEL	6	1957
026-10	3/11/2010	SW	9	23S	24E	93 TEMBY AVENUE		SERVICE REPAIR	X								GS	3/4				1921
027-10	3/16/2010	SE	8	23S	24E	QUALITY HILL		MAIN REPAIR	X											GS	2	1947
028-10	3/18/2010	SW	23	23S	24E	310 CENTER AVENUE		MAIN REPLACEMENT	X										4	GS	1 1/4	1908
029-10	3/19/2010	SW	23	23S	24E	310 CENTER AVENUE		MAIN REPLACEMENT	X		22833								60	GS	1 1/4	1908
030-10	3/19/2010	SE	8	23S	24E	411 ROBERTS AVENUE		SERVICE REPLACEMENT				X				1	GS	3/4				1941
031-10	3/24/2010	NE	23	23S	24E	510 COLE AVENUE		MAIN REPAIR	X											STEEL	8	1908
032-10	3/28/2010	NE	5	24S	24E	2215 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
033-10	3/28/2010	SE	23	23S	24E	120 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
034-10	4/2/2010	SW	9	23S	24E	47 OK STREET #D		MAIN REPAIR	X											PVC	1	1980
035-10	4/5/2010	SE	8	23S	24E	123 HIGGINS HILL		MAIN REPAIR	X										GS	1 1/2		1942
036-10	4/7/2010	NE	5	24S	24E	2215 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
037-10	4/7/2010	SW	9	23S	24E	46 HOWELL AVENUE		MAIN REPAIR	X											STEEL	4	1930
038-10	4/12/2010	SE	8	23S	24E	100 HIGGINS HILL		MAIN REPAIR	X										GS	2		1941
039-10	4/14/2010	NE	5	24S	24E	2255 S BOWERS STREET		MAIN REPAIR	X											SW	4	1958
040-10	4/20/2010	SW	23	23S	24E	413 W VISTA		MAIN REPAIR	X											STEEL	2	1908
041-10	4/20/2010	SE	15	23S	24E	2 OLD DOUGLAS ROAD		MAIN REPAIR	X											STEEL	6	1952
042-10	4/24/2010	SE	23	23S	24E	214 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
043-10	4/26/2010	SE	8	23S	24E	139 CLAWSON AVENUE		MAIN REPAIR	X											GS	1	1908
044-10	4/26/2010	SW	23	23S	24E	100 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
045-10	4/27/2010	SE	15	23S	24E	22 1/2 IONE STREET		MAIN REPAIR	X											GS	1/2	1952
046-10	5/1/2010	NE	22	23S	24E	#1-B COCHISE ROW		MAIN REPAIR	X											STEEL	6	1969
047-10	5/3/2010	SE	23	23S	24E	202 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
048-10	5/5/2010	NE	28	23S	24E	621 W HIGHWAY 92		SERVICE REPAIR	X								STEEL	3/4				1981
049-10	5/7/2010	SE	23	23S	24E	205 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
050-10	5/11/2010	SW	9	23S	24E	47 OK STREET #B		SERVICE REPLACEMENT			X	X				1	PVC	1				1980
051-10	5/12/2010	NW	9	23S	24E	218 OK STREET		MAIN REPAIR	X											STEEL	2	1941
052-10	5/13/2010	SE	8	23S	24E	139 CLAWSON AVENUE		MAIN REPAIR	X											GS	1	1908
053-10	5/18/2010	SW	29	23S	24E	105 COCONINO DRIVE		MAIN REPAIR	X											STEEL	4	1957
054-10	5/20/2010	NE	32	23S	24E	5 LA CHOLLA ROAD		MAIN REPAIR	X											STEEL	6	1925
055-10	5/21/2010	SW	29	23S	24E	51 PINAL DRIVE		MAIN REPAIR	X											STEEL	4	1962
056-10	5/25/2010	SE	23	23S	24E	305 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
057-10	5/27/2010	SW	29	23S	24E	111 COCONINO DRIVE		MAIN REPAIR	X											STEEL	4	1957
058-10	5/28/2010	NW	29	23S	24E	991 S COY STREET		MAIN REPAIR	X											STEEL SWC	6	1964
059-10	5/28/2010	NE	23	23S	24E	501 COLE AVENUE		SERVICE REPAIR	X								STEEL	3/4				1908
060-10	6/1/2010	SE	23	23S	24E	112 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
061-10	6/2/2010	NE	23	23S	24E	501 COLE AVENUE		MAIN REPAIR	X											STEEL	8	1908
062-10	6/2/2010	NE	23	23S	24E	608 POWELL STREET		SERVICE REPLACEMENT				X				1	CU	3/4				1960
063-10	6/4/2010	SE	14	23S	24E	HIGHWAY 80 WEST OF WARREN CUT OFF		SERVICE REPAIR	X											CU	2	2006
064-10	6/14/2010	NE	5	24S	24E	2273 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
065-10	6/23/2010	SE	32	23S	24E	106 MOUNTAIN VIEW AVENUE		MAIN REPAIR	X											STEEL	2	1958
066-10	6/23/2010	NW	9	23S	24E	218 YOUNGBLOOD HILL #A		MAIN REPLACEMENT			X	X							21	STEEL	2	1941
067-10	7/6/2010	SE	15	23S	24E	10 OLD DOUGLAS ROAD		MAIN REPAIR	X											GS	2	1952
068-10	7/6/2010	NW	9	23S	24E	221 BREWERY AVENUE		SERVICE REPAIR	X								PVC	1				1978
069-10	7/8/2010	NE	5	24S	24E	2195 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
070-10	7/8/2010	NE	5	24S	24E	MARIE STREET		MAIN REPAIR	X											STEEL	2	1956
071-10	7/8/2010	SW	23	23S	24E	405 CONGDON AVENUE		MAIN REPAIR	X											STEEL	6	1908
072-10	7/10/2010	SW	23	23S	24E	302 EAST VISTA		MAIN REPAIR	X											STEEL	6	1908
073-10	7/15/2010	SW	23	23S	24E	101 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
074-10	7/15/2010	SW	23	23S	24E	101 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
075-10	7/20/2010	NE	5	24S	24E			MAIN REPAIR	X											P	1	1980
076-10	7/21/2010	SW	29	23S	24E	101 GREENLEE DRIVE		MAIN REPAIR	X											STEEL	4	1961
077-10	7/27/2010	NE	5	24S	24E	2066 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1959
078-10	8/3/2010	NW	9	23S	24E	1 ZACATECAS CANYON		SERVICE REPLACEMENT			X	X				1	CU	3/4				
079-10	8/4/2010	SW	23	23S	24E	416 DOUGLAS STREET		MAIN REPAIR	X											GS	1	1976
080-10	8/6/2010	NE	5	24S	24E	2320 S BOWERS STREET		MAIN REPAIR	X											P	1	1980
081-10	8/8/2010	NE	8	23S	24E	513 BAILEY HILL #F		MAIN REPAIR	X											STEEL	1	1908
082-10	8/10/2010	SE	8	23S	24E	211 MAIN STREET		MAIN REPAIR	X											STEEL	4	1942
083-10	8/17/2010	NW	29	23S	24E	LOT 46 MOUNTAIN RANCH ESTATES		SERVICE REPAIR			22842	X				1	PVC	1				1980
084-10	8/20/2010	SE	15	23S	24E	55 W HIGHWAY 92		SERVICE REPAIR	X								STEEL	2				1974
085-10	8/20/2010	SE	23	23S	24E	309 SHATTUCK STREET		SERVICE REPLACEMENT	X			X				1	GS	1/2				1908
086-10	8/23/2010	SE	22	23S	24E	30TH TERRACE BEHIND HIGH SCHOOL		MAIN REPAIR	X											STEEL	6	1908

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
087-10	8/24/2010	NW	8	23S	24E	732 MAIN STREET		MAIN REPAIR	X											GS	1	1921
088-10	8/25/2010	NE	28	23S	24E	1014 TOUREVILLE ROAD		MAIN REPAIR	X											STEEL	2	1968
089-10	8/25/2010	SE	14	23S	24E	HIGHWAY 80 WEST OF WARREN CUT OFF		SERVICE REPAIR	X											CU	2	2006
090-10	8/26/2010	SW	23	23S	24E	42 BLACK KNOB VIEW		SERVICE REPAIR	X								GS	1				1908
091-10	8/30/2010	SW	23	23S	24E	202 MILL ROAD		MAIN REPAIR	X								STEEL	3/4				1908
092-10	8/30/2010	SE	8	23S	24E	4 LEDGE AVENUE		MAIN REPAIR	X											GS	2	1932
093-10	9/1/2010	SE	23	23S	24E	311 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
094-10	9/1/2010	SE	8	23S	24E	7 LEDGE AVENUE		SERVICE REPLACEMENT			X	X					STEEL	3/4				1939
095-10	9/2/2010	SE	29	23S	24E	204 SAN JOSE DRIVE		SERVICE REPLACEMENT	X								PVC	3/4				1960
096-10	9/3/2010	SE	23	23S	24E	311 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
097-10	9/9/2010	SW	23	23S	24E	208 EAST VISTA		MAIN REPAIR	X											STEEL	6	1908
098-10	9/15/2010	SW	9	23S	24E	59 ANGIOS AVENUE #C		MAIN REPAIR	X										12	GS	1	1950
099-10	9/16/2010	SE	23	23S	24E	300 BLACK KNOB VIEW		MAIN REPAIR	X											GS	1 1/2	1908
100-10	9/20/2010	SE	23	23S	24E	323 VAN DYKE STREET		MAIN REPAIR	X											STEEL	8	1908
101-10	9/23/2010	SE	23	23S	24E	300 BLACK KNOB VIEW		SERVICE REPAIR	X								CU	1/2				
102-10	9/24/2010	NE	23	23S	24E	300 COLE AVENUE		MAIN REPAIR	X											STEEL	8	1908
103-10	9/24/2010	SW	23	23S	24E	112 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
104-10	9/24/2010	SE	23	23S	24E	216 CLAWSON STREET		MAIN REPAIR	X											STEEL	8	1908
105-10	9/28/2010	SE	23	23S	24E	303 CAMPBELL STREET		SERVICE REPAIR	X								GS	3/4				1908
106-10	9/28/2010	SE	8	23S	24E	112 QUALITY HILL		MAIN REPAIR	X											GS	1	1939
107-10	10/2/2010	NW	28	23S	24E	401 N MCKINLEY AVENUE		SERVICE REPLACEMENT				X				1	PVC	1		CU		1980
108-10	10/4/2010	NW	28	23S	24E	411 N MCKINLEY AVENUE		SERVICE REPLACEMENT				X				1	PVC	1		CU		1980
109-10	10/4/2010	NW	28	23S	24E	400 N MCKINLEY AVENUE		SERVICE REPLACEMENT				X				1	PVC	1		CU		1980
110-10	10/4/2010	NW	28	23S	24E	413 N MCKINLEY AVENUE		SERVICE REPAIR				X				1	S	1		CU		1980
111-10	10/8/2010	NW	9	23S	24E	216 BREWERY AVENUE #C		MAIN REPAIR	X											STEEL	2	1912
112-10	10/8/2010	SE	23	23S	24E	301 + 303 CAMPBELL STREET		SERVICE REPLACEMENT				X				1	GS	3/4				1908
113-10	10/8/2010	SE	23	23S	24E	312 CAMPBELL STREET		SERVICE REPLACEMENT				X				1	GS	3/4				1908
114-10	10/18/2010	SW	23	23S	24E	23 HAZZARD STREET		SERVICE REPLACEMENT			22848	X				1	STEEL	3/4				
115-10	10/19/2010	SE	8	23S	24E	134 MAIN STREET		SERVICE REPLACEMENT			X	X				1	PVC	3/4				
116-10	10/21/2010	SE	23	23S	24E	501 CAMPBELL STREET		SERVICE REPAIR	X								GS/CU	3/4				1908
117-10	10/22/2010	SE	29	23S	24E	1350 NACO HIGHWAY		MAIN REPAIR	X											STEEL	2	1954
118-10	10/22/2010	SE	23	23S	24E	201 BLACK KNOB VIEW		SERVICE REPAIR	X								GS	3/4				
119-10	10/22/2010	SE	14	23S	24E	HIGHWAY 80 WEST OF WARREN CUT OFF		SERVICE REPAIR	X											CU	2	2006
120-10	11/4/2010	SE	15	23S	24E	7A OLD DOUGLAS ROAD		MAIN REPAIR	X											GS	2	1952
121-10	11/12/2010	SE	14	23S	24E	HIGHWAY 80 WEST OF WARREN CUT OFF	8	SERVICE REPAIR	X											CU	2	2006
122-10	11/17/2010	SE	29	23S	24E	103 COCONINO DRIVE	2	MAIN REPAIR	X											STEEL	4	1957
123-10	11/17/2010	NW	8	23S	24E	914 TPMBSTONE CANYON	8	MAIN REPAIR	X										18"	CU	2	
124-10	11/18/2010	NE	5	24S	24E	BOWERS STREET & MACDONALD STREET		MAIN REPAIR	X											PVC	1	1980
125-10	11/18/2010	SE	8	23S	24E	15 ART AVENUE		MAIN REPAIR	X											STEEL	1 1/2	1912
126-10	11/18/2010	SE	8	23S	24E	184 QUALITY HILL #A	1	MAIN REPAIR	X											GS	3/4	1939
127-10	11/19/2010	SE	14	23S	24E	HIGHWAY 80 WEST OF WARREN CUT OFF	4	SERVICE REPAIR	X											CU	2	2006
128-10	11/23/2010	NE	5	24S	24E	2233 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958

LEAK #	REPAIR/ REPLACE DATE	1/4	SECTION	TOWN SHIP	RANGE	ADDRESS	MAN HOURS	LEAK TYPE	LEAK REPORT	BLUE STAKE	PDR	ONION SKINS	SERVICE ORDER	AS 400	FIELD CHECK	# SERVICES REPLACED	SERVICE MATERIAL	SERVICE LINE SIZE (IN)	LF MAIN REPLACED	MAIN MATERIAL	MAIN SIZE (IN)	ORIGINAL INSTALL DATE
129-10	11/23/2010	NE	5	24S	24E	2233 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
130-10	11/24/2010	SE	15	23S	24E	7 DOUGLAS ROAD #4	4	MAIN REPAIR	X										24"	STEEL	2	
131-10	11/29/2010	SE	8	23S	24E	184 QUALITY HILL #A	1	MAIN REPAIR	X											GS	3/4	1939
132-10	11/29/2010	SE	8	23S	24E	184 QUALITY HILL #A	4	MAIN REPLACEMENT	X										2	GS	3/4	1939
133-10	11/29/2010	SE	23	23S	24E	301 HAZZARD	2	MAIN REPAIR	X										36	STEE	3/4	
134-10	12/1/2010	NE	32	23S	24E	517 SAN JOSE DRIVE		MAIN REPLACEMENT	X											CA	4	1962
135-10	12/2/2010	SE	23	23S	24E	201 CLAWSON STREET	4	MAIN REPAIR	X											STEEL	8	1908
136-10	12/7/2010	SE	14	23S	24E	HIGHWAY 80 WEST OF WARREN CUT OFF	1	SERVICE REPAIR	X											CU	2	2006
137-10	12/7/2010	SE	8	23S	24E	183 QUALITY HILL	3	MAIN REPAIR	X											GS	2	1932
138-10	12/7/2010	SE	8	23S	24E	186 QUALITY HILL	2	SERVICE REPLACEMENT	X								STEEL	2 1/2				1947
139-10	12/9/2010	NW	9	23S	24E	215 BREWERY AVENUE	5	MAIN REPAIR	X											STEEL	1	1978
140-10	12/13/2010	SW	23	23S	24E	310 CENTER AVENUE		MAIN REPLACEMENT	X										1.5	GS	1 1/4	1908
141-10	12/16/2010	SE	15	23S	24E	16 ERIE STREET	8	MAIN REPAIR	X											CU	6	1935
142-10	12/21/2010	SE	23	23S	24E	607 CAMPBELL STREET	6	MAIN REPAIR	X											CI	6	1908
143-10	12/22/2010	NE	5	24S	24E	2207 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958
144-10	12/22/2010	SE	23	23S	24E	214 CLAWSON STREET	4	MAIN REPAIR	X											STEEL	8	1908
145-10	12/27/2010	NW	23	23S	24E	301 COLE AVENUE		OTHER	X								STEEL/CU	3/4 & 1				
146-10	12/29/2010	NE	5	24S	24E	2195 S BOWERS STREET		MAIN REPAIR	X											STEEL	4	1958

APPENDIX

9.2

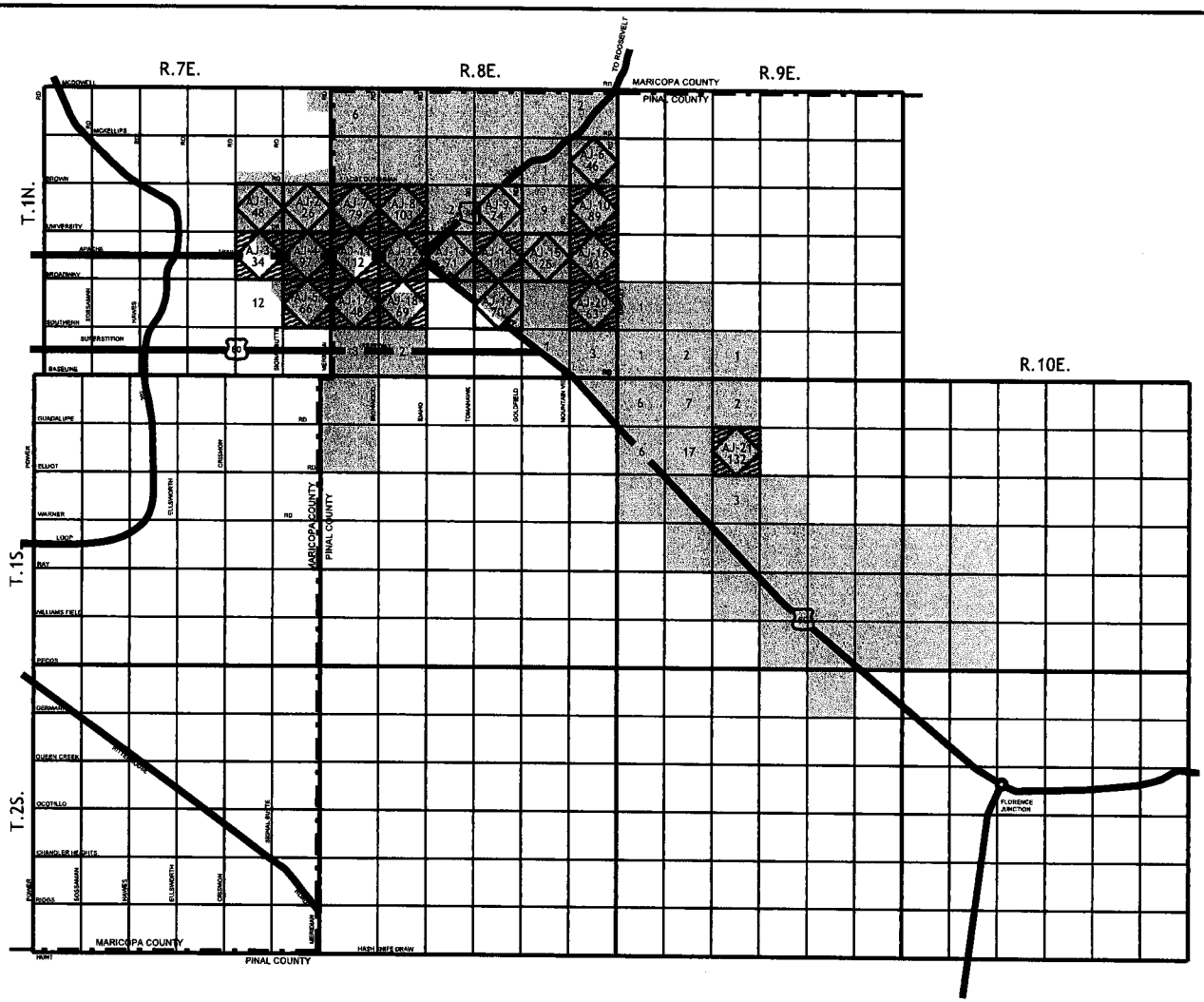
Leak and Break Repair Maps

APPENDIX

9.2.1

Leak and Break Repair Maps

Superstition Division



Distribution System Improvement Program for the Apache Junction Water System Index Map

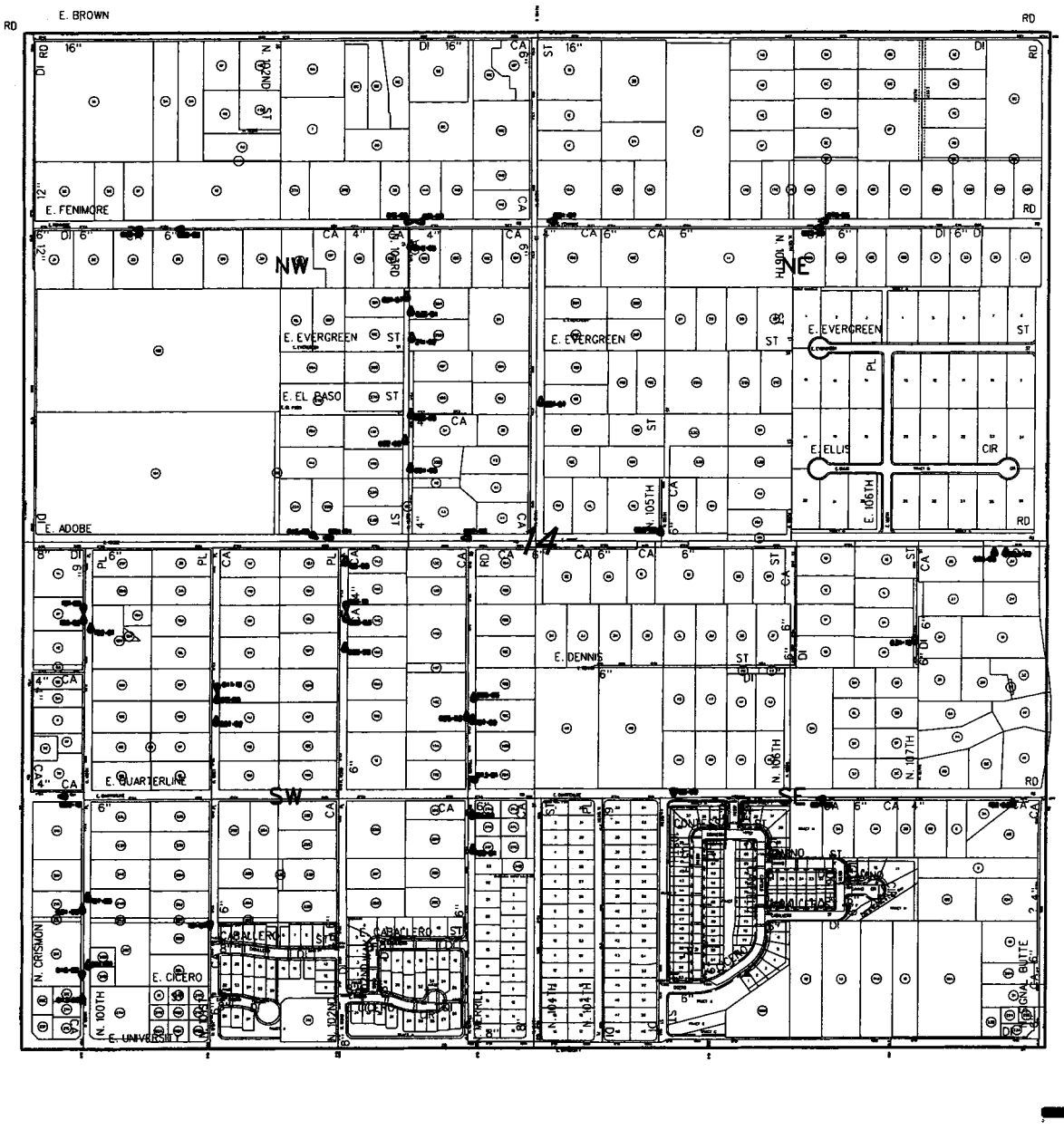
AJ-8 35 — Areas with more than 20 leaks repaired since 2000

AJ-2 8 — Areas w/water mains installed prior to 1960

AJ-4 190 — Areas evaluated for replacement projects

Area covered by present CCN

AJ-8 35 — MAP ID NUMBER / NUMBER OF LEAKS



ARIZONA WATER COMPANY

3805 N. BLACK CANYON HWY • POST OFFICE BOX 29006
PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-6860

SYSTEM	SUPERSTITION
LOCATION	SEC.14-T.1N.,R.7E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

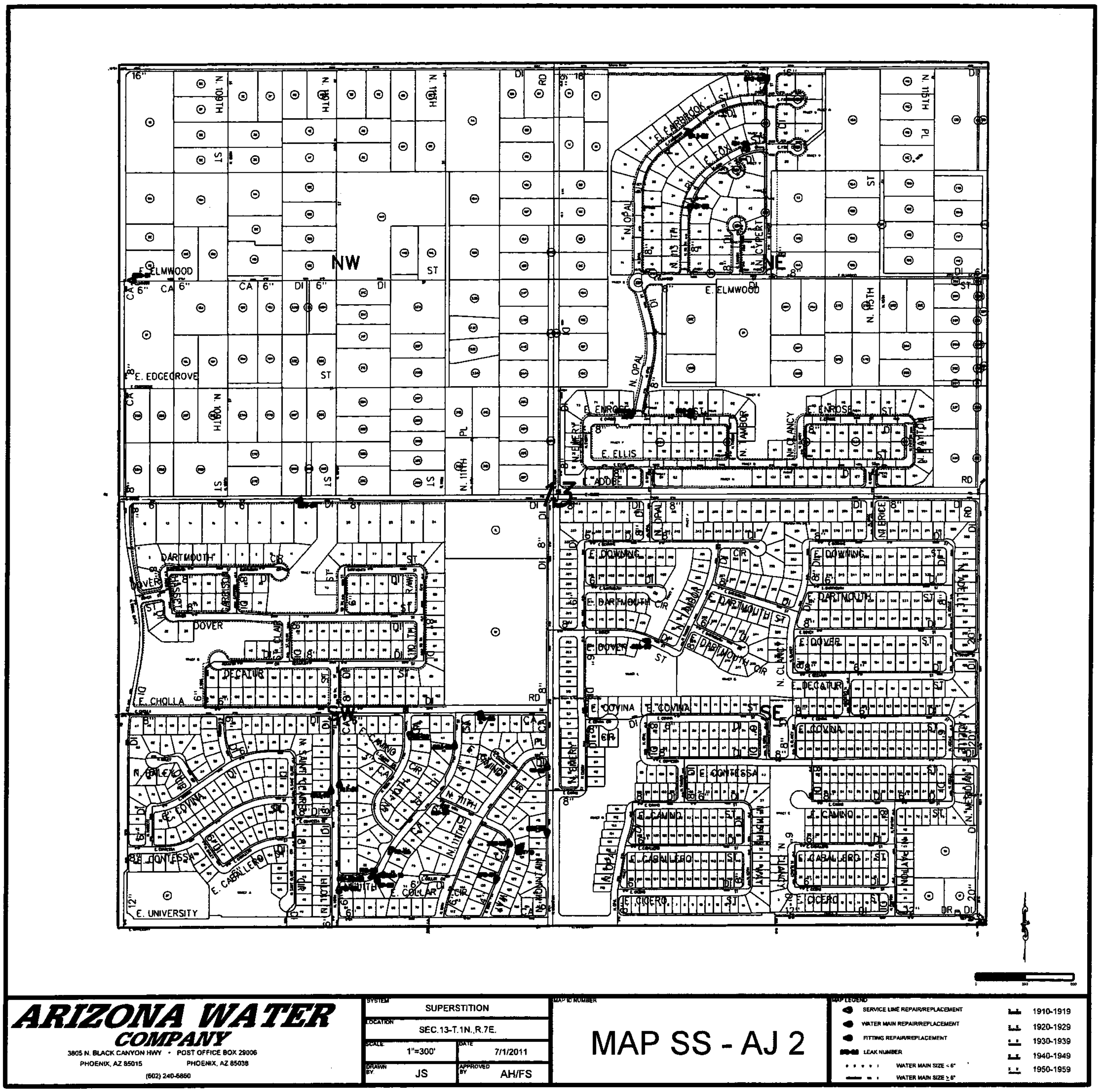
MAP ID NUMBER

MAP SS - AJ 1

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"

1910-1919
1920-1929
1930-1939
1940-1949
1950-1959


NW
NE
SE
E. ELMWOOD
E. EDGEGROVE
E. ENROSE
E. ELLIS
E. ADOBE
DARTMOUTH
DOVER
DECATUR
E. CHOLLA
E. DOWNING
E. COVINA
E. CONTESSA
E. CABALLERO
E. CAMINO
E. CICERO
E. UNIVERSITY
N. OPAL
N. CLANCY
N. BRICE
RD
ARIZONA WATER COMPANY
3805 N. BLACK CANYON HWY · POST OFFICE BOX 29006
PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-6860
SYSTEM SUPERSTITION
LOCATION SEC.13-T.1N.,R.7E.
SCALE 1"=300'
DATE 7/1/2011
DRAWN BY JS
APPROVED BY AH/FS
MAP ID NUMBER
MAP SS - AJ 2
MAP LEGEND
SERVICE LINE REPAIR/REPLACEMENT
WATER MAIN REPAIR/REPLACEMENT
FITTING REPAIR/REPLACEMENT
LEAK NUMBER
WATER MAIN SIZE < 6"
WATER MAIN SIZE ≥ 6"
1910-1919
1920-1929
1930-1939
1940-1949
1950-1959

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SYSTEM	SUPERSTITION
LOCATION	SEC.23-T.1N.,R.7E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

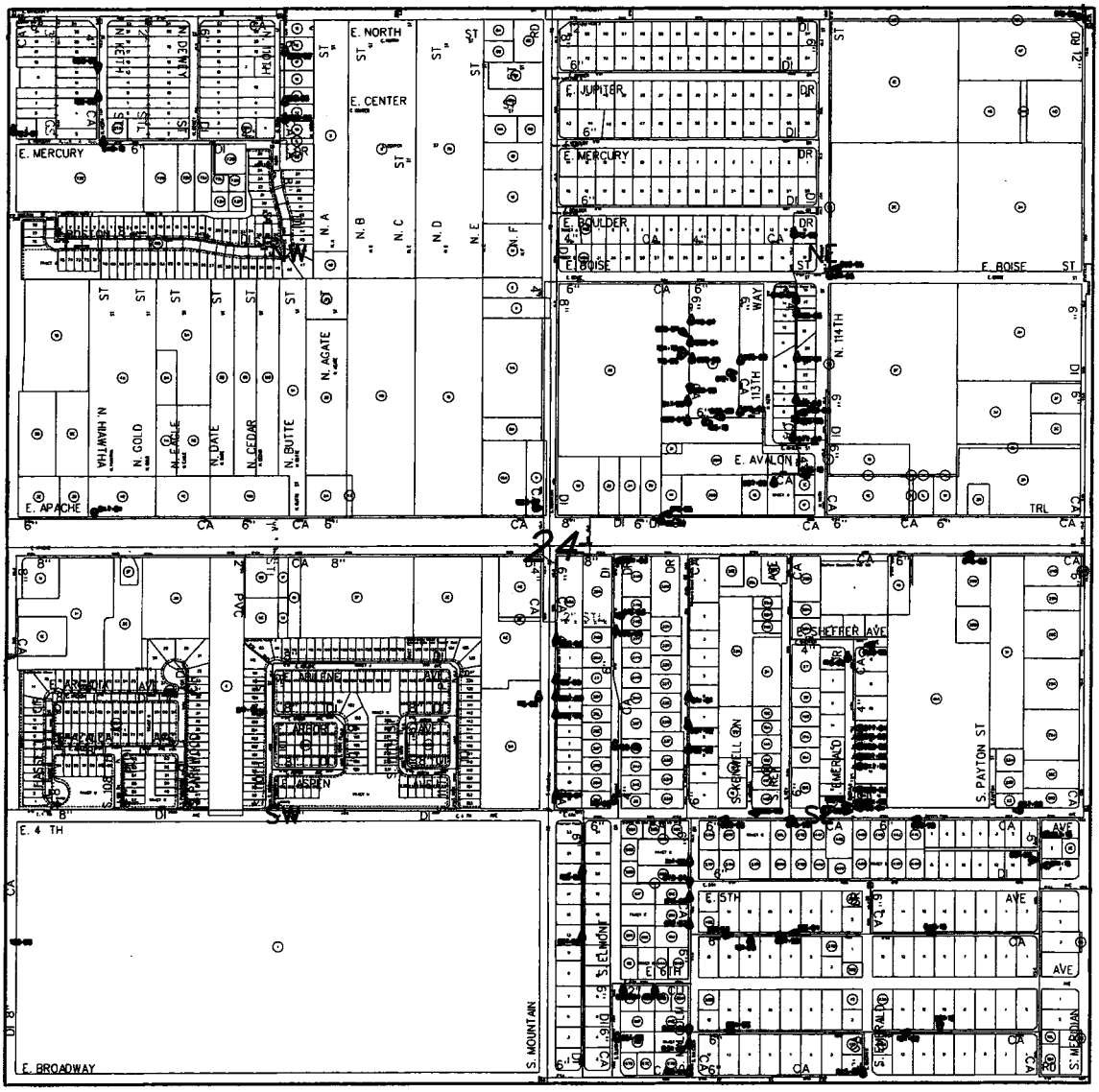
MAP ID NUMBER

MAP SS - AJ 3

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"

- 1910-1919
- 1920-1929
- 1930-1939
- 1940-1949
- 1950-1959



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PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-6860

SYSTEM	SUPERSTITION
LOCATION	SEC.24-T.1N.,R.7E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

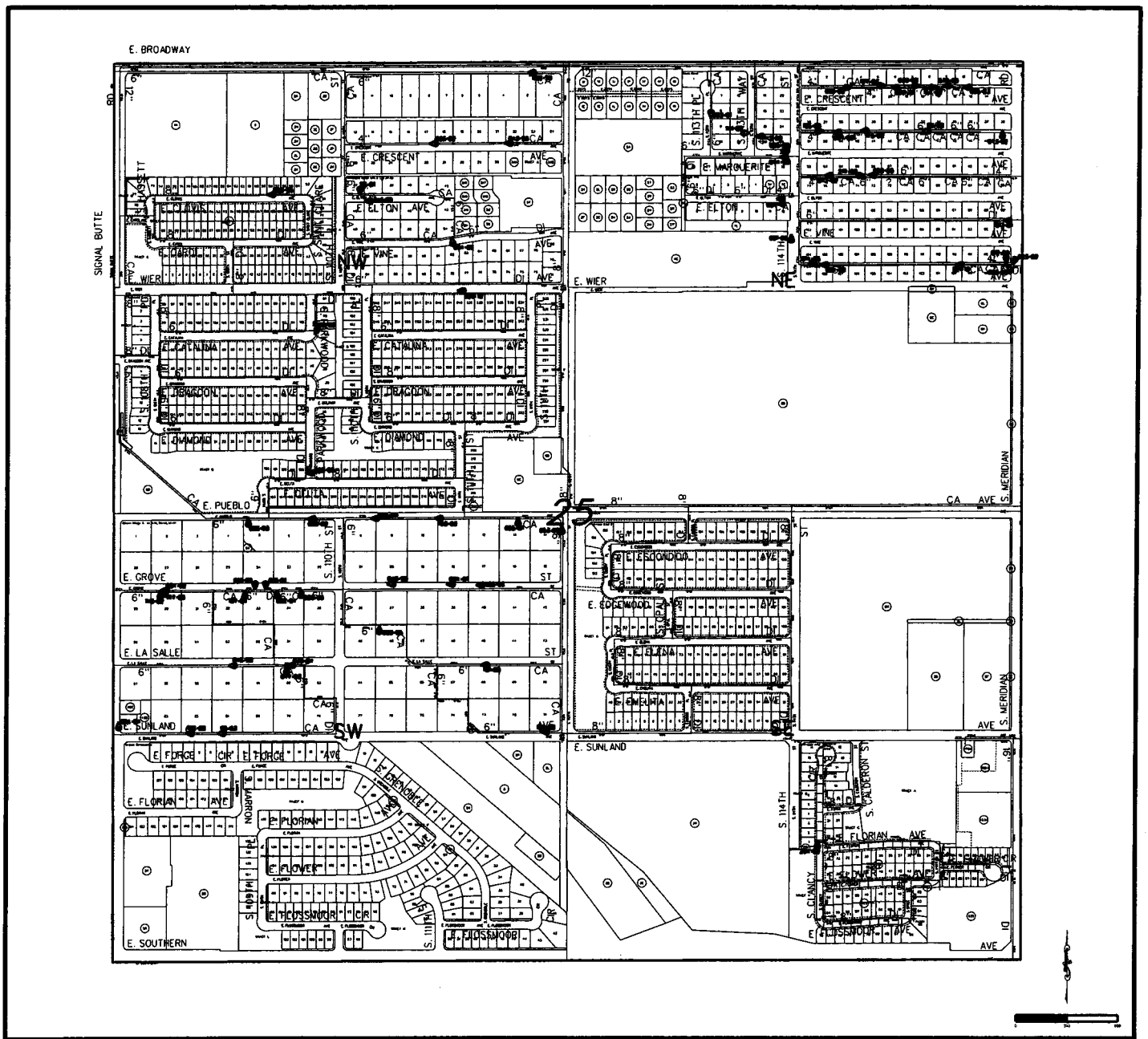
MAP ID NUMBER

MAP SS - AJ 4

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"

1910-1919
1920-1929
1930-1939
1940-1949
1950-1959



ARIZONA WATER COMPANY

3805 N. BLACK CANYON HWY • POST OFFICE BOX 29006
PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-6860

SYSTEM	SUPERSTITION
LOCATION	SEC.25-T.1N.,R.7E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

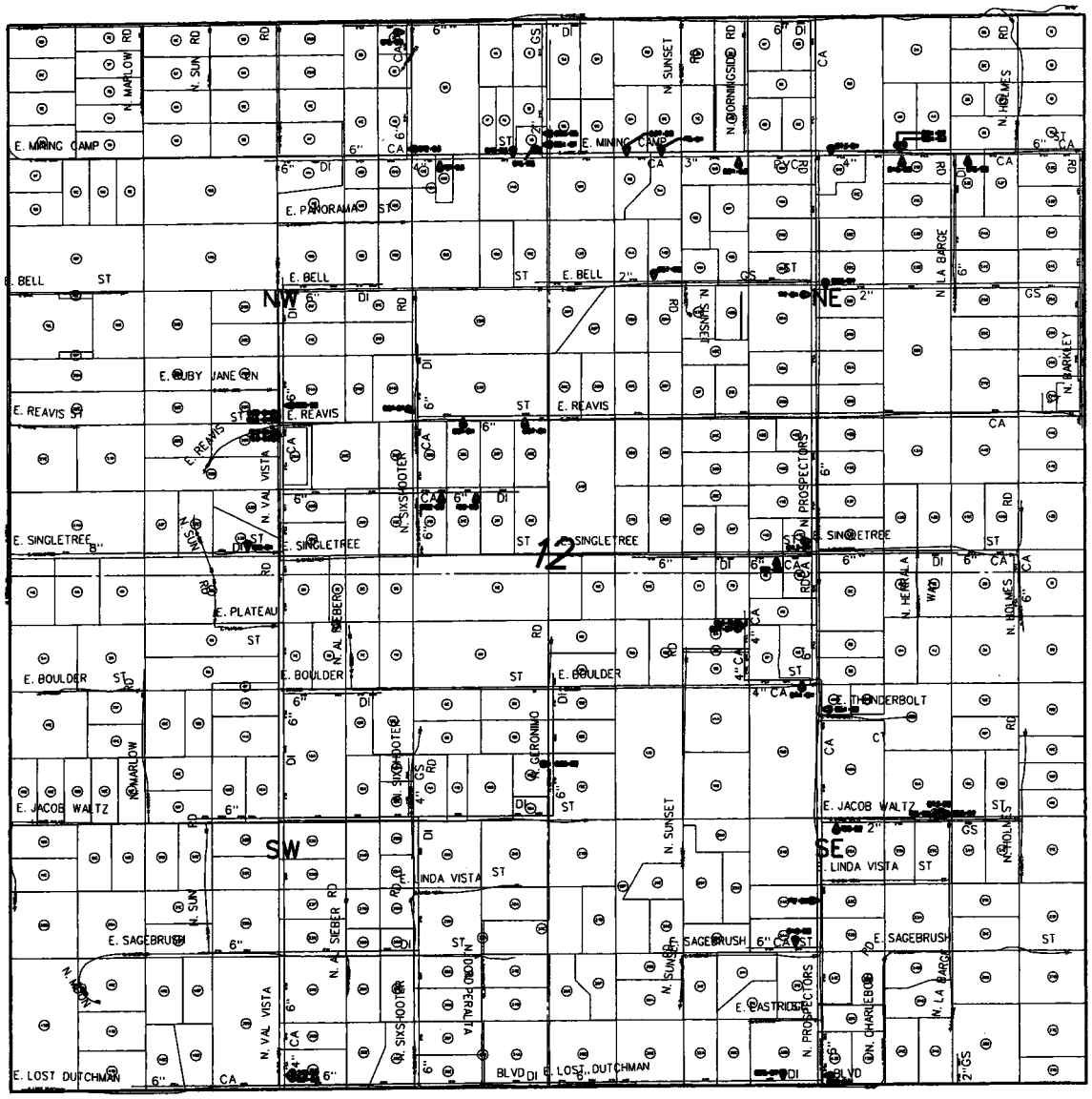
MAP ID NUMBER

MAP SS - AJ 5

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"

1910-1919
1920-1929
1930-1939
1940-1949
1950-1959



ARIZONA WATER COMPANY

3805 N. BLACK CANYON HWY • POST OFFICE BOX 29006
PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-6860

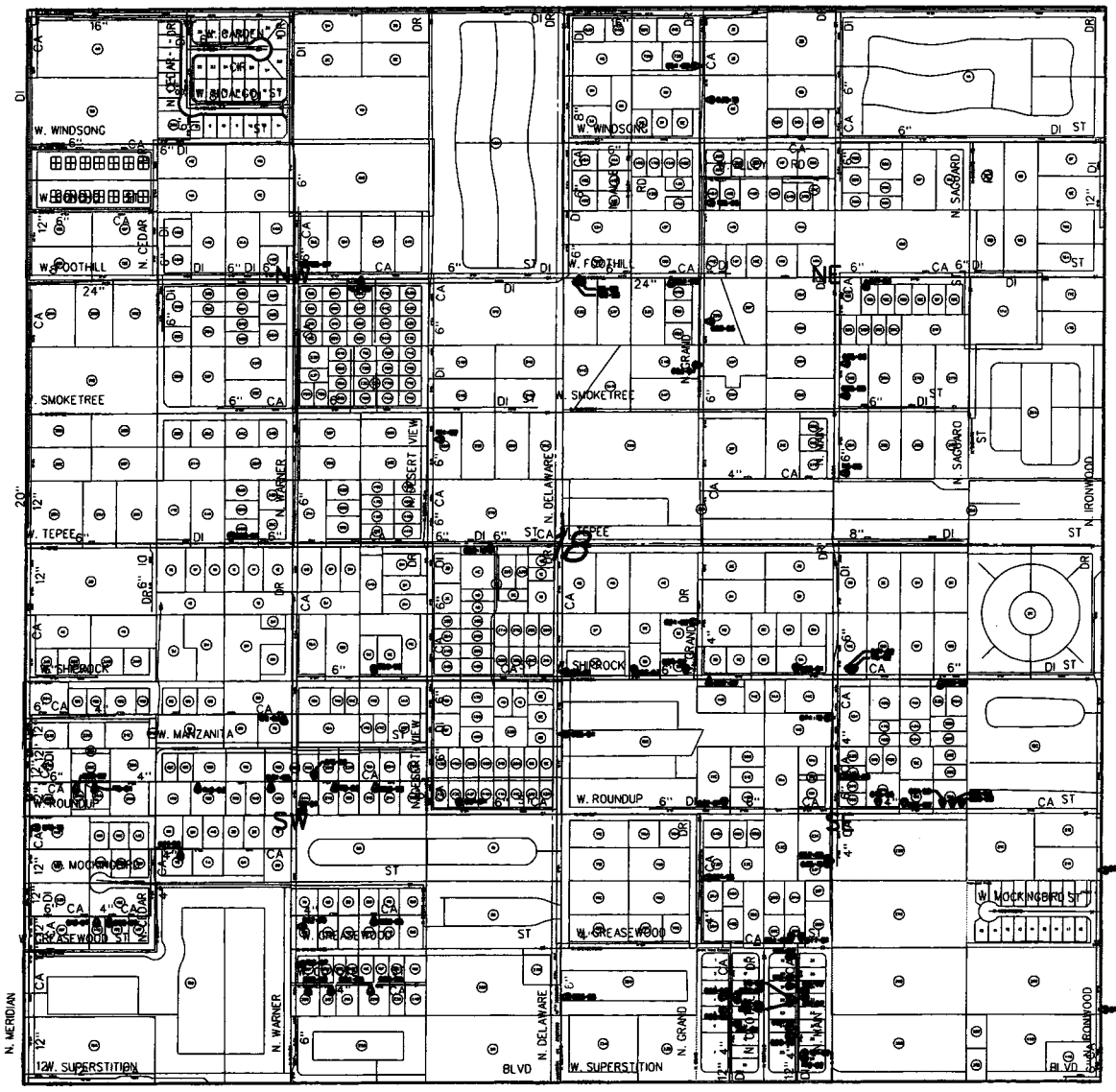
SYSTEM	SUPERSTITION
LOCATION	SEC.12-T.1N.,R.8E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

MAP ID NUMBER

MAP SS - AJ 6

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"
- 1910-1919
- 1920-1929
- 1930-1939
- 1940-1949
- 1950-1959



ARIZONA WATER COMPANY

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PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-6860

SYSTEM	SUPERSTITION
LOCATION	SEC.18-T.1N.,R.8E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

MAP ID NUMBER

MAP SS - AJ 7

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"
- 1910-1919
- 1920-1929
- 1930-1939
- 1940-1949
- 1950-1959

ARIZONA WATER COMPANY

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PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-6860

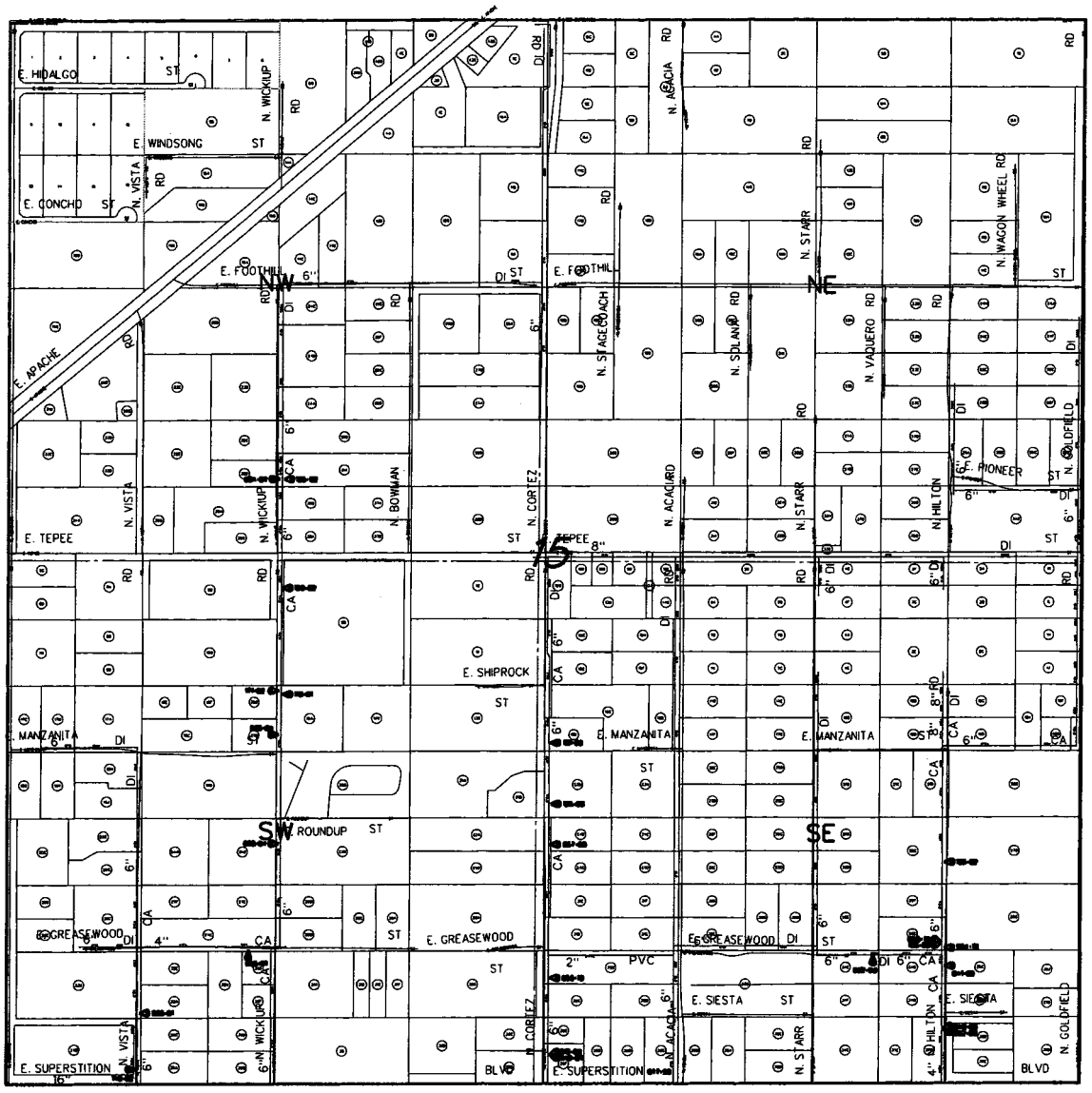
SYSTEM	SUPERSTITION
LOCATION	SEC.17-T.1N.,R.8E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

MAP ID NUMBER

MAP SS - AJ 8

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"
- 1910-1919
- 1920-1929
- 1930-1939
- 1940-1949
- 1950-1959



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PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-5860

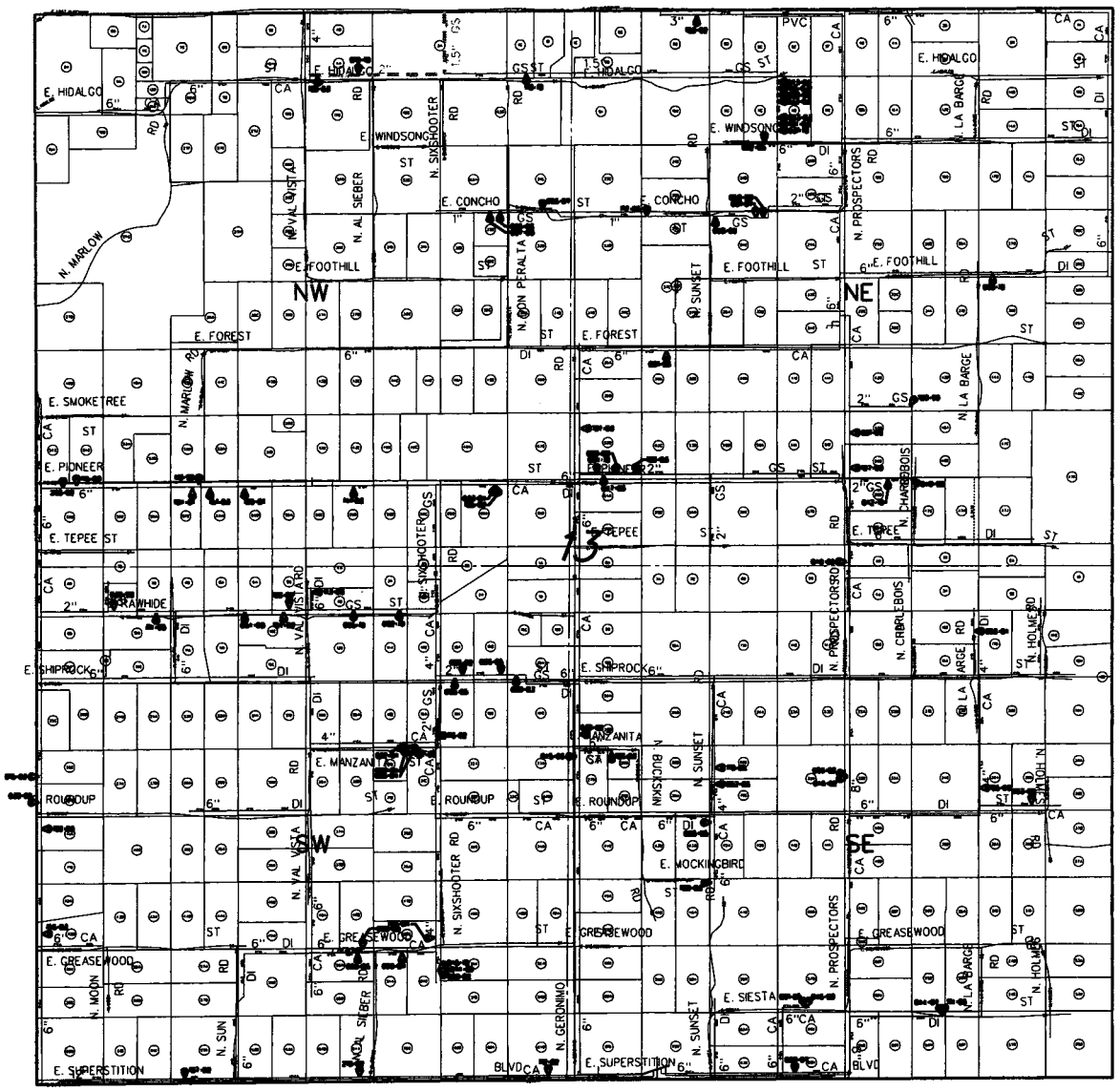
SYSTEM	SUPERSTITION
LOCATION	SEC.15-T.1N.,R.8E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

MAP ID NUMBER

MAP SS - AJ 9

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"
- 1910-1919
- 1920-1929
- 1930-1939
- 1940-1949
- 1950-1959



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PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-5860

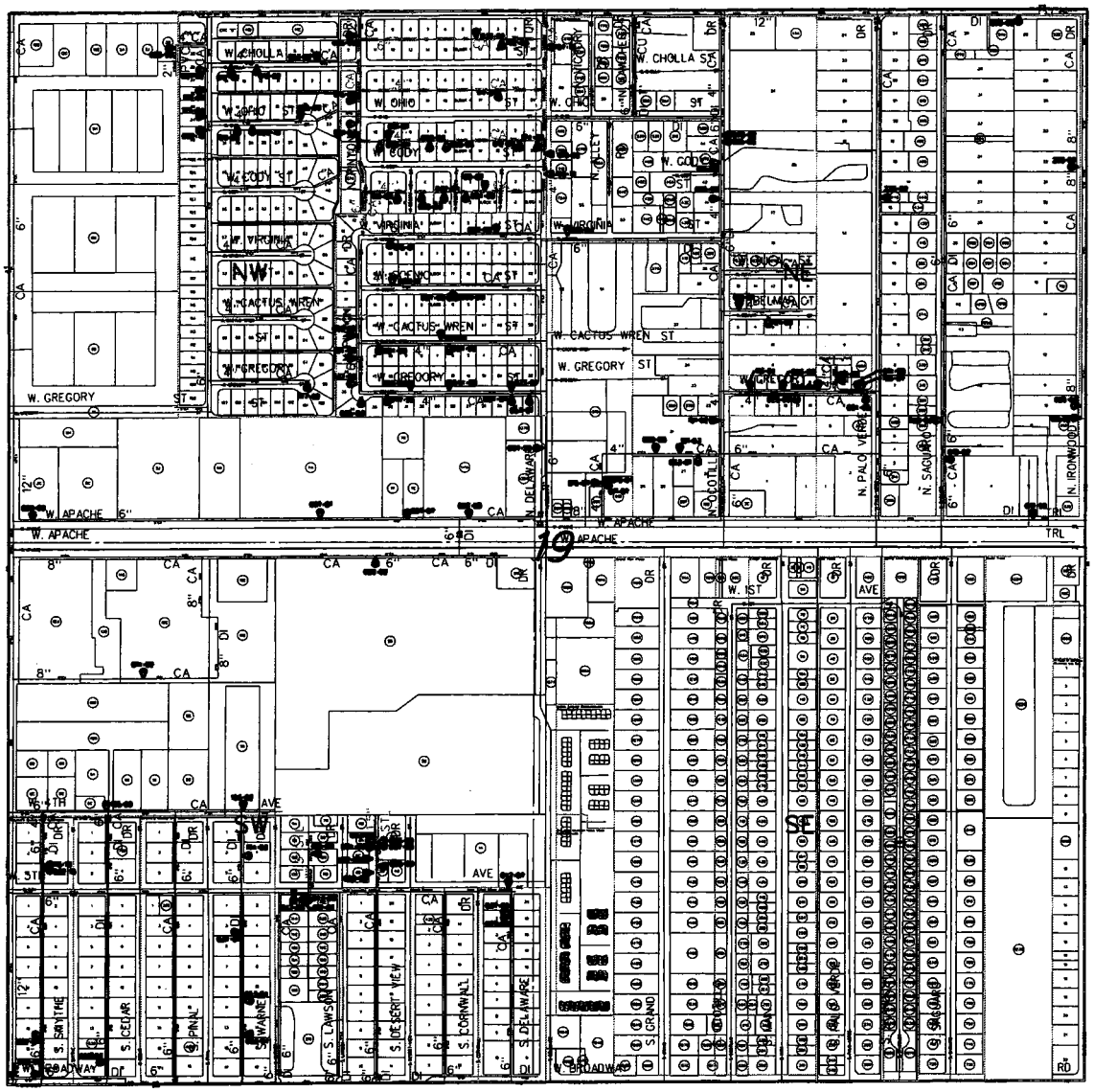
SYSTEM	SUPERSTITION
LOCATION	SEC.13-T.1N.,R.8E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

MAP ID NUMBER

MAP SS - AJ 10

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"
- 1910-1919
- 1920-1929
- 1930-1939
- 1940-1949
- 1950-1959



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PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-5860

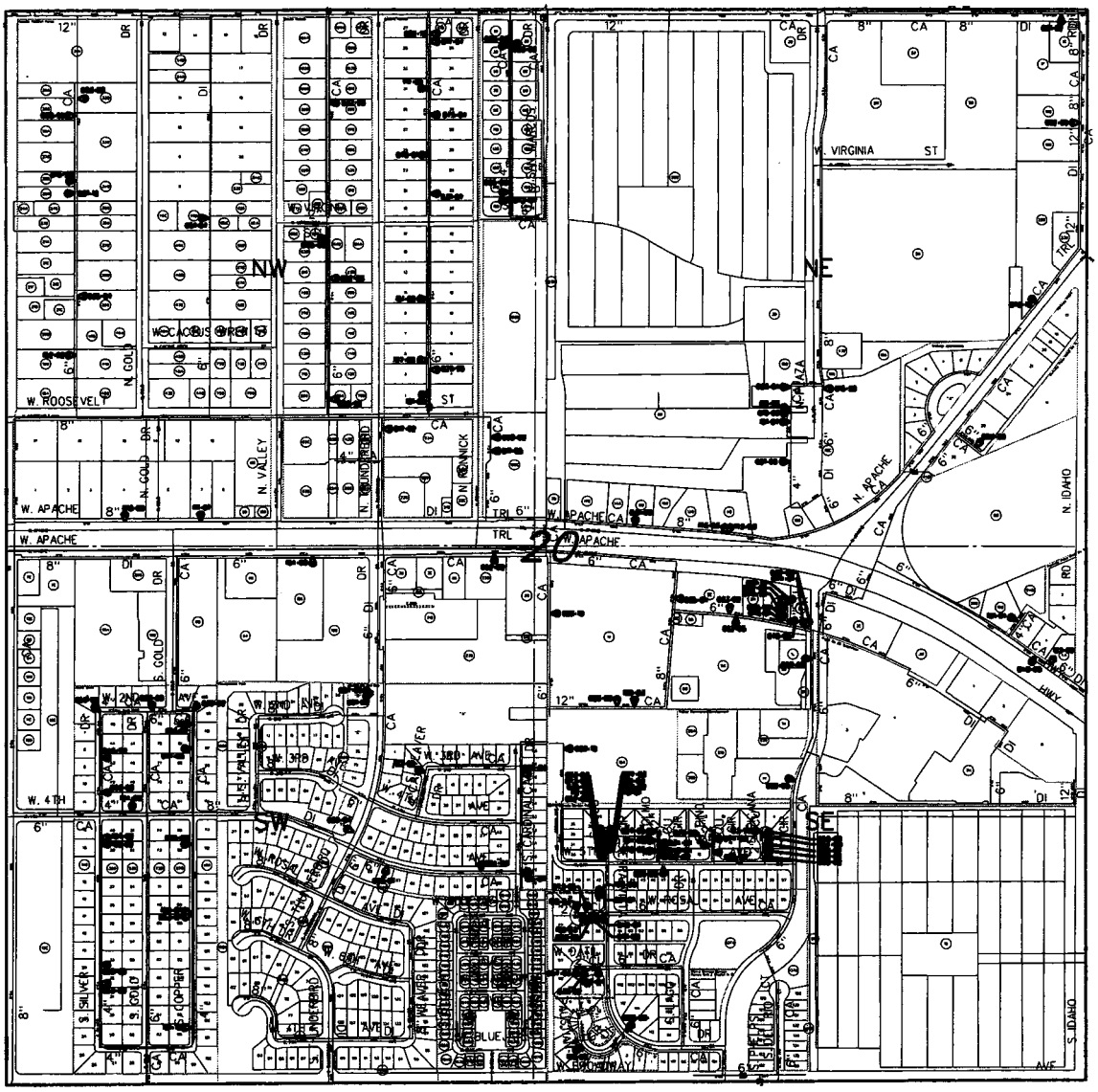
SYSTEM	SUPERSTITION
LOCATION	SEC.19-T.1N.,R.8E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

MAP ID NUMBER

MAP SS - AJ 11

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"
- 1910-1919
- 1920-1929
- 1930-1939
- 1940-1949
- 1950-1959



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PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-6860

SYSTEM	SUPERSTITION
LOCATION	SEC.20-T.1N.,R.8E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

MAP ID NUMBER

MAP SS - AJ 12

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"

1910-1919
1920-1929
1930-1939
1940-1949
1950-1959

ARIZONA WATER COMPANY

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(602) 240-6860

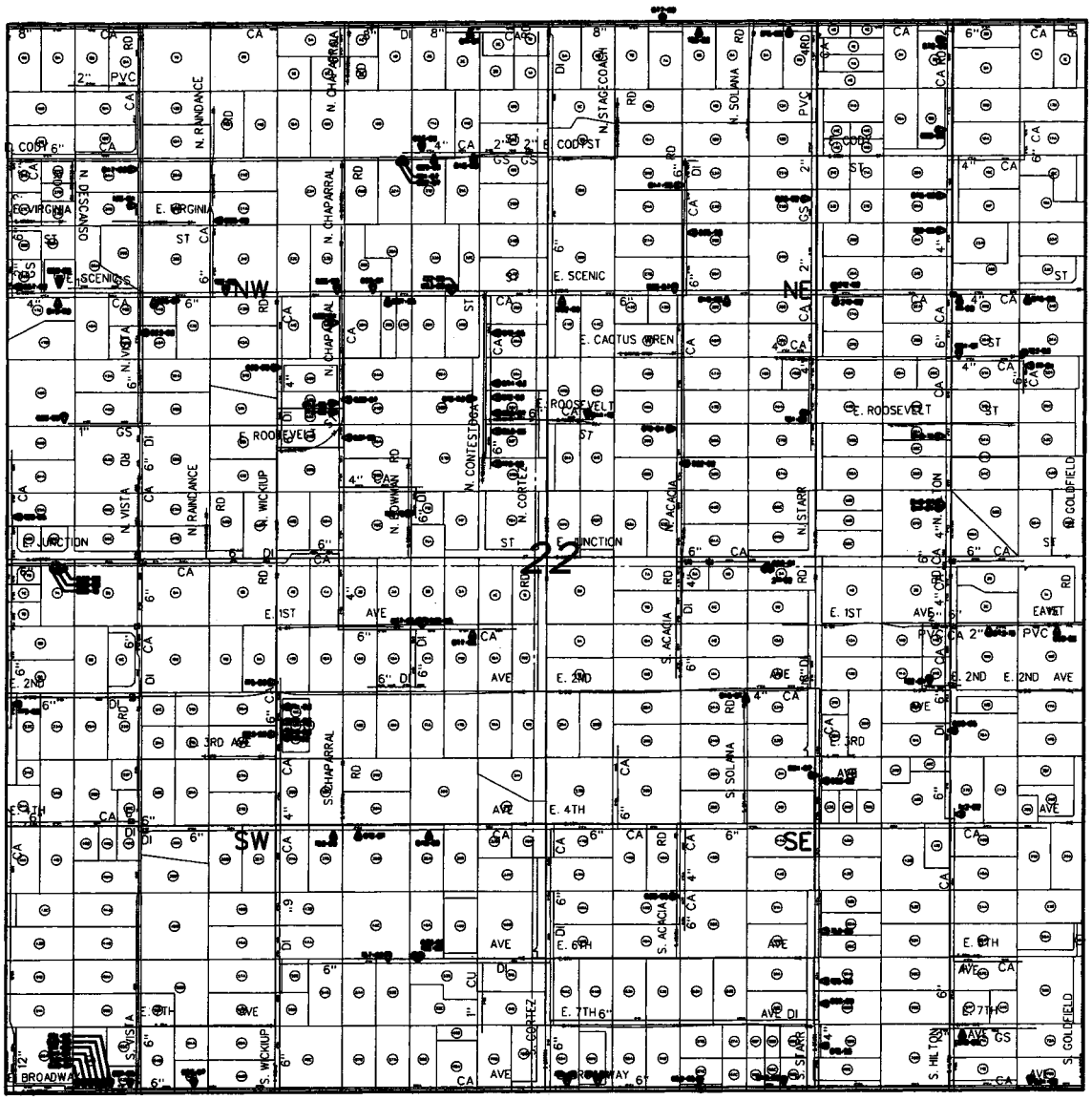
SYSTEM	SUPERSTITION
LOCATION	SEC.21-T.1N.,R.8E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

MAP ID NUMBER

MAP SS - AJ 13

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"
- 1910-1919
- 1920-1929
- 1930-1939
- 1940-1949
- 1950-1959



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PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-6860

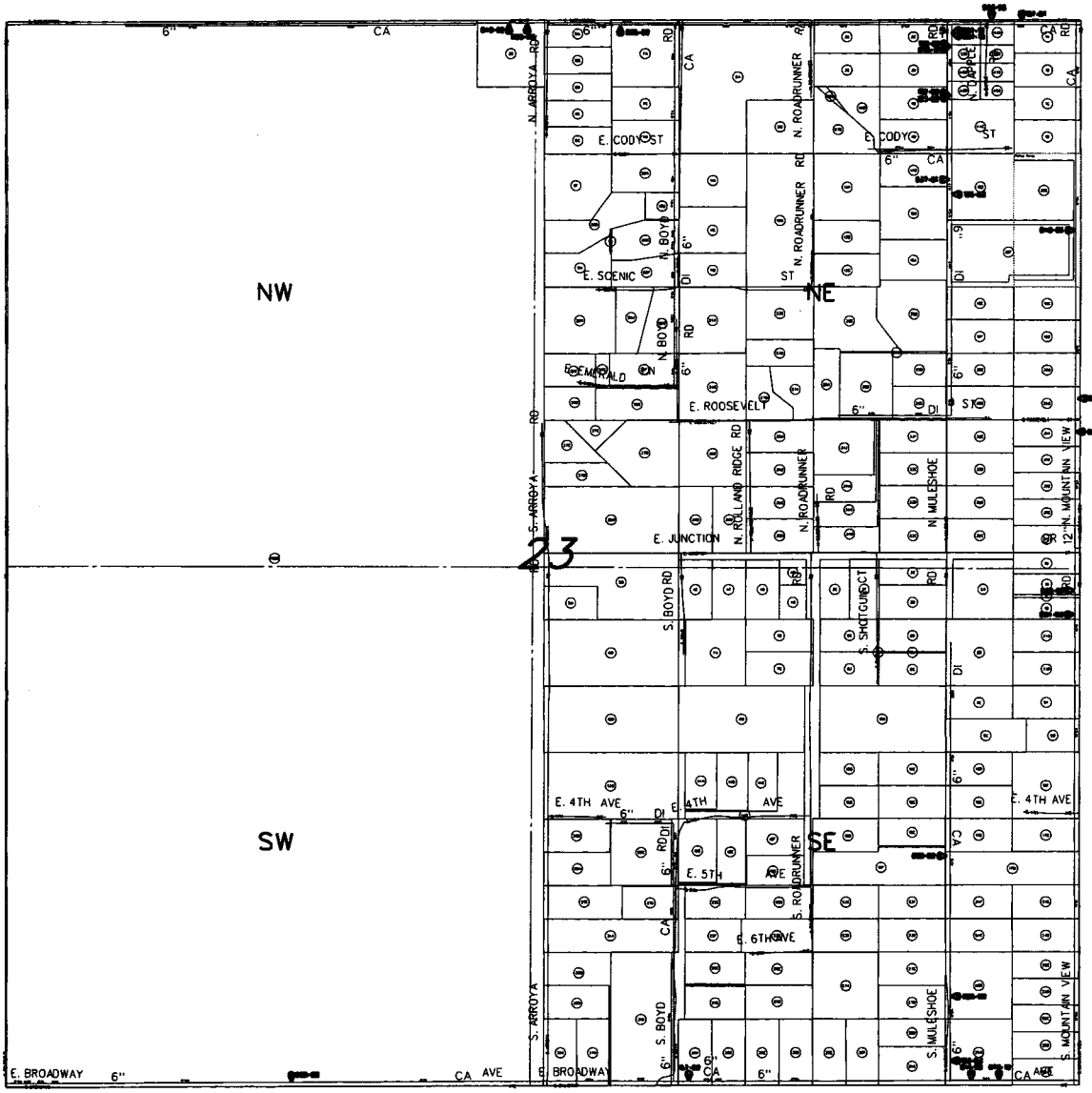
SYSTEM	SUPERSTITION
LOCATION	SEC.22-T.1N.,R.8E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

MAP ID NUMBER

MAP SS - AJ 14

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"
- 1910-1919
- 1920-1929
- 1930-1939
- 1940-1949
- 1950-1959



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PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-5860

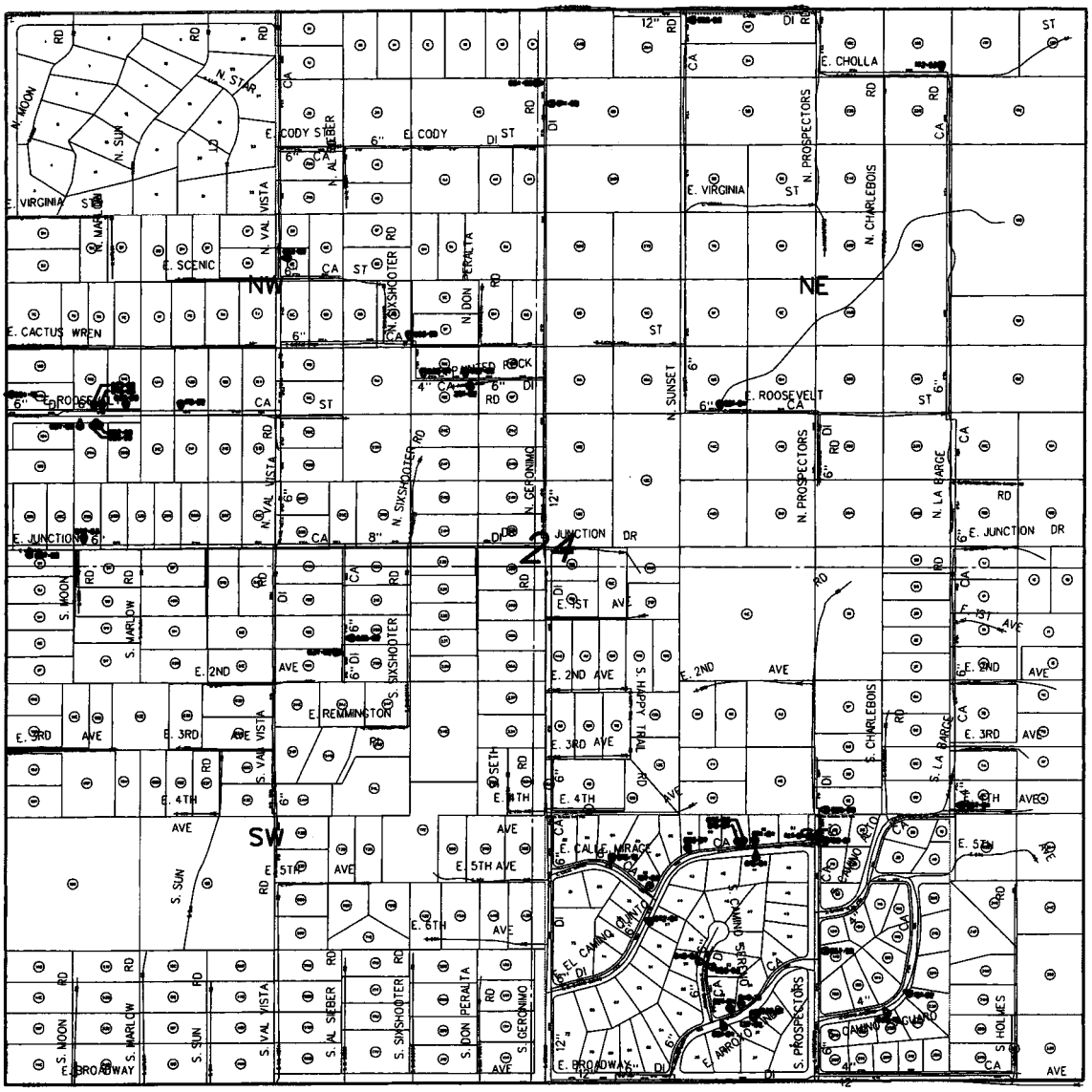
SYSTEM	SUPERSTITION
LOCATION	SEC.23-T.1N.,R.8E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

MAP ID NUMBER

MAP SS - AJ 15

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"
- 1910-1919
- 1920-1929
- 1930-1939
- 1940-1949
- 1950-1959



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PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-6860

SYSTEM	SUPERSTITION
LOCATION	SEC.24-T.1N.,R.8E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

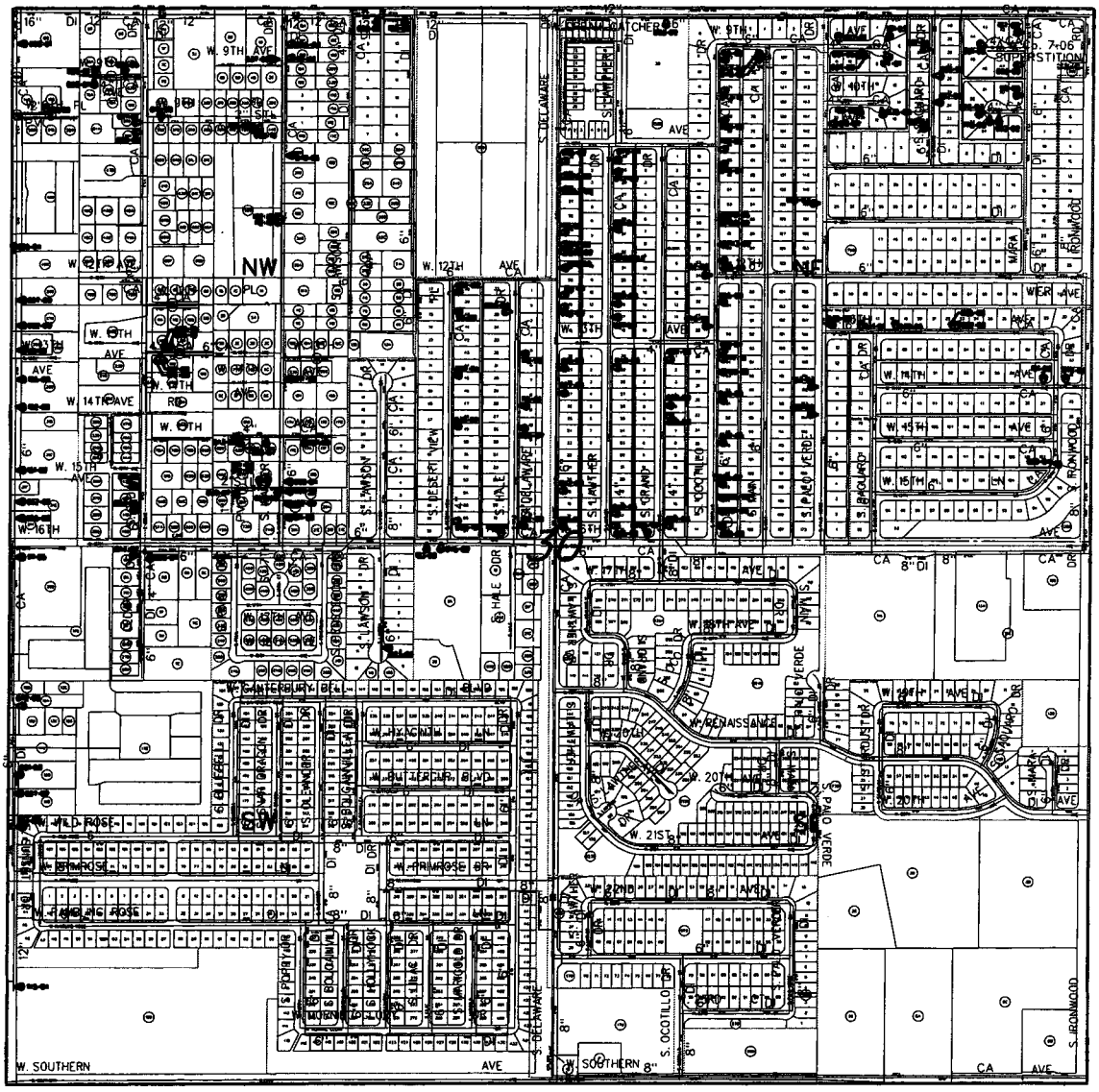
MAP ID NUMBER

MAP SS - AJ 16

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"

- 1910-1919
- 1920-1929
- 1930-1939
- 1940-1949
- 1950-1959



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PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-5860

SYSTEM	SUPERSTITION
LOCATION	SEC.30-T.1N.,R.8E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

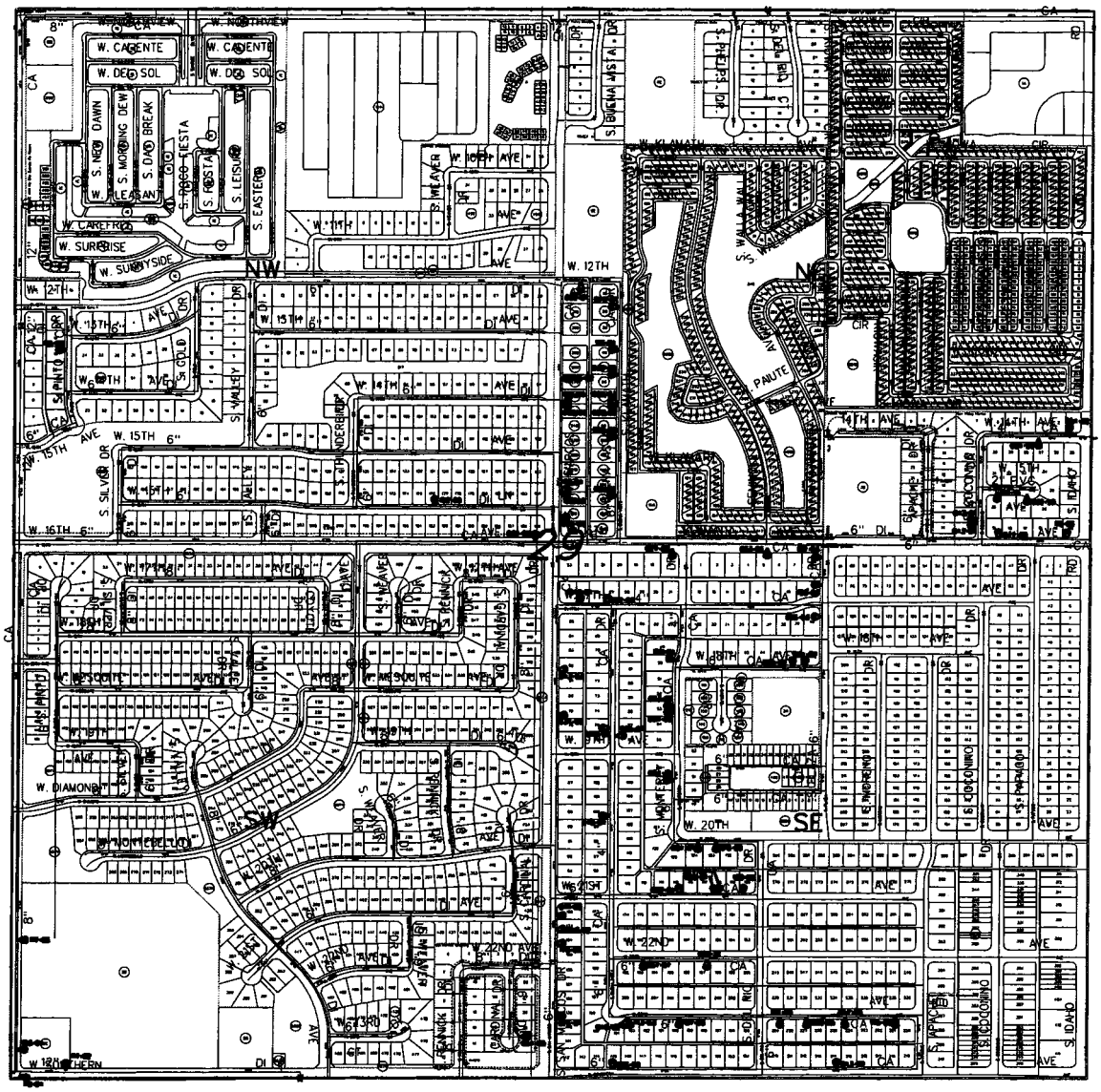
MAP ID NUMBER

MAP SS - AJ 17

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"

- 1910-1919
- 1920-1929
- 1930-1939
- 1940-1949
- 1950-1959



ARIZONA WATER COMPANY

3805 N. BLACK CANYON HWY • POST OFFICE BOX 29006
PHOENIX, AZ 85015 PHOENIX, AZ 85036
(602) 240-6860

SYSTEM	SUPERSTITION
LOCATION	SEC.29-T.1N.,R.8E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

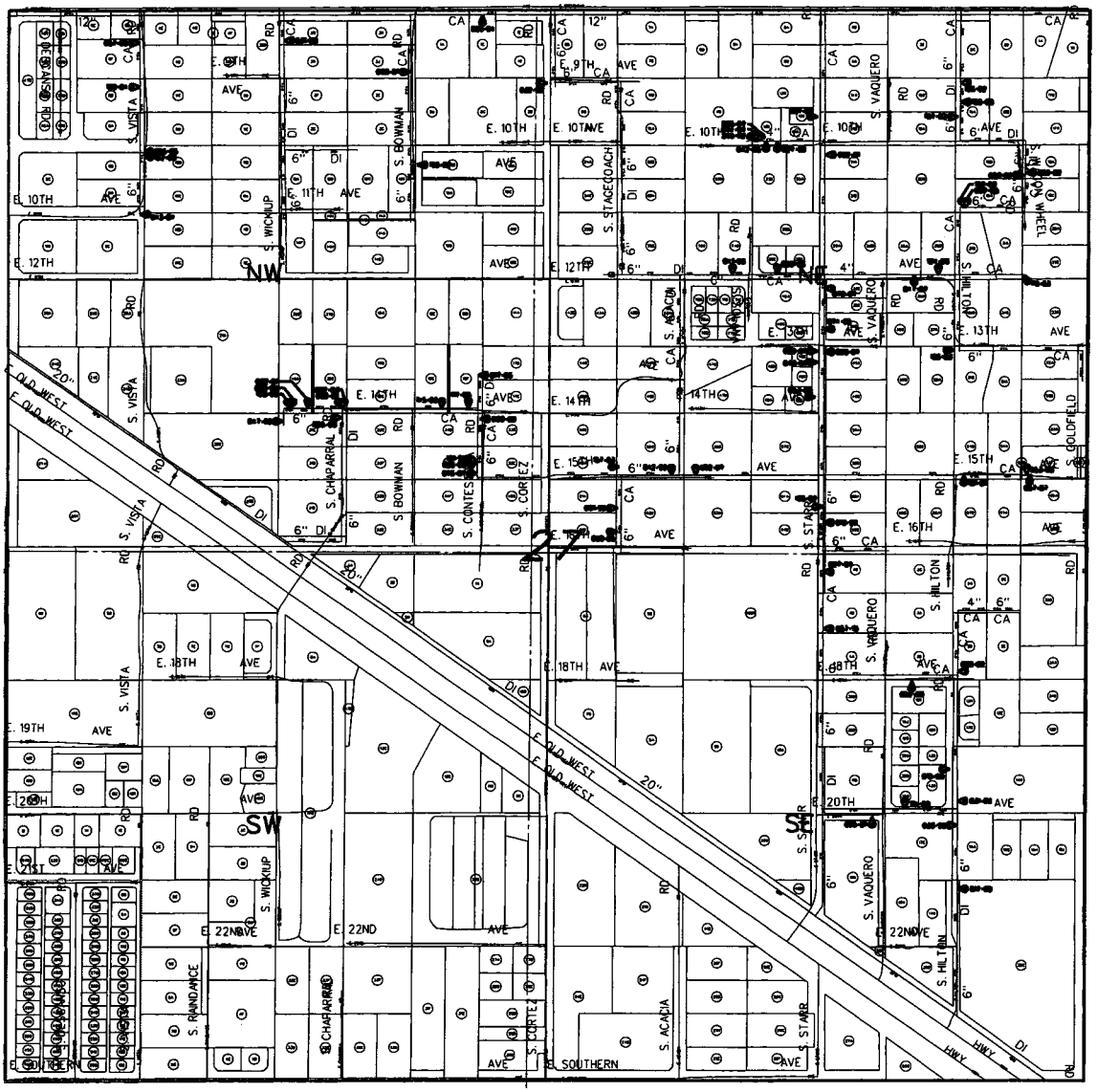
MAP ID NUMBER

MAP SS - AJ 18

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 8"
- WATER MAIN SIZE ≥ 8"

1910-1919
1920-1929
1930-1939
1940-1949
1950-1959



ARIZONA WATER COMPANY

3805 N. BLACK CANYON HWY • POST OFFICE BOX 29006
PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-6860

SYSTEM	SUPERSTITION
LOCATION	SEC.27-T.1N.,R.8E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

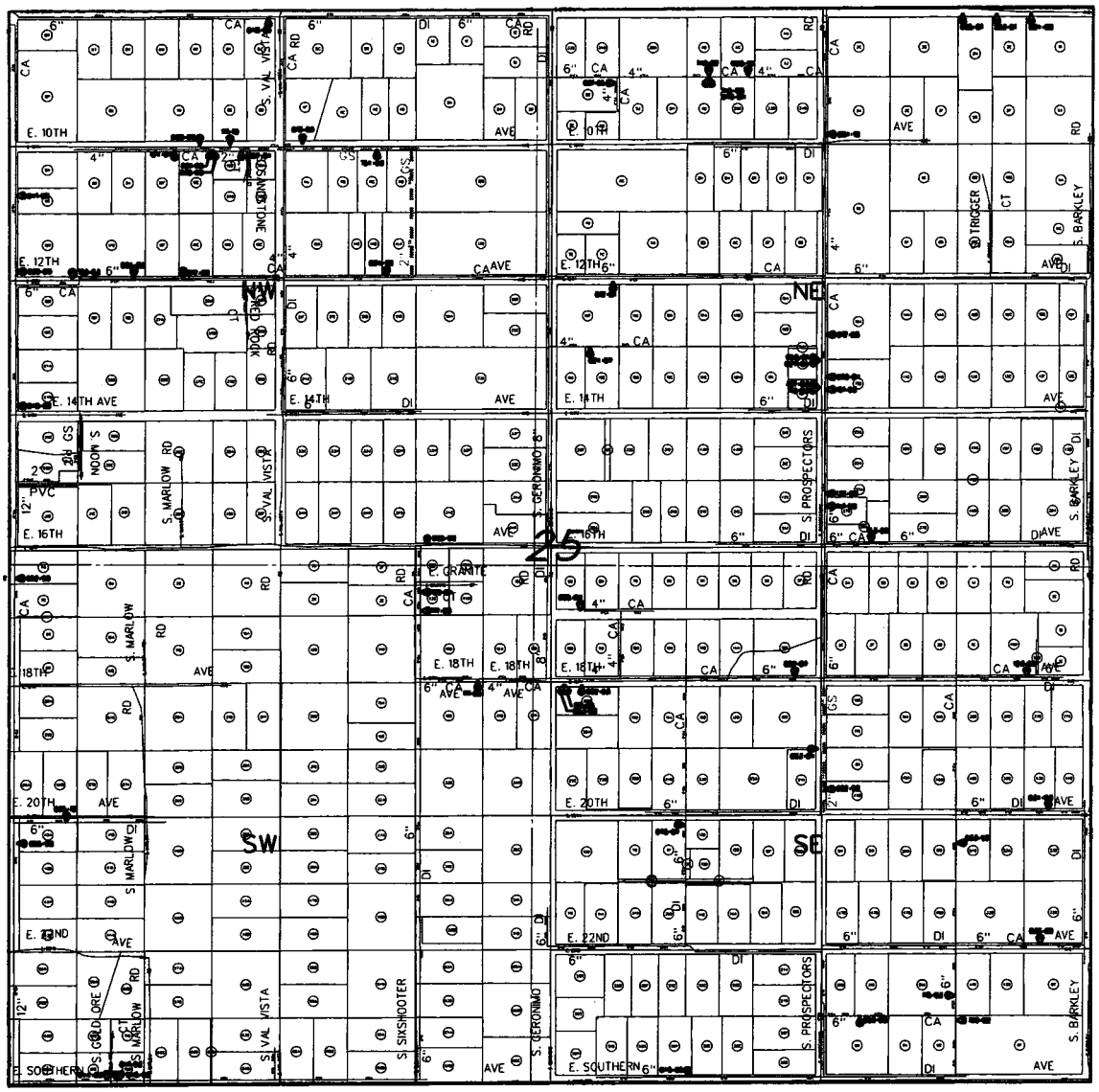
MAP ID NUMBER

MAP SS - AJ 19

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"

1910-1919
1920-1929
1930-1939
1940-1949
1950-1959



ARIZONA WATER COMPANY

3805 N. BLACK CANYON HWY • POST OFFICE BOX 29006
PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-6868

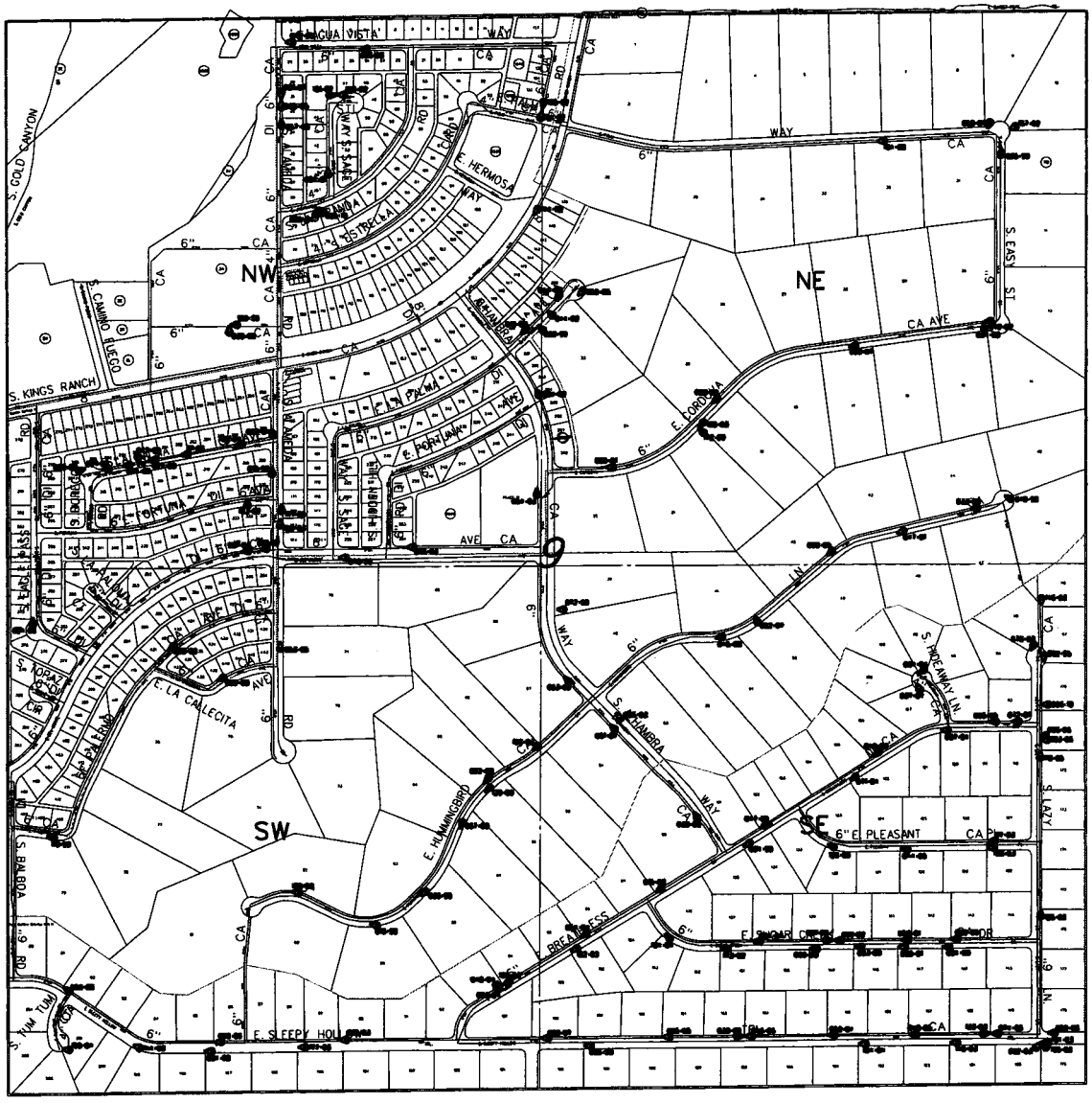
SYSTEM	SUPERSTITION
LOCATION	SEC.25-T.1N.,R.8E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

MAP ID NUMBER

MAP SS - AJ 20

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"
- 1910-1919
- 1920-1929
- 1930-1939
- 1940-1949
- 1950-1959



ARIZONA WATER COMPANY

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PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-5860

SYSTEM	SUPERSTITION
LOCATION	SEC.9-T.1S.,R.9E.
SCALE	1"=300'
DATE	7/15/2011
DRAWN BY	JS
APPROVED BY	AH/FS

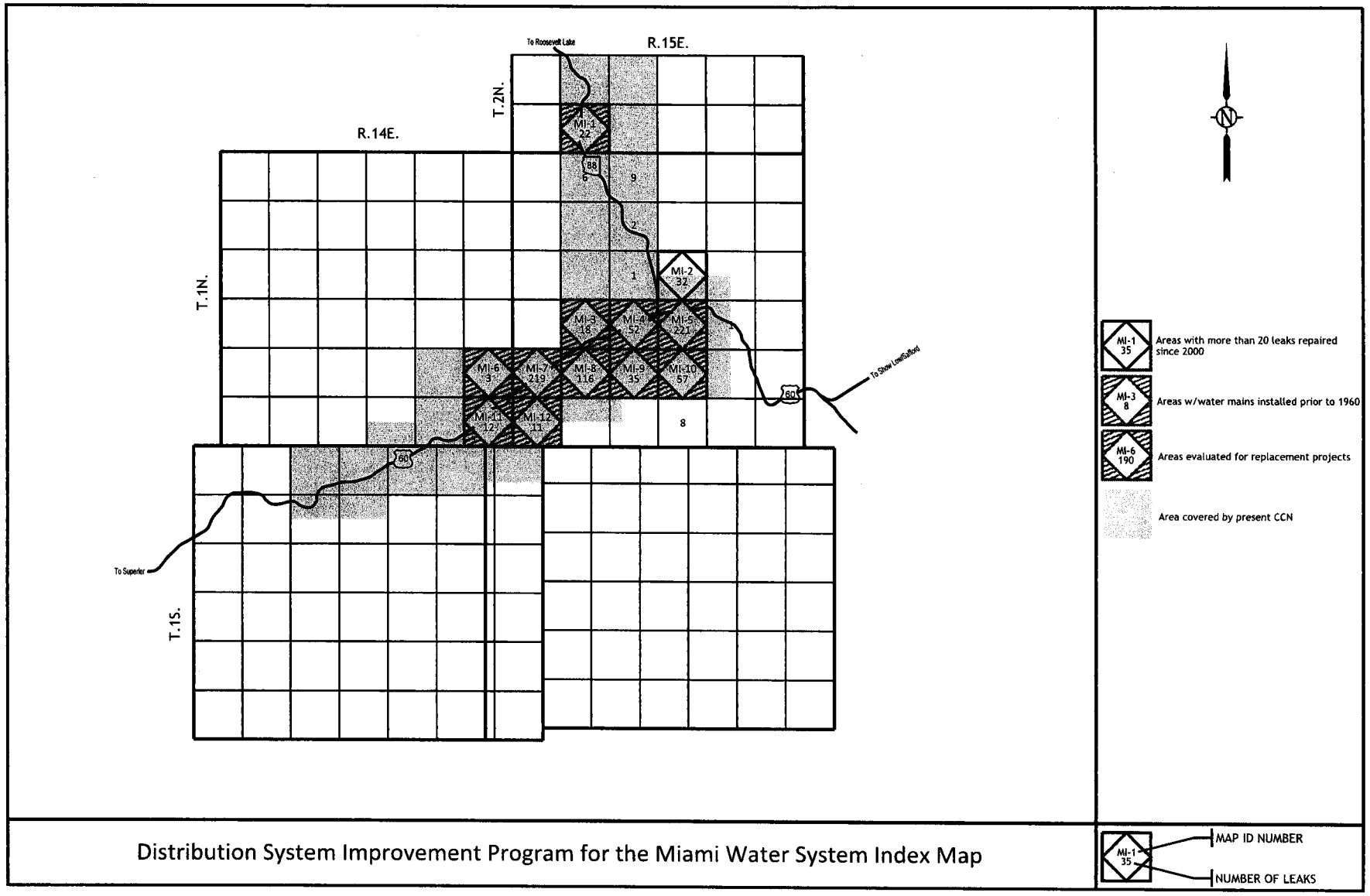
MAP ID NUMBER

MAP SS - AJ 21

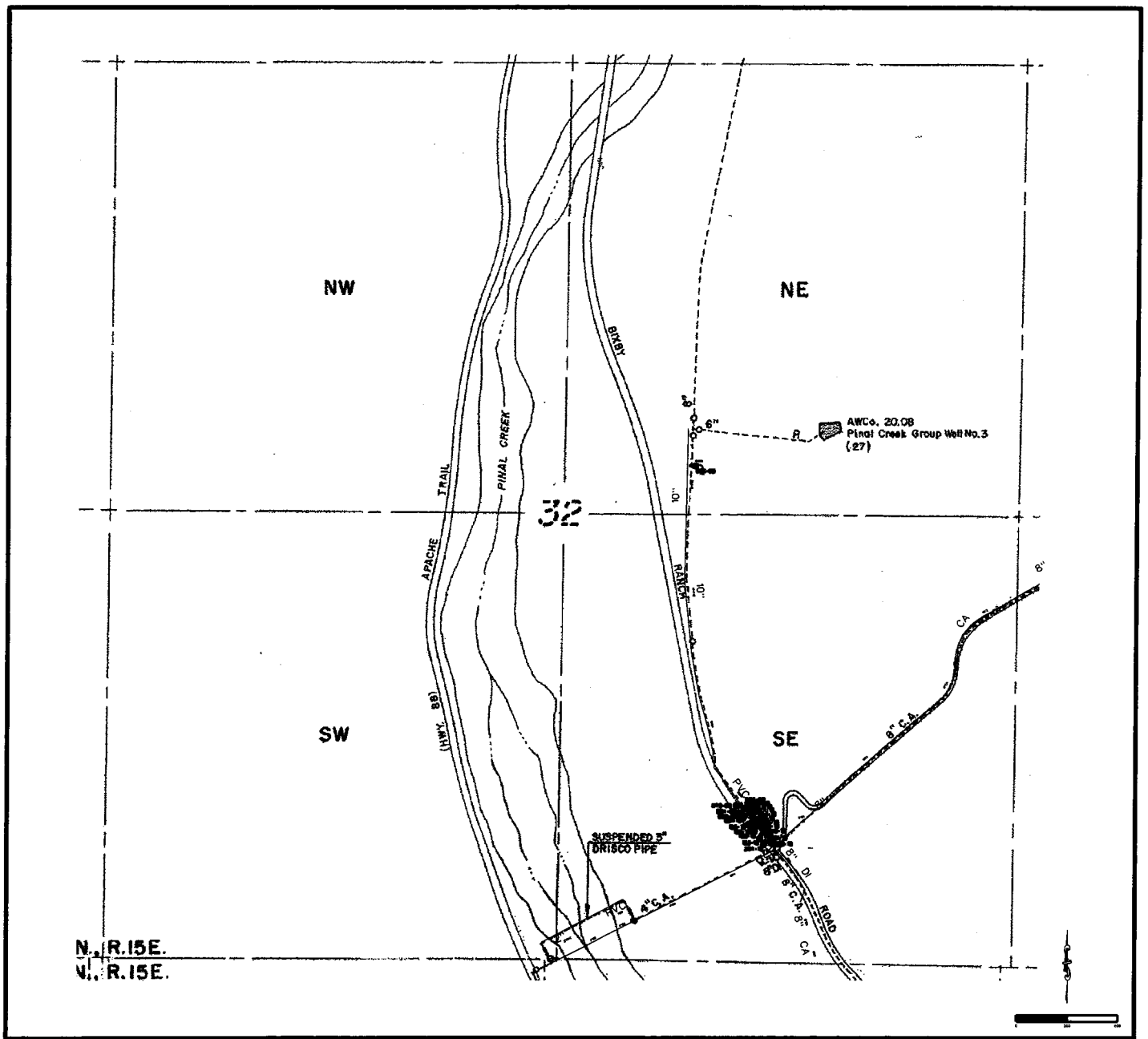
MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"

1910-1919
1920-1929
1930-1939
1940-1949
1950-1959



Distribution System Improvement Program for the Miami Water System Index Map



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3805 N. BLACK CANYON HWY • POST OFFICE BOX 29006
PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-6860

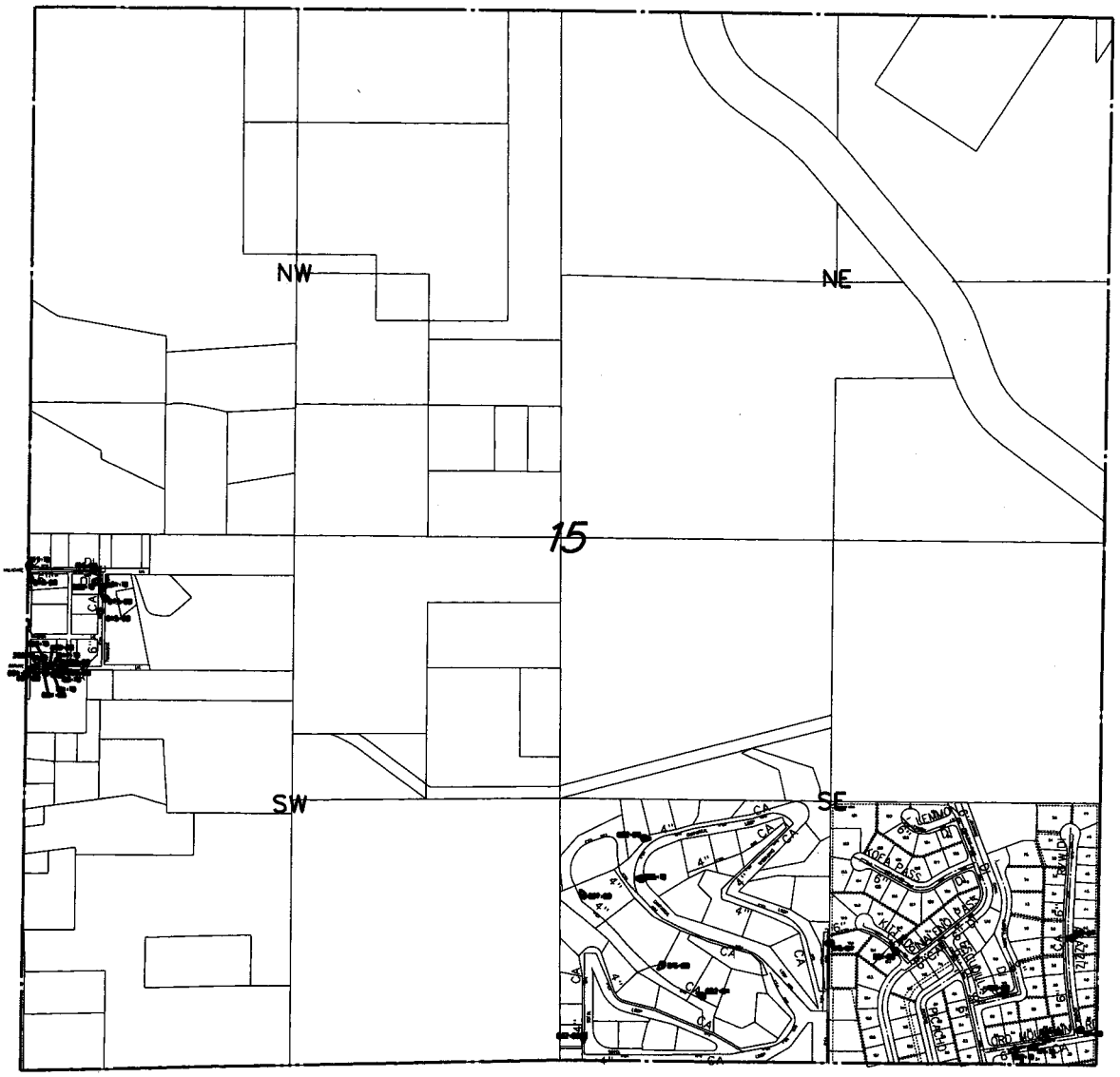
SYSTEM	SUPERSTITION
LOCATION	SEC.32-T.2N.,R.15E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

MAP ID NUMBER

MAP SS - MI 1

MAP LEGEND
- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"

1900-1909
1910-1919
1920-1929
1930-1939
1940-1949
1950-1959



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PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-6860

SYSTEM	SUPERSTITION
LOCATION	SEC.15-T.1N.,R.15E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

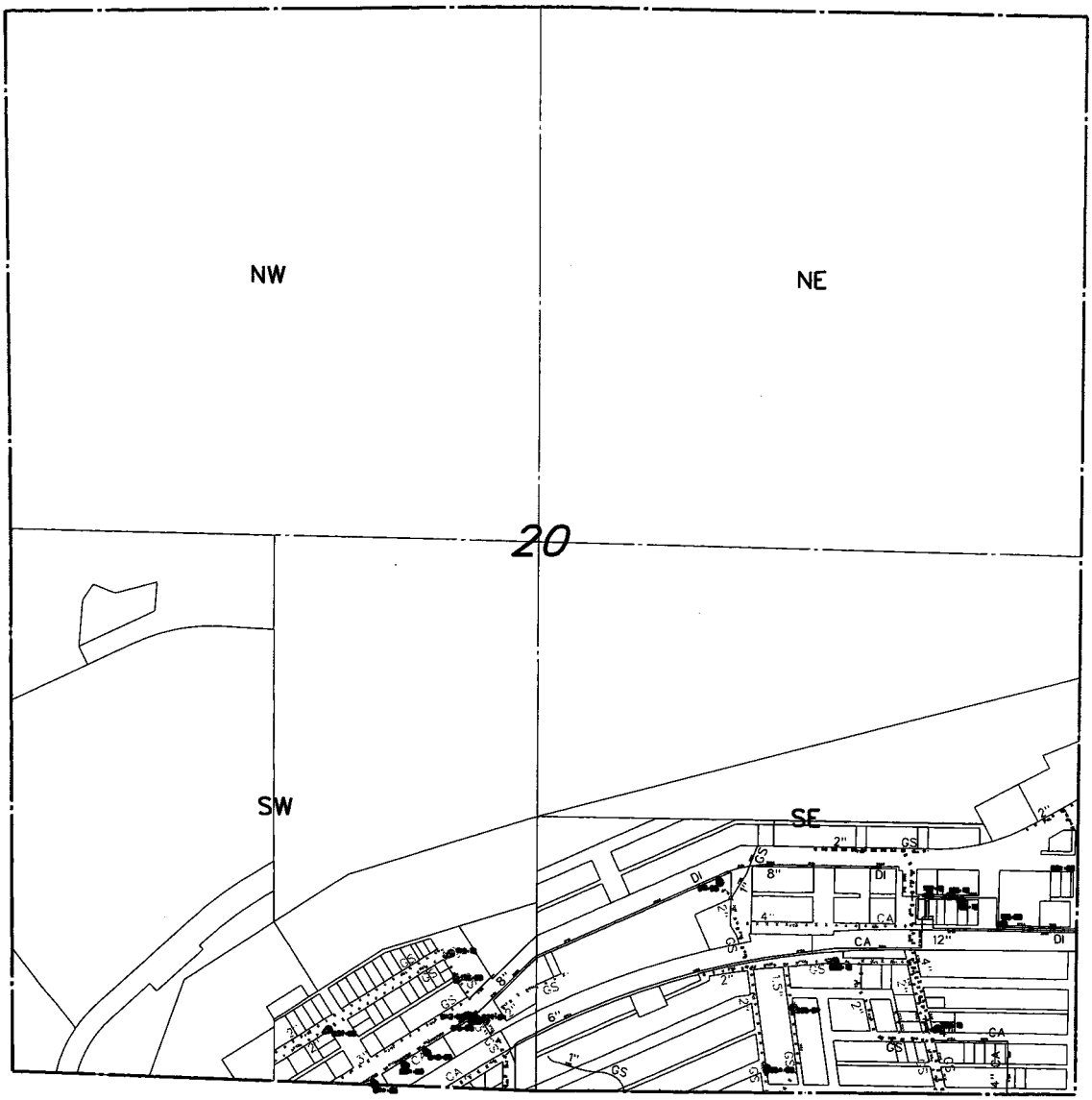
MAP ID NUMBER

MAP SS - MI 2

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"

- 1900-1909
- 1910-1919
- 1920-1929
- 1930-1939
- 1940-1949
- 1950-1959



ARIZONA WATER COMPANY

3805 N. BLACK CANYON HWY • POST OFFICE BOX 29006
PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-6860

SYSTEM	SUPERSTITION
LOCATION	SEC.20-T.1N.,R.15E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

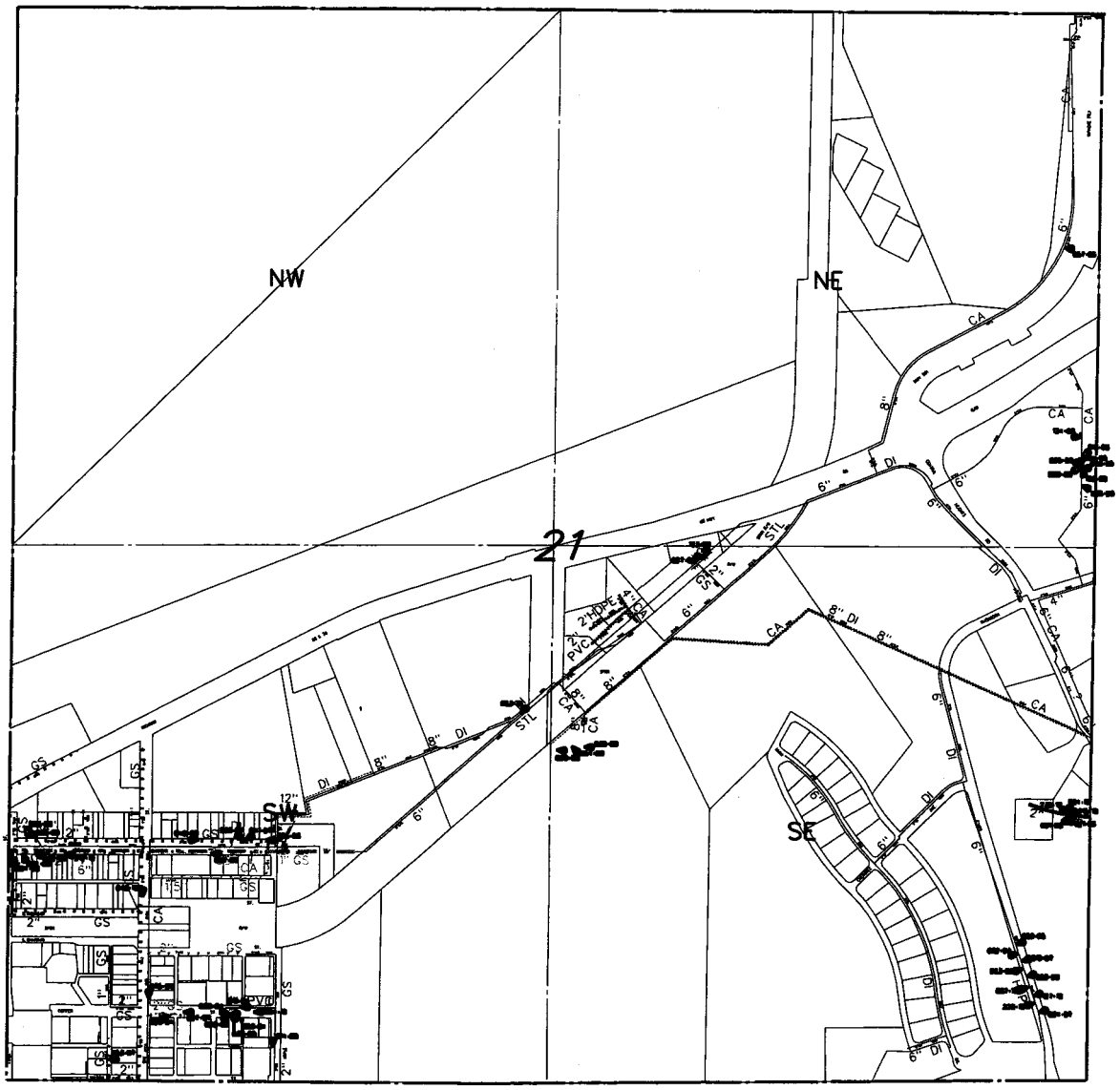
MAP ID NUMBER

MAP SS - MI 3

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 8"
- WATER MAIN SIZE ≥ 8"

1900-1909
1910-1919
1920-1929
1930-1939
1940-1949
1950-1959



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3805 N. BLACK CANYON HWY • POST OFFICE BOX 29006
PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-6860

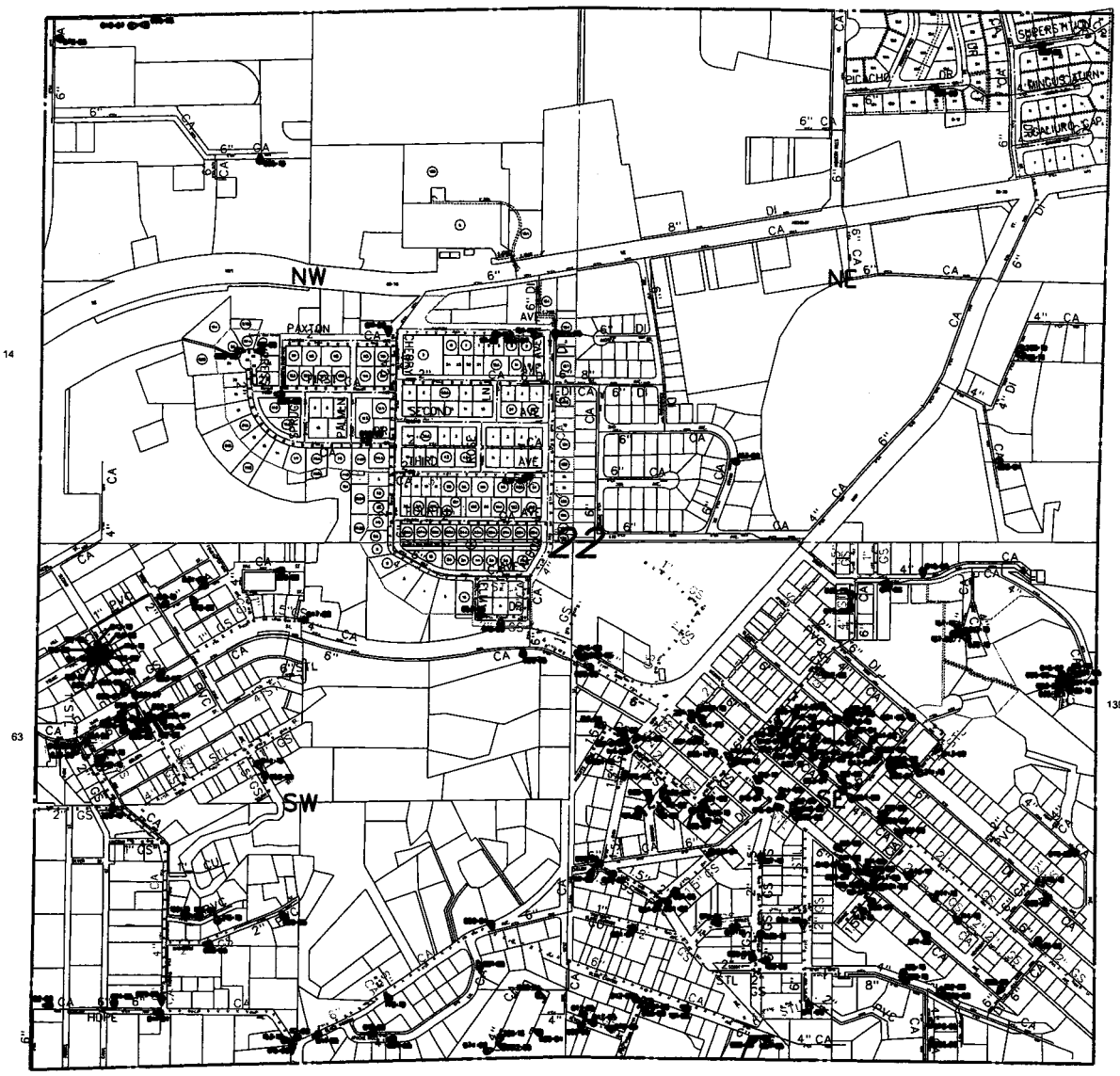
SYSTEM	SUPERSTITION
LOCATION	SEC.21-T.1N.,R.15E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

MAP ID NUMBER

MAP SS - MI 4

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"
- 1900-1909
- 1910-1919
- 1920-1929
- 1930-1939
- 1940-1949
- 1950-1959



ARIZONA WATER COMPANY

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PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-6860

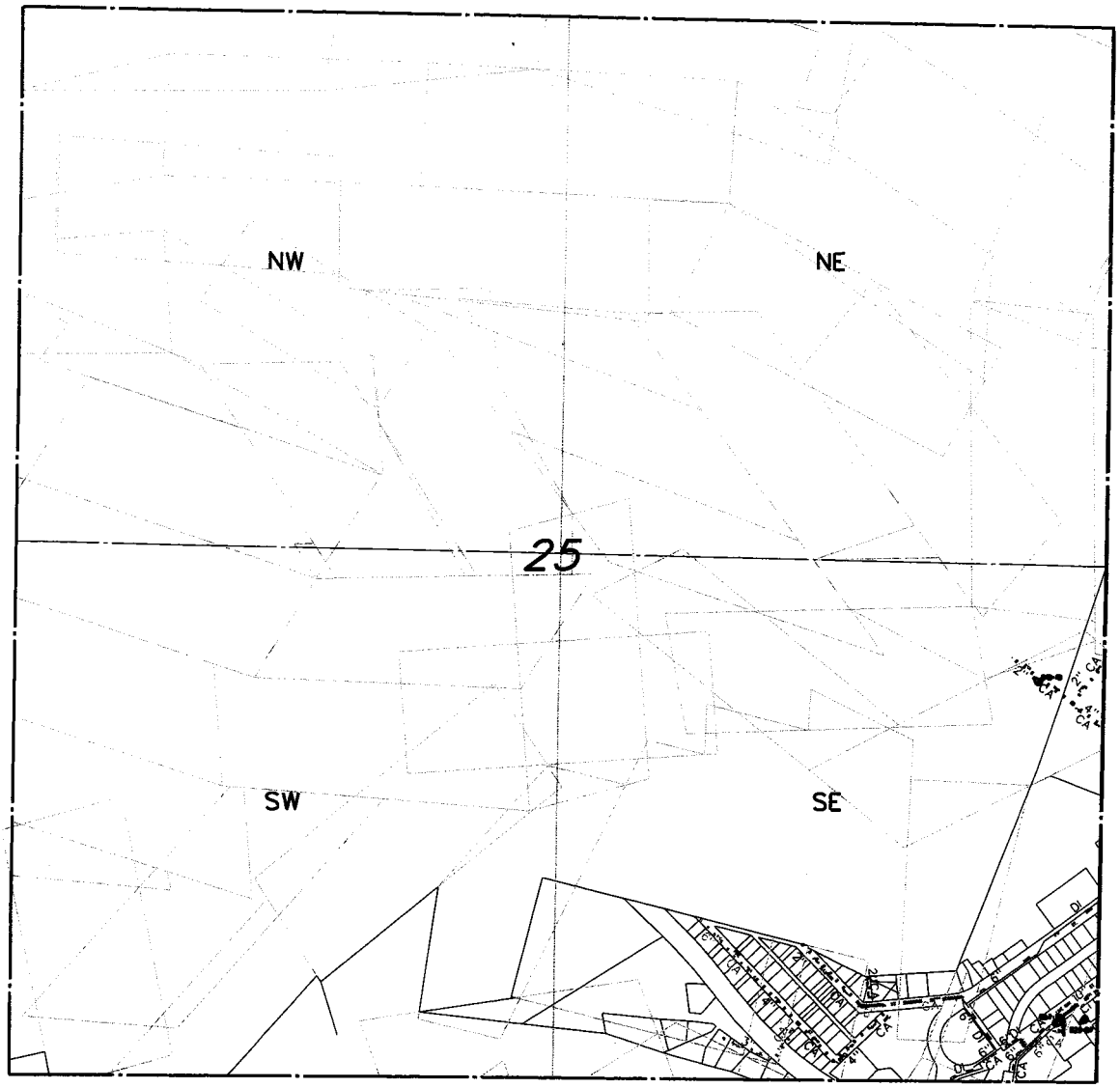
SYSTEM	SUPERSTITION
LOCATION	SEC.22-T.1N.,R.15E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

MAP ID NUMBER

MAP SS - MI 5

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"
- 1900-1909
- 1910-1919
- 1920-1929
- 1930-1939
- 1940-1949
- 1950-1959



ARIZONA WATER COMPANY

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(602) 240-6860

SYSTEM	SUPERSTITION
LOCATION	SEC.25-T.1N.,R.14E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

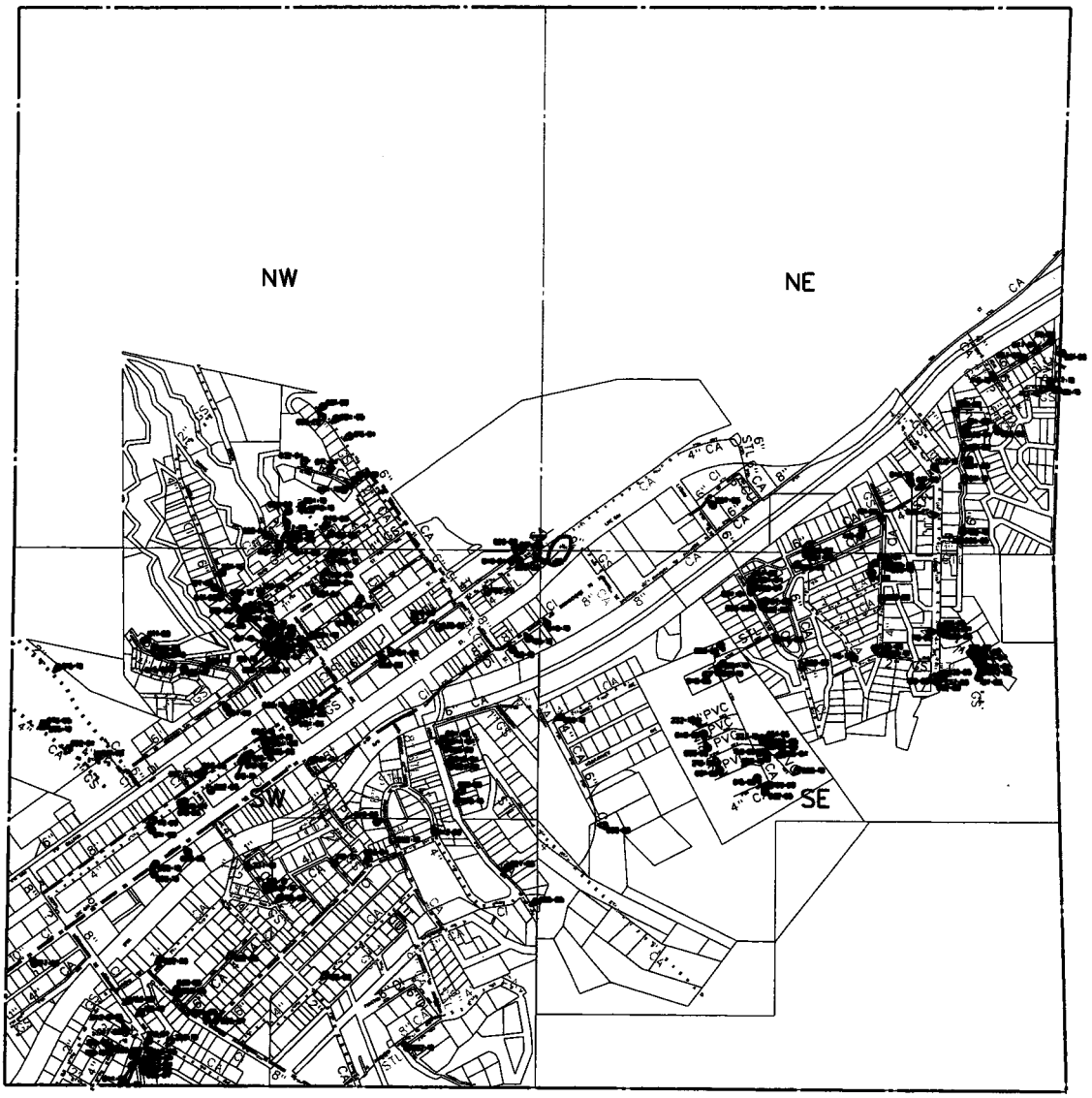
MAP ID NUMBER

MAP SS - MI 6

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"

1900-1909
1910-1919
1920-1929
1930-1939
1940-1949
1950-1959



ARIZONA WATER COMPANY

3805 N. BLACK CANYON HWY • POST OFFICE BOX 29006
PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-5860

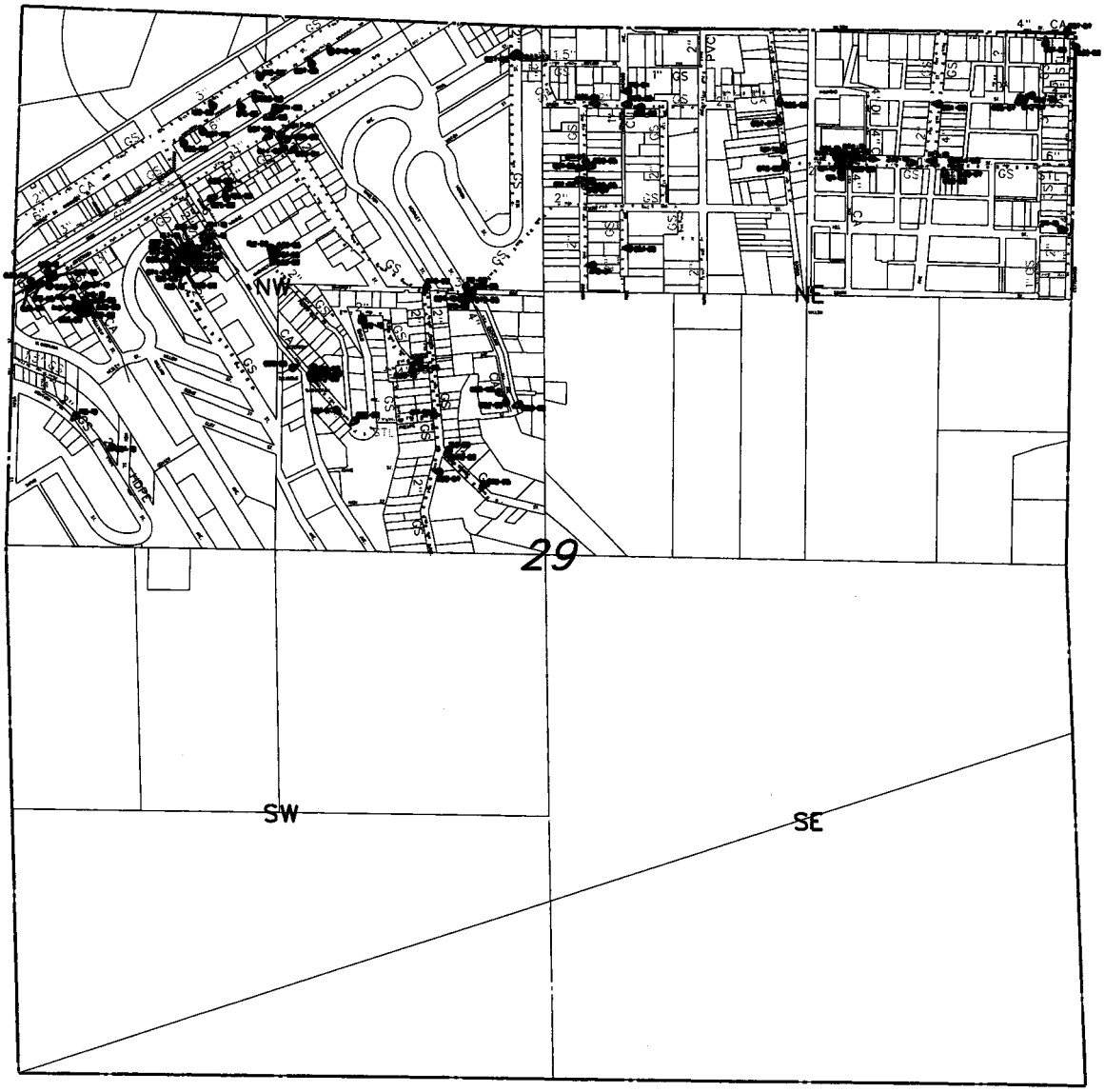
SYSTEM	SUPERSTITION
LOCATION	SEC.30-T.1N.,R.15E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

MAP ID NUMBER

MAP SS - MI 7

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 8"
- 1900-1909
- 1910-1919
- 1920-1929
- 1930-1939
- 1940-1949
- 1950-1959



ARIZONA WATER COMPANY

3805 N. BLACK CANYON HWY • POST OFFICE BOX 29006
PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-5860

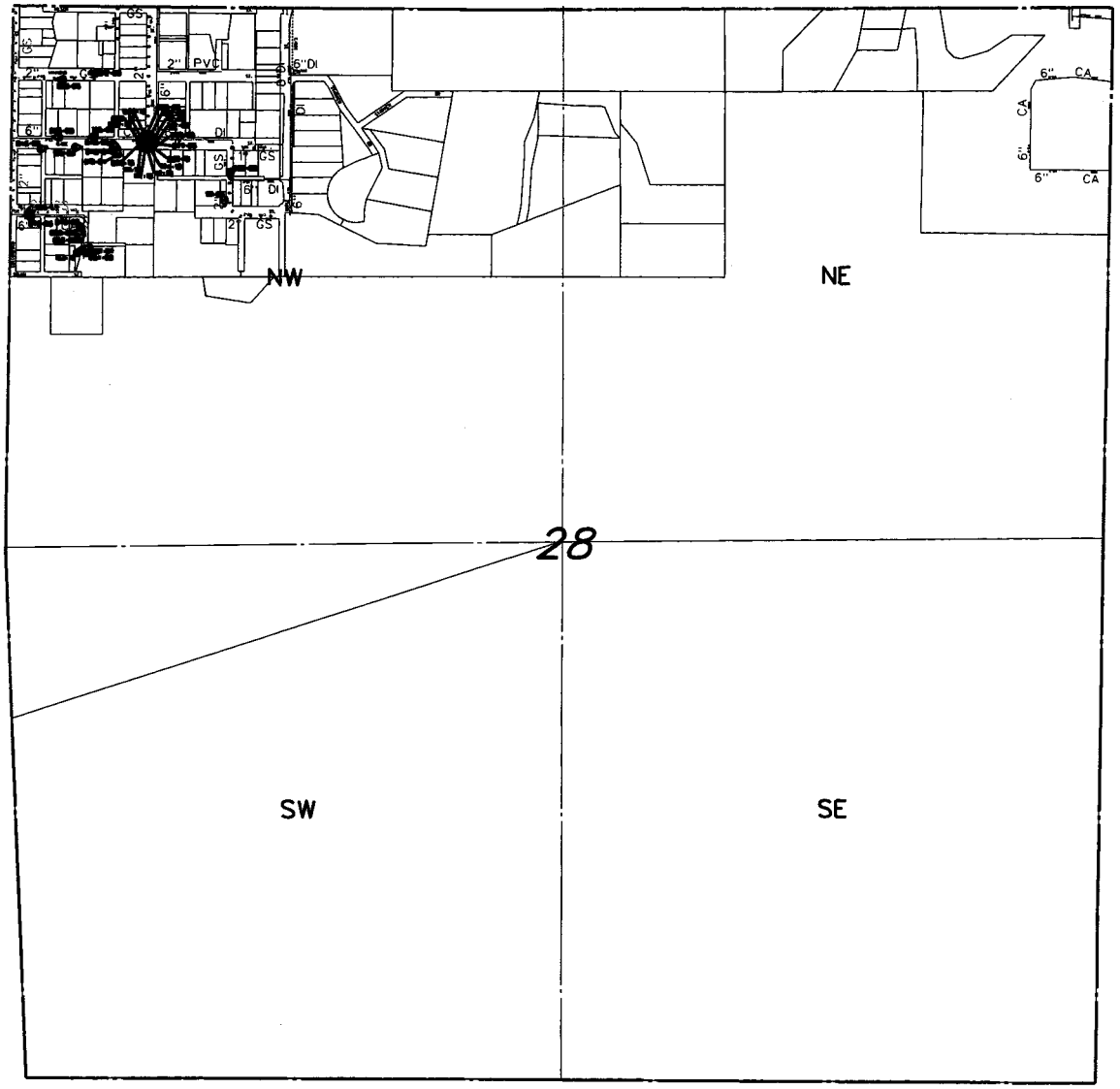
SYSTEM	SUPERSTITION
LOCATION	SEC.29-T.1N.,R.15E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

MAP ID NUMBER

MAP SS - MI 8

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"
- 1900-1909
- 1910-1919
- 1920-1929
- 1930-1939
- 1940-1949
- 1950-1959



ARIZONA WATER COMPANY

3805 N. BLACK CANYON HWY • POST OFFICE BOX 29006
PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-5860

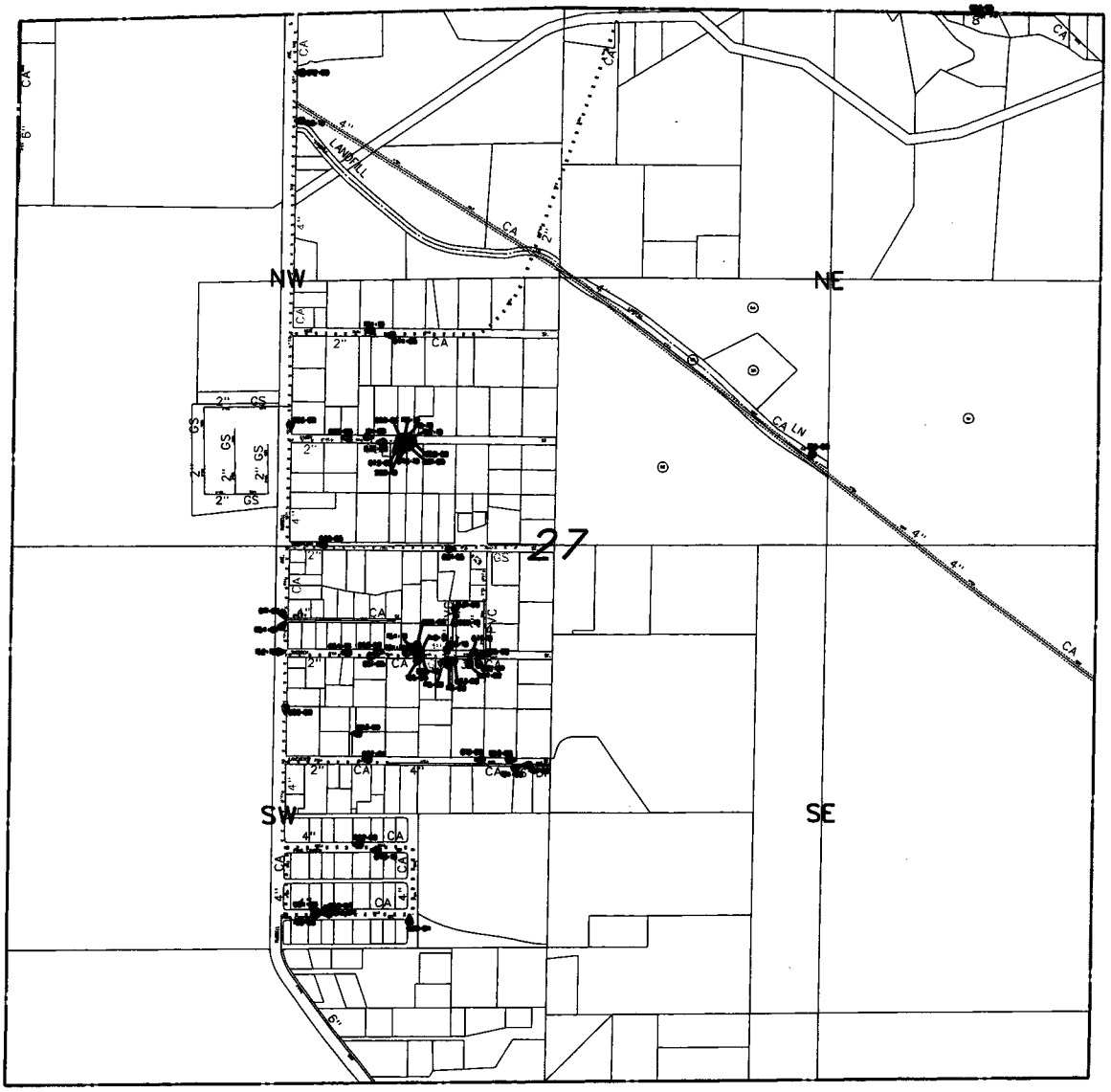
SYSTEM	SUPERSTITION
LOCATION	SEC.28-T.1N.,R.15E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

MAP ID NUMBER

MAP SS - MI 9

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"
- 1900-1909
- 1910-1919
- 1920-1929
- 1930-1939
- 1940-1949
- 1950-1959



ARIZONA WATER COMPANY

3805 N. BLACK CANYON HWY • POST OFFICE BOX 29006
PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-5850

SYSTEM	SUPERSTITION
LOCATION	SEC.27-T.1N.,R.15E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

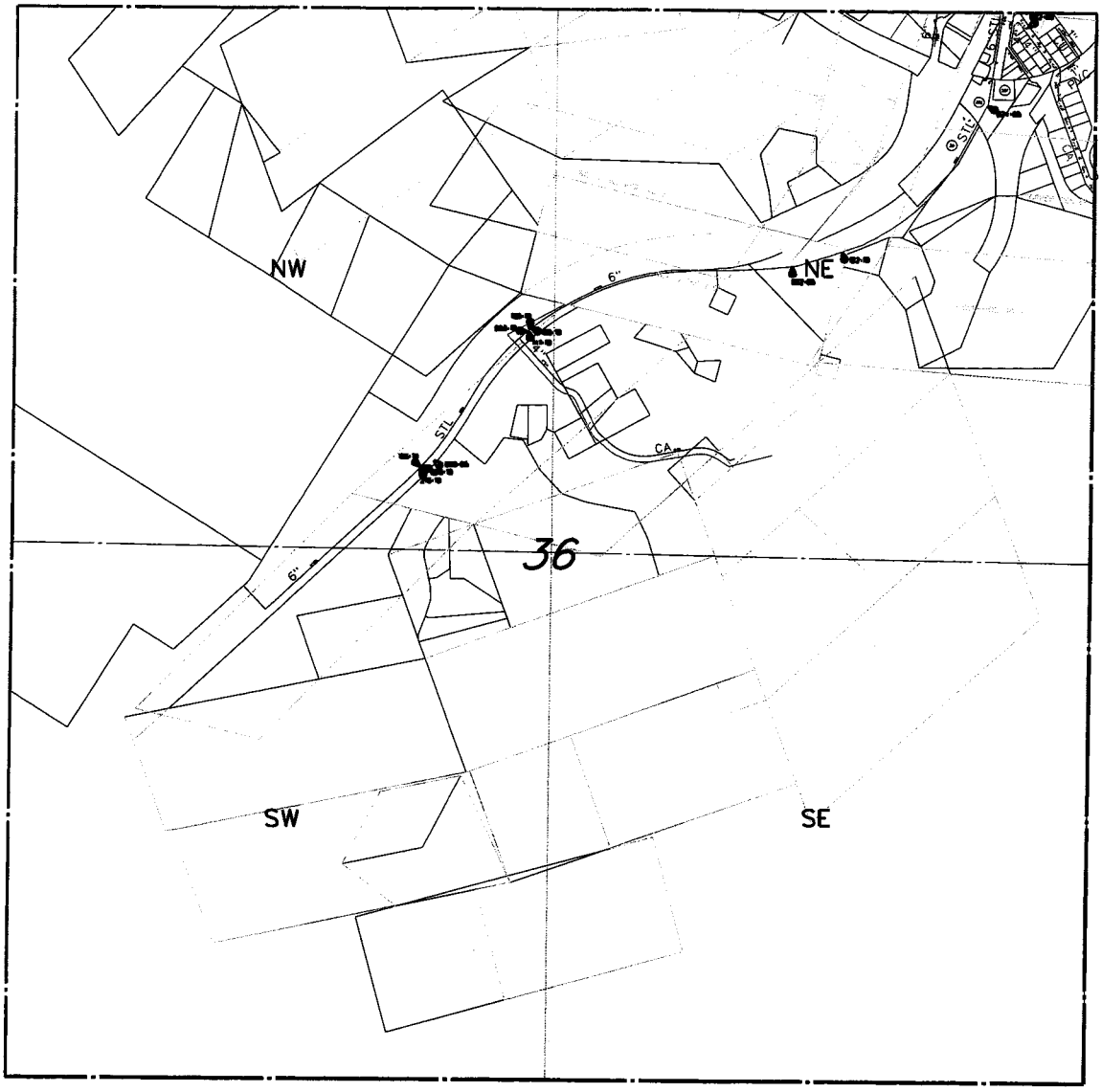
MAP ID NUMBER

MAP SS - MI 10

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 8"
- WATER MAIN SIZE ≥ 8"

1900-1909
1910-1919
1920-1929
1930-1939
1940-1949
1950-1959



ARIZONA WATER COMPANY

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PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-5860

SYSTEM	SUPERSTITION
LOCATION	SEC.36-T.1N.,R.14E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

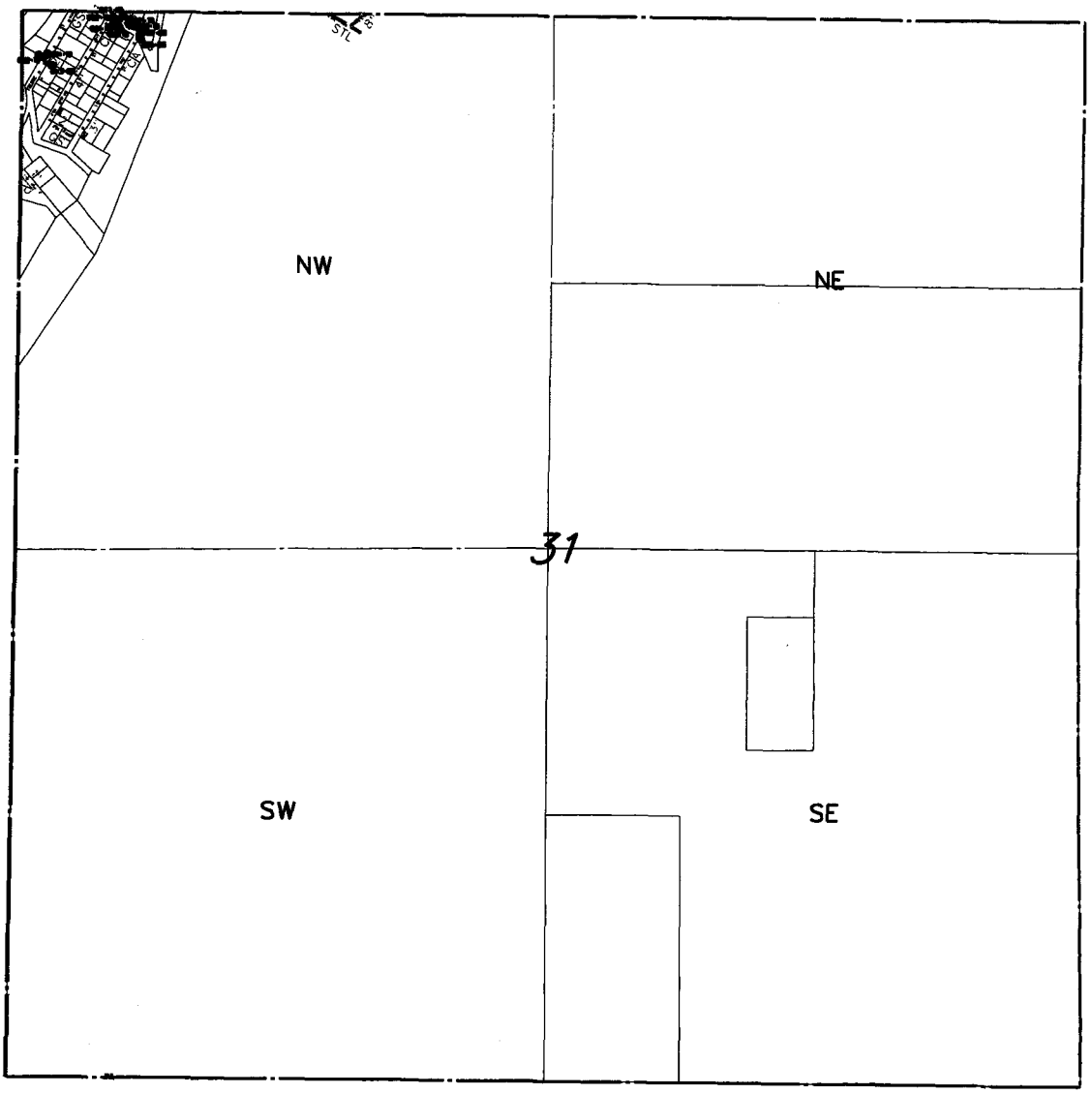
MAP ID NUMBER

MAP SS - MI 11

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"

1900-1909
1910-1919
1920-1929
1930-1939
1940-1949
1950-1959



ARIZONA WATER COMPANY

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PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-6860

SYSTEM	SUPERSTITION
LOCATION	SEC.31-T.1N.,R.15E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

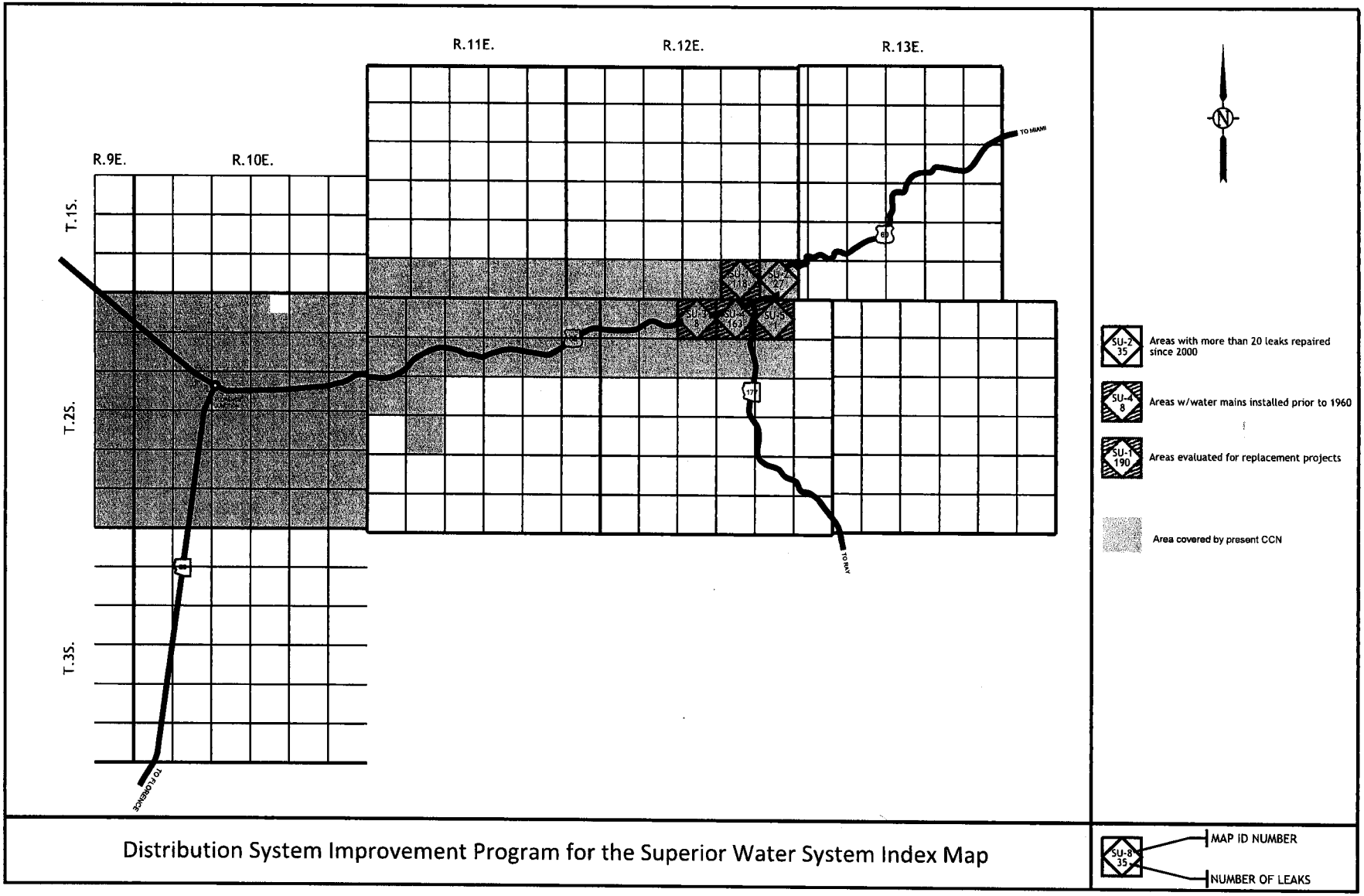
MAP ID NUMBER

MAP SS - MI 12

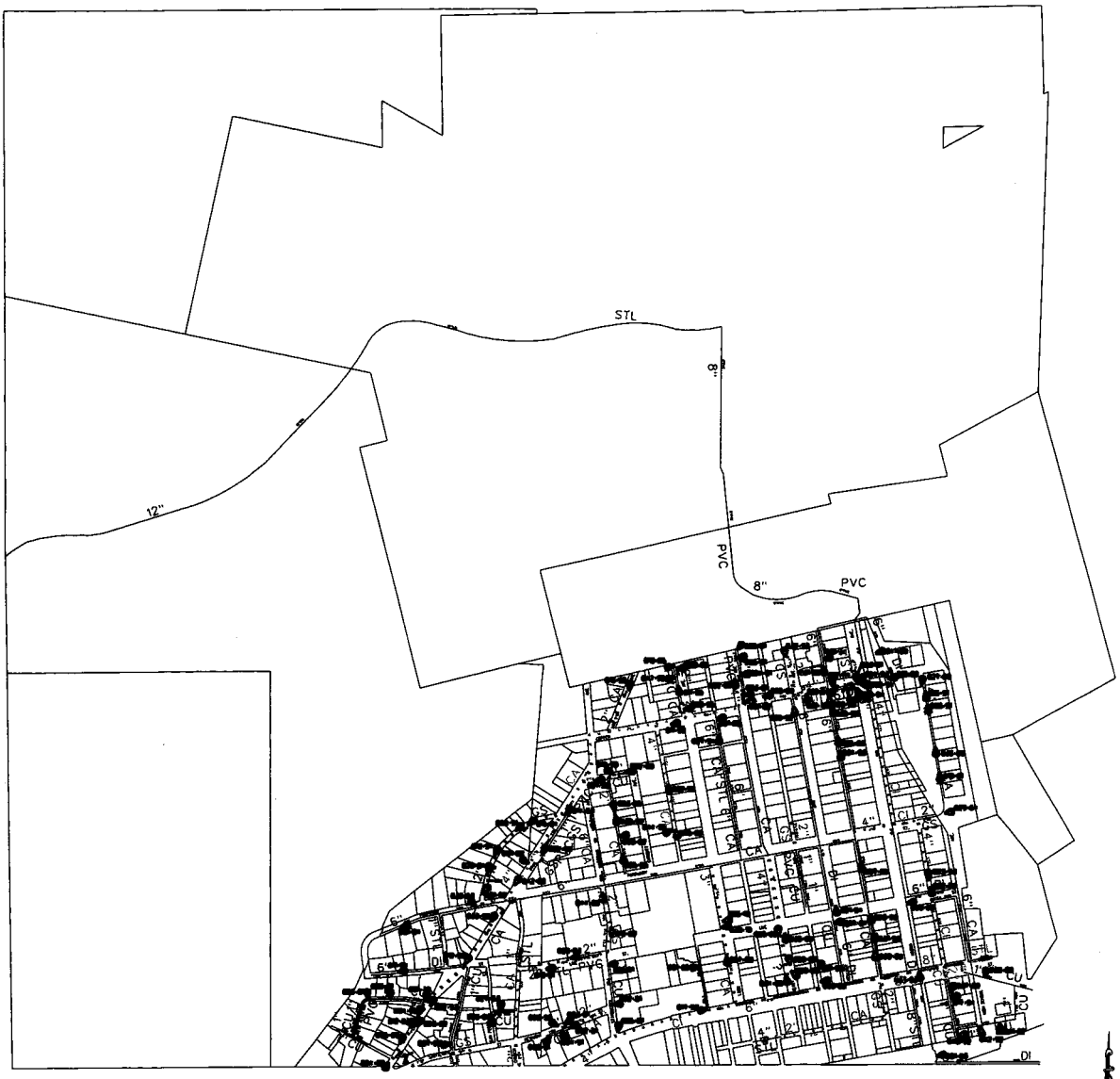
MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"

1900-1909
1910-1919
1920-1929
1930-1939
1940-1949
1950-1959



Distribution System Improvement Program for the Superior Water System Index Map



ARIZONA WATER COMPANY

3805 N. BLACK CANYON HWY • POST OFFICE BOX 29006
PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-5868

SYSTEM	SUPERIOR
LOCATION	SEC.35-T.1S.,R.12E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

MAP ID NUMBER

MAP SS - SU 1

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"
- 1910-1919
- 1920-1929
- 1930-1939
- 1940-1949
- 1950-1959

ARIZONA WATER COMPANY

3805 N. BLACK CANYON HWY • POST OFFICE BOX 29006
PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-5860

SYSTEM	SUPERIOR
LOCATION	SEC.36-T.1S.,R.12E.
SCALE	1"=300'
DATE	7/15/2011
DRAWN BY	JS
APPROVED BY	AH/FS

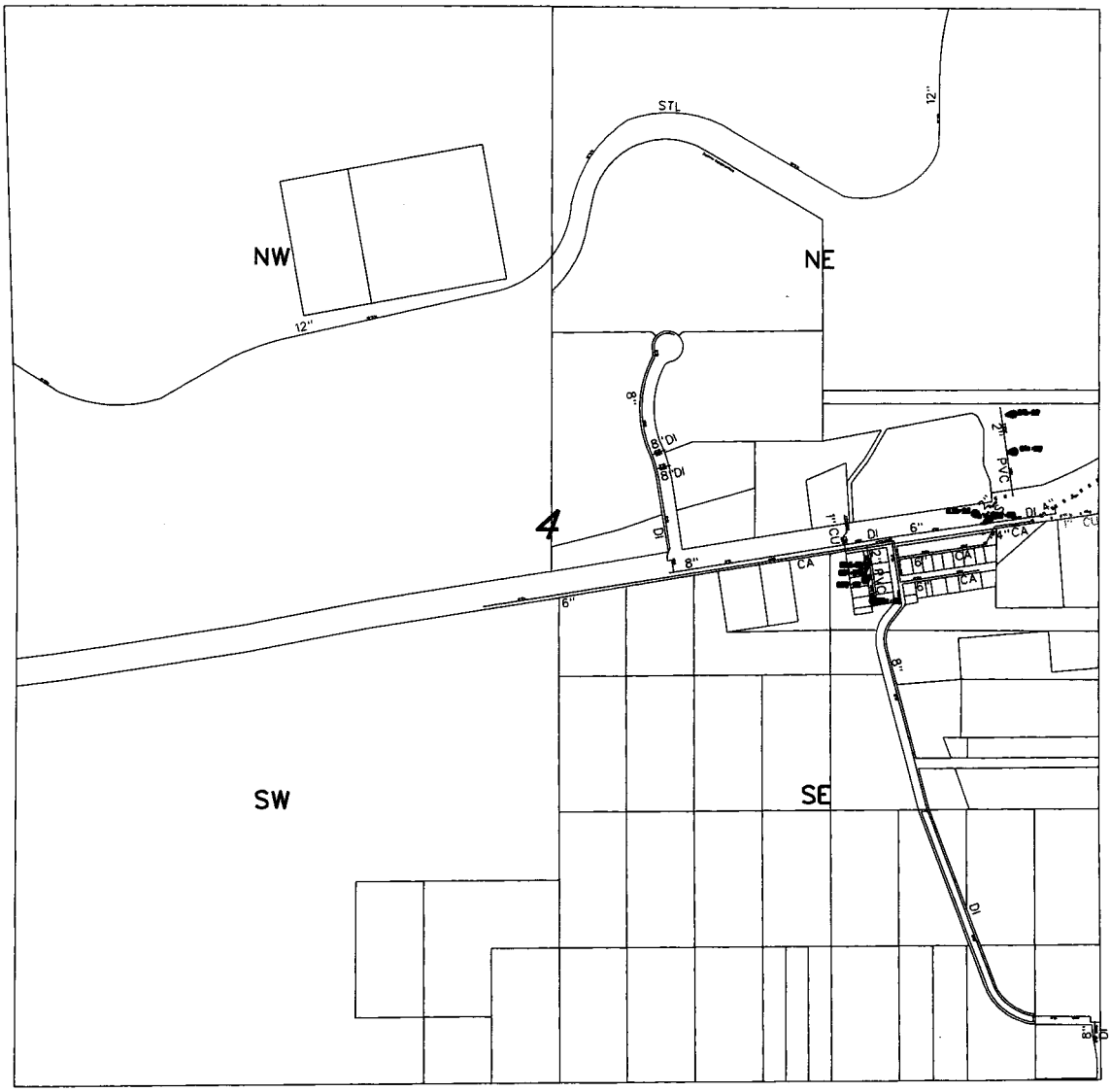
MAP ID NUMBER

MAP SS - SU 2

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"

1910-1919
1920-1929
1930-1939
1940-1949
1950-1959



ARIZONA WATER COMPANY

3805 N. BLACK CANYON HWY • POST OFFICE BOX 29006
PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-6860

SYSTEM	SUPERIOR
LOCATION	SEC.4-T.2S.,R.12E.
SCALE:	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

MAP ID NUMBER

MAP SS - SU 3

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"
- 1910-1919
- 1920-1929
- 1930-1939
- 1940-1949
- 1950-1959

ARIZONA WATER COMPANY

3805 N. BLACK CANYON HWY • POST OFFICE BOX 29006
PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-5860

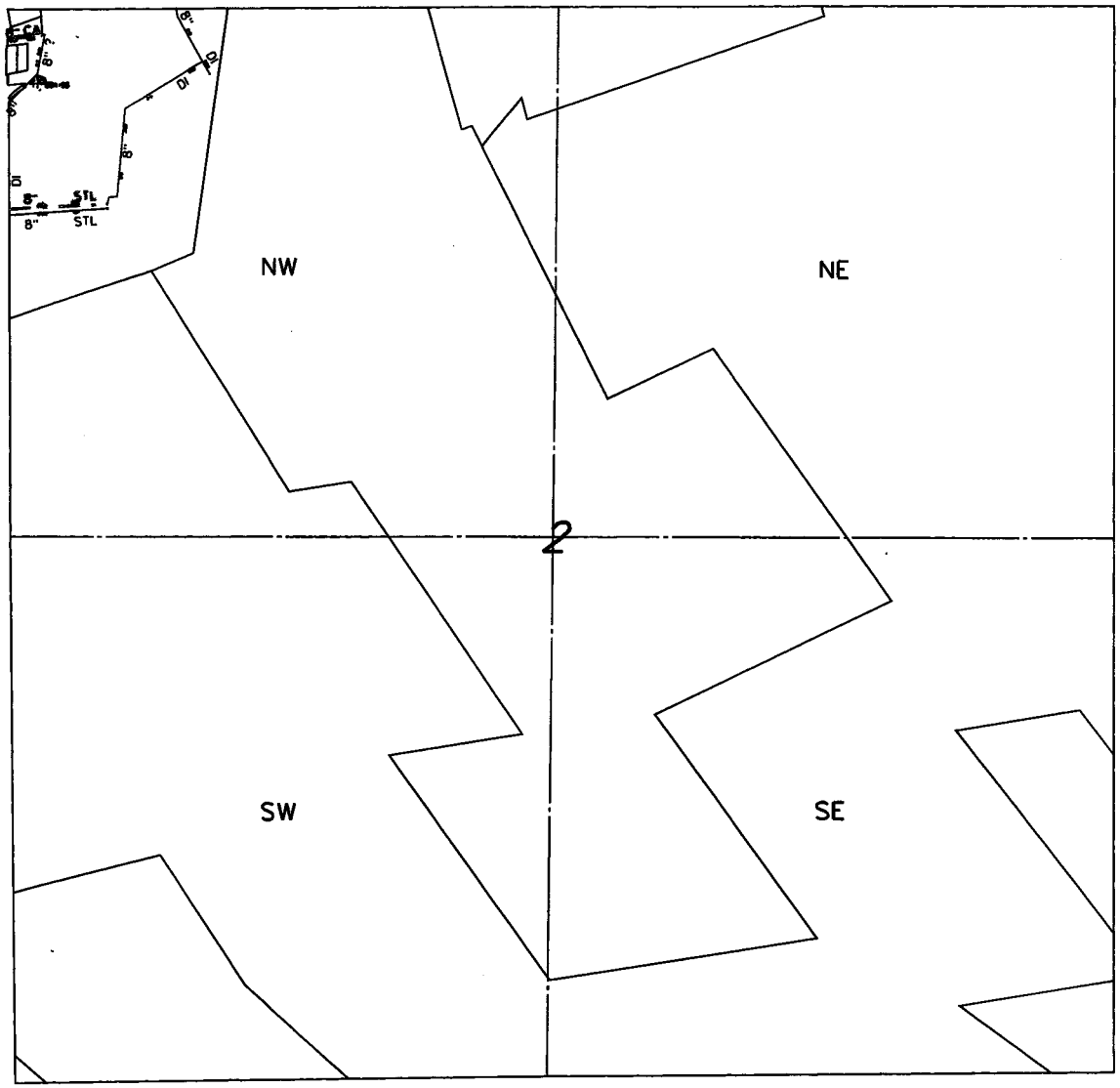
SYSTEM	SUPERIOR
LOCATION	SEC.3-T.2S.,R.12E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

MAP ID NUMBER

MAP SS - SU 4

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"
- 1910-1919
- 1920-1929
- 1930-1939
- 1940-1949
- 1950-1959



ARIZONA WATER COMPANY

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PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-6860

SYSTEM	SUPERIOR
LOCATION	SEC.2-T.2S.,R.12E.
SCALE	1"=300'
DATE	7/15/2011
DRAWN BY	JS
APPROVED BY	AH/FS

MAP ID NUMBER

MAP SS - SU 5

MAP LEGEND

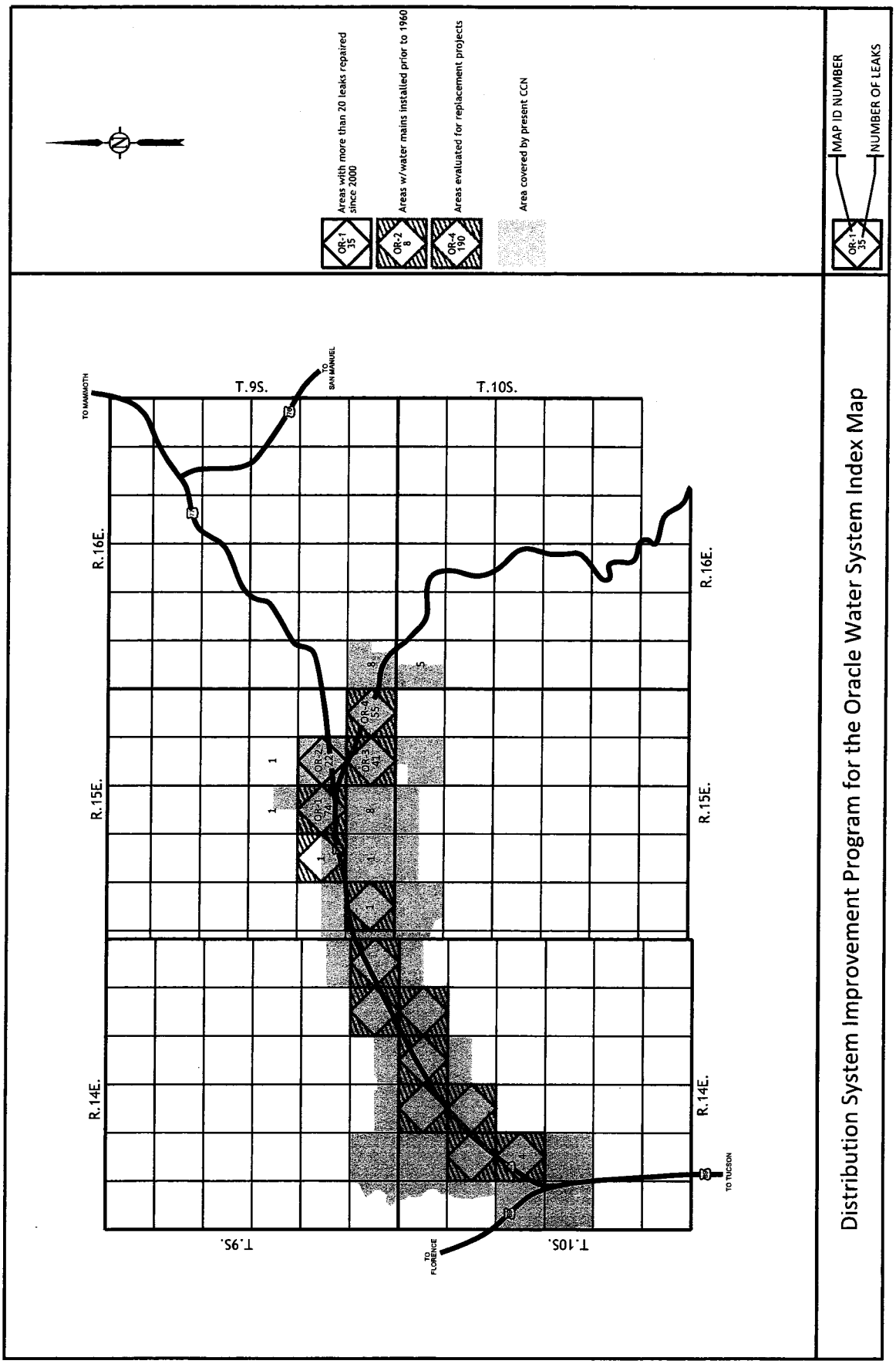
- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"
- 1910-1919
- 1920-1929
- 1930-1939
- 1940-1949
- 1950-1959

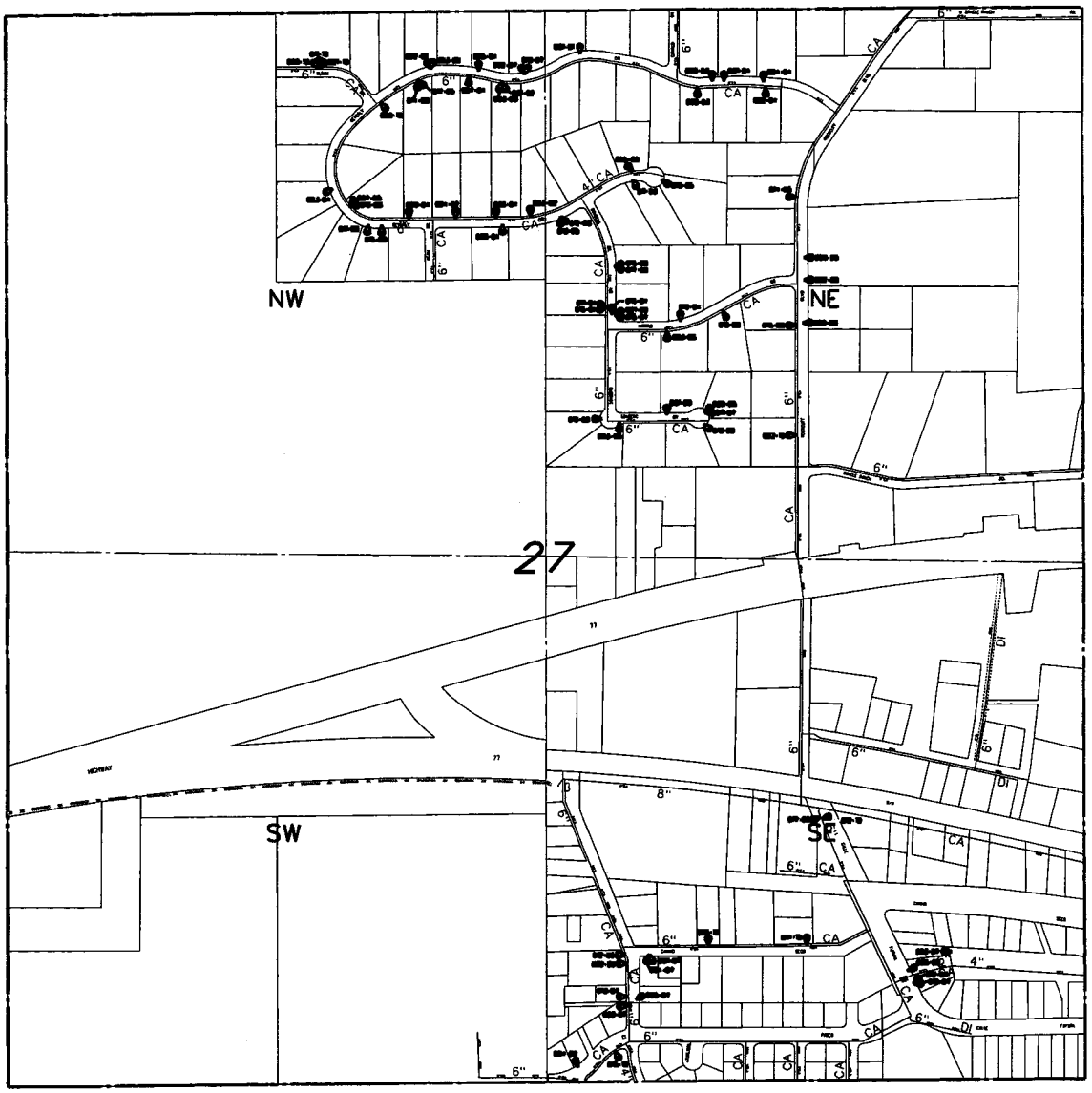
APPENDIX

9.2.2

Leak and Break Repair Maps

Oracle water system


Areas with more than 20 leaks repaired since 2000
Areas w/water mains installed prior to 1960
Areas evaluated for replacement projects
Area covered by present CCN
MAP ID NUMBER
NUMBER OF LEAKS
OR-1 35
OR-2 8
OR-4 190
T.9S.
T.10S.
R.14E.
R.15E.
R.16E.
TO MAMMOTH
TO SAN MANUEL
TO TUCSON
TO FLORENCE
OR-2 72
OR-1 41
OR-4 55
Distribution System Improvement Program for the Oracle Water System Index Map



ARIZONA WATER COMPANY

3805 N. BLACK CANYON HWY • POST OFFICE BOX 29006
PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-6868

SYSTEM	ORACLE
LOCATION	SEC.27-T.9S.,R.15E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

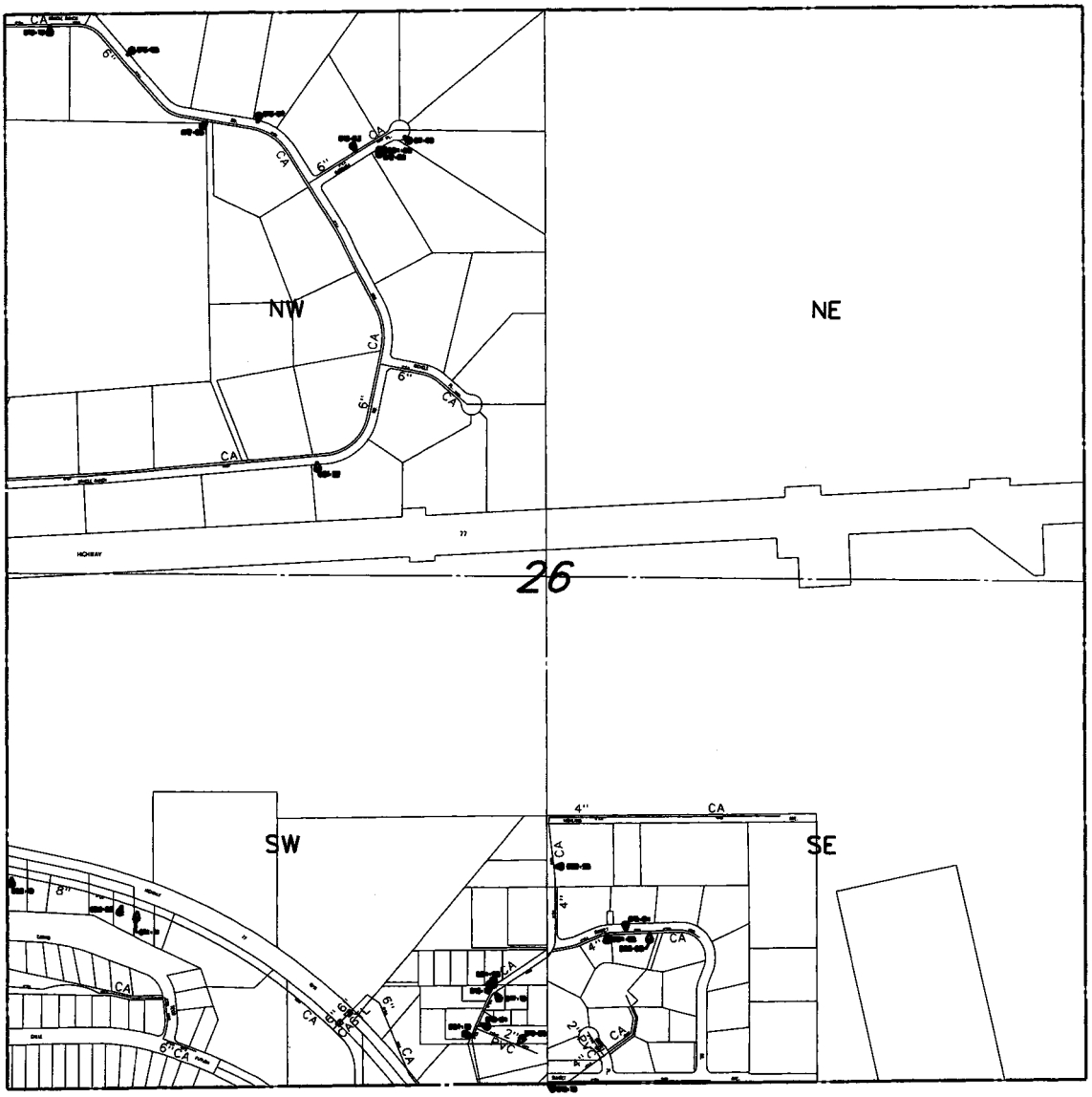
MAP ID NUMBER

MAP OR - 1

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"

- 1920-1929
- 1930-1939
- 1940-1949
- 1950-1959



ARIZONA WATER COMPANY

3805 N. BLACK CANYON HWY • POST OFFICE BOX 29006
PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-6860

SYSTEM	ORACLE
LOCATION	SEC.26-T 9S.,R.15E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

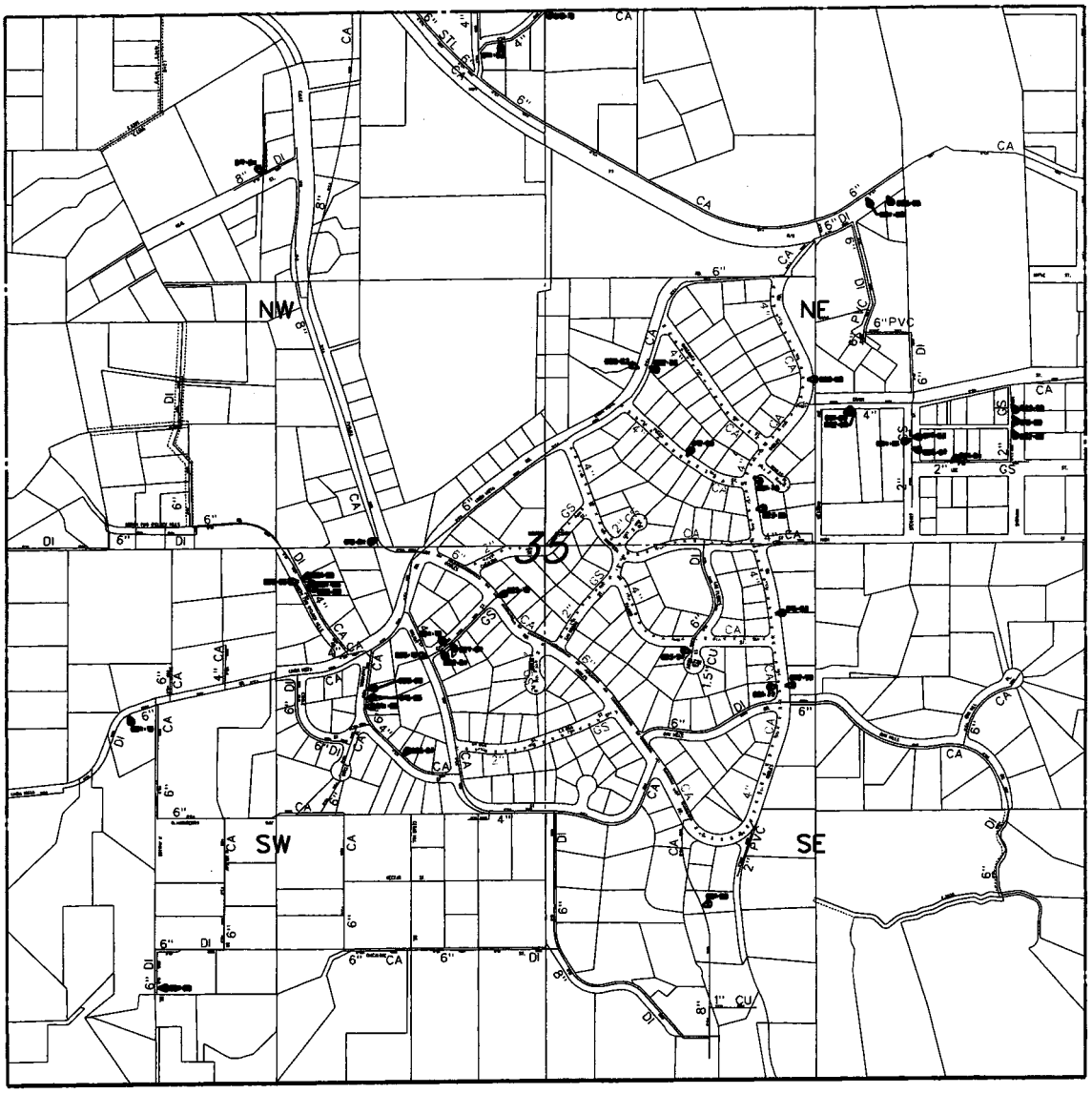
MAP ID NUMBER

MAP OR - 2

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"

1920-1929
1930-1939
1940-1949
1950-1959



ARIZONA WATER COMPANY

3805 N. BLACK CANYON HWY • POST OFFICE BOX 29006
PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-6860

SYSTEM	ORACLE
LOCATION	SEC.35-T.9S.,R.15E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

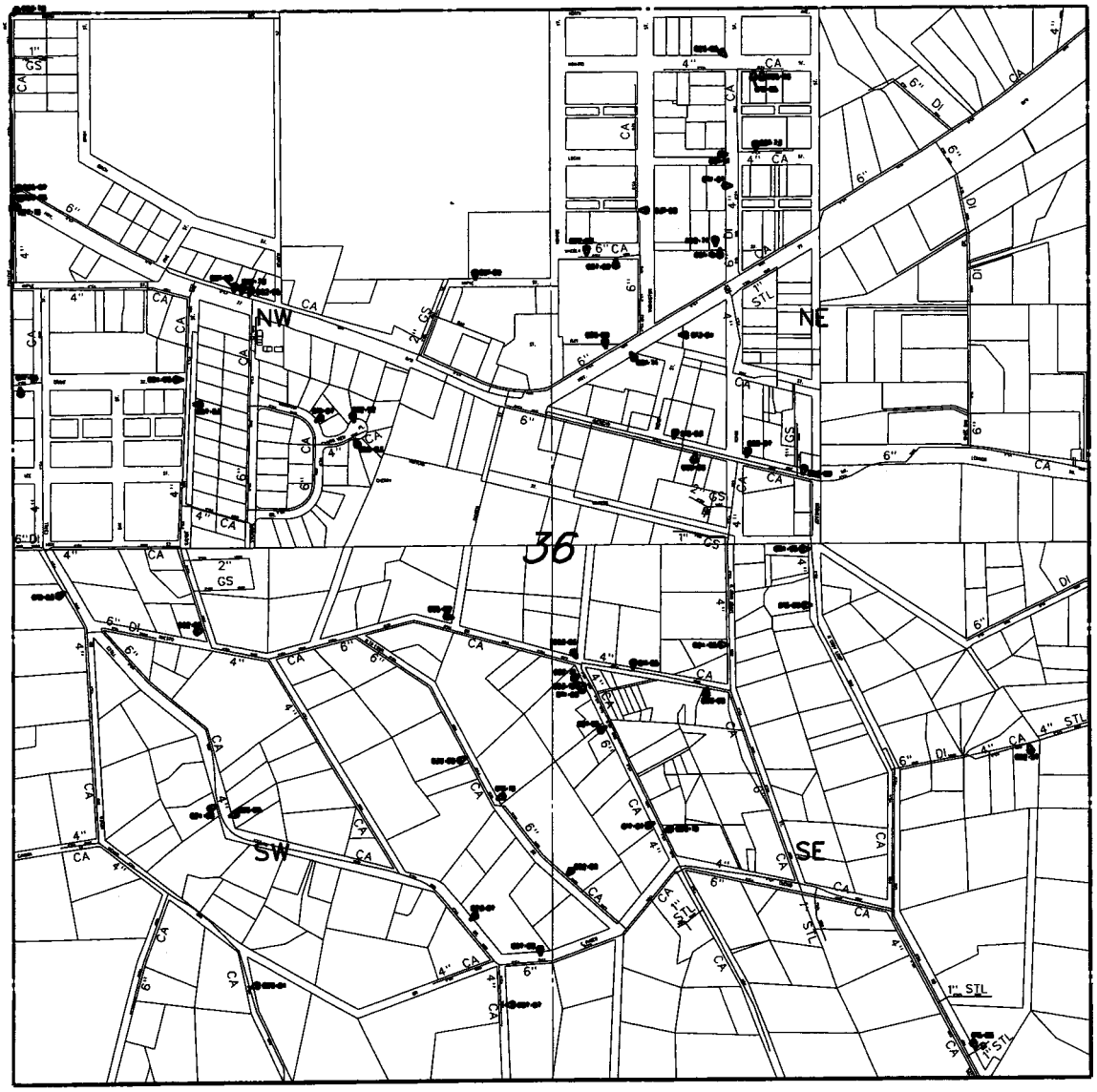
MAP ID NUMBER

MAP OR - 3

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"

1920-1929
1930-1939
1940-1949
1950-1959



ARIZONA WATER COMPANY

3805 N. BLACK CANYON HWY • POST OFFICE BOX 29006
PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-6860

SYSTEM	ORACLE
LOCATION	SEC.36-T.9S.,R.15E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

MAP ID NUMBER

MAP OR - 4

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"

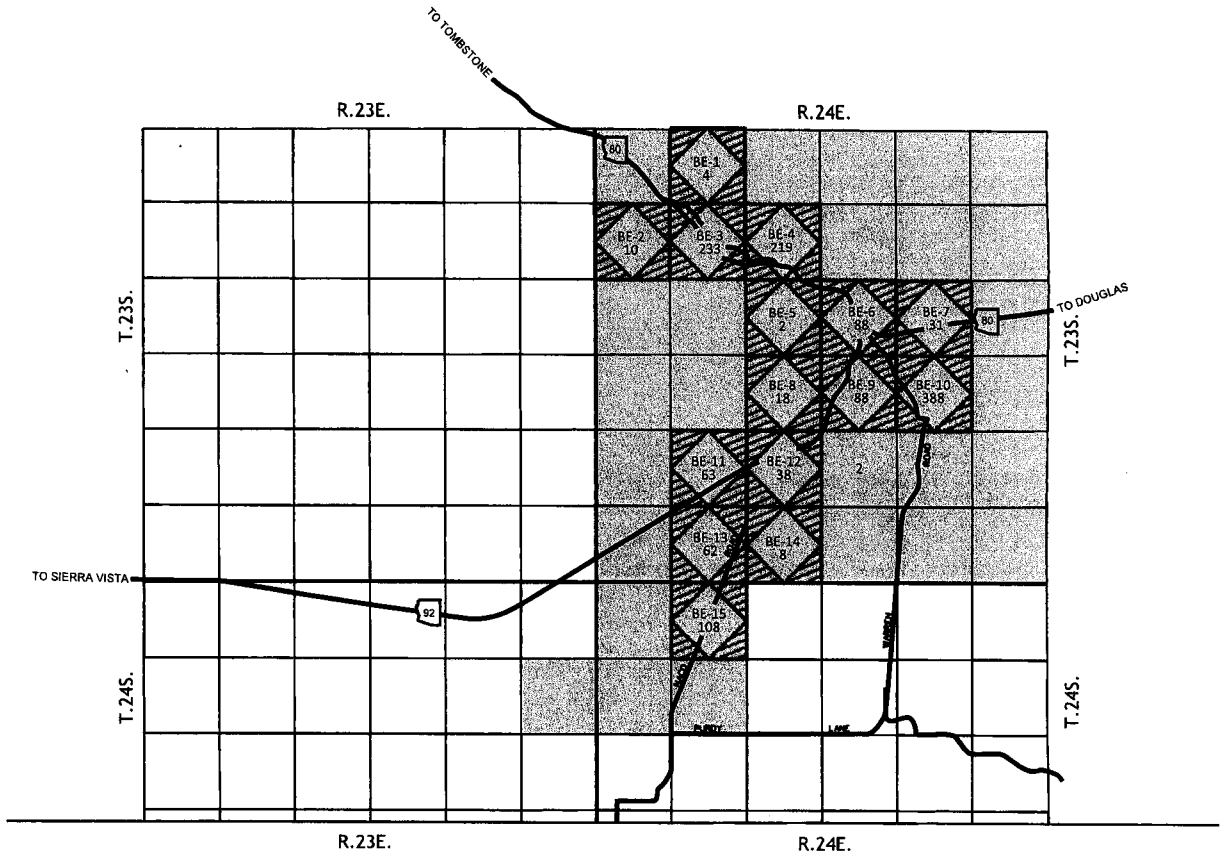
1920-1929
1930-1939
1940-1949
1950-1959

APPENDIX

9.2.3

Leak and Break Repair Maps

Bisbee water system



N

BE-1 35 — Areas with more than 20 leaks repaired since 2000

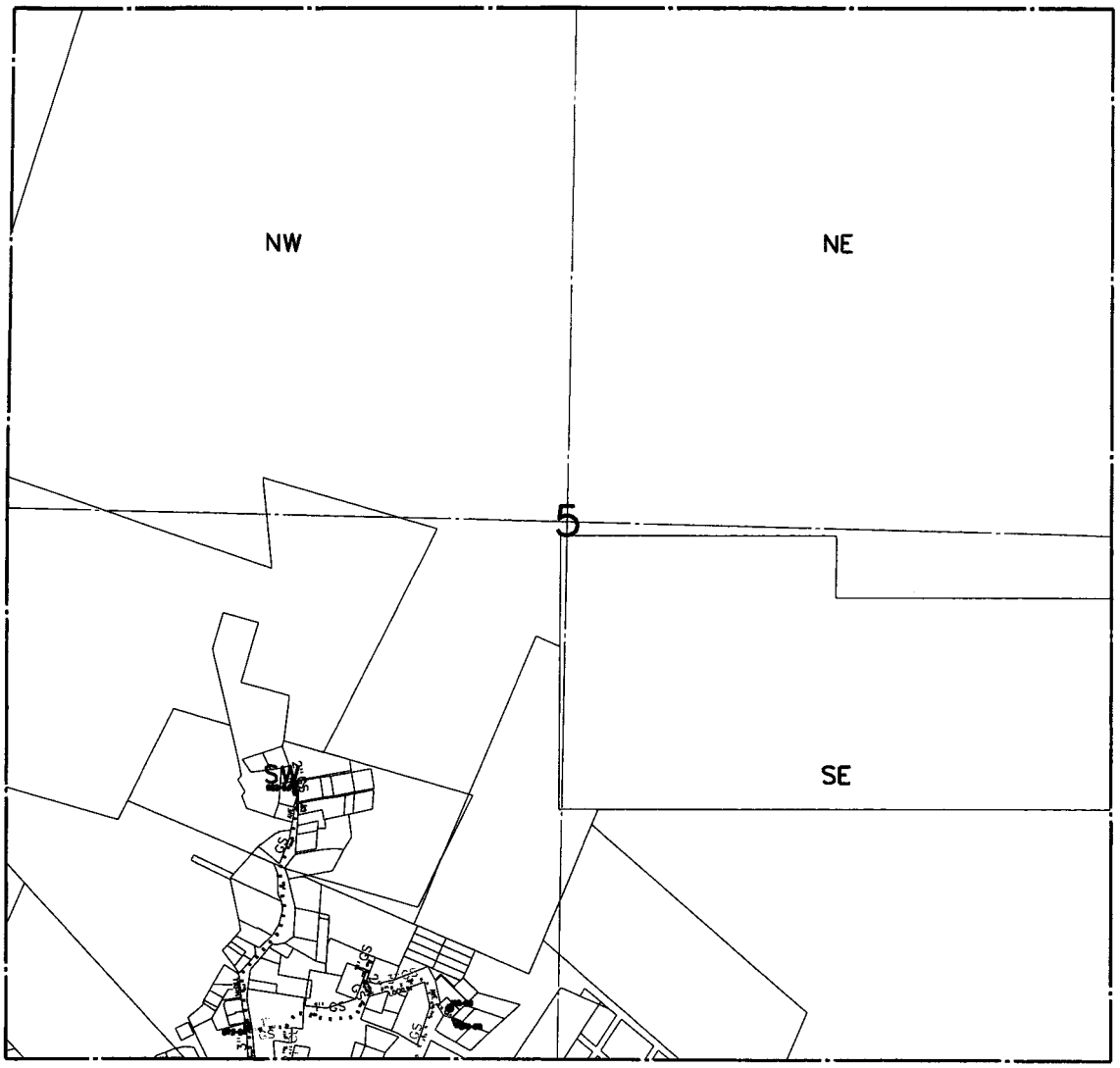
BE-12 8 — Areas w/water mains installed prior to 1960

BE-4 190 — Areas evaluated for replacement projects

Area covered by present CCN

BE-1 35 — MAP ID NUMBER / NUMBER OF LEAKS

Distribution System Improvement Program for the Bisbee Water System Index Map



ARIZONA WATER COMPANY

3805 N. BLACK CANYON HWY • POST OFFICE BOX 29006
PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-6860

SYSTEM	COCHISE
LOCATION	SEC.5-T.23S.,R.24E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

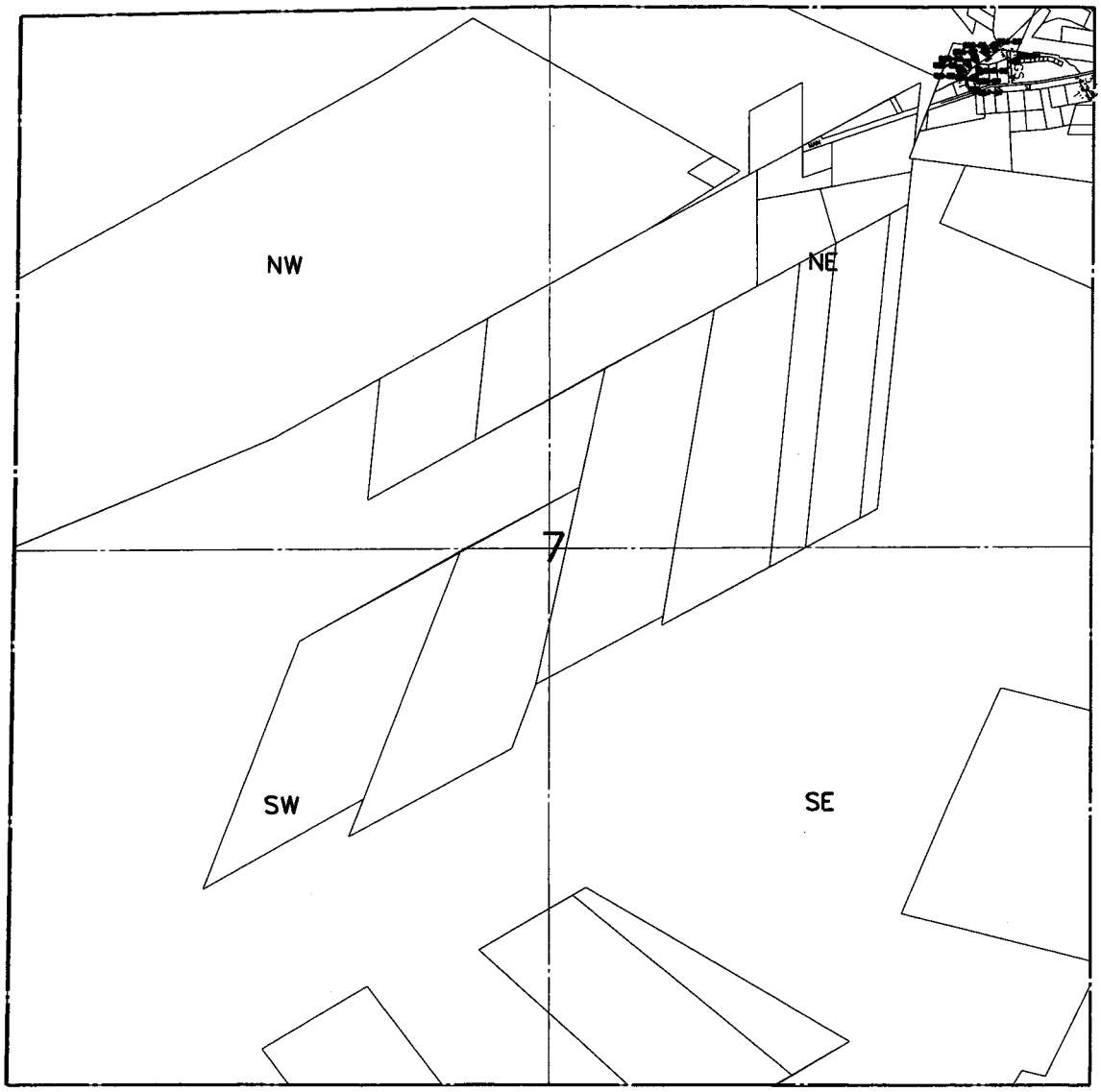
MAP ID NUMBER

MAP CC - BE 1

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"

1900-1909
1910-1919
1920-1929
1930-1939
1940-1949
1950-1959



ARIZONA WATER COMPANY

3805 N. BLACK CANYON HWY • POST OFFICE BOX 29006
PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-5860

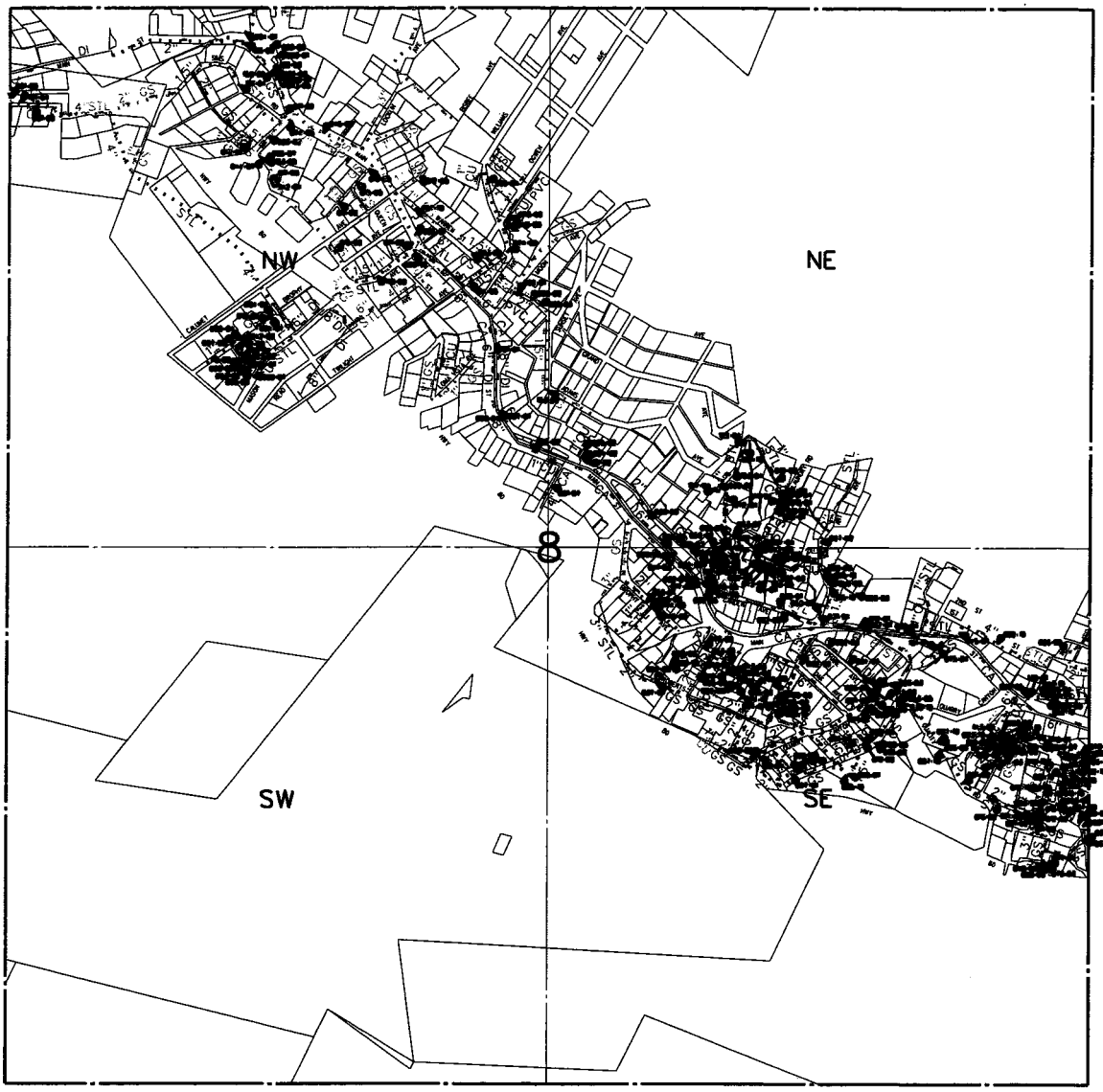
SYSTEM	COCHISE
LOCATION	SEC.7-T.23S.,R.24E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

MAP ID NUMBER

MAP CC - BE 2

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"
- 1900-1909
- 1910-1919
- 1920-1929
- 1930-1939
- 1940-1949
- 1950-1959



ARIZONA WATER COMPANY

3805 N. BLACK CANYON HWY • POST OFFICE BOX 29006
PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-6860

SYSTEM	COCHISE
LOCATION	SEC.8-T.23S.,R.24E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

MAP ID NUMBER

MAP CC - BE 3

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"

1900-1909
1910-1919
1920-1929
1930-1939
1940-1949
1950-1959

ARIZONA WATER COMPANY

3805 N. BLACK CANYON HWY • POST OFFICE BOX 29006
PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-6860

SYSTEM	COCHISE
LOCATION	SEC.9-T.23S.,R.24E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

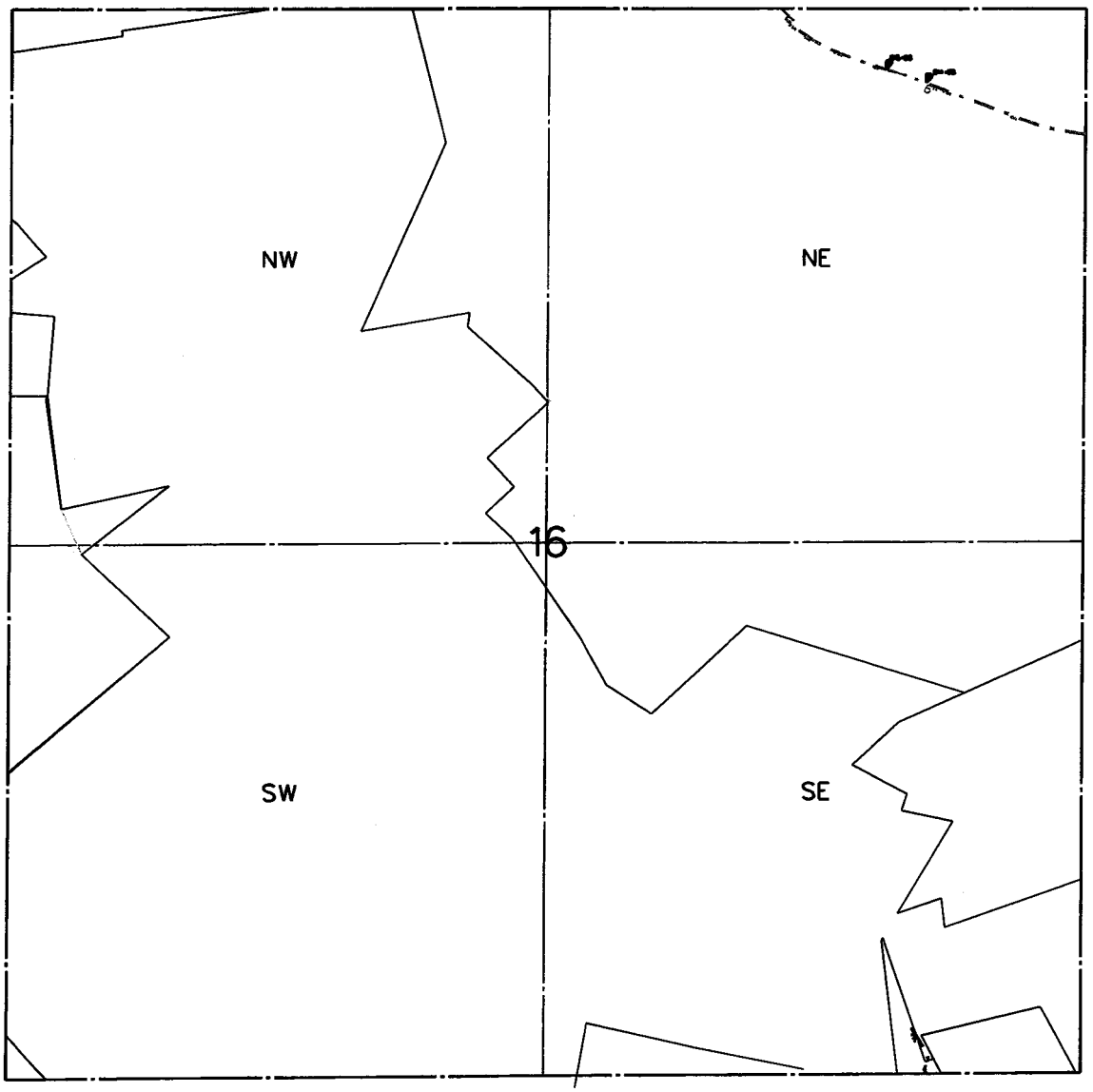
MAP ID NUMBER

MAP CC - BE 4

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"

- 1900-1909
- 1910-1919
- 1920-1929
- 1930-1939
- 1940-1949
- 1950-1959



ARIZONA WATER COMPANY

3805 N. BLACK CANYON HWY • POST OFFICE BOX 29006
PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-6860

SYSTEM	BISBEE
LOCATION	SEC.16-T.23S.,R.24E.
SCALE:	1"=300'
DATE	7/15/2011
DRAWN BY	JS
APPROVED BY	AH/FS

MAP ID NUMBER

MAP BE-5

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"
- 1900-1909
- 1910-1919
- 1920-1929
- 1930-1939
- 1940-1949
- 1950-1959

ARIZONA WATER COMPANY

3805 N. BLACK CANYON HWY • POST OFFICE BOX 29006
PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-6860

SYSTEM	COCHISE
LOCATION	SEC.15-T.23S.,R.24E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

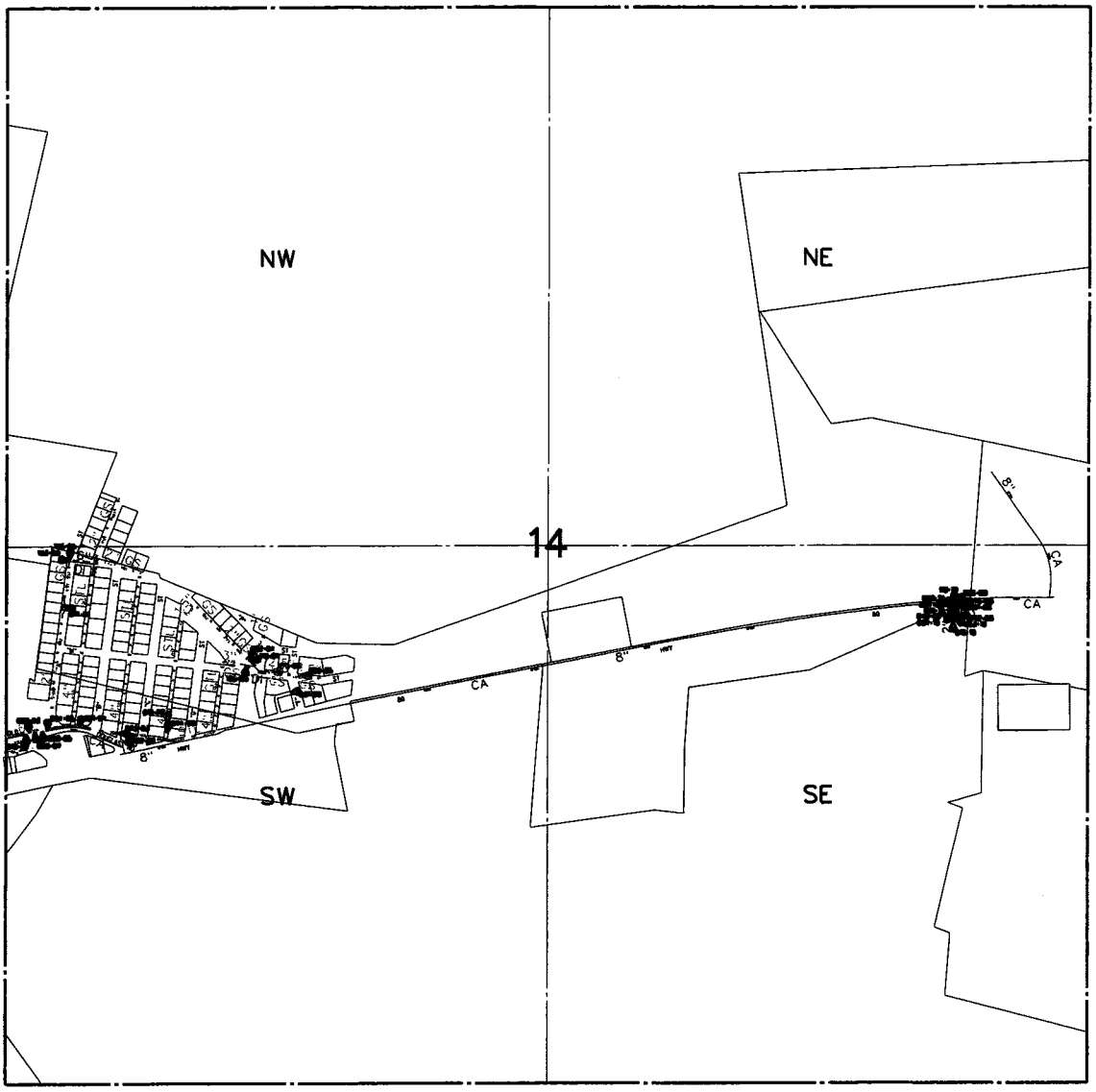
MAP ID NUMBER

MAP CC - BE 6

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 8"

1900-1909
1910-1919
1920-1929
1930-1939
1940-1949
1950-1959



ARIZONA WATER COMPANY

3805 N. BLACK CANYON HWY • POST OFFICE BOX 29006
PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-6860

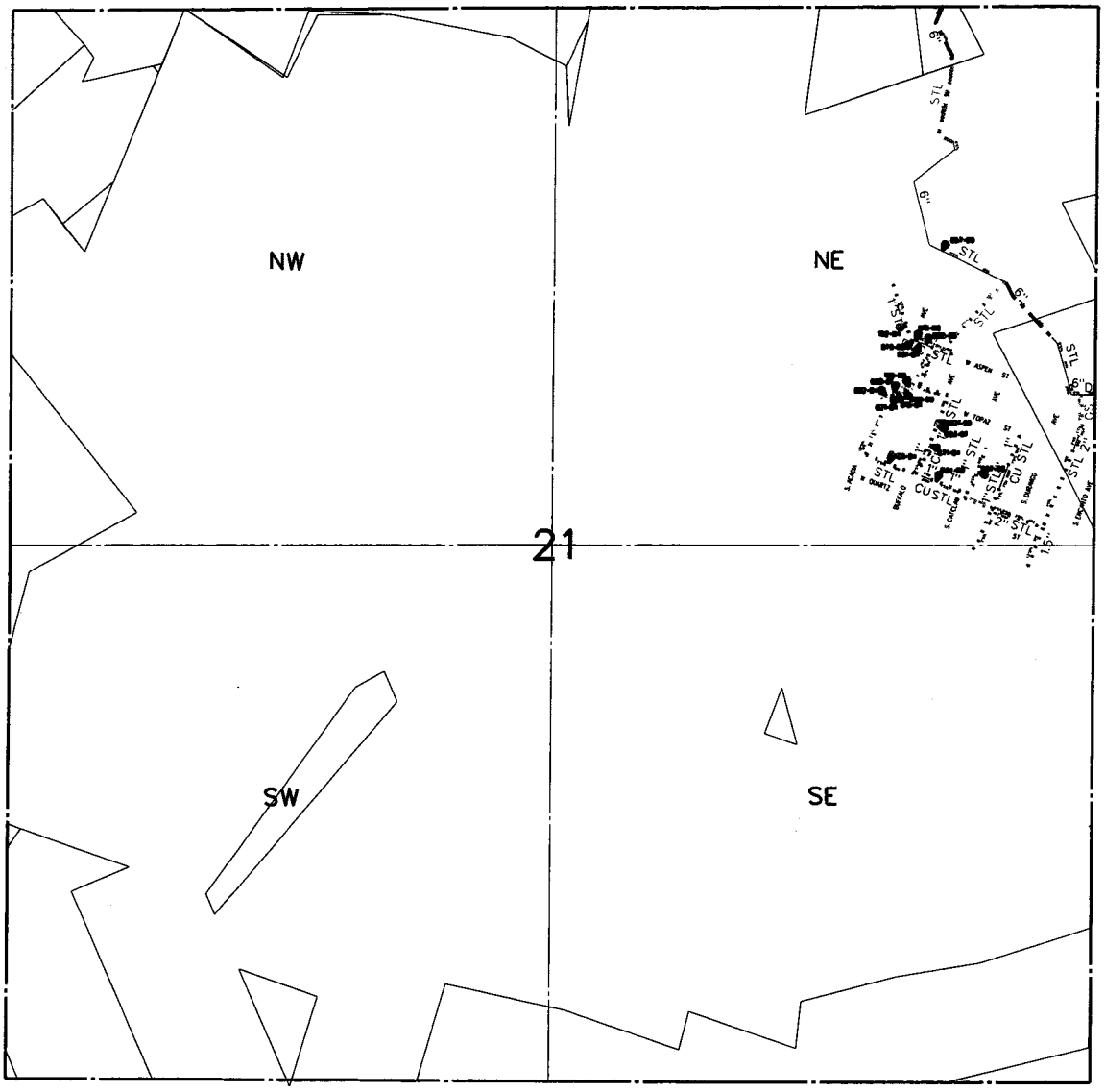
SYSTEM	COCHISE
LOCATION	SEC.14-T.23S.,R.24E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

MAP ID NUMBER

MAP CC - BE 7

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"
- 1900-1909
- 1910-1919
- 1920-1929
- 1930-1939
- 1940-1949
- 1950-1959



ARIZONA WATER COMPANY

3805 N. BLACK CANYON HWY • POST OFFICE BOX 29006
PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-6860

SYSTEM	COCHISE
LOCATION	SEC.21-T.23S.,R.24E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

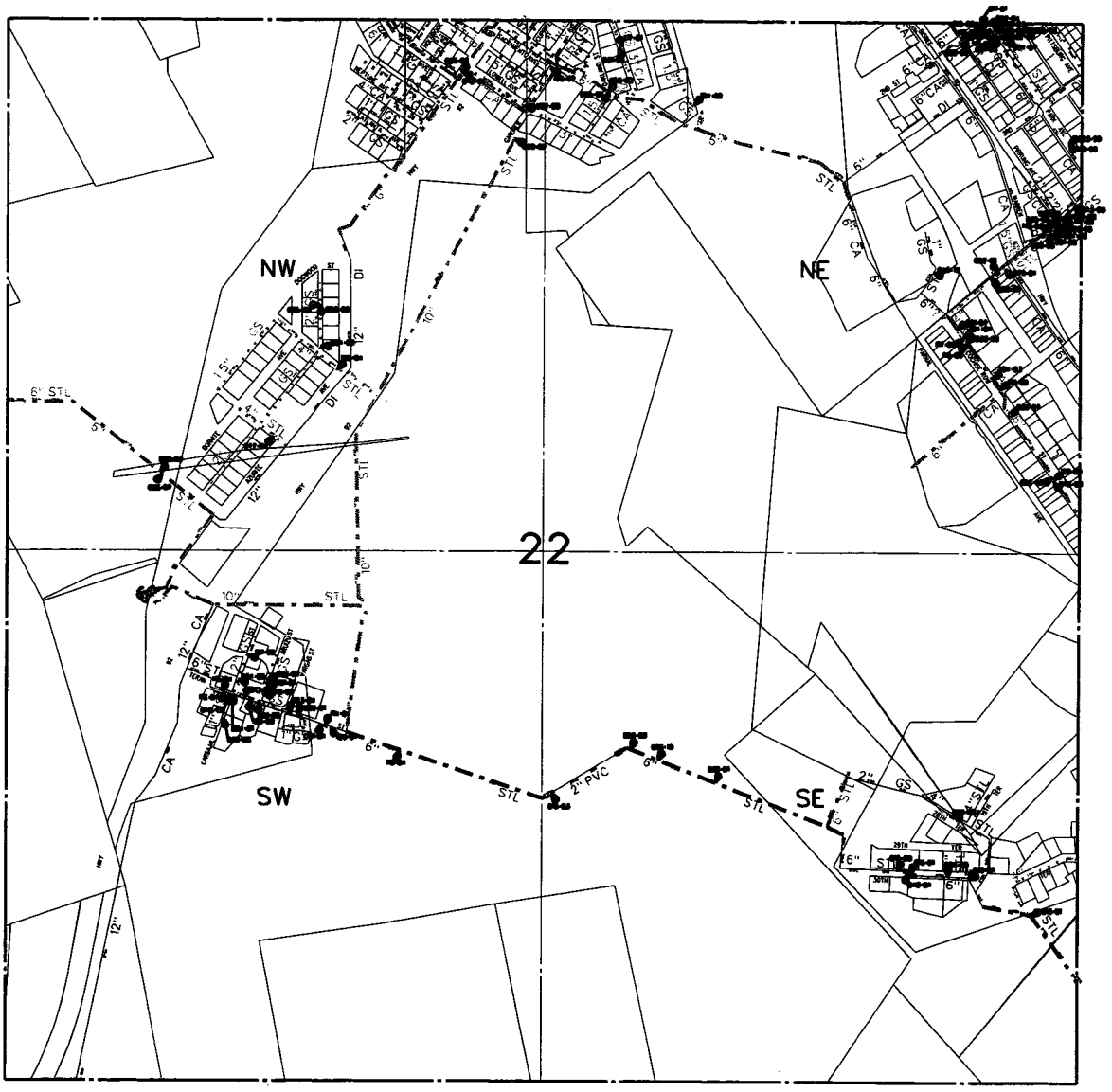
MAP ID NUMBER

MAP CC - BE 8

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"

1900-1909
1910-1919
1920-1929
1930-1939
1940-1949
1950-1959



ARIZONA WATER COMPANY
3805 N. BLACK CANYON HWY • POST OFFICE BOX 29006
PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-6860

SYSTEM	COCHISE
LOCATION	SEC.22-T.23S.,R.24E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

MAP ID NUMBER

MAP CC - BE 9

MAP LEGEND
- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"

1900-1909
1910-1919
1920-1929
1930-1939
1940-1949
1950-1959

ARIZONA WATER COMPANY

3805 N. BLACK CANYON HWY • POST OFFICE BOX 29006
PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-6860

SYSTEM	COCHISE
LOCATION	SEC.23-T.23S.,R.24E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

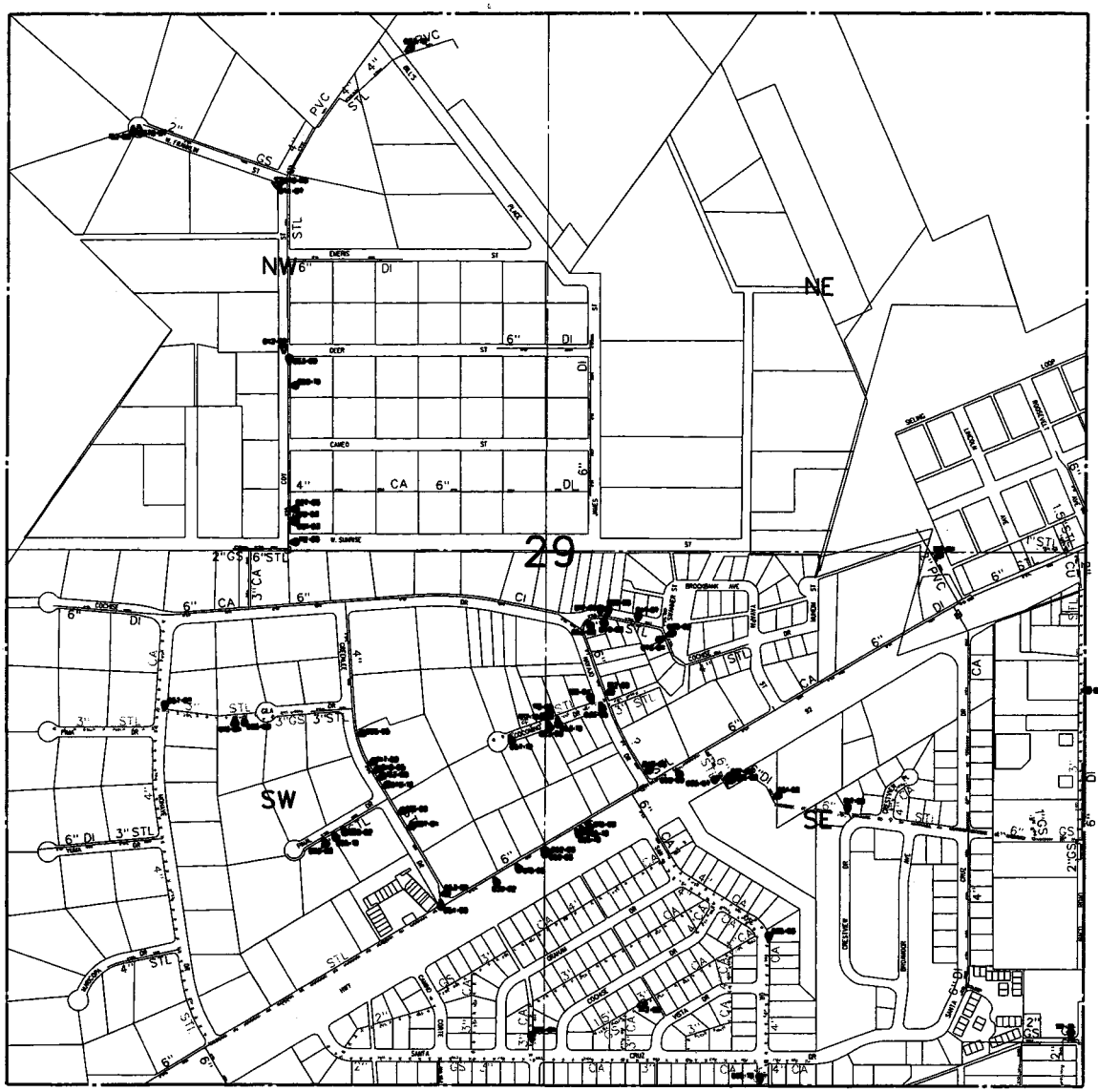
MAP ID NUMBER

MAP CC - BE 10

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"

1900-1909
1910-1919
1920-1929
1930-1939
1940-1949
1950-1959



ARIZONA WATER COMPANY

3805 N. BLACK CANYON HWY • POST OFFICE BOX 29006
PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-5860

SYSTEM	COCHISE
LOCATION	SEC.29-T.23S.,R.24E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

MAP ID NUMBER

MAP CC - BE 11

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"

- 1900-1909
- 1910-1919
- 1920-1929
- 1930-1939
- 1940-1949
- 1950-1959

ARIZONA WATER COMPANY

3805 N. BLACK CANYON HWY - POST OFFICE BOX 29006
PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-6860

SYSTEM	COCHISE
LOCATION	SEC.28-T.23S.,R.24E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

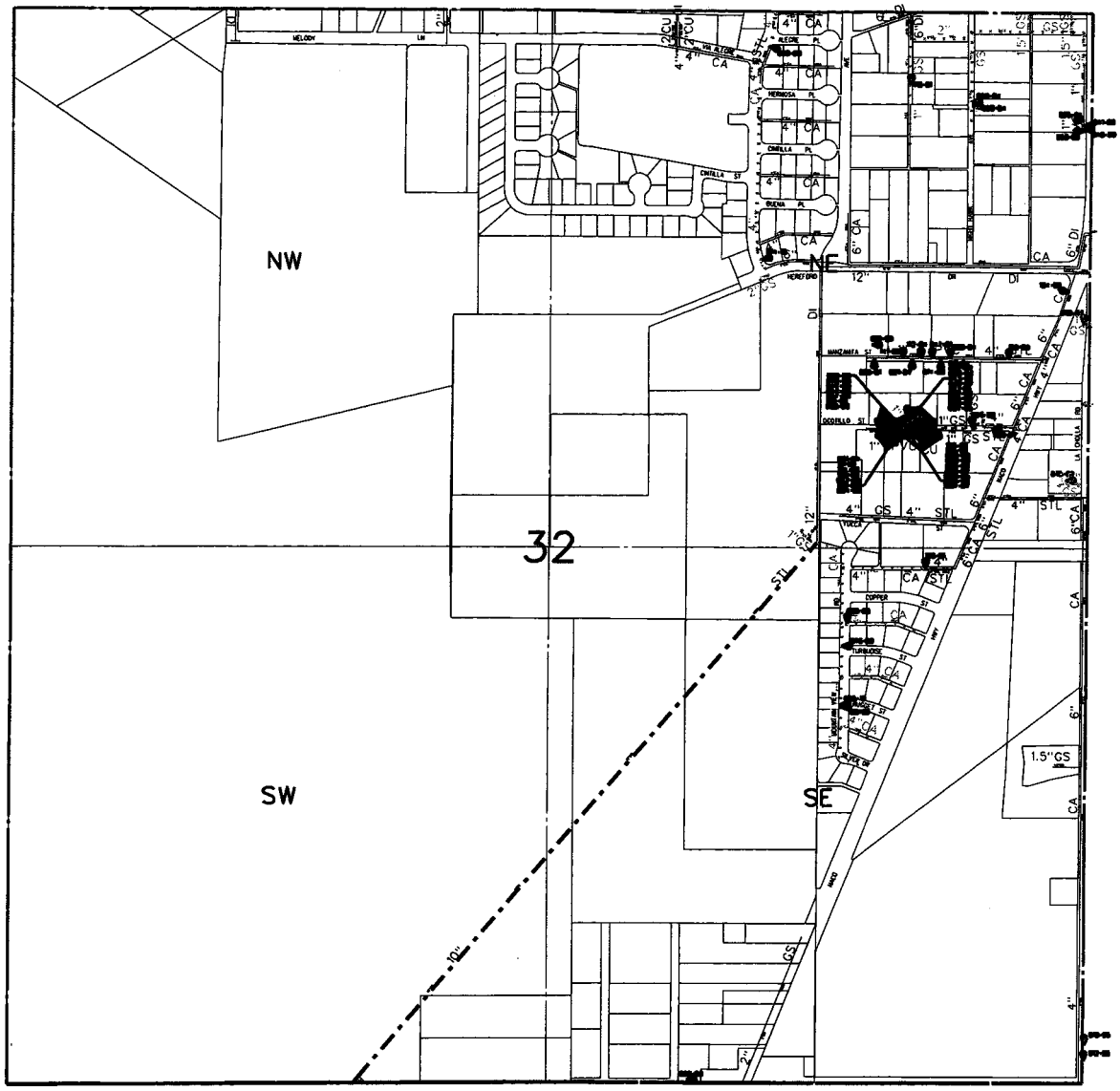
MAP ID NUMBER

MAP CC - BE 12

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"

1900-1909
1910-1919
1920-1929
1930-1939
1940-1949
1950-1959



ARIZONA WATER COMPANY

3805 N. BLACK CANYON HWY • POST OFFICE BOX 29006
PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-6860

SYSTEM	COCHISE
LOCATION	SEC.32-T.23S.,R.24E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

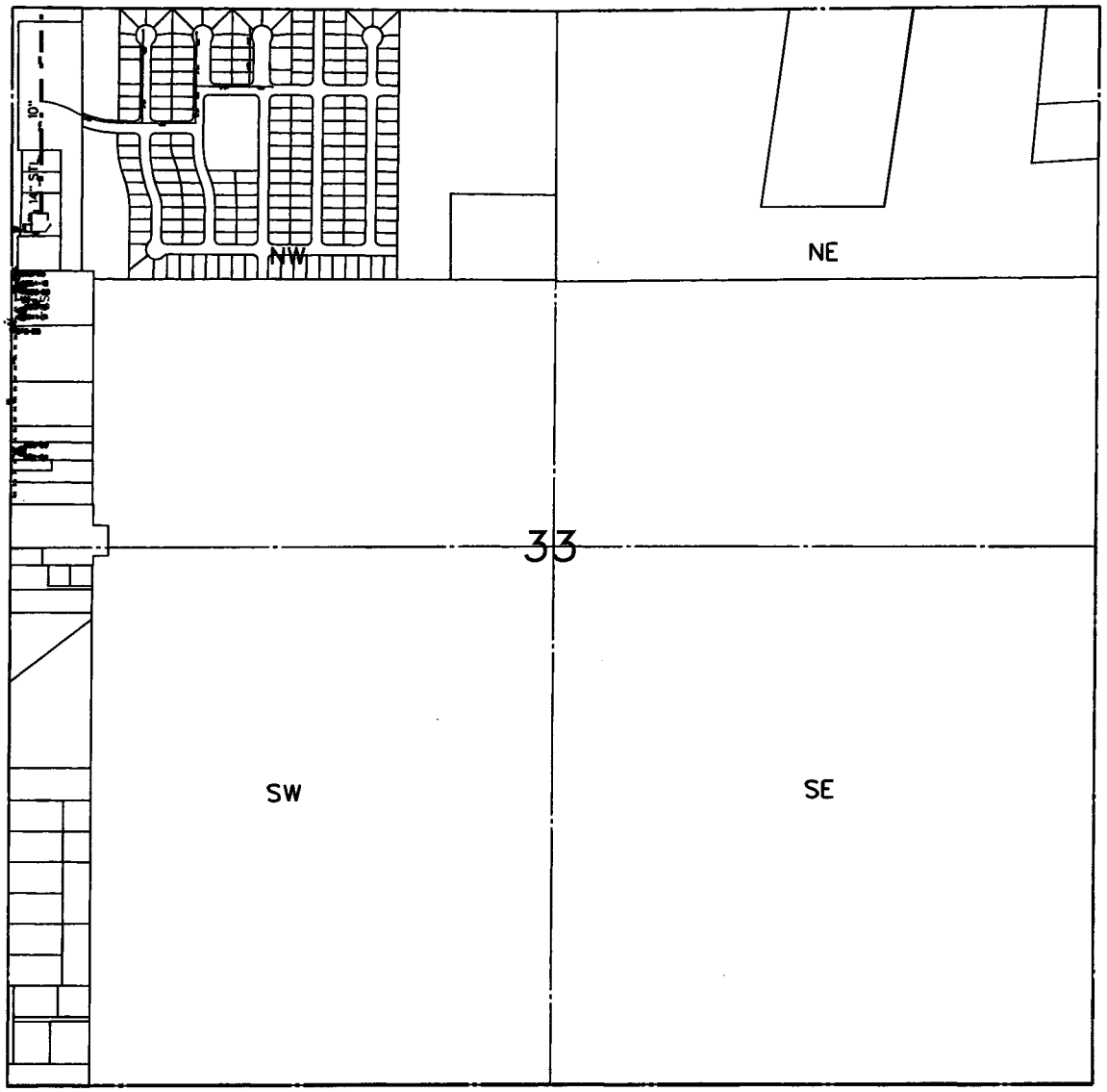
MAP ID NUMBER

MAP CC - BE 13

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"

1900-1909
1910-1919
1920-1929
1930-1939
1940-1949
1950-1959



ARIZONA WATER COMPANY

3805 N. BLACK CANYON HWY • POST OFFICE BOX 29006
PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-6860

SYSTEM	BISBEE
LOCATION	SEC.33-T.23S.,R.24E.
SCALE	1"=300'
DATE	7/15/2011
DRAWN BY	JS
APPROVED BY	AH/FS

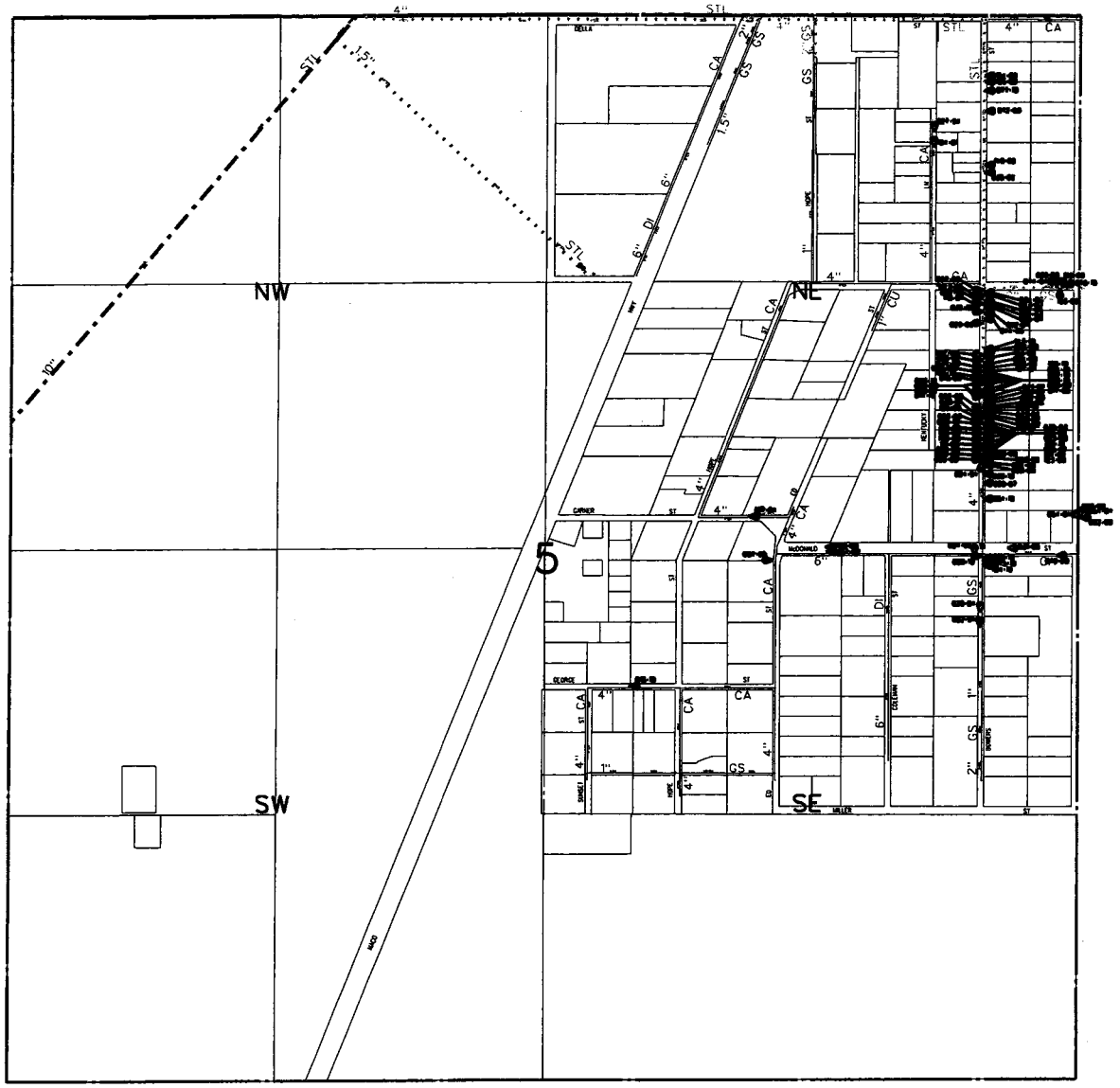
MAP ID NUMBER

MAP BE-14

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"

1900-1909
1910-1919
1920-1929
1930-1939
1940-1949
1950-1959



ARIZONA WATER COMPANY

3805 N. BLACK CANYON HWY • POST OFFICE BOX 29006
PHOENIX, AZ 85015 PHOENIX, AZ 85038
(602) 240-6860

SYSTEM	COCHISE
LOCATION	SEC.5-T.24S.,R.24E.
SCALE	1"=300'
DATE	7/1/2011
DRAWN BY	JS
APPROVED BY	AH/FS

MAP ID NUMBER

MAP CC - BE 15

MAP LEGEND

- SERVICE LINE REPAIR/REPLACEMENT
- WATER MAIN REPAIR/REPLACEMENT
- FITTING REPAIR/REPLACEMENT
- LEAK NUMBER
- WATER MAIN SIZE < 6"
- WATER MAIN SIZE ≥ 6"

1900-1909
1910-1919
1920-1929
1930-1939
1940-1949
1950-1959

APPENDIX

9.3

Arizona Department of Water Resources Third Management Plan Excerpts Related to Water Losses

THIRD MANAGEMENT PLAN

FOR

PHOENIX
ACTIVE MANAGEMENT AREA

2000-2010

ARIZONA DEPARTMENT OF WATER RESOURCES

In addition to these individual user requirements, the Third Management Plan contains an individual user requirement that was not included in the Second Management Plan. This additional requirement prohibits the use of groundwater to maintain a water feature installed in a publicly owned right-of-way after January 1, 2002.

Either the individual user or the municipal provider serving the individual user is responsible for complying with the individual user requirement. See section 5-112 for determining responsibility for compliance with the individual user requirements.

5.7.6.2 Distribution System Requirements

Lost and unaccounted for water is defined as the total water from any source, except direct use effluent, withdrawn, diverted, or received in a year minus the total amount of authorized deliveries made by the municipal provider in that year. Lost and unaccounted for water includes line leakage, meter under-registration, evaporation or leakage from storage ponds or tanks, system and hydrant leaks or breaks, and illegal connections.

All municipal providers are required to meet an efficient lost and unaccounted for water standard in their service areas. Lost and unaccounted for water will be determined for each municipal provider based on the total quantity of metered and unmetered water deliveries and the total water pumped, received, or diverted by the municipal provider for each calendar year, excluding direct use effluent. Small municipal providers must maintain lost and unaccounted for water at or below 15 percent. Large municipal providers are required to maintain their system not to exceed 10 percent lost and unaccounted for water. Large untreated water providers are required to either line all canals used to deliver untreated water to the provider's delivery points with a material that allows no more lost water than a well-maintained concrete lining, or operate and maintain its distribution system to limit lost and unaccounted for water at or below 10 percent.

For the third management period, the Department will allow providers to exclude water from the lost and unaccounted for water calculation that is either metered or estimated using approved estimating procedures and that is used pursuant to other regulatory requirements such as well purging and line flushing. Providers may also exclude estimated water uses such as construction (truck loads for dust control) or fire services, but all other uses of water within a distribution system must be metered. Appendix 5-M provides a complete list of uses that are considered in the lost and unaccounted for water calculation and those uses that can be estimated to determine the volume.

5.7.6.3 Monitoring and Reporting Requirements

All municipal providers are required to annually: (1) report to the Department information on the total quantity of water used within the service area and the total volume of water delivered for various municipal purposes, (2) calculate the volume of lost and unaccounted for water within the service area, and (3) report the total number of housing units, by unit type, added to the water service area from July 1 of the previous calendar year to July 1 of the reporting year.

Large municipal providers are required to separately measure and report the amount of water delivered each month for: irrigation uses; residential uses, separated by single family and multifamily; and non-residential uses, separated by water use categories, including turf-related facility use, commercial use, industrial use, government use, construction use, surface water treatment, and other uses.

All municipal providers are required to submit to the Department, on an annual basis, an updated service area and distribution system map delineating all potable and non-potable distribution lines greater than four inches, all potable treatment facilities, all well sites, and all non-potable treatment.

APPENDIX 5-M
THIRD MANAGEMENT PLAN
LOST & UNACCOUNTED FOR WATER REQUIREMENTS

Lost & Unaccounted For Water Includes:

Leaks:
- Distribution Lines
- Sewer Lines
- Storage Tanks
- Storage Ponds
- Hydrants
- Other

Breaks:
- Distribution Lines
- Sewer Lines
- Mains
- Hydrants
- Other

Measurement Errors:
- Meter Under/Over-Registration
- Source Meter Errors
- Flumes/Weirs Errors

Evaporation

Illegal Connections/Water Theft

Phreatophyte Uses

****

Water System Uses Include:

- Residential Metered Deliveries
- Non-Residential Metered Deliveries
- Standpipe Uses
- Fire Flow [1]
- Hydrant Meter Reading
- Hydrant Flow Tests [1]
- Fire Sprinkler System Flow Tests [1]
- Construction [1]
- Dust Control [1]
- Line Flushing (distribution, sewer, or treatment facility) [1]
- Street Cleaning [1]
- Storm Drain Flushing [1]
- Water Tests & Pressure Tests [1]
- Well Purging

[1] Estimates can be provided, using a method approved by the director. Documentation must be submitted with annual report.

THIRD MANAGEMENT PLAN

FOR

TUCSON
ACTIVE MANAGEMENT AREA

2000-2010

ARIZONA DEPARTMENT OF WATER RESOURCES

Either the individual user or the municipal provider serving the individual user is responsible for complying with the individual user requirement. See section 5.2.3 for a discussion of how responsibility is determined.

5.6.5.2 Distribution System Requirements

All municipal providers are required to limit lost and unaccounted for water use in their service area. Lost and unaccounted for water includes line leakage, meter under-registration, evaporation or leakage from storage ponds or tanks, system and hydrant leaks or breaks, and illegal connections. Lost and unaccounted for water is defined as the total water from any source, except direct use effluent, withdrawn, diverted, or received in a year minus the total amount of authorized deliveries made by the municipal provider in that year. Small municipal providers must maintain lost and unaccounted for water volumes at no more than 15 percent. Large municipal providers are required to maintain systems not to exceed 10 percent lost and unaccounted for water.

Water that is put to a beneficial use and water system operation uses, whether metered or estimated, are not counted as lost or unaccounted for water. For the third management period, the Department will allow providers to either meter or estimate (using approved estimating procedures) the volume of water used pursuant to regulatory requirements such as well purging and line flushing. Providers may also estimate water for uses such as construction or fire services. However, all other water uses must be metered. This is especially important for large distribution systems which tend to have many hundreds of customers and many miles of distribution pipe. For a complete listing of uses that can be estimated, refer to Appendix 5J.

5.6.5.3 Monitoring and Reporting Requirements

All municipal providers are required to annually report to the Department the total volume of water used within the service area and the total volume of water delivered for various municipal purposes. In addition, the provider must calculate the volume of lost and unaccounted for water within the service area and report the total number of housing units, by unit type, added to the service area from July 1 of the previous calendar year to July 1 of the reporting year. Most municipal providers maintain a database and tracking system of this information for the previous 12 months. Maintaining this type of information allows municipal providers to identify difficulties in the operation of the distribution system and better meet water management objectives within their service areas.

Large municipal providers are required to separately measure and report the amount of water delivered each month for the following uses and categories: irrigation; residential separated into single family and multifamily; and non-residential separated into turf-related, commercial, industrial, government, construction, surface water treatment, and other uses.

All municipal providers are required to annually submit to the Department an updated service area and distribution system map that includes all potable and non-potable distribution lines greater than 4 inches, all potable treatment facilities, all well sites, all non-potable treatment facilities, and other information.

Large municipal providers regulated under the NPCCP or the ACP are required to submit a progress report that includes an evaluation of the results of implementing the reasonable conservation measures in accordance with their written stipulated agreement.

APPENDIX 5J
CONSERVATION REQUIREMENTS FOR MUNICIPAL DISTRIBUTION SYSTEMS
LOST AND UNACCOUNTED FOR WATER
TUCSON ACTIVE MANAGEMENT AREA

Lost & Unaccounted For Includes:

Leaks:
- Distribution Lines
- Sewer Lines
- Storage Tanks
- Storage Ponds
- Hydrants
- Other

Breaks:
- Distribution Lines
- Sewer Lines
- Mains
- Hydrants
- Other

Measurement Errors:
- Meter Under-Registration
- Source Meter Errors
- Flume/Weir Errors

Evaporation

Illegal Connections/Water Theft

Phreatophyte Uses

Water System Uses Include:

- Residential Metered Deliveries
- Non-Residential Metered Deliveries
- Standpipe Uses
  - *(1)* Fire Flow
  - Hydrant Meter Reading
  - *(1)* Hydrant Flow Tests
  - *(1)* Fire Sprinkler System Flow Tests
  - *(1)* Construction
  - *(1)* Dust Control
  - *(1)* Line Flushing (distribution, sewer, or treatment facility)
  - *(1)* Street Cleaning
  - *(1)* Storm Drain Flushing
  - *(1)* Water Tests & Pressure Tests
  - Well Purging

(1) *These uses may be estimated using a method approved by the director. Documentation must be submitted with annual report.*

APPENDIX

9.4

Recommended Projects and Preliminary Cost Estimates

APPENDIX

9.4.1

Recommended Projects and Preliminary Cost Estimates Superstition Division

PROJECT NUMBER	STREET NAME	NEW PIPE LENGTH (LF)	NEW PIPE DIAMETER (IN)	NEW PIPE MATERIAL	# OF SERVICES TO BE REPLACED	REPLACED PIPE DIAMETER (IN)	REPLACED PIPE MATERIAL	RECORDED FITTING LEAKS	RECORDED MAIN LEAKS	RECORDED SERVICE LEAKS	TOTAL LEAKS	ESTIMATED TOTAL COST
1	PERALTA ESTATES UNIT 2				126			0	0	25	25	$523,827
2	BOISE STREET & AVALON	1,350	6	DI	88	4	CA	1	0	21	22	$544,964
3	114TH STREET	650	6	DI	102			1	3	18	22	$432,978
4	DELAWARE DRIVE				87			0	0	22	22	$346,461
5	GLOBE AVENUE				10			0	0	22	22	$42,274
6	GREASEWOOD DRIVE				25			1	0	19	20	$102,008
7	CHISOLM AVENUE				22			0	0	20	20	$92,818
8	RANCH ROAD	600	6	DI		2	PVC	0	18	2	20	$57,240
9	HIDALGO STREET	4,700	6	DI	32	1, 1.5, 2	GS	1	12	6	19	$563,475
10	SUGAR CREEK DRIVE				46			0	0	19	19	$191,151
11	PINYON DRIVE				101			0	0	18	18	$416,305
12	PERALTA ESTATES				44			0	0	17	17	$182,880
13	RUSSELL AVENUE	1,050	6	DI	23			0	0	17	17	$190,232
14	COPPER DRIVE				121			0	1	15	16	$509,123
15	MCKINNEY AVENUE				18			0	0	16	16	$74,439
16	MONROE STREET	250	6	DI	6	2	PVC, GS	0	12	4	16	$46,212
17	SLEEPY HOLLOW & LAZY				25			0	0	15	15	$102,927
18	HIDEAWAY LANE				21			0	0	14	14	$84,548
19	STONE AVENUE	1,350	6	DI	25	2, 4	CI, CA	0	2	12	14	$222,528
20	CENTRAL AVENUE	550	6	DI	25	6	ST	0	1	13	14	$154,785
21	ORPHAN STREET	1,700	6	DI	33	1, 2	CA, GS	0	4	10	14	$280,425
22	FREDRIC STREET	2,750	6	DI	53	2, 4	GS, CA	0	10	3	13	$464,224
23	GLENDALE AVENUE				17			0	1	12	13	$69,844
24	STORY STREET	600	6	DI	11			0	0	12	12	$98,595
25	MOUNTAIN ROAD				48			0	0	11	11	$193,908
26	YOUNG STREET	800	6	DI	17	1,2	ST, CU, PVC	0	9	2	11	$138,506
27	EMERALD DRIVE	500	6	DI	8	2	ST	0	10	0	10	$78,640
28	SLEEPY HOLLOW TRAIL				30			0	0	10	10	$121,307
29	WASHBORN ROAD	1,600	6	DI		6	HDPE	0	9	0	9	$142,838
30	LOOMIS AVENUE	500	6	DI	5	1	GS	0	9	0	9	$63,017
31	HUMMINGBIRD LANE				14			0	0	7	7	$57,897
32	BROADWAY AVENUE	600	6	DI	3	6	CA	0	7	0	7	$67,349
33	BOISE STREET	1,400	6	DI	13	2	PVC	0	7	0	7	$176,447
34	HILL STREET				28			0	0	7	7	$114,874
35	ALHAMBRA WAY				14			0	0	6	6	$57,897
36	GARROT AVENUE	1,250	6	DI	31	1,2,6	CA,CU	0	0	6	6	$278,915
											Total	**$7,285,858**

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	APACHE JUNCTION	SUPERSTITION

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
NW 1/4 SEC.30-T.1N., R.8E.	1	MAP SS-AJ 17

PROJECT DESCRIPTION:

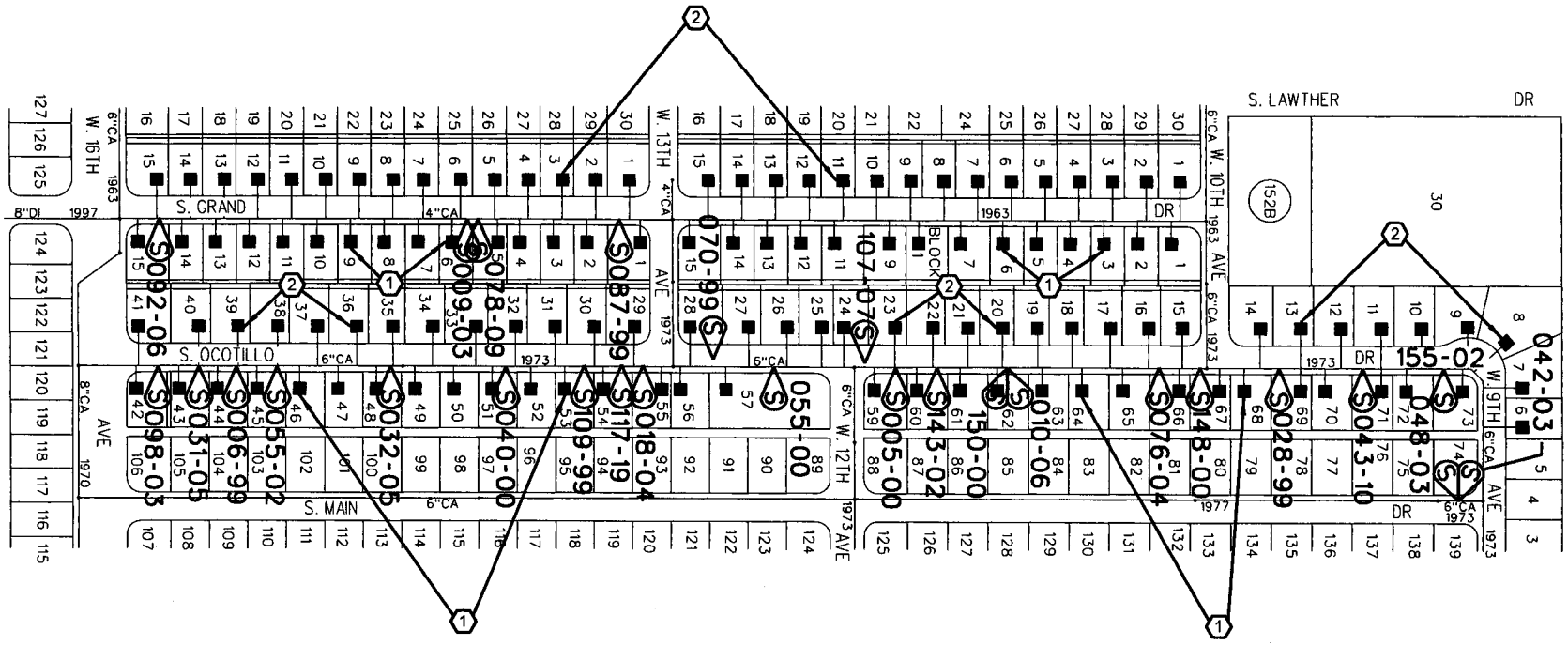
REPLACE 126 SERVICE CONNECTIONS IN PERALTA ESTATES UNIT TWO.

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
60	EA	2,800	REPLACE SHORT SERVICE	$ 168,000
66	EA	3,500	REPLACE LONG SERVICE	231,000
				-
				-
				-
				-
				-
				-
				-
				-
				-
				-
				-
(1) **SUBTOTAL - MATERIALS AND LABOR**				399,000
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)				5,985
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION				27,930
(4) SUBTOTAL - LINES (1), (2) AND (3)				**$ 432,915**
(5) OVERHEAD - 15% OF LINE (4)				64,937
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS				25,975
SUBTOTAL - LINES (4), (5) AND (6)				**$ 523,827**
ESTIMATED COST OF CONSTRUCTION				**$ 523,827**

AFH

PROJECT 1



0 300 600

QUANTITIES LIST

#		QTY.
1	REPLACE SHORT SERVICE	60 EA.
2	REPLACE LONG SERVICE	66 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S — SERVICE LINE REPAIR/REPLACEMENT

F — FITTING REPAIR/REPLACEMENT

M — WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION

REPLACE 126 SERVICE CONNECTIONS
IN PERALTA ESTATES UNIT TWO.

PROJECT LOCATION

NW 1/4 SEC. 30-T.1N., R.8E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP SS - AJ 17

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	APACHE JUNCTION	SUPERSTITION

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
NE 1/4 SEC.24-T.1N., R.7E.	2	MAP SS-AJ 4

PROJECT DESCRIPTION:

INSTALL 1,350 LF OF 6-INCH DIP w/POLYWRAP AND REPLACE 88 SERVICE CONNECTIONS BETWEEN BOISE STREET AND AVALON STREET.

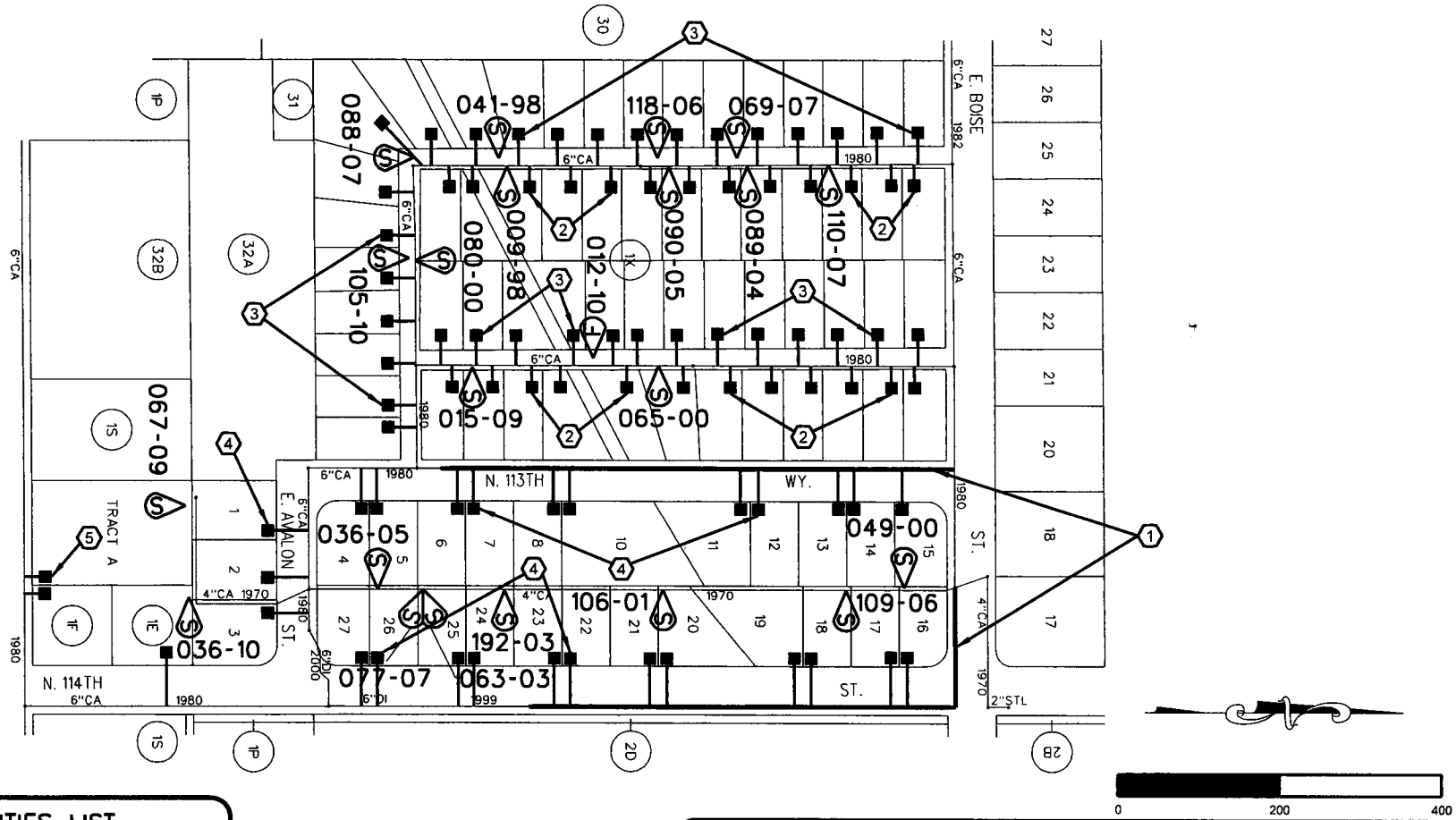
MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
1,350	LF	$ 68	6" DIP w/POLYWRAP	$ 91,800
25	EA	2,800	REPLACE SHORT SERVICE	70,000
34	EA	3,500	REPLACE LONG SERVICE	119,000
27	EA	4,700	RELOCATE LONG SERVICE	126,900
2	EA	3,700	RELOCATE SHORT SERVICE	7,400
				-
				-
				-
				-
				-
				-
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	415,100
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	6,227
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	29,057
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 450,384**
(5) OVERHEAD - 15% OF LINE (4)	67,558
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	27,023
SUBTOTAL - LINES (4), (5) AND (6)	**$ 544,964**
ESTIMATED COST OF CONSTRUCTION	**$ 544,964**

AFH

PROJECT 2



QUANTITIES LIST

#		QTY.
1	INSTALL 6" DIP w/POLYWRAP	1,350 LF
2	REPLACE SHORT SERVICE	25 EA.
3	REPLACE LONG SERVICE	34 EA.
4	RELOCATE LONG SERVICE	27 EA.
5	RELOCATE SHORT SERVICE	2 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S — SERVICE LINE REPAIR/REPLACEMENT

F — FITTING REPAIR/REPLACEMENT

M — WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION

INSTALL 1,350 LF OF 6" DIP w/POLYWRAP AND REPLACE 88 SERVICE CONNECTIONS BETWEEN BOISE STREET AND AVALON STREET.

PROJECT LOCATION

NE 1/4 SEC. 24-T.1N., R.7E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP SS - AJ 4

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	APACHE JUNCTION	SUPERSTITION

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
NE 1/4 SEC.25-T.1N., R.7E.	3	MAP SS-AJ 5

PROJECT DESCRIPTION:

INSTALL 650 LF OF 6-INCH DIP w/POLYWRAP AND REPLACE 102 SERVICE CONNECTIONS BETWEEN 114TH STREET AND MERIDIAN ROAD.

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
650	LF	$ 68	6" DIP w/POLYWRAP	$ 44,200
102	EA	2,800	REPLACE SHORT SERVICE	285,600
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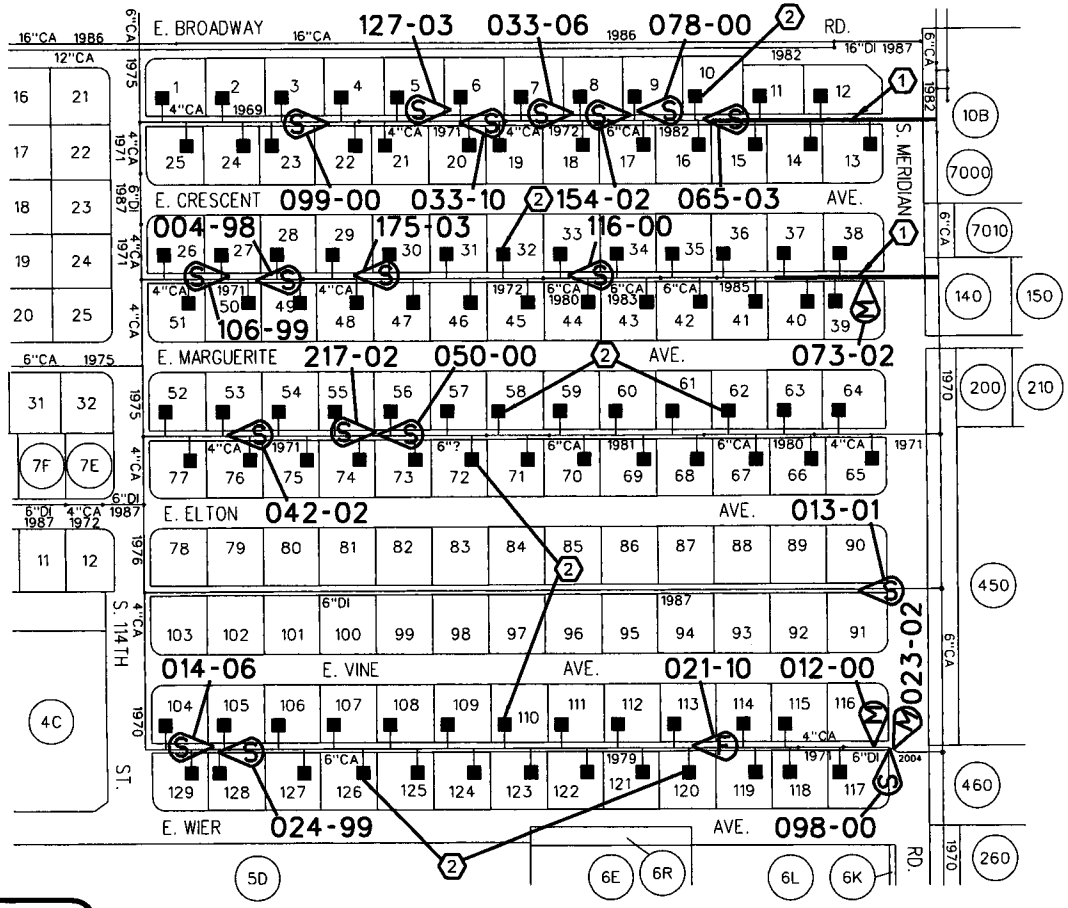
				-
				-
				-
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	329,800
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	4,947
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	23,086
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 357,833**
(5) OVERHEAD - 15% OF LINE (4)	53,675
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	21,470
SUBTOTAL - LINES (4), (5) AND (6)	**$ 432,978**
ESTIMATED COST OF CONSTRUCTION	**$ 432,978**

AFH

PROJECT 3



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PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S SERVICE LINE REPAIR/REPLACEMENT

F FITTING REPAIR/REPLACEMENT

M WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

QUANTITIES LIST

#		QTY.
1	INSTALL 6" DIP w/POLYWRAP	650 LF
2	REPLACE SHORT SERVICE	102 EA.

ARIZONA WATER COMPANY

PROJECT DESCRIPTION

INSTALL 650 LF OF 6" DIP w/POLYWRAP AND REPLACE 102 SERVICE CONNECTIONS BETWEEN 114TH STREET AND MERIDIAN ROAD.

PROJECT LOCATION

NE 1/4 SEC. 25-T.1N., R.7E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP SS - AJ 5

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	APACHE JUNCTION	SUPERSTITION

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
NE 1/4 SEC.30-T.1N., R.8E.	4	MAP SS-AJ 17

PROJECT DESCRIPTION:

REPLACE 87 SERVICE CONNECTIONS ALONG DELAWARE AND LAWTHER DRIVES.

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
58	EA	2,800	REPLACE SHORT SERVICE	$ 162,400
29	EA	3,500	REPLACE LONG SERVICE	101,500
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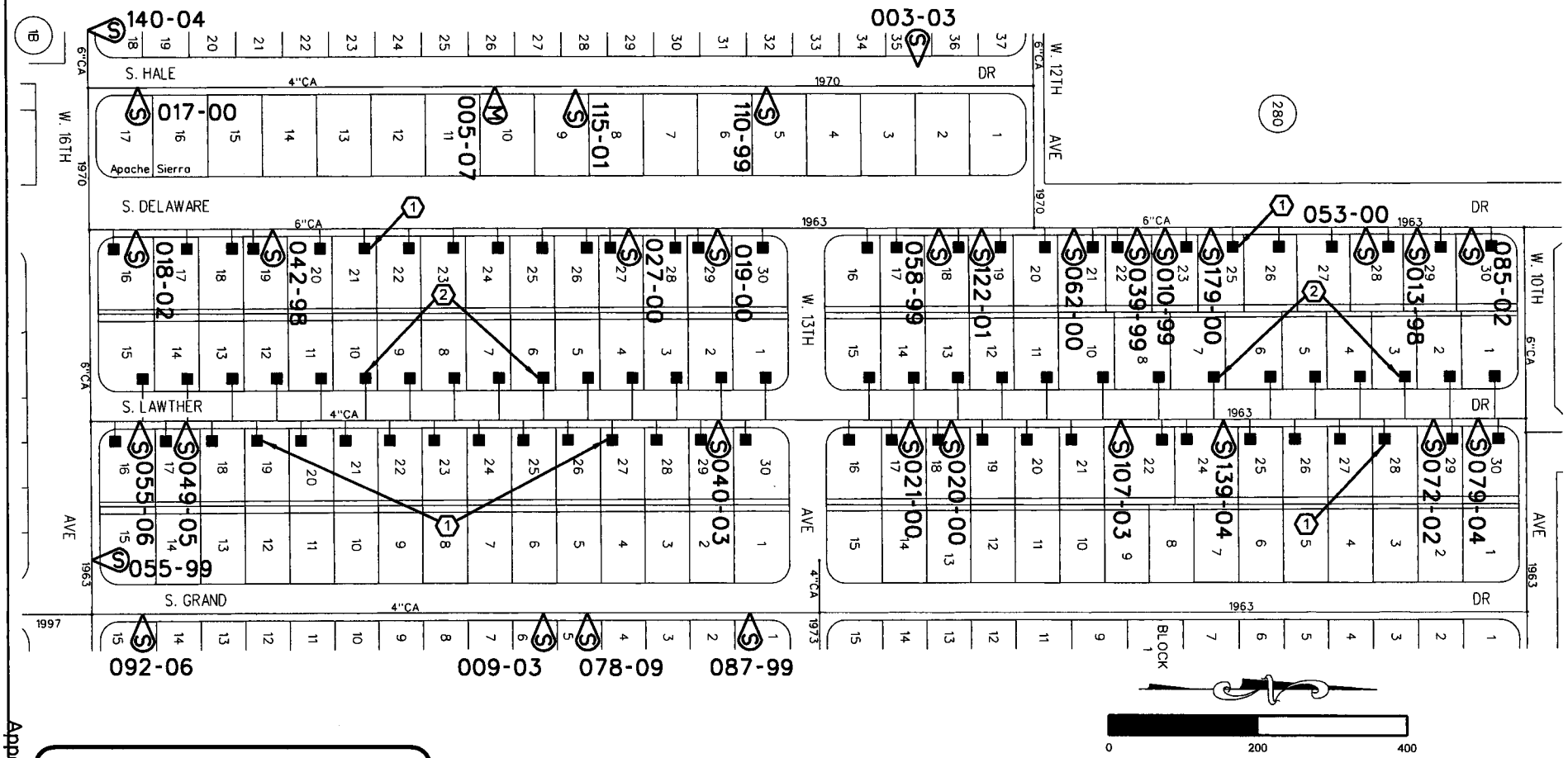
				-
				-
				-
				-
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	263,900
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	3,959
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	18,473
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 286,332**
(5) OVERHEAD - 15% OF LINE (4)	42,950
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	17,180
SUBTOTAL - LINES (4), (5) AND (6)	**$ 346,461**
ESTIMATED COST OF CONSTRUCTION	**$ 346,461**

AFH

PROJECT 4



QUANTITIES LIST

#		QTY.
1	REPLACE SHORT SERVICE	58 EA.
2	REPLACE LONG SERVICE	29 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S — SERVICE LINE REPAIR/REPLACEMENT

F — FITTING REPAIR/REPLACEMENT

M — WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION
REPLACE 87 SERVICE CONNECTIONS ALONG DELAWARE AND LAWTHER DRIVES.

PROJECT LOCATION
NE 1/4 SEC. 30-T.1N., R.8E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP SS - AJ 17

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	MIAMI	SUPERSTITION

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
NW 1/4 SEC.28-T.1N., R.15E.	5	MAP SS-MI 9

PROJECT DESCRIPTION:

REPLACE 10 SERVICE CONNECTIONS ALONG GLOBE AVENUE.

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
4	EA	$ 2,800	REPLACE SHORT SERVICE	$ 11,200
6	EA	3,500	REPLACE LONG SERVICE	21,000
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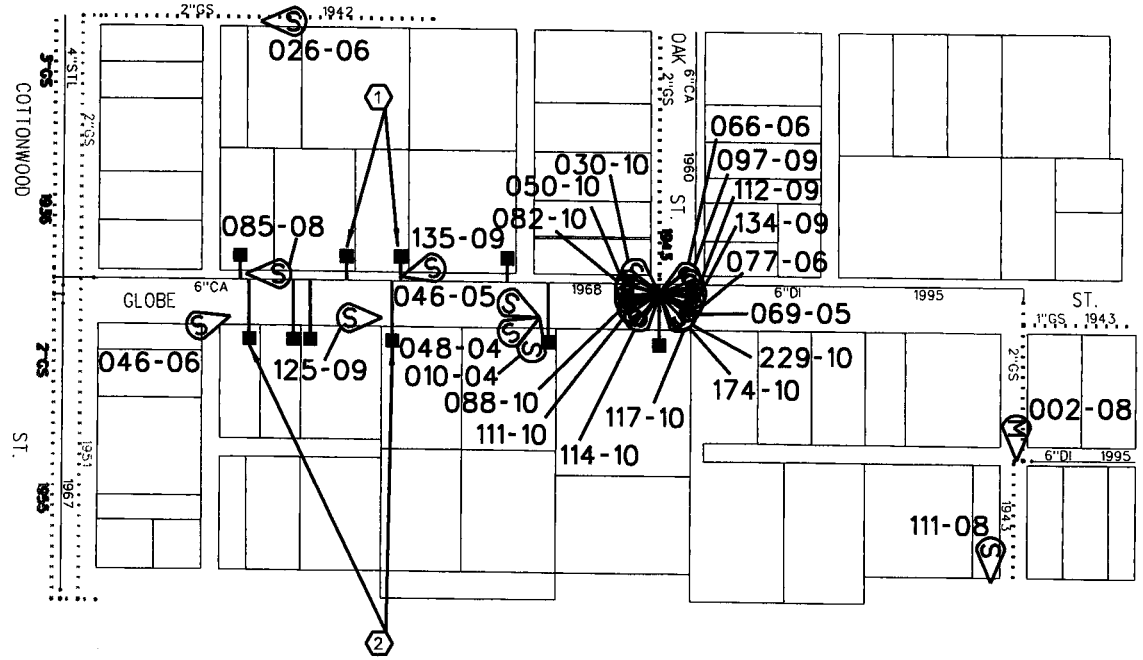
				-
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	32,200
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	483
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	2,254
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 34,937**
(5) OVERHEAD - 15% OF LINE (4)	5,241
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	2,096
SUBTOTAL - LINES (4), (5) AND (6)	**$ 42,274**
ESTIMATED COST OF CONSTRUCTION	**$ 42,274**

AFH

PROJECT 5



QUANTITIES LIST

#		QTY.
1	REPLACE SHORT SERVICE	4 EA.
2	REPLACE LONG SERVICE	6 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S — SERVICE LINE REPAIR/REPLACEMENT

F — FITTING REPAIR/REPLACEMENT

M — WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION

REPLACE 10 SERVICE CONNECTIONS ALONG GLOBE AVENUE.

PROJECT LOCATION

NW 1/4 SEC. 28-T.1N., R.15E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP SS - MI 9

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	APACHE JUNCTION	SUPERSTITION

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
SW 1/4 SEC.17-T.1N., R.8E.	6	MAP SS-AJ 8

PROJECT DESCRIPTION:

REPLACE 25 SERVICE CONNECTIONS ALONG GREASEWOOD DRIVE AND ESCONDIDO COURT.

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
14	EA	$ 2,800	REPLACE SHORT SERVICE	$ 39,200
11	EA	3,500	REPLACE LONG SERVICE	38,500
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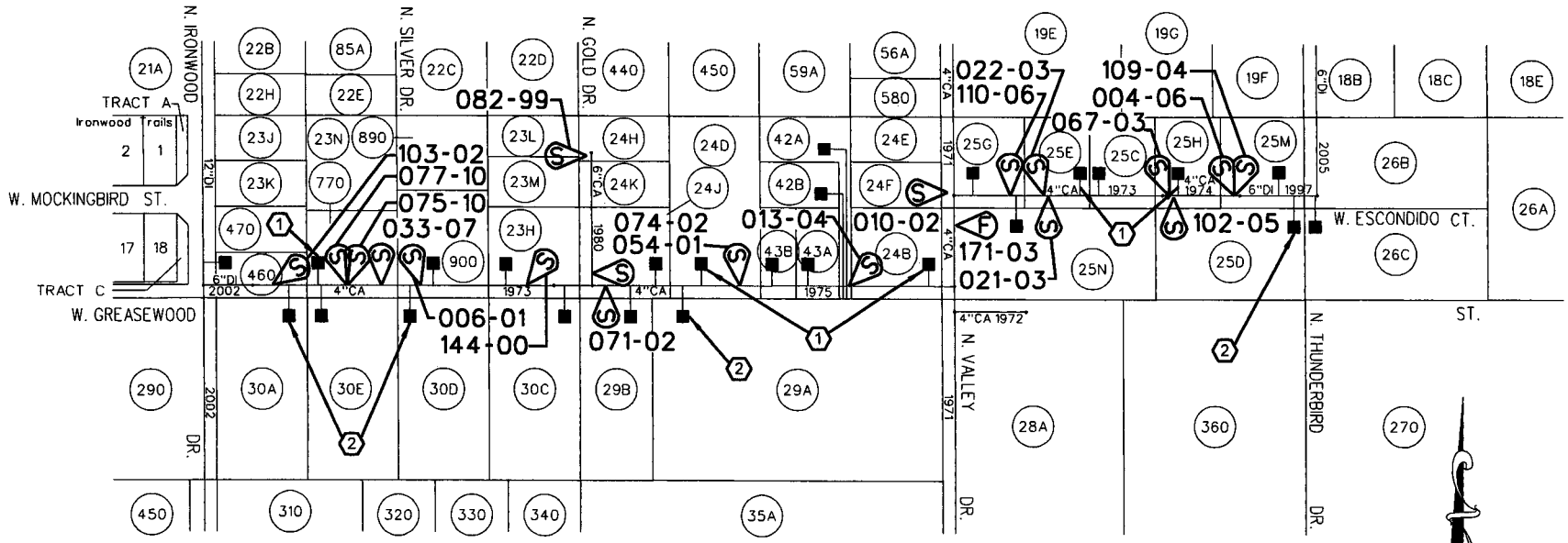
				-
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	77,700
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	1,166
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	5,439
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 84,305**
(5) OVERHEAD - 15% OF LINE (4)	12,646
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	5,058
SUBTOTAL - LINES (4), (5) AND (6)	**$ 102,008**
ESTIMATED COST OF CONSTRUCTION	**$ 102,008**

AFH

PROJECT 6



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QUANTITIES LIST

#		QTY.
1	REPLACE SHORT SERVICE	14 EA.
2	REPLACE LONG SERVICE	11 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S SERVICE LINE REPAIR/REPLACEMENT

F FITTING REPAIR/REPLACEMENT

M WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION
REPLACE 25 SERVICE CONNECTIONS ALONG GREASEWOOD DRIVE AND ESCONDIDO COURT.

PROJECT LOCATION
SW 1/4 SEC. 17-T.1N., R.8E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP SS - AJ 8

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	MIAMI	SUPERSTITION

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
SW 1/4 SEC.30-T.1N., R.15E.	7	MAP SS-MI 7

PROJECT DESCRIPTION:

REPLACE 22 SERVICE CONNECTIONS ALONG CHISOLM AVENUE.

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
9	EA	2,800	REPLACE SHORT SERVICE	$ 25,200
13	EA	3,500	REPLACE LONG SERVICE	45,500
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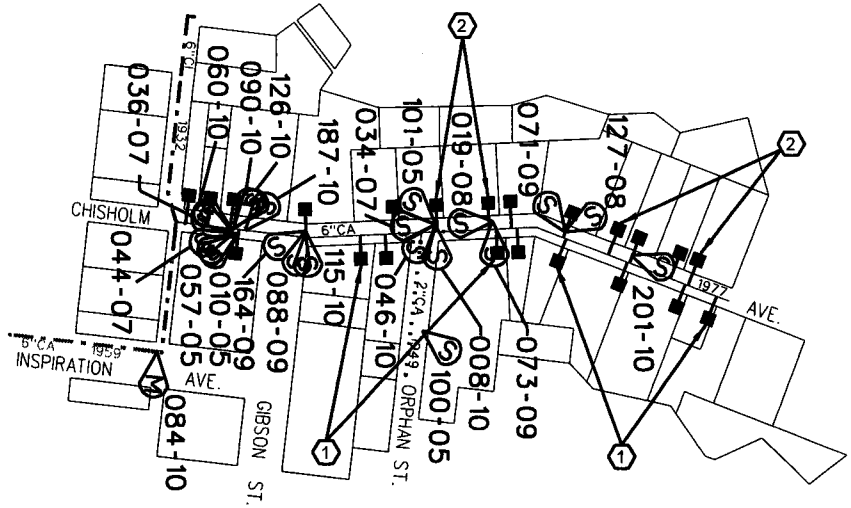
				-
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	70,700
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	1,061
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	4,949
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 76,710**
(5) OVERHEAD - 15% OF LINE (4)	11,506
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	4,603
SUBTOTAL - LINES (4), (5) AND (6)	**$ 92,818**
ESTIMATED COST OF CONSTRUCTION	**$ 92,818**

AFH

PROJECT 7



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QUANTITIES LIST

#		QTY.
1	REPLACE SHORT SERVICE	9 EA.
2	REPLACE LONG SERVICE	13 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S SERVICE LINE REPAIR/REPLACEMENT

F FITTING REPAIR/REPLACEMENT

M WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION	REPLACE 22 SERVICE CONNECTIONS ALONG CHISOLM AVENUE.
PROJECT LOCATION	SW 1/4 SEC. 30-T.1N., R.15E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP SS - MI 7

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	MIAMI	SUPERSTITION

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
SE 1/4 SEC.32-T.2N., R.15E.	8	MAP SS-MI 1

PROJECT DESCRIPTION:

INSTALL 600 LF OF 6-INCH DIP w/POLYWRAP ALONG RANCH ROAD AND REPLACE 1 SERVICE CONNECTION.

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
600	LF	$ 68	6" DIP w/POLYWRAP	$ 40,800
1	EA	2,800	REPLACE SHORT SERVICE	2,800
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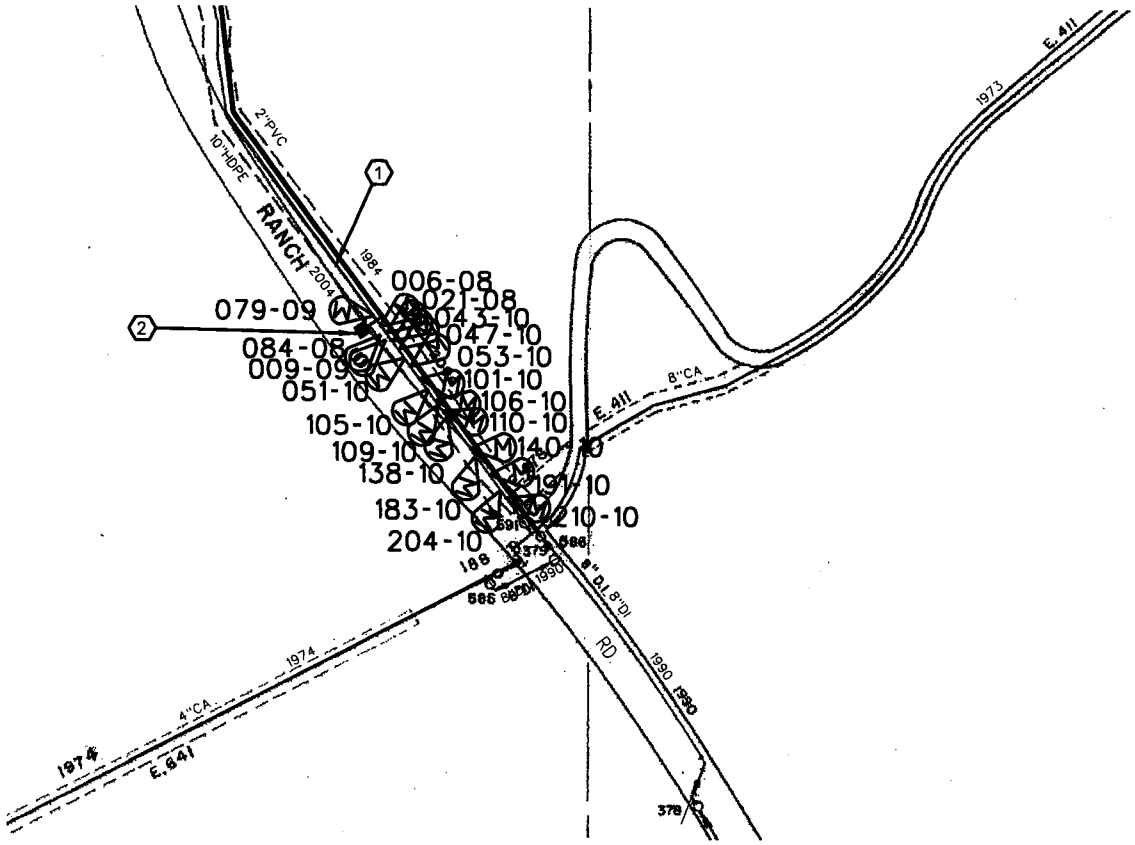
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	43,600
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	654
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	3,052
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 47,306**
(5) OVERHEAD - 15% OF LINE (4)	7,096
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	2,838
SUBTOTAL - LINES (4), (5) AND (6)	**$ 57,240**
ESTIMATED COST OF CONSTRUCTION	**$ 57,240**

AFH

PROJECT 8



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QUANTITIES LIST

#		QTY.
1	INSTALL 6" DIP w/POLYWRAP	600 LF

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S SERVICE LINE REPAIR/REPLACEMENT

F FITTING REPAIR/REPLACEMENT

M WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION

INSTALL 600 LF OF 6" DIP w/POLYWRAP ALONG RANCH ROAD.

PROJECT LOCATION

SE 1/4 SEC. 32-T.2N., R.15E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP SS - MI 1

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	APACHE JUNCTION	SUPERSTITION

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
N 1/2 SEC.13-T.1N., R.8E.	9	MAP SS-AJ 10

PROJECT DESCRIPTION:

INSTALL 4,700 LF OF 6-INCH DIP w/POLYWRAP AND REPLACE 32 SERVICE CONNECTIONS ALONG HIDALGO STREET AND CONCHO STREET.

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
4,700	LF	$ 68	6" DIP w/POLYWRAP	$ 319,600
8	EA	2,800	REPLACE SHORT SERVICE	22,400
8	EA	3,500	REPLACE LONG SERVICE	28,000
16	EA	3,700	RELOCATE SHORT SERVICE	59,200
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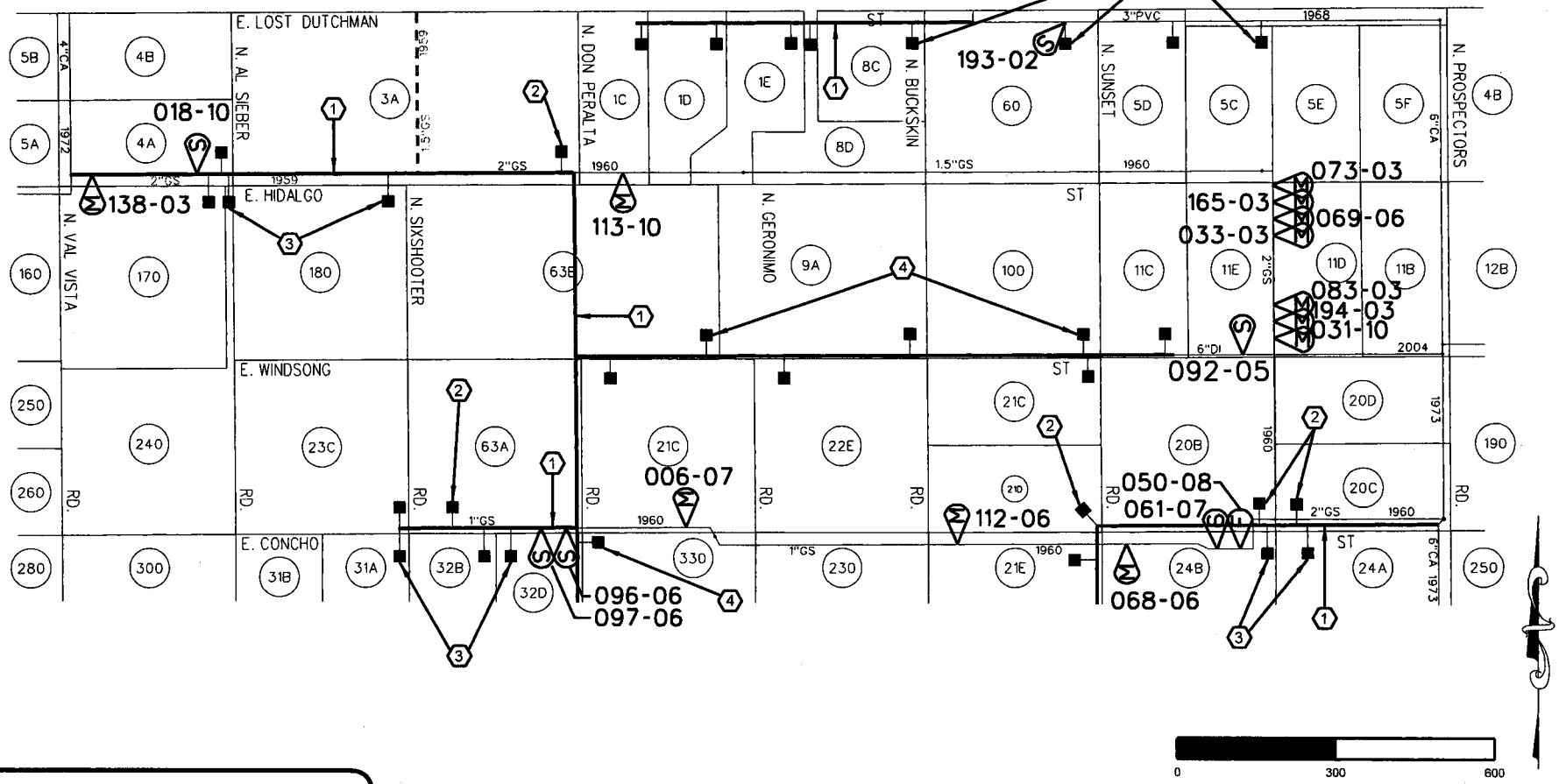
				-
				-
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	429,200
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	6,438
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	30,044
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 465,682**
(5) OVERHEAD - 15% OF LINE (4)	69,852
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	27,941
SUBTOTAL - LINES (4), (5) AND (6)	**$ 563,475**
ESTIMATED COST OF CONSTRUCTION	**$ 563,475**

AFH

PROJECT 9



QUANTITIES LIST

#		QTY.
1	INSTALL 6" DIP w/POLYWRAP	4,700 LF
2	REPLACE SHORT SERVICE	8 EA.
3	REPLACE LONG SERVICE	8 EA.
4	RELOCATE SHORT SERVICE	16 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S — SERVICE LINE REPAIR/REPLACEMENT

F — FITTING REPAIR/REPLACEMENT

M — WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION

INSTALL 4,700 LF OF 6" DIP w/POLYWRAP AND REPLACE 32 SERVICE CONNECTIONS ALONG HIDALGO STREET AND CONCHO STREET.

PROJECT LOCATION

N 1/2 SEC. 13-T.1N., R.8E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP SS - AJ 10

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	APACHE JUNCTION	SUPERSTITION

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
SE 1/4 SEC.9-T.1S., R.9E.	10	MAP SS-AJ 21

PROJECT DESCRIPTION:

REPLACE 46 SERVICE CONNECTIONS ALONG SUGAR CREEK DRIVE, PLEASANT PLACE AND BREATHLESS DRIVE.

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
27	EA	2,800	REPLACE SHORT SERVICE	$ 75,600
20	EA	3,500	REPLACE LONG SERVICE	70,000
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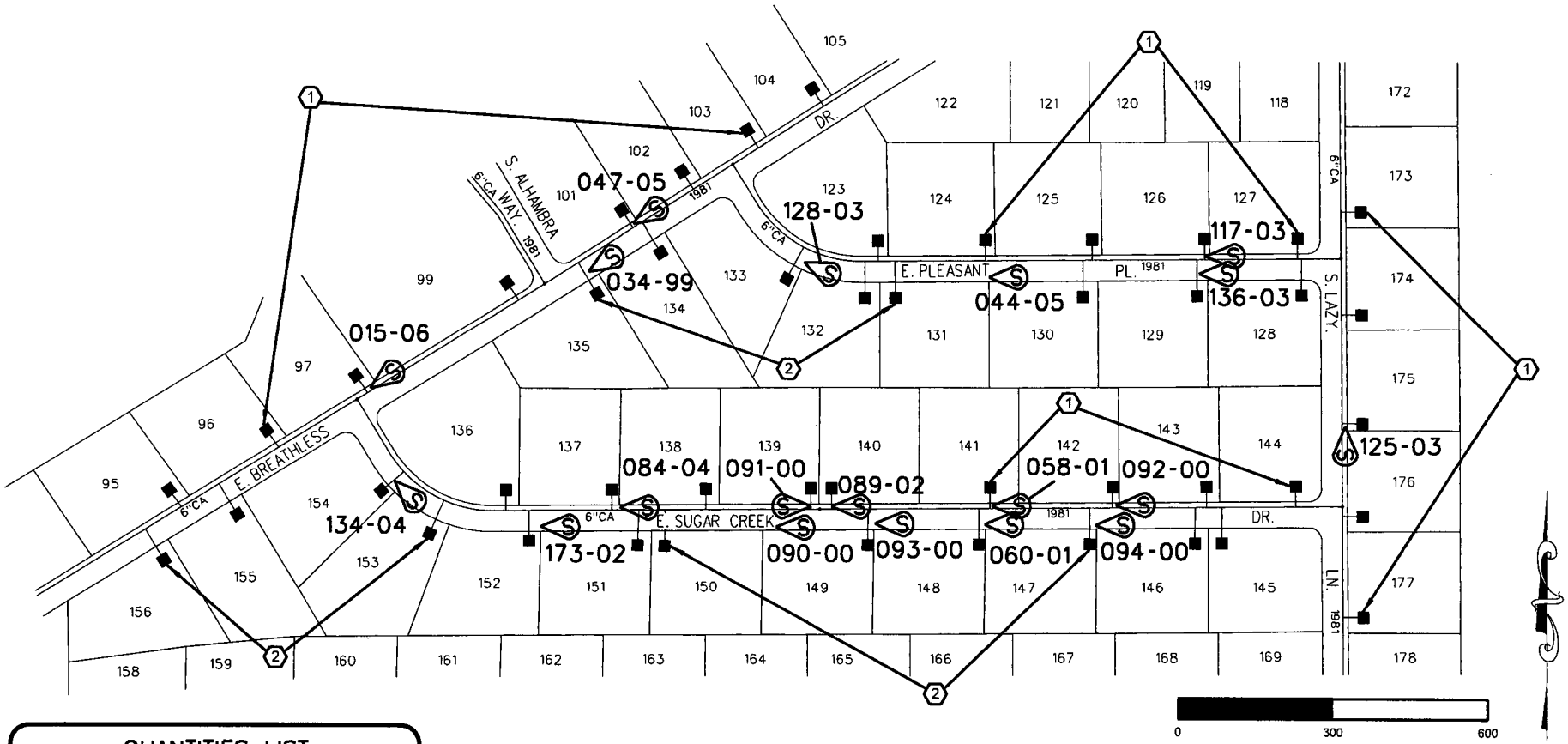
				-
				-
				-
				-
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	145,600
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	2,184
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	10,192
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 157,976**
(5) OVERHEAD - 15% OF LINE (4)	23,696
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	9,479
SUBTOTAL - LINES (4), (5) AND (6)	**$ 191,151**
ESTIMATED COST OF CONSTRUCTION	**$ 191,151**

AFH

PROJECT 10



QUANTITIES LIST

#		QTY.
1	REPLACE SHORT SERVICE	27 EA.
2	REPLACE LONG SERVICE	20 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S — SERVICE LINE REPAIR/REPLACEMENT

F — FITTING REPAIR/REPLACEMENT

M — WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION

REPLACE 47 SERVICE CONNECTIONS ALONG SUGAR CREEK DRIVE, PLEASANT PLACE AND BREATHLESS DRIVE.

PROJECT LOCATION

SE 1/4 SEC. 9-T.1S., R.9E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP SS - AJ 21

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	APACHE JUNCTION	SUPERSTITION

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
NW 1/4 SEC.19-T.1N., R.8E.	11	MAP SS-AJ 11

PROJECT DESCRIPTION:

REPLACE 101 SERVICE CONNECTIONS ALONG PINYON DRIVE AND VIRGINIA, SCENIC, CACTUS WREN, AND GREGORY STREETS.

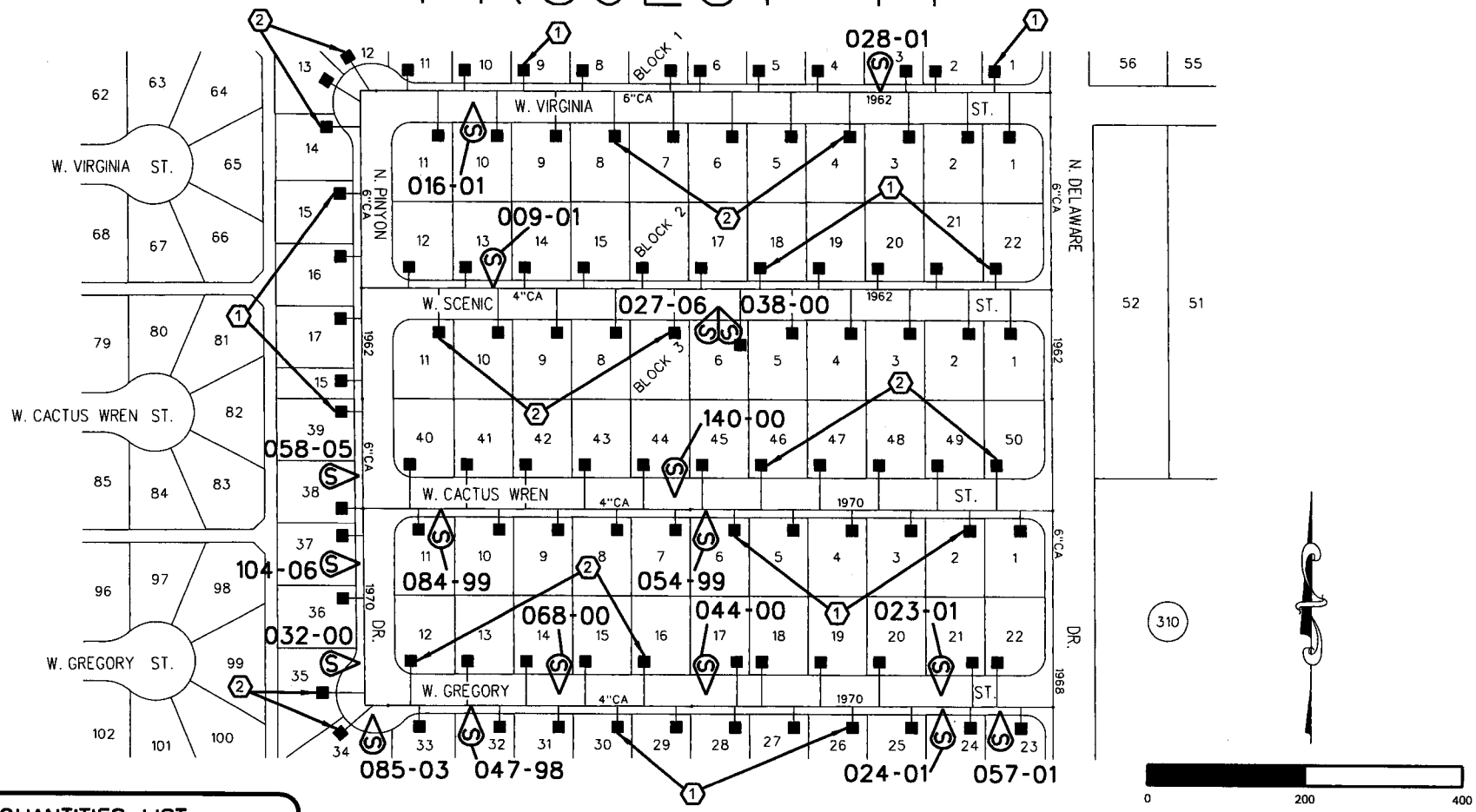
MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
52	EA	$ 2,800	REPLACE SHORT SERVICE	$ 145,600
49	EA	3,500	REPLACE LONG SERVICE	171,500
				-
				-
				-
				-
				-
				-
				-
				-
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	317,100
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	4,757
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	22,197
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 344,054**
(5) OVERHEAD - 15% OF LINE (4)	51,608
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	20,643
SUBTOTAL - LINES (4), (5) AND (6)	**$ 416,305**
ESTIMATED COST OF CONSTRUCTION	**$ 416,305**

AFH

PROJECT 11



QUANTITIES LIST

#		QTY.
1	REPLACE SHORT SERVICE	52 EA.
2	REPLACE LONG SERVICE	49 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S — SERVICE LINE REPAIR/REPLACEMENT

F — FITTING REPAIR/REPLACEMENT

M — WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION

REPLACE 101 SERVICE CONNECTIONS ALONG PINYON DRIVE AND VIRGINIA, SCENIC, CACTUS WREN, AND GREGORY STREETS.

PROJECT LOCATION

NW 1/4 SEC. 19-T.1N., R.8E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP SS - AJ 11

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED: 7/15/11			
PREPARED BY: AJH	APPROVED BY: FKS	SYSTEM: APACHE JUNCTION	DIVISION: SUPERSTITION
PROJECT LOCATION: SE 1/4 SEC.24-T.1N., R.8E.		PROJECT NUMBER: 12	REFERENCE MAP: MAP SS-AJ 16

PROJECT DESCRIPTION:

REPLACE 44 SERVICE CONNECTIONS IN PERALTA ESTATES UNIT TWO.

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
21	EA	$ 2,800	REPLACE SHORT SERVICE	$ 58,800
23	EA	3,500	REPLACE LONG SERVICE	80,500
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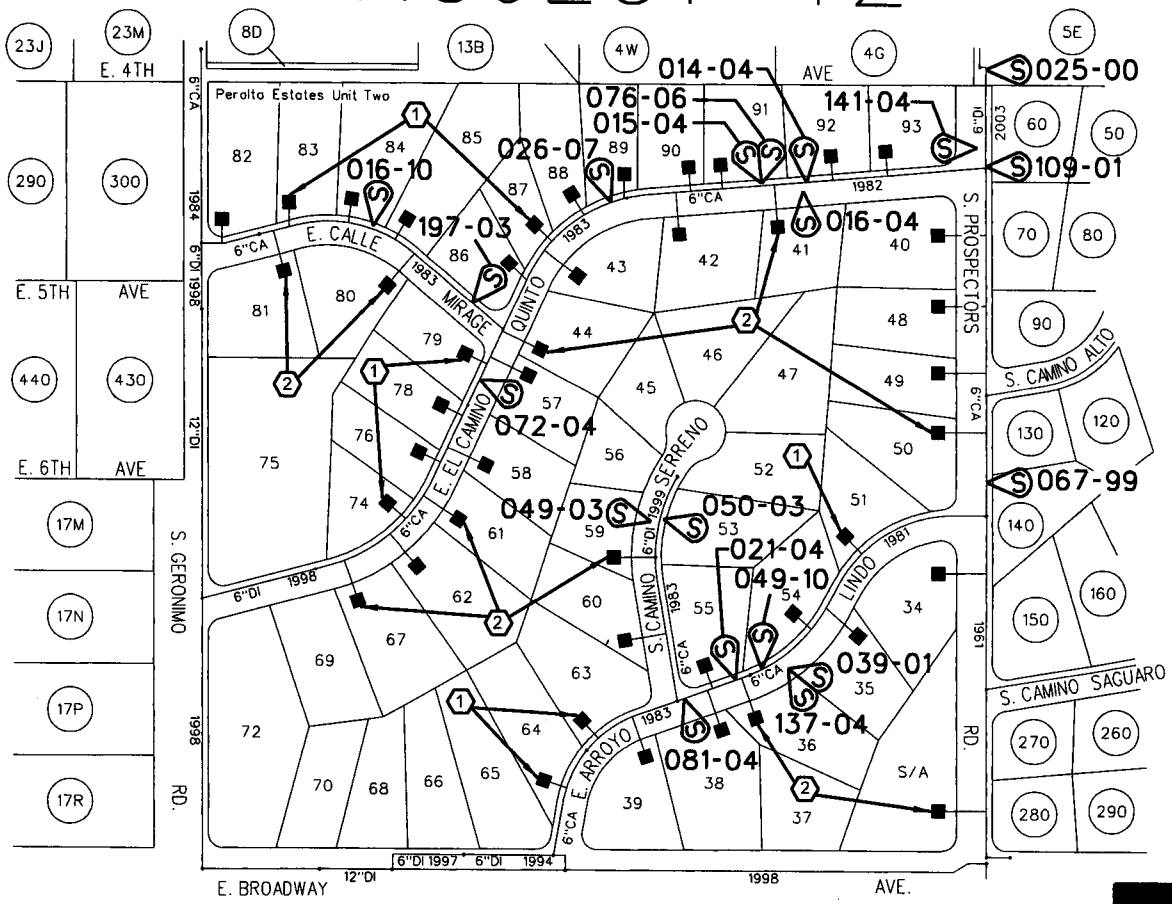
(1) **SUBTOTAL - MATERIALS AND LABOR**	139,300
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	2,090
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	9,751
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 151,141**
(5) OVERHEAD - 15% OF LINE (4)	22,671
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	9,068
SUBTOTAL - LINES (4), (5) AND (6)	**$ 182,880**
ESTIMATED COST OF CONSTRUCTION	**$ 182,880**

AFH

PROJECT 12



QUANTITIES LIST

#		QTY.
1	REPLACE SHORT SERVICE	21 EA.
2	REPLACE LONG SERVICE	23 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

SERVICE LINE REPAIR/REPLACEMENT

FITTING REPAIR/REPLACEMENT

WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION

REPLACE 44 SERVICE CONNECTIONS
IN PERALTA ESTATES UNIT TWO.

PROJECT LOCATION

SE 1/4 SEC. 24-T.1N., R.8E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP SS - AJ 16

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	MIAMI	SUPERSTITION

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
SW 1/4 SEC.27-T.1N., R.15E.	13	MAP SS-MI 10

PROJECT DESCRIPTION:

INSTALL 1,050 LF OF 6-INCH DIP w/POLYWRAP AND REPLACE 23 SERVICE CONNECTIONS ALONG SNEDDEN AVENUE EAST OF RUSSELL AVENUE.

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
1,050	LF	$ 68	6" DIP w/POLYWRAP	$ 71,400
10	EA	2,800	REPLACE SHORT SERVICE	28,000
13	EA	3,500	REPLACE LONG SERVICE	45,500
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				-
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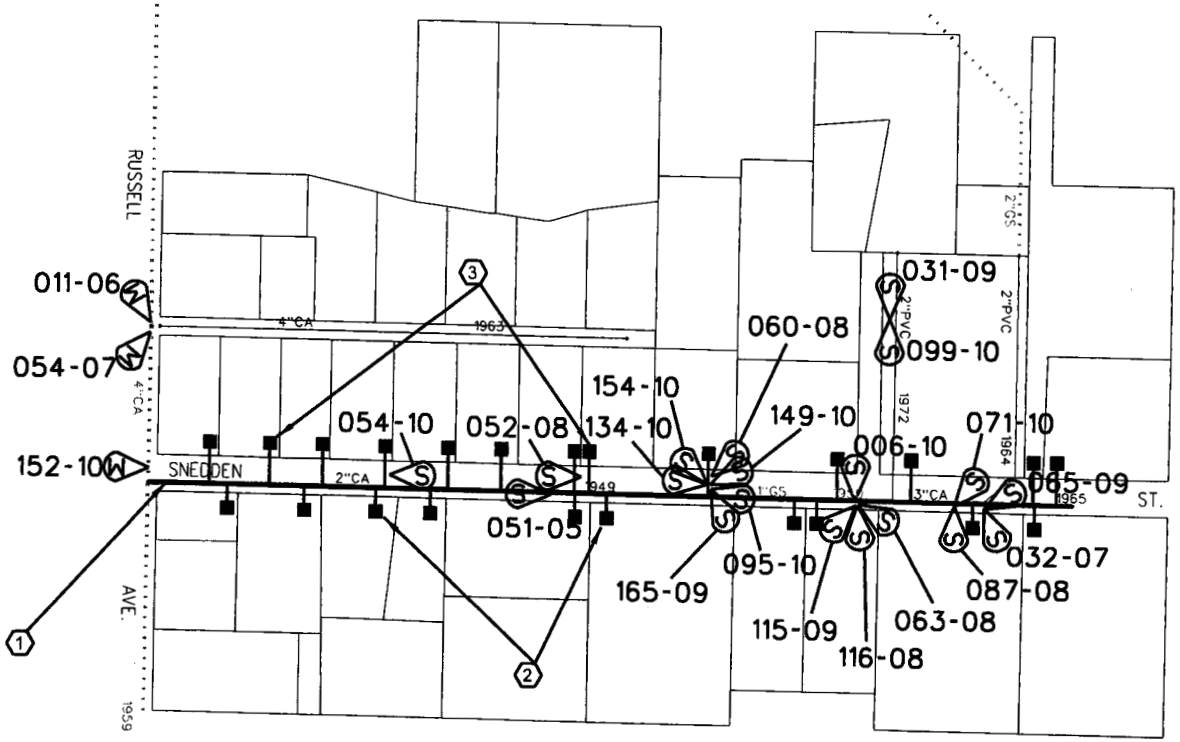
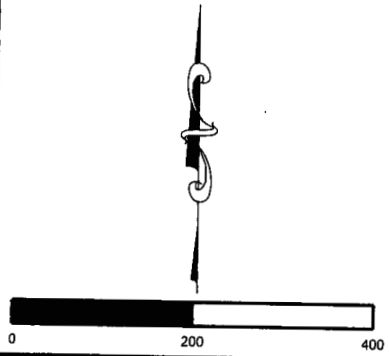
(1) **SUBTOTAL - MATERIALS AND LABOR**	144,900
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	2,174
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	10,143
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 157,217**
(5) OVERHEAD - 15% OF LINE (4)	23,582
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	9,433
SUBTOTAL - LINES (4), (5) AND (6)	**$ 190,232**
ESTIMATED COST OF CONSTRUCTION	**$ 190,232**

AFH

PROJECT 13





QUANTITIES LIST

#		QTY.
1	INSTALL 6" DIP w/POLYWRAP	1,050 LF
2	REPLACE SHORT SERVICE	10 EA.
3	REPLACE LONG SERVICE	13 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S — SERVICE LINE REPAIR/REPLACEMENT

F — FITTING REPAIR/REPLACEMENT

M — WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION

INSTALL 1,050 LF OF 6" DIP w/POLYWRAP AND REPLACE 23 SERVICE CONNECTIONS ALONG SNEDDEN AVENUE EAST OF RUSSELL AVENUE.

PROJECT LOCATION

SW 1/4 SEC. 27-T.1N., R.15E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP SS - MI 10

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	APACHE JUNCTION	SUPERSTITION

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
SW 1/4 SEC.20-T.1N., R.8E.	14	MAP SS-AJ 12

PROJECT DESCRIPTION:

REPLACE 121 SERVICE CONNECTIONS ALONG COPPER, GOLD AND SILVER DRIVES.

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
51	EA	$ 2,800	REPLACE SHORT SERVICE	$ 142,800
70	EA	3,500	REPLACE LONG SERVICE	245,000
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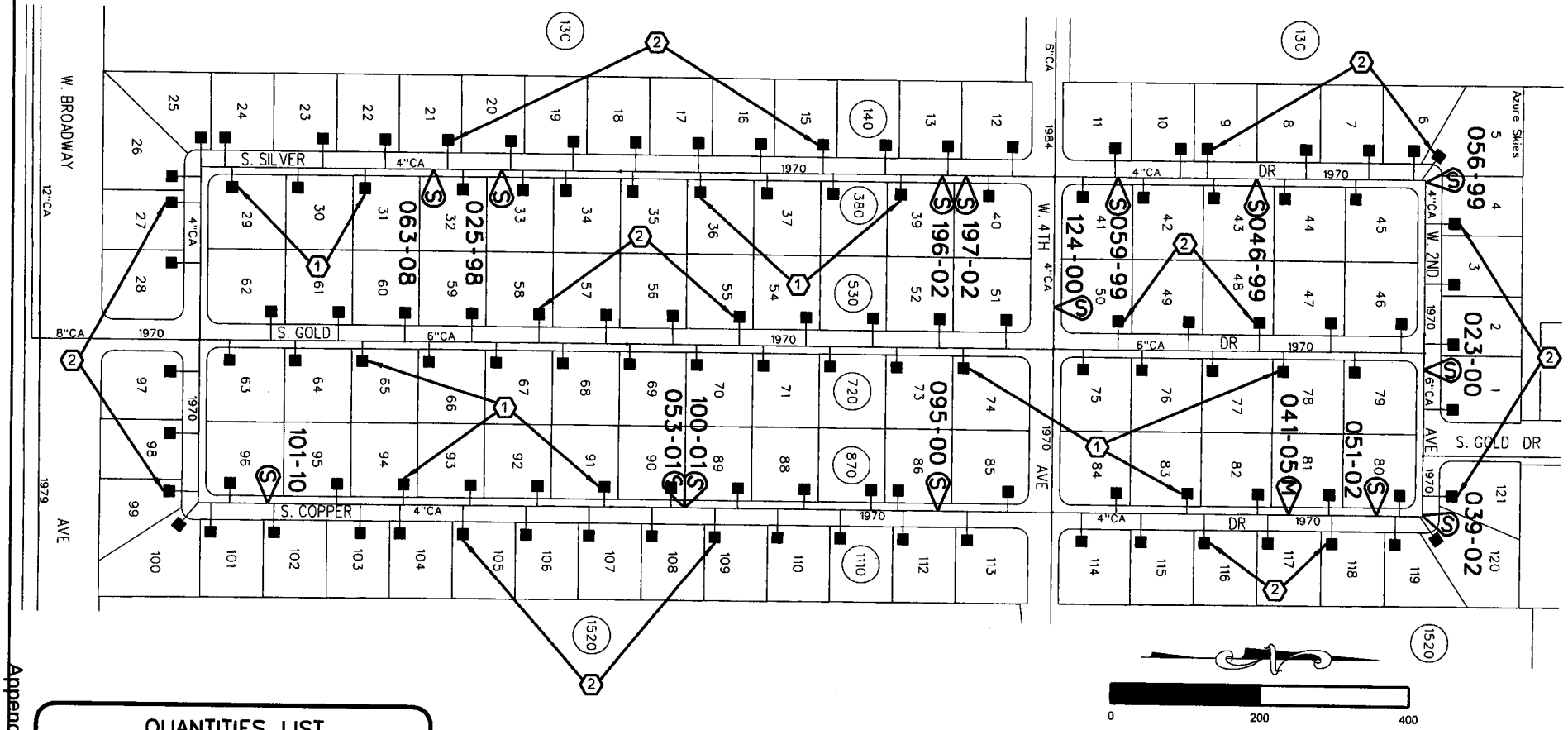
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	387,800
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	5,817
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	27,146
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 420,763**
(5) OVERHEAD - 15% OF LINE (4)	63,114
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	25,246
SUBTOTAL - LINES (4), (5) AND (6)	**$ 509,123**
ESTIMATED COST OF CONSTRUCTION	**$ 509,123**

AFH

PROJECT 14



QUANTITIES LIST

#		QTY.
1	REPLACE SHORT SERVICE	51 EA.
2	REPLACE LONG SERVICE	70 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S — SERVICE LINE REPAIR/REPLACEMENT

F — FITTING REPAIR/REPLACEMENT

M — WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION
REPLACE 121 SERVICE CONNECTIONS ALONG COPPER, GOLD, AND SILVER DRIVES.

PROJECT LOCATION
SW 1/4 SEC. 20-T.1N., R.8E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP SS - AJ 12

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	MIAMI	SUPERSTITION

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
SE 1/4 SEC.22-T.1N., R.15E.	15	MAP SS-MI 5

PROJECT DESCRIPTION:

REPLACE 18 SERVICE CONNECTIONS ALONG MCKINNEY AVENUE FROM BRALEY STREET TO HILL STREET.

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
9	EA	2,800	REPLACE SHORT SERVICE	$ 25,200
9	EA	3,500	REPLACE LONG SERVICE	31,500
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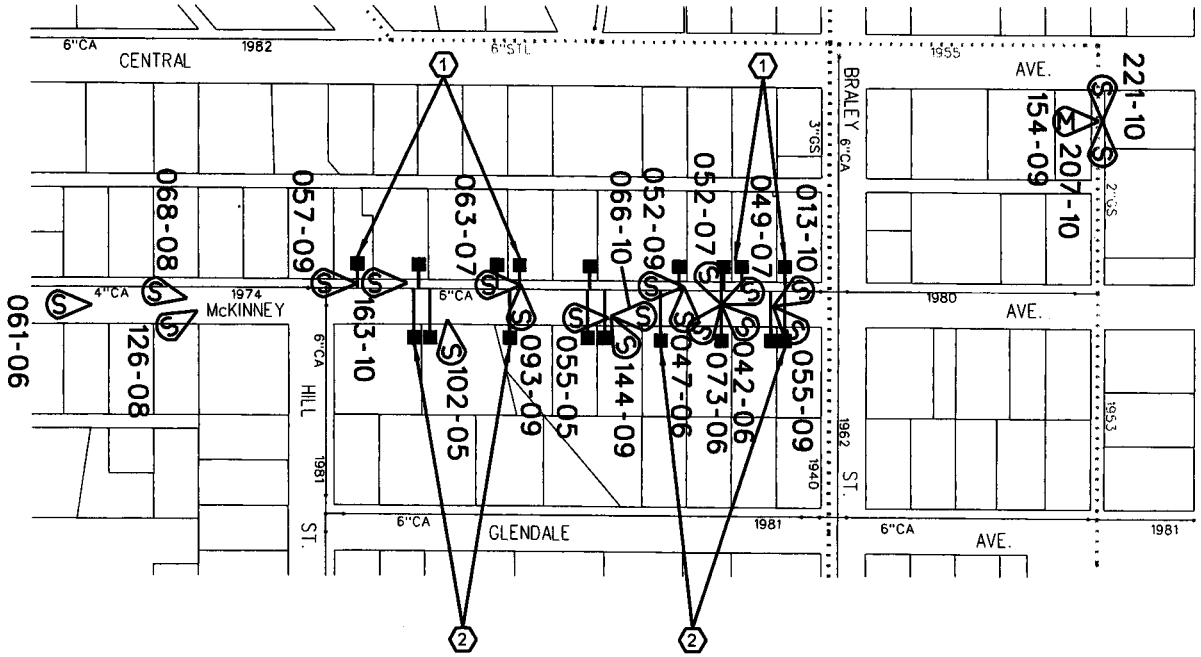
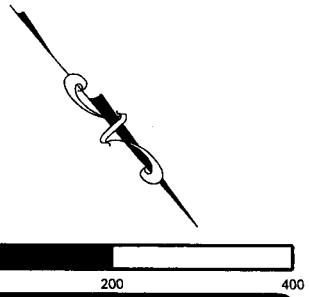
				-
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	56,700
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	851
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	3,969
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 61,520**
(5) OVERHEAD - 15% OF LINE (4)	9,228
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	3,691
SUBTOTAL - LINES (4), (5) AND (6)	**$ 74,439**
ESTIMATED COST OF CONSTRUCTION	**$ 74,439**

AFH

PROJECT 15





QUANTITIES LIST

#		QTY.
1	REPLACE SHORT SERVICE	9 EA.
2	REPLACE LONG SERVICE	9 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S — SERVICE LINE REPAIR/REPLACEMENT

F — FITTING REPAIR/REPLACEMENT

M — WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION

REPLACE 18 SERVICE CONNECTIONS
ALONG MCKINNEY AVENUE FROM BRALEY STREET TO HILL STREET.

PROJECT LOCATION

SE 1/4 SEC. 22-T.1N., R.15E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP SS - MI 5

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	MIAMI	SUPERSTITION

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
NW 1/4 SEC.29-T.1N., R.15E.	16	MAP SS-MI 8

PROJECT DESCRIPTION:

INSTALL 250 LF OF 6-INCH DIP w/POLYWRAP AND REPLACE 6 SERVICE CONNECTIONS ALONG MONROE STREET FROM MIAMI STREET TO MARION STREET.

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
250	LF	$ 68	6" DIP w/POLYWRAP	$ 17,000
4	EA	2,800	REPLACE SHORT SERVICE	11,200
2	EA	3,500	REPLACE LONG SERVICE	7,000
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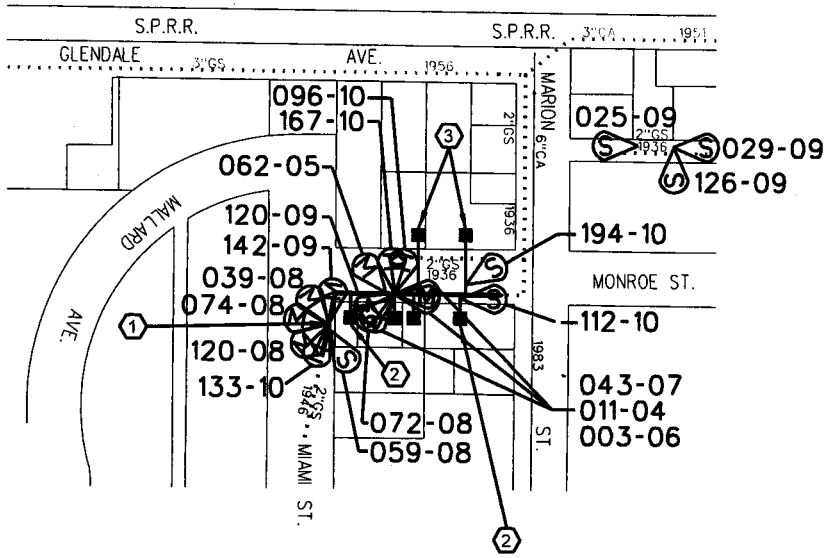
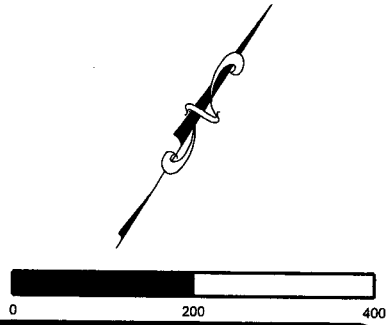
				-
				-
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	35,200
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	528
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	2,464
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 38,192**
(5) OVERHEAD - 15% OF LINE (4)	5,729
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	2,292
SUBTOTAL - LINES (4), (5) AND (6)	**$ 46,212**
ESTIMATED COST OF CONSTRUCTION	**$ 46,212**

AFH

PROJECT 16





QUANTITIES LIST

#		QTY.
1	INSTALL 6" DIP w/POLYWRAP	250 LF
2	REPLACE SHORT SERVICE	4 EA.
3	REPLACE LONG SERVICE	2 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S — SERVICE LINE REPAIR/REPLACEMENT

F — FITTING REPAIR/REPLACEMENT

M — WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION
INSTALL 250 LF OF 6" DIP w/POLYWRAP AND REPLACE 6 SERVICE CONNECTIONS ALONG MONROE STREET FROM MIAMI STREET TO MARION STREET.

PROJECT LOCATION
NW 1/4 SEC. 29-T.1N., R.15E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/1/2011	MAP SS - MI 8

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	APACHE JUNCTION	SUPERSTITION

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
SW 1/4 SEC.9-T.1S., R.9E.	17	MAP SS-AJ 21

PROJECT DESCRIPTION:

REPLACE 25 SERVICE CONNECTIONS ALONG SLEEPY HOLLOW TRAIL AND LAZY LANE.

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
13	EA	2,800	REPLACE SHORT SERVICE	$ 36,400
12	EA	3,500	REPLACE LONG SERVICE	42,000
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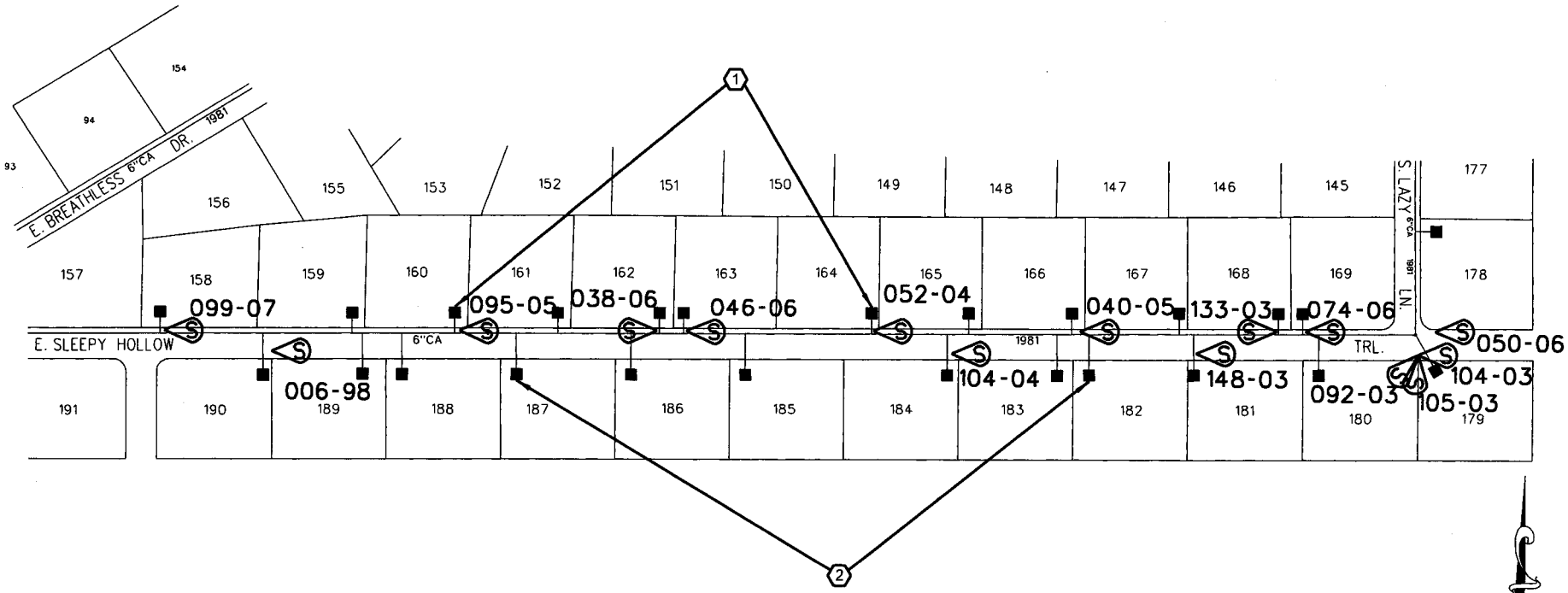
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	78,400
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	1,176
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	5,488
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 85,064**
(5) OVERHEAD - 15% OF LINE (4)	12,760
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	5,104
SUBTOTAL - LINES (4), (5) AND (6)	**$ 102,927**
ESTIMATED COST OF CONSTRUCTION	**$ 102,927**

AFH

PROJECT 17



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QUANTITIES LIST

#		QTY.
1	REPLACE SHORT SERVICE	13 EA.
2	REPLACE LONG SERVICE	12 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S SERVICE LINE REPAIR/REPLACEMENT

F FITTING REPAIR/REPLACEMENT

M WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION

REPLACE 25 SERVICE CONNECTIONS ALONG SLEEPY HOLLOW TRAIL AND LAZY LANE.

PROJECT LOCATION

SE 1/4 SEC. 9-T.1S., R.9E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP SS - AJ 21

ARIZONA WATER COMPANY
PRELIMINARY COST ESTIMATE

DATE PREPARED: 7/15/11			
PREPARED BY: AJH	APPROVED BY: FKS	SYSTEM: APACHE JUNCTION	DIVISION: SUPERSTITION
PROJECT LOCATION: SE 1/4 SEC.9-T.1S., R.9E.		PROJECT NUMBER: 18	REFERENCE MAP: MAP SS-AJ 17

PROJECT DESCRIPTION:

REPLACE 21 SERVICE CONNECTIONS ALONG HIDEAWAY LANE, LAZY LANE AND BREATHLESS DRIVE.

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
13	EA	$ 2,800	REPLACE SHORT SERVICE	$ 36,400
8	EA	3,500	REPLACE LONG SERVICE	28,000
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				-
				-
				-
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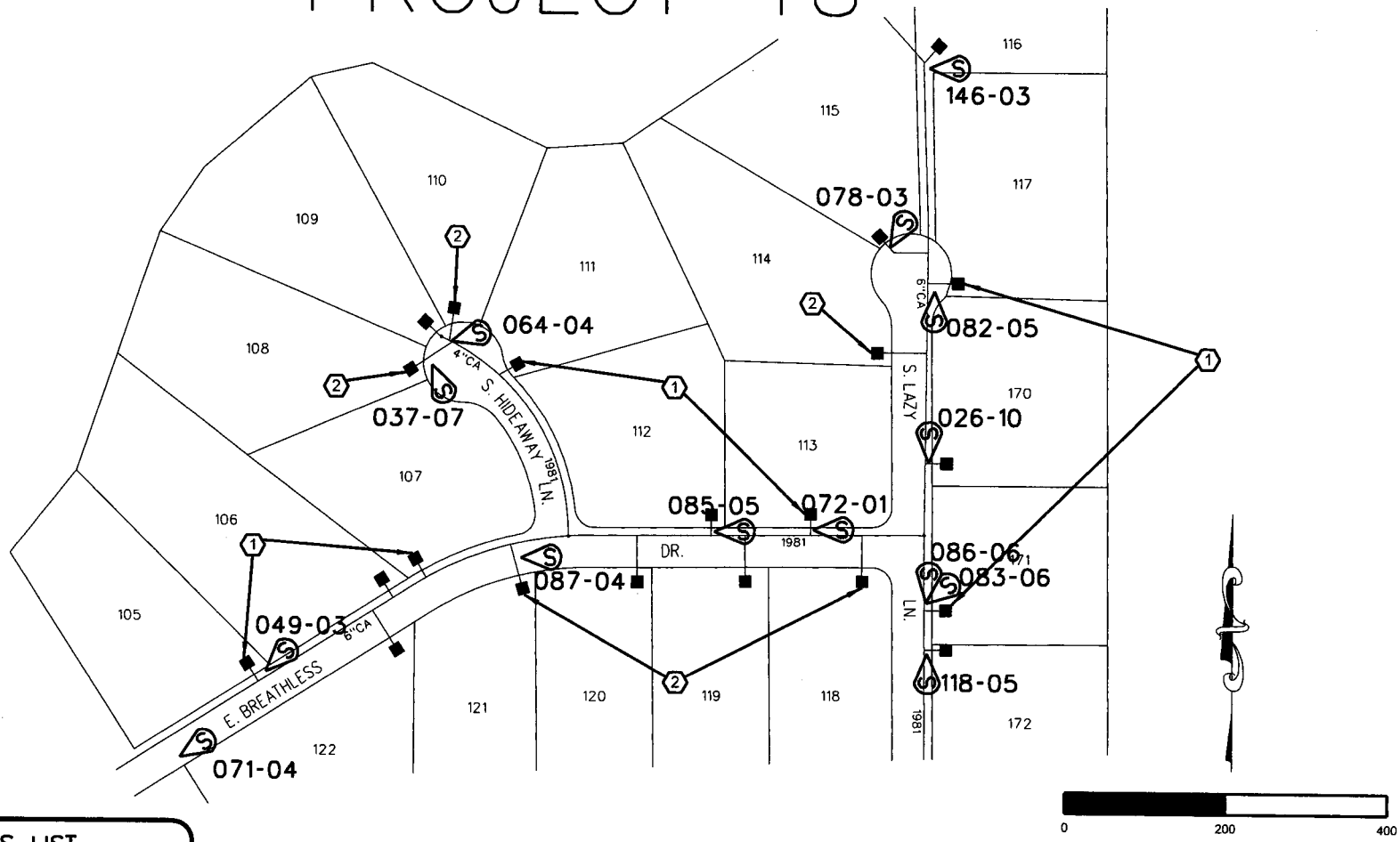
				-
				-
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	64,400
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	966
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	4,508
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 69,874**
(5) OVERHEAD - 15% OF LINE (4)	10,481
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	4,192
SUBTOTAL - LINES (4), (5) AND (6)	**$ 84,548**
ESTIMATED COST OF CONSTRUCTION	**$ 84,548**

AFH

PROJECT 18



QUANTITIES LIST

#		QTY.
1	REPLACE SHORT SERVICE	13 EA.
2	REPLACE LONG SERVICE	8 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S — SERVICE LINE REPAIR/REPLACEMENT

F — FITTING REPAIR/REPLACEMENT

M — WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION

REPLACE 21 SERVICE CONNECTIONS ALONG HIDEAWAY LANE, LAZY LANE AND BREATHLESS DRIVE.

PROJECT LOCATION

SE 1/4 SEC. 9-T.1S., R.9E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP SS - AJ 17

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	SUPERIOR	SUPERSTITION

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
NE 1/4 SEC.3-T.2S., R.12E.	19	MAP SS-SU 4

PROJECT DESCRIPTION:

INSTALL 1,350 LF OF 6-INCH DIP w/POLYWRAP AND REPLACE 25 SERVICE CONNECTIONS ALONG STONE AVENUE FROM KISER STREET TO MOFATT STREET.

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
1,350	LF	$ 68	6" DIP w/POLYWRAP	$ 91,800
14	EA	2,800	REPLACE SHORT SERVICE	39,200
11	EA	3,500	REPLACE LONG SERVICE	38,500
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				-
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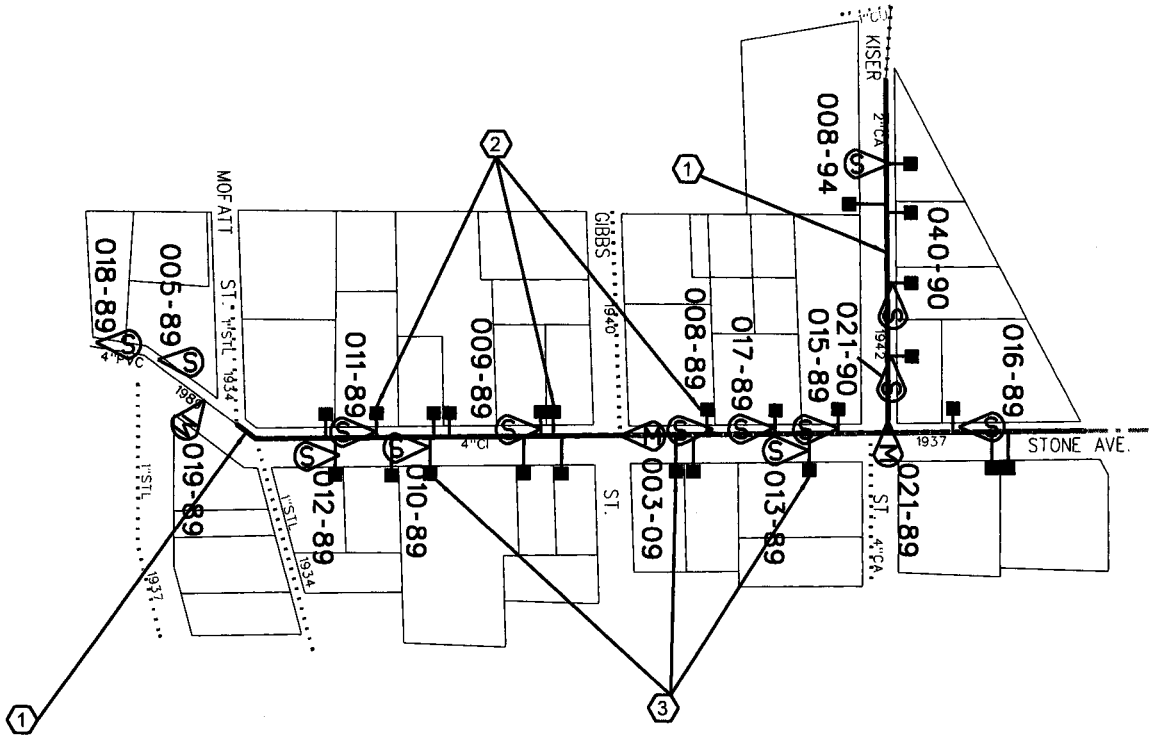
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	169,500
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	2,543
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	11,865
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 183,908**
(5) OVERHEAD - 15% OF LINE (4)	27,586
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	11,034
SUBTOTAL - LINES (4), (5) AND (6)	**$ 222,528**
ESTIMATED COST OF CONSTRUCTION	**$ 222,528**

AFH

PROJECT 19



0 200 400

QUANTITIES LIST

#		QTY.
1	INSTALL 6" DIP w/POLYWRAP	1,350 LF
2	REPLACE SHORT SERVICE	14 EA.
3	REPLACE LONG SERVICE	11 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S — SERVICE LINE REPAIR/REPLACEMENT

F — FITTING REPAIR/REPLACEMENT

M — WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION
INSTALL 1,350 LF OF 6" DIP w/POLYWRAP AND REPLACE 25 SERVICE CONNECTIONSALONG STONE AVENUE FROM KISER STREET TO MOFATT STREET.

PROJECT LOCATION
NE 1/4 SEC. 3-T.2S., R.12E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP SS - SU 4

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	MIAMI	SUPERSTITION

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
SE 1/4 SEC.22-T.1N., R.15E.	20	MAP SS-MI 5

PROJECT DESCRIPTION:

INSTALL 550 LF OF 6-INCH DIP w/POLYWRAP AND REPLACE 25 SERVICE CONNECTIONS ALONG CENTRAL AVENUE FROM BRALEY STREET TO MONROE STREET.

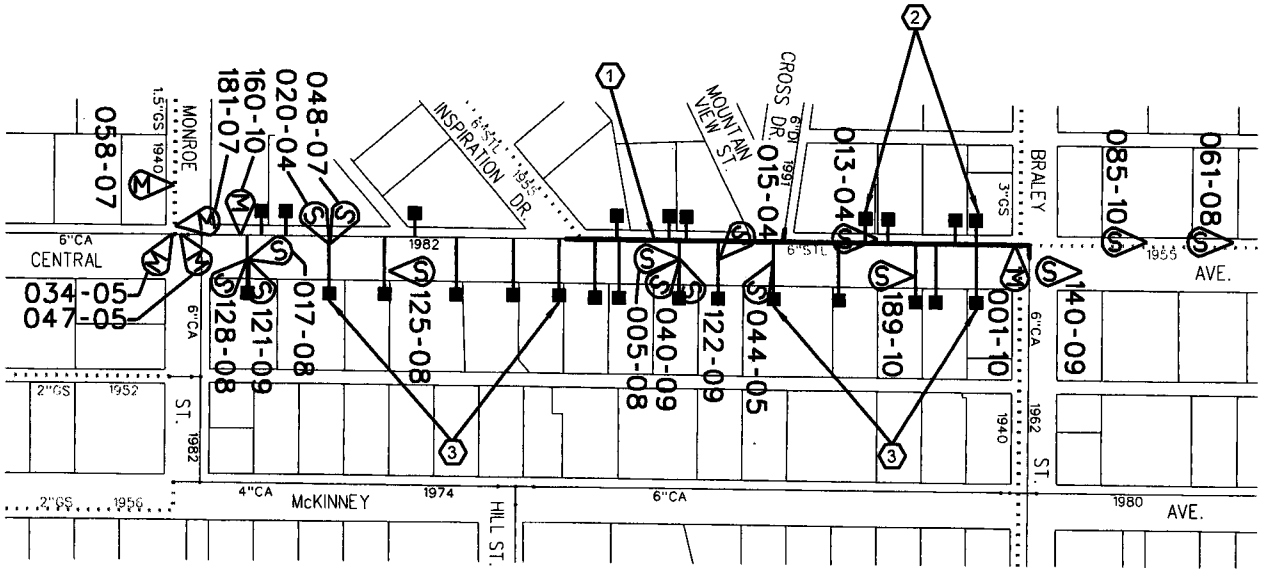
MATERIALS AND LABOR

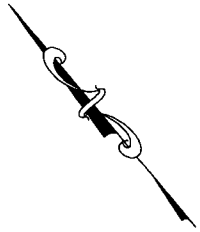
QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
550	LF	$ 68	6" DIP w/POLYWRAP	$ 37,400
10	EA	2,800	REPLACE SHORT SERVICE	28,000
15	EA	3,500	REPLACE LONG SERVICE	52,500
				-
				-
				-
				-
				-
				-
				-
				-
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	117,900
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	1,769
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	8,253
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 127,922**
(5) OVERHEAD - 15% OF LINE (4)	19,188
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	7,675
SUBTOTAL - LINES (4), (5) AND (6)	**$ 154,785**
ESTIMATED COST OF CONSTRUCTION	**$ 154,785**

AFH

PROJECT 20





0 200 400

QUANTITIES LIST

#		QTY.
1	INSTALL 6" DIP w/POLYWRAP	550 LF
2	REPLACE SHORT SERVICE	10 EA.
3	REPLACE LONG SERVICE	15 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S SERVICE LINE REPAIR/REPLACEMENT

F FITTING REPAIR/REPLACEMENT

M WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION
INSTALL 550 LF OF 6" DIP w/POLYWRAP AND REPLACE 25 SERVICE CONNECTIONS ALONG CENTRAL AVENUE FROM BRALEY STREET TO MONROE STREET.

PROJECT LOCATION
SE 1/4 SEC. 22-T.1N., R.15E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP SS - MI 5

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	MIAMI	SUPERSTITION

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
W 1/2 SEC.30-T.1N., R.15E	21	MAP SS-MI 7

INSTALL 1,700 LF OF 6-INCH DIP w/POLYWRAP AND REPLACE 33 SERVICE CONNECTIONS ALONG ORPHAN STREET AND KENZIE AVENUE.

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
1,700	LF	$ 68	6" DIP w/POLYWRAP	$ 115,600
25	EA	2,800	REPLACE SHORT SERVICE	70,000
8	EA	3,500	REPLACE LONG SERVICE	28,000
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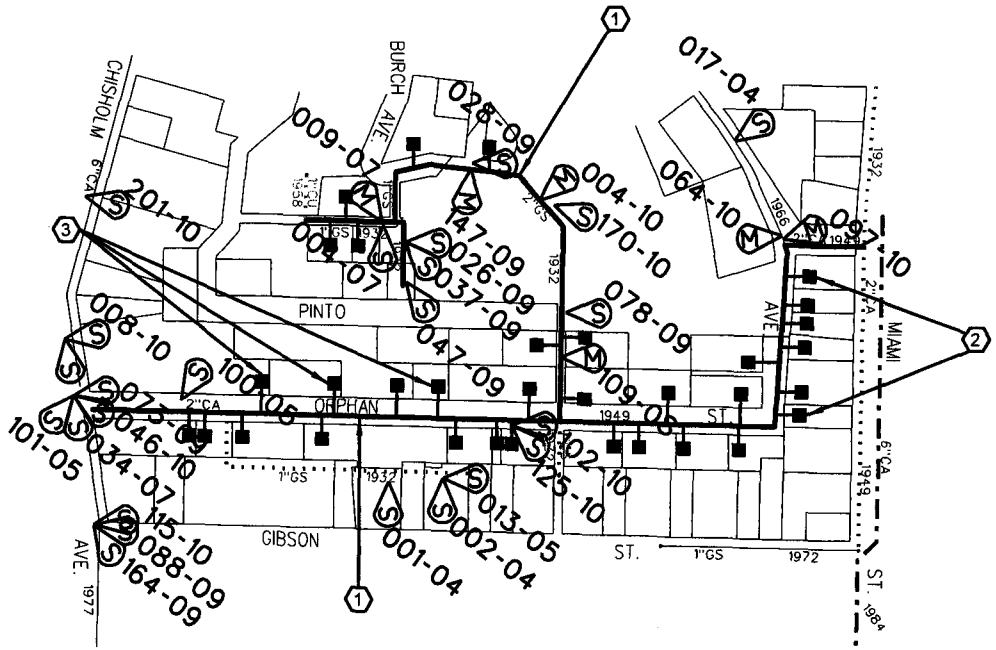
(1) **SUBTOTAL - MATERIALS AND LABOR**	213,600
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	3,204
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	14,952
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 231,756**
(5) OVERHEAD - 15% OF LINE (4)	34,763
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	13,905
SUBTOTAL - LINES (4), (5) AND (6)	**$ 280,425**
ESTIMATED COST OF CONSTRUCTION	**$ 280,425**

AFH

PROJECT 21



QUANTITIES LIST		
#		QTY.
1	INSTALL 6" DIP w/POLYWRAP	1,700 LF
2	REPLACE SHORT SERVICE	25 EA.
3	REPLACE LONG SERVICE	8 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S — SERVICE LINE REPAIR/REPLACEMENT

F — FITTING REPAIR/REPLACEMENT

M — WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

0 200 400

ARIZONA WATER COMPANY

PROJECT DESCRIPTION

INSTALL 1,700 LF OF 6" DIP w/POLYWRAP AND REPLACE 33 SERVICE CONNECTIONS ALONG ORPHAN STREET AND KENZIE AVENUE.

PROJECT LOCATION

W 1/2 SEC. 30-T.1N., R.15E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP SS - MI 7

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	MIAMI	SUPERSTITION

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
SW 1/4 SEC.30-T.1N., R.15E. NW 1/4 SEC.31-T.1N., R.15E.	22	MAP SS-MI 7 MAP SS-MI 12

PROJECT DESCRIPTION:

INSTALL 2,750 LF OF 6-INCH DIP w/POLYWRAP AND REPLACE 53 SERVICE CONNECTIONS ALONG FREDRIC STREET AND BIRD STREET.

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
2,750	LF	$ 68	6" DIP w/POLYWRAP	$ 187,000
27	EA	2,800	REPLACE SHORT SERVICE	75,600
26	EA	3,500	REPLACE LONG SERVICE	91,000
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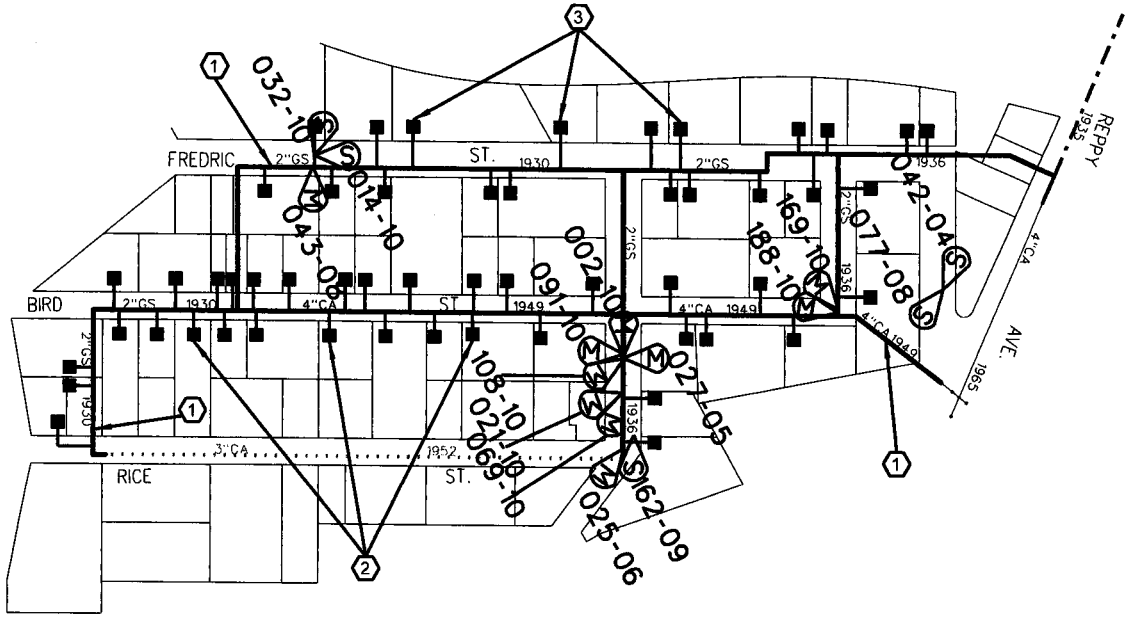
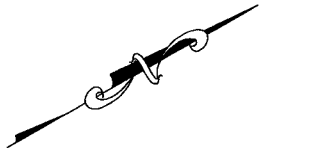
(1) **SUBTOTAL - MATERIALS AND LABOR**	353,600
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	5,304
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	24,752
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 383,656**
(5) OVERHEAD - 15% OF LINE (4)	57,548
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	23,019
SUBTOTAL - LINES (4), (5) AND (6)	**$ 464,224**
ESTIMATED COST OF CONSTRUCTION	**$ 464,224**

AFH

PROJECT 22





QUANTITIES LIST

#		QTY.
1	INSTALL 6" DIP w/POLYWRAP	2,750 LF
2	REPLACE SHORT SERVICE	27 EA.
3	REPLACE LONG SERVICE	26 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S — SERVICE LINE REPAIR/REPLACEMENT

F — FITTING REPAIR/REPLACEMENT

M — WATER MAIN REPAIR/REPLACEMENT

021-10 — LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION

INSTALL 2,750 LF OF 6" DIP w/POLYWRAP AND REPLACE 53 SERVICE CONNECTIONS ALONG FREDRIC STREET AND BIRD STREET.

PROJECT LOCATION

SW 1/4 SEC. 30-T.1N., R.15E.
NW 1/4 SEC. 31-T.1N., R.15E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP SS - MI 7 & MI 12

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	MIAMI	SUPERSTITION

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
SE 1/4 SEC.22-T.1N., R.15E.	23	MAP SS-MI 5

PROJECT DESCRIPTION:

REPLACE 17 SERVICE CONNECTIONS ALONG GLENDALE AVENUE FROM BRALEY STREET TO HILL STREET.

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
9	EA	2,800	REPLACE SHORT SERVICE	$ 25,200
8	EA	3,500	REPLACE LONG SERVICE	28,000
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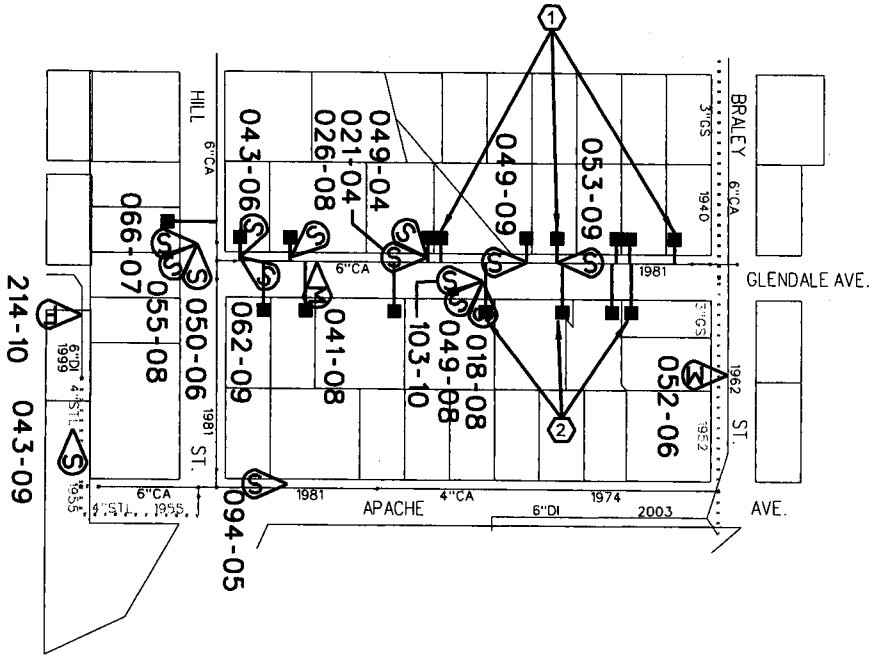
(1) **SUBTOTAL - MATERIALS AND LABOR**	53,200
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	798
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	3,724
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 57,722**
(5) OVERHEAD - 15% OF LINE (4)	8,658
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	3,463
SUBTOTAL - LINES (4), (5) AND (6)	**$ 69,844**
ESTIMATED COST OF CONSTRUCTION	**$ 69,844**

AFH

PROJECT 23



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QUANTITIES LIST

#		QTY.
1	REPLACE SHORT SERVICE	9 EA.
2	REPLACE LONG SERVICE	8 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S SERVICE LINE REPAIR/REPLACEMENT

F FITTING REPAIR/REPLACEMENT

M WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION

REPLACE 17 SERVICE CONNECTIONS
ALONG GLENDALE AVENUE FROM BRALEY STREET TO HILL STREET.

PROJECT LOCATION

SE 1/4 SEC. 22-T.1N., R.15E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP SS - MI 5

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	MIAMI	SUPERSTITION

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
NW 1/4 SEC.27-T.1N., R.15E.	24	MAP SS-MI 10

PROJECT DESCRIPTION:

INSTALL 600 LF OF 6-INCH DIP W/POLYWRAP AND REPLACE 11 SERVICE CONNECTIONS ALONG STORY STREET EAST OF RUSSELL AVENUE.

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
600	LF	$ 68	6" DIP W/POLYWRAP	$ 40,800
6	EA	2,800	REPLACE SHORT SERVICE	16,800
5	EA	3,500	REPLACE LONG SERVICE	17,500
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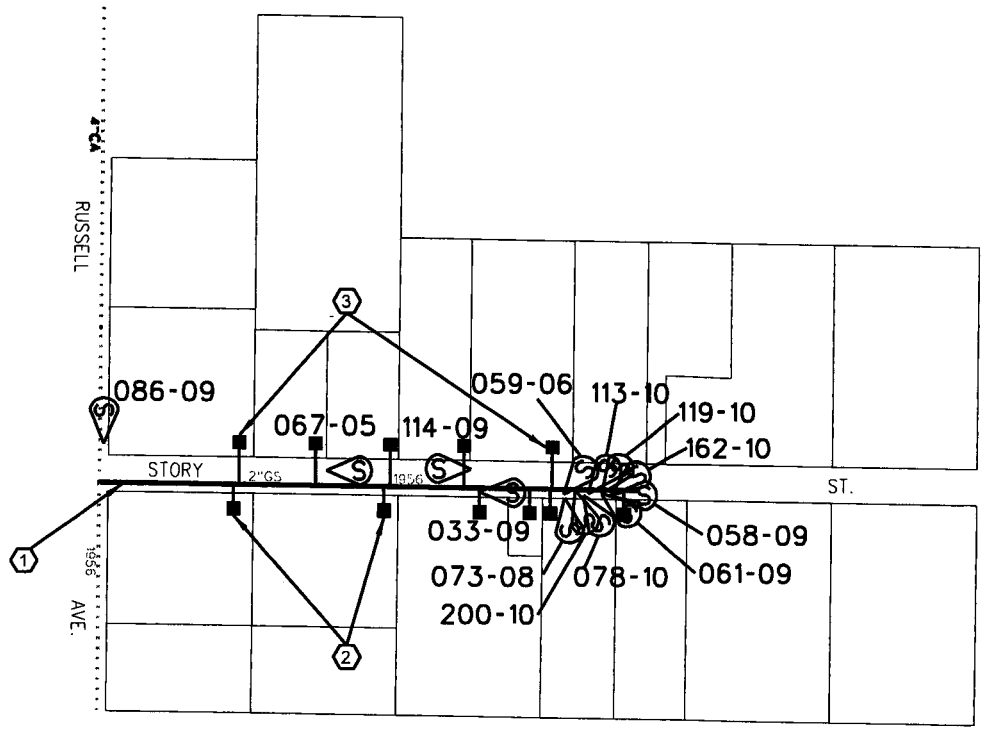
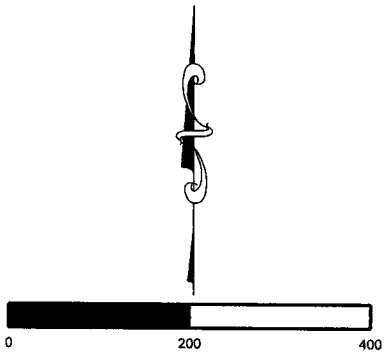
(1) **SUBTOTAL - MATERIALS AND LABOR**	75,100
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	1,127
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	5,257
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 81,484**
(5) OVERHEAD - 15% OF LINE (4)	12,223
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	4,889
SUBTOTAL - LINES (4), (5) AND (6)	**$ 98,595**
ESTIMATED COST OF CONSTRUCTION	**$ 98,595**

AFH

PROJECT 24





QUANTITIES LIST

#		QTY.
1	INSTALL 6" DIP w/POLYWRAP	600 LF
2	REPLACE SHORT SERVICE	6 EA.
3	REPLACE LONG SERVICE	5 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S — SERVICE LINE REPAIR/REPLACEMENT

F — FITTING REPAIR/REPLACEMENT

M — WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION

INSTALL 600 LF OF 6" DIP w/POLYWRAP AND REPLACE 11 SERVICE CONNECTIONS ALONG STORY STREET EAST OF RUSSELL AVENUE.

PROJECT LOCATION

NW 1/4 SEC. 27-T.1N., R.15E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP SS - MI 10

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	APACHE JUNCTION	SUPERSTITION

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
SE 1/4 SEC.24-T.1N., R.7E.	25	MAP SS-AJ 4

PROJECT DESCRIPTION:

REPLACE 48 SERVICE CONNECTIONS ALONG MOUNTAIN ROAD, ELMONT DRIVE AND MALCOLM DRIVE.

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
29	EA	$ 2,800	REPLACE SHORT SERVICE	$ 81,200
19	EA	3,500	REPLACE LONG SERVICE	66,500
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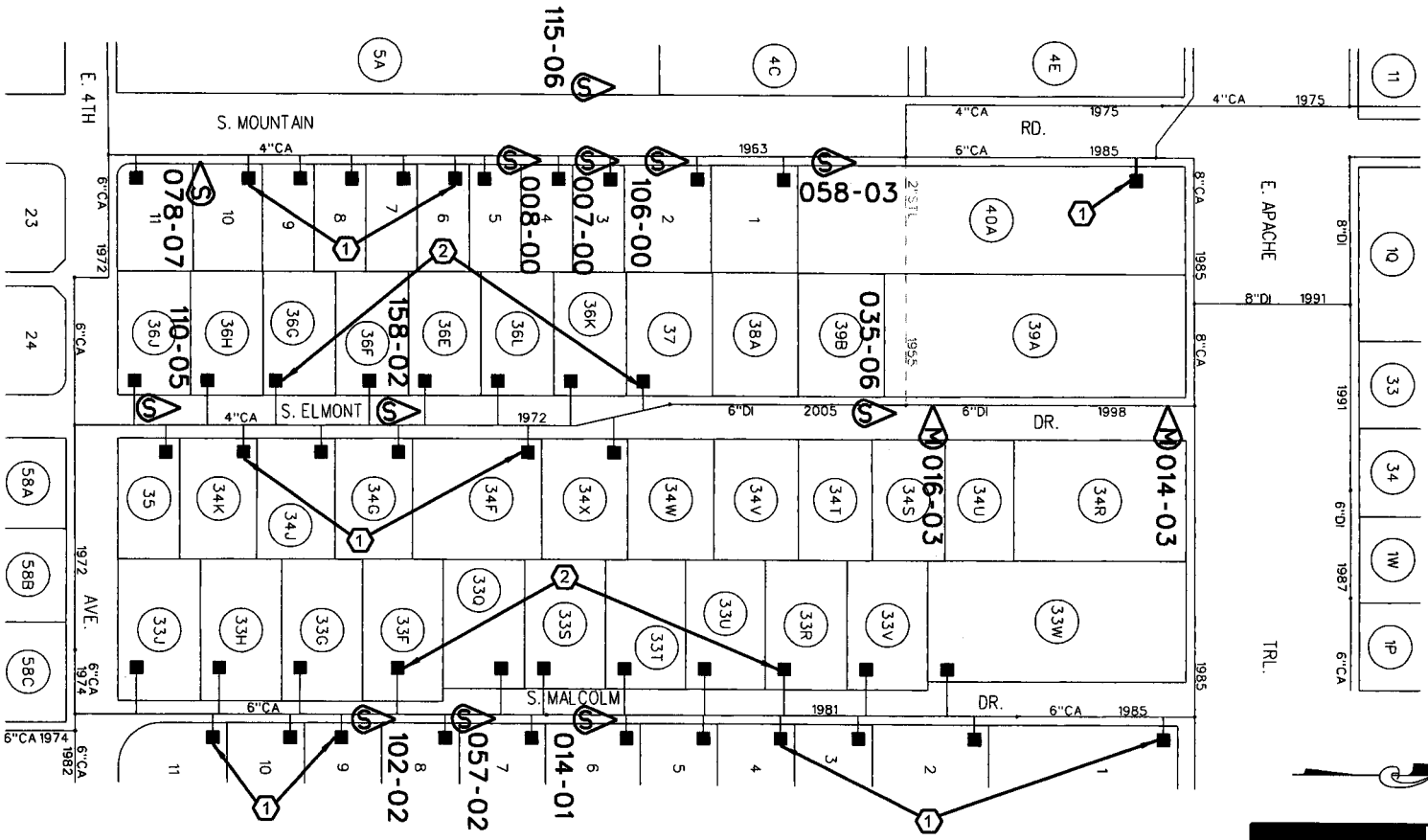
(1) **SUBTOTAL - MATERIALS AND LABOR**	147,700
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	2,216
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	10,339
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 160,255**
(5) OVERHEAD - 15% OF LINE (4)	24,038
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	9,615
SUBTOTAL - LINES (4), (5) AND (6)	**$ 193,908**
ESTIMATED COST OF CONSTRUCTION	**$ 193,908**

AFH

PROJECT 25



QUANTITIES LIST

#		QTY.
1	REPLACE SHORT SERVICE	29 EA.
2	REPLACE LONG SERVICE	19 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S — SERVICE LINE REPAIR/REPLACEMENT

F — FITTING REPAIR/REPLACEMENT

M — WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION

REPLACE 48 SERVICE CONNECTIONS
ALONG MOUNTAIN ROAD, ELMONT DRIVE AND MALCOLM DRIVE.

PROJECT LOCATION

SE 1/4 SEC. 24-T.1N., R.7E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP SS - AJ 4

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:	PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
7/15/11	AJH	FKS	MIAMI	SUPERSTITION

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
SW 1/4 SEC.22-T.1N., R.15E.	26	MAP SS-MI 10

PROJECT DESCRIPTION:

INSTALL 800 LF OF 6-INCH DIP w/POLYWRAP AND REPLACE 17 SERVICE CONNECTIONS ALONG YOUNG STREET, SECOND AVENUE, HILL STREET AND THIRD AVENUE.

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
800	LF	$ 68	6" DIP w/POLYWRAP	$ 54,400
12	EA	2,800	REPLACE SHORT SERVICE	33,600
5	EA	3,500	REPLACE LONG SERVICE	17,500
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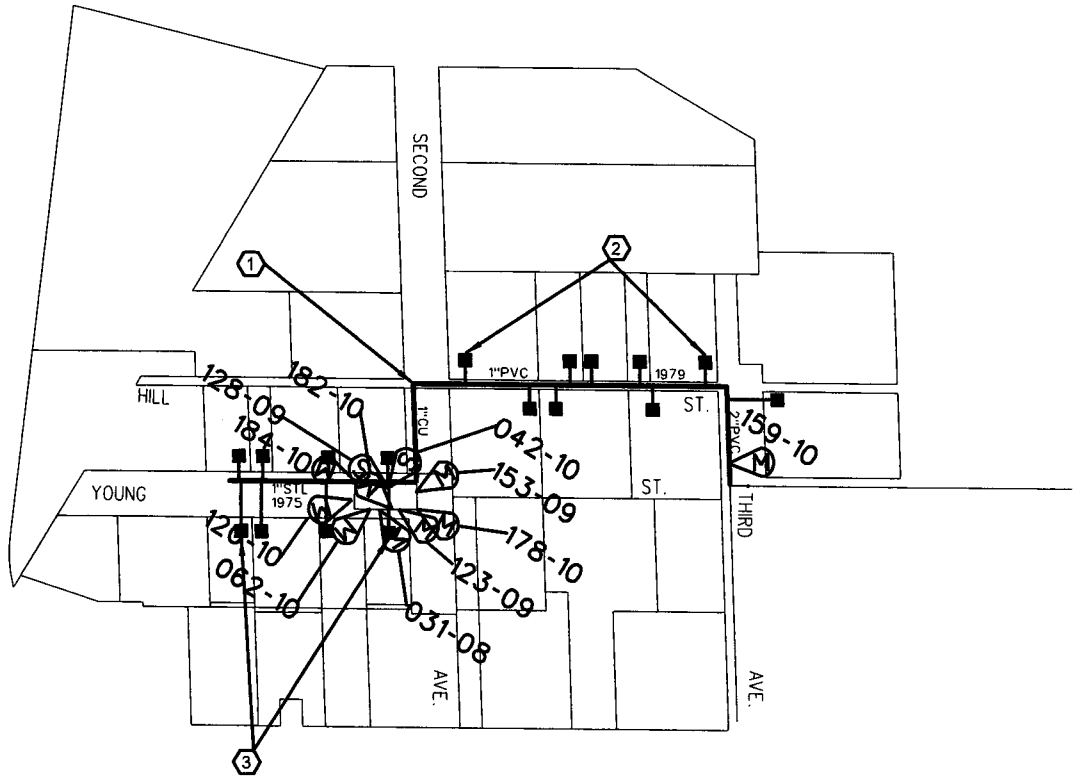
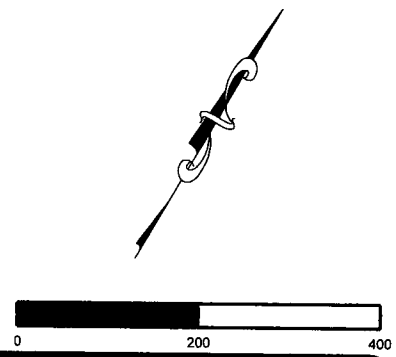
(1) **SUBTOTAL - MATERIALS AND LABOR**	105,500
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	1,583
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	7,385
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 114,468**
(5) OVERHEAD - 15% OF LINE (4)	17,170
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	6,868
SUBTOTAL - LINES (4), (5) AND (6)	**$ 138,506**
ESTIMATED COST OF CONSTRUCTION	**$ 138,506**

AFH

PROJECT 26





QUANTITIES LIST

#		QTY.
1	INSTALL 6" DIP w/POLYWRAP	800 LF
2	REPLACE SHORT SERVICE	12 EA.
3	REPLACE LONG SERVICE	5 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S — SERVICE LINE REPAIR/REPLACEMENT

F — FITTING REPAIR/REPLACEMENT

M — WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION
INSTALL 800 LF OF 6" DIP w/POLYWRAP AND REPLACE 17 SERVICE CONNECTIONS ALONG YOUNG STREET, SECOND AVENUE, HILL STREET AND THIRD AVENUE.

PROJECT LOCATION
SW 1/4 SEC. 22-T.1N., R.15E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP SS - MI 5

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	APACHE JUNCTION	SUPERSTITION

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
SE 1/4 SEC.24-T.1N., R.7E.	27	MAP SS-AJ 4

PROJECT DESCRIPTION:

INSTALL 500 LF OF 6-INCH DIP w/POLYWRAP AND REPLACE 8 SERVICE CONNECTIONS ALONG SOUTH EMERALD DRIVE.

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
500	LF	$ 68	6" DIP w/POLYWRAP	$ 34,000
3	EA	2,800	REPLACE SHORT SERVICE	8,400
5	EA	3,500	REPLACE LONG SERVICE	17,500
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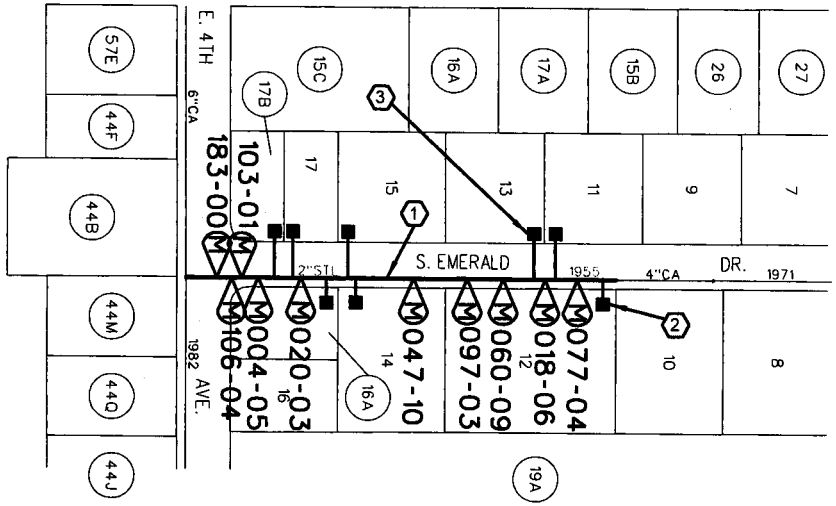
				-
				-
(1) **SUBTOTAL - MATERIALS AND LABOR**				59,900
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)				899
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION				4,193
(4) SUBTOTAL - LINES (1), (2) AND (3)				**$ 64,992**
(5) OVERHEAD - 15% OF LINE (4)				9,749
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS				3,899
SUBTOTAL - LINES (4), (5) AND (6)				**$ 78,640**
ESTIMATED COST OF CONSTRUCTION				**$ 78,640**

AFH

PROJECT 27



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QUANTITIES LIST

#		QTY.
1	INSTALL 6" DIP w/POLYWRAP	500 LF
2	REPLACE SHORT SERVICE	3 EA.
3	REPLACE LONG SERVICE	5 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S — SERVICE LINE REPAIR/REPLACEMENT

F — FITTING REPAIR/REPLACEMENT

M — WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION

INSTALL 500 LF OF 6" DIP w/POLYWRAP AND REPLACE 8 SERVICE CONNECTIONS ALONG SOUTH EMERALD DRIVE.

PROJECT LOCATION

SE 1/4 SEC. 24-T.1N., R.7E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP SS - AJ 4

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	APACHE JUNCTION	SUPERSTITION

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
SW 1/4 SEC.9-T.1S., R.9E.	28	MAP SS-AJ 21

PROJECT DESCRIPTION:

REPLACE 30 SERVICE CONNECTIONS ALONG SLEEPY HOLLOW TRAIL, BREATHLESS DRIVE AND TUM TUM COURT.

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
18	EA	2,800	REPLACE SHORT SERVICE	$ 50,400
12	EA	3,500	REPLACE LONG SERVICE	42,000
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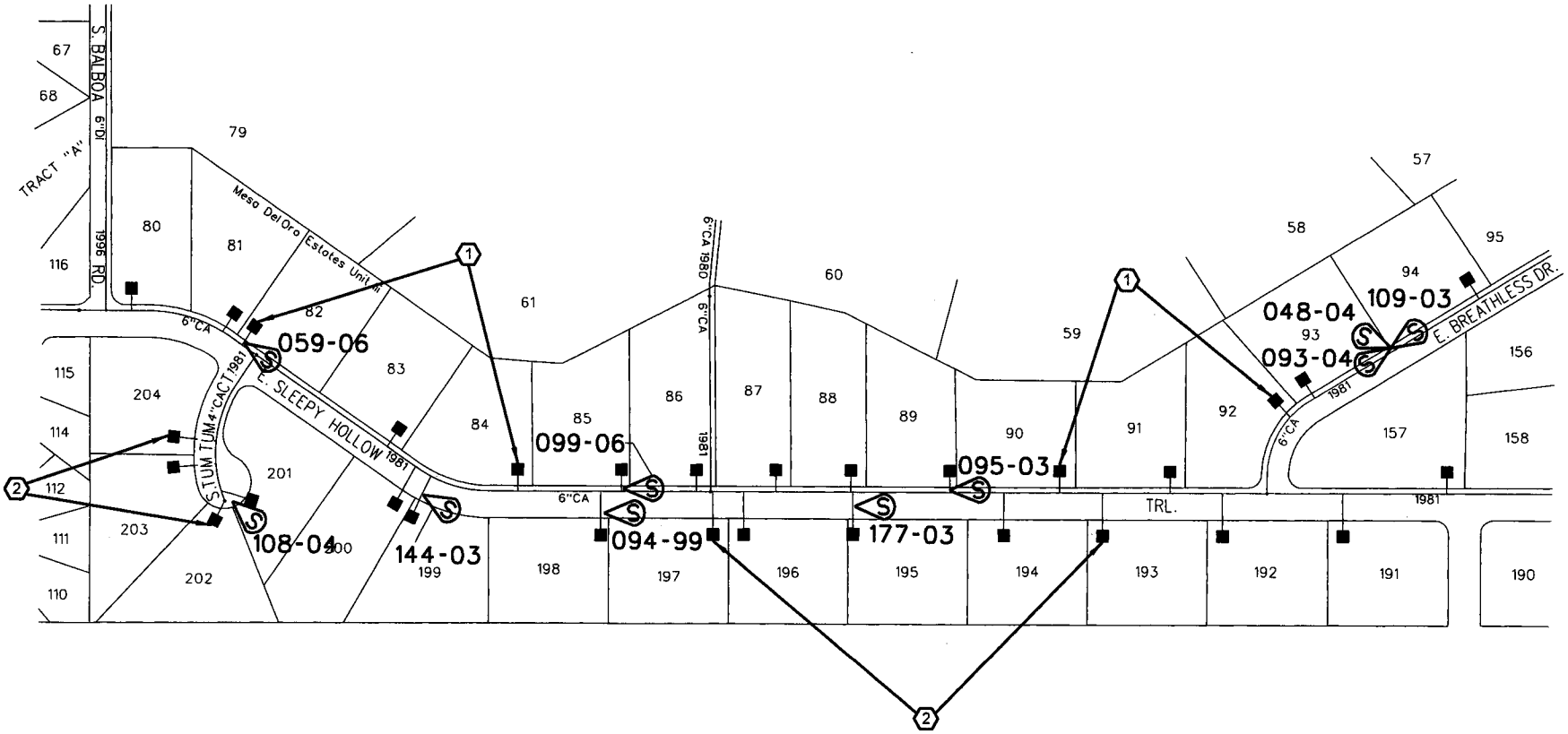
(1) **SUBTOTAL - MATERIALS AND LABOR**	92,400
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	1,386
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	6,468
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 100,254**
(5) OVERHEAD - 15% OF LINE (4)	15,038
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	6,015
SUBTOTAL - LINES (4), (5) AND (6)	**$ 121,307**
ESTIMATED COST OF CONSTRUCTION	**$ 121,307**

AFH

PROJECT 28



0 300 600

QUANTITIES LIST

#		QTY.
1	REPLACE SHORT SERVICE	18 EA.
2	REPLACE LONG SERVICE	12 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S SERVICE LINE REPAIR/REPLACEMENT

F FITTING REPAIR/REPLACEMENT

M WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION
REPLACE 30 SERVICE CONNECTIONS ALONG SLEEPY HOLLOW TRAIL, BREATHLESS DRIVE, AND TUM TUM COURT.

PROJECT LOCATION
SW 1/4 SEC. 9-T.1S., R.9E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP SS - AJ 21

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	MIAMI	SUPERSTITION

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
SE 1/4 SEC.21-T.1N., R.15E.	29	MAP SS-MI 4

PROJECT DESCRIPTION:

INSTALL 1,600 LF OF 6-INCH DIP w/POLYWRAP ALONG WASHBORN ROAD.

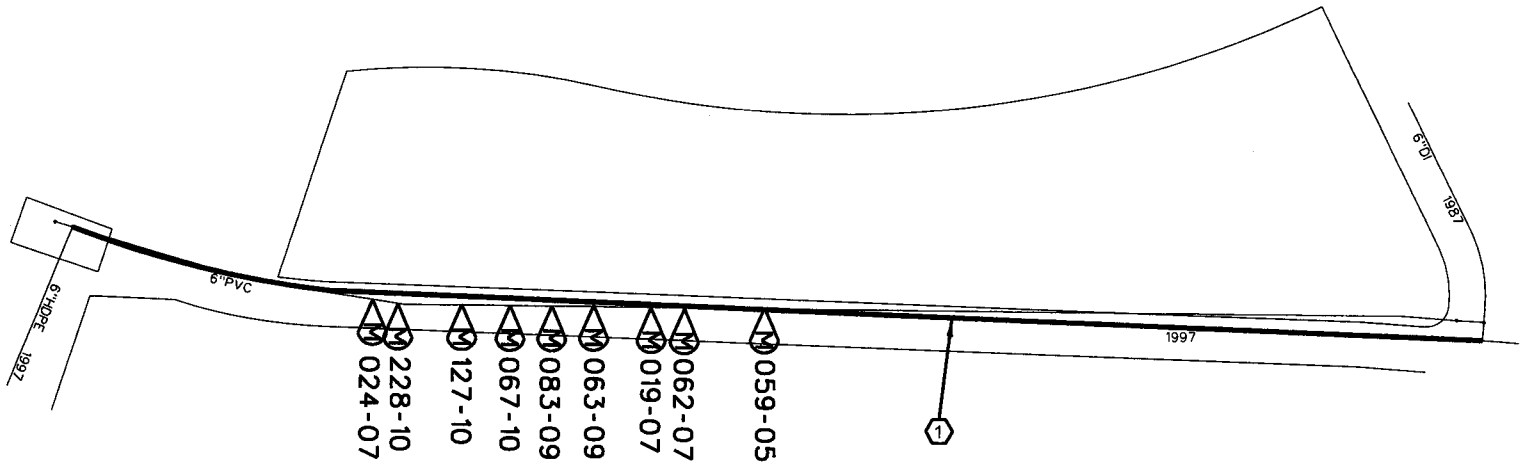
MATERIALS AND LABOR

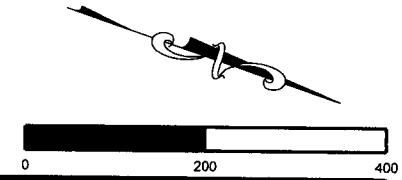
QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
1,600	LF	$ 68	6" DIP w/POLYWRAP	$ 108,800
				-
				-
				-
				-
				-
				-
				-
				-
				-
				-
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	108,800
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	1,632
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	7,616
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 118,048**
(5) OVERHEAD - 15% OF LINE (4)	17,707
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	7,083
SUBTOTAL - LINES (4), (5) AND (6)	**$ 142,838**
ESTIMATED COST OF CONSTRUCTION	**$ 142,838**

AFH

PROJECT 29





QUANTITIES LIST

#		QTY.
1	INSTALL 6" DIP w/POLYWRAP	1,600 LF

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S — SERVICE LINE REPAIR/REPLACEMENT

F — FITTING REPAIR/REPLACEMENT

M — WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION

INSTALL 1,600 LF OF 6" DIP w/POLYWRAP ALONG WASHBORN ROAD.

PROJECT LOCATION

SE 1/4 SEC. 21-T.1N., R.15E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP SS - MI 4

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	MIAMI	SUPERSTITION

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
SE 1/4 SEC.30-T.1S., R.15E.	30	MAP SS-MI 7

PROJECT DESCRIPTION:

INSTALL 500 LF OF 6-INCH DIP w/POLYWRAP AND REPLACE 5 SERVICES EAST OF LOOMIS AVENUE.

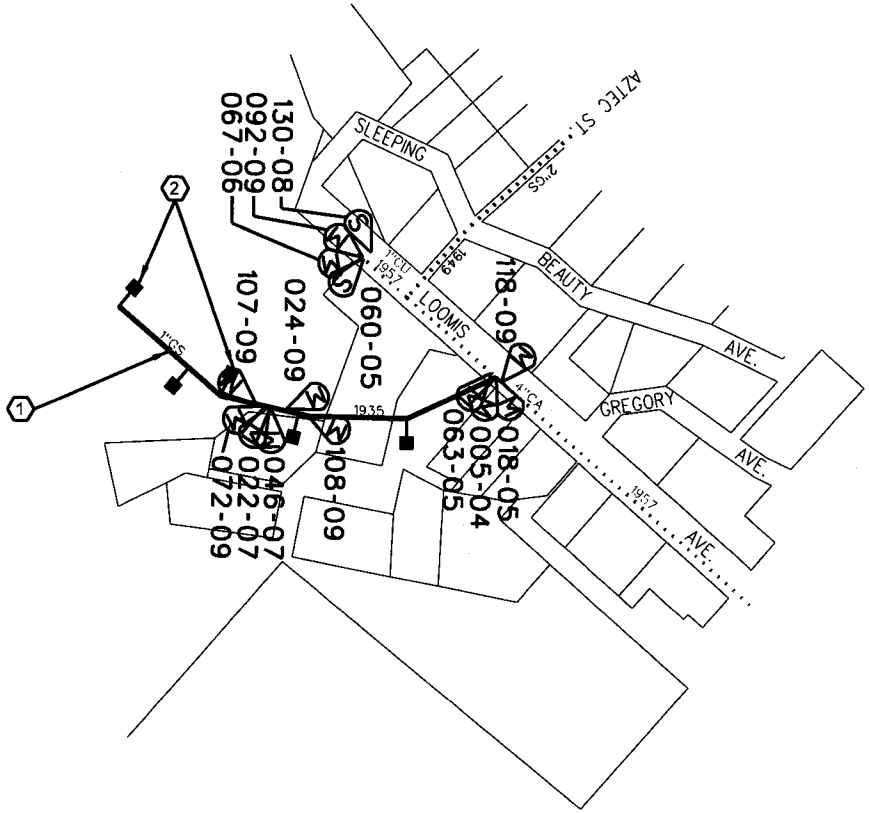
MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
500	LF	$ 68	6" DIP w/POLYWRAP	$ 34,000
5	EA	2,800	REPLACE SHORT SERVICE	14,000
				-
				-
				-
				-
				-
				-
				-
				-
				-
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	48,000
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	720
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	3,360
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 52,080**
(5) OVERHEAD - 15% OF LINE (4)	7,812
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	3,125
SUBTOTAL - LINES (4), (5) AND (6)	**$ 63,017**
ESTIMATED COST OF CONSTRUCTION	**$ 63,017**

AFH

PROJECT 30



0 200 400

QUANTITIES LIST

#		QTY.
1	INSTALL 6" DIP w/POLYWRAP	500 LF
2	REPLACE SHORT SERVICE	5 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S SERVICE LINE REPAIR/REPLACEMENT

F FITTING REPAIR/REPLACEMENT

M WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION
INSTALL 500 LF OF 6" DIP w/POLYWRAP AND REPLACE 5 SERVICES EAST OF LOOMIS AVENUE.

PROJECT LOCATION
SE 1/4 SEC. 30-T.1S., R.15E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP SS - MI 7

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	APACHE JUNCTION	SUPERSTITION

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
S 1/2 SEC.9-T.1S., R.9E.	31	MAP SS-AJ 21

PROJECT DESCRIPTION:

REPLACE 14 SERVICE CONNECTIONS ALONG HUMMINGBIRD LANE.

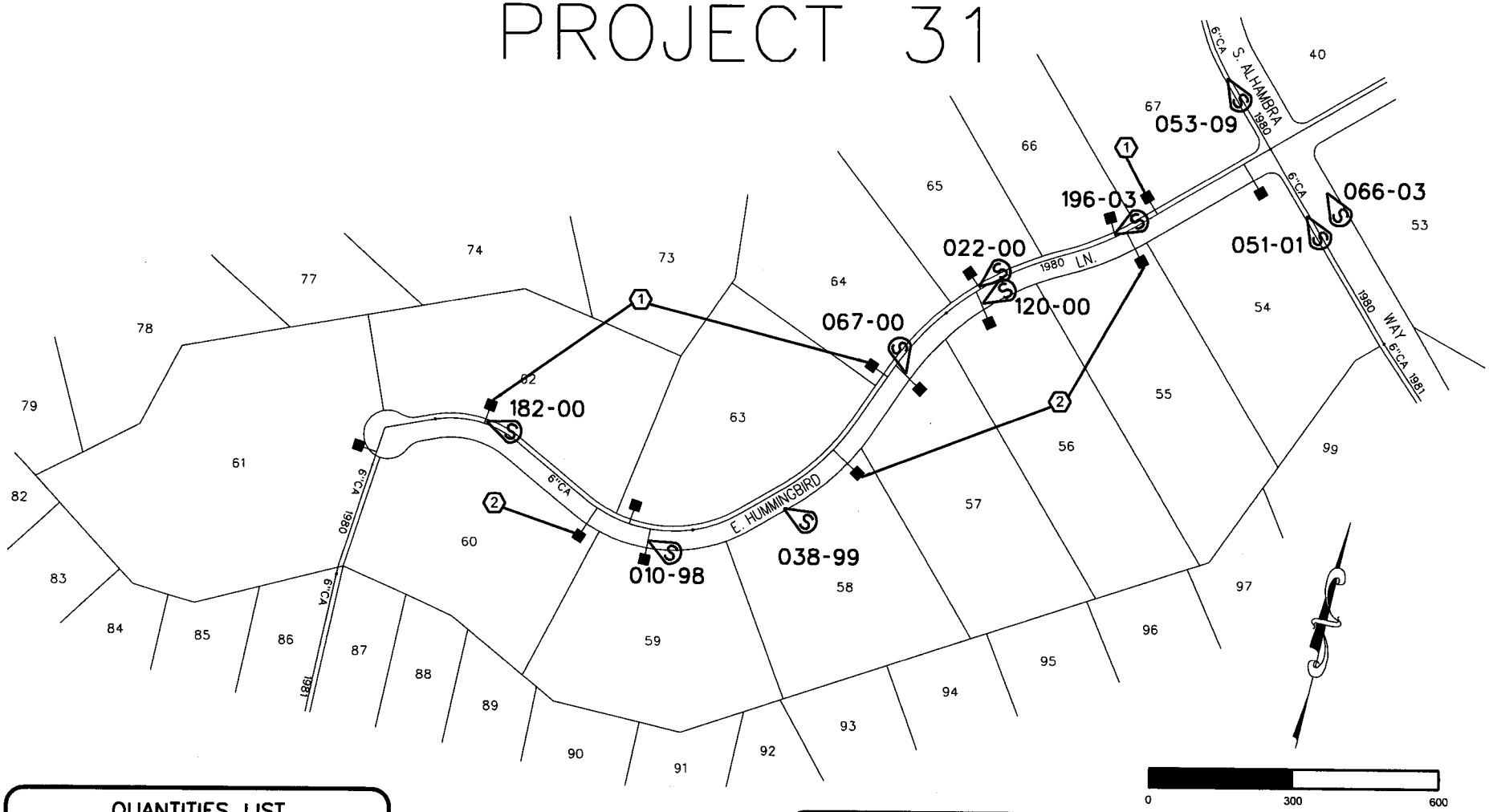
MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
7	EA	$ 2,800	REPLACE SHORT SERVICE	$ 19,600
7	EA	3,500	REPLACE LONG SERVICE	24,500
				-
				-
				-
				-
				-
				-
				-
				-
				-
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	44,100
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	662
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	3,087
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 47,849**
(5) OVERHEAD - 15% OF LINE (4)	7,177
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	2,871
SUBTOTAL - LINES (4), (5) AND (6)	**$ 57,897**
ESTIMATED COST OF CONSTRUCTION	**$ 57,897**

AFH

PROJECT 31



QUANTITIES LIST

#		QTY.
1	REPLACE SHORT SERVICE	7 EA.
2	REPLACE LONG SERVICE	7 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S SERVICE LINE REPAIR/REPLACEMENT

F FITTING REPAIR/REPLACEMENT

M WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION

REPLACE 14 SERVICE CONNECTIONS
ALONG HUMMINGBIRD LANE.

PROJECT LOCATION

S 1/2 SEC. 9-T.1S., R.9E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP SS - AJ 21

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	APACHE JUNCTION	SUPERSTITION

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
SW 1/4 SEC.22-T.1N., R.8E.	32	MAP SS-AJ 14

PROJECT DESCRIPTION:

INSTALL 600 LF OF 6-INCH DIP w/POLYWRAP AND REPLACE 3 SERVICE CONNECTIONS ALONG BROADWAY AVENUE FROM TOMAHAWK ROAD TO VISTA ROAD.

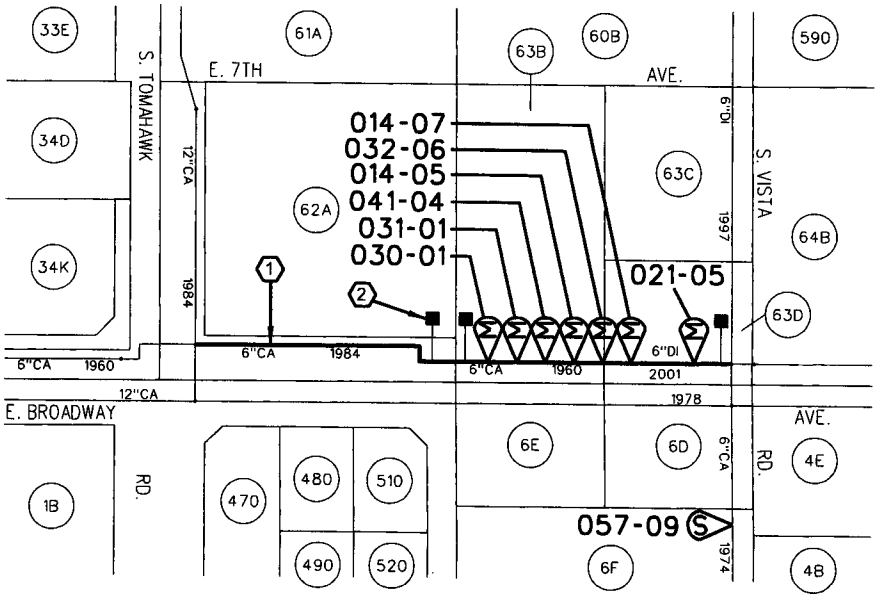
MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
600	LF	$ 68	6" DIP w/POLYWRAP	$ 40,800
3	EA	3,500	REPLACE LONG SERVICE	10,500
				-
				-
				-
				-
				-
				-
				-
				-
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	51,300
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	770
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	3,591
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 55,661**
(5) OVERHEAD - 15% OF LINE (4)	8,349
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	3,340
SUBTOTAL - LINES (4), (5) AND (6)	**$ 67,349**
ESTIMATED COST OF CONSTRUCTION	**$ 67,349**

AFH

PROJECT 32



QUANTITIES LIST

#		QTY.
1	INSTALL 6" DIP w/POLYWRAP	600 LF
2	REPLACE LONG SERVICE	3 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S — SERVICE LINE REPAIR/REPLACEMENT

F — FITTING REPAIR/REPLACEMENT

M — WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION INSTALL 600 LF OF 6" DIP w/POLYWRAP AND REPLACE 3 SERVICE CONNECTIONS ALONG BROADWAY AVENUE FROM TOMAHAWK ROAD TO VISTA ROAD.

PROJECT LOCATION SW 1/4 SEC. 22-T.1N., R.8E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP SS - AJ 14

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	APACHE JUNCTION	SUPERSTITION

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
NE 1/4 SEC.23-T.1N., R.7E.	33	MAP SS-AJ 3

PROJECT DESCRIPTION:

INSTALL 1,400 LF OF 6-INCH DIP w/POLYWRAP AND REPLACE 13 SERVICE CONNECTIONS ALONG BOISE STREET AND 105TH PLACE.

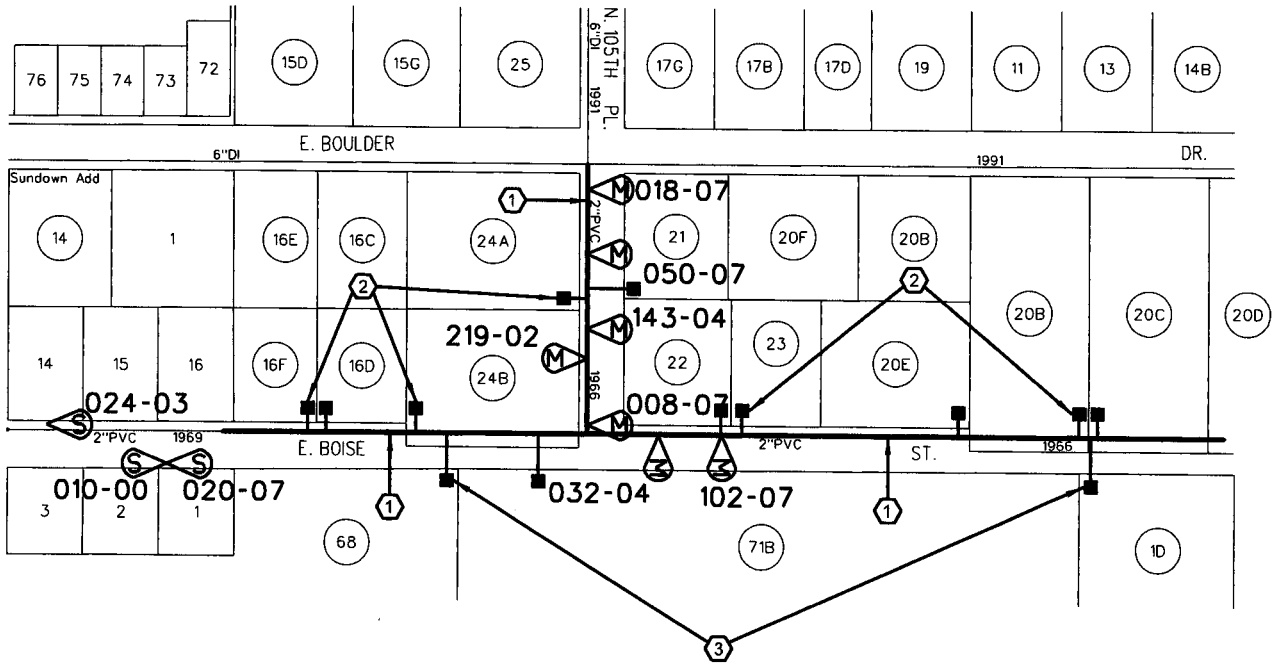
MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
1,400	LF	$ 68	6" DIP w/POLYWRAP	$ 95,200
9	EA	2,800	REPLACE SHORT SERVICE	25,200
4	EA	3,500	REPLACE LONG SERVICE	14,000
				-
				-
				-
				-
				-
				-
				-
				-
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	134,400
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	2,016
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	9,408
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 145,824**
(5) OVERHEAD - 15% OF LINE (4)	21,874
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	8,749
SUBTOTAL - LINES (4), (5) AND (6)	**$ 176,447**
ESTIMATED COST OF CONSTRUCTION	**$ 176,447**

AFH

PROJECT 33



0 200 400

QUANTITIES LIST

#		QTY.
1	INSTALL 6" DIP w/POLYWRAP	1,400 LF
2	REPLACE SHORT SERVICE	9 EA.
3	REPLACE LONG SERVICE	4 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S SERVICE LINE REPAIR/REPLACEMENT

F FITTING REPAIR/REPLACEMENT

M WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION

INSTALL 1,400 LF OF 6" DIP w/POLYWRAP AND REPLACE 13 SERVICE CONNECTIONS ALONG BOISE STREET AND 105TH PLACE.

PROJECT LOCATION

NE 1/4 SEC. 23-T.1N., R.7E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP SS - AJ 3

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	SUPERIOR	SUPERSTITION

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
NE 1/4 SEC.3-T.2S., R.12E.	34	MAP SS-SU 4

PROJECT DESCRIPTION:

REPLACE 28 SERVICE CONNECTIONS ALONG HILL STREET FROM CHURCH AVENUE TO TERRANCE DRIVE.

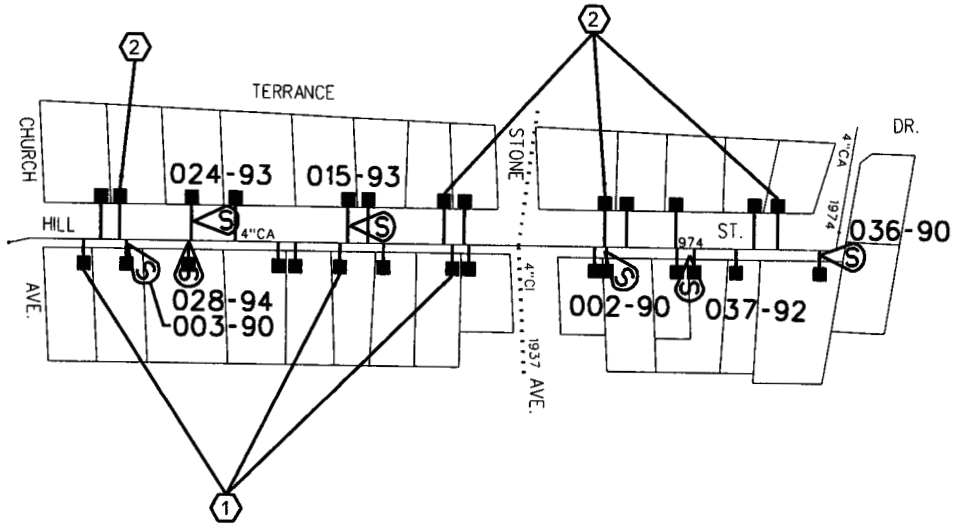
MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
15	EA	$ 2,800	REPLACE SHORT SERVICE	$ 42,000
13	EA	3,500	REPLACE LONG SERVICE	45,500
				-
				-
				-
				-
				-
				-
				-
				-
				-
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	87,500
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	1,313
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	6,125
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 94,938**
(5) OVERHEAD - 15% OF LINE (4)	14,241
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	5,696
SUBTOTAL - LINES (4), (5) AND (6)	**$ 114,874**
ESTIMATED COST OF CONSTRUCTION	**$ 114,874**

AFH

PROJECT 34



0 200 400

QUANTITIES LIST

#		QTY.
1	REPLACE SHORT SERVICE	15 EA.
2	REPLACE LONG SERVICE	13 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S SERVICE LINE REPAIR/REPLACEMENT

F FITTING REPAIR/REPLACEMENT

M WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION

REPLACE 28 SERVICE CONNECTIONS
ALONG HILL STREET FROM CHRUCH AVENUE TO TERRANCE DRIVE.

PROJECT LOCATION

NE 1/4 SEC. 3-T.2S., R.12E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP SS - SU 4

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	APACHE JUNCTION	SUPERSTITION

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
E 1/2 SEC.9-T.1S., R.9E.	35	MAP SS-AJ 21

PROJECT DESCRIPTION:

REPLACE 14 SERVICE CONNECTIONS ALONG HUMMINGBIRD LANE AND ALHAMBRA WAY.

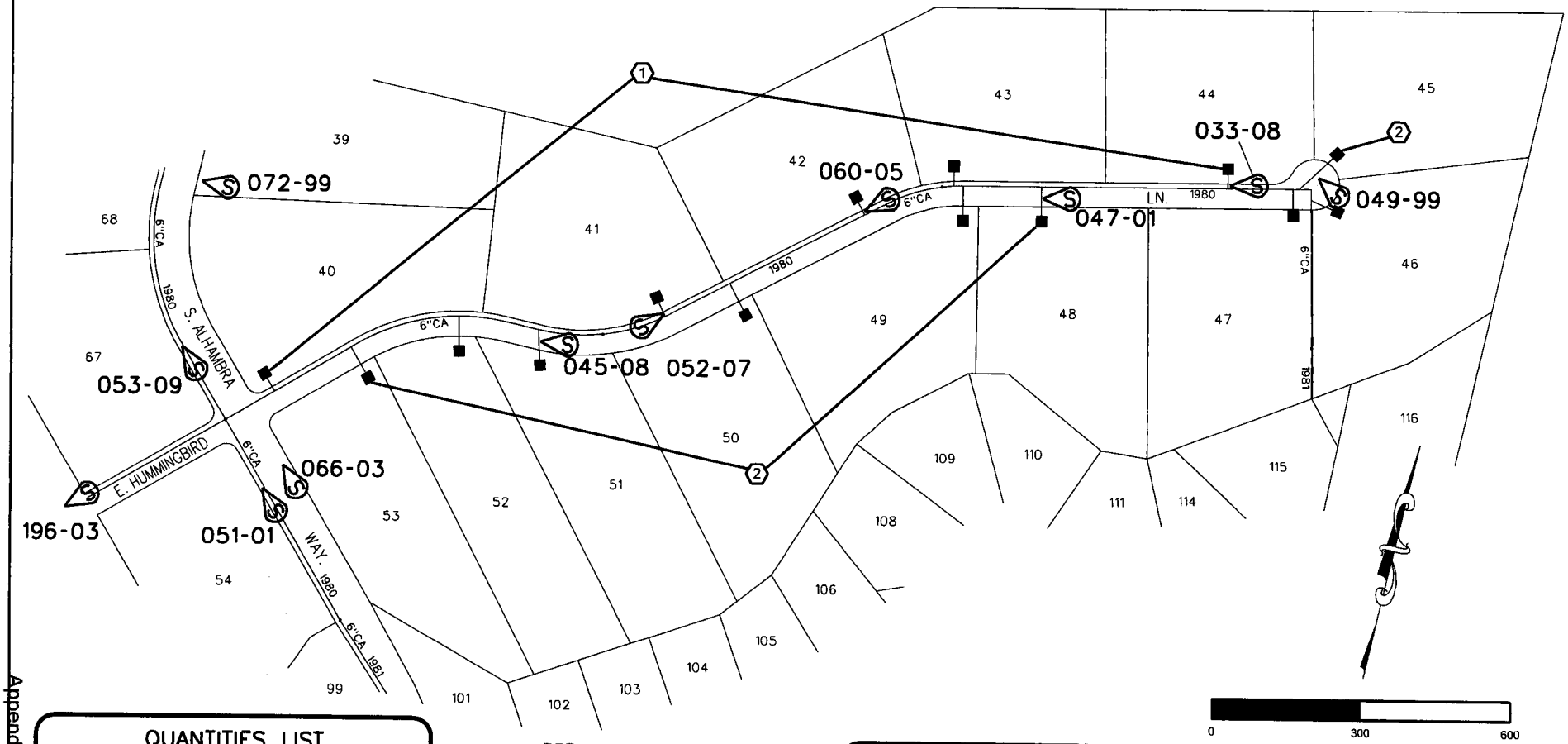
MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
7	EA	$ 2,800	REPLACE SHORT SERVICE	$ 19,600
7	EA	3,500	REPLACE LONG SERVICE	24,500
				-
				-
				-
				-
				-
				-
				-
				-
				-
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	44,100
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	662
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	3,087
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 47,849**
(5) OVERHEAD - 15% OF LINE (4)	7,177
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	2,871
SUBTOTAL - LINES (4), (5) AND (6)	**$ 57,897**
ESTIMATED COST OF CONSTRUCTION	**$ 57,897**

AFH

PROJECT 35



PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S SERVICE LINE REPAIR/REPLACEMENT

F FITTING REPAIR/REPLACEMENT

M WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

QUANTITIES LIST

#		QTY.
1	REPLACE SHORT SERVICE	7 EA.
2	REPLACE LONG SERVICE	7 EA.

ARIZONA WATER COMPANY

PROJECT DESCRIPTION
REPLACE 14 SERVICE CONNECTIONS ALONG HUMMINGBIRD LANE AND ALHAMBRA WAY.

PROJECT LOCATION
E 1/2 SEC. 9-T.1S., R.9E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP SS - AJ 21

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	SUPERIOR	SUPERSTITION

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
SE 1/4 SEC.35-T.1S., R.12E.	36	MAP SS - SU 1

PROJECT DESCRIPTION:

INSTALL 1,250 LF OF 6" DIP w/POLYWRAP AND REPLACE 31 SERVICE CONNECTIONS ALONG GARROT AVENUE AND STANSBERRY AVENUE.

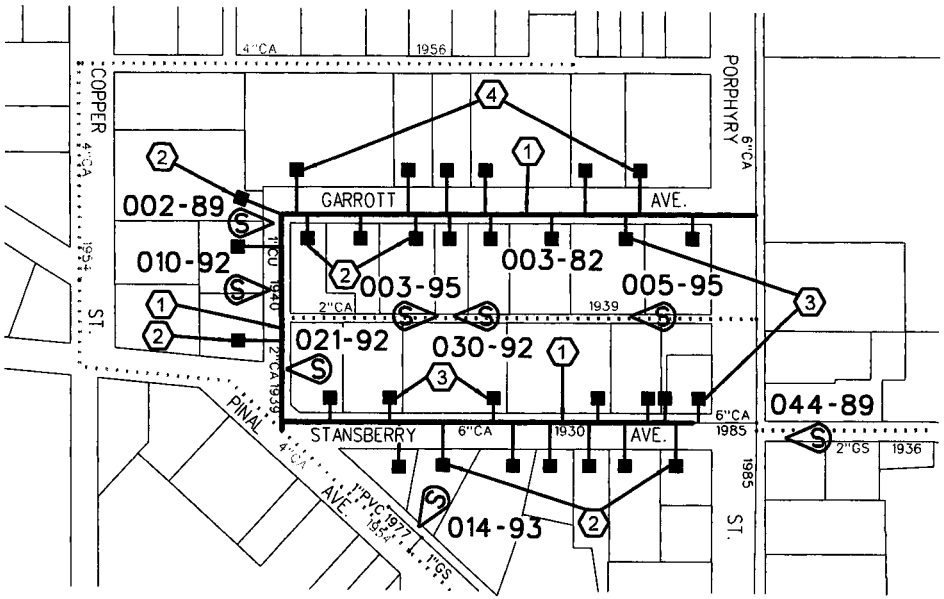
MATERIALS AND LABOR

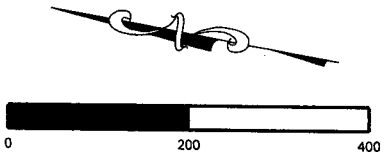
QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
1,250	EA	$ 75	6" DIP w/POLYWRAP	$ 93,750
10	EA	3,500	REPLACE LONG SERVICE	35,000
15	EA	3,700	RELOCATE SHORT SERVICE	55,500
6	EA	4,700	RELOCATE LONG SERVICE	28,200
				-
				-
				-
				-
				-
				-
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	212,450
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	3,187
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	14,872
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 230,508**
(5) OVERHEAD - 15% OF LINE (4)	34,576
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	13,830
SUBTOTAL - LINES (4), (5) AND (6)	**$ 278,915**
ESTIMATED COST OF CONSTRUCTION	**$ 278,915**

AFH

PROJECT 36





QUANTITIES LIST

#		QTY.
1	INSTALL 6" DIP w/POLYWRAP	1,250 LF
2	REPLACE LONG SERVICE	10 EA.
3	RELOCATE SHORT SERVICE	15 EA.
4	RELOCATE LONG SERVICE	6 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S — SERVICE LINE REPAIR/REPLACEMENT

F — FITTING REPAIR/REPLACEMENT

M — WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION

INSTALL 1,250 LF OF 6" DIP w/POLYWRAP AND REPLACE 31 SERVICE CONNECTIONS ALONG GARROT AVENUE AND STANSBERRY AVENUE.

PROJECT LOCATION

SE 1/4 SEC. 35-T.1S., R.12E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP SS - SU 1

APPENDIX

9.4.2

Recommended Projects and

Preliminary Cost Estimates

Oracle water system

PROJECT NUMBER	STREET NAME	NEW PIPE LENGTH (LF)	NEW PIPE DIAMETER (IN)	NEW PIPE MATERIAL	# OF SERVICES TO BE REPLACED	REPLACED PIPE DIAMETER (IN)	REPLACED PIPE MATERIAL	RECORDED FITTING LEAKS	RECORDED MAIN LEAKS	RECORDED SERVICE LEAKS	TOTAL LEAKS	ESTIMATED TOTAL COST
37	BEVERLY CIRCLE				61			0	0	36	36	$170,671
38	SONBERG DRIVE				35			0	0	21	21	$95,182
39	CAMINO SECO				19			0	0	9	9	$53,499
40	ADAMS STREET				27			0	1	7	8	$78,771
41	TWO O'CLOCK HILLS ROAD				24			0	0	8	8	$65,971
42	CEDAR RIDGE DRIVE				16			0	0	6	6	$44,637
											Total	**$508,729**

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED: 7/15/11			
PREPARED BY: AJH	APPROVED BY: FKS	SYSTEM: ORACLE	DIVISION: SAN MANUEL
PROJECT LOCATION: N 1/2 SEC.27-T.9S., R.15E.		PROJECT NUMBER: 37	REFERENCE MAP: MAP OR-1

PROJECT DESCRIPTION:

REPLACE 61 SERVICE CONNECTIONS ALONG BEVERLY CIRCLE.

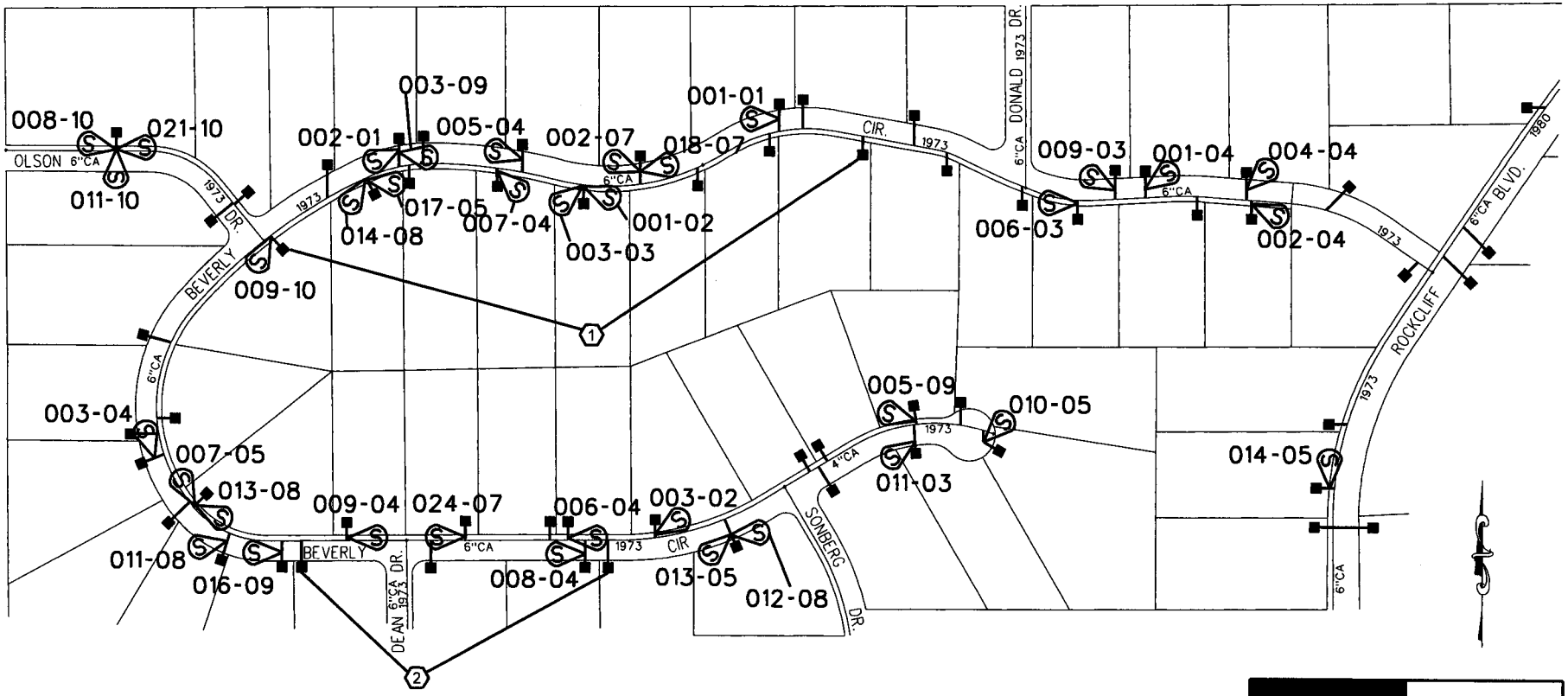
MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
30	EA	$ 1,750	REPLACE SHORT SERVICE	$ 52,500
31	EA	2,500	REPLACE LONG SERVICE	77,500
				-
				-
				-
				-
				-
				-
				-
				-
				-
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	130,000
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	1,950
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	9,100
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 141,050**
(5) OVERHEAD - 15% OF LINE (4)	21,158
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	8,463
SUBTOTAL - LINES (4), (5) AND (6)	**$ 170,671**
ESTIMATED COST OF CONSTRUCTION	**$ 170,671**

AFH

PROJECT 37



QUANTITIES LIST

#		QTY.
1	REPLACE SHORT SERVICE	30 EA.
2	REPLACE LONG SERVICE	31 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S — SERVICE LINE REPAIR/REPLACEMENT

F — FITTING REPAIR/REPLACEMENT

M — WATER MAIN REPAIR/REPLACEMENT

021-10 — LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION

REPLACE 61 SERVICE CONNECTIONS ALONG BEVERLY CIRCLE.

PROJECT LOCATION

N 1/2 SEC. 27-T.9S., R.15E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP OR - 1

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	ORACLE	SAN MANUEL

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
NE 1/4 SEC.27-T.9S., R.15E.	38	MAP OR-1

PROJECT DESCRIPTION:

REPLACE 35 SERVICE CONNECTIONS ALONG SONBERG DRIVE, HAROLD DRIVE AND ROCKCLIFF BOULEVARD.

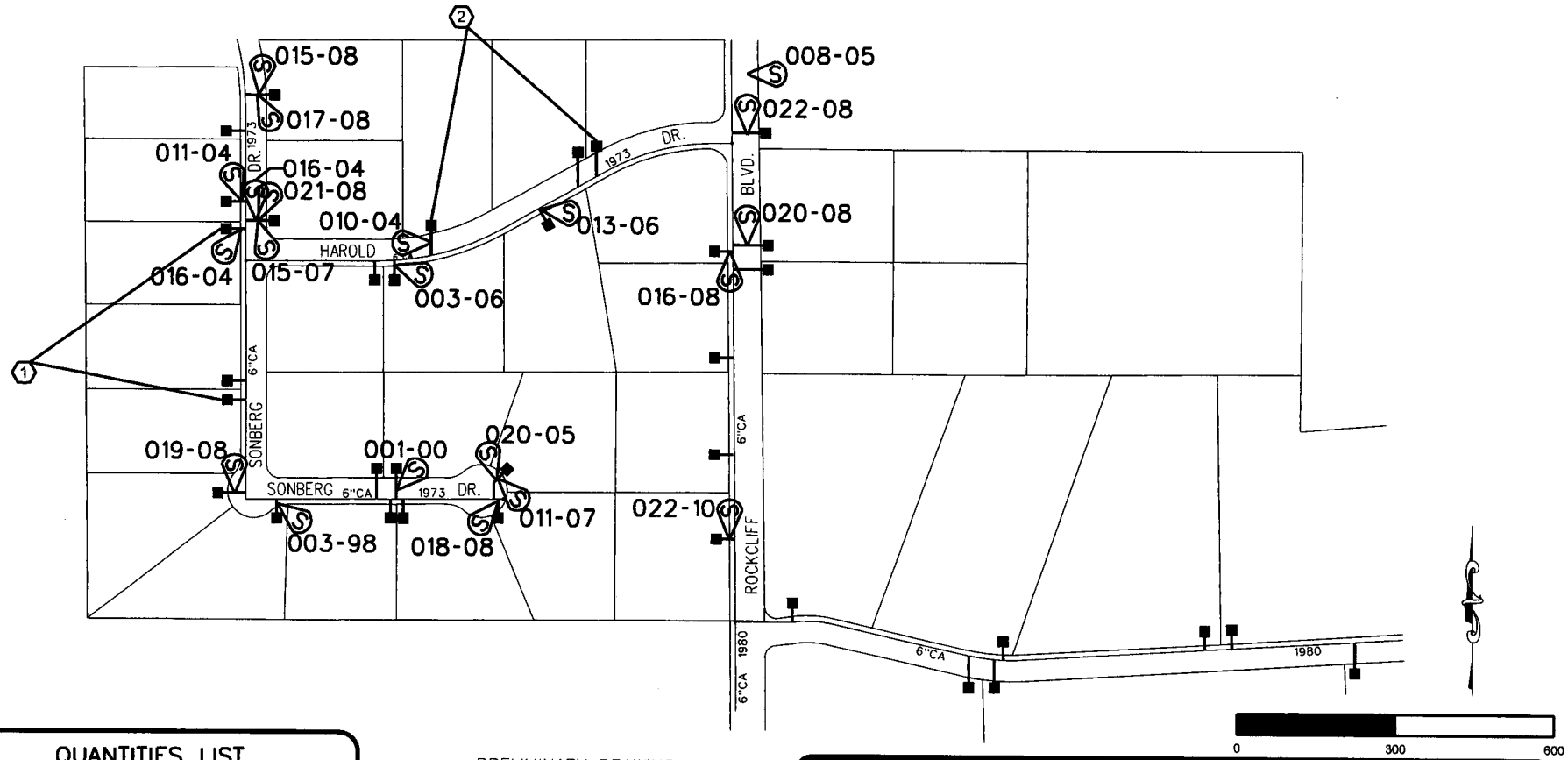
MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
20	EA	$ 1,750	REPLACE SHORT SERVICE	$ 35,000
15	EA	2,500	REPLACE LONG SERVICE	37,500
				-
				-
				-
				-
				-
				-
				-
				-
				-
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	72,500
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	1,088
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	5,075
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 78,663**
(5) OVERHEAD - 15% OF LINE (4)	11,799
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	4,720
SUBTOTAL - LINES (4), (5) AND (6)	**$ 95,182**
ESTIMATED COST OF CONSTRUCTION	**$ 95,182**

AFH

PROJECT 38



QUANTITIES LIST

#		QTY.
1	REPLACE SHORT SERVICE	20 EA.
2	REPLACE LONG SERVICE	15 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S — SERVICE LINE REPAIR/REPLACEMENT

F — FITTING REPAIR/REPLACEMENT

M — WATER MAIN REPAIR/REPLACEMENT

021-10 — LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION

REPLACE 35 SERVICE CONNECTIONS ALONG
SONBERG DRIVE, HAROLD DRIVE AND ROCKCLIFF BOULEVARD.

PROJECT LOCATION

NE 1/4 SEC. 27-T.9S., R.15E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP OR - 1

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	ORACLE	SAN MANUEL

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
SE 1/4 SEC.27-T.9S., R.15E.	39	MAP OR-1

PROJECT DESCRIPTION:

REPLACE 19 SERVICE CONNECTIONS ALONG CAMINO SECO AND CALLE VALENCIA.

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
9	EA	$1,750	REPLACE SHORT SERVICE	$ 15,750
10	EA	2,500	REPLACE LONG SERVICE	25,000
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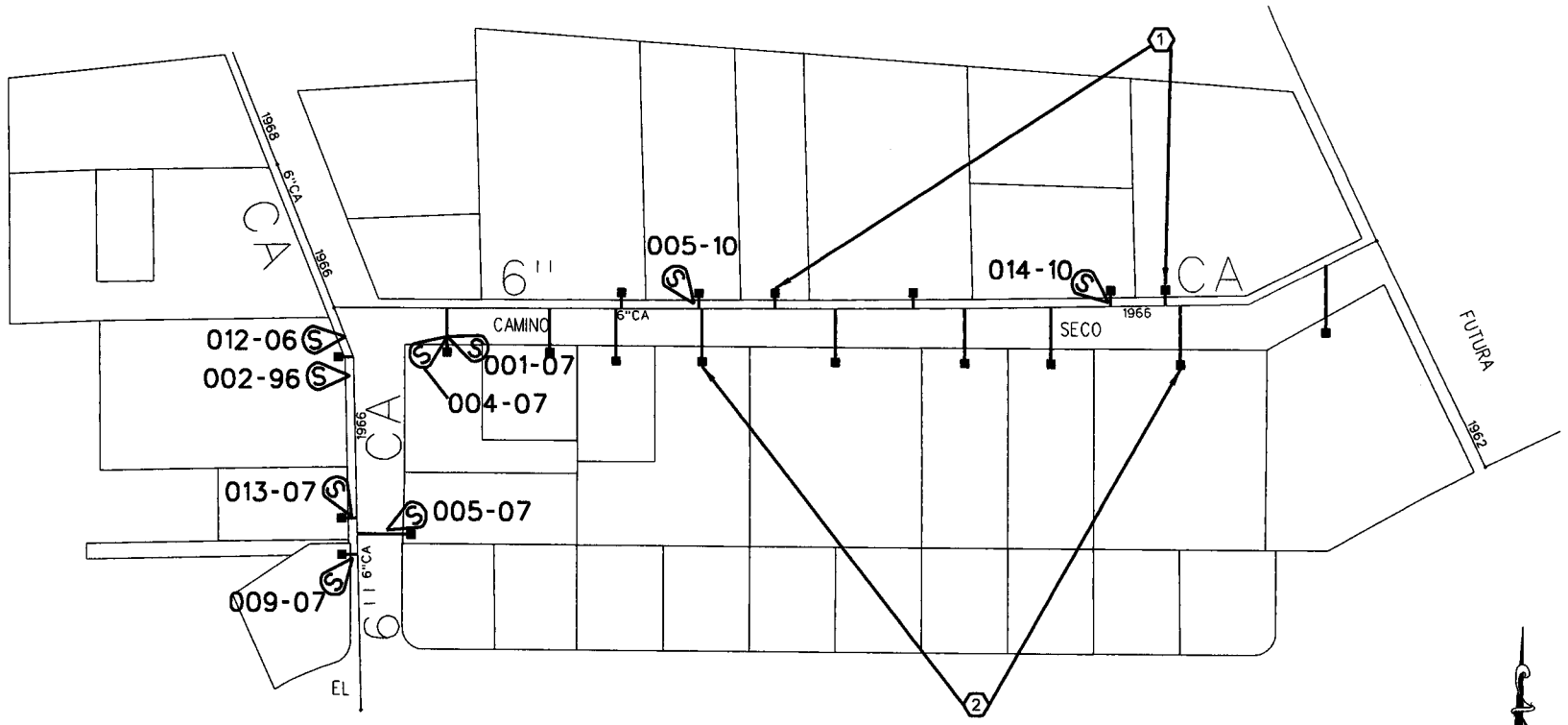
				-
				-
				-
				-
				-
				-
				-
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	40,750
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	611
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	2,853
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 44,214**
(5) OVERHEAD - 15% OF LINE (4)	6,632
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	2,653
SUBTOTAL - LINES (4), (5) AND (6)	**$ 53,499**
ESTIMATED COST OF CONSTRUCTION	**$ 53,499**

AFH

PROJECT 39



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QUANTITIES LIST

#		QTY.
1	REPLACE SHORT SERVICE	9 EA.
2	REPLACE LONG SERVICE	10 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S SERVICE LINE REPAIR/REPLACEMENT

F FITTING REPAIR/REPLACEMENT

M WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION

REPLACE 19 SERVICE CONNECTIONS
ALONG CAMINO SECO AND CALLE VALENCIA.

PROJECT LOCATION

SE 1/4 SEC. 27-T.9S., R.15E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP OR-1

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	ORACLE	SAN MANUEL

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
NE 1/4 SEC.36-T.9S., R.15E.	40	MAP OR-4

PROJECT DESCRIPTION:

REPLACE 27 SERVICE CONNECTIONS ALONG ADAMS STREET, HOWARD STREET AND LOGAN STREET.

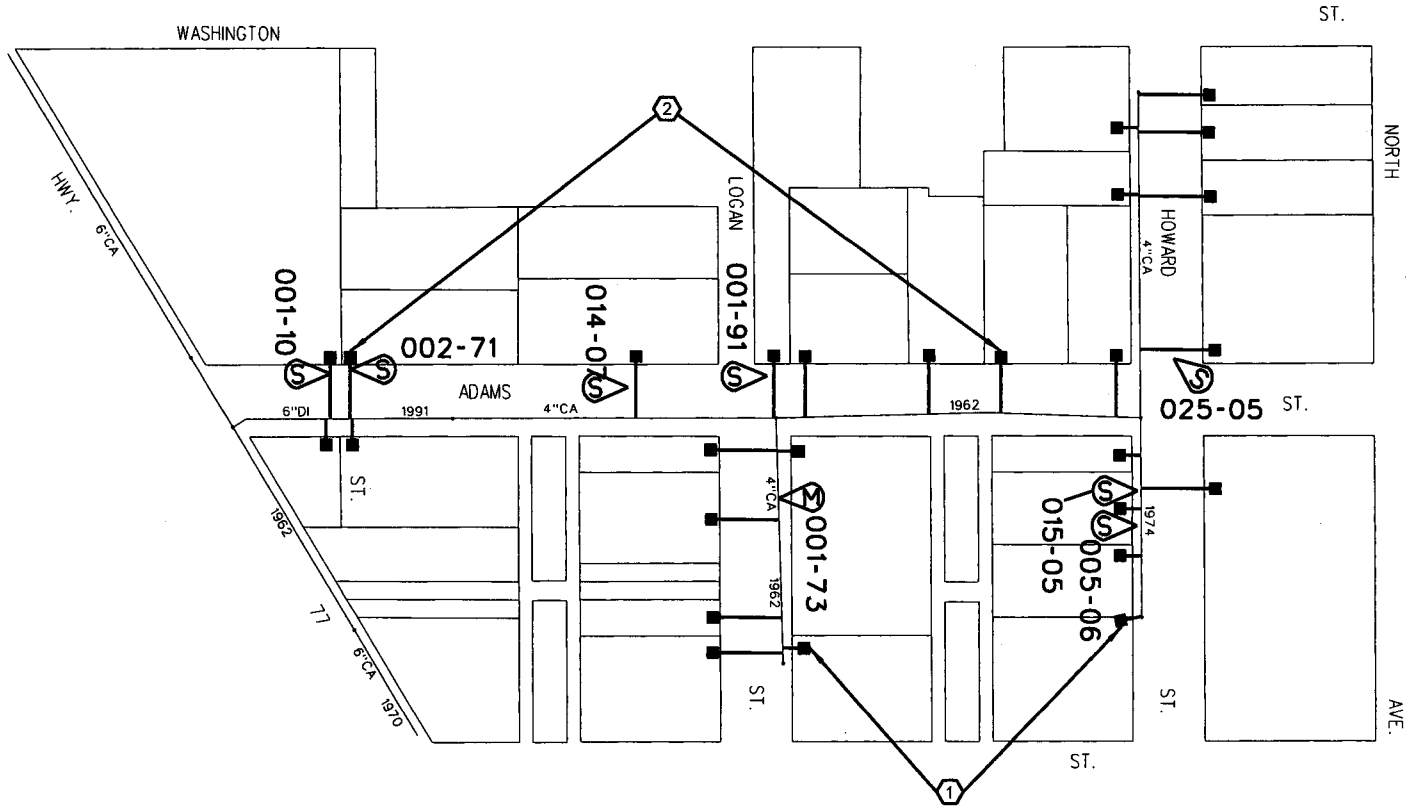
MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
10	EA	$1,750	REPLACE SHORT SERVICE	$ 17,500
17	EA	2,500	REPLACE LONG SERVICE	42,500
				-
				-
				-
				-
				-
				-
				-
				-
				-
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	60,000
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	900
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	4,200
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 65,100**
(5) OVERHEAD - 15% OF LINE (4)	9,765
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	3,906
SUBTOTAL - LINES (4), (5) AND (6)	**$ 78,771**
ESTIMATED COST OF CONSTRUCTION	**$ 78,771**

AFH

PROJECT 40



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QUANTITIES LIST

#		QTY.
1	REPLACE SHORT SERVICE	10 EA.
2	REPLACE LONG SERVICE	17 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S SERVICE LINE REPAIR/REPLACEMENT

F FITTING REPAIR/REPLACEMENT

M WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION

REPLACE 27 SERVICE CONNECTIONS
ALONG ADAMS STREET, HOWARD STREET AND LOGAN STREET.

PROJECT LOCATION

NE 1/4 SEC. 36-T.9S., R.15E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP OR-4

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	ORACLE	SAN MANUEL

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
SW 1/4 SEC.35-T.9S., R.15E.	41	MAP OR-3

PROJECT DESCRIPTION:

REPLACE 24 SERVICE CONNECTIONS ALONG NORTH TWO O'CLOCK HILLS ROAD AND CHAPARRAL STREET.

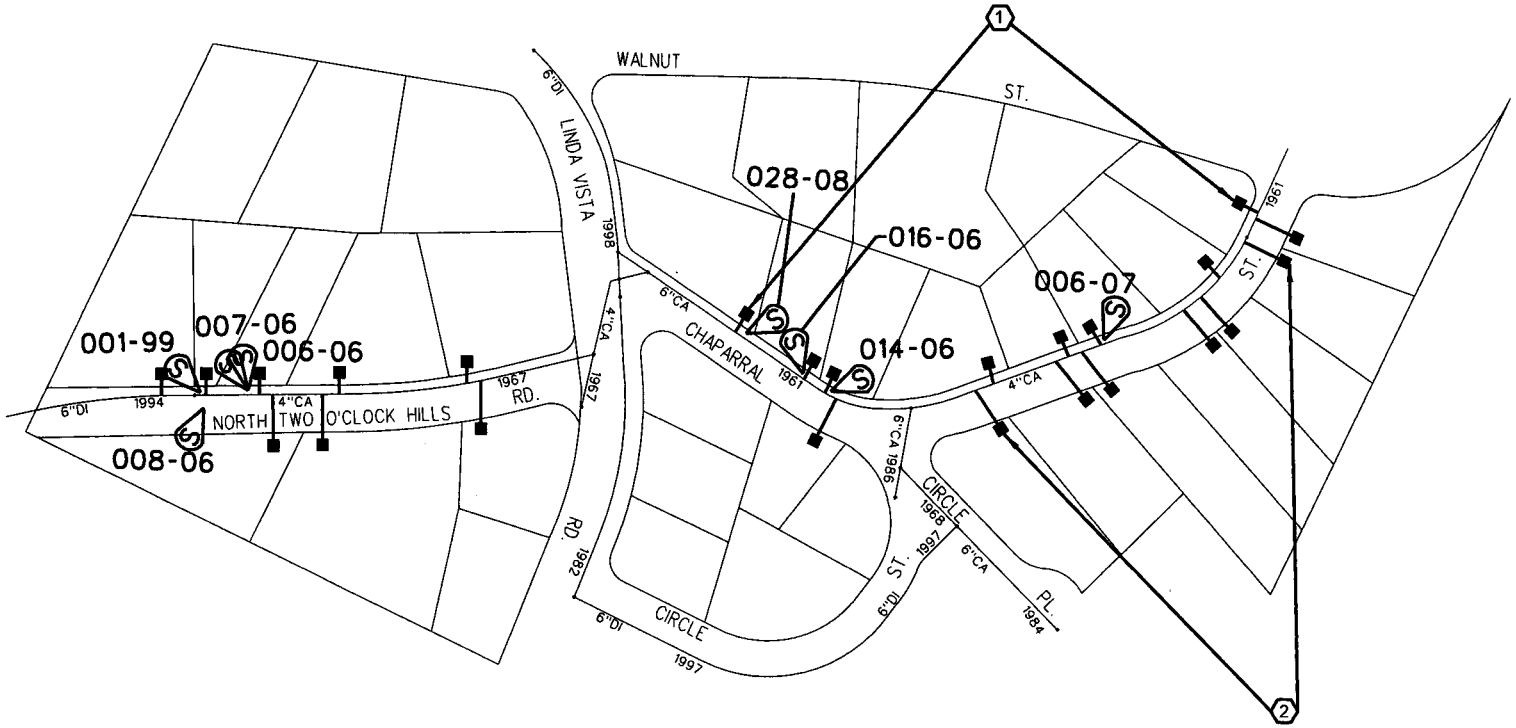
MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
13	EA	$1,750	REPLACE SHORT SERVICE	$ 22,750
11	EA	2,500	REPLACE LONG SERVICE	27,500
				-
				-
				-
				-
				-
				-
				-
				-
				-
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	50,250
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	754
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	3,518
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 54,521**
(5) OVERHEAD - 15% OF LINE (4)	8,178
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	3,271
SUBTOTAL - LINES (4), (5) AND (6)	**$ 65,971**
ESTIMATED COST OF CONSTRUCTION	**$ 65,971**

AFH

PROJECT 41



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QUANTITIES LIST

#		QTY.
1	REPLACE SHORT SERVICE	13 EA.
2	REPLACE LONG SERVICE	11 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S SERVICE LINE REPAIR/REPLACEMENT

F FITTING REPAIR/REPLACEMENT

M WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION

REPLACE 24 SERVICE CONNECTIONS
ALONG NORTH TWO O'CLOCK HILLS ROAD AND CHAPARRAL STREET.

PROJECT LOCATION

SW 1/4 SEC. 35-T.9S., R.15E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP OR-3

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	ORACLE	SAN MANUEL

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
SE 1/4 SEC.36-T.9S., R.15E.	42	MAP OR-4

PROJECT DESCRIPTION:

REPLACE 16 SERVICE CONNECTIONS ALONG NORTH CEDAR RIDGE DRIVE.

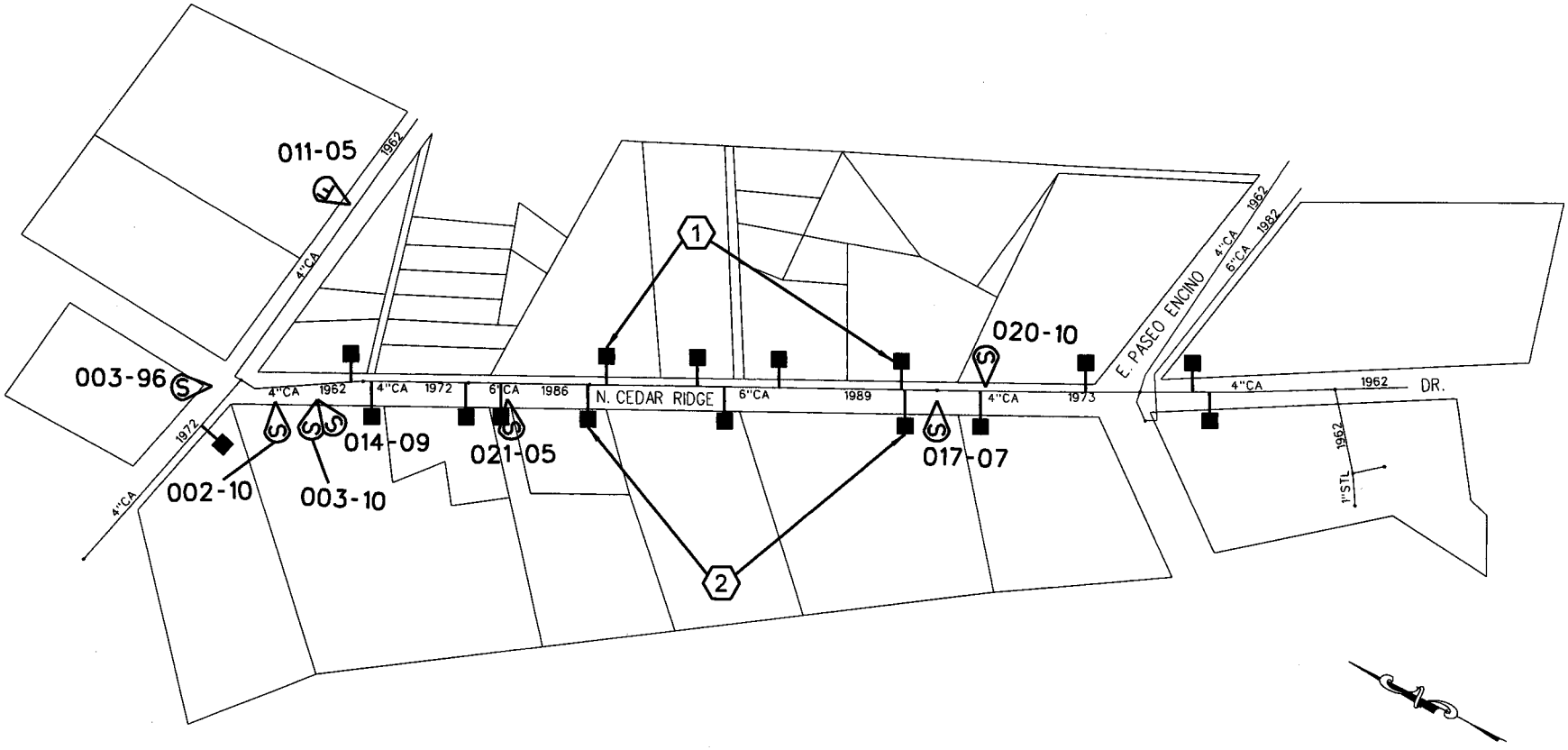
MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
8	EA	$ 1,750	REPLACE SHORT SERVICE	$ 14,000
8	EA	2,500	REPLACE LONG SERVICE	20,000
				-
				-
				-
				-
				-
				-
				-
				-
				-
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	34,000
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	510
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	2,380
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 36,890**
(5) OVERHEAD - 15% OF LINE (4)	5,534
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	2,213
SUBTOTAL - LINES (4), (5) AND (6)	**$ 44,637**
ESTIMATED COST OF CONSTRUCTION	**$ 44,637**

AFH

PROJECT 42



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QUANTITIES LIST

#		QTY.
1	REPLACE SHORT SERVICE	8 EA.
2	REPLACE LONG SERVICE	8 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S SERVICE LINE REPAIR/REPLACEMENT

F FITTING REPAIR/REPLACEMENT

M WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION

REPLACE 16 SERVICE CONNECTIONS ALONG NORTH CEDAR RIDGE DRIVE.

PROJECT LOCATION

SE 1/4 SEC. 36-T.9S., R.15E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP OR - 4

APPENDIX

9.4.3

Recommended Projects and Preliminary Cost Estimates

Bisbee water system

PROJECT NUMBER	STREET NAME	NEW PIPE LENGTH (LF)	NEW PIPE DIAMETER (IN)	NEW PIPE MATERIAL	# OF SERVICES TO BE REPLACED	REPLACED PIPE DIAMETER (IN)	REPLACED PIPE MATERIAL	RECORDED FITTING LEAKS	RECORDED MAIN LEAKS	RECORDED SERVICE LEAKS	TOTAL LEAKS	ESTIMATED TOTAL COST
43	BOWERS STREET	1,900	6	DI	22	2, 4	ST, GS	0	76	4	80	$232,374
44	OCOTILLO AVENUE	700	6	DI	11	1,2,4	PVC, GS, CU, ST	0	34	1	35	$94,656
45	LEDGE AVENUE	2,450	6	DI	41	1, 2, 4	ST, GS	0	22	13	35	$318,891
46	HIGHWAY 80	900	6	DI	0	1	PVC	0	22	0	22	$84,679
47	LEDGE AVENUE	1,650	6	DI	20	1, 2, 3	GS, PVC	0	19	2	21	$192,464
48	TERAN STREET	2,900	6	DI	22	1, 2, 6	ST, GS	0	20	0	20	$312,721
49	PARK AVENUE	700	6	DI	12	2, 4, 6	GS, ST	0	16	0	16	$98,070
50	BROPHY AVENUE	600	6	DI	11	1, 2	CU, GS	0	13	2	15	$76,802
51	COLE AVENUE	1,000	6	DI	7	6,8	ST	0	8	6	14	$112,905
52	CHURCH STREET	400	6	DI	7	4, 6	ST	0	11	1	12	$54,877
											Total	**$1,578,440**

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	BISBEE	BISBEE

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
NE 1/4 SEC.5-T.24S., R.24E.	43	MAP BE-15

PROJECT DESCRIPTION:

INSTALL 1,900 LF OF 6-INCH DIP w/POLYWRAP AND REPLACE 22 SERVICE CONNECTIONS ALONG BOWERS STREET FROM MARIE STREET TO McDONALD STREET.

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
1,900	LF	$ 70	6" DIP w/POLYWRAP	$ 133,000
12	EA	1,500	REPLACE SHORT SERVICE	18,000
10	EA	2,600	REPLACE LONG SERVICE	26,000
				-
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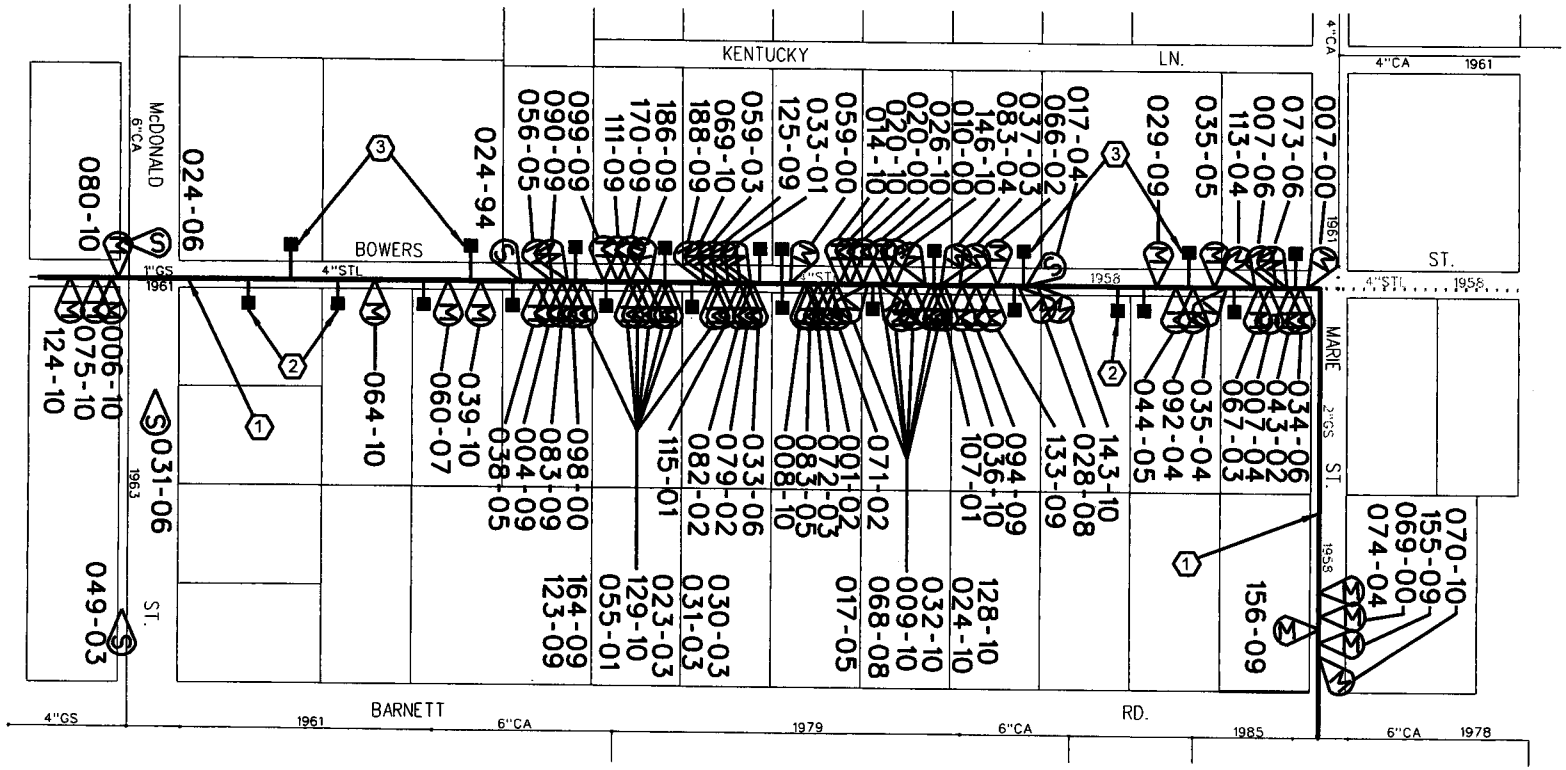
				-
				-
				-
				-
				-
				-
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	177,000
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	2,655
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	12,390
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 192,045**
(5) OVERHEAD - 15% OF LINE (4)	28,807
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	11,523
SUBTOTAL - LINES (4), (5) AND (6)	**$ 232,374**
ESTIMATED COST OF CONSTRUCTION	**$ 232,374**

AFH

PROJECT 43



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QUANTITIES LIST

#		QTY.
1	INSTALL 6" DIP w/POLYWRAP	1,900 LF
2	REPLACE SHORT SERVICE	12 EA.
3	REPLACE LONG SERVICE	10 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S — SERVICE LINE REPAIR/REPLACEMENT

F — FITTING REPAIR/REPLACEMENT

M — WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION
INSTALL 1,900 LF OF 6" DIP w/POLYWRAP AND REPLACE 22 SERVICE CONNECTIONS ALONG BOWERS STREET FROM MARIE STREET TO McDONALD STREET.

PROJECT LOCATION
NE 1/4 SEC. 5-T.24S., R.24E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP BE-15

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	BISBEE	BISBEE

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
NE 1/4 SEC.32-T.23S., R.24E.	44	MAP BE-13

PROJECT DESCRIPTION:

INSTALL 700 LF OF 6-INCH DIP W/POLYWRAP AND REPLACE 11 SERVICE CONNECTIONS ALONG OCOTILLO AVENUE.

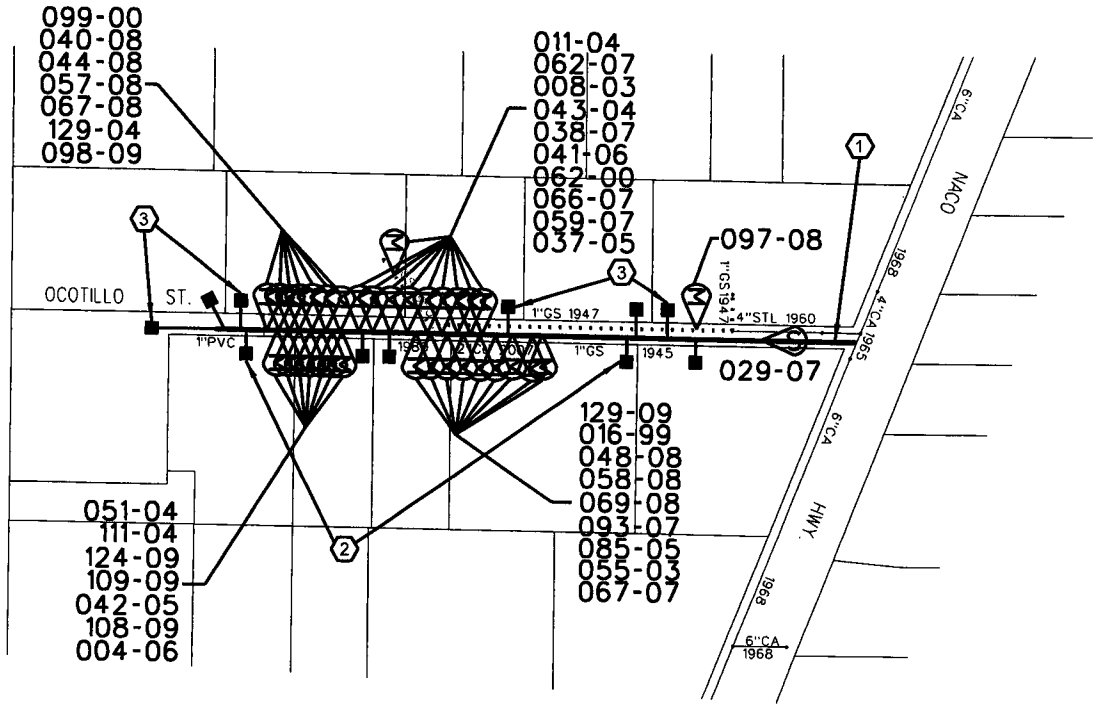
MATERIALS AND LABOR

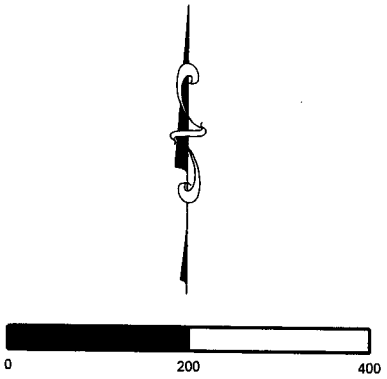
QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
700	LF	$ 70	6" DIP W/POLYWRAP	$ 49,000
5	EA	1,500	REPLACE SHORT SERVICE	7,500
6	EA	2,600	REPLACE LONG SERVICE	15,600
				-
				-
				-
				-
				-
				-
				-
				-
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	72,100
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	1,082
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	5,047
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 78,229**
(5) OVERHEAD - 15% OF LINE (4)	11,734
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	4,694
SUBTOTAL - LINES (4), (5) AND (6)	**$ 94,656**
ESTIMATED COST OF CONSTRUCTION	**$ 94,656**

AFH

PROJECT 44





QUANTITIES LIST

#		QTY.
1	INSTALL 6" DIP w/POLYWRAP	700 LF
2	REPLACE SHORT SERVICE	5 EA.
3	REPLACE LONG SERVICE	6 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S — SERVICE LINE REPAIR/REPLACEMENT

F — FITTING REPAIR/REPLACEMENT

M — WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION

INSTALL 700 LF OF 6" DIP w/POLYWRAP AND REPLACE 11 SERVICE CONNECTIONS ALONG OCOTILLO STREET.

PROJECT LOCATION

NE 1/4 SEC. 32-T.23S., R.24E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP BE-13

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	BISBEE	BISBEE

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
SE 1/4 SEC.8-T.23S., R.24E.	45	MAP BE-3

PROJECT DESCRIPTION:

INSTALL 2,450 LF OF 6-INCH DIP w/POLYWRAP AND REPLACE 41 SERVICE CONNECTIONS ALONG LEDGE AVENUE AND QUALITY ROAD.

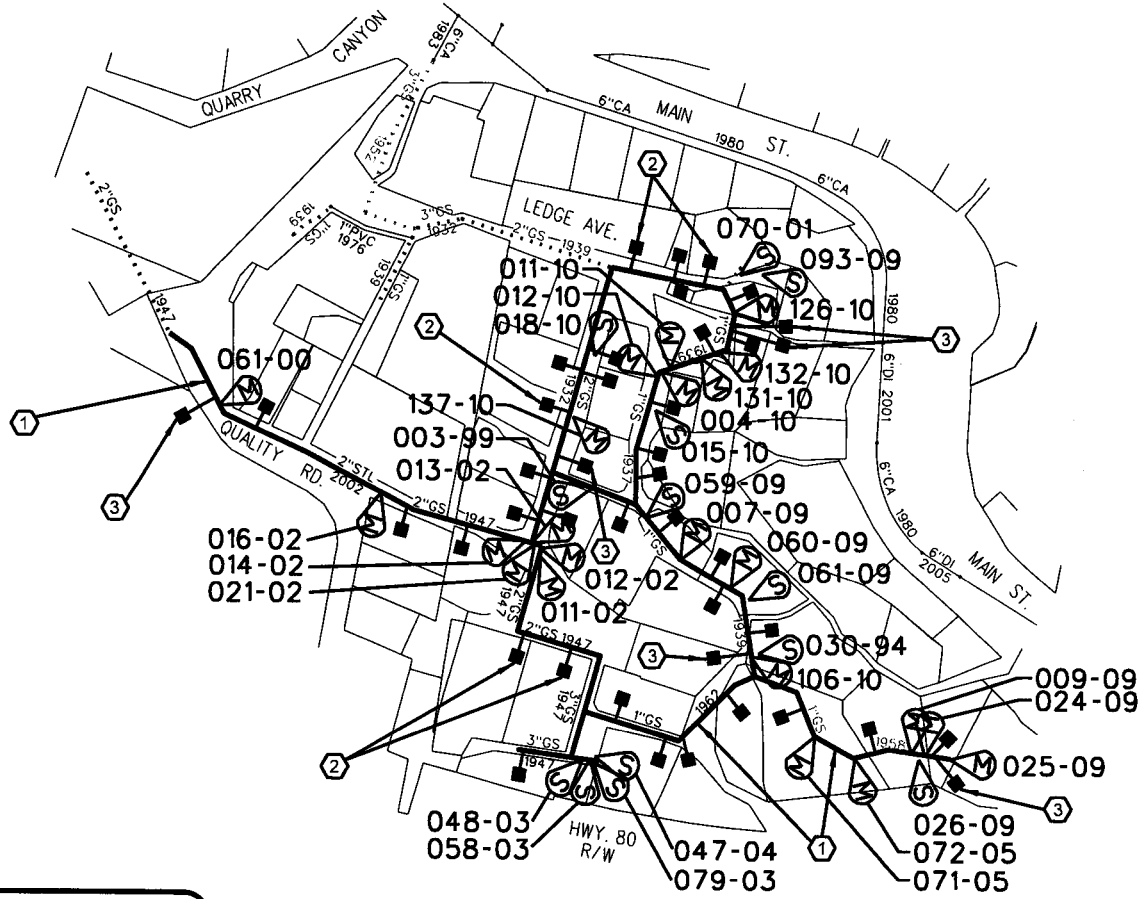
MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
2,450	LF	$ 70	6" DIP w/POLYWRAP	$ 171,500
32	EA	1,500	REPLACE SHORT SERVICE	48,000
9	EA	2,600	REPLACE LONG SERVICE	23,400
				-
				-
				-
				-
				-
				-
				-
				-
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	242,900
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	3,644
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	17,003
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 263,547**
(5) OVERHEAD - 15% OF LINE (4)	39,532
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	15,813
SUBTOTAL - LINES (4), (5) AND (6)	**$ 318,891**
ESTIMATED COST OF CONSTRUCTION	**$ 318,891**

AFH

PROJECT 45



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QUANTITIES LIST

#		QTY.
1	INSTALL 6" DIP w/POLYWRAP	2,450 LF
2	REPLACE SHORT SERVICE	32 EA.
3	REPLACE LONG SERVICE	9 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S — SERVICE LINE REPAIR/REPLACEMENT

F — FITTING REPAIR/REPLACEMENT

M — WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION

INSTALL 2,450 LF OF 6" DIP w/POLYWRAP AND 41 SERVICE CONNECTIONS ALONG LEDGE AVENUE AND QUALITY ROAD.

PROJECT LOCATION

SE 1/4 SEC. 8-T.23S., R.24E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP BE-3

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	BISBEE	BISBEE

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
NE 1/4 SEC. 15-T.23S., R.24E.	46	MAP BE-6

PROJECT DESCRIPTION:

INSTALL 900 LF OF 6-INCH DIP w/POLYWRAP AND REPLACE 1 SERVICE CONNECTION ALONG HIGHWAY 80 AND WINWOOD ROAD.

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
900	LF	$ 70	6" DIP w/POLYWRAP	$ 63,000
1	EA	1,500	REPLACE SHORT SERVICE	1,500
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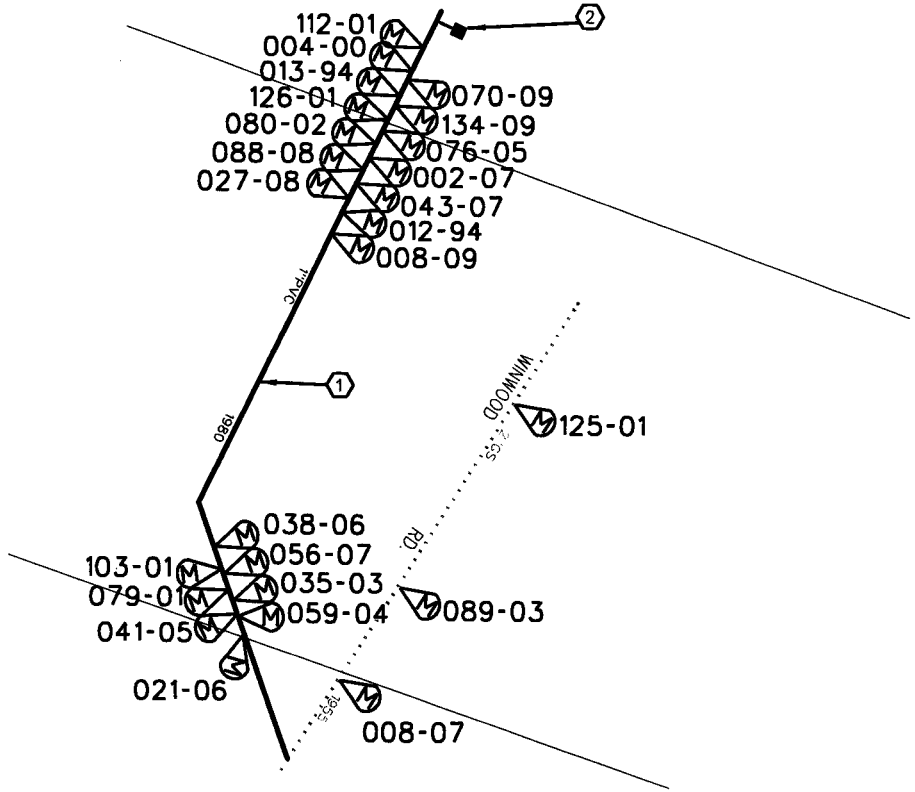
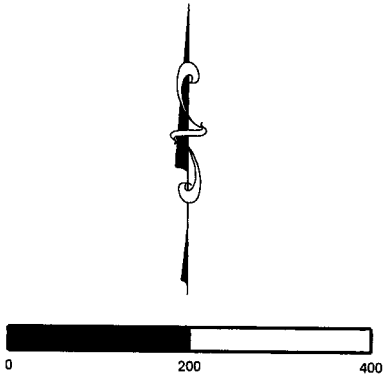
(1) **SUBTOTAL - MATERIALS AND LABOR**	64,500
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	968
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	4,515
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 69,983**
(5) OVERHEAD - 15% OF LINE (4)	10,497
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	4,199
SUBTOTAL - LINES (4), (5) AND (6)	**$ 84,679**
ESTIMATED COST OF CONSTRUCTION	**$ 84,679**

AFH

PROJECT 46





QUANTITIES LIST

#		QTY.
1	INSTALL 6" DIP w/POLYWRAP	900 LF
2	REPLACE SHORT SERVICE	1 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S — SERVICE LINE REPAIR/REPLACEMENT

F — FITTING REPAIR/REPLACEMENT

M — WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION

INSTALL 900 LF OF 6" DIP w/POLYWRAP AND REPLACE 1 SERVICE CONNECTION ALONG HIGHWAY 80 AND WINWOOD ROAD.

PROJECT LOCATION

NE 1/4 SEC. 15-T.23S., R.24E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP BE-6

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:	PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
7/15/11	AJH	FKS	BISBEE	BISBEE

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
SE 1/4 SEC.8-T.23S., R.24E.	47	MAP BE-3

PROJECT DESCRIPTION:

INSTALL 1,650 LF OF 6-INCH DIP w/POLYWRAP AND REPLACE 20 SERVICE CONNECTIONS ALONG LEDGE AVENUE, QUALITY ROAD, AND ALLEYS.

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
1,650	LF	$ 70	6" DIP w/POLYWRAP	$ 115,500
19	EA	1,500	REPLACE SHORT SERVICE	28,500
1	EA	2,600	REPLACE LONG SERVICE	2,600
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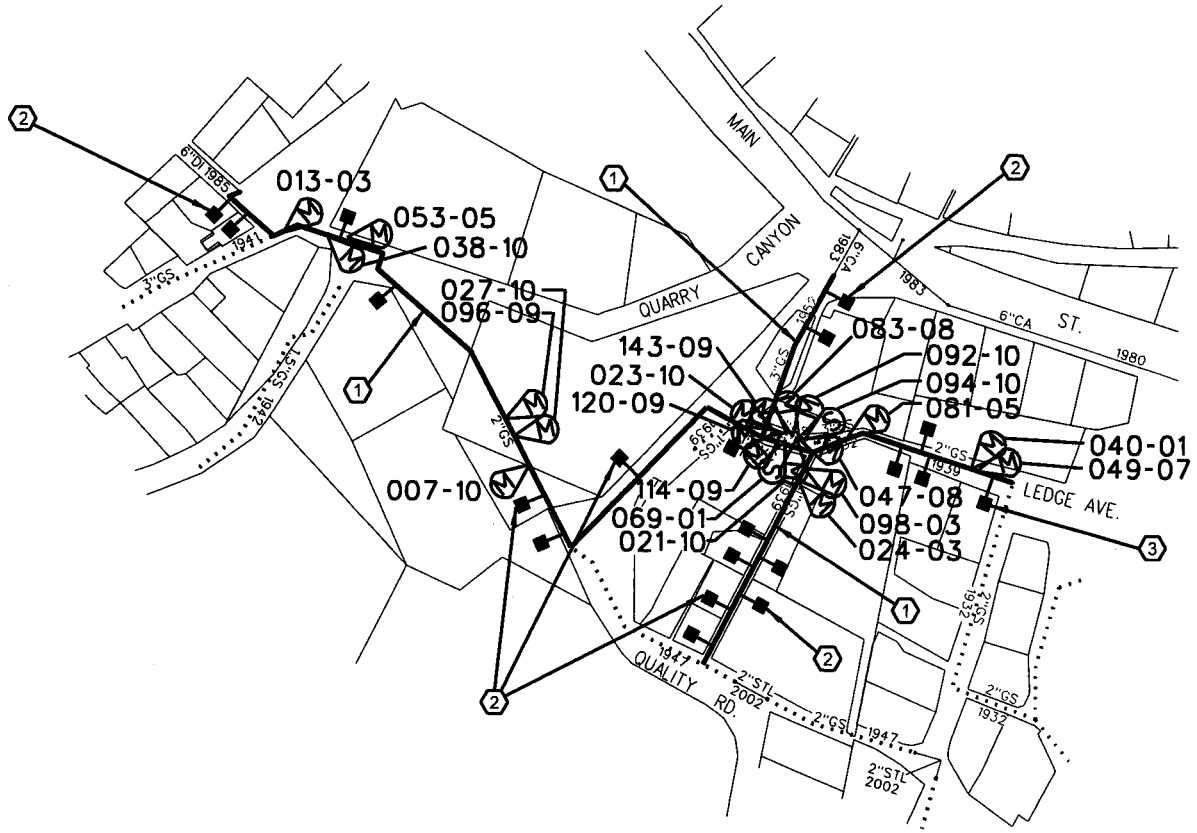
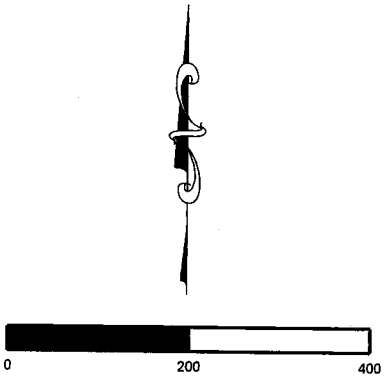
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	146,600
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	2,199
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	10,262
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 159,061**
(5) OVERHEAD - 15% OF LINE (4)	23,859
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	9,544
SUBTOTAL - LINES (4), (5) AND (6)	**$ 192,464**
ESTIMATED COST OF CONSTRUCTION	**$ 192,464**

AFH

PROJECT 47





QUANTITIES LIST

#		QTY.
1	INSTALL 6" DIP w/POLYWRAP	1,650 LF
2	REPLACE SHORT SERVICE	19 EA.
3	REPLACE LONG SERVICE	1 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S — SERVICE LINE REPAIR/REPLACEMENT

F — FITTING REPAIR/REPLACEMENT

M — WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION

INSTALL 1,650 LF OF 6" DIP w/POLYWRAP AND REPLACE 20 SERVICE CONNECTIONS ALONG LEDGE AVENUE, QUALITY ROAD, AND ALLEYS.

PROJECT LOCATION

SE 1/4 SEC. 8-T.23S., R.24E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP BE-3

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	COCHISE	COCHISE

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
SW 1/4 SEC.22-T.23S., R.24E.	48	MAP BE-9

PROJECT DESCRIPTION:

INSTALL 2,900 LF OF 6-INCH DIP w/POLYWRAP AND REPLACE 22 SERVICE CONNECTIONS ALONG TERAN STREET, ARUIZU STREET, CARBAJAL STREET, AND VARGAS STREET.

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
2,900	LF	$ 70	6" DIP w/POLYWRAP	$ 203,000
20	EA	1,500	REPLACE SHORT SERVICE	30,000
2	EA	2,600	REPLACE LONG SERVICE	5,200
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				-
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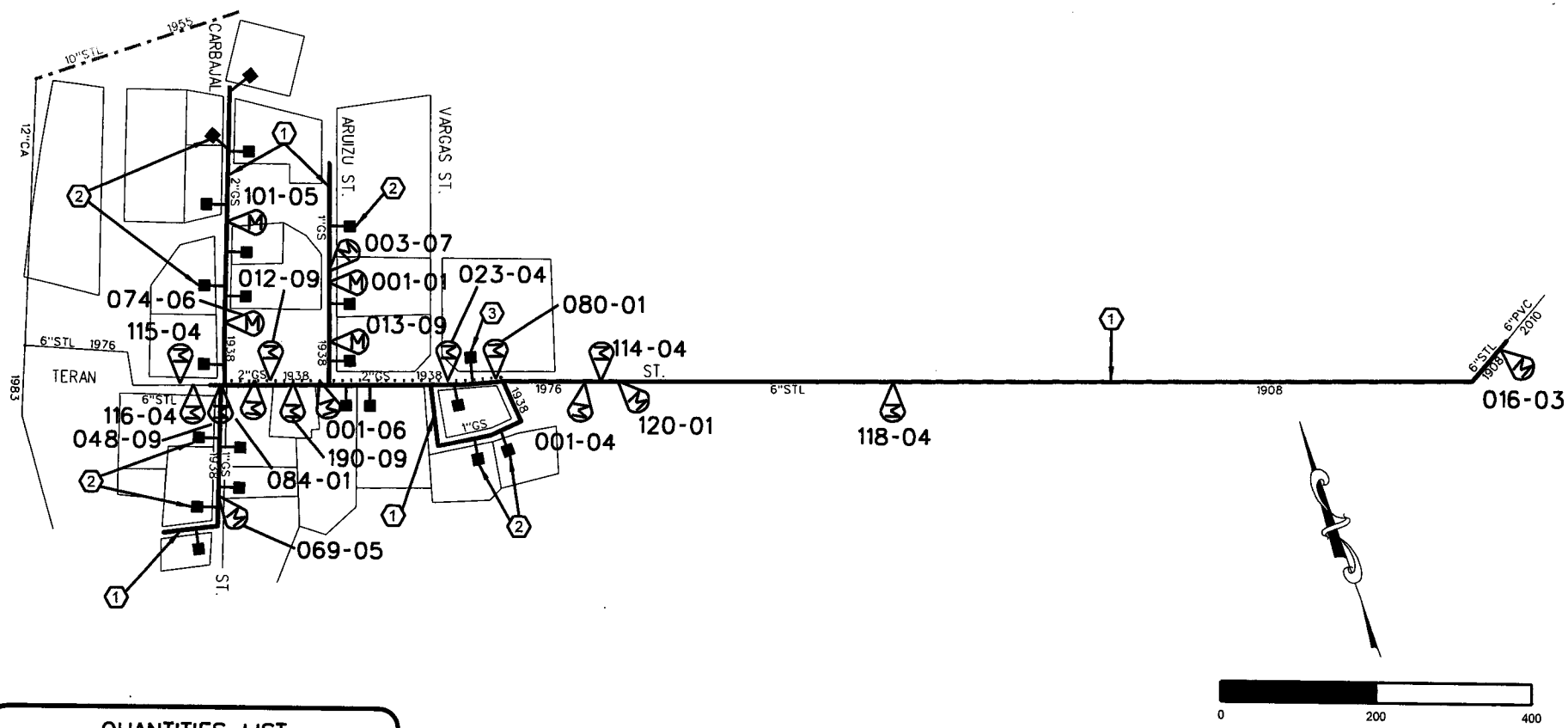
(1) **SUBTOTAL - MATERIALS AND LABOR**	238,200
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	3,573
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	16,674
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 258,447**
(5) OVERHEAD - 15% OF LINE (4)	38,767
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	15,507
SUBTOTAL - LINES (4), (5) AND (6)	**$ 312,721**
ESTIMATED COST OF CONSTRUCTION	**$ 312,721**

AFH

PROJECT 48



0 200 400

QUANTITIES LIST

#		QTY.
1	INSTALL 6" DIP w/POLYWRAP	2,900 LF
2	REPLACE SHORT SERVICE	20 EA.
3	REPLACE LONG SERVICE	2 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S — SERVICE LINE REPAIR/REPLACEMENT

F — FITTING REPAIR/REPLACEMENT

M — WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION
INSTALL 2,900 LF OF 6" DIP w/POLYWRAP AND REPLACE 22 SERVICE CONNECTIONS ALONG TERAN STREET, ARUIZU STREET, CARBAJAL STREET AND VARGAS STREET.

PROJECT LOCATION
SW 1/4 SEC. 22-T.23S., R.24E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP BE-9

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED: 7/15/11			
PREPARED BY: AJH	APPROVED BY: FKS	SYSTEM: BISBEE	DIVISION: BISBEE
PROJECT LOCATION: SE 1/4 SEC.15-T.23S., R.24E. NE 1/4 SEC.22-T.23S., R.24E.		PROJECT NUMBER: 49	REFERENCE MAP: MAP BE-6 & 9

PROJECT DESCRIPTION:

INSTALL 700 LF OF 6-INCH DIP w/POLYWRAP AND REPLACE 12 SERVICE CONNECTIONS ALONG PARK AVENUE.

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
700	LF	$ 70	6" DIP w/POLYWRAP	$ 49,000
5	EA	1,500	REPLACE SHORT SERVICE	7,500
7	EA	2,600	REPLACE LONG SERVICE	18,200
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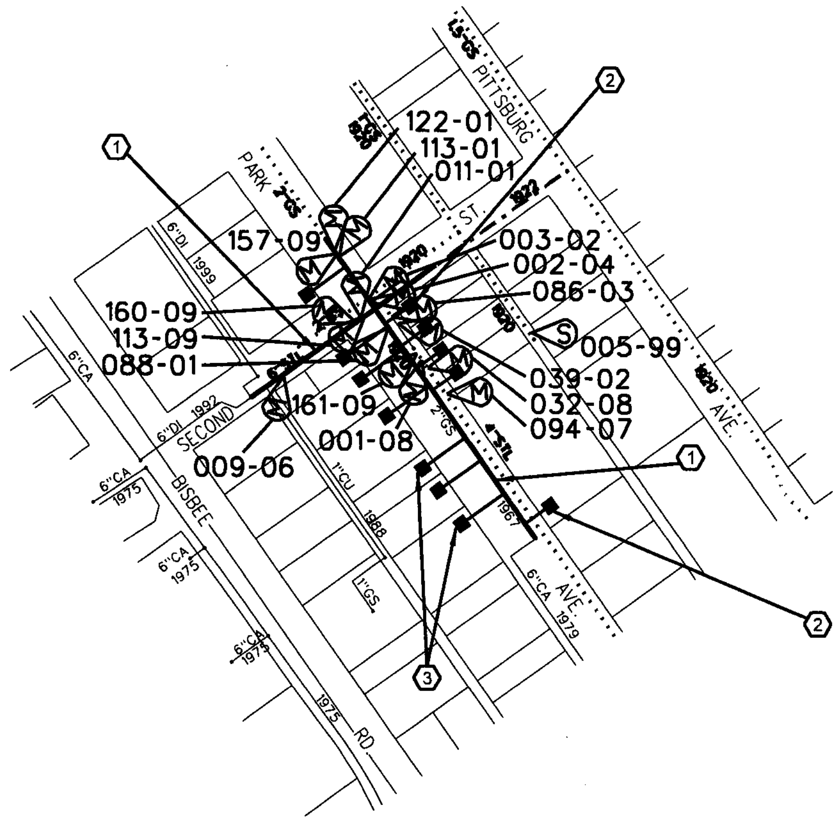
(1) **SUBTOTAL - MATERIALS AND LABOR**	74,700
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	1,121
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	5,229
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 81,050**
(5) OVERHEAD - 15% OF LINE (4)	12,157
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	4,863
SUBTOTAL - LINES (4), (5) AND (6)	**$ 98,070**
ESTIMATED COST OF CONSTRUCTION	**$ 98,070**

AFH

PROJECT 49



I	QUANTITIES LIST	QTY.
1	INSTALL 6" DIP w/POLYWRAP	700 LF
2	REPLACE SHORT SERVICE	5 EA.
3	REPLACE LONG SERVICE	7 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S — SERVICE LINE REPAIR/REPLACEMENT

F — FITTING REPAIR/REPLACEMENT

M — WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION	
INSTALL 700 LF OF 6" DIP w/POLYWRAP AND 12 SERVICE CONNECTIONS ALONG PARK AVENUE.	
PROJECT LOCATION	SE 1/4 SEC. 15-T.23S., R.24E. NE 1/4 SEC. 22-T.23S., R.24E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP BE-6 & BE-9

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	BISBEE	BISBEE

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
NW 1/4 SEC.8-T.23S., R.24E.	50	MAP BE-3

PROJECT DESCRIPTION:

INSTALL 600 LF OF 6-INCH DIP w/POLYWRAP AND REPLACE 11 SERVICE CONNECTIONS ALONG BROPHY AVENUE.

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
600	LF	$ 70	6" DIP w/POLYWRAP	$ 42,000
11	EA	1,500	REPLACE SHORT SERVICE	16,500
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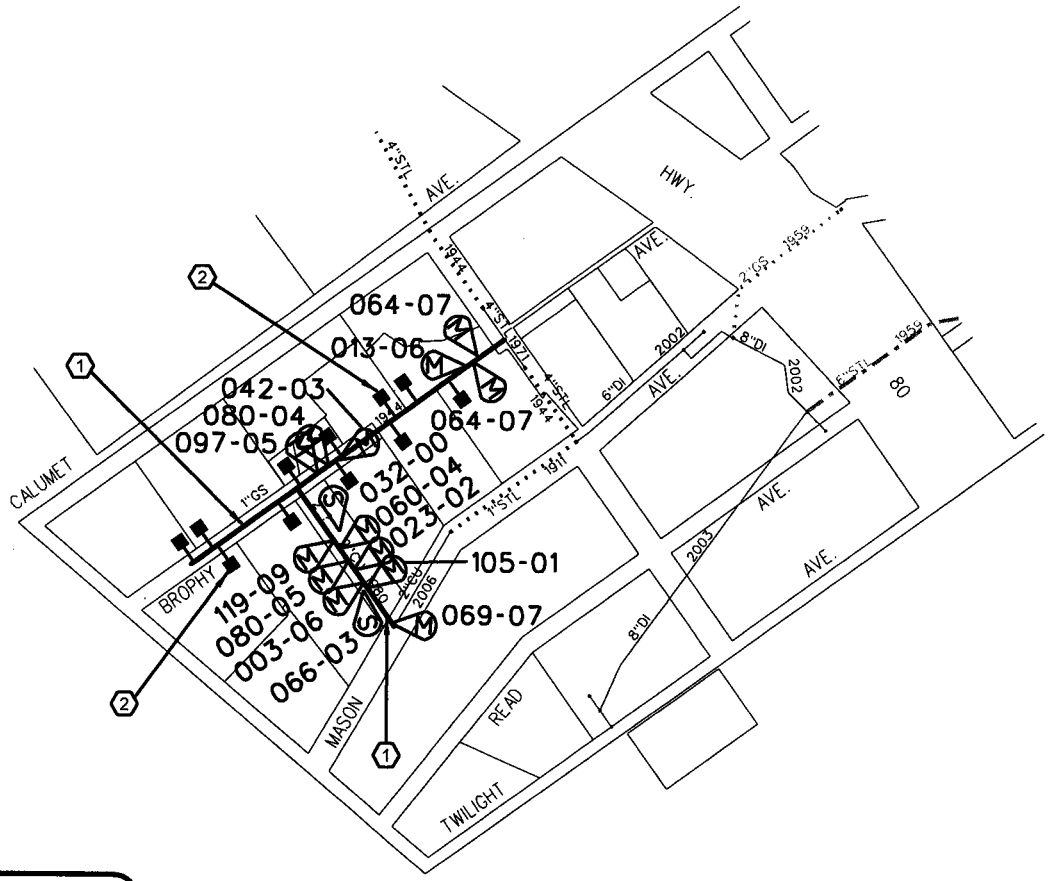
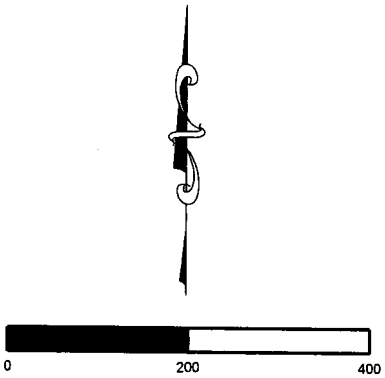
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	58,500
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	878
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	4,095
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 63,473**
(5) OVERHEAD - 15% OF LINE (4)	9,521
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	3,808
SUBTOTAL - LINES (4), (5) AND (6)	**$ 76,802**
ESTIMATED COST OF CONSTRUCTION	**$ 76,802**

AFH

PROJECT 50





QUANTITIES LIST

#		QTY.
1	INSTALL 6" DIP w/POLYWRAP	600 LF
2	REPLACE SHORT SERVICE	11 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S — SERVICE LINE REPAIR/REPLACEMENT

F — FITTING REPAIR/REPLACEMENT

M — WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION

INSTALL 600 LF OF 6" DIP w/POLYWRAP AND REPLACE 11 SERVICE CONNECTIONS ALONG BROPHY AVENUE.

PROJECT LOCATION

NW 1/4 SEC. 8-T.23S., R.24E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP BE-3

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	BISBEE	BISBEE

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
NE 1/4 SEC.23-T.23S., R.24E.	51	MAP BE-10

PROJECT DESCRIPTION:

INSTALL 1,000 LF OF 6-INCH DIP w/POLYWRAP AND REPLACE 7 SERVICE CONNECTIONS ALONG COLE AVENUE.

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
1,000	LF	$ 70	6" DIP w/POLYWRAP	$ 70,000
2	EA	1,500	REPLACE SHORT SERVICE	3,000
5	EA	2,600	REPLACE LONG SERVICE	13,000
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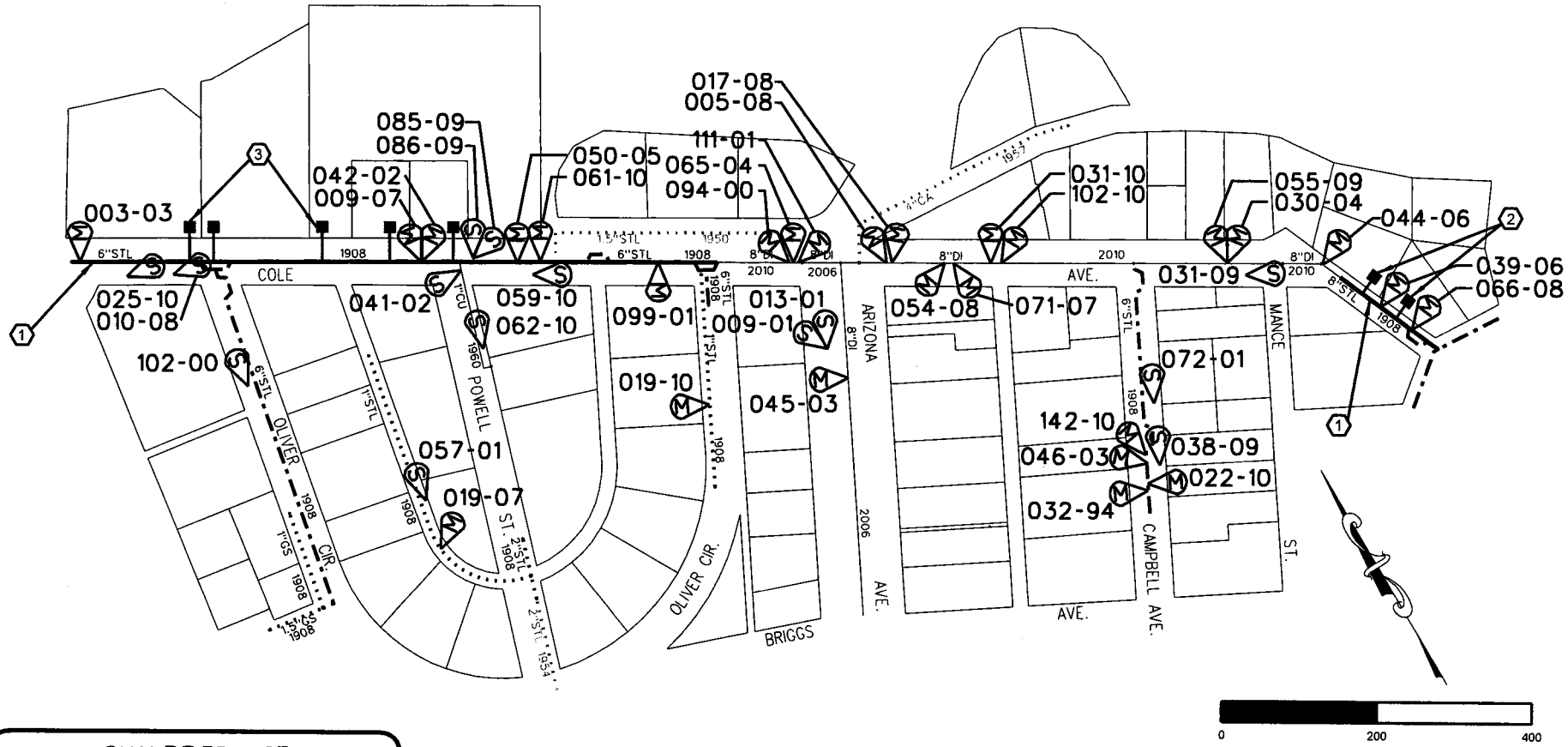
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	86,000
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	1,290
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	6,020
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 93,310**
(5) OVERHEAD - 15% OF LINE (4)	13,997
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	5,599
SUBTOTAL - LINES (4), (5) AND (6)	**$ 112,905**
ESTIMATED COST OF CONSTRUCTION	**$ 112,905**

AFH

PROJECT 51



QUANTITIES LIST

#		QTY.
1	INSTALL 6" DIP w/POLYWRAP	1,000 LF
2	REPLACE SHORT SERVICE	2 EA.
3	REPLACE LONG SERVICE	5 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S — SERVICE LINE REPAIR/REPLACEMENT

F — FITTING REPAIR/REPLACEMENT

M — WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION

INSTALL 1,000 LF OF 6" DIP w/POLYWRAP AND REPLACE 7 SERVICE CONNECTIONS ALONG COLE AVENUE.

PROJECT LOCATION

N 1/2 SEC. 23-T.23S., R.24E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP BE-10

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:
7/15/11

PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
AJH	FKS	BISBEE	BISBEE

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:
SW 1/4 SEC9-T.23S., R.24E.	52	MAP BE-4

PROJECT DESCRIPTION:

INSTALL 400 LF OF 6-INCH DIP w/POLYWRAP AND REPLACE 7 SERVICE CONNECTIONS ALONG CHURCH STREET FROM CLAWSON AVENUE TO SOWELS AVENUE.

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
400	LF	$ 70	6" DIP w/POLYWRAP	$ 28,000
4	EA	1,500	REPLACE SHORT SERVICE	6,000
3	EA	2,600	REPLACE LONG SERVICE	7,800
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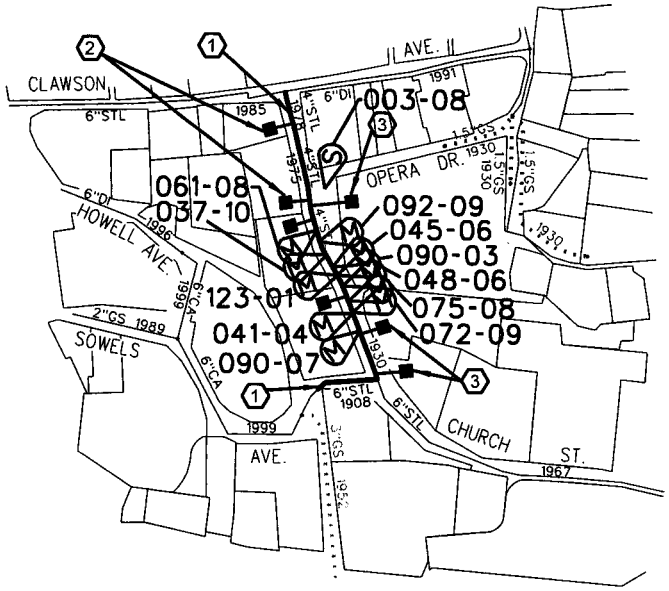
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	41,800
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	627
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	2,926
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 45,353**
(5) OVERHEAD - 15% OF LINE (4)	6,803
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	2,721
SUBTOTAL - LINES (4), (5) AND (6)	**$ 54,877**
ESTIMATED COST OF CONSTRUCTION	**$ 54,877**

AFH

PROJECT 52



0 200 400

QUANTITIES LIST

#		QTY.
1	INSTALL 6" DIP w/POLYWRAP	400 LF
2	REPLACE SHORT SERVICE	4 EA.
3	REPLACE LONG SERVICE	3 EA.

PRELIMINARY DRAWING
VALVE AND FIRE HYDRANT LOCATION
TO BE DETERMINED IN PROJECT DESIGN

S SERVICE LINE REPAIR/REPLACEMENT

F FITTING REPAIR/REPLACEMENT

M WATER MAIN REPAIR/REPLACEMENT

021-10 LEAK NUMBER

ARIZONA WATER COMPANY

PROJECT DESCRIPTION
INSTALL 400 LF OF 6" DIP w/POLYWRAP AND REPLACE 7 SERVICE CONNECTIONS ALONG CHURCH STREET FROM CLAWSON AVENUE TO SOWELS AVENUE.

PROJECT LOCATION
SW 1/4 SEC. 9-T.23S., R.24E.

DRAWN BY:	APPROVED BY:	DATE:	REFERENCE MAP:
JS	AH/FS	7/15/2011	MAP BE-4

APPENDIX

9.5

Eastern Group Infrastructure

Replacement Cost Estimate

ARIZONA WATER COMPANY PRELIMINARY COST ESTIMATE				DATE PREPARED: 7/1/2011
PREPARED BY: MRL	APPROVED BY: FKS	SYSTEM: EASTERN GROUP	DIVISION: EASTERN GROUP	
PROJECT LOCATION:		PROJECT NUMBER:	REFERENCE MAP:	
PROJECT DESCRIPTION: EASTERN GROUP WATER SYSTEMS 10-YEAR INFRASTRUCTURE REPLACEMENT PLAN				

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
1	LOT	$ 31,687,458	Superstition Division	$ 31,687,458
1	LOT	1,375,395	Oracle water system	1,375,395
1	LOT	17,921,980	Bisbee water system	17,921,980
				-
				-
				-
				-
				-
				-
				-
				-
				-
				-
(1) **SUBTOTAL - MATERIALS AND LABOR**				50,984,833
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)				764,773
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION				3,568,939
(4) SUBTOTAL - LINES (1), (2) AND (3)				**$ 55,318,545**
(5) OVERHEAD - 15% OF LINE (4)				8,297,782
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS				3,319,113
SUBTOTAL - LINES (4), (5) AND (6)				**$ 66,935,440**
ESTIMATED COST OF CONSTRUCTION				**$ 66,935,440**

AFH

APPENDIX

9.5.1

Eastern Group Infrastructure

Replacement Cost Estimate

Superstition Division

ARIZONA WATER COMPANY PRELIMINARY COST ESTIMATE			DATE PREPARED: 7/1/2011
PREPARED BY: MRL	APPROVED BY: FKS	SYSTEM: SUPERSTITION	DIVISION: SUPERSTITION
PROJECT LOCATION:		PROJECT NUMBER:	REFERENCE MAP:

PROJECT DESCRIPTION:

SUPERSTITION DIVISION 10-YEAR INFRASTRUCTURE REPLACEMENT PLAN

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
1,011	LF	$ 68	REPLACE 1910-1919 MAINS w/ 6" DIP	$ 68,748
860	LF	68	REPLACE 1920-1929 MAINS w/ 6" DIP	58,480
40,984	LF	68	REPLACE 1930-1939 MAINS w/ 6" DIP	2,786,912
5,903	LF	98	REPLACE 1930-1939 MAINS w/ 8" DIP	578,494
856	LF	128	REPLACE 1930-1939 MAINS w/ 12" DIP	109,568
51,333	LF	68	REPLACE 1940-1949 MAINS w/ 6" DIP	3,490,644
70,509	LF	68	REPLACE PROBLEMATIC MAINS 1950&NEWER W/ 6" DIP	4,794,612
2,350	EA	3,000	REPLACE SERVICES ON MAINS 1910-1949	7,050,000
4,250	EA	3,000	REPLACE PLASTIC SERVICES	12,750,000
				-
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				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	31,687,458
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	475,312
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	2,218,122
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 34,380,892**
(5) OVERHEAD - 15% OF LINE (4)	5,157,134
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	2,062,854
SUBTOTAL - LINES (4), (5) AND (6)	**$ 41,600,880**
ESTIMATED COST OF CONSTRUCTION	**$ 41,600,880**

AFH

APPENDIX

9.5.2

Eastern Group Infrastructure

Replacement Cost Estimate

Oracle water system

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:			
7/1/2011			
PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
MRL	FKS	ORACLE	SAN MANUEL
PROJECT LOCATION:		PROJECT NUMBER:	REFERENCE MAP:

PROJECT DESCRIPTION:

ORACLE WATER SYSTEM 10-YEAR INFRASTRUCTURE REPLACEMENT PLAN

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
10,689	LF	$ 55	REPLACE PROBLEMATIC MAINS 1950&NEWER W/ 6" DIP	$ 587,895
450	EA	1,750	REPLACE PLASTIC SERVICES	787,500
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				-
				-
				-
				-
				-
				-
(1) **SUBTOTAL - MATERIALS AND LABOR**				1,375,395
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)				20,631
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION				96,278
(4) SUBTOTAL - LINES (1), (2) AND (3)				**$ 1,492,304**
(5) OVERHEAD - 15% OF LINE (4)				223,846
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS				89,538
SUBTOTAL - LINES (4), (5) AND (6)				**$ 1,805,688**
ESTIMATED COST OF CONSTRUCTION				**$ 1,805,688**

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APPENDIX

9.5.3

Eastern Group Infrastructure

Replacement Cost Estimate

Bisbee water system

ARIZONA WATER COMPANY

PRELIMINARY COST ESTIMATE

DATE PREPARED:	PREPARED BY:	APPROVED BY:	SYSTEM:	DIVISION:
7/1/2011	MRL	FKS	BISBEE	COCHISE

PROJECT LOCATION:	PROJECT NUMBER:	REFERENCE MAP:

PROJECT DESCRIPTION:

BISBEE WATER SYSTEM 10-YEAR INFRASTRUCTURE REPLACEMENT PLAN

MATERIALS AND LABOR

QUANTITY	UNIT	$/UNIT	DESCRIPTION	ESTIMATED ITEM COST
40,379	LF	$ 70	REPLACE 1900-1909 MAINS w/ 6" DIP	$ 2,826,530
3,153	LF	100	REPLACE 1900-1909 MAINS w/ 8" DIP	315,300
20,139	LF	130	REPLACE 1900-1909 MAINS w/ 12" DIP	2,618,070
21,701	LF	70	REPLACE 1910-1919 MAINS w/ 6" DIP	1,519,070
14,077	LF	70	REPLACE 1920-1929 MAINS w/ 6" DIP	985,390
6,731	LF	70	REPLACE 1930-1939 MAINS w/ 6" DIP	471,170
23,684	LF	70	REPLACE 1940-1949 MAINS w/ 6" DIP	1,657,880
58,551	LF	70	REPLACE PROBLEMATIC MAINS 1950&NEWER W/ 6" DIP	4,098,570
1,500	EA	2,000	REPLACE SERVICES ON MAINS 1900-1949	3,000,000
215	EA	2,000	REPLACE PLASTIC SERVICES	430,000
				-
				-
				-

(1) **SUBTOTAL - MATERIALS AND LABOR**	17,921,980
(2) PERFORMANCE BOND @ 1.5% OF LINE (1)	268,830
(3) SURVEY, R.O.W. PERMITTING, TESTING AND FIELD INSPECTION	1,254,539
(4) SUBTOTAL - LINES (1), (2) AND (3)	**$ 19,445,349**
(5) OVERHEAD - 15% OF LINE (4)	2,916,802
(6) PREPARATION OF DETAILED PLANS, SPECIFICATIONS & BIDDING DOCUMENTS	1,166,721
SUBTOTAL - LINES (4), (5) AND (6)	**$ 23,528,872**
ESTIMATED COST OF CONSTRUCTION	**$ 23,528,872**

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