0000122519

Transcript Exhibit(s)

W-04264A-04-0438

SW-04265A-04-0439

W-01445A-04-0753

Part 2 of ~~2~~ 3 (see barcode 0000122518 for Part 1)
(See barcode 0000122520 for Part 3)

Arizona Corporation Commission
DOCKETED
AUG 19 2005
DOCKETED BY

RECEIVED
2005 AUG 19 P 2: 24
AZ CORP COMMISSION
DOCUMENT CONTROL

Arizona Court Reporters Association

Arizona Reporting Service, Inc.

Court Reporting & Videoconferencing Center

e-mail: azrs@az-reporting.com
www.az-reporting.com

NCRA MEMBER Guardians of the Record

Marta T. Hetzer
Administrator/Owner

Suite Three
2627 North Third Street
Phoenix, AZ 85004-1126
(602) 274-9944
FAX: (602) 277-4264

To: Docket Control

Re: Woodruff Water Company W-04264A-04-0438; et al.
Volumes I through VII Concluded
May 23 through August 4, 2005

STATUS OF ORIGINAL EXHIBITS

FILED WITH DOCKET CONTROL
08-19-2005

STAFF

1, 3, 4, and 5.

ARIZONA WATER COMPANY

1A, 1B, 2 through 9, 9A, 9B, 10, 11, 12, 12A, 12B, 12C, 13 through 19, 20A, 20B, and 23 through 26.

WOODRUFF WATER COMPANY

1, 1B, 2 through 15, 21, 23, 26A, 31 through 45, 47A, 51B, 53A, 53B, 54, 55, 56C, 56D, 56E, 57, 60, 80, 81, 83, and 84.

EXHIBIT NUMBERS NOT UTILIZED
Numbers skipped or exhibit not used

STAFF

2

ARIZONA WATER COMPANY

1, 20, 21, and 22.

WOODRUFF WATER COMPANY

22, 23A, 23B, 24, 25, 27, 28, 30, 46, 48, 49, 50, 51, 52, 53, 56, 56A, 56B, 58, 59, 61 through 74, 77, 78, 79, 82, 85, and 86.

ORIGINAL EXHIBITS RETURNED TO PARTIES

STAFF

2	Not utilized

ARIZONA WATER COMPANY

20	Not utilized
21	Not utilized

WOODRUFF WATER COMPANY

16 through 20	Not moved by design or oversight
22	Not utilized
23C	Not moved by design or oversight
24 and 25	Not utilized
26	Not moved by design or oversight
27 and 28	Not utilized
29	Not moved by design or oversight
30 and 46	Not utilized
47	Not moved by design or oversight
48 through 50	Not utilized
51A	Not moved by design or oversight
52	Not utilized
75 and 76	Not admitted by a ruling
87	Not moved by design or oversight

Copy to:

Marc Stern, ALJ (letter only)
Staff (Tim Sabo, Esq.)
WWC (Snell & Wilmer, Jeffrey Crockett, Esq.)
WWC (Sacks Tierney, Marvin S. Cohen, Esq., letter only)
AWC (Bryan Cave, Steven A. Hirsch, Esq.)

TABLES

TABLES

TABLE 1

Sundance Farms - Demand Calculations			
Item	**Units**	**Rate**	**Demand (ac-ft/yr)**
Residential			
Standard Single Family Indoor & Outdoor	12,720 du	125 gpd/c 3 c/du	5,343.09
Total Residential Demand			**5,343.09**
Non-residential			
Open Space[1]	238.50 ac turf	4.8 ac-ft/ac(turf)	1,502.55
	238.50 ac lwul	1.5 ac-ft/ac(lwul)	
	0.00 ac-ft	0 ac-ft/ac(not irrigated)	
K-8 Schools [2]	8,268 students	25 gal/stu/day	232
	20.7 ac turf	4.8 ac-ft/ac (turf)	112
	8.3 ac lwul	1.5 ac-ft/ac (lwul)	
9-12 Schools [3]	3,180 students	45 gal/stu/day	160
	11.9 ac turf	4.8 ac-ft/ac (turf)	64
	4.8 ac lwul	1.5 ac-ft/ac (lwul)	
Construction [4]	12,720 du	10,000 g/du	3.90
System Losses	7,418 ac-ft/yr	10 %	741.75
Total Non-residential Demand			**2,816.20**
TOTAL DEMAND			**8,159.29**

[1] 50% turf and 50% low water use landscaping applied to 465 estimated open space acres

[2] No. of K-8 students estimated at 0.65 students per dwelling unit, school acreage estimated at 0.01 acres per student
25% of School acreage estimated as turf, 10% estimated as low water use landscaping, 65% estimated as not irrigated

[3] No. of 9-12 students estimated at 0.25 students per dwelling unit, school acreage estimated at 0.015 acres per student
25% of School acreage estimated as turf, 10% estimated as low water use landscaping, 65% estimated as not irrigated

[4] Construction demand divided by 100, since construction will occur only once in 100 years

TABLE 2
Calculation of Aquifer Coefficients

Section	Layer Thickness (ft)			Hydraulic Conductivity (gpd/ft^2)*		Depth to Water (ft bls)		Saturated Thickness (feet)		Transmissivity (gpd/ft)			Specific Yield (dimensionless)		
	Layer 1	Layer 2	Total	Layer 1	Layer 2	Layer 1	Layer 2	Layer 1	Layer 2	Layer 1	Layer 2	Total	Layer 1	Layer 2	Average
D(5-7)10	200	580	780	750	75	75	180	-	800	-	60,000	60,000	0.150	0.050	0.050
D(5-7)11	210	720	930	750	75	75	180	-	800	-	60,000	60,000	0.150	0.050	0.050
D(5-7)12	235	750	985	750	75	75	180	-	800	-	60,000	60,000	0.150	0.050	0.050
D(5-7)13	245	940	1,185	750	75	75	180	-	800	-	60,000	60,000	0.150	0.050	0.050
D(5-7)14	235	800	1,035	750	75	75	180	-	800	-	60,000	60,000	0.150	0.050	0.050
D(5-7)15	215	580	795	750	90	75	180	-	800	-	72,000	72,000	0.150	0.050	0.050
D(5-7)22	240	750	990	650	75	75	180	-	800	-	60,000	60,000	0.150	0.050	0.050
D(5-7)23	255	935	1,190	750	75	75	180	-	800	-	60,000	60,000	0.150	0.050	0.050
D(5-7)24	270	1,280	1,550	750	60	75	180	-	800	-	48,000	48,000	0.150	0.050	0.050
D(5-7)25	285	1,460	1,745	550	30	75	180	-	800	-	24,000	24,000	0.150	0.050	0.050
D(5-7)26	280	1,015	1,295	650	48	75	180	-	800	-	38,400	38,400	0.160	0.050	0.050
D(5-7)27	265	830	1,095	550	54	75	180	-	800	-	43,200	43,200	0.160	0.050	0.050
D(5-7)34	290	810	1,100	450	54	75	180	-	800	-	43,200	43,200	0.150	0.050	0.050
D(5-7)35	305	1,295	1,600	450	30	75	180	-	800	-	24,000	24,000	0.150	0.050	0.050
D(5-7)36	310	2,094	2,404	500	21	75	180	-	800	-	16,800	16,800	0.150	0.050	0.050
D(5-8)7	235	855	1,090	750	60	75	180	-	800	-	48,000	48,000	0.150	0.050	0.050
D(5-8)18	250	990	1,240	700	60	75	180	-	800	-	48,000	48,000	0.150	0.050	0.050
D(5-8)19	275	1,420	1,695	700	60	75	180	-	800	-	48,000	48,000	0.150	0.050	0.050
D(5-8)30	295	1,705	2,000	600	30	75	180	-	800	-	24,000	24,000	0.160	0.050	0.050
D(5-8)31	325	2,089	2,414	500	21	75	180	-	800	-	16,800	16,800	0.150	0.050	0.050
min	200	580	780	450	21	75	180	-	800	-	16,800	16,800	0.150	0.050	0.050
max	325	2,094	2,414	750	90	75	180	-	800	-	72,000	72,000	0.160	0.050	0.050
avg	261	1,095	1,356	653	57.2	75	180	-	800	-	47,200	**47,200**	0.152	0.050	**0.050**

*Layer 2 Hydraulic Conductivity x 3 (Corkhill and Plato, 1992)

APPENDICES

APPENDICES

APPENDIX A

APPENDIX A

WELL DRILLER REPORTS

(Source: ADWR, 2002a & 2002b)

ADWR Wells Report - B.793 - Sundance Farms, Pinal County, Arizona

55-	Legal Location	Well Type	Well Uses / Water Uses	Installed	TD	WL	Casing Depth	Casing Width	Perf Interval	Pump Rate	Drill Log	Owner	Canc-elled
55-604578	D(05-07)12 BCD	EXEMPT	WATER PRODUCTION / DOMESTIC	1/1/1940	285	120	285	8		17		ELLIS, STANLEY,E	
55-604704	D(05-07)12 CAA	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1922	800	200	800	20		1500		ROBERTSON, P J	
55-604713	D(05-07)12 CAA	EXEMPT	WATER PRODUCTION / DOMESTIC	1/1/1958	250	200	250	6		20		ROBERTSON, P J	
55-547293	D(05-07)12 CAA	NON-DOMESTIC EXEMPT	WATER PRODUCTION / IRRIGATION	2/28/1996	1470	220	1470	20	230-850 910-1450	0	X	ROBERTSON	
55-604579	D(05-07)12 CAB	EXEMPT	WATER PRODUCTION / DOMESTIC	1/1/1940	165	130	165	6		12		ELLIS, STANLEY,E	
55-573659	D(05-07)12 CBD	NON-SERVICE	WATER PRODUCTION / INDUSTRIAL	2/7/2000	750	120	750	10	320-520 535-730	0	X	MARTINEZ	
55-594511	D(05-07)12 CCA	NON-SERVICE	WATER PRODUCTION / INDUSTRIAL	00000000	0	0	0	0		0		REZZONICO	
55-604707	D(05-07)12 CDC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1976	1300	200	1300	20		2500		ROBERTSON, PATRICIA,	
55-604706	D(05-07)12 CDD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1923	1000	200	1000	20	75-287, 302-308, 310-999	1500		ROBERTSON, P J	
55-604705	D(05-07)12 CDD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1956	970	200	970	20	300-960	1500		ROBERTSON, P J	

55-	Legal Location	Well Type	Well Uses / Water Uses	Installed	TD	WL	Casing Depth	Casing Width	Perf Interval	Pump Rate	Drill Log	Owner	Canc-elled
55-621833	D(05-07)12 D--	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	6/6/1973	1500	0	1500	20	385-1005	0		BECHTEL ESTATE,R D	
55-621832	D(05-07)13 A--	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1964	1964	0	1500	20	65-230	0		WUERTZ FARMING LIMITED CO	
55-621832	D(05-07)13 A--	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1964	1964	0	1500	20	600-652, 652-1392, 1392-1400	0		WUERTZ FARMING LIMITED CO	
55-621832	D(05-07)13 A--	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1964	1964	0	1500	20	65-230	0		WUERTZ FARMING LIMITED CO	
55-621844	D(05-07)13 A--	EXEMPT	WATER PRODUCTION / DOMESTIC	00000000	0	0	0	0		0		BECHTEL ESTATE,R D	
55-621832	D(05-07)13 A--	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1964	1964	0	1500	20	600-652, 652-1392, 1392-1400	0		WUERTZ FARMING LIMITED CO	
55-621831	D(05-07)13 B--	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	9/22/1977	1400	0	1392	16	600-700, 700-1400	0		WUERTZ FARMING LIMITED CO	
55-621835	D(05-07)13 BDD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1951	300	0	300	20		0		WUERTZ FARMING LIMITED CO	
55-621809	D(05-07)13 CCD	NON-EXEMPT	ABANDONED /	00000000	0	0	0	0		0		SUNDANCE FARMS INC,	Y
55-639134	D(05-07)14 AA-	EXEMPT	WATER PRODUCTION / DOMESTIC	00000000	0	0	0	0		35		BECHTEL JR,R D	
55-621834	D(05-07)14 ADD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	7/23/1951	466	0	460	20	110-440	0		WUERTZ FARMING LIMITED CO	

55-	Legal Location	Well Type	Well Uses / Water Uses	Installed	TD	WL	Casing Depth	Casing Width	Perf Interval	Pump Rate	Drill Log	Owner	Canc-elled
55-621828	D(05-07)14 DCD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1963	1230	260	470	20	155-480, 480-494, 860-1230	1768		WUERTZ, HOWARD,	
55-638458	D(05-07)23 AAD	EXEMPT	WATER PRODUCTION / DOMESTIC	00000000	438	195	399	8		35		WUERTZ,H	
55-621829	D(05-07)23 AAD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1940	391	143	380	20	50-175	1827		WUERTZ, HOWARD,	
55-621827	D(05-07)23 ACA	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1962	1210	294	412	20		1265		WUERTZ, HOWARD,	
55-612158	D(05-07)23 DAA	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	00000000	312	0	312	20	124-204	600		NAYLOR, NAN,T	
55-612157	D(05-07)23 DBA	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1962	1000	200	1000	20		1000		NAYLOR, NAN,T	
55-612159	D(05-07)23 DDA	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	00000000	1500	200	1500	20		1500		NAYLOR, NAN,T	
55-621804	D(05-07)24 AAA	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1975	1600	305	470	20		1917		SUNDANCE FARMS INC,	
55-621805	D(05-07)24 ABB	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1972	1230	275	460	20		1768		SUNDANCE FARMS INC,	
55-515694	D(05-07)24 ABB	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	11/6/1986	1665	183	1665	12	1220-1665	2200	X	SUNDANCE FARMS,	
55-621823	D(05-07)24 ACD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1938	360	260	285	20	65-190, 200-310	825		SUNDANCE FARMS INC,	

55-	Legal Location	Well Type	Well Uses / Water Uses	Installed	TD	WL	Casing Depth	Casing Width	Perf Interval	Pump Rate	Drill Log	Owner	Canc-elled
55-621808	D(05-07)24 BCD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1946	1525	209	440	20		2000		SUNDANCE FARMS INC,	
55-621824	D(05-07)24 BDC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1947	497	150	400	20	150-470, 1020-1400, 1412-1540	900		SUNDANCE FARMS INC,	
55-621826	D(05-07)24 DCC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1960	1315	349	496	20	1260-1420, 1545-1555	800		SUNDANCE FARMS INC,	
55-621810	D(05-07)24 DDD	NON-EXEMPT	ABANDONED /	00000000	0	0	0	0		0		SUNDANCE FARMS INC,	Y
55-621811	D(05-07)24 DDD	NON-EXEMPT	/ IRRIGATION	00000000	0	0	0	0		0		SUNDANCE FARMS INC,	
55-638615	D(05-07)25 AA-	EXEMPT	WATER PRODUCTION / DOMESTIC	00000000	424	200	400	8	400-424	35		SUNDANCE FARMS INC,	
55-621816	D(05-07)25 AAC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1955	550	240	480	20	480-550	684		SUNDANCE FARMS INC,	
55-621820	D(05-07)25 ACC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1937	478	168	425	20		860		SUNDANCE FARMS INC,	
55-621822	D(05-07)25 ACC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1958	450	173	450	20		1051		SUNDANCE FARMS INC,	
55-621821	D(05-07)25 BDC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1960	1617	320	510	20	220-1460	419		SUNDANCE FARMS INC,	
55-621819	D(05-07)25 CAC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	11/21/1980	2348	293	590	20		943		SUNDANCE FARMS INC,	Y
55-086169	D(05-07)25 CAC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	11/21/1980	2348	292	2348	20		1302		SUNDANCE FARMS INC,	

55-	Legal Location	Well Type	Well Uses / Water Uses	Installed	TD	WL	Casing Depth	Casing Width	Perf Interval	Pump Rate	Drill Log	Owner	Canc-elled
55-621818	D(05-07)25 CAD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1963	590	345	420	20		706		SUNDANCE FARMS INC,	
55-800185	D(05-07)25 CCA	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	00000000	0	300	0	20	100-338	0		MARTIN, MARCUS,D	
55-621825	D(05-07)25 CDA	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1959	1246	300	500	20		1132		SUNDANCE FARMS INC,	
55-621812	D(05-07)25 DDD	NON-EXEMPT	ABANDONED / IRRIGATION	00000000	0	0	0	0		0		SUNDANCE FARMS INC,	Y
55-621817	D(05-07)25 DDD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1956	1250	300	570	20	175-1200	823		SUNDANCE FARMS INC,	
55-800216	D(05-07)26 ABC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	00000000	1300	300	1300	20	1000-1390	0		MARTIN,M	
55-800216	D(05-07)26 ABC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	00000000	1300	300	1300	20	1000-1400	0		MARTIN,M	
55-800216	D(05-07)26 ABC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	00000000	1300	300	1300	20	1000-1400	0		MARTIN,M	
55-800216	D(05-07)26 ABC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	00000000	1300	300	1300	20	1000-1390	0		MARTIN,M	
55-802889	D(05-07)26 ADC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1940	450	140	450	20	70-300	800		MARTIN,M D	
55-800214	D(05-07)26 BAC	NON-EXEMPT	/	00000000	0	300	0	20	60-283	0		MARTIN,M	
55-800215	D(05-07)26 BAC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1957	1300	0	0	20		300		MARTIN,M	

55-	Legal Location	Well Type	Well Uses / Water Uses	Installed	TD	WL	Casing Depth	Casing Width	Perf Interval	Pump Rate	Drill Log	Owner	Canc-elled
55-638516	D(05-07)26 BBB	EXEMPT	WATER PRODUCTION / DOMESTIC	3/15/1977	568	195	400	6		25		GUSTAFSON,D A	
55-622467	D(05-07)26 CDD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1963	1600	250	1600	16	146-590, 1340-1610	1500		SIGNAL PEAK DAIRY,	
55-622468	D(05-07)26 DCD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1955	1200	225	1190	20	60-300, 290-593, 593-600	700		SIGNAL PEAK DAIRY,	
55-622466	D(05-07)26 DCD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1964	1600	225	1600	16	1-290, 270-300, 300-590, 495-1498, 1498-1515	1100		SIGNAL PEAK DAIRY,	
55-612152	D(05-07)27 AAC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1960	400	200	400	20		1200		TOMKINSON,C W	
55-612153	D(05-07)27 AAD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1940	700	200	700	20	120-306	500		TOMKINSON,C W	
55-612154	D(05-07)27 DCB	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1972	1500	200	1300	20		1600		TOMKINSON,C W	
55-612156	D(05-07)27 DCC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1968	1325	200	1325	20		1350		TOMKINSON,C W	
55-612155	D(05-07)27 DCC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1950	360	200	360	20		850		TOMKINSON,C W	
55-608343	D(05-07)28 ABC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	00000000	0	0	0	0		820		MCLEAN FARMS, LLC. ET AL	

55-	Legal Location	Well Type	Well Uses / Water Uses	Installed	TD	WL	Casing Depth	Casing Width	Perf Interval	Pump Rate	Drill Log	Owner	Canc-elled
55-602748	D(05-07)28 BDA	NON-EXEMPT	WATER PRODUCTION / IRRIGATION DOMESTIC	1/1/1969	700	290	668	16	300-660, 668-700	750		CENTRAL AZ COLLEGE,	
55-610741	D(05-07)28 CDC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1948	368	190	368	18	134-358, 358-370	0		WOODRUFF,E M	
55-542067	D(05-07)32 DAA	DOMESTIC STOCK EXEMPT	WATER PRODUCTION / DOMESTIC	1/20/1994	380	240	380	6	340-380	21	X	MITCHELL, LANDIS,L	
55-610744	D(05-07)33 BAD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1930	406	190	406	20	246-396	800		WOODRUFF,E M	
55-527154	D(05-07)33 CAB	DOMESTIC STOCK EXEMPT	WATER PRODUCTION / DOMESTIC	2/20/1990	480	360	480	6	440-480	4	X	DENBROOK, GREG,	
55-610743	D(05-07)33 CBB	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1946	185	0	185	20		0		WOODRUFF,E M	
55-535822	D(05-07)33 CBD	DOMESTIC STOCK EXEMPT	WATER PRODUCTION / DOMESTIC IRRIGATION	11/2/1992	455	300	305	10	285-305	35	X	BOND, PHIL,	
55-528688	D(05-07)33 DAC	DOMESTIC STOCK EXEMPT	WATER PRODUCTION / DOMESTIC IRRIGATION	00000000	0	0	0	0		0		KILBER, HAROLD,	Y
55-544373	D(05-07)33 DBC	DOMESTIC STOCK EXEMPT	WATER PRODUCTION / DOMESTIC	8/15/1994	480	240	480	6	440-480	5	X	ODLE, TERRILL,	
55-609618	D(05-07)33 DDD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	00000000	0	0	0	0		800		SKOUSEN, WILLIAM,J	

55-	Legal Location	Well Type	Well Uses / Water Uses	Installed	TD	WL	Casing Depth	Casing Width	Perf Interval	Pump Rate	Drill Log	Owner	Canc-elled
55-621205	D(05-07)34 ADC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1935	900	200	900	20		1100		DIWAN RANCHES INC,	
55-621206	D(05-07)34 ADC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1950	1205	200	1205	15	1050-1185	1100		DIWAN RANCHES INC,	
55-621204	D(05-07)34 BDC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1974	1020	200	970	16	600-970	1100		DIWAN RANCHES INC,	
55-621207	D(05-07)34 BDD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1929	0	0	0	0		0		DIWAN RANCHES INC,	
55-604182	D(05-07)34 CCD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1963	1295	200	16	20	685-1295, 685-1295	1400		WUERTZ, WAYNE,	
55-604183	D(05-07)34 CDD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1950	320	200	305	20	92-298	500		WUERTZ, WAYNE,	
55-604184	D(05-07)34 DDD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1955	500	200	500	16	92-200, 210-500	400		WUERTZ, WAYNE,	
55-570892	D(05-07)34 DDD	CATHODIC	CATHODIC / NONE	11/17/1998	230	0	0	0		0	X	SOUTHWEST GAS CORP	
55-584059	D(05-07)35 AAA	EXEMPT	WATER PRODUCTION / DOMESTIC	00000000	0	0	0	0		0		DIMODICA	Y
55-583928	D(05-07)35 ACA	EXEMPT	WATER PRODUCTION / DOMESTIC	00000000	0	0	0	0		0		WHITE	Y
55-565799	D(05-07)35 DCC	EXEMPT	WATER PRODUCTION / DOMESTIC	00000000	450	105	450	8		0	X	TWO TOKENS INC	

55-	Legal Location	Well Type	Well Uses / Water Uses	Installed	TD	WL	Casing Depth	Casing Width	Perf Interval	Pump Rate	Drill Log	Owner	Canc-elled
55-609630	D(05-07)35 DCD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1963	1000	310	992	20		1600		CONTINENTAL BK S CRP,	
55-580935	D(05-07)35 DDC	EXEMPT	WATER PRODUCTION / DOMESTIC	5/17/2000	200	60	200	7		0	X	DEGOLIER	
55-621836	D(05-07)36 ACC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	6/12/1974	2376	0	2370	20	1880-2372	0		SAN TAN TILLAGE COMPANY	
55-609633	D(05-07)36 BDD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	00000000	460	400	460	20		600		MESA, CITY OF,	
55-611343	D(05-07)36 C--	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1950	400	0	0	0		750		TRETHAN FARMS LLC,	
55-621838	D(05-07)36 C--	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	00000000	510	0	510	20		0		SAN TAN TILLAGE COMPANY	N
55-621837	D(05-07)36 D--	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	00000000	500	0	500	20		0		SAN TAN TILLAGE COMPANY	
55-604714	D(05-08)08 BCC	EXEMPT	WATER PRODUCTION / DOMESTIC	1/1/1921	250	200	250	6		20		ROBERTSON, P J	
55-631666	D(05-08)08 D--	EXEMPT	WATER PRODUCTION / DOMESTIC STOCK	1/1/1935	0	185	0	6		10		SIMMS,M O	
55-804274	D(05-08)08 D--	EXEMPT	WATER PRODUCTION / DOMESTIC	00000000	265	150	0	18		0		BUTZ, PATRICIA,	
55-621936	D(05-08)17 ABB	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	12/23/1963	1473	152	1378	16		1800		SAN CARLOS IRRIG,	

55-	Legal Location	Well Type	Well Uses / Water Uses	Installed	TD	WL	Casing Depth	Casing Width	Perf Interval	Pump Rate	Drill Log	Owner	Canc-elled
55-621935	D(05-08)17 BBB	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	3/31/1958	820	151	820	20	135-800, 810-820	1200		SAN CARLOS IRRIG,	
55-621924	D(05-08)18 ABC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	00000000	248	148	248	14		800		SAN CARLOS IRRIG,	
55-604715	D(05-08)18 BAA	EXEMPT	WATER PRODUCTION / DOMESTIC	1/1/1958	250	200	250	6		20		ROBERTSON, P J	
55-604716	D(05-08)18 CDD	EXEMPT	WATER PRODUCTION / DOMESTIC	1/1/1940	250	200	250	6		20		ROBERTSON, P J	
55-604491	D(05-08)18 DDB	EXEMPT	WATER PRODUCTION / DOMESTIC	00000000	0	150	0	8		20		MOORE,W	
55-604708	D(05-08)19 ABA	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1963	1200	200	1200	20	250-1190	2000		ROBERTSON, ALICE,G	
55-604710	D(05-08)19 ACC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1936	900	200	900	20		1400		ROBERTSON, ALICE,G	
55-604764	D(05-08)19 BAA	NON-EXEMPT	WATER PRODUCTION / DOMESTIC IRRIGATION	10/13/1974	1110	300	1110	12	1090-1110	600		BLAKEMAN,D	
55-560449	D(05-08)19 BBC	EXEMPT	WATER PRODUCTION / DOMESTIC	1/19/1997	126	60	0	5		15	X	FOWLER	
55-555929	D(05-08)19 BCC	EXEMPT	WATER PRODUCTION / DOMESTIC	5/7/1996	135	50	0	5		10	X	HONEA	
55-510965	D(05-08)19 BCC	DOMESTIC STOCK EXEMPT	WATER PRODUCTION / DOMESTIC	9/28/1985	127	100	127	8		14	X	O BRIEN,J	

55-	Legal Location	Well Type	Well Uses / Water Uses	Installed	TD	WL	Casing Depth	Casing Width	Perf Interval	Pump Rate	Drill Log	Owner	Canc-elled
55-571910	D(05-08)19 BCC	EXEMPT	WATER PRODUCTION / DOMESTIC	12/17/1999	141	50	141	5		15	X	O BRIEN	
55-604709	D(05-08)19 CAA	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1922	200	200	200	18	105-290	1000		ROBERTSON, ALICE,G	
55-628259	D(05-08)19 CAD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION DOMESTIC	00000000	1300	0	0	0	1020-1420	0		LA PAGLIA	
55-628260	D(05-08)19 CCC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	00000000	400	0	0	0	200-400	0		LA PAGLIA,J	
55-511031	D(05-08)19 CCC	DOMESTIC STOCK EXEMPT	WATER PRODUCTION / DOMESTIC	00000000	0	0	0	0		0		KERMAN,J	Y
55-519394	D(05-08)19 CCC	DOMESTIC STOCK EXEMPT	WATER PRODUCTION / DOMESTIC	00000000	0	0	0	0		0		KERMAN, JOHN,	Y
55-628261	D(05-08)19 DCC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	00000000	0	0	0	0	150-400	0		LA PAGLIA,J	
55-575945	D(05-08)19 DCC	EXEMPT	WATER PRODUCTION / DOMESTIC	7/29/1999	350	350	350	6		10	X	LA PAGLIA	
55-604711	D(05-08)19 DDD	EXEMPT	WATER PRODUCTION / DOMESTIC	1/1/1953	300	200	300	6		20		ROBERTSON, . P J	
55-612841	D(05-08)20 ABD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	9/30/1955	1325	0	1320	20	138-880, 885-1306, 1320-1325	1800		HABEEB, RUTH,	
55-612840	D(05-08)20 ACD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	4/28/1955	576	0	332	20	90-290, 254-565, 290-295	1000		HABEEB, RUTH,	

55-	Legal Location	Well Type	Well Uses / Water Uses	Installed	TD	WL	Casing Depth	Casing Width	Perf Interval	Pump Rate	Drill Log	Owner	Canc-elled
55-612843	D(05-08)20 BAC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	5/16/1960	1527	0	1515	20		1500		HABEEB, RUTH,	
55-612842	D(05-08)20 BDA	NON-EXEMPT	WATER PRODUCTION / DOMESTIC	00000000	300	0	300	20		450		HABEEB, RUTH,	
55-590146	D(05-08)29 ---	GEOTECHNICAL	GEOTECHNICAL / NONE	12/20/2001	95	60	0	0		0	X	CITY OF COOLIDGE WWTP	Y
55-591693	D(05-08)29 ACA	PIEZOMETER	PIEZOMETER / TEST	00000000	0	0	0	0		0		CITY OF COOLLIDGE - PUBLI	
55-591694	D(05-08)29 ACA	PIEZOMETER	PIEZOMETER / TEST	00000000	0	0	0	0		0		CITY OF COOLLIDGE - PUBLI	
55-610582	D(05-08)29 BAC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1948	355	200	0	20		250		KINTZ FARMS INC,	
55-800522	D(05-08)29 BBB	EXEMPT	WATER PRODUCTION / DOMESTIC STOCK	1/1/1962	400	260	400	12		35		MARTINEZ,J	
55-610586	D(05-08)29 CAC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1915	106	90	106	24		780		KINTZ FARMS INC,	
55-610587	D(05-08)29 CAD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1976	606	250	600	16	150-600	0		KINTZ FARMS INC,	
55-085544	D(05-08)29 CCD	EXEMPT	WATER PRODUCTION / DOMESTIC	1/1/1980	300	160	300	8		0		DCY LLP	
55-800521	D(05-08)29 DDB	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1972	600	365	600	20		750		MARTINEZ,J	

55-	Legal Location	Well Type	Well Uses / Water Uses	Installed	TD	WL	Casing Depth	Casing Width	Perf Interval	Pump Rate	Drill Log	Owner	Canc-elled
55-622484	D(05-08)30 AA-	EXEMPT	WATER PRODUCTION / DOMESTIC	00000000	0	0	0	0		0		PINAL MAMMOTH GYPSUM,	
55-628263	D(05-08)30 BCD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	00000000	0	0	0	0	135-550, 560-580	0		LA PAGLIA,J	
55-628262	D(05-08)30 CDD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	00000000	0	0	0	0	145-400, 310-790, 795-800	0		LA PAGLIA,J	
55-611663	D(05-08)30 DCC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION INDUSTRIAL	00000000	0	0	0	16		800		RIVER COOPERATIVE GN,	
55-638427	D(05-08)30 DDD	EXEMPT	WATER PRODUCTION / DOMESTIC	00000000	0	0	0	0		0		RIVER COOPERATIVE GN,	
55-622426	D(05-08)31 BAC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1960	500	350	0	12		600		HABEEB, RUTH,L	
55-622433	D(05-08)31 BDD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1927	500	320	0	20	202-340	450		HABEEB, RUTH,L	
55-569211	D(05-08)31 CAA	CATHODIC	CATHODIC / NONE	10/15/1998	385	0	175	8		0	X	EL PASO NATURAL GAS COMPA	
55-625227	D(05-08)31 CBC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1965	500	350	500	12	100-416	600		HABEEB, RUTH,L	
55-625226	D(05-08)31 CCC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1961	500	350	500	20	170-420	1000		HABEEB, RUTH,L	
55-625228	D(05-08)31 CDC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	11/1/1947	500	350	500	20	96-327	900		HABEEB, RUTH,L	

55-	Legal Location	Well Type	Well Uses / Water Uses	Installed	TD	WL	Casing Depth	Casing Width	Perf Interval	Pump Rate	Drill Log	Owner	Canc-elled
55-622431	D(05-08)31 DAA	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1945	500	410	0	12	84-94, 112-128, 148-176, 200-397	400		HABEEB, RUTH,L	
55-622432	D(05-08)31 DCB	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1964	500	400	0	20		600		HABEEB, RUTH,L	
55-622429	D(05-08)31 DCC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1960	650	430	0	20	200-564	700		HABEEB, RUTH,L	
55-622430	D(05-08)31 DDD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1948	650	400	0	12	126-221	450		HABEEB, RUTH,L	
55-621839	D(05-08)32 ADC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	3/1/1951	442	0	442	20	100-430	0		BECHTEL ESTATE,R D	
55-621840	D(05-08)32 BCD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1947	400	0	400	20		0		BECHTEL ESTATE,R D	
55-605702	D(05-08)32 CAD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1964	600	240	600	16		500		COCKRILL BROTHERS	
55-605701	D(05-08)32 CCD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1958	600	240	600	18	174-594	1200		COCKRILL BROTHERS	
55-605700	D(05-08)32 CDA	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1954	550	240	550	18		600		COCKRILL BROTHERS	
55-605699	D(05-08)32 CDD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1925	400	240	400	16	90-295	900		COCKRILL BROTHERS	
55-605703	D(05-08)32 CDD	EXEMPT	WATER PRODUCTION / DOMESTIC	1/1/1951	400	240	400	6	120-380	20		DIXON,R S	

55-	Legal Location	Well Type	Well Uses / Water Uses	Installed	TD	WL	Casing Depth	Casing Width	Perf Interval	Pump Rate	Drill Log	Owner	Canc-elled
55-566938	D(06-07)05 BAA	NON-EXEMPT	WATER PRODUCTION / UTILITY (WATER CO)	00000000	0	0	0	0		0		ARIZONA WATER COMPANY	Y
55-568553	D(06-07)05 BAA	SERVICE	WATER PRODUCTION / MUNICIPAL	11/24/1998	1110	224	1110	19		500	X	ARIZONA WATER COMPANY	
55-610742	D(06-07)05 BAA	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1947	500	190	500	20	70-288	300		AZ WATER COMPANY,	
55-606578	D(06-08)05 B--	NON-EXEMPT	WATER PRODUCTION / IRRIGATION DOMESTIC	3/7/1944	340	180	340	20	100-296	800		MCDANIEL, OWEN,C	
55-612205	D(06-08)05 CDC	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1950	500	200	500	20		400		ANDERSEN, DALE,E	
55-612200	D(06-08)06 ABD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1950	600	220	600	20		300		ANDERSEN, DALE,E	
55-617977	D(06-08)06 ADD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1963	1500	400	1500	16	160-180, 192-1488, 1497-1577, 1941-2181, 2181-2567	400		HANNA,M	
55-638449	D(06-08)06 BBC	EXEMPT	WATER PRODUCTION / DOMESTIC	00000000	310	200	310	8		10		LUELLIG,P	
55-612210	D(06-08)06 CDD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1950	1100	220	1100	20		600		ANDERSEN, DALE,E	
55-612210	D(06-08)06 CDD	NON-EXEMPT	WATER PRODUCTION / IRRIGATION	1/1/1950	1100	220	1100	20	56-375, 365-550, 375-396	600		ANDERSEN, DALE,E	

STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
GROUNDWATER MANAGEMENT SUPPORT SECTION

500 North Third Street, Phoenix, Arizona 85004-3903
Phone (602) 417-2470 Fax (602) 417-2422

RECEIVED
MAR 19 1996
RECORDS

WELL DRILLER REPORT

This report should be prepared by the Driller in all detail and filed with the Department within 30 days following completion of the well.

1. Owner's Name: PATRICIA J. ROBERTSON
   Address: P.O. BOX 68 (Street) COOLIDGE, (City) ARIZ (State) 85228 (Zip)

2. Driller's Name: JOHN HOOVER
   Address: BOX 927 (Street) STANFIELD, (City) ARIZ (State) 85272 (Zip)

3. Location: NE ¼ (10 ACRE) NE ¼ (40 ACRE) SW ¼ (160 ACRE) of Section 12 Township 5.0 S Range 7.0 E

4. Well Registratiin No. 55- 547293 (Required)

5. Permit No. _____ (If issued)

DESCRIPTION OF WELL

6. Total Depth of Hole 1470 ft.
7. Type of Casing BLACK STEEL 0-25' 24" CEMENTED
8. Diameter and length of casing 20 inches from 0' to 960, 16 inches from 900 to 1470
9. Method of sealing at reduction points OVERLAP
10. Perforated from 230 to 850 from 910 to 1450 from _____ to _____
11. Size of cuts 3/16" x 4" Number of cuts per foot 18
12. If screen was installed: Length _____ feet. Diameter _____ inches. Type _____
13. Method of construction DRILLED (drilled, dug, driven, bored, jetted, etc)
14. Date started 2-27-95 (Month / Day / Year)
15. Date Completed 2 (Month) 28 (Day) 96 (Year)
16. Depth to water 220 ft. (If flowing well, so state)
17. Describe point from which depth measurements were made, and give sea-level elevation if available TOP OF CASING. 2' ABOVE GROUND LEVEL — 1750' ELEV.
18. If flowing well, state method of flow regulation:
19. Remarks: _____

DO NOT WRITE IN THIS SPACE
OFFICE RECORD
Registration No. _____
File No. D(5-7)12 CAA
Received _____ By _____
Entered ENTERED MAR 25 1996 By _____

DWR-55-55 (Rev 10/95)

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

From (feet)	To (feet)	Description of Formation Material
0	15	CALICHE
15	35	SAND
35	45	CLAY
45	135	GRAVEL
135	250	SANDY CLAY
250	585	HARD STICKY CLAY
585	780	GRAVEL EMBEDDED CLAY
780	965	CONGLOMERATE (HARD)
965	1300	VERY HARD CONGLOMERATE (MORE ROCK)
1300	1470	DECOMPOSED GRANITE

I hereby certify that this well was drilled by me(or under my supervison), and that each and all statements herein contained are true to the best of my knowledge and belief.

Driller Name: JOHN HOOVER

BOX 927
Street

STANFIELD ARIZ 85272
City State Zip

(520) 424-3739 3-16-96
Phone Number Date

DWR-55-55 (Rev 10/95)

ARIZONA DEPARTMENT OF WATER RESOURCES

500 North Third Street
Phoenix, Arizona 85004

WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

RECEIVED
MAY 23 2001
RECORDS MGT

1. JOHN HOOVER WELL SERVICE & REPAIR
P.O. BOX 927
STANFIELD, AZ 85272

2. Owner Name: Jeffrey A. Martinez
Address: 21425 S. Cooper Chandler, Az. 85249
City State Zip

3. Location: 5 N/S 7 E/W SE ¼ NW ¼ SW ¼ ____
Township Range Section 10-acre 40-acre 160-acre

4. Well Registration No. 55- 573659 (Required)

5. Permit No. T573659 (If issued)

DESCRIPTION OF WELL

6. Total depth of hole 750 ft.
7. Type of casing Carbon steel
8. Diameter and length of casing 12 in. from 0 to 540, 10 in from 515 to 750
9. Method of sealing at reduction points overlap
10. Perforated from 320 to 520, from 535 to 730 from ____ to ____
11. Size of cuts 3/16" x 2½" Number of cuts per foot 12 rows
12. If screen was installed: Length ____ ft. Diam ____ in. Type ____
13. Method of construction Drilled (cable tool)
(drilled, dug, driven, bored, jetted, etc)
14. Date started 2 Oct 99
Month Day Year
15. Date completed 7 Feb 2000
Month Day Year
16. Depth to water 120 ft. (If flowing well, so state)
17. Describe point from which depth measurements were made, and give sea-level elevation if available
Ground level Appx 1350'
18. If flowing well, state method of flow regulation: ____
19. Remarks: ____

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Registration No. 55-573659
File No. D (5-7) 12 CBD
Received ____ By ____
Entered ____ By ____

DWR-55-55-7/95 (Rev.)

ENTERED MAY 2 3 2001

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material
0	5	Soil
5	40	Clay & rock
40	150	Boulders, gravel, sand (1st aquifer at 80-90 Ft.
150	325	Small gravel embedded clay.
325	540	Coarse gravel loosely cemented with clay
540	560	Clay
560	575	Large gravel, small amt clay (2nd aquifer)
575	740	Moderate size gravel embedded clay
740	750	Firm conglomerate

I hereby certify that this well was drilled by me (or under my supervision), and that each and all statements herein contained are true to the best of my knowledge and belief.

Driller Name: John Hoover

P.o. Box 927
Street

Stanfield, Az. 85272 (520) 424-3739
City State Zip Phone No.

John Hoover 2-25-00
Signature of Driller Date

STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
99 EAST VIRGINIA AVENUE
PHOENIX, ARIZONA 85004

WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

NOV 1986 DEPARTMENT OF WATER RESOURCES

1. Owner Sundance Farms
Name
Rt. I, Box I15-A Coolidge, Ariz. 85228
Mailing Address

2. Driller Dale Blakeman
Name
Rt. I, Box I8I-M Coolidge, Ariz. 85228
Mailing Address

3. Location of well: Twp 5s Rge 7e Sec 24, NW¼ NW¼ NE¼

4. Permit No. (if issued) Replacement-Deepening

DESCRIPTION OF WELL

5. Total depth of hole I665 ft.

6. Type of casing I2" plate pipe

7. Diameter and length of casing I2 in. from I220 to I665, _____ in from _____ to _____.

8. Method of sealing at reduction points _____

9. Perforated from I220 to I655, from _____ to _____, from _____ to _____.

10. Size of cuts 3X3/8" Number of cuts per foot 6

11. If screen was installed: Length _____ ft. Diam _____ in. Type _____

12. Method of construction Drilled
drilled, dug, driven, bored, jetted, etc.

13. Date started I0-6-86
Month Day Year

14. Date completed II-6-86
Month Day Year

15. Depth to water I63' ft. (If flowing well, so state.)

16. Describe point from which depth measurements were made, and give sea-level elevation if available top of ground

17. If flowing well, state method of flow regulation: _____

18. Remarks: Deeping job

DO NOT WRITE IN THIS SPACE
OFFICE RECORD
Registration No. 55-515694
Received _____ By _____
Entered _____ By _____
File No. D(5-7)24 abb

DWR-55-6-Rev. 8/85

ENTERED NOV 26 1986

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material
I220	I235	cement
I235	I390	lightly cemented sand, gravel & clay
I390	I665	cement

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the statements herein contained are true to the best of my knowledge and belief.

Driller Dale Bakeman
Name

Rt.I, Box I8I-M
Address

Coolidge, Ariz. 85228
City State Zip

Date 11-16-86

ARIZONA DEPARTMENT OF WATER RESOURCES

DEPARTMENT OF WR

15 South 15th Avenue
Phoenix, Arizona 85007

FEB 2 3 1994

WELL DRILLER REPORT

OPERATIONS DIV.

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

1. Owner Name: LANDIS Mitchell
   Address: 7155 E. Thomas Rd Scottsdale, Az 85251
   Street City State Zip
2. Driller Name: J. T. DUNGAN DRILLING Co
   Address: 1004 Cedar Ave MIAMI, Az 85539
   Street City State Zip
3. Location: 5 ~~N~~/S | 7 E/~~W~~ | 32 | NE 1/4 | NE 1/4 | SE 1/4
   Township | Range | Section | 10-acre | 40-acre | 160-acre
4. Well Registration No. 55- 542067 (Required)
5. Permit No. _____ (If issued)

DESCRIPTION OF WELL

6. Total depth of hole 380 ft.
7. Type of casing Steel & PVC
8. Diameter and length of casing 6 5/8 in. from -1 to 20, 4 1/2 PVC in from 0 to 38.
9. Method of sealing at reduction points surface Seal
10. Perforated from 340 to 380, from _____ to _____, from _____ to _____.
11. Size of cuts 1/8 x 6 Number of cuts per foot 4
12. If screen was installed: Length N/A ft. Diam _____ in. Type _____
13. Method of construction Drilled
    (drilled, dug, driven, bored, jetted, etc)
14. Date started JAN 12 1994
    Month Day Year
15. Date completed JAN 20 1994
    Month Day Year
16. Depth to water 240 ft. (If flowing well, so state)
17. Describe point from which depth measurements were made, and give sea-level elevation if available
    ground level @ site
18. If flowing well, state method of flow regulation: N/A
19. Remarks: None

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Re 55-542067
Fil D(5-7)32DAA
Re
En ENTERED FEB 2 4 1994

DWR-55-55-7/91 (Rev.)

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encounterd, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material
0	160	mud
160	320	de composed granite
320	380	granite
		WATER @ 340 ROSE TO 240

I hereby certify that this well was drilled by me (or under my supervision), and that each and all statements herein contained are true to the best of my knowledge and belief.

Driller Name: Mickey Dungan

J. T. DUNGAN DRILLING CO.

Street MICKEY DUNGAN

508 N. 104th PLACE

City APACHE JCT., State ARIZ. Zip 85220

Date 2-20-94

STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
15 South 15th Avenue
Phoenix, Arizona 85007

WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

1. Owner Greg + MARIE DENBROOK
Name
7252 W. Olberg Rd. Queen Creek, Az 85242
Mailing Address

2. Driller J.T. DUNGAN Drilling Co
Name
MIAMI, Az
Mailing Address

3. Location of well: 5 S 7E 33 NW NE SW

4. Permit No. _____
(If issued)

DESCRIPTION OF WELL

5. Total depth of hole 480 ft.

6. Type of casing Steel + PVC

7. Diameter and length of casing 6 5/8 in. from -2 to 20, 4 1/2 PVC in from 0 to 480.

8. Method of sealing at reduction points Surface Seal

9. Perforated from 440 to 480, from ____ to ____, from ____ to ____.

10. Size of cuts 1/8 x 6 Number of cuts per foot 4

11. If screen was installed: Length N/A ft. Diam ____ in. Type ____

12. Method of construction Drilled
drilled, dug, driven, bored, jetted, etc

13. Date started 2 16 90
Month Day Year

14. Date completed 2 20 90
Month Day Year

15. Depth to water 360 ft. (If flowing well, so state)

16. Describe point from which depth measurements were made, and give sea-level elevation if available Ground level @ site

17. If flowing well, state method of flow regulation: N/A

18. Remarks: None

DO
REG. No 55-527154
D(5-7)33cab
File No ____
Entered ____ By ____
ENTERED MAR 27 1990

RECEIVED
MAR 22 1990
OPERATIONS DIV.

DWR-55-55-2/89

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material
0	5	Top
5	360	Rock
360	480	conglomerate
		Water @ 360
		WATER @ 420

I hereby certify that this well was drilled by me (or under my supervision), and ~~that~~ each and all statements herein contained are true to the best of my knowledge and belief.

Driller Mickey Dungan

J. T. DUNGAN DRILLING CO.
MICKEY DUNGAN
Address 508 N. 104th PLACE
APACHE JCT., ARIZ. 85220

City State Zip

Date 3-19-90

ARIZONA DEPARTMENT OF WATER RESOURCES
15 South 15th Avenue
Phoenix, Arizona 85007

WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

1. Owner Name: Phil + Julie Bond
   Address: 6855 N. Overfield Rd. CASA GRANDE, AZ 85222
   Street City State Zip
2. Driller Name: Cissell Drilling
   Address: P.O. Box 11048 CASA GRANDE, AZ 85222
   Street City State Zip
3. Location: 5.5 S (Township) 7.E E (Range) 33 (Section) SE 1/4 (10-acre) NW 1/4 (40-acre) SW 1/4 (160-acre)
4. Well Registration No. 55- 535822 (Required)
5. Permit No. _____ (If issued)

NOV 18 1992
OPERATIONS DIV.

DESCRIPTION OF WELL

6. Total depth of hole 455' ft.
7. Type of casing Steel
8. Diameter and length of casing 10" in. from 0 to 26', 6" in from 0 to 305.
9. Method of sealing at reduction points Cemented
10. Perforated from 295 to 305, from _____ to _____, from _____ to _____.
11. Size of cuts 1/8 x 2 1/2" Number of cuts per foot Twelve
12. If screen was installed: Length _____ ft. Diam _____ in. Type _____
13. Method of construction drilled
    (drilled, dug, driven, bored, jetted, etc)
14. Date started October (Month) 20 (Day) 92 (Year)
15. Date completed Nov. (Month) 2 (Day) 92 (Year)
16. Depth to water 300' FT. ft. (If flowing well, so state)
17. Describe point from which depth measurements were made, and give sea-level elevation if available
    _____
18. If flowing well, state method of flow regulation: _____
19. Remarks: Set 305' FT 6" inch casing From 305' FT. To 455' FT open hole

55-535822
D(5-7)33 cbd
Received
Entered ENTERED NOV 18 1992 By

DWR-55-55-7/91 (Rev.)

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encounterd, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material
0	8	Top Soil Cletche
8	86	SAND AND GRAVEL SMALL GRAVEL
86	158	SAND AND GRAVEL AND Boulders + Clay STREAKS
158	455	GRAY GRANITE FRACTURED (HARD)
		TOTAL DEPTH 455' FT.

I hereby certify that this well was drilled by me (or under my supervision), and that each and all statements herein contained are true to the best of my knowledge and belief.

Driller Name: Thomas R. Cissell

1441 N-KADOTA
Street

CASA GRANDE AZ, 85222
City State Zip

Date 11-14-92

ARIZONA DEPARTMENT OF WATER RESOURCES
15 South 15th Avenue
Phoenix, Arizona 85007

DEPARTMENT OF WR
SEP 14 1994
OPERATIONS DIV.

WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

1. Owner Name: Terrill ODLE
   Address: P.O. Box 216 (Street) Queen Creek (City) Az (State) 85242 (Zip)
2. Driller Name: J.T. DUNGAN Drilling Co
   Address: 1004 Cedar Ave (Street) MIAMI (City) Az (State) 85539 (Zip)
3. Location: 3 (Township) ~~N~~/S 7 (Range) E/~~W~~ 33 (Section) SW 1/4 (10-acre) NW 1/4 (40-acre) SE 1/4 (160-acre)
4. Well Registration No. 55-544373 (Required)
5. Permit No. _____ (If issued)

DESCRIPTION OF WELL

6. Total depth of hole 480' ft.
7. Type of casing Steel + PVC
8. Diameter and length of casing 6 5/8 in. from -2 to 20, 4 1/2 PVC in from 0 to 480.
9. Method of sealing at reduction points surface seal
10. Perforated from 440 to 480, from _____ to _____, from _____ to _____.
11. Size of cuts 1/8 X 6 Number of cuts per foot 4
12. If screen was installed: Length N/A ft. Diam _____ in. Type _____
13. Method of construction Drilled
    (drilled, dug, driven, bored, jetted, etc)
14. Date started 7 (Month) 22 (Day) 94 (Year)
15. Date completed 8 (Month) 15 (Day) 94 (Year)
16. Depth to water 240' ft. (If flowing well, so state)
17. Describe point from which depth measurements were made, and give sea-level elevation if available
    ground level @ site
18. If flowing well, state method of flow regulation: N/A
19. Remarks: NONE

DO NOT WRITE IN THIS SPACE
OFFICE RECORD
Regis 55-544373
File N D(5-7)33DBC
Recei
Enter ENTERED OCT 24 1994

DWR-55-55-7/91 (Rev.)

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encounterd, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material
0	20	creek fill
20	140	decomposed granite
140	480	granite
		Water @ 240'
		Rose To 160'.

I hereby certify that this well was drilled by me (or under my supervision), and that each and all statements herein contained are true to the best of my knowledge and belief.

Driller Name: [signature]

1004 Cedar Ave
Street

Miami, Az 85539
City State Zip

Date 9-12-94

ARIZONA DEPARTMENT OF WATER RESOURCES
500 North Third Street
Phoenix, Arizona 85004

WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

RECEIVED DEC - 8 1998 RECORDS MGT

1. THE LOFTIS COMPANY
P.O. BOX 7847
MIDLAND, TX 79708-7847

2. Owner Name: Southwest Gas Corporation
Address: 201 W. 4th Street Casa Grande, AZ 85222
City State Zip

3. Location: 5 ~~N~~/S 7 E/~~W~~X 34 ¼ SE ¼ SE ¼ SE
Township Range Section 10-acre 40-acre 160-acre

4. Well Registration No. 55--570892 (Required) (CP Unit #441)

5. Permit No. _____ (If issued)

DESCRIPTION OF WELL

6. Total depth of hole 230 ft.
7. Type of casing None. 20' Cement Plug
8. Diameter and length of casing N/A in. from ____ to ____, ____ in from ____ to ____
9. Method of sealing at reduction points N/A
10. Perforated from N/A to ____, from ____ to ____ from ____ to ____
11. Size of cuts N/A Number of cuts per foot N/A
12. If screen was installed: Length N/A ft. Diam N/A in. Type N/a
13. Method of construction Drilled
(drilled, dug, driven, bored, jetted, etc)
14. Date started 11 16 98
Month Day Year
15. Date completed 11 17 98
Month Day Year
16. Depth to water Not Verified ft. (If flowing well, so state)
17. Describe point from which depth measurements were made, and give sea-level elevation if available
Surface
18. If flowing well, state method of flow regulation: N/A
19. Remarks: None.

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Registration No. 55-570892
File No. D(5-7) 34 DDD
Received ____ By ____
Entered ____ By ____

DWR-55-55-7/95 (Rev.) M1501

ANSWERED DEC 15 1998

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material
0	65	Small Gravel & Sand
65	145	Brown Clay & Gravel
145	230	Brown Clay, Sand & Gravel

I hereby certify that this well was drilled by me(or under my supervision), and that each and all statements herein contained are true to the best of my knowledge and belief.

Driller Name: THE LOFTIS COMPANY

P.O. BOX 7847
Street

MIDLAND, TX 79708-7847 915-682-8343
City State Zip Phone No.

12/01/98
Signature of Driller Date

RECEIVED DEC - 9

ARIZONA DEPARTMENT OF WATER RESOURCES
500 North Third Street
Phoenix, Arizona 85004
WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

1. RAINBOW DRILLING
8005 W. PATRICK LANE
PEORIA, AZ 85308-1607

2. Owner Name: Two tokens Inc.
Address: 2551 S Revolta Mesa AZ 85208
City State Zip

3. Location: 5 N/(S) 7 (E)/W 35 ¼ SW ¼ SW ¼ SE
Township Range Section 10-acre 40-acre 160-acre

4. Well Registration No. 55- 565799 (Required)
5. Permit No. _____ (If issued)

DESCRIPTION OF WELL

6. Total depth of hole 450 ft.
7. Type of casing PVC / steel
8. Diameter and length of casing 8 in. from 0 to 20, 5 in from 0 to 450
9. Method of sealing at reduction points NA
10. Perforated from 320 to 400, from _____ to _____ from _____ to _____
11. Size of cuts 4" Number of cuts per foot _____
12. If screen was installed: Length NA ft. Diam _____ in. Type _____
13. Method of construction air rotary drilled
(drilled, dug, driven, bored, jetted, etc)
14. Date started 1 6 98
Month Day Year
15. Date completed 1 9 98
Month Day Year
16. Depth to water 105 ft. (If flowing well, so state)
17. Describe point from which depth measurements were made, and give sea-level elevation if available
top of casing
18. If flowing well, state method of flow regulation: 0

19. Remarks: _____

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Registration No. 55-565799
File No. D(5-7) 35 DCC
Received _____ By _____
Entered _____ By _____
ENTERED JAN 2 6 1998

DWR-55-55-7/95 (Rev.)

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material
0	60	sand + gravel
60	450	sand + Clay

I hereby certify that this well was drilled by me(or under my supervision), and that each and all statements herein contained are true to the best of my knowledge and belief.

Driller Name: RAINBOW DRILLING

8005 W. PATRICK LANE
Street

PEORIA, AZ 85308-1607
City State Zip Phone No.

Signature of Driller Date

ARIZONA DEPARTMENT OF WATER RESOURCES
500 North 3rd Street
Phoenix, Arizona 85004

WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

RECEIVED JUL - 7 2000 RECORDS MGT

1. WESTERN DRILLING COMPANY, L.L.C.
P.O. BOX 8
LAVEEN, AZ 85339-0008

2. Owner Name: James Degolion
Address: 457 S. Dodge Gilbert, AZ 85233
City State Zip

3. Location: 5 N/S 7 E/W 35 ¼ SW ¼ SE ¼ SE
Township Range Section 10-acre 40-acre 160-acre

4. Well Registration No. 55-580935 (Required)

5. Permit No. _____ (If Issued)

DESCRIPTION OF WELL

6. Total depth of hole 200 ft.
7. Type of casing Steel
8. Diameter and length of casing 8 in. from -1 to 19, 6 5/8 in from 0 to 200
9. Method of sealing at reduction points Plate
10. Perforated from 160 to 200, from _____ to _____ from _____ to _____
11. Size of cuts Factory Number of cuts per foot _____
12. If screen was installed: Length _____ ft. Diam _____ in. Type _____
13. Method of construction drilled
(drilled, dug, driven, bored, jetted, etc)
14. Date started 5 14 00
Month Day Year
15. Date completed 5 17 00
Month Day Year
16. Depth to water 60' ft. (If flowing well, so state)
17. Describe point from which depth measurements were made, and give sea_level elevation if availabl
Surface
18. If flowing well, state method of flow regulation: _____
19. Remarks: _____
ANSWERED JUL 18 2000

DO NOT WRITE IN THIS SPACE
OFFICE RECORD
Registration No. 55- 580935
File No. D(5-7) 35 DDC
Received _____ By _____
Entered _____ By _____

DWR-55-55-7/95 (Rev.)

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material
0	5	TOPSOIL
5	75	GRAVEL, SAND, CLAY
75	200	SAND, GRAVEL H_2O @ 80' 50+ GPM

I hereby certify that this well was drilled by me (or under by supervision), and that each and all statements herein contained are true to the best of my knowledge and belief.

Driller Name: WESTERN DRILLING COMPANY, L.L.C.

P.O. BOX 8
Street

LAVEEN, AZ 85339-0008
City State Zip Phone No.

Signature of Driller 6-20-00
Date

ARIZONA DEPARTMENT OF WATER RESOURCES
500 North Third Street
Phoenix, Arizona 85004

RECEIVED
JAN 28 1997
RECORDS MGT

WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

1. BOTA COMPANY
PO BOX 687
FLORENCE AZ 85232

2. Owner Name: DORA & DENIS O'BRIEN
Address: ? COOLIDGE AZ 85222
City State Zip

3. Location: ~~S~~ 5 N/S 8 E/W 19 ¼ SW ¼ NW ¼ NW
Township Range Section 10-acre 40-acre 160-acre

4. Well Registration No. 55- 560449 (Required)
5. Permit No. _____ (If issued)

DESCRIPTION OF WELL

6. Total depth of hole 126 ft.
7. Type of casing STEEL
8. Diameter and length of casing 5 in. from ~~0 to 126~~ in from _____ to _____
9. Method of sealing at reduction points _____
10. Perforated from 86 to 126, from _____ to _____ from _____ to _____
11. Size of cuts ⅛ x 6 Number of cuts per foot 2
12. If screen was installed: Length _____ ft. Diam _____ in. Type _____
13. Method of construction DRILLED
(drilled, dug, driven, bored, jetted, etc)
14. Date started JAN 6 97
Month Day Year
15. Date completed JAN 19 97
Month Day Year
16. Depth to water 60' ft. (If flowing well, so state)
17. Describe point from which depth measurements were made, and give sea-level elevation if available
SURFACE
18. If flowing well, state method of flow regulation: _____

19. Remarks: _____

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Registration No. 55-560449
File No. D(5-8)19 BBC
Received _____ By _____
Entered _____ By _____
ENTERED JAN 29 1997

DWR-55-55-7/95 (Rev.)

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material
0	40	clay
40	130	sand + cobbles
130	140	clay

I hereby certify that this well was drilled by me(or under my supervision), and that each and all statements herein contained are true to the best of my knowledge and belief.

Driller Name: BOTA CO.

BOX 687
Street

FLORENCE, AZ. 85232 868-5289
City State Zip Phone No.

[signature] 240AM97
Signature of Driller Date

STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
GROUNDWATER MANAGMENT SUPPORT SECTION

500 North Third Street - Phoenix, Arizona 85004-3903
Phone (602) 417-2470 Fax (602) 417-2422

RECEIVED
MAY 10 1996
RECORDS MGT

WELL DRILLER REPORT

This report should be prepared by the Driller in all detail and filed with the Department within 30 days following completion of the well.

1. Owner's Name: DAVE O'BRIEN

   Address: MACRAE RD (Street) COOLIDGE (City) AZ (State) 85222 (Zip) 723-9573 (Telephone Number)

2. Drilling Firm: BOTA CO.

   Address: P.O. BOX 687 (Street) FLORENCE, AZ (City) 85232 (State) (Zip) (Telephone Number)

3. Location: SW ¼ (10 Acre) SW ¼ (40 Acre) NW ¼ (160 Acre) of Section 19 Township 5S Range 8E

4. Well Registration No. 55- 555 929 (Required)

5. Permit No. _____ (If issued)

DESCRIPTION OF WELL

6. Total Depth of Hole 135 ft.
7. Type of Casing STEEL
8. Diameter and length of casing 5 inches from ____ to ____, ____ inches from ____ to ____
9. Method of sealing at reduction points ____
10. Perforated from 86 to 126 from ____ to ____ from ____ to ____
11. Size of cuts 1/8 x 6 Number of cuts per foot 2
12. If screen was installed: Length ____ feet. Diameter ____ inches. Type ____
13. Method of construction DRILLED (drilled, dug, driven, bored, jetted, etc.)
14. Date started MAY (Month) 1 (Day) 96 (Year)
15. Date completed MAY (Month) 7 (Day) 96 (Year)
16. Depth to water 50 ft. (If flowing well, so state).
17. Describe point from which depth measurements were made, and give sea-level elevation if available SURFACE
18. If flowing well, state method of flow regulation:
19. Remarks: ____

DO NOT WRITE IN THIS SPACE
OFFICE RECORD
Registration No. 55-555929
File No. D(5-8)19bcc
Received ____ By ____
Entered ENTERED MAY 21 1996 By ____

DWR-55-55 (Rev 2/96)

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

From (feet)	To (feet)	
0	30'	Clay
30'	40'	Clay Rock mix
40'	84'	Clay & Rock
84'	125'	Rock sand, gravel some clay mix
125	135	Clay

I hereby certify that this well was drilled by me (or under my supervision), and that each and all statements herein contained are true to the best of my knowledge and belief.

Driller's Name (Qualifying Party): [illegible]

PO Box 687
Street

Florence Az. 85232
City State Zip

Phone Number

7 May 96
Date

DWR 55-55 (Rev 2/96)

STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
99 EAST VIRGINIA AVENUE
PHOENIX, ARIZONA 85004

STATE OF ARIZONA

NOV 1985
DEPARTMENT OF WATER RESOURCES

DEPARTMENT OF WATER RESOURCES

WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

1. Owner JOHN & DONNA O'BRIEN
Name
PO BOX 1927 COOLIDGE AZ 85228
Address

2. Lessee or Operator SAA
Name
Address

3. Driller SAA
Name
Address

4. Location of well: SEC 19 T5S R8E SW1/4 SW1/2 NW1/4

5. Permit No. 55-510965
(if issued)

DESCRIPTION OF WELL

6. Total depth of hole 127 ft.
7. Type of Casing STEEL .188
8. Diameter and length of casing 8 in. from 0 to 127, _____ in from _____ to _____.
9. Method of sealing at reduction points _____
10. Perforated from 117 to 127, from _____ to _____, from _____ to _____
11. Size of cuts 1/4" X 3" Number of cuts per foot 5
12. If screen was installed: Length _____ ft. Diam _____ in. Type _____
13. Method of construction DRILLED
drilled, dug, driven, bored, jetted, etc.
14. Date started SEPT (Month) 9 (day) 1985 (year)
15. Date completed SEPT (Month) 28 (day) 1985 (year)
16. Depth to water 100 ft. (If flowing well, so state.)
17. Describe point from which depth measurements were made, and give sea-level elevation if available. TOP OF CASING TO BOTTOM WITH DROP LINE
18. If flowing well, state method of flow regulation _____
19. REMARKS: _____

DO NOT WRITE IN THIS SPACE
OFFICE RECORD
Registration No. 55-510965
Received _____ By _____
Entered 11-14-85 By SV.
File No. D(5-8)19 bcc

(Well log to appear on Reverse side)

DWR-55-6-5/83

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material
0	15	TOP SOIL
15	35	SAND & ROCK
35	39	GILA CONGLOMERATE
39	58	ROCKS
58	63	GRAVEL & SAND
63	67	CLAY
67	78	ROCK
78	80	CLAY
80	109	GRAVEL & SAND & WATER
109	115	CLAY
115	127	SAND & GRAVEL & MAGNETITE

I hereby certify that this well was drilled by me (or under my supervison), and that each and all of the statements herein contained are true to the best of my knowledge and belief.

Driller John Todd O'Brien
Name

PO BOX 1927
Address

COOLIDGE AZ 85228
City State Zip

Date 11-10-85

ARIZONA DEPARTMENT OF WATER RESOURCES
500 North Third Street
Phoenix, Arizona 85004
WELL DRILLER REPORT

RECEIVED
DEC 20 1999
RECORDS MGT

This report should be prepared by the driller in all detail and filed with the Department within 10 days following completion of the well.

1. BOTA COMPANY
P.O. BOX 687
FLORENCE, AZ 85232-0687

2. Owner Name: DENNIS & DORA O'BRIEN
Address: 11159 N. MACRAE RD COOLIDGE, AZ. 85228
City State Zip

3. Location: 5 N/S 8 E/W 19 ¼ SW ¼ SW ¼ NW
Township Range Section 10-acre 40-acre 160-acre

4. Well Registration No. 55- 571910 (Required)
5. Permit No. _____ (If issued)

DESCRIPTION OF WELL

6. Total depth of hole 141 ft.
7. Type of casing STEEL
8. Diameter and length of casing 5 in. from 0 to 141, ____ in from ____ to ____
9. Method of sealing at reduction points ____
10. Perforated from 94' to 136, from ____ to ____ from ____ to ____
11. Size of cuts 1/8 x 6 Number of cuts per foot 2 (18') & 1 (20')
12. If screen was installed: Length ____ ft. Diam ____ in. Type ____
13. Method of construction DRILLED
(drilled, dug, driven, bored, jetted, etc)
14. Date started DEC 13 1999
Month Day Year
15. Date completed DEC 17 1999
Month Day Year
16. Depth to water 50' ft. (If flowing well, so state)
17. Describe point from which depth measurements were made, and give sea-level elevation if available
SURFACE
18. If flowing well, state method of flow regulation: ____

19. Remarks: ____

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Registration No. 55-571910
File No. D(5-8) 19 BCC
Received ____ By ____
Entered ____ By ____
ANSWERED DEC 21 1999

DWR-55-55-7/95 (Rev.)

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material
0	49	CLAY
49	80	SAND & GRAVEL
80	95	CLAY
95	145	SAND & GRAVEL

I hereby certify that this well was drilled by me(or under my supervision), and that each and all statements herein contained are true to the best of my knowledge and belief.

Driller Name: BOTA COMPANY

P.O. BOX 687
Street

FLORENCE, AZ 85232-0687

City State Zip Phone No.

17 DEC 99

Signature of Driller Date

ARIZONA DEPARTMENT OF WATER RESOURCES
500 North Third Street
Phoenix, Arizona 85004
WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

RECEIVED
AUG - 9 1999
RECORDS MGT

1. ARIZONA BEEMAN DRILLING L.L.C.
P.O. BOX 3370
APACHE JUNCTION, AZ 85217-3370

2. Owner Name: Jesus LaPaglia
Address: 22651 S. Gilbert Rd, Chandler AZ 85249
City State Zip

3. Location: 5 S N/S 8 E E/W 19 ¼ SW ¼ SW ¼ SE
Township Range Section 10-acre 40-acre 160-acre

4. Well Registration No. 55- 575945 (Required)
5. Permit No. _____ (If issued)

DESCRIPTION OF WELL

6. Total depth of hole 350 ft.
7. Type of casing Steel
8. Diameter and length of casing 10 in. from 0 to 20, 6" in from 0 to 350
9. Method of sealing at reduction points Neat Cement (No Reductions)
10. Perforated from 280 to 320, from _____ to _____ from _____ to _____
11. Size of cuts 6 Rolls 1/8 slot Number of cuts per foot 12 slot per ft
12. If screen was installed: Length 40 ft. Diam 6" in. Type Steel
13. Method of construction Mud Rotary Drilled
(drilled, dug, driven, bored, jetted, etc)
14. Date started July 23 1999
Month Day Year
15. Date completed July 29 1999
Month Day Year
16. Depth to water 350 ft. (If flowing well, so state)
17. Describe point from which depth measurements were made, and give sea-level elevation if available
Ground Level
18. If flowing well, state method of flow regulation: _____
19. Remarks: Approx 500 GPm
Sealed off Water above 280'
Gravel Caving 0-180

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Registration No. 55-575945
File No. D(5-8) 19 DCC
Received _____ By _____
Entered _____ By _____

DWR-55-55-7/95 (Rev.)

ANSWERED SEP 7 1999

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material
0	20'	CLAYEY SAND
20'	50'	CLAY w/ Silt
50'	90'	SAND w/ Some gravel
90'	95'	CLAY
	60'	WATER encountered
	95'	bottom of boring

I hereby certify that this well was drilled by me (or under by supervision), and that each and all statements herein contained are true to the best of my knowledge and belief.

Driller Name: GEOMECHANICS SOUTHWEST, INC.

7400 S. NOGALES HWY, #4
Street

TUCSON, AZ 85706-9642 602-252-0559
City State Zip Phone No.

Sandra Monroe for John Porcell 1-4-02
Signature of Driller Date

ARIZONA DEPARTMENT OF WATER RESOURCES
500 North Third Street
Phoenix, Arizona 85004

WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

RECEIVED JAN - 4 1999 RECORDS MGT

1. ZIM INDUSTRIES INC.
4545 E. LINCOLN AVENUE
FRESNO, CA 93725-9764

2. Owner Name: Arizona Water Company
Address: Phoenix (City) Az (State) 85038-9006 (Zip) P.O Box 29006

3. Location: 6 N(S) 7 E/W 5 ¼ NE ¼ NE ¼ NW
Township Range Section 10-acre 40-acre 160-acre

4. Well Registration No. 55- 568553 (Required)

5. Permit No. S - 568553 (If issued)

DESCRIPTION OF WELL

6. Total depth of hole 1110 ft.
7. Type of casing Copper Bearing (Roscoe Moss)
8. Diameter and length of casing 18 5/8 in. from 0 to 1110, in from to
9. Method of sealing at reduction points
10. Perforated from 550 to 670, from 716 to 790 from 830 to 1090
11. Size of cuts .070 Slot Number of cuts per foot 14 Rows
12. If screen was installed: Length 460 ft. Diam 18 5/8 in. Type Ful Flo
13. Method of construction Reverse Rotary drilled
(drilled, dug, driven, bored, jetted, etc)
14. Date started August (Month) 4 (Day) 1998 (Year)
15. Date completed November (Month) 24 (Day) 1998 (Year)
16. Depth to water 224 ft. (If flowing well, so state)
17. Describe point from which depth measurements were made, and give sea-level elevation if available
Ground level
18. If flowing well, state method of flow regulation:
19. Remarks: Casing is .312 wall

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Registration No. 55-568553
File No. D (6-7) 5 BAA
Received By
Entered By

DWR-55-55-7/95 (Rev.)

ANSWERED JAN 4 1999

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material

I hereby certify that this well was drilled by me (or under my supervision), and that each and all statements herein contained are true to the best of my knowledge and belief.

Driller Name: Zim Industries Inc.

4545 E. Lincoln Ave.
Street

Fresno CA 93725 559-834-1551
City State Zip Phone No.

X Albert J Zimmerer 12/30/98
Signature of Driller Date

ZIM INDUSTRIES, INC.
4545 E. Lincoln • Fresno, CA 93725
Ph. (209) 834-1551 • FAX (209) 834-5156

RECEIVED
JAN - 4 1999
RECORDS MGT

Lake In The Desert Well #27

0-3	Top soil
3-40	Sandy clay
40-80	Hard sandy clay
80-100	Sand, tiny gravel with clay streaks
100-140	Brown clay with sand streaks
140-160	Sand and gravel
160-510	Brown clay with sand streaks
510-640	Brown clay with sand and gravel streaks
640-770	Gravel and rock
770-990	Multi color conglomerate (hard)
990-1110	Cong. granite broken hard

ANSWERED JAN 4 1999

APPENDIX B

APPENDIX B

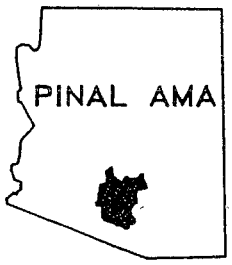
PINAL AMA GROUND-WATER FLOW MODEL DATA

(Source: Corkhill and Hill, 1990)

NOR

ARIZONA DEPARTMENT OF WATER RESOURCES

PINAL ACTIVE MANAGEMENT AREA REGIONAL GROUNDWATER FLOW MODEL PHASE TWO: NUMERICAL MODEL, CALIBRATION, SENSITIVITY AND RECOMMENDATIONS



BY

EDWIN F. CORKHILL
BRADLEY M. HILL

HYDROLOGY DIVISION

MODELING REPORT NO. 2

ARIZONA DEPARTMENT OF WATER RESOURCES

Phoenix, Arizona
December, 1990

PINAL AMA MODEL GRID IN RELATION TO TOWNSHIP-RANGE-SECTION

Model Row	Model Column	Model Cell	Cadastral Location #1	Cadastral Location #2	Cadastral Location #3	Cadastral Location #4
10	28	451	D050613			
10	31	454	D050716			
10	32	455	D050715			
11	3	473	D050223			
11	4	474	D050224			
11	5	475	D050319			
11	6	476	D050320			
11	7	477	D050321			
11	8	478	D050322			
11	9	479	D050323			
11	10	480	D050324			
11	11	481	AK-CHIN			
11	12	482	AK-CHIN			
11	13	483	AK-CHIN			
11	14	484	AK-CHIN			
11	15	485	AK-CHIN			
11	16	486	AK-CHIN			
11	17	487	D050519			
11	18	488	D050520			
11	19	489	D050521			
11	20	490	D050522			
11	23	493	D050619			
11	24	494	D050620			
11	25	495	D050621			
11	26	496	D050622			
11	27	497	D050623			
11	28	498	D050624			
11	31	501	D050721			
11	32	502	D050722			
12	3	520	D050226			
12	4	521	D050225			
12	5	522	D050330			
12	6	523	D050329			
12	7	524	D050328			
12	8	525	D050327			
12	9	526	D050326			
12	10	527	D050325			
12	11	528	AK-CHIN			
12	12	529	AK-CHIN			
12	13	530	AK-CHIN			
12	14	531	AK-CHIN			
12	15	532	AK-CHIN			
12	16	533	AK-CHIN			
12	17	534	D050530			
12	18	535	D050529			
12	19	536	D050528			
12	20	537	D050527			
12	21	538	D050526			
12	22	539	D050525			

PINAL AMA MODEL GRID IN RELATION TO TOWNSHIP-RANGE-SECTION

Model Row	Model Column	Model Cell	Cadastral Location #1	Cadastral Location #2	Cadastral Location #3	Cadastral Location #4
12	23	540	D050630			
12	24	541	D050629			
12	25	542	D050628			
12	26	543	D050627			
12	27	544	D050626			
12	28	545	D050625			
12	31	548	D050728			
12	32	549	D050727			
13	2	566	D050233	D050234		
13	3	567	D050235			
13	4	568	D050236			
13	5	569	D050331			
13	6	570	D050332			
13	7	571	D050333			
13	8	572	D050334			
13	9	573	D050335			
13	10	574	D050336			
13	11	575	AK-CHIN			
13	12	576	AK-CHIN			
13	13	577	AK-CHIN			
13	14	578	AK-CHIN			
13	15	579	AK-CHIN			
13	16	580	AK-CHIN			
13	17	581	D050531			
13	18	582	D050532			
13	19	583	D050533			
13	20	584	D050534			
13	21	585	D050535			
13	22	586	D050536			
13	23	587	D050631			
13	24	588	D050632			
13	25	589	D050633			
13	26	590	D050634			
13	27	591	D050635			
13	28	592	D050636			
13	29	593	D050731			
13	31	595	D050733			
13	32	596	D050734			
14	2	613	D060203	D060204		
14	3	614	D060202			
14	4	615	D060201			
14	5	616	D060300			
14	6	617	D060306			
14	7	618	D060305			
14	8	619	D060304			
14	9	620	D060303			
14	10	621	D060302			
14	11	622	D060301			
14	12	623	D060406			

COLUMN

ROW

	1									10										20										30										40							47
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	135	195	265	305	330	540	460	355	250	145	120	130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	280	364	559	434	360	0
	0	110	130	205	275	310	350	555	450	355	225	165	160	170	190	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	219	234	219	234	0	0	0	0	0	0	270	200	290	270	170	100
	0	125	70	185	245	285	325	355	490	485	340	235	290	310	324	334	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	239	234	234	229	209	0	0	0	210	225	210	240	225	200	225	155
	0	115	110	200	265	360	330	435	500	495	450	375	355	344	319	314	329	0	0	0	0	0	0	0	0	0	0	0	0	0	0	234	219	229	244	244	279	0	214	219	194	200	200	190	185	230	275
	0	169	210	270	310	405	400	425	500	510	410	310	305	305	284	294	234	0	0	0	0	0	0	0	0	0	0	0	0	0	249	235	210	165	180	200	210	0	194	194	195	190	245	255	265	300	335
	0	189	324	355	400	415	490	380	450	410	325	270	205	175	149	149	0	0	0	0	0	0	0	0	0	0	0	0	0	0	225	205	175	190	195	185	190	195	195	205	215	215	205	240	270	305	360
	0	219	354	400	435	430	415	390	375	350	335	280	235	160	150	169	164	0	0	0	0	0	0	0	0	0	0	0	0	0	205	190	195	210	215	220	200	190	200	200	195	195	185	225	275	315	390
	0	0	324	414	450	445	440	400	375	340	335	320	290	250	240	260	274	0	0	0	0	0	0	0	0	0	0	0	0	0	190	200	210	235	235	235	230	220	215	205	190	185	195	220	255	305	385
10	0	0	0	334	450	440	440	390	375	330	350	345	350	370	380	320	174	154	114	0	0	0	0	119	124	149	274	289	0	0	220	215	235	245	250	245	250	245	235	210	195	165	175	200	200	250	355
	0	0	339	353	455	445	445	430	405	310	295	280	260	255	320	320	199	174	149	114	0	0	99	99	259	264	334	359	0	0	245	240	255	270	275	270	270	260	245	220	195	185	175	170	165	160	200
	0	0	359	414	455	460	450	435	395	320	305	290	270	250	235	230	204	174	174	190	220	175	180	185	205	274	319	344	0	0	270	265	280	285	295	295	285	270	250	235	210	200	195	175	180	150	200
	0	339	374	419	455	475	465	445	370	310	290	270	275	250	235	230	234	209	204	179	165	140	140	114	209	254	299	305	310	0	295	290	305	310	325	320	305	280	260	260	260	260	250	270	245	210	240
	0	354	400	434	440	450	460	405	340	330	320	285	270	260	245	240	269	224	194	174	104	73	84	134	184	234	289	265	285	300	310	325	320	335	340	340	325	300	290	310	310	290	295	315	300	245	264
	0	284	425	414	419	470	505	355	335	310	300	360	300	280	270	255	284	254	224	184	144	114	89	144	179	234	230	245	265	280	295	305	325	345	350	355	345	330	325	355	385	385	330	340	330	230	299
	0	0	299	424	394	390	440	350	295	300	310	305	300	290	265	250	279	244	214	179	149	139	99	149	184	205	230	250	265	280	295	315	330	345	355	360	360	355	360	375	400	430	375	365	350	295	334
	0	0	350	300	265	240	285	245	240	245	250	295	285	275	260	240	254	234	194	144	139	124	104	144	204	220	235	250	265	290	305	320	325	340	370	385	395	400	395	410	430	435	415	410	385	299	339
	0	0	0	0	0	0	359	250	245	245	255	260	280	250	240	235	229	209	184	159	134	124	109	139	204	220	235	255	270	290	300	320	345	350	390	410	420	435	420	425	450	450	430	440	395	284	0
	0	0	0	0	350	315	285	299	275	260	250	245	240	235	235	245	224	209	189	164	134	104	89	99	159	220	240	260	275	290	310	325	355	365	405	440	455	465	460	460	460	465	450	435	410	0	0
20	0	0	0	0	400	315	285	309	289	280	260	240	230	220	250	229	219	209	194	179	149	94	99	109	114	129	133	250	280	305	325	345	365	410	460	490	500	505	485	485	485	475	465	415	410	0	0
	0	0	0	0	400	325	235	270	289	234	304	274	239	[illegible]	219	219	219	209	199	194	159	133	139	144	149	174	0	0	290	320	335	0	400	445	490	535	545	550	535	525	535	525	455	420	415	0	0
	0	0	0	0	0	0	310	250	235	300	279	284	[illegible]	[illegible]	214	214	204	204	199	179	179	169	184	209	219	0	0	275	315	335	375	420	465	500	570	585	600	585	585	580	575	570	465	460	0	0
	0	0	0	0	0	0	0	255	260	259	284	249	224	199	[illegible]	[illegible]	204	199	199	169	174	184	220	229	254	0	0	285	325	340	400	435	475	515	595	625	640	655	670	655	640	620	500	490	0	0
	0	0	0	0	0	0	0	265	265	259	249	234	224	184	169	[illegible]	184	189	189	184	184	204	219	249	334	285	0	305	345	380	420	455	490	535	620	720	780	785	805	795	790	695	510	495	0	0
	0	0	0	0	0	0	0	0	0	0	0	239	224	199	179	184	164	189	194	159	0	184	183	245	269	294	320	340	350	375	395	440	485	515	585	670	775	850	900	915	925	885	790	470	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	219	299	189	184	179	184	189	209	224	189	204	260	304	310	330	355	370	405	420	480	525	610	735	810	910	875	1000	1020	990	905	830	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	214	199	189	184	189	199	214	229	134	0	275	374	330	355	375	400	415	530	595	750	855	920	985	1060	1080	1105	1130	1070	930	840	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	164	154	139	134	139	149	174	199	0	0	0	369	340	370	400	510	525	685	860	940	1010	1070	1120	1185	1200	1200	1190	1125	955	860	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	115	125	160	180	0	0	189	240	310	350	390	405	475	610	845	960	1065	1120	1180	1205	1215	1200	1210	1210	1130	945	865	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	209	240	309	350	385	425	510	695	950	1070	1145	1190	1200	1190	1190	1180	1190	1165	1100	955	885	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	164	214	254	339	400	435	540	805	1065	1035	1150	1170	1170	1175	1175	1165	1165	1150	1045	935	905	649	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	145	184	279	364	405	550	870	1100	1125	1145	1150	1150	1150	1155	1150	1145	1175	975	945	920	669	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	339	400	540	850	1030	1105	1120	1135	1135	1035	1110	1115	1055	995	940	950	924	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	515	680	830	990	900	975	1015	995	995	985	925	830	790	710	624	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	510	550	575	600	655	685	755	840	855	820	760	740	740	789	645	594	564	534	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	334	434	469	535	565	585	590	605	645	665	665	615	609	649	669	589	539	524	514	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	284	339	369	389	499	514	619	634	549	569	489	484	489	499	499	509	504	504	509	0	0
33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	334	369	424	429	434	459	454	449	459	449	0	0	0	0	489	464	0	0

MODEL LAYER THICKNESS
LAYER 1
UNITS = FEET

COLUMN

ROW

	1								10										20										30										40							47
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	600	1005	2135	2895	2970	2660	1140	945	950	855	780	650	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	216	136	101	166	101	0
	0	500	1070	2195	3175	3420	3320	2645	1810	1310	1075	870	730	530	430	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	181	166	181	166	0	0	0	0	0	0	206	271	310	350	310	150
	0	400	1070	2215	3225	3480	3540	3310	2180	1440	840	690	500	400	201	101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	261	221	141	111	101	0	0	0	101	165	210	271	321	430	350	245
	0	200	980	1920	3110	3360	3580	3490	2300	1490	740	620	450	381	226	176	101	0	0	0	0	0	0	0	0	0	0	0	0	0	566	381	326	226	131	101	0	101	101	106	176	241	285	390	470	325
	0	151	790	1730	2750	3230	3530	3560	2700	1790	790	700	510	430	226	101	101	0	0	0	0	0	0	0	0	0	0	0	0	551	615	640	635	420	300	190	0	101	106	140	190	205	260	810	770	265
	0	136	501	1350	2410	2580	3440	3610	3500	2300	1090	750	620	470	376	251	0	0	0	0	0	0	0	0	0	0	0	0	0	101	395	675	660	655	615	430	250	155	210	285	385	495	740	980	935	340
	0	151	491	1040	2145	2630	3280	3610	3625	2760	1380	840	690	590	390	131	101	0	0	0	0	0	0	0	0	0	0	0	0	270	540	680	720	750	780	600	460	460	470	580	605	815	965	1050	960	360
	0	0	451	851	2040	2380	2970	3510	3625	3180	1490	910	650	500	350	220	101	0	0	0	0	0	0	0	0	0	0	0	0	360	580	720	750	855	820	785	750	810	780	760	830	890	1040	985	880	215
10	0	0	0	781	2031	2140	2660	3320	3490	3370	1880	3655	690	490	310	210	201	101	101	0	0	0	0	181	276	351	326	111	0	0	390	580	800	940	990	1005	1015	1030	1050	1090	1070	1100	1120	1075	1050	850	245
	0	0	318	791	1645	2655	2350	2950	3320	3290	2305	1120	990	710	460	350	301	276	251	186	0	0	201	701	741	736	666	241	0	0	390	750	935	1280	1420	1380	1340	1280	1270	1280	1275	1290	1245	1165	1100	840	400
	0	0	471	741	1420	2040	2240	2745	3140	3120	2940	2265	3730	815	640	570	398	376	376	310	230	225	520	1015	1395	1326	981	656	0	0	320	830	1015	1460	1705	1810	1815	1830	1850	1765	1690	1600	1405	1260	1090	745	400
	0	151	476	701	1045	2015	2135	2595	2920	3050	2865	2690	1725	970	840	660	466	441	446	471	435	560	660	1286	1591	1546	1301	895	125	0	320	810	1295	2094	2089	2495	2510	2540	2169	2140	2040	1940	1750	1530	1090	685	360
	0	146	370	536	820	1610	2030	2450	2820	2835	2750	2585	2005	1320	955	850	736	651	616	576	646	621	666	1066	1616	1766	1511	1135	515	300	490	1275	1680	2065	2460	2860	3075	3129	3149	2390	2290	2310	1905	1685	1035	650	336
	0	116	175	451	771	3530	2065	2440	2640	2660	2575	2445	2235	1760	1275	945	816	646	676	716	756	786	661	606	1621	1966	1770	1555	935	920	1405	1495	2075	2455	2650	3245	3655	3670	3075	2845	2715	2615	2270	1660	970	580	301
	0	0	101	216	481	860	1285	2285	2495	2480	2375	2245	2165	1905	1535	1060	921	756	786	821	851	761	751	601	1016	1595	1770	1550	1335	1320	1605	1885	2105	2455	2845	3340	3640	3645	3640	3625	3400	2890	2650	1735	850	320	206
	0	0	50	100	235	650	1150	1880	2225	2305	2240	2160	2110	1925	1550	1160	1046	966	906	956	861	826	796	656	996	1380	1565	1450	1335	1310	1595	1880	2275	2560	3030	3415	3605	3600	3605	3590	3570	3010	2675	1820	825	201	101
	0	0	0	0	0	0	601	1320	1855	2200	2180	2140	2100	1810	1575	1340	1071	991	1016	941	866	826	791	711	796	1080	1365	1145	930	1110	1000	1880	2055	2450	2810	3460	3580	3565	3580	3575	3550	3070	2760	1960	820	151	0
	0	0	0	0	50	65	650	951	1150	1640	2050	2095	1875	1680	1490	1240	1076	991	1011	936	866	846	811	701	641	680	860	740	825	910	1090	1375	1745	2335	2695	3260	3545	3535	3540	3540	3540	3160	2740	2055	810	0	0
20	0	0	0	0	100	285	450	851	1001	1220	1540	1700	1645	1460	1285	1171	1081	991	906	821	751	756	301	591	586	471	467	350	520	695	675	855	1535	1990	2540	3510	3500	3495	3515	3515	3515	3440	2720	2050	705	0	0
	0	0	0	0	100	275	315	630	1031	1006	1096	1226	1121	1101	1081	981	981	891	901	806	741	711	611	456	351	226	0	0	310	380	365	0	1400	1955	2510	3465	3455	3450	3465	3475	3465	3095	2725	2045	600	0	0
	0	0	0	0	0	0	0	310	705	860	921	1036	1071	991	991	886	786	796	796	801	821	771	631	516	341	181	0	0	265	300	365	710	1180	1935	2700	3430	3415	3400	3415	3415	3420	3425	2680	1830	475	0	0
	0	0	0	0	0	0	0	215	540	741	816	851	976	1001	911	811	706	696	701	751	761	776	716	630	471	296	0	0	265	375	660	800	1465	2425	3250	3405	3375	3360	3345	3330	3345	3360	2580	3500	310	0	0
	0	0	0	0	0	0	0	235	335	341	551	766	776	816	831	681	571	516	511	511	566	616	646	631	551	266	280	0	360	550	720	1080	2345	3080	3390	3380	3280	3220	3215	3195	3205	3210	2005	1000	300	0	0
	0	0	0	0	0	0	0	0	0	0	0	361	576	601	621	516	466	461	456	491	0	516	561	605	581	506	380	360	450	725	1005	1860	3140	3415	3415	3330	3225	3150	3100	3085	3075	3115	1310	300	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	181	391	411	466	471	416	411	391	326	411	496	590	596	690	770	845	930	995	1180	2320	3410	3390	3265	3190	3090	3125	3000	2980	3010	3095	1800	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	266	351	411	366	361	351	336	271	316	0	495	526	770	945	1025	1100	1185	1870	2605	3250	3145	3080	3015	2940	2920	2895	2870	2930	3070	1700	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	251	346	361	366	361	351	326	251	0	0	0	481	660	780	900	1040	1575	2315	2610	3060	2990	2930	2880	2815	2800	2800	2810	2875	3030	3140	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	285	325	340	270	0	0	251	360	590	750	810	1495	1125	1790	2355	2495	2935	2880	2820	2795	2785	2800	2790	2790	2870	1455	1150	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	351	560	641	750	715	875	990	1405	1950	2395	2855	2810	2800	2810	2810	2820	2810	2835	2900	1060	3115	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	436	636	646	561	500	665	860	1195	1335	1805	2850	2830	2830	2825	2825	2835	2835	2595	1770	1500	700	101	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	655	616	521	336	395	650	530	1400	1875	2855	2850	2850	2850	2845	2850	2855	2595	1700	1350	400	101	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	251	400	560	1250	1710	2390	2880	2865	2865	2965	2890	2785	2100	1575	1060	650	151	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	585	2020	2330	2430	2800	2690	2460	2350	2290	1380	1000	850	700	490	101	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	170	650	2410	2500	2590	2630	2530	2350	2265	1850	970	850	710	621	525	286	201	176	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101	166	331	2160	2340	2430	2450	2430	2300	2195	1735	1125	901	721	561	551	511	401	666	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	216	261	331	1211	2001	2001	2001	2001	2001	2001	2001	1516	751	251	351	351	261	426	791	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2001	2001	2001	2001	2001	2001	2001	2001	1776	801	0	0	0	0	201	236	0	0
39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MODEL LAYER THICKNESS
LAYER 2
UNITS = FEET

COLUMN

ROW

	1									10										20										30										40										47
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	130	130	130	150	150	160	160	160	150	150	150	130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	130	130	130	130	130	0
	0	130	130	130	150	150	160	160	160	150	150	150	130	130	130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200	200	200	200	0	0	0	0	0	130	130	130	130	130	200
	0	130	130	130	150	150	160	160	160	150	150	150	130	130	130	130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200	200	200	200	200	0	0	0	150	150	130	130	130	130	200	200
	0	130	130	130	150	150	160	160	160	150	150	150	130	130	130	130	130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200	200	200	200	200	200	200	0	150	150	130	130	130	130	200	200	112
	0	130	130	130	150	150	160	160	160	150	150	150	130	130	130	130	130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200	200	200	200	200	200	200	200	0	150	150	130	130	200	200	200	130	130
	0	130	130	130	150	150	160	160	160	150	150	150	130	130	130	130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	150	150	150	200	200	200	200	200	200	200	200	200	200	200	130	130	130	130	130
	0	150	150	150	150	150	160	160	160	150	150	150	130	130	130	130	130	0	0	0	0	0	0	0	0	0	0	0	0	0	150	150	150	150	200	200	200	200	200	200	200	200	112	112	112	112	112	112	112
	0	0	150	150	150	150	150	160	160	150	150	150	150	130	130	130	130	0	0	0	0	0	0	0	0	0	0	0	0	0	150	150	150	150	150	150	200	200	200	200	200	112	112	112	112	112	112	112	112
10	0	0	0	150	150	150	150	160	200	160	160	150	150	130	130	130	130	130	130	0	0	0	0	130	130	130	130	130	0	0	150	150	150	150	150	160	150	130	130	130	130	112	112	112	112	112	112	112	112
	0	0	130	150	150	150	150	160	200	200	160	150	150	150	130	130	130	130	130	130	0	0	130	130	130	130	130	130	0	0	150	150	150	150	150	160	150	130	130	130	130	112	112	112	112	112	112	112	112
	0	0	130	130	150	150	150	160	200	200	160	150	150	150	150	150	130	130	130	130	150	150	150	130	150	130	130	130	0	0	150	160	160	150	160	160	150	130	130	130	112	112	112	112	112	112	112	112	112
	0	130	130	130	130	130	150	150	200	200	160	150	150	150	150	150	150	150	130	130	150	150	150	150	150	150	130	130	130	0	150	150	150	150	150	150	150	130	130	130	112	112	112	112	112	112	112	112	112
	0	130	130	130	130	130	150	150	200	200	200	150	150	150	150	150	150	150	130	130	150	150	150	150	150	150	150	150	130	150	150	150	150	150	150	150	130	130	112	112	112	112	112	112	112	112	112	112	112
	0	130	130	130	130	130	150	150	150	200	200	200	200	160	150	150	150	150	130	130	150	150	150	150	150	150	150	150	150	150	150	130	130	130	130	130	130	130	112	112	112	112	112	112	112	112	112	112	112
	0	0	130	130	130	130	150	150	160	200	200	200	200	160	160	160	150	130	130	150	150	150	150	150	150	150	150	150	150	150	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	130	130
	0	0	130	130	130	130	130	150	150	150	200	200	200	200	200	200	200	150	150	150	150	150	150	150	150	150	150	150	150	150	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	130	130	130
	0	0	0	0	0	0	130	150	150	150	150	200	200	200	200	200	200	200	200	200	200	150	150	150	150	160	160	150	150	150	130	112	112	112	112	112	112	112	112	112	112	112	112	112	112	130	130	0	0
	0	0	0	0	112	112	112	150	150	150	150	200	200	200	200	200	200	200	200	200	200	150	150	150	160	160	160	160	150	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	130	130	0	0	0
20	0	0	0	0	112	112	112	150	150	150	150	150	200	200	200	200	200	200	200	200	200	200	150	150	150	160	160	160	160	160	130	130	112	112	112	112	112	112	112	112	112	112	112	112	130	130	0	0	0
	0	0	0	0	112	112	112	130	130	150	150	150	150	200	200	200	200	200	200	200	150	150	150	150	150	150	0	0	160	160	150	0	130	112	112	112	112	112	112	112	112	112	112	112	130	130	0	0	0
	0	0	0	0	0	0	130	130	150	150	130	150	150	150	200	200	200	200	200	200	150	150	150	150	150	150	0	0	160	160	150	150	130	112	112	112	112	112	112	112	112	112	112	112	130	130	0	0	0
	0	0	0	0	0	0	0	150	150	150	130	130	150	150	150	150	150	200	200	200	150	150	150	150	150	150	0	0	160	160	150	150	112	112	112	112	112	112	112	112	112	112	112	112	130	130	0	0	0
	0	0	0	0	0	0	0	150	150	150	130	130	130	130	150	150	150	150	200	200	150	150	150	150	150	150	150	0	160	160	130	130	112	112	112	112	112	112	112	112	112	112	112	112	130	130	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	130	130	130	150	150	150	150	200	150	0	150	150	150	150	150	150	160	150	150	130	112	112	112	112	112	112	112	112	112	112	112	112	112	130	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	130	130	130	130	150	150	150	150	150	150	150	150	150	150	150	150	130	130	112	112	112	112	112	112	112	112	112	112	112	112	112	112	130	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	130	130	130	150	150	150	150	150	150	0	150	160	150	150	150	130	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	130	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	130	130	130	150	150	150	150	150	0	0	0	160	150	150	150	130	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	130	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	150	150	150	150	0	0	130	130	150	130	130	130	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	130	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	130	130	130	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	130	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	130	130	130	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	130	130	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	130	130	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	130	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	130	130	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	130	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	130	130	150	150
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	130	130	112	112	112	112	112	112	112	112	112	130	130	130	130	130	150	150	150	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	130	130	112	112	112	112	112	112	130	130	130	130	130	130	150	150	150	150	150	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PRIMARY STORAGE CAPACITY (SPECIFIC YIELD)
LAYER 1
VALUE ×10−3
UNITS= DIMENSIONLESS

COLUMN

ROW

	1									10										20										30										40										47
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	80	5	5	5	5	5	5	5	5	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	80	80	80	80	0
	0	80	5	5	5	5	5	5	5	5	5	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	80	80	80	80	80
	0	80	5	5	5	5	5	5	5	5	5	5	5	5	80	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	80	80	80	80	0	0	0	80	80	80	80	80	5	5	80
	0	80	5	5	5	5	5	5	5	5	5	5	80	80	80	80	80	0	0	0	0	0	0	0	0	0	0	0	0	0	80	80	80	80	80	80	0	80	80	80	80	80	80	5	5	80
	0	80	5	5	5	5	5	5	5	5	5	5	5	80	80	80	80	80	0	0	0	0	0	0	0	0	0	0	0	0	80	80	80	80	80	80	80	0	80	80	5	5	5	5	5	5	80
	0	80	80	5	5	5	5	5	5	5	5	5	5	80	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	5	5	5	5	5	5	5	80	5	5	5	5	5	5	5	5	80
	0	80	80	80	5	5	5	5	5	5	5	5	5	80	80	80	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	80
	0	0	80	80	5	5	5	5	5	5	5	5	5	80	80	80	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	80
10	0	0	0	80	80	5	5	5	5	5	5	5	5	80	80	80	80	80	0	0	0	0	80	80	80	80	80	0	0	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	80
	0	0	80	80	80	5	5	5	5	5	5	5	5	5	80	80	80	80	80	0	0	80	80	80	80	80	80	0	0	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	80
	0	0	80	80	80	5	5	5	5	5	5	5	5	5	5	80	80	80	80	80	80	80	80	80	80	80	80	0	0	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	80
	0	80	80	80	80	80	5	5	5	5	5	5	5	5	5	80	80	80	80	80	80	80	80	80	80	80	5	5	0	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	80
	0	80	80	80	80	80	5	5	5	5	5	5	5	5	5	80	80	80	80	80	80	80	80	80	80	80	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	80	80
	0	80	80	80	80	5	5	5	5	5	5	5	5	5	5	80	80	80	80	80	80	80	80	80	80	80	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	80	80
	0	0	80	80	80	80	5	5	5	5	5	5	5	5	5	80	80	80	80	80	80	80	80	80	80	80	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	80	80
	0	0	80	80	80	80	5	5	5	5	5	5	5	5	5	80	80	80	80	80	80	80	80	80	80	80	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	80	0
	0	0	0	0	0	0	80	5	5	5	5	5	5	5	5	80	80	80	80	80	80	80	80	80	80	80	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	0	0
	0	0	0	0	80	80	80	80	5	5	5	5	5	5	5	80	80	80	80	80	80	80	80	80	80	80	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	0	0
20	0	0	0	0	80	80	80	80	80	5	5	5	5	5	80	80	80	80	80	80	80	80	80	80	80	80	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	0	0
	0	0	0	0	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	0	0	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	80	0
	0	0	0	0	0	0	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	0	0	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	80	0
	0	0	0	0	0	0	0	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	0	0	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	80	0
	0	0	0	0	0	0	0	0	0	0	0	80	80	80	80	80	80	80	80	80	0	80	80	80	80	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	80	0
	0	0	0	0	0	0	0	0	0	0	0	0	80	80	80	80	80	80	80	80	80	80	80	80	80	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	80	80	80	80	80	80	80	80	0	80	80	80	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	80	80	80	0	0	80	80	80	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	80	80	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	80	80	80	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	80	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	80	80	80	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	80	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	80	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	80	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	80	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	80	80	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	80	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	80	80	80	80	80	80	80	80	60	30	80	80	80	80	80	80	80	80	80	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	80	80	80	80	80	80	80	80	80	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PRIMARY STORAGE CAPACITY
(SPECIFIC YIELD OR STORAGE COEFFICIENT)
LAYER 2
VALUE × 10−3
UNITS = DIMENSIONLESS

COLUMN

ROW	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	300	300	350	400	650	750	850	950	950	750	650	550	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	150	150	150	150	150	0
3	0	300	300	350	400	650	750	850	950	950	750	650	550	550	350	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5000	5000	5000	5000	0	0	0	0	0	0	150	150	150	150	150	5000
4	0	300	300	350	450	650	750	850	950	950	750	650	550	550	550	350	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5000	5000	5000	5000	5000	0	0	0	150	150	150	150	150	150	5000	5000
5	0	300	300	350	450	850	750	850	950	950	750	750	650	550	550	350	350	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5000	5000	5000	5000	5000	5000	0	150	150	150	150	150	150	5000	5000	350
6	0	300	300	350	450	650	750	850	950	950	750	750	650	550	550	550	350	0	0	0	0	0	0	0	0	0	0	0	0	0	5000	5000	5000	5000	5000	5000	5000	0	150	150	150	150	5000	5000	5000	750	350
7	0	350	350	350	450	650	750	850	950	950	750	750	650	550	550	550	0	0	0	0	0	0	0	0	0	0	0	0	0	0	800	800	800	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	750	300	300
8	0	400	400	400	450	650	750	850	950	350	750	750	650	550	550	550	350	0	0	0	0	0	0	0	0	0	0	0	0	0	750	800	800	750	750	5000	5000	5000	5000	5000	5000	5000	750	750	250	200	150
9	0	0	400	450	450	650	750	850	950	950	750	750	650	550	550	550	350	0	0	0	0	0	0	0	0	0	0	0	0	0	750	750	750	750	750	750	5000	5000	5000	5000	5000	750	750	200	200	150	150
10	0	0	0	550	450	650	750	850	950	950	750	750	750	550	550	550	350	350	350	0	0	0	0	250	250	250	250	250	0	0	750	750	750	750	700	600	400	350	300	300	300	250	200	200	150	150	150
11	0	0	350	550	450	650	750	850	950	950	850	750	700	550	550	550	550	350	350	350	0	0	250	200	250	250	250	250	0	0	650	650	750	750	700	600	400	350	300	300	300	250	200	150	150	150	150
12	0	0	350	350	450	650	750	850	950	950	850	750	750	650	650	550	550	550	550	600	650	650	600	600	550	350	350	350	0	0	550	550	650	550	600	600	400	350	300	300	250	200	150	150	150	150	150
13	0	350	350	350	450	600	750	850	950	950	850	750	650	650	650	650	650	600	600	600	650	650	650	650	550	350	350	350	350	0	450	450	450	500	500	500	400	350	300	350	250	200	150	150	150	150	150
14	0	350	350	350	450	650	750	850	950	950	950	850	750	750	650	650	650	650	650	650	650	650	650	650	650	550	450	400	300	350	350	450	400	400	400	400	350	300	250	200	150	150	150	150	150	150	150
15	0	350	350	350	350	350	750	850	950	950	950	850	750	750	650	650	650	650	600	600	650	650	650	650	650	550	450	450	450	350	350	350	350	350	300	300	300	250	250	200	150	150	150	200	250	250	250
16	0	0	350	350	350	350	450	450	650	950	950	850	850	850	750	650	650	600	650	600	650	650	650	650	650	450	400	450	350	350	300	200	200	200	200	200	250	200	200	150	150	150	150	250	250	300	300
17	0	0	350	350	350	350	350	450	650	950	950	850	850	850	750	650	650	650	650	600	650	650	650	550	650	450	450	450	350	350	300	200	200	150	150	150	150	150	150	150	150	200	250	250	300	350	350
18	0	0	0	0	0	0	350	450	450	650	950	950	850	750	650	650	550	550	650	650	650	650	650	550	650	450	450	450	350	350	300	200	200	150	150	150	150	150	150	150	150	200	250	250	350	350	0
19	0	0	0	0	250	250	450	450	450	650	950	950	950	950	950	850	850	850	650	650	650	650	650	550	650	450	450	450	450	350	350	200	200	150	150	150	150	150	150	150	150	200	250	300	350	0	0
20	0	0	0	0	200	200	450	450	450	650	650	950	950	950	850	850	850	850	850	750	650	650	650	550	550	500	500	500	450	350	350	300	300	200	150	150	150	150	150	150	150	200	250	300	350	0	0
21	0	0	0	0	200	200	200	450	450	450	450	650	950	850	850	850	850	850	850	850	650	550	550	550	550	550	0	0	550	450	450	0	300	200	150	150	150	150	150	150	200	200	250	300	350	0	0
22	0	0	0	0	0	0	350	350	450	450	450	650	950	950	950	950	850	850	850	850	650	550	550	550	550	550	0	0	650	550	550	450	300	200	150	150	150	150	150	150	200	200	250	300	350	0	0
23	0	0	0	0	0	0	0	450	450	450	450	450	650	650	950	950	950	950	950	850	650	550	550	550	550	550	0	0	650	650	450	400	250	200	150	150	150	150	150	150	200	200	250	300	350	0	0
24	0	0	0	0	0	0	0	450	450	450	450	450	450	650	650	950	950	950	950	850	650	550	550	550	550	550	550	0	650	650	350	350	250	200	150	150	150	150	150	150	200	250	250	300	350	0	0
25	0	0	0	0	0	0	0	0	0	0	0	350	350	650	650	650	650	650	650	650	0	550	550	550	550	550	550	650	550	450	300	250	200	150	150	150	150	150	150	150	200	250	250	350	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	350	350	600	600	600	600	600	600	650	650	550	550	550	550	550	450	350	300	200	200	150	150	150	150	150	150	150	150	200	250	300	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	350	350	350	550	550	550	550	550	550	0	550	650	550	550	450	350	250	200	150	150	150	150	150	150	150	150	150	200	250	300	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	350	350	350	550	550	550	550	550	0	0	0	650	550	550	450	350	200	150	150	150	150	150	150	150	150	150	150	200	250	300	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	550	550	550	550	0	0	300	300	450	350	350	300	150	150	150	150	150	150	150	150	150	150	150	150	200	250	300	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	300	300	300	250	200	200	150	150	150	150	150	150	150	150	150	150	150	150	200	200	300	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	300	300	300	250	200	200	150	150	150	150	150	150	150	150	150	150	150	150	200	200	200	200	0	0	0
32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	300	300	250	250	200	150	150	150	150	150	150	150	150	150	175	175	150	200	200	200	200	0	0	0
33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	300	300	150	150	150	150	150	150	150	150	150	150	150	150	200	250	350	0	0	0	0
34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	150	150	150	150	150	150	150	150	150	150	150	200	250	300	350	0	0	0	0
35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	300	150	150	150	150	150	150	150	150	200	250	250	250	250	300	350	450	450	0	0
36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	350	300	200	150	150	150	150	150	150	200	250	300	300	350	350	350	450	450	450	0	0
37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	350	300	200	250	200	150	150	150	300	300	300	300	350	400	400	400	450	450	450	0	0
38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	300	200	200	200	200	300	350	350	350	350	0	0	0	0	500	500	0	0
39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STEADY-STATE FINAL HYDRAULIC CONDUCTIVITY
LAYER 1
UNITS= GPD/FT2

COLUMN

ROW	1									10									20										30									40								47
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	2	4	6	7	9	19	30	27	15	7	5	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	60	115	63	83	0
	0	2	3	6	8	8	9	18	18	16	8	7	6	8	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	88	86	62	64	0	0	0	0	0	0	14	13	31	64	117	18
	0	2	3	5	6	7	8	9	18	19	19	19	19	24	48	74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73	79	111	115	97	0	0	0	74	29	17	12	10	7	14	12
	0	5	2	5	5	7	9	10	13	16	24	23	23	25	35	37	57	0	0	0	0	0	0	0	0	0	0	0	0	0	38	50	59	73	104	133	0	73	78	44	23	13	13	11	12	8
	0	8	6	7	8	9	9	9	13	14	25	20	16	18	28	55	22	0	0	0	0	0	0	0	0	0	0	0	0	42	37	32	27	34	46	57	0	84	85	41	26	31	25	9	11	34
	0	28	17	9	9	8	9	9	10	10	13	15	8	7	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	160	45	27	28	29	25	29	45	51	31	21	15	11	8	7	7	20
	0	25	21	14	9	9	9	9	9	9	11	14	9	4	3	6	7	0	0	0	0	0	0	0	0	0	0	0	0	43	27	25	25	25	20	20	14	11	11	9	8	5	4	5	4	6
	0	0	18	16	12	12	11	11	10	9	12	15	15	12	13	18	29	0	0	0	0	0	0	0	0	0	0	0	0	35	25	25	25	20	20	15	10	6	8	6	4	4	3	3	3	13
10	0	0	0	19	12	13	13	11	11	9	10	15	18	20	30	29	3	17	10	0	0	0	0	7	5	5	6	17	0	0	33	30	25	25	20	20	15	10	5	4	4	2	2	2	1	2	9
	0	0	17	18	15	14	12	12	12	10	10	10	9	11	17	19	6	1	1	4	0	0	10	3	4	4	7	23	0	0	40	25	25	20	20	15	15	10	5	4	3	2	1	1	1	1	1
	0	0	14	13	13	12	13	13	12	10	9	9	10	9	11	10	8	4	2	4	12	12	5	2	3	3	8	11	0	0	52	18	16	10	10	9	6	5	3	3	2	1	1	1	1	1	1
	0	25	14	13	15	10	12	12	12	9	9	8	8	10	10	12	13	9	5	3	6	5	4	1	4	6	6	8	62	0	42	18	10	7	7	6	4	4	3	4	2	2	1	1	1	1	1
	0	27	18	15	13	12	12	11	11	10	10	8	9	11	11	10	11	9	6	4	3	2	3	4	4	5	6	7	13	37	24	10	7	6	5	4	3	3	2	2	2	1	1	2	2	2	4
	0	8	39	17	12	12	12	10	9	10	10	10	11	11	10	10	11	10	7	5	8	5	5	10	5	5	5	8	11	12	8	6	5	4	4	3	3	2	2	2	2	2	1	3	5	5	7
	0	0	8	25	14	11	9	7	8	7	9	9	9	10	9	10	13	8	6	4	6	6	5	10	8	6	6	6	8	8	4	3	3	2	2	2	2	2	2	1	2	2	2	3	6	13	12
	0	0	21	11	5	4	5	5	5	5	7	7	7	7	8	9	11	8	6	4	4	5	5	9	9	7	7	8	8	9	3	3	3	2	2	2	1	1	1	2	2	2	3	4	8	24	24
	0	0	0	0	0	0	5	3	2	3	4	5	6	6	7	8	9	8	7	5	5	4	4	8	11	11	9	10	13	10	8	3	3	2	2	2	2	2	2	2	2	2	3	4	10	26	0
	0	0	0	0	20	12	2	4	4	3	3	5	6	7	8	10	9	9	8	6	4	3	2	4	9	16	14	18	18	17	11	4	3	2	2	2	2	2	2	2	2	2	3	4	11	0	0
20	0	0	0	0	9	3	3	5	5	4	3	4	6	6	10	9	9	8	8	7	5	2	6	4	5	10	12	37	28	23	26	10	6	4	2	2	2	2	2	2	2	4	5	13	0	0
	0	0	0	0	10	4	3	3	2	4	5	6	8	9	8	10	9	9	8	9	4	4	6	9	12	29	0	0	48	44	41	0	8	4	3	2	2	2	2	2	2	3	4	5	16	0	0
	0	0	0	0	0	0	8	7	4	4	3	4	5	5	5	8	11	10	10	8	6	7	10	14	25	48	0	0	53	55	42	20	9	4	2	2	2	2	2	2	2	3	5	6	22	0	0
	0	0	0	0	0	0	0	4	2	1	3	3	3	4	5	5	7	10	8	8	7	7	10	14	20	36	0	0	54	46	19	17	6	3	2	2	2	3	3	3	3	3	5	9	36	0	0
	0	0	0	0	0	0	0	6	4	4	2	2	2	2	4	5	7	8	12	12	9	10	13	14	19	57	44	0	44	33	15	11	4	3	2	2	3	3	3	3	3	5	8	12	39	0	0
	0	0	0	0	0	0	0	0	0	0	0	4	3	3	5	6	9	9	15	7	0	12	13	17	20	25	38	51	36	19	10	5	3	2	2	3	3	4	4	4	4	6	13	40	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	11	6	8	6	8	12	13	17	23	15	15	19	23	20	20	16	12	10	6	4	2	2	3	3	4	4	4	5	4	6	12	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	9	8	7	13	14	16	19	28	10	0	23	39	19	17	14	11	7	5	3	3	4	4	4	5	5	5	5	5	8	12	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	4	3	4	7	7	9	13	20	0	0	0	41	23	22	17	15	6	4	5	4	5	5	6	6	6	6	6	5	7	24	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	6	7	11	0	0	14	14	19	13	14	7	7	5	5	5	5	5	6	6	6	6	6	6	5	14	19	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	9	11	9	9	8	9	7	7	6	5	6	6	6	6	5	6	5	5	15	24	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	6	8	12	13	11	11	9	11	8	5	6	6	5	5	5	5	6	8	10	21	90	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	10	21	16	14	22	11	8	5	5	5	5	5	5	5	6	7	12	38	91	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	24	16	9	9	6	5	5	5	5	5	5	7	8	16	31	178	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	4	5	6	4	5	6	6	6	9	12	17	24	36	166	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75	11	3	3	3	3	4	5	5	8	16	18	22	27	30	57	98	102	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	86	84	24	3	3	3	3	3	4	5	8	13	16	25	34	29	38	44	28	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	30	17	6	4	3	4	4	7	7	6	7	16	56	41	43	66	41	22	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	3	3	3	4	5	6	8	6	13	0	0	0	0	93	72	0	0
39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STEADY—STATE FINAL HYDRAULIC CONDUCTIVITY
LAYER 2
UNITS = GPD/FT2

APPENDIX C

APPENDIX C

GROUND-WATER SURFACE MEASUREMENTS

(Source: ADWR, 1999)

Groundwater Site Inventory Water Level Report — AZ Dept of Water Resources

Local ID	Site ID	ADWR Well Registry No.	Well Altitude	Well Depth	Date Measured	Depth to Water	WL Altitude Above Mean Sea Level	Source	Method	Remark
D-05-07 09ADB	330040111381401		1383	415	10/1/1956	116.00	1267		R	
D-05-07 09DDA	330013111380601		1380	230	7/1/1935	28.00	1352		R	
			1380	230	1/13/1977	163.40	1216.6	U	T	
D-05-07 14ADD1	325922111360101		1381	235	2/1/1942	19.00	1362		R	
D-05-07 14ADD2	325921111360201		1381		8/21/1944	62.15	1319	U	S	*
			1381		9/21/1944	62.52	1318	U	S	*
			1381		10/24/1944	61.20	1320	U	S	*
			1381		11/19/1944	58.39	1323	U	S	*
			1381		12/26/1944	55.38	1326	U	S	*
			1381		1/24/1945	53.95	1327	U	S	*
			1381		2/15/1945	54.27	1327	U	S	*
			1381		3/26/1945	55.03	1326	U	S	*
			1381		4/23/1945	57.51	1323	U	S	*
			1381		5/29/1945	60.79	1320	U	S	*
			1381		8/1/1945	63.46	1318	U	S	*
D-05-07 14ADD3	325923110360501	621834	1381	466	10/29/1984	114.70	1266	A	V	*
			1381	466	11/1/1988	83.40	1298	A	V	*
			1381	466	8/29/1989	109.50	1272	A	V	P
			1381	466	11/5/1993	74.80	1306	A	V	*
			1381	466	8/13/1996	68.90	1312	A	V	P
			1381	466	11/4/1998	62.60	1318	A	V	
D-05-07 14DDC	325858111361300	621828	1384	1230	11/3/1998	117.70	1266	A	V	V
D-05-07 14DDD	325855111360301		1385	1200	6/20/1962	160.00	1225		R	
D-05-07 15BCD	325923111375801		1380	670	8/30/1976			U	*	W
			1380	670	11/8/1988	140.80	1239	A	V	*
			1380	670	11/8/1993	147.80	1232	A	V	P
D-05-07 15CCA	325903111375501		1380		11/8/1988	140.80	1239	A	V	*
			1380		11/5/1993	126.60	1253	A	V	P
			1380		11/10/1998	83.90	1296	A	V	
D-05-07 21ABC	325842111383801		1408	690	10/30/1984	188.20	1220	A	V	S
			1408	690	11/7/1988	290.30	1118	A	V	P
			1408	690	11/5/1993	131.90	1276	A	V	*
D-05-07 22ACC	325831111373101		1380	903	9/15/1958	134.00	1246		R	
D-05-07 22ADD2	325832111370501		1384	745	1/6/1977	167.50	1216.5	U		
			1384	745	11/1/1988	118.40	1265.6	A	V	
			1384	745	1/10/1994	92.20	1291.8	A	V	
D-05-07 22BAC	325923111373901		1379	800	12/9/1970	162.00	1217		R	

GWSI is ADWR's technical database of well locations, construction data, and water levels.

Local ID	Site ID	ADWR Well Registry No.	Well Altitude	Well Depth	Date Measured	Depth to Water	WL Altitude Above Mean Sea Level	Source	Method	Remark
D-05-07 22BAC	325923111373901		1379	800	1/13/1977	161.00	1218	U	T	
			1379	800	11/8/1988	170.20	1208.8	A	V	P
			1379	800	11/5/1993	136.20	1242.8	A	V	P
D-05-07 22BDA	325832111374802		1381	930	11/8/1988	132.80	1248	A	V	P
			1381	930	11/8/1993	116.90	1264	A	V	P
D-05-07 23AAD	325846111360301	621829	1386	391	2/1/1947	40.00	1346		R	
			1386	391	1/31/1963	146.30	1239.7	B	V	
			1386	391	11/5/1993	83.30	1302.7	A	V	
			1386	391	11/4/1998	66.30	1319.7	A	V	
D-05-07 23ACA	325838111361701	621827	1387	1210	11/5/1993	106.50	1281	A	V	V
			1387	1210	11/4/1998	131.30	1256	A	V	V
D-05-07 23DAA	325823111360601	612158	1388	212	6/1/1953	107.00	1281		R	
			1388	212	1/31/1963	151.00	1237	B	V	
D-05-07 23DBA	325822111362301	612157	1388	1500	9/12/1989	355.00	1033	A	V	P
			1388	1500	12/19/1989	116.70	1271	A	V	*
			1388	1500	11/5/1993	111.50	1277	A	V	*
			1388	1500	11/4/1998	116.60	1271	A	V	
D-05-07 23DDA	325813111360401	612159	1389	1500	11/5/1993	88.10	1301	A	V	*
			1389	1500	11/4/1998	91.10	1298	A	V	
D-05-07 26ACA	325745111362101	800216	1395	1400	1/1/1969	182.00	1213	U	S	
			1395	1400	11/2/1988	224.90	1170.1	A	V	
			1395	1400	11/5/1993			A		W
D-05-07 26ADC	325737111361501	802889	1394	300	10/30/1984	151.10	1243	A	V	*
			1394	300	11/2/1988	123.70	1270	A	V	*
			1394	300	11/4/1993	97.00	1297	A	V	*
			1394	300	9/3/1996	119.20	1275	A	V	P
			1394	300	11/5/1998	74.50	1320	A	V	
D-05-07 26BDA1	325746111363801	800215	1394	170	10/29/1984	244.00	1150	A	V	*
			1394	170	11/4/1993	281.80	1112	A	V	P
			1394	170	11/9/1993	167.60	1226	A	V	*
			1394	170	11/5/1998	165.50	1229	A	V	
D-05-07 26BDA2	325746111363701	800214	1394	283	10/29/1984	154.70	1239	A	V	*
			1394	283	11/4/1993	101.90	1292	A	V	*
			1394	283	9/3/1996	116.30	1278	A	V	P
			1394	283	11/5/1998	78.20	1316	A	V	
D-05-07 26BDA3	325746111363901	800216	1394	1400		190.00	1204		R	
			1394	1400	10/29/1984	152.40	1241.6	A	V	
D-05-07 26CDD	325711111363801	622466	1401	1515	10/29/1984	163.40	1238	A	V	*
			1401	1515	6/23/1987	139.90	1261	A	V	P
			1401	1515	6/13/1988	133.90	1267	A	V	*
			1401	1515	11/2/1988	134.50	1267	A	V	*

GWSI is ADWR's technical database of well locations, construction data, and water levels.

Local ID	Site ID	ADWR Well Registry No.	Well Altitude	Well Depth	Date Measured	Depth to Water	WL Altitude Above Mean Sea Level	Source	Method	Remark
D-05-07 26CDD	325711111363801	622466	1401	1515	9/14/1989	140.30	1261	A	V	P
			1401	1515	12/6/1989	128.50	1273	A	V	*
			1401	1515	12/12/1990	125.60	1275	A	V	*
			1401	1515	12/11/1991	123.00	1278	A	V	*
			1401	1515	11/18/1992	117.10	1284	A	V	*
			1401	1515	2/2/1993	113.00	1288	A	V	*
			1401	1515	3/2/1993	112.10	1289	A	V	*
			1401	1515	4/2/1993	112.40	1289	A	V	*
			1401	1515	5/4/1993	114.30	1287	A	V	*
			1401	1515	11/3/1993	106.60	1294	A	V	*
			1401	1515	11/14/1994	96.80	1304	A	V	*
			1401	1515	11/16/1995	89.30	1312	A	V	*
			1401	1515	11/13/1996	97.30	1304	A	V	*
			1401	1515	12/10/1997	82.20	1319	A	V	
			1401	1515	11/5/1998	81.50	1320	A	V	
			1401	1515	12/12/2000	83.50	1318	A	V	
			1401	1515	11/5/2001	84.20	1316.8	A	V	
D-05-07 26DCD1	325713111361401	622468	1404	600	2/28/1949	90.90	1313	U	S	*
			1404	600	2/21/1950	92.08	1312	U	S	*
			1404	600	2/13/1951	96.15	1308	U	S	*
			1404	600	2/4/1952	101.29	1303	U	S	*
			1404	600	10/29/1984	161.90	1242	A	V	*
			1404	600	11/2/1988	134.40	1270	A	V	*
			1404	600	9/14/1989	197.60	1206	A	V	P
			1404	600	9/18/1989	147.10	1257	A	V	*
			1404	600	11/4/1993	108.50	1296	A	V	*
			1404	600	11/5/1998	80.70	1323	A	V	
D-05-07 26DCD2	325710111362301	622467	1402	1610	1/18/1955	127.68	1274	U	S	*
			1402	1610	1/17/1957	138.08	1264	U	S	*
			1402	1610	1/16/1969	193.30	1209	U	V	*
			1402	1610	6/23/1987	244.90	1157	A	V	P
			1402	1610	9/19/1989	143.40	1259	A	V	*
			1402	1610	11/3/1993	106.10	1296	A	V	*
D-05-07 27ACA	325747111372701	612152	1390	400	10/30/1984	157.30	1233	A	V	V
			1390	400	8/20/1986	194.30	1196	A	V	P
			1390	400	11/2/1988	131.80	1258	A	V	*
			1390	400	11/3/1993	111.50	1279	A	V	*
			1390	400	8/13/1996	145.80	1244	A	V	P
			1390	400	11/5/1998	85.80	1304	A	V	V
D-05-07 27ADA1	325748111370801		1391	280	4/26/1984			A	*	W
D-05-07 27ADA2	325749111370901	612153	1391	700	1/30/1963	161.80	1229	B	V	*
			1391	700	8/20/1986	196.70	1194	A	V	P
			1391	700	11/3/1993	104.40	1287	A	V	*
			1391	700	8/13/1996	112.00	1279	A	V	P
			1391	700	11/5/1998	80.00	1311	A	V	

GWSI is ADWR's technical database of well locations, construction data, and water levels.

Local ID	Site ID	ADWR Well Registry No.	Well Altitude	Well Depth	Date Measured	Depth to Water	WL Altitude Above Mean Sea Level	Source	Method	Remark
D-05-07 27ADD	325739111370801		1392	280	1/1/1920	27.00	1365		R	
D-05-07 27DBA	325734111372001	612154	1392		10/30/1984	243.25	1149	A	S	*
			1392		11/2/1988	224.80	1167	A	S	V
			1392		11/4/1993	176.80	1215	A	V	V
			1392		11/5/1998	167.50	1225	A	V	V
D-05-07 27DCC1	325711111373101		1393	250	1/1/1916	27.00	1366		R	
			1393	250	2/22/1984			A		W
D-05-07 27DCC2	325713111373201		1393	175	2/22/1984			A	*	W
D-05-07 27DCC3	325710111373001	612155	1393	360	9/12/1989	168.80	1224	A	V	P
			1393	360	12/19/1989	134.40	1259	A	V	*
			1393	360	11/3/1993	112.70	1280	A	V	*
			1393	360	11/4/1998	86.70	1306	A	V	
D-05-07 27DCC4	325710111373201	612156	1393	1325	6/24/1987	413.90	979	A	V	P
			1393	1325	11/7/1988	272.60	1120	A	V	*
			1393	1325	9/12/1989	457.10	936	A	V	P
			1393	1325	11/3/1993	199.20	1194	A	V	*
			1393	1325	11/4/1998	180.50	1213	A	V	V
D-05-07 28ABB	325801111383701	608343	1404		10/30/1984	283.10	1121	A	V	*
			1404		11/7/1988	249.30	1155	A	V	*
			1404		11/3/1993	166.50	1238	A	V	*
			1404		11/4/1998	139.00	1265	A	V	
D-05-07 28BAD	325750111383801	602748	1408	700	11/7/1988	256.40	1152	A	V	*
			1408	700	2/8/1990	282.60	1125	A	V	P
			1408	700	11/3/1993	230.20	1178	A	V	P
			1408	700	11/10/1998	141.80	1266	A	V	R
D-05-07 28CBD	325728111385701	610741	1430	370	9/9/1967	298.00	1132		R	
			1430	370	2/22/1984			A		W
D-05-07 28DCC1	325711111383101		1412	300	3/3/1949	96.06	1315.94	U	S	
			1412	300	2/13/1951	99.50	1312.5	U	S	
			1412	300	2/4/1952	109.74	1302.26	U	S	
			1412	300	12/1/1952	112.50	1299.5	U	S	
			1412	300	2/11/1953	111.56	1300.44	U	S	
			1412	300	2/18/1953	122.18	1289.82	U	S	
			1412	300	5/12/1953	116.40	1295.6	U	S	
			1412	300	11/24/1953	124.14	1287.86	U	S	
			1412	300	2/16/1954	122.10	1289.9	U	S	
			1412	300	11/16/1954	134.24	1277.76	U	S	
			1412	300	1/18/1955	127.54	1284.46	U	S	
			1412	300	1/17/1956	142.31	1269.69	U	S	
			1412	300	10/30/1956	152.20	1259.8	U	S	
			1412	300	11/29/1956	167.83	1244.17	U	S	
			1412	300	12/28/1956	147.30	1264.7	U	S	
			1412	300	1/14/1957	145.27	1266.73	U	S	

GWSI is ADWR's technical database of well locations, construction data, and water levels.

Local ID	Site ID	ADWR Well Registry No.	Well Altitude	Well Depth	Date Measured	Depth to Water	WL Altitude Above Mean Sea Level	Source	Method	Remark
D-05-07 28DCC1	325711111383101		1412	300	2/27/1957	149.67	1262.33	U	S	
			1412	300	3/28/1957	166.60	1245.4	U	S	
			1412	300	4/29/1957	167.74	1244.26	U	S	
			1412	300	6/27/1957	169.23	1242.77	U	S	
			1412	300	10/30/1984	184.30	1227.7	A	V	
			1412	300	10/31/1988	159.70	1252.3	A	V	
			1412	300	11/3/1993	138.60	1273.4	A	V	
D-05-07 28DCC2	325712111383001		1412	389	1/30/1963	179.53	1232.47	U	S	
			1412	389	1/29/1964	185.88	1226.12	U	S	
			1412	389	12/23/1964	200.20	1211.8	U	S	
			1412	389	1/25/1966	200.81	1211.19	U	S	
			1412	389	1/18/1967	202.00	1210	U	S	
			1412	389	1/23/1968	209.35	1202.65	U	S	
			1412	389	1/16/1969	205.40	1206.6	U		
			1412	389	1/7/1970	200.78	1211.22	U	S	
			1412	389	1/6/1971	197.35	1214.65	U	S	
			1412	389	1/11/1972	199.00	1213	U	S	
			1412	389	1/17/1973	199.60	1212.4	U		
			1412	389	1/7/1974	199.60	1212.4	U		
			1412	389	1/11/1977	207.50	1204.5	U	T	
			1412	389	1/10/1980	207.80	1204.2	U		
			1412	389	1/12/1981	205.40	1206.6	U		
			1412	389	1/21/1982	204.10	1207.9	U	V	
			1412	389	1/7/1983	202.00	1210	U	V	
			1412	389	10/30/1984	194.40	1217.6	A	V	
			1412	389	12/19/1985	190.20	1221.8	A	V	
			1412	389	6/12/1986	184.50	1227.5	A	V	
			1412	389	12/23/1987	172.50	1239.5	A	V	
			1412	389	6/1/1988	169.90	1242.1	A	V	S
			1412	389	10/31/1988	171.50	1240.5	A	V	
			1412	389	12/6/1989	163.80	1248.2	A	V	
			1412	389	12/12/1990	161.40	1250.6	A	V	
			1412	389	12/11/1991	159.30	1252.7	A	V	
			1412	389	11/18/1992	154.00	1258	A	V	
			1412	389	2/2/1993	150.10	1261.9	A	V	
			1412	389	3/2/1993	148.70	1263.3	A	V	
			1412	389	4/2/1993	149.50	1262.5	A	V	
			1412	389	5/4/1993	148.80	1263.2	A	V	
			1412	389	11/3/1993	145.80	1266.2	A	V	
			1412	389	11/14/1994	136.30	1275.7	A	V	
			1412	389	11/16/1995	128.00	1284	A	V	
			1412	389	11/8/1999	118.90	1293.1	A	V	
			1412	389	12/12/2000	118.30	1293.7	A	V	
			1412	389	11/5/2001	119.20	1292.8	A	V	
D-05-07 28DCC3	325711111383201		1405	710		190.00	1215		R	
D-05-07 28DCD	325712111382201		1400	483	1/30/1963	177.10	1223	B	V	*

GWSI is ADWR's technical database of well locations, construction data, and water levels.

Local ID	Site ID	ADWR Well Registry No.	Well Altitude	Well Depth	Date Measured	Depth to Water	WL Altitude Above Mean Sea Level	Source	Method	Remark
D-05-07 33BAD	325700111384201	610744	1413	396	10/31/1988	187.20	1226	A	V	*
			1413	396	11/3/1993	154.90	1258	A	V	*
			1413	396	11/4/1998	127.20	1286	A	V	
D-05-07 33CBC	325634111390401	610743	1417	160	1/1/1947	80.00	1337	U	S	
D-05-07 33DDD	325618111380801	609618	1402	268	3/2/1949	73.00	1329	U	S	*
			1402	268	1/30/1963	167.70	1234	B	V	*
			1402	268	10/30/1984	178.50	1224	A	V	*
			1402	268	12/19/1985	177.50	1225	A	V	P
			1402	268	6/12/1986	207.30	1194.7	A	V	*
			1402	268	12/11/1986	166.40	1235.6	A	V	*
			1402	268	6/16/1987	205.10	1197	A	V	P
			1402	268	12/23/1987	159.40	1243	A	V	*
			1402	268	6/1/1988	164.60	1237	A	V	*
			1402	268	10/31/1988	160.00	1242	A	V	*
			1402	268	12/6/1989	152.30	1250	A	V	*
			1402	268	12/12/1990	147.80	1254	A	V	*
			1402	268	12/11/1991	147.10	1255	A	V	*
			1402	268	11/18/1992	142.90	1259	A	V	*
			1402	268	2/2/1993	139.00	1263	A	V	*
			1402	268	3/2/1993	137.80	1264	A	V	*
			1402	268	4/2/1993	139.90	1262	A	V	*
			1402	268	5/4/1993	143.50	1259	A	V	*
			1402	268	11/3/1993	136.50	1266	A	V	*
			1402	268	11/14/1994	129.80	1272	A	V	*
			1402	268	11/16/1995	121.10	1281	A	V	*
			1402	268	11/13/1996	116.80	1285	A	V	*
			1402	268	12/10/1997	113.40	1289	A	V	
			1402	268	11/4/1998	109.40	1293	A	V	
			1402	268	12/12/2000	105.50	1297	A	V	
D-05-07 34ACC	325647111373101		1398	200	12/1/1950	65.00	1333		R	
D-05-07 34ACD	325646111372401	621206	1397	1205	10/30/1984	170.10	1227	A	V	*
			1397	1205	6/27/1985	225.90	1171	A	V	P
			1397	1205	11/2/1988	144.40	1253	A	V	*
			1397	1205	9/15/1989	207.60	1189	A	V	P
			1397	1205	11/3/1993	119.20	1278	A	V	*
			1397	1205	6/12/1997	149.40	1248	A	V	P
D-05-07 34ADC	325644111371501	621207	1398		9/15/1989	474.20	924	A	V	P
			1398		12/19/1989	283.40	1115	A	V	*
			1398		11/3/1993	231.60	1166	A	V	*
D-05-07 34BDC	325647111374001	621204	1398	1020	10/30/1984	286.10	1112	A	V	*
			1398	1020	6/27/1985	540.20	858	A	V	P
			1398	1020	11/7/1988	279.20	1119	A	V	*
			1398	1020	9/15/1989	492.60	905	A	V	P
			1398	1020	11/3/1993	227.30	1171	A	V	*
			1398	1020	6/12/1997	433.00	965	A	V	P

GWSI is ADWR's technical database of well locations, construction data, and water levels.

Local ID	Site ID	ADWR Well Registry No.	Well Altitude	Well Depth	Date Measured	Depth to Water	WL Altitude Above Mean Sea Level	Source	Method	Remark
D-05-07 34BDC	325647111374001	621204	1398	1020	11/3/1998	207.90	1190	A	V	
D-05-07 34BDD	325618111373501		1406	355	12/18/1945	80.00	1326	U	S	*
D-05-07 34CCD	325618111375601	604182	1402	1295	5/30/1971	185.00	1217	*	*	*
D-05-07 34CDD	325621111375201	604183	1403	308	10/30/1984	174.70	1228	A	V	*
			1403	308	10/31/1988	152.60	1250	A	V	*
			1403	308	11/3/1993	126.90	1276	A	V	*
			1403	308	11/3/1998	95.90	1307	A	V	
D-05-07 34DCC	325621111373101		1403	176	1/1/1963	190.00	1213		R	
			1403	176	2/22/1984			A		W
D-05-07 34DDD	325618111370501	604184	1406	500	2/28/1949	85.80	1320.2	U	S	
			1406	500	2/21/1950	89.83	1316.17	U	S	
			1406	500	2/13/1951	93.64	1312.36	U	S	
			1406	500	2/18/1953	109.04	1296.96	U	S	
			1406	500	2/17/1954	120.34	1285.66	U	S	
			1406	500	1/18/1955	121.87	1284.13	U	S	
			1406	500	1/14/1957	144.90	1261.1	U		
			1406	500	1/14/1958	154.70	1251.3	U		
			1406	500	1/25/1960	161.94	1244.06	U		
			1406	500	1/4/1961	169.40	1236.6	U		
			1406	500	1/15/1962	177.00	1229	U		
			1406	500	1/25/1963	177.20	1228.8	U		
			1406	500	12/23/1964	187.90	1218.1	U		
			1406	500	1/25/1966	185.80	1220.2	U		
			1406	500	1/18/1967	194.65	1211.35	U	S	
			1406	500	10/30/1984	172.90	1233.1	A	V	
			1406	500	12/19/1985	166.00	1240	A	V	
			1406	500	6/12/1986	199.40	1206.6	A	V	
			1406	500	12/11/1986	144.70	1261.3	A	V	
			1406	500	6/16/1987	159.00	1247	A	V	
			1406	500	12/23/1987	147.90	1258.1	A	V	
			1406	500	6/1/1988	179.00	1227	A	V	P
			1406	500	11/2/1988	146.30	1259.7	A	V	
			1406	500	11/7/1988	145.70	1260.3	A	V	
			1406	500	12/6/1989	138.70	1267.3	A	V	
			1406	500	12/12/1990	134.40	1271.6	A	V	
			1406	500	12/11/1991	131.80	1274.2	A	V	
			1406	500	11/18/1992	126.80	1279.2	A	V	
			1406	500	2/2/1993	123.50	1282.5	A	V	
			1406	500	3/2/1993	122.60	1283.4	A	V	
			1406	500	5/6/1993	124.45	1281.55	A	S	
			1406	500	11/3/1993	119.50	1286.5	A	V	
			1406	500	11/14/1994	110.20	1295.8	A	V	
			1406	500	11/16/1995	103.00	1303	A	V	
			1406	500	11/13/1996	101.30	1304.7	A	V	
			1406	500	12/10/1997	94.40	1311.6	A	V	

GWSI is ADWR's technical database of well locations, construction data, and water levels.

Local ID	Site ID	ADWR Well Registry No.	Well Altitude	Well Depth	Date Measured	Depth to Water	WL Altitude Above Mean Sea Level	Source	Method	Remark
D-05-07 34DDD	325618111370501	604184	1406	500	11/5/1998	90.60	1315.4	A	V	
			1406	500	11/8/1999	91.70	1314.3	A	V	
			1406	500	12/12/2000	90.30	1315.7	A	V	
			1406	500	11/5/2001	91.50	1314.5	A	V	
D-05-07 35DCD	325617111362301	609630	1405	1000	10/30/1984	167.90	1237	A	V	*
			1405	1000	11/2/1988	135.80	1269	A	V	*
			1405	1000	11/3/1993	106.10	1299	A	V	*
D-05-07 36DAA	325640111350401		1409	535		164.00	1245		R	
D-05-07E12BBB	330035111353701		1378	212	1/1/1946	63.50	1314.5	U	S	
D-05-07E12CAA	330008111343301		1397	256	2/28/1949	73.73	1323	U	S	*
			1397	256	2/21/1950	73.65	1323	U	S	*
			1397	256	2/14/1951	75.06	1322	U	S	*
			1397	256	2/4/1952	106.87	1290	U	S	*
			1397	256	2/17/1953	96.90	1300	U	S	*
			1397	256	1/18/1955	110.83	1286	U	S	*
			1397	256	1/17/1956	120.88	1276	U	S	*
			1397	256	1/16/1957	126.77	1270	U	S	*
			1397	256	1/15/1958	122.98	1274	U	S	*
			1397	256	11/4/1976			U	*	W
D-05-07E12CAD	325959111343201	604704	1397	1100	2/28/1949	84.15	1313	U	S	*
			1397	1100	8/20/1996	210.20	1187	A	V	P
			1397	1100	11/3/1998	88.79	1308	A	S	
D-05-07E12CDA1	325958111343301		1397	370	2/28/1949	84.64	1312	U	S	*
			1397	370	10/29/1984	119.10	1278	A	V	*
			1397	370	11/2/1988	133.60	1263	A	V	R
			1397	370	11/8/1993	108.70	1288	A	V	*
			1397	370	11/3/1998	92.60	1304	A	V	
D-05-07E12CDD	325951111343201	604705	1391	970	11/8/1993	93.80	1297	A	V	*
			1391	970	11/3/1998	115.20	1276	A	V	
D-05-07E13BAA1	325941111343301		1390	370	2/28/1949	73.73	1316	U	S	*
			1390	370	7/23/1999			A		W
D-05-07E13BAA2	325942111343201	604706	1390	999	1/10/1949	75.00	1315		R	
D-05-07E13CAA1	325916111343301		1380	242	10/29/1984	96.50	1284	A	V	*
			1380	242	11/8/1993	59.80	1320	A	V	*
D-05-07E13CCD	325856111344901		1396		4/26/1984			A	*	D
D-05-07E24BAA	325852111343201	621804	1391		9/5/1989	356.60	1034	A	V	P
			1391		11/5/1993	100.30	1291	A	V	V
			1391		11/4/1998			A		O
D-05-07E24CDC	325802111343801		1396	332	11/2/1988	104.40	1292	A	V	*

GWSI is ADWR's technical database of well locations, construction data, and water levels.

Local ID	Site ID	ADWR Well Registry No.	Well Altitude	Well Depth	Date Measured	Depth to Water	WL Altitude Above Mean Sea Level	Source	Method	Remark
D-05-07E25AAA	325800111350202		1395	520	1/1/1955	130.00	1265		R	
D-05-07E25BAC	325748111343901	621816	1397	550	10/29/1984	134.40	1263	A	V	*
			1397	550	11/2/1988	106.30	1291	A	V	*
			1397	550	11/4/1993	81.30	1316	A	V	*
D-05-07E25BDD1	325736111343001		1402	228	3/6/1942	55.00	1347	U	S	
D-05-07E25BDD2	325736111343201		1402	1940	9/1/1957	167.00	1235	U	S	
D-05-07E25CDD	325710111343201		1406	470	10/29/1984	146.60	1259	A	V	*
			1406	470	11/2/1988	113.60	1292	A	V	*
			1406	470	11/4/1993	88.70	1317	A	V	*
			1406	470	11/4/1998	67.10	1339	A	V	C
D-05-07E36BDC	325642111344201	611343	1410	400	10/30/1984	158.10	1252	A	V	*
			1410	400	8/30/1988	167.70	1242	A	V	P
			1410	400	11/3/1988	126.90	1283	A	S	V
			1410	400	11/3/1993	96.40	1314	A	V	V
			1410	400	11/5/1998	74.80	1335	A	V	
D-05-07E36CAC	325633111343901		1412		3/2/1949	94.43	1318	U	S	*
			1412		11/3/1993	97.90	1314	A	V	*
			1412		11/5/1998	77.30	1335	A	V	
D-05-07W12DDD	325948111350201	621833	1375	1005	10/16/1957	126.00	1249		R	
			1375	1005	8/29/1989	251.00	1124	A	V	P
			1375	1005	11/8/1993	79.90	1295.1	A	V	V
			1375	1005	11/3/1998	63.90	1311.1	A	V	
D-05-07W13ACC	325921111352901		1388	140	1/6/1977	132.40	1256	U	V	*
			1388	140	1/27/1983	116.80	1271	U	V	*
			1388	140	10/29/1984	115.15	1273	A	S	*
			1388	140	11/2/1988	92.79	1295	A	S	*
			1388	140	11/8/1993	73.90	1314	A	V	*
D-05-07W13ADA1	325930111343501		1383	168	4/1/1934	18.00	1365		R	
			1383	168	9/29/1976			U		W
D-05-07W13ADA2	325930111343601	621832	1383	350	11/1/1945	18.00	1365		R	
			1383	350	9/29/1976			U		W
D-05-07W13ADA3	325931111350201	621832	1375	1400	8/29/1989	312.90	1062	A	V	P
			1375	1400	12/19/1989	172.00	1203	A	V	*
			1375	1400	11/8/1993	70.60	1304	A	V	V
D-05-07W13BDD1	325922111353301		1388		2/25/1942	45.74	1342	U	S	*
			1388		7/1/1942	51.64	1336	U	S	S
			1388		12/3/1942	50.44	1338	U	S	*
			1388		5/5/1943	49.62	1338	U	S	*
			1388		2/6/1944	50.86	1337	U	S	*
			1388		2/15/1945	52.78	1335	U	S	*
			1388		7/31/1945	61.80	1326	U	S	S

GWSI is ADWR's technical database of well locations, construction data, and water levels.

Local ID	Site ID	ADWR Well Registry No.	Well Altitude	Well Depth	Date Measured	Depth to Water	WL Altitude Above Mean Sea Level	Source	Method	Remark
D-05-07W13BDD1	325922111353301		1388		1/15/1946	57.80	1330	U	S	*
			1388		10/25/1946	63.30	1325	U	S	*
			1388		12/17/1946	65.02	1323	U	S	*
			1388		2/12/1947	65.20	1323	U	S	*
			1388		6/5/1947	72.25	1316	U	S	*
			1388		8/26/1947	82.31	1306	U	S	S
			1388		10/1/1947			U	*	D
D-05-07W13BDD2	325921111353401	621835	1388	300	6/1/1989	144.00	1244	A	V	P
			1388	300	8/29/1989	150.40	1238	A	V	P
			1388	300	11/8/1993	77.60	1310	A	V	*
			1388	300	11/3/1998	66.20	1322	A	V	
D-05-07W13CAD	325908111355701		1386	546	2/18/1953	92.79	1293.21	U	S	
			1386	546	1/18/1955	107.37	1278.63	U	S	
			1386	546	1/17/1957	121.93	1264.07	U	S	
			1386	546	1/14/1958	138.47	1247.53	U	S	
			1386	546	1/13/1959	128.72	1257.28	U	S	
			1386	546	1/25/1960	137.54	1248.46	U	S	
			1386	546	1/4/1961	140.36	1245.64	U	S	
			1386	546	1/15/1962	138.76	1247.24	U	S	
			1386	546	1/29/1964	138.83	1247.17	U	S	
			1386	546	12/28/1964	139.00	1247	U	S	
			1386	546	1/26/1966	139.10	1246.9	U	S	
			1386	546	1/18/1967	143.50	1242.5	U	S	
			1386	546	1/27/1983	117.30	1268.7	U	V	
			1386	546	10/29/1984	115.60	1270.4	A	V	
			1386	546	12/19/1985	106.50	1279.5	A	V	
			1386	546	6/12/1986	104.50	1281.5	A	V	
			1386	546	12/10/1986	105.60	1280.4	A	V	
			1386	546	6/16/1987	98.00	1288	A	V	
			1386	546	12/23/1987	95.20	1290.8	A	V	
			1386	546	6/1/1988	95.50	1290.5	A	V	S
			1386	546	6/2/1988	95.60	1290.4	A	V	
			1386	546	11/2/1988	83.50	1302.5	A	V	
			1386	546	12/6/1989	107.50	1278.5	A	V	
			1386	546	12/12/1990	98.40	1287.6	A	V	
			1386	546	12/11/1991	97.50	1288.5	A	V	
			1386	546	11/19/1992	91.50	1294.5	A	V	
			1386	546	2/2/1993	89.70	1296.3	A	V	
			1386	546	3/2/1993	89.20	1296.8	A	V	
			1386	546	4/2/1993	88.90	1297.1	A	V	
			1386	546	5/4/1993	89.20	1296.8	A	V	
			1386	546	11/8/1993	74.30	1311.7	A	V	
			1386	546	11/15/1994	62.50	1323.5	A	V	
			1386	546	11/16/1995	57.10	1328.9	A	V	
			1386	546	11/13/1996	57.60	1328.4	A	V	
			1386	546	12/10/1997	61.80	1324.2	A	V	
			1386	546	11/3/1998	62.80	1323.2	A	V	

GWSI is ADWR's technical database of well locations, construction data, and water levels.

Local ID	Site ID	ADWR Well Registry No.	Well Altitude	Well Depth	Date Measured	Depth to Water	WL Altitude Above Mean Sea Level	Source	Method	Remark
D-05-07W13CAD	325908111355701		1386	546	11/8/1999	68.40	1317.6	A	V	
			1386	546	11/30/2000	71.20	1314.8	A	V	
			1386	546	11/5/2001	70.20	1315.8	A	V	
D-05-07W13CCD	325857111354301		1383	352	5/10/1946	53.00	1330		R	
D-05-07W13DDA	325902111350201		1395		4/26/1984			A	*	O
D-05-07W24AAA	325852111350001	621805	1384	1230	11/5/1993	94.50	1290	A	V	V
			1384	1230	11/4/1998	118.50	1266	A	V	V
D-05-07W24AD	325835111350801		1390		2/21/1944	62.52	1327	U	S	*
			1390		8/21/1944	62.15	1328	U	S	*
			1390		10/24/1944	61.20	1329	U	S	*
			1390		11/19/1944	58.39	1332	U	S	*
			1390		12/26/1944	55.33	1335	U	S	*
			1390		1/24/1945	53.95	1336	U	S	*
			1390		2/15/1945	54.27	1336	U	S	*
			1390		3/26/1945	55.03	1335	U	S	*
			1390		4/23/1945	57.51	1332	U	S	*
			1390		5/29/1945	60.79	1329	U	S	*
			1390		8/1/1945	63.46	1327	U	S	*
D-05-07W24ADD	325828111350201	621823	1392	321	11/5/1993	75.80	1316	A	V	*
			1392	321	8/29/1996	99.30	1293	A	V	P
			1392	321	11/4/1998	60.20	1332	A	V	
D-05-07W24BCD	325828111354901	621808	1388	1525	10/29/1984	185.50	1203	A	V	*
			1388	1525	6/23/1987	297.50	1091	A	V	P
			1388	1525	11/2/1988	181.75	1206	A	S	*
			1388	1525	11/5/1993	94.60	1293	A	V	V
D-05-07W24BDC	325831111353502	621824	1390	1540	10/29/1984	125.90	1264	A	V	*
			1390	1540	11/2/1988	104.60	1285	A	V	*
			1390	1540	11/5/1993	85.10	1305	A	V	*
D-05-07W24BDD	325831111353601		1389	200	1/6/1977	142.40	1247	U	*	*
D-05-07W24CCD1	325803111355101		1392	200	10/29/1984	138.70	1253	A	V	*
			1392	200	11/2/1988	111.90	1280	A	V	
			1392	200	1/10/1994	83.40	1309	A	V	
			1392	200	11/4/1998	67.30	1325	A	V	
D-05-07W24CCD2	325802111355201		1392	202	1/27/1983	140.80	1251	U	V	*
			1392	202	10/29/1984			A	*	O
			1392	202	11/2/1988	112.50	1280	A	V	
			1392	202	1/10/1994			A		W
D-05-07W24CCD3	325804111354701		1392		10/29/1984	136.90	1255	A	V	*
			1392		11/2/1988	112.40	1280	A	V	
			1392		1/10/1994	84.10	1308	A	V	
D-05-07W24CDA	325812111353601		1392	1400	10/29/1984	194.80	1197	A	V	*

GWSI is ADWR's technical database of well locations, construction data, and water levels.

Local ID	Site ID	ADWR Well Registry No.	Well Altitude	Well Depth	Date Measured	Depth to Water	WL Altitude Above Mean Sea Level	Source	Method	Remark
D-05-07W24CDA	325812111353601		1392	1400	11/2/1988	190.10	1202	A	S	V
			1392	1400	11/5/1993	114.40	1278	A	V	V
			1392	1400	11/4/1998	129.00	1263	A	V	
D-05-07W24DCC2	325804111350501	621826	1394	1555	11/2/1988	180.10	1214	A	V	*
			1394	1555	11/5/1993	111.40	1283	A	V	*
			1394	1555	11/4/1998	126.90	1267	A	V	
D-05-07W24DDD1	325804111350701		1394	332	8/1/1952	127.00	1267		R	
D-05-07W24DDD2	325805111350401		1393	400	9/29/1976			U	*	W
D-05-07W25ACD	325735111352301		1397		10/29/1984	148.10	1249	A	V	*
			1397		11/2/1988	119.60	1277	A	V	*
			1397		11/4/1993	95.90	1301	A	V	*
			1397		11/4/1998	75.60	1321	A	V	
D-05-07W25ADD	325735111350501		1398	504	11/4/1993	88.00	1310	A	V	*
			1398	504	11/4/1998	66.10	1332	A	V	
D-05-07W25BDC1	325735111354501		1392	580	4/26/1984			A	*	W
D-05-07W25BDC2	325737111354201	621821	1395	1515	11/2/1988	158.30	1237	A	V	*
			1395	1515	11/4/1993	109.20	1286	A	V	*
			1395	1515	11/4/1998	103.60	1291	A	V	
D-05-07W25CAD1	325724111353601	621818	1399	590	10/29/1984	152.60	1246	A	V	*
			1399	590	11/2/1988	122.30	1277	A	V	*
			1399	590	11/4/1993			A		W
D-05-07W25CAD2	325725111353601		1394		10/29/1984	248.70	1145	A	V	*
			1394		11/2/1988	245.60	1148	A	V	*
			1394		11/4/1993	175.70	1218	A	V	*
			1394		11/4/1998	172.20	1222	A	V	
D-05-07W25CCD	325714111354701	800185	1400	354	10/29/1984	157.70	1242	A	V	*
			1400	354	11/2/1988	124.90	1275	A	V	*
			1400	354	11/4/1993	96.60	1303	A	V	*
			1400	354	9/3/1996	123.90	1276	A	V	P
			1400	354	11/4/1998	75.00	1325	A	V	
D-05-07W25DDD2	325710111350901	621817	1405	1200	1/4/1957	157.00	1248	U	S	*
			1405	1200	11/4/1993	94.30	1311	A	V	*
			1405	1200	11/4/1998	72.30	1333	A	V	
D-05-07W36ACC	325646111352801		1406	510		135.00	1271		R	
D-05-07W36ACD	325643111352201	621836	1409	2376	10/30/1984	266.59	1142	A	S	*
			1409	2376	11/3/1988	257.26	1152	A	S	V
D-05-07W36ADD	325643111350101		1408	223	5/2/1984			A	*	W
D-05-07W36DDD	325618111350401	615369	1412		3/2/1949	94.43	1318	U	S	*
			1412		10/30/1984	166.10	1246	A	V	*

GWSI is ADWR's technical database of well locations, construction data, and water levels.

Local ID	Site ID	ADWR Well Registry No.	Well Altitude	Well Depth	Date Measured	Depth to Water	WL Altitude Above Mean Sea Level	Source	Method	Remark
D-05-07W36DDD	325618111350401	615369	1412		11/3/1988	141.20	1271	A	V	*
			1412		6/10/1991	189.20	1223	A	V	P
			1412		11/3/1993	100.60	1311	A	V	*
			1412		11/5/1998	78.50	1334	A	V	C
D-05-08 08DCC	330010111325601		1412		10/29/1984	122.00	1290	A	V	*
			1412		11/9/1988	118.80	1293	A	V	P
			1412		11/5/1993	71.50	1341	A	V	*
D-05-08 08DCD	330013111324501		1410		2/25/1942	22.95	1387	U	S	*
D-05-08 17BAA1	330008111325801		1412	421	11/13/1975	147.10	1264.9	U	T	
D-05-08 17BAA2	330005111332401		1412	502	1/27/1983	163.70	1248	U	V	*
			1412	502	10/29/1984	124.30	1288	A	V	*
			1412	502	11/8/1988	116.00	1296	A	V	*
			1412	502	11/5/1993	76.90	1335	A	V	*
D-05-08 17BBB1	330008111332501		1410	260	8/30/1976			U	*	W
D-05-08 17BBB2	330008111332601	621935	1409	820	1/3/1977	156.80	1252.2	U	V	
			1409	820	1/18/1983	145.30	1263.7	U	V	
			1409	820	10/29/1984	116.70	1292.3	A	V	
			1409	820	12/19/1985	105.50	1303.5	A	V	P
			1409	820	6/12/1986	171.40	1237.6	A	V	
			1409	820	12/12/1986	108.60	1300.4	A	V	
			1409	820	6/16/1987	159.70	1249.3	A	V	P
			1409	820	6/2/1988	119.50	1289.5	A	V	
			1409	820	11/8/1988	107.90	1301.1	A	V	
			1409	820	12/5/1989	111.20	1297.8	A	V	
			1409	820	12/12/1990	133.20	1275.8	A	V	
			1409	820	12/11/1991	121.90	1287.1	A	V	
			1409	820	11/18/1992	97.70	1311.3	A	V	
			1409	820	2/2/1993	97.10	1311.9	A	V	
			1409	820	3/2/1993	92.40	1316.6	A	V	
			1409	820	4/2/1993	89.30	1319.7	A	V	
			1409	820	5/4/1993	91.20	1317.8	A	V	
			1409	820	11/5/1993	77.40	1331.6	A	V	
			1409	820	11/14/1994	74.80	1334.2	A	V	
			1409	820	11/16/1995	69.20	1339.8	A	V	
			1409	820	11/13/1996	74.10	1334.9	A	V	
			1409	820	11/8/1999	100.90	1308.1	A	V	
			1409	820	11/30/2000	104.80	1304.2	A	V	
			1409	820	11/5/2001	107.60	1301.4	A	V	
D-05-08 18AAC	330000111334201		1407		10/29/1984	113.30	1294	A	V	*
			1407		11/8/1988	104.30	1303	A	V	*
			1407		11/5/1993	74.80	1332	A	V	*
D-05-08 18BBB	330008111342801		1398	935	11/13/1975	182.50	1216	U	T	*
			1398	935	8/30/1976			U	*	W

GWSI is ADWR's technical database of well locations, construction data, and water levels.

Local ID	Site ID	ADWR Well Registry No.	Well Altitude	Well Depth	Date Measured	Depth to Water	WL Altitude Above Mean Sea Level	Source	Method	Remark
D-05-08 18DAD	325930111332901		1406		10/31/1984	115.90	1290	A	S	*
			1406		11/1/1993	78.70	1327	A	V	*
			1406		11/2/1998	78.30	1328	A	V	
D-05-08 18DDD	325919111333201		1401			91.00	1310		R	
D-05-08 19ABA	325915111334401	604708	1398	1200	1/3/1977	234.80	1163	U	V	*
			1398	1200	10/31/1984	181.12	1217	A	S	V
			1398	1200	11/3/1988	177.40	1221	A	V	*
			1398	1200	11/2/1993	104.60	1293	A	V	V
			1398	1200	8/19/1996	270.80	1127	A	V	P
			1398	1200	11/2/1998	125.00	1273	A	V	
D-05-08 19ADD1	325853111332901	604710	1397	318	2/1/1951	83.73	1313	U	S	*
			1397	318	10/31/1984	182.00	1215	A	V	*
			1397	318	11/2/1993	88.10	1309	A	V	*
			1397	318	11/2/1998	92.90	1304	A	V	
D-05-08 19BAA	325912111340301	604764	1392	1110	9/28/1976			U	*	W
D-05-08 19CAD1	325840111340301		1473	200	12/14/1951	85.00	1388	U	S	*
D-05-08 19CAD2	325838111340701	628259	1390	1430	10/31/1984	176.40	1214	A	V	V
			1390	1430	8/22/1989	440.60	949	A	V	P
			1390	1430	12/26/1989	209.00	1181	A	V	*
			1390	1430	11/2/1993	98.00	1292	A	V	V
			1390	1430	11/2/1998	134.30	1256	A	V	V
D-05-08 19CCC2	325823111342801	628260	1394	400	10/31/1984	114.27	1280	A	S	V
			1394	400	2/28/1985	134.90	1259	A	V	P
			1394	400	8/21/1989	130.30	1264	A	V	P
			1394	400	12/26/1989	105.80	1288	A	V	*
			1394	400	11/2/1993	73.50	1321	A	V	V
			1394	400	11/2/1998	60.60	1333	A	V	
D-05-08 19CDD	325826111340301		1396		5/23/1984			A	*	W
D-05-08 19DAA1	325848111332802		1395	41	11/20/1956			U	*	W
D-05-08 19DAA2	325848111332801	604709	1395	300	10/31/1984	104.20	1291	A	V	*
			1395	300	11/3/1988	87.10	1308	A	V	*
			1395	300	11/2/1993	65.90	1329	A	V	*
			1395	300	11/2/1998	50.30	1345	A	V	
D-05-08 19DCC	325824111335801	628261	1397	405	10/31/1984	115.70	1281	A	V	*
			1397	405	11/3/1988	94.30	1303	A	V	*
			1397	405	8/21/1989	131.80	1265	A	V	P
			1397	405	11/2/1993	72.80	1324	A	V	*
			1397	405	11/2/1998	58.50	1339	A	V	
D-05-08 20ABA	325906111324501	612841	1406	1325	10/31/1984	151.10	1255	A	V	*
			1406	1325	11/3/1988	135.80	1270	A	V	*
			1406	1325	11/1/1993	87.20	1319	A	V	*

GWSI is ADWR's technical database of well locations, construction data, and water levels.

Local ID	Site ID	ADWR Well Registry No.	Well Altitude	Well Depth	Date Measured	Depth to Water	WL Altitude Above Mean Sea Level	Source	Method	Remark
D-05-08 20ACD	325854111324301	612840	1410	576	10/31/1984	116.50	1294	A	V	*
			1410	576	7/14/1987	112.00	1298	A	V	P
			1410	576	11/3/1988	98.50	1312	A	V	*
			1410	576	8/28/1991	114.00	1296	A	V	P
			1410	576	11/2/1998	69.90	1340	A	V	
D-05-08 20BAC	325908111331301	612843	1401	1527	2/2/1983	126.70	1274	U	V	*
			1401	1527	10/31/1984	114.90	1286	A	V	*
			1401	1527	11/3/1988	100.30	1301	A	V	*
			1401	1527	11/1/1993	74.40	1327	A	V	*
			1401	1527	11/2/1998	67.70	1333	A	V	
D-05-08 29BBB	325821111332601	800522	1395	400	10/31/1984	108.50	1287	A	V	*
			1395	400	11/4/1988	87.70	1307	A	V	*
			1395	400	11/2/1993	60.10	1335	A	V	*
D-05-08 29BDC	325801111330901		1396	355	9/29/1976			U	*	W
D-05-08 29CAC2	325744111330701	610587	1397	606	2/2/1983	127.00	1270	U	V	*
			1397	606	10/31/1984	129.00	1268	A	V	*
			1397	606	6/14/1985	233.00	1164	A	V	P
			1397	606	11/4/1988	96.10	1301	A	V	*
			1397	606	11/2/1993	75.20	1322	A	V	*
D-05-08 29CBC	325747111332401		1400	106	2/4/1952	92.55	1307	U	S	*
			1400	106	2/12/1953	99.33	1301	U	S	*
			1400	106	2/16/1954			U	*	D
D-05-08 29CCB	325742111332601		1402	500	12/27/1971	135.00	1267		R	
D-05-08 30BDC1	325758111341301		1399	216	10/31/1984	130.60	1268	A	V	*
D-05-08 30BDC2	325758111341401	628263	1399	580	8/21/1989	127.30	1272	A	V	P
			1399	580	12/26/1989	100.30	1299	A	V	*
			1399	580	11/2/1993	78.80	1320	A	V	*
			1399	580	11/2/1998	63.30	1336	A	V	V
D-05-08 30CDC	325731111340201		1406	360	4/26/1984			A	*	W
D-05-08 30CDD	325731111340301	628262	1405	800	10/30/1984	139.00	1266	A	V	*
			1405	800	2/27/1985	191.00	1214	A	V	P
			1405	800	11/4/1988	109.20	1296	A	V	*
			1405	800	8/21/1989	209.40	1196	A	V	P
			1405	800	11/2/1993	87.20	1318	A	V	*
			1405	800	11/2/1998	66.20	1339	A	V	
D-05-08 30DCD2	325733111334401		1406		1/31/1963	171.80	1234	B	V	*
D-05-08 31ADD	325705111333601	622431	1411	500	3/6/1942	59.00	1352	U	S	*
			1411	500	10/30/1984	149.00	1262	A	V	*
			1411	500	11/8/1993	86.40	1325	A	V	*
			1411	500	11/2/1998	66.20	1345	A	V	

GWSI is ADWR's technical database of well locations, construction data, and water levels.

Local ID	Site ID	ADWR Well Registry No.	Well Altitude	Well Depth	Date Measured	Depth to Water	WL Altitude Above Mean Sea Level	Source	Method	Remark
D-05-08 31BDC	325706111340701	622433	1408	345	10/30/1984	147.70	1260	A	V	*
			1408	345	11/4/1988	113.94	1294	A	S	*
			1408	345	11/3/1993	86.30	1322	A	V	*
D-05-08 31CBC	325654111342801	625227	1409	416	10/30/1984	157.10	1252	A	V	*
			1409	416	11/4/1988	121.60	1287	A	V	*
			1409	416	11/3/1993	98.30	1311	A	V	*
			1409	416	6/6/1997	105.00	1304	A	V	P
D-05-08 31CCC1	325638111342701		1414	473	11/1/1961	90.00	1324		R	
D-05-08 31CCC2	325639111342801	625226	1414	420	1/6/1977	184.10	1230	U	V	*
			1414	420	10/30/1984	160.10	1254	A	V	*
			1414	420	3/1/1985	199.40	1215	A	V	P
			1414	420	7/14/1987	198.40	1216	A	V	P
			1414	420	11/4/1988	128.20	1286	A	V	*
			1414	420	8/23/1989	208.10	1206	A	V	P
			1414	420	12/26/1989	117.50	1297	A	V	*
			1414	420	11/3/1993	95.20	1319	A	V	*
			1414	420	11/2/1998	76.20	1338	A	V	
D-05-08 31CDC2	325639111341401	625228	1413	338	10/30/1984	160.00	1253	A	V	*
			1413	338	11/4/1988	122.70	1290	A	V	*
			1413	338	8/23/1989	151.50	1262	A	V	P
			1413	338	11/3/1993	94.80	1318	A	V	*
D-05-08 31DCB	325651111335801	622432	1412	530	10/30/1984	154.90	1257	A	V	*
			1412	530	11/4/1988	118.30	1294	A	V	*
			1412	530	11/3/1993	90.40	1322	A	V	*
			1412	530	6/6/1997	101.60	1310	A	V	P
D-05-08 31DCC2	325640111334501	622429	1415	568	1/16/1973	182.00	1233	U	S	*
			1415	568	12/11/1975	188.00	1227	U	T	*
			1415	568	1/11/1977	181.80	1233.2	U	T	*
			1415	568	2/2/1983	168.50	1246.5	U	T	*
			1415	568	10/30/1984	158.60	1256	A	V	*
			1415	568	6/21/1985	229.30	1185.7	A	V	*
			1415	568	12/19/1985	140.50	1275	A	V	*
			1415	568	6/12/1986	152.10	1262.9	A	V	*
			1415	568	12/10/1986	128.60	1286.4	A	V	*
			1415	568	6/18/1987	153.50	1262	A	V	*
			1415	568	12/23/1987	119.60	1295	A	V	*
			1415	568	6/2/1988	143.00	1272	A	V	*
			1415	568	11/4/1988	122.50	1293	A	V	*
			1415	568	8/23/1989	210.70	1204	A	V	P
			1415	568	12/5/1989	119.40	1296	A	V	*
			1415	568	12/12/1990	150.60	1264	A	V	P
			1415	568	12/11/1991	110.80	1304	A	V	*
			1415	568	11/18/1992	104.50	1311	A	V	*
			1415	568	2/2/1993	99.50	1316	A	V	*

GWSI is ADWR's technical database of well locations, construction data, and water levels.

Local ID	Site ID	ADWR Well Registry No.	Well Altitude	Well Depth	Date Measured	Depth to Water	WL Altitude Above Mean Sea Level	Source	Method	Remark
D-05-08 31DCC2	325640111334501	622429	1415	568	3/2/1993	98.80	1316	A	V	*
			1415	568	4/2/1993	102.90	1312	A	V	*
			1415	568	5/4/1993	103.00	1312	A	V	*
			1415	568	11/3/1993	94.30	1321	A	V	*
			1415	568	11/14/1994	82.40	1333	A	V	*
			1415	568	11/16/1995	76.30	1339	A	V	*
			1415	568	11/13/1996	74.80	1340	A	V	*
			1415	568	6/6/1997	135.00	1280	A	V	P
			1415	568	12/10/1997	70.60	1344	A	V	
			1415	568	11/8/1999	118.20	1297	A	V	P
			1415	568	11/19/1999	78.10	1337	A	V	
			1415	568	12/12/2000	74.60	1340	A	V	
			1415	568	11/5/2001	110.20	1304.8	A	V	P
D-05-08 31DDD	325640111333401	622430	1417	241	2/18/1953	115.52	1301.48	U	S	
			1417	241	2/16/1954	126.70	1290.3	U	S	R
			1417	241	1/18/1955	131.90	1285.1	U	S	
			1417	241	1/17/1956	133.36	1283.64	U	S	
			1417	241	1/15/1957	128.70	1288.3	U	S	
			1417	241	1/15/1958	131.20	1285.8	U	S	
			1417	241	1/12/1959	127.30	1289.7	U	S	
			1417	241	1/25/1960	171.05	1245.95	U	S	
			1417	241	1/5/1961	179.20	1237.8	U	S	
			1417	241	1/29/1963	198.71	1218.29	U	S	
			1417	241	12/23/1964	209.10	1207.9	U	S	
			1417	241	1/26/1966	194.01	1222.99	U	S	
			1417	241	1/19/1967	198.80	1218.2	U	S	
			1417	241	1/16/1969	186.50	1230.5	U		
			1417	241	1/5/1971	178.94	1238.06	U	S	
			1417	241	1/6/1977	181.40	1235.6	U	T	
			1417	241	2/2/1983	167.10	1249.9	U	T	
			1417	241	10/30/1984	155.80	1261.2	A	V	
			1417	241	12/19/1985	137.70	1279.3	A	V	
			1417	241	6/12/1986	139.60	1277.4	A	V	
			1417	241	12/10/1986	126.80	1290.2	A	V	
			1417	241	12/23/1987	116.60	1300.4	A	V	
			1417	241	6/2/1988	126.10	1290.9	A	V	
			1417	241	11/4/1988	118.70	1298.3	A	V	
			1417	241	8/22/1989	152.50	1264.5	A	V	P
			1417	241	12/5/1989	114.50	1302.5	A	V	
			1417	241	12/20/1989	125.90	1291.1	A	V	
			1417	241	12/12/1990	110.50	1306.5	A	V	
			1417	241	12/11/1991	108.50	1308.5	A	V	
			1417	241	11/18/1992	101.60	1315.4	A	V	
			1417	241	2/2/1993	96.60	1320.4	A	V	
			1417	241	3/2/1993	95.60	1321.4	A	V	
			1417	241	4/2/1993	98.70	1318.3	A	V	
			1417	241	5/4/1993	99.20	1317.8	A	V	
			1417	241	11/3/1993	90.90	1326.1	A	V	

GWSI is ADWR's technical database of well locations, construction data, and water levels.

Local ID	Site ID	ADWR Well Registry No.	Well Altitude	Well Depth	Date Measured	Depth to Water	WL Altitude Above Mean Sea Level	Source	Method	Remark
D-05-08 31DDD	325640111333401	622430	1417	241	11/14/1994	79.30	1337.7	A	V	
			1417	241	11/16/1995			A		W
D-05-08 32ACD	325706111324201	621839	1405	442	10/30/1984	136.20	1269	A	V	*
			1405	442	7/11/1985	246.00	1159	A	V	P
			1405	442	11/4/1988	105.70	1299	A	V	*
			1405	442	8/28/1989	190.80	1214	A	V	P
			1405	442	11/3/1993	125.80	1279	A	V	P
			1405	442	11/8/1993	76.20	1329	A	V	*
			1405	442	11/3/1998	56.10	1349	A	V	
D-05-08 32BDC	325705111331201	621840	1410		3/6/1942	53.34	1357	U	S	*
			1410		10/29/1942	61.77	1348	U	S	*
			1410		12/31/1942	54.80	1355	U	S	*
			1410		5/5/1943	73.42	1337	U	S	*
			1410		2/6/1944	55.62	1354	U	S	*
			1410		2/15/1945	62.69	1347	U	S	*
			1410		12/19/1945	71.46	1339	U	S	*
			1410		2/14/1946	72.66	1337	U	S	*
			1410		10/25/1946	74.15	1336	U	S	*
			1410		2/12/1947	75.00	1335	U	S	*
			1410		6/5/1947	83.65	1326	U	S	*
			1410		2/3/1948	76.66	1333	U	S	*
			1410		2/7/1949	82.97	1327	U	S	*
			1410		12/7/1949	86.25	1324	U	S	*
			1410		12/7/1950	91.85	1318	U	S	*
			1410		2/5/1951	88.92	1321	U	S	*
			1410		1/2/1952	90.53	1319	U	S	*
			1410		12/1/1952	92.57	1317	U	S	*
			1410		2/11/1953	93.60	1316	U	S	*
			1410		5/12/1953	106.70	1303	U	S	*
			1410		11/19/1953	92.50	1318	U	S	*
			1410		2/16/1954	93.50	1317	U	S	*
			1410		10/30/1984	141.80	1268	A	V	*
			1410		11/4/1988	109.30	1301	A	V	*
			1410		8/28/1989	253.60	1156	A	V	P
			1410		11/8/1993	80.30	1330	A	V	*
			1410		11/3/1998	60.60	1349	A	V	
D-05-08 32CAD	325653111330101	605702	1414	600	10/30/1984	146.20	1268	A	V	*
			1414	600	11/4/1988	110.60	1303	A	V	*
			1414	600	8/31/1989	183.30	1231	A	V	P
			1414	600	11/3/1993	90.20	1324	A	V	*
			1414	600	11/3/1998	63.00	1351	A	V	C
D-05-08 32CCD	325640111325501	605701	1416	600	10/30/1984	152.70	1263	A	V	*
			1416	600	11/4/1988	116.50	1300	A	V	*
			1416	600	11/3/1993	89.80	1326	A	V	*
			1416	600	11/3/1998	66.00	1350	A	V	

GWSI is ADWR's technical database of well locations, construction data, and water levels.

Local ID	Site ID	ADWR Well Registry No.	Well Altitude	Well Depth	Date Measured	Depth to Water	WL Altitude Above Mean Sea Level	Source	Method	Remark
D-05-08 32CDA	325653111331201	605700	1414	500	10/30/1984	149.80	1264	A	V	*
			1414	500	11/4/1988	114.90	1299	A	V	*
			1414	500	12/20/1989	107.10	1307	A	V	*
			1414	500	11/3/1993	87.60	1326	A	V	*
D-05-08 32CDD1	325642111330101	605699	1415	400	2/21/1951	92.80	1322	U	S	*
			1415	400	2/5/1952	82.40	1333	U	S	*
			1415	400	1/18/1955	126.00	1289	U	S	*
			1415	400	3/31/1955	135.01	1280	U	S	*
			1415	400	1/15/1958	137.70	1277	U	S	*
			1415	400	1/31/1963	122.50	1293	B	V	*
			1415	400	1/7/1970	200.14	1215	U	S	*
			1415	400	10/30/1984	151.60	1263	A	V	*
			1415	400	11/4/1988	117.70	1297	A	V	*
			1415	400	8/31/1989	163.60	1251	A	V	P
			1415	400	11/3/1993	89.70	1325	A	V	*
			1415	400	11/2/1998	64.20	1351	A	V	
D-06-07 05BAA	325617111384201	610742	1404	360	11/13/1984	185.90	1218	A	V	*
			1404	360	11/9/1993	160.90	1243	A	V	*
D-06-07N01CDD	325615111343001		1418	535	10/31/1984	164.20	1254	A	V	*
			1418	535	11/7/1988	124.60	1293	A	V	*
			1418	535	11/8/1993	99.90	1318	A	V	*
			1418	535	11/5/1998	77.00	1341	A	V	
D-06-07N01DDC	325615111341301		1418	475	10/31/1984	181.90	1236	A	V	*
			1418	475	11/7/1988	147.60	1270	A	V	*
			1418	475	11/8/1993	102.50	1316	A	V	V
			1418	475	11/5/1998	84.70	1333	A	V	
D-06-07S01AAA	325615111335801		1420	545	6/15/1957	155.00	1265		R	
D-06-08N05CBC1	325628111325401		1419	138	3/11/1984			A	*	W
D-06-08N05CCB	325629111325401	606578	1419	312	11/6/1984	152.10	1267	A	V	*
			1419	312	11/11/1993	86.90	1332	A	V	*
			1419	312	11/11/1998	66.70	1352	A	V	
D-06-08N05CDC	325617111324001		1422	312	11/6/1984	153.10	1269	A	V	*
			1422	312	11/7/1988	118.30	1304	A	V	*
			1422	312	11/10/1993	89.10	1333	A	V	*
			1422	312	11/11/1998	68.00	1354	A	V	
D-06-08N06CDD1	325617111333301		1419	320	11/6/1984	156.50	1263	A	V	*
			1419	320	11/11/1988	119.60	1299	A	V	*
			1419	320	11/11/1993	91.60	1327	A	V	*
D-06-08N06CDD2	325619111333301	612210	1419	1100	11/11/1993	90.60	1328	A	V	*
D-06-08N06DCD	325614111331201		1421		11/11/1993	90.30	1331	A	V	*
			1421		11/11/1998	69.30	1352	A	V	

GWSI is ADWR's technical database of well locations, construction data, and water levels.

Local ID	Site ID	ADWR Well Registry No.	Well Altitude	Well Depth	Date Measured	Depth to Water	WL Altitude Above Mean Sea Level	Source	Method	Remark
D-06-08N06DDD1	325617111325701		1421	215	5/11/1984			A	*	W
D-06-08N06DDD2	325611111330001	617977	1422	2567	11/6/1984	153.50	1269	A	V	*
			1422	2567	11/11/1988	118.00	1304	A	V	*
			1422	2567	11/11/1993	89.60	1332	A	V	*
D-06-08S05CDC	325522111323901	612205	1431	500	11/6/1984	177.90	1253	A	V	*
			1431	500	11/7/1988	133.60	1297	A	V	*
			1431	500	1/10/1994	103.20	1328	A	V	*
			1431	500	11/11/1998	78.50	1353	A	V	

GWSI is ADWR's technical database of well locations, construction data, and water levels.

APPENDIX D

APPENDIX D

GROUND-WATER QUALITY DATA

(Source: ADWR, 1999)

USGS Water Quality Data - TDS, As, F, and NO3

Description	*Value*
SiteID: 325617111325701 ***55-*** ***Local:*** D-06-08N06DDD ***Date:*** 8/27/1982 9:00:00 AM	
Nitrite plus nitrate, water, filtered, milligrams per liter as nitrogen	14.0
Fluoride, water, filtered, milligrams per liter	.80
Arsenic, water, filtered, micrograms per liter	3.0
Arsenic, water, unfiltered, micrograms per liter	5
Residue, water, filtered, sum of constituents, milligrams per liter	3330
SiteID: 325618111370501 ***55-*** 604184 ***Local:*** D-05-07 34DDD ***Date:*** 8/26/1941	
Nitrate, water, filtered, milligrams per liter as nitrogen	.56
Fluoride, water, filtered, milligrams per liter	.90
Residue, water, filtered, sum of constituents, milligrams per liter	273
SiteID: 325618111370501 ***55-*** 604184 ***Local:*** D-05-07 34DDD ***Date:*** 9/28/1976	
Nitrate, water, filtered, milligrams per liter as nitrogen	3.40
Nitrite plus nitrate, water, filtered, milligrams per liter as nitrogen	3.40
Fluoride, water, filtered, milligrams per liter	.60
Residue on evaporation, dried at 180 degrees Celsius, water, filtered, milligrams per liter	505
Residue, water, filtered, sum of constituents, milligrams per liter	519
SiteID: 325618111373501 ***55-*** ***Local:*** D-05-07 34BDD ***Date:*** 3/19/1964	
Fluoride, water, filtered, milligrams per liter	.70
SiteID: 325618111380801 ***55-*** 609618 ***Local:*** D-05-07 33DDD ***Date:*** 8/31/1976	
Fluoride, water, filtered, milligrams per liter	.60
SiteID: 325628111325401 ***55-*** ***Local:*** D-06-08N05CBC ***Date:*** 9/5/1941	
Nitrate, water, filtered, milligrams per liter as nitrogen	5.90
Fluoride, water, filtered, milligrams per liter	.40
Residue, water, filtered, sum of constituents, milligrams per liter	635
SiteID: 325633111343901 ***55-*** ***Local:*** D-05-07E36CAC ***Date:*** 9/2/1941	
Nitrate, water, filtered, milligrams per liter as nitrogen	.56
Fluoride, water, filtered, milligrams per liter	1.20
Residue, water, filtered, sum of constituents, milligrams per liter	220
SiteID: 325639111341301 ***55-*** ***Local:*** D-05-08 31CDC1 ***Date:*** 9/3/1941	
Nitrate, water, filtered, milligrams per liter as nitrogen	2.10
Fluoride, water, filtered, milligrams per liter	1.90
Residue, water, filtered, sum of constituents, milligrams per liter	647

< - Actual value is known to be less than the value shown.
> - Actual value is known to be greater than the value shown.
A - Average value
E - Estimated value
M - Presence of material verified but not quantified
N - Presumptive evidence of presence of material
S - Most probable value
U - Analyzed for, not detected
V - Value affected by contamination

USGS Water Quality Data - TDS, As, F, and NO3

Description	*Value*
SiteID: 325640111333401 ***55-*** 622430 ***Local:*** D-05-08 31DDD ***Date:*** 9/3/1941	
Nitrate, water, filtered, milligrams per liter as nitrogen	.90
Fluoride, water, filtered, milligrams per liter	2.20
Residue, water, filtered, sum of constituents, milligrams per liter	496
SiteID: 325642111330101 ***55-*** 605699 ***Local:*** D-05-08 32CDD1 ***Date:*** 9/3/1941	
Nitrate, water, filtered, milligrams per liter as nitrogen	.56
Fluoride, water, filtered, milligrams per liter	1.30
Residue, water, filtered, sum of constituents, milligrams per liter	733
SiteID: 325646111352801 ***55-*** ***Local:*** D-05-07W36ACC ***Date:*** 8/27/1976	
Fluoride, water, filtered, milligrams per liter	2.80
SiteID: 325646111372401 ***55-*** 621206 ***Local:*** D-05-07 34ACD ***Date:*** 3/19/1964	
Fluoride, water, filtered, milligrams per liter	5.00
SiteID: 325647111373101 ***55-*** ***Local:*** D-05-07 34ACC ***Date:*** 8/26/1941	
Nitrate, water, filtered, milligrams per liter as nitrogen	1.30
Fluoride, water, filtered, milligrams per liter	.70
Residue, water, filtered, sum of constituents, milligrams per liter	348
SiteID: 325705111331201 ***55-*** 621840 ***Local:*** D-05-08 32BDC ***Date:*** 9/4/1941	
Nitrate, water, filtered, milligrams per liter as nitrogen	2.50
Fluoride, water, filtered, milligrams per liter	1.60
SiteID: 325705111333601 ***55-*** 622431 ***Local:*** D-05-08 31ADD ***Date:*** 9/3/1941	
Nitrate, water, filtered, milligrams per liter as nitrogen	2.50
Fluoride, water, filtered, milligrams per liter	1.30
Residue, water, filtered, sum of constituents, milligrams per liter	791
SiteID: 325706111324201 ***55-*** 621839 ***Local:*** D-05-08 32ACD ***Date:*** 8/27/1976	
Fluoride, water, filtered, milligrams per liter	.80
SiteID: 325706111340701 ***55-*** 622433 ***Local:*** D-05-08 31BDC ***Date:*** 6/21/1949	
Nitrate, water, filtered, milligrams per liter as nitrogen	5.40
Fluoride, water, filtered, milligrams per liter	1.50
Residue, water, filtered, sum of constituents, milligrams per liter	1260

< - Actual value is known to be less than the value shown.
> - Actual value is known to be greater than the value shown.
A - Average value
E - Estimated value
M - Presence of material verified but not quantified
N - Presumptive evidence of presence of material
S - Most probable value
U - Analyzed for, not detected
V - Value affected by contamination

USGS Water Quality Data - TDS, As, F, and NO3

Description	*Value*
SiteID: 325710111343201 ***55-*** ***Local:*** D-05-07E25CDD ***Date:*** 9/3/1941	
Nitrate, water, filtered, milligrams per liter as nitrogen	2.50
Fluoride, water, filtered, milligrams per liter	.90
Residue, water, filtered, sum of constituents, milligrams per liter	693
SiteID: 325710111350701 ***55-*** ***Local:*** D-05-07W25DDD ***Date:*** 9/10/1941	
Nitrate, water, filtered, milligrams per liter as nitrogen	.95
Fluoride, water, filtered, milligrams per liter	1.20
Residue, water, filtered, sum of constituents, milligrams per liter	337
SiteID: 325711111363801 ***55-*** 622466 ***Local:*** D-05-07 26CDD ***Date:*** 8/27/1976	
Fluoride, water, filtered, milligrams per liter	.70
SiteID: 325711111373101 ***55-*** ***Local:*** D-05-07 27DCC1 ***Date:*** 8/31/1982 11:00:00 AM	
Nitrite plus nitrate, water, filtered, milligrams per liter as nitrogen	7.80
Fluoride, water, filtered, milligrams per liter	.30
Residue, water, filtered, sum of constituents, milligrams per liter	1150
SiteID: 325713111373201 ***55-*** ***Local:*** D-05-07 27DCC2 ***Date:*** 8/27/1941	
Fluoride, water, filtered, milligrams per liter	1.50
Residue, water, filtered, sum of constituents, milligrams per liter	767
SiteID: 325713111373201 ***55-*** ***Local:*** D-05-07 27DCC2 ***Date:*** 6/21/1949	
Nitrate, water, filtered, milligrams per liter as nitrogen	2.50
Fluoride, water, filtered, milligrams per liter	.30
Residue, water, filtered, sum of constituents, milligrams per liter	528
SiteID: 325713111373201 ***55-*** ***Local:*** D-05-07 27DCC2 ***Date:*** 8/17/1950	
Nitrate, water, filtered, milligrams per liter as nitrogen	6.60
Fluoride, water, filtered, milligrams per liter	.30
Residue, water, filtered, sum of constituents, milligrams per liter	1480
SiteID: 325713111373201 ***55-*** ***Local:*** D-05-07 27DCC2 ***Date:*** 8/31/1982 10:20:00 AM	
Nitrite plus nitrate, water, filtered, milligrams per liter as nitrogen	1.40
Fluoride, water, filtered, milligrams per liter	3.30
Residue, water, filtered, sum of constituents, milligrams per liter	498

< - Actual value is known to be less than the value shown.
> - Actual value is known to be greater than the value shown.
A - Average value
E - Estimated value
M - Presence of material verified but not quantified
N - Presumptive evidence of presence of material
S - Most probable value
U - Analyzed for, not detected
V - Value affected by contamination

USGS Water Quality Data - TDS, As, F, and NO3

Description	*Value*
SiteID: 325731111340201 ***55-*** ***Local:*** D-05-08 30CDC ***Date:*** 9/3/1941	
Nitrate, water, filtered, milligrams per liter as nitrogen	8.80
Fluoride, water, filtered, milligrams per liter	1.80
Residue, water, filtered, sum of constituents, milligrams per liter	1070
SiteID: 325732111334301 ***55-*** ***Local:*** D-05-08 30DCD1 ***Date:*** 9/3/1941	
Nitrate, water, filtered, milligrams per liter as nitrogen	2.30
Fluoride, water, filtered, milligrams per liter	1.90
Residue, water, filtered, sum of constituents, milligrams per liter	794
SiteID: 325746111363801 ***55-*** 800215 ***Local:*** D-05-07 26BDA1 ***Date:*** 8/27/1941	
Fluoride, water, filtered, milligrams per liter	1.10
Residue, water, filtered, sum of constituents, milligrams per liter	513
SiteID: 325758111341301 ***55-*** ***Local:*** D-05-08 30BDC1 ***Date:*** 9/3/1941	
Nitrate, water, filtered, milligrams per liter as nitrogen	3.80
Fluoride, water, filtered, milligrams per liter	1.10
Residue, water, filtered, sum of constituents, milligrams per liter	1710
SiteID: 325812111353601 ***55-*** ***Local:*** D-05-07W24CDA ***Date:*** 8/7/1985 8:15:00 AM	
Nitrite plus nitrate, water, filtered, milligrams per liter as nitrogen	1.20
Fluoride, water, filtered, milligrams per liter	3.9
Arsenic, water, filtered, micrograms per liter	22
SiteID: 325823111342701 ***55-*** ***Local:*** D-05-08 19CCC1 ***Date:*** 9/1/1941	
Nitrate, water, filtered, milligrams per liter as nitrogen	4.10
Fluoride, water, filtered, milligrams per liter	.80
Residue, water, filtered, sum of constituents, milligrams per liter	1510
SiteID: 325823111360601 ***55-*** 612158 ***Local:*** D-05-07 23DAA ***Date:*** 8/30/1982 1:55:00 PM	
Nitrite plus nitrate, water, filtered, milligrams per liter as nitrogen	17.0
Fluoride, water, filtered, milligrams per liter	1.00
Residue, water, filtered, sum of constituents, milligrams per liter	3720
SiteID: 325828111350201 ***55-*** 621823 ***Local:*** D-05-07W24ADD ***Date:*** 9/11/1941	
Fluoride, water, filtered, milligrams per liter	1.00
Residue, water, filtered, sum of constituents, milligrams per liter	1470

< - Actual value is known to be less than the value shown.
> - Actual value is known to be greater than the value shown.
A - Average value
E - Estimated value
M - Presence of material verified but not quantified
N - Presumptive evidence of presence of material
S - Most probable value
U - Analyzed for, not detected
V - Value affected by contamination

USGS Water Quality Data - TDS, As, F, and NO3

Description	*Value*
SiteID: 325848111332802 ***55-*** ***Local:*** D-05-08 19DAA1 ***Date:*** 9/2/1941	
Fluoride, water, filtered, milligrams per liter	3.00
Residue, water, filtered, sum of constituents, milligrams per liter	4770
SiteID: 325853111330101 ***55-*** 612842 ***Local:*** D-05-08 20BDD ***Date:*** 9/4/1941	
Nitrate, water, filtered, milligrams per liter as nitrogen	12.0
Fluoride, water, filtered, milligrams per liter	2.40
Residue, water, filtered, sum of constituents, milligrams per liter	4750
SiteID: 325853111332901 ***55-*** 604710 ***Local:*** D-05-08 19ADD1 ***Date:*** 9/2/1941	
Nitrate, water, filtered, milligrams per liter as nitrogen	.90
Fluoride, water, filtered, milligrams per liter	1.40
Residue, water, filtered, sum of constituents, milligrams per liter	553
SiteID: 325915111334401 ***55-*** 604708 ***Local:*** D-05-08 19ABA ***Date:*** 8/30/1982 12:45:00 PM	
Nitrite plus nitrate, water, filtered, milligrams per liter as nitrogen	2.70
Fluoride, water, filtered, milligrams per liter	4.30
Residue, water, filtered, sum of constituents, milligrams per liter	534
SiteID: 325915111334401 ***55-*** 604708 ***Local:*** D-05-08 19ABA ***Date:*** 6/27/1989 11:00:00 AM	
Nitrite plus nitrate, water, filtered, milligrams per liter as nitrogen	2.60
Fluoride, water, filtered, milligrams per liter	4.2
Arsenic, water, filtered, micrograms per liter	27
SiteID: 325923111375801 ***55-*** ***Local:*** D-05-07 15BCD ***Date:*** 9/24/1941	
Nitrate, water, filtered, milligrams per liter as nitrogen	1.10
Fluoride, water, filtered, milligrams per liter	.30
Residue, water, filtered, sum of constituents, milligrams per liter	609
SiteID: 325930111343501 ***55-*** ***Local:*** D-05-07W13ADA ***Date:*** 9/24/1941	
Fluoride, water, filtered, milligrams per liter	.70
Residue, water, filtered, sum of constituents, milligrams per liter	2880
SiteID: 325959111343201 ***55-*** 604704 ***Local:*** D-05-07E12CAD ***Date:*** 9/1/1941	
Nitrate, water, filtered, milligrams per liter as nitrogen	9.30
Fluoride, water, filtered, milligrams per liter	1.30
Residue, water, filtered, sum of constituents, milligrams per liter	1830

< - Actual value is known to be less than the value shown.
> - Actual value is known to be greater than the value shown.
A - Average value
E - Estimated value
M - Presence of material verified but not quantified
N - Presumptive evidence of presence of material
S - Most probable value
U - Analyzed for, not detected
V - Value affected by contamination

USGS Water Quality Data - TDS, As, F, and NO3

Description	*Value*
SiteID: 330005111332401 ***55-*** ***Local:*** D-05-08 17BAA2 ***Date:*** 8/30/1982 10:20:00 AM	
Nitrite plus nitrate, water, filtered, milligrams per liter as nitrogen	6.20
Fluoride, water, filtered, milligrams per liter	.90
Residue, water, filtered, sum of constituents, milligrams per liter	1100
SiteID: 330008111332501 ***55-*** ***Local:*** D-05-08 17BBB1 ***Date:*** 9/24/1941	
Nitrate, water, filtered, milligrams per liter as nitrogen	1.90
Fluoride, water, filtered, milligrams per liter	1.60
Residue, water, filtered, sum of constituents, milligrams per liter	836
SiteID: 330013111380601 ***55-*** ***Local:*** D-05-07 09DDA ***Date:*** 9/27/1976	
Fluoride, water, filtered, milligrams per liter	.50
SiteID: 330035111353701 ***55-*** ***Local:*** D-05-07E12BBB ***Date:*** 1/10/1957	
Nitrate, water, filtered, milligrams per liter as nitrogen	.61
Fluoride, water, filtered, milligrams per liter	1.40
Residue on evaporation, dried at 180 degrees Celsius, water, filtered, milligrams per liter	1600
Residue, water, filtered, sum of constituents, milligrams per liter	1600
SiteID: 330035111353701 ***55-*** ***Local:*** D-05-07E12BBB ***Date:*** 1/10/1957 12:01:00 PM	
Nitrate, water, filtered, milligrams per liter as nitrogen	.43
Fluoride, water, filtered, milligrams per liter	1.20
Residue on evaporation, dried at 180 degrees Celsius, water, filtered, milligrams per liter	1590
Residue, water, filtered, sum of constituents, milligrams per liter	1560
SiteID: 330040111381401 ***55-*** ***Local:*** D-05-07 09ADB ***Date:*** 1/12/1957	
Nitrate, water, filtered, milligrams per liter as nitrogen	.99
Fluoride, water, filtered, milligrams per liter	1.00
Residue on evaporation, dried at 180 degrees Celsius, water, filtered, milligrams per liter	290
Residue, water, filtered, sum of constituents, milligrams per liter	290
SiteID: 330040111381401 ***55-*** ***Local:*** D-05-07 09ADB ***Date:*** 1/12/1957 12:01:00 PM	
Fluoride, water, filtered, milligrams per liter	1.00
Residue on evaporation, dried at 180 degrees Celsius, water, filtered, milligrams per liter	290
Residue, water, filtered, sum of constituents, milligrams per liter	286

< - Actual value is known to be less than the value shown.
> - Actual value is known to be greater than the value shown.
A - Average value
E - Estimated value
M - Presence of material verified but not quantified
N - Presumptive evidence of presence of material
S - Most probable value
U - Analyzed for, not detected
V - Value affected by contamination

USGS Water Quality Data - TDS, As, F, and NO3

Description	*Value*
SiteID: 330043111380601 ***55-*** ***Local:*** D-05-07 09AAA ***Date:*** 1/12/1957	
Nitrate, water, filtered, milligrams per liter as nitrogen	2.50
Fluoride, water, filtered, milligrams per liter	4.80
Residue on evaporation, dried at 180 degrees Celsius, water, filtered, milligrams per liter	890
Residue, water, filtered, sum of constituents, milligrams per liter	861

< - Actual value is known to be less than the value shown.
> - Actual value is known to be greater than the value shown.
A - Average value
E - Estimated value
M - Presence of material verified but not quantified
N - Presumptive evidence of presence of material
S - Most probable value
U - Analyzed for, not detected
V - Value affected by contamination

Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Wednesday, February 11, 2004

Stephen Noel
Southwest Ground-Water Consultants, Inc.
3900 East Camelback Road, Suite 200
Phoenix, AZ 85018-2636

TEL: (602) 955-5547
FAX (602) 955-7585

RE: Sundance Farms/B.793

Order No.: 04011419

Dear Stephen Noel:

Aerotech Environmental received 1 sample(s) on 1/29/2004 for the analyses presented in the following report.

This report includes the following information:
- Case Narrative.
- Analytical Report: includes test results, report limit (Limit), any applicable data qualifier (Qual), units, dilution factor (DF), and date analyzed.
- QC Summary Report.

This communication is intended only for the individual or entity to whom it is directed. It may contain information that is privileged, confidential, or otherwise exempt from disclosure under applicable law. Dissemination, distribution, or copying of this communication by anyone other than the intended recipient, or a duly designated employee or agent of such recipient, is prohibited. If you have received this communication in error, please notify us immediately and destroy this message and all attachments thereto. If you have any questions regarding these test results, please do not hesitate to call.

Sincerely,

Lucas Menendez

Lucas Menendez
Project Manager

Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental **Date:** *16-Feb-04*

CLIENT: Southwest Ground-Water Consultants, Inc.
Project: Sundance Farms/B.793
Lab Order: 04011419

CASE NARRATIVE

Samples were analyzed using methods outlined in references such as:

Standard Methods for the Examination of Water and Wastewater, 19th Edition, 1995.

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

40 CFR, Part 136, Revised 1995. Appendix A to Part 136 - Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater.

NIOSH Manual of Analytical Methods, Fourth Edition, 1994.

Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.

Aerotech Environmental Laboratories (AEL) holds Arizona certification no. AZ0610 and AEL-Tucson holds Arizona certification no. AZ0609.

Aerotech Laboratories, Inc. (AEL division - Laboratory ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation. AEL participates in the AIHA Environmental Lead Proficiency Analytical Testing (ELPAT) program for lead in soil, paint chips and dust wipes.

Analytical Comments:

All method blanks and laboratory control spikes met EPA method and/or laboratory quality control objectives for the analyses included in this report.

Data Qualifiers:

Listed below are the data qualifiers used in your analytical report to explain any analytical or quality control issues. You will find them noted in your report under the column header "QUAL". Any quality control deficiencies that cannot be adequately described by these qualifiers will be addressed in the analytical comments section of this case narrative.

D2 Sample required dilution due to high concentration of target analyte.
M6 Matrix spike recovery was high. Data reported per ADEQ policy 0154.000.
M7 Matrix spike recovery was low. Data reported per ADEQ policy 0154.000.

Main Laboratory: 4645 E. Cotton Center Boulevard, Building 3, Suite 189 Phoenix, AZ 85040 Phone: 602.437.3340 Toll Free: 866.772.5227 Fax. 623.445.6192 www.aeroenvirolabs.com
Tucson Facility: 4455 S. Park Ave. Ste. 110 Tucson, AZ 85714 Phone: 520.807.3801 Fax: 520.807.3803
Corporate Address: 1501 W. Knudsen Drive, Phoenix, Arizona 85027 Phone: 623.780.4800 Toll Free: 800.651.4802 Fax: 623.780.7695 www.aerotechlabs.com

Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental Analytical Report

Date: *16-Feb-04*

CLIENT:	Southwest Ground-Water Consultants, Inc.	**Client Sample ID:**	Sundance Farms
Lab Order:	04011419	**Tag Number:**	
Project:	Sundance Farms/B.793	**Collection Date:**	1/28/2004 9:10:00 AM
Lab ID:	04011419-01A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY		**E300**				Analyst: **LB**
Chloride	180	20	D2	mg/L	10	1/30/2004 9:30:00 PM
Fluoride	6.0	0.40		mg/L	1	1/29/2004 9:51:00 PM
Nitrogen, Nitrate (As N)	2.4	0.20		mg/L	1	1/29/2004 9:51:00 PM
Sulfate	100	20	D2	mg/L	10	1/30/2004 9:30:00 PM
ALKALINITY		**M2320 B**				Analyst: **L M**
Alkalinity, Bicarbonate (As CaCO3)	48	2.0		mg/L CaCO3	1	2/2/2004 10:50:00 AM
Alkalinity, Carbonate (As CaCO3)	8.0	2.0		mg/L CaCO3	1	2/2/2004 10:50:00 AM
Alkalinity, Hydroxide (As CaCO3)	< 2.0	2.0		mg/L CaCO3	1	2/2/2004 10:50:00 AM
Alkalinity, Total (As CaCO3)	56	6.0		mg/L CaCO3	1	2/2/2004 10:50:00 AM
RESIDUE, FILTERABLE		**M2540 C**				Analyst: **AC**
Total Dissolved Solids	550	10		mg/L	1	1/29/2004

Footnotes: All analysis performed at AEL Phoenix laboratory unless indicated by footnotes.
(1) AEL - Tucson Laboratory
(2) AEL - Knudsen Laboratory

Main Laboratory: 4645 E. Cotton Center Boulevard, Building 3, Suite 189 Phoenix, AZ 85040 Phone: 602.437.3340 Toll Free: 866.772.5227 Fax. 623.445.6192 www.aeroenvirolabs.com
Tucson Facility: 4455 S. Park Ave. Ste. 110 Tucson, AZ 85714 Phone: 520.807.3801 Fax: 520.807.3803
Corporate Address: 1501 W. Knudsen Drive, Phoenix, Arizona 85027 Phone: 623.780.4800 Toll Free: 800.651.4802 Fax: 623.780.7695 www.aerotechlabs.com

Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental Analytical Report

Date: *16-Feb-04*

CLIENT:	Southwest Ground-Water Consultants, Inc.	**Client Sample ID:**	Sundance Farms
Lab Order:	04011419	**Tag Number:**	
Project:	Sundance Farms/B.793	**Collection Date:**	1/28/2004 9:10:00 AM
Lab ID:	04011419-01B	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL RECOVERABLE		**E200.7**				Analyst: **TD**
Calcium	12	2.0		mg/L	1	2/2/2004
Chromium	< 0.010	0.010		mg/L	1	2/2/2004
Magnesium	< 2.0	2.0		mg/L	1	2/2/2004
Potassium	2.9	2.0		mg/L	1	2/2/2004
Sodium	200	20	D2	mg/L	10	2/6/2004
ICP/MS METALS, TOTAL RECOVERABLE		**E200.8**				Analyst: **HK**
Arsenic	0.039	0.0010		mg/L	1	2/2/2004 4:13:50 PM

Footnotes: All analysis performed at AEL Phoenix laboratory unless indicated by footnotes.
(1) AEL - Tucson Laboratory
(2) AEL - Knudsen Laboratory

Main Laboratory: 4645 E. Cotton Center Boulevard, Building 3, Suite 189 Phoenix, AZ 85040 Phone: 602.437.3340 Toll Free: 866.772.5227 Fax. 623.445.6192 www.aeroenvirolabs.com
Tucson Facility: 4455 S. Park Ave. Ste. 110 Tucson, AZ 85714 Phone: 520.807.3801 Fax: 520.807.3803
Corporate Address: 1501 W. Knudsen Drive, Phoenix, Arizona 85027 Phone: 623.780.4800 Toll Free: 800.651.4802 Fax: 623.780.7695 www.aerotechlabs.com

Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

Aerotech Environmental

CLIENT: Southwest Ground-Water Consultants, Inc.
Work Order: 04011419
Project: Sundance Farms/B.793

Date: *11-Feb-04*

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.7

Sample ID **MB-16297** | SampType: **MBLK** | TestCode: **200.7** | Units: **mg/L** | Prep Date: **1/30/2004** | RunNo: **43621**
Client ID: | Batch ID: **16297** | TestNo: **E200.7** | Analysis Date: **2/2/2004** | SeqNo: **516604**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	< 2.0	2.0									
Chromium	< 0.010	0.010									
Magnesium	< 2.0	2.0									
Potassium	< 2.0	2.0									
Sodium	< 2.0	2.0									

Sample ID **LCS-16297** | SampType: **LCS** | TestCode: **200.7** | Units: **mg/L** | Prep Date: **1/30/2004** | RunNo: **43621**
Client ID: | Batch ID: **16297** | TestNo: **E200.7** | Analysis Date: **2/2/2004** | SeqNo: **516600**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	10.60	2.0	10.5	0	101	85	115				
Chromium	0.5350	0.010	0.5	0	107	85	115				
Magnesium	10.70	2.0	10.5	0	102	85	115				
Potassium	11.10	2.0	10	0	111	85	115				
Sodium	10.10	2.0	10	0	101	85	115				

Sample ID **LCSD-16297** | SampType: **LCSD** | TestCode: **200.7** | Units: **mg/L** | Prep Date: **1/30/2004** | RunNo: **43621**
Client ID: | Batch ID: **16297** | TestNo: **E200.7** | Analysis Date: **2/2/2004** | SeqNo: **516602**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	10.60	2.0	10.5	0	101	85	115	10.60	0	20	
Chromium	0.5290	0.010	0.5	0	106	85	115	0.5350	1.13	20	
Magnesium	10.60	2.0	10.5	0	101	85	115	10.70	0.939	20	
Potassium	11.10	2.0	10	0	111	85	115	11.10	0	20	
Sodium	10.10	2.0	10	0	101	85	115	10.10	0	20	

Qualifiers:
- E Value above quantitation range
- ND Not Detected at the Reporting Limit
- H Holding times for preparation or analysis exceeded
- R RPD outside accepted recovery limits
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Main Laboratory: 4645 E. Cotton Center Boulevard, Building 3, Suite 189 Phoenix, AZ 85040 Phone: 602.437.3340 Toll Free: 866.772.5227 Fax. 623.445.6192 www.aeroenvirolabs.com
Tucson Facility: 4455 S. Park Ave. Ste. 110 Tucson, AZ 85714 Phone: 520.807.3801 Fax: 520.807.3803
Corporate Address: 1501 W. Knudsen Drive, Phoenix, Arizona 85027 Phone: 623.780.4800 Toll Free: 800.651.4802 Fax: 623.780.7695 www.aerotechlabs.com

Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT: Southwest Ground-Water Consultants, Inc.
Work Order: 04011419
Project: Sundance Farms/B.793

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.7

Sample ID **04011362-01B MS** SampType: **MS** TestCode: **200.7** Units: **mg/L** Prep Date: **1/30/2004** RunNo: **43621**
Client ID: Batch ID: **16297** TestNo: **E200.7** Analysis Date: **2/2/2004** SeqNo: **516580**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	19.50	2.0	10.5	8.960	100	70	130				
Chromium	0.5430	0.010	0.5	0	109	70	130				
Magnesium	13.20	2.0	10.5	2.410	103	70	130				
Potassium	16.90	2.0	10	2.200	147	70	130				M6
Sodium	108.0	2.0	10	92.90	151	70	130				M6

Sample ID **04011486-01B MS** SampType: **MS** TestCode: **200.7** Units: **mg/L** Prep Date: **1/30/2004** RunNo: **43621**
Client ID: Batch ID: **16297** TestNo: **E200.7** Analysis Date: **2/2/2004** SeqNo: **516591**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	23.70	2.0	10.5	13.40	98.1	70	130				
Chromium	0.5500	0.010	0.5	0.01360	107	70	130				
Magnesium	11.70	2.0	10.5	0	111	70	130				
Potassium	24.10	2.0	10	8.630	155	70	130				M6
Sodium	197.0	2.0	10	183.0	140	70	130				M6

Sample ID **04011362-01B MSD** SampType: **MSD** TestCode: **200.7** Units: **mg/L** Prep Date: **1/30/2004** RunNo: **43621**
Client ID: Batch ID: **16297** TestNo: **E200.7** Analysis Date: **2/2/2004** SeqNo: **516581**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	19.50	2.0	10.5	8.960	100	70	130	19.50	0	20	
Chromium	0.5400	0.010	0.5	0	108	70	130	0.5430	0.554	20	
Magnesium	13.20	2.0	10.5	2.410	103	70	130	13.20	0	20	
Potassium	16.60	2.0	10	2.200	144	70	130	16.90	1.79	20	M6
Sodium	109.0	2.0	10	92.90	161	70	130	108.0	0.922	20	M6

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

Main Laboratory: 4645 E. Cotton Center Boulevard, Building 3, Suite 189 Phoenix, AZ 85040 Phone: 602.437.3340 Toll Free: 866.772.5227 Fax. 623.445.6192 www.aeroenvirolabs.com
Tucson Facility: 4455 S. Park Ave. Ste. 110 Tucson, AZ 85714 Phone: 520.807.3801 Fax: 520.807.3803
Corporate Address: 1501 W. Knudsen Drive, Phoenix, Arizona 85027 Phone: 623.780.4800 Toll Free: 800.651.4802 Fax: 623.780.7695 www.aerotechlabs.com

CLIENT: Southwest Ground-Water Consultants, Inc.
Work Order: 04011419
Project: Sundance Farms/B.793

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.7

Sample ID **04011486-01B MSD** SampType: **MSD** TestCode: **200.7** Units: **mg/L** Prep Date: **1/30/2004** RunNo: **43621**
Client ID: Batch ID: **16297** TestNo: **E200.7** Analysis Date: **2/2/2004** SeqNo: **516592**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	23.90	2.0	10.5	13.40	100	70	130	23.70	0.840	20	
Chromium	0.5410	0.010	0.5	0.01360	105	70	130	0.5500	1.65	20	
Magnesium	11.70	2.0	10.5	0	111	70	130	11.70	0	20	
Potassium	24.20	2.0	10	8.630	156	70	130	24.10	0.414	20	M6
Sodium	192.0	2.0	10	183.0	90.0	70	130	197.0	2.57	20	

Qualifiers:
- E Value above quantitation range
- ND Not Detected at the Reporting Limit
- H Holding times for preparation or analysis exceeded
- R RPD outside accepted recovery limits
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Main Laboratory: 4645 E. Cotton Center Boulevard, Building 3, Suite 189 Phoenix, AZ 85040 Phone: 602.437.3340 Toll Free: 866.772.5227 Fax. 623.445.6192 www.aeroenvirolabs.com
Tucson Facility: 4455 S. Park Ave. Ste. 110 Tucson, AZ 85714 Phone: 520.807.3801 Fax: 520.807.3803
Corporate Address: 1501 W. Knudsen Drive, Phoenix, Arizona 85027 Phone: 623.780.4800 Toll Free: 800.651.4802 Fax: 623.780.7695 www.aerotechlabs.com

Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

CLIENT: Southwest Ground-Water Consultants, Inc.
Work Order: 04011419
Project: Sundance Farms/B.793

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.8

Sample ID	SampType	TestCode	Units	Prep Date	RunNo
MB-16296	MBLK	200.8	mg/L	1/30/2004	43608
Client ID:	Batch ID: 16296	TestNo: E200.8		Analysis Date: 2/2/2004	SeqNo: 516460

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0010	0.0010									

Sample ID	SampType	TestCode	Units	Prep Date	RunNo
LCS-16296	LCS	200.8	mg/L	1/30/2004	43608
Client ID:	Batch ID: 16296	TestNo: E200.8		Analysis Date: 2/2/2004	SeqNo: 516458

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.05047	0.0010	0.05	0	101	85	115				

Sample ID	SampType	TestCode	Units	Prep Date	RunNo
LCSD-16296	LCSD	200.8	mg/L	1/30/2004	43608
Client ID:	Batch ID: 16296	TestNo: E200.8		Analysis Date: 2/2/2004	SeqNo: 516459

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.05131	0.0010	0.05	0	103	85	115	0.05047	1.65	20	

Sample ID	SampType	TestCode	Units	Prep Date	RunNo
04011380-06B MS	MS	200.8	mg/L	1/30/2004	43608
Client ID:	Batch ID: 16296	TestNo: E200.8		Analysis Date: 2/2/2004	SeqNo: 516447

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.07800	0.0010	0.05	0.02456	107	70	130				

Sample ID	SampType	TestCode	Units	Prep Date	RunNo
04011380-06B MSD	MSD	200.8	mg/L	1/30/2004	43608
Client ID:	Batch ID: 16296	TestNo: E200.8		Analysis Date: 2/2/2004	SeqNo: 516448

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.07820	0.0010	0.05	0.02456	107	70	130	0.07800	0.256	20	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

Main Laboratory: 4645 E. Cotton Center Boulevard, Building 3, Suite 189 Phoenix, AZ 85040 Phone: 602.437.3340 Toll Free: 866.772.5227 Fax. 623.445.6192 www.aeroenvirolabs.com
Tucson Facility: 4455 S. Park Ave. Ste. 110 Tucson, AZ 85714 Phone: 520.807.3801 Fax: 520.807.3803
Corporate Address: 1501 W. Knudsen Drive, Phoenix, Arizona 85027 Phone: 623.780.4800 Toll Free: 800.651.4802 Fax: 623.780.7695 www.aerotechlabs.com

CLIENT: Southwest Ground-Water Consultants, Inc.
Work Order: 04011419
Project: Sundance Farms/B.793

ANALYTICAL QC SUMMARY REPORT

TestCode: 300_W

Sample ID **MB-R43549** SampType: **MBLK** TestCode: **300_W** Units: **mg/L** Prep Date: RunNo: **43549**
Client ID: Batch ID: **R43549** TestNo: **E300** Analysis Date: **1/29/2004** SeqNo: **515785**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoride	< 0.40	0.40									
Nitrogen, Nitrate (As N)	< 0.20	0.20									

Sample ID **MB-R43602** SampType: **MBLK** TestCode: **300_W** Units: **mg/L** Prep Date: RunNo: **43602**
Client ID: Batch ID: **R43602** TestNo: **E300** Analysis Date: **1/30/2004** SeqNo: **516364**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	< 2.0	2.0									
Sulfate	< 2.0	2.0									

Sample ID **LCS-R43549** SampType: **LCS** TestCode: **300_W** Units: **mg/L** Prep Date: RunNo: **43549**
Client ID: Batch ID: **R43549** TestNo: **E300** Analysis Date: **1/29/2004** SeqNo: **515786**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoride	1.880	0.40	2	0	94.0	90	110				
Nitrogen, Nitrate (As N)	1.950	0.20	2	0	97.5	90	110				

Sample ID **LCS-R43602** SampType: **LCS** TestCode: **300_W** Units: **mg/L** Prep Date: RunNo: **43602**
Client ID: Batch ID: **R43602** TestNo: **E300** Analysis Date: **1/30/2004** SeqNo: **516365**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	9.110	2.0	10	0	91.1	90	110				
Sulfate	10.08	2.0	10	0	101	90	110				

Sample ID **LCSD-R43549** SampType: **LCSD** TestCode: **300_W** Units: **mg/L** Prep Date: RunNo: **43549**
Client ID: Batch ID: **R43549** TestNo: **E300** Analysis Date: **1/29/2004** SeqNo: **515799**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
- E Value above quantitation range
- ND Not Detected at the Reporting Limit
- H Holding times for preparation or analysis exceeded
- R RPD outside accepted recovery limits
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Main Laboratory: 4645 E. Cotton Center Boulevard, Building 3, Suite 189 Phoenix, AZ 85040 Phone: 602.437.3340 Toll Free: 866.772.5227 Fax. 623.445.6192 www.aeroenvirolabs.com
Tucson Facility: 4455 S. Park Ave. Ste. 110 Tucson, AZ 85714 Phone: 520.807.3801 Fax: 520.807.3803
Corporate Address: 1501 W. Knudsen Drive, Phoenix, Arizona 85027 Phone: 623.780.4800 Toll Free: 800.651.4802 Fax: 623.780.7695 www.aerotechlabs.com

CLIENT: Southwest Ground-Water Consultants, Inc.
Work Order: 04011419
Project: Sundance Farms/B.793

ANALYTICAL QC SUMMARY REPORT

TestCode: 300_W

Sample ID **LCSD-R43549** SampType: **LCSD** TestCode: **300_W** Units: **mg/L** Prep Date: RunNo: **43549**
Client ID: Batch ID: **R43549** TestNo: **E300** Analysis Date: **1/29/2004** SeqNo: **515799**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoride	1.910	0.40	2	0	95.5	90	110	1.880	1.58	20	
Nitrogen, Nitrate (As N)	1.990	0.20	2	0	99.5	90	110	1.950	2.03	20	

Sample ID **LCSD-R43602** SampType: **LCSD** TestCode: **300_W** Units: **mg/L** Prep Date: RunNo: **43602**
Client ID: Batch ID: **R43602** TestNo: **E300** Analysis Date: **1/30/2004** SeqNo: **516377**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	9.070	2.0	10	0	90.7	90	110	9.110	0.440	20	
Sulfate	9.840	2.0	10	0	98.4	90	110	10.08	2.41	20	

Sample ID **04010197-01AMS** SampType: **MS** TestCode: **300_W** Units: **mg/L** Prep Date: RunNo: **43549**
Client ID: Batch ID: **R43549** TestNo: **E300** Analysis Date: **1/29/2004** SeqNo: **515790**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoride	2.170	0.40	2	0.4100	88.0	80	120				
Nitrogen, Nitrate (As N)	2.220	0.20	2	0.6800	77.0	80	120				M7

Sample ID **04011173-01AMS** SampType: **MS** TestCode: **300_W** Units: **mg/L** Prep Date: RunNo: **43602**
Client ID: Batch ID: **R43602** TestNo: **E300** Analysis Date: **1/30/2004** SeqNo: **516369**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	421.8	20	100	297.1	125	80	120				
Sulfate	406.9	20	100	304.5	102	80	120				M6

Sample ID **04010197-01ADUP** SampType: **DUP** TestCode: **300_W** Units: **mg/L** Prep Date: RunNo: **43549**
Client ID: Batch ID: **R43549** TestNo: **E300** Analysis Date: **1/29/2004** SeqNo: **515789**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
- E Value above quantitation range
- ND Not Detected at the Reporting Limit
- H Holding times for preparation or analysis exceeded
- R RPD outside accepted recovery limits
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Main Laboratory: 4645 E. Cotton Center Boulevard, Building 3, Suite 189 Phoenix, AZ 85040 Phone: 602.437.3340 Toll Free: 866.772.5227 Fax. 623.445.6192 www.aeroenvirolabs.com
Tucson Facility: 4455 S. Park Ave. Ste. 110 Tucson, AZ 85714 Phone: 520.807.3801 Fax: 520.807.3803
Corporate Address: 1501 W. Knudsen Drive, Phoenix, Arizona 85027 Phone: 623.780.4800 Toll Free: 800.651.4802 Fax: 623.780.7695 www.aerotechlabs.com

CLIENT: Southwest Ground-Water Consultants, Inc.
Work Order: 04011419
Project: Sundance Farms/B.793

ANALYTICAL QC SUMMARY REPORT

TestCode: 300_W

Sample ID **04010197-01ADUP** SampType: **DUP** TestCode: **300_W** Units: **mg/L** Prep Date: RunNo: **43549**
Client ID: Batch ID: **R43549** TestNo: **E300** Analysis Date: **1/29/2004** SeqNo: **515789**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoride	0.4400	0.40						0.4100	7.06	20	
Nitrogen, Nitrate (As N)	0.6800	0.20						0.6800	0	20	

Sample ID **04011173-01ADUP** SampType: **DUP** TestCode: **300_W** Units: **mg/L** Prep Date: RunNo: **43602**
Client ID: Batch ID: **R43602** TestNo: **E300** Analysis Date: **1/30/2004** SeqNo: **516368**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	294.6	20						297.1	0.845	20	
Sulfate	301.7	20						304.5	0.924	20	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

Main Laboratory: 4645 E. Cotton Center Boulevard, Building 3, Suite 189 Phoenix, AZ 85040 Phone: 602.437.3340 Toll Free: 866.772.5227 Fax. 623.445.6192 www.aeroenvirolabs.com
Tucson Facility: 4455 S. Park Ave. Ste. 110 Tucson, AZ 85714 Phone: 520.807.3801 Fax: 520.807.3803
Corporate Address: 1501 W. Knudsen Drive, Phoenix, Arizona 85027 Phone: 623.780.4800 Toll Free: 800.651.4802 Fax: 623.780.7695 www.aerotechlabs.com

CLIENT: Southwest Ground-Water Consultants, Inc.
Work Order: 04011419
Project: Sundance Farms/B.793

ANALYTICAL QC SUMMARY REPORT

TestCode: ALKALINITY

Sample ID **MB-R43597** SampType: **MBLK** TestCode: **ALKALINITY** Units: **mg/L CaCO3** Prep Date: RunNo: **43597**
Client ID: Batch ID: **R43597** TestNo: **M2320 B** Analysis Date: **2/2/2004** SeqNo: **516251**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	< 2.0	2.0									
Alkalinity, Carbonate (As CaCO3)	< 2.0	2.0									
Alkalinity, Hydroxide (As CaCO3)	< 2.0	2.0									
Alkalinity, Total (As CaCO3)	< 6.0	6.0									

Sample ID **MBLK-R43597** SampType: **MBLK** TestCode: **ALKALINITY** Units: **mg/L CaCO3** Prep Date: RunNo: **43597**
Client ID: Batch ID: **R43597** TestNo: **M2320 B** Analysis Date: **2/2/2004** SeqNo: **516272**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	< 2.0	2.0									
Alkalinity, Carbonate (As CaCO3)	< 2.0	2.0									
Alkalinity, Hydroxide (As CaCO3)	< 2.0	2.0									
Alkalinity, Total (As CaCO3)	< 6.0	6.0									

Sample ID **LCS-R43597** SampType: **LCS** TestCode: **ALKALINITY** Units: **mg/L CaCO3** Prep Date: RunNo: **43597**
Client ID: Batch ID: **R43597** TestNo: **M2320 B** Analysis Date: **2/2/2004** SeqNo: **516252**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total (As CaCO3)	246.0	6.0	250	0	98.4	90	110				

Sample ID **LCS-R43597** SampType: **LCS** TestCode: **ALKALINITY** Units: **mg/L CaCO3** Prep Date: RunNo: **43597**
Client ID: Batch ID: **R43597** TestNo: **M2320 B** Analysis Date: **2/2/2004** SeqNo: **516273**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total (As CaCO3)	252.0	6.0	250	0	101	90	110				

Qualifiers:
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Main Laboratory: 4645 E. Cotton Center Boulevard, Building 3, Suite 189 Phoenix, AZ 85040 Phone: 602.437.3340 Toll Free: 866.772.5227 Fax. 623.445.6192 www.aeroenvirolabs.com
Tucson Facility: 4455 S. Park Ave. Ste. 110 Tucson, AZ 85714 Phone: 520.807.3801 Fax: 520.807.3803
Corporate Address: 1501 W. Knudsen Drive, Phoenix, Arizona 85027 Phone: 623.780.4800 Toll Free: 800.651.4802 Fax: 623.780.7695 www.aerotechlabs.com

CLIENT: Southwest Ground-Water Consultants, Inc.
Work Order: 04011419
Project: Sundance Farms/B.793

ANALYTICAL QC SUMMARY REPORT

TestCode: ALKALINITY

Sample ID **04010168-02ADUP** SampType: **DUP** TestCode: **ALKALINITY** Units: **mg/L CaCO3** Prep Date: RunNo: **43597**
Client ID: Batch ID: **R43597** TestNo: **M2320 B** Analysis Date: **2/2/2004** SeqNo: **516254**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	284.0	2.0						286.0	0.702	20	
Alkalinity, Carbonate (As CaCO3)	< 2.0	2.0						0	0	20	
Alkalinity, Hydroxide (As CaCO3)	< 2.0	2.0						0	0	20	
Alkalinity, Total (As CaCO3)	284.0	6.0						286.0	0.702	20	

Sample ID **04011362-01ADUP** SampType: **DUP** TestCode: **ALKALINITY** Units: **mg/L CaCO3** Prep Date: RunNo: **43597**
Client ID: Batch ID: **R43597** TestNo: **M2320 B** Analysis Date: **2/2/2004** SeqNo: **516265**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	116.0	2.0						116.0	0	20	
Alkalinity, Carbonate (As CaCO3)	< 2.0	2.0						0	0	20	
Alkalinity, Hydroxide (As CaCO3)	< 2.0	2.0						0	0	20	
Alkalinity, Total (As CaCO3)	116.0	6.0						116.0	0	20	

Qualifiers:
- E Value above quantitation range
- ND Not Detected at the Reporting Limit
- H Holding times for preparation or analysis exceeded
- R RPD outside accepted recovery limits
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Main Laboratory: 4645 E. Cotton Center Boulevard, Building 3, Suite 189 Phoenix, AZ 85040 Phone: 602.437.3340 Toll Free: 866.772.5227 Fax. 623.445.6192 www.aeroenvirolabs.com
Tucson Facility: 4455 S. Park Ave. Ste. 110 Tucson, AZ 85714 Phone: 520.807.3801 Fax: 520.807.3803
Corporate Address: 1501 W. Knudsen Drive, Phoenix, Arizona 85027 Phone: 623.780.4800 Toll Free: 800.651.4802 Fax: 623.780.7695 www.aerotechlabs.com

CLIENT: Southwest Ground-Water Consultants, Inc.
Work Order: 04011419
Project: Sundance Farms/B.793

ANALYTICAL QC SUMMARY REPORT

TestCode: S_TDS

Sample ID **MB-R43535** SampType: **MBLK** TestCode: **S_TDS** Units: **mg/L** Prep Date: RunNo: **43535**
Client ID: Batch ID: **R43535** TestNo: **M2540 C** Analysis Date: **1/29/2004** SeqNo: **515598**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	< 10	10									

Sample ID **LCS-R43535** SampType: **LCS** TestCode: **S_TDS** Units: **mg/L** Prep Date: RunNo: **43535**
Client ID: Batch ID: **R43535** TestNo: **M2540 C** Analysis Date: **1/29/2004** SeqNo: **515606**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	989.0	10	1000	0	98.9	90	110				

Sample ID **LCSD-R43535** SampType: **LCSD** TestCode: **S_TDS** Units: **mg/L** Prep Date: RunNo: **43535**
Client ID: Batch ID: **R43535** TestNo: **M2540 C** Analysis Date: **1/29/2004** SeqNo: **515607**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	977.0	10	1000	0	97.7	90	110	989.0	1.22	10	

Sample ID **04011362-01ADUP** SampType: **DUP** TestCode: **S_TDS** Units: **mg/L** Prep Date: RunNo: **43535**
Client ID: Batch ID: **R43535** TestNo: **M2540 C** Analysis Date: **1/29/2004** SeqNo: **515602**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	265.0	10						282.0	6.22	10	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

Main Laboratory: 4645 E. Cotton Center Boulevard, Building 3, Suite 189 Phoenix, AZ 85040 Phone: 602.437.3340 Toll Free: 866.772.5227 Fax. 623.445.6192 www.aeroenvirolabs.com
Tucson Facility: 4455 S. Park Ave. Ste. 110 Tucson, AZ 85714 Phone: 520.807.3801 Fax: 520.807.3803
Corporate Address: 1501 W. Knudsen Drive, Phoenix, Arizona 85027 Phone: 623.780.4800 Toll Free: 800.651.4802 Fax: 623.780.7695 www.aerotechlabs.com

Aerotech Environmental Laboratories Sample Receipt Checklist

Project checked by: OAG

Laboratory Number: 0-401-1419	Checklist completed by: [signature] 1-29-04 (Signature/Date)
Client Name: SWGW	
Matrix: WATER / Carrier Name: MSG	Date/Time Rec'd: 1-29-04 08:40 By: CMG

Temperature of Samples? 0.9 °C *Circle one:* Blue Ice Wet Ice Not Present

	Yes	No**	Not Present
Shipping container/cooler in good condition?	X		
Custody seals intact on shipping container/cooler?			X
Custody seals intact on sample containers?			X
Chain of Custody present and relinquished/received properly?	X		
Chain of Custody agrees with sample labels?	X		
Samples in proper containers/bottles?	X		
Sample containers intact?	X		
All samples received within holding time?	X		
Is there sufficient sample volume to perform the tests?	X		
Do different containers of the same sample vary in appearance?		X	If Yes, Contact PM
40mL vials for volatiles & SOCs received with zero headspace?			X

Containers:
Brass Sleeve____
Glass Jar____
Methanol____
Plastic Bag____

Total number of bottles received: 3 | IH sample media:

Number of containers received by preservative (by sample number):

Preservative	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A-General	1														
B-HNO3	1														
C-H2SO4	1														
D-HCl															
E-Na2S2O3															
F-NaOH															
G-Sulfide															
H-Na Sulfite															
I-MCAA															
J-Methanol															
K-HAA															
L-Other															

**If more than 15 samples are rec'd, please continue on separate sheet(s)*

Water-pH acceptable upon receipt? Yes X No N/A

Preservative & pH		pH of samples upon receipt	If sample received with improper pH, list sample number and adjustments
Metals	<2	<2	
Nutrients	<2	<2	
Total Phenols	<2		
413 (O&G)	<2		
418 (TPH)	<2		
Cyanide	>12		
Sulfide	>9		

Any No response must be detailed in the comments section below. Contact the PM immediately to determine how to proceed. Refer to SOP 11-001.02, Section 1.8.6. Continue on back if additional space is needed.

Comments:

Corrective Action:

Aerotech Environmental Laboratories

a division of Aerotech Laboratories, Inc.

[X] Main Lab - 4645 E. Cotton Center Blvd., Building 3, Suite 189, Phoenix, AZ 85040 602.437.3340 - FAX 623.445.6192
[ ] North Phoenix - 1501 W. Knudsen, Phoenix, AZ 85027 623.780.4800 - FAX 623.445.6216
[ ] Tucson - 4455 S. Park Ave, Suite 110, Tucson, AZ 85714 520.807.3801 - FAX 520.807.3803
www.aeroenvirolabs.com or call toll-free 866.772.5227

Lab Number: 0-401-1419

Customer Number:
Customer: Southwest Groundwater
Address: 3900 E Camelback Rd #200
City, State, Zip: Phoenix Az 85018
Contact: Steve Noel
Phone: 602-955-5547 **Fax:** 602-955-7581
E-Mail Address:

Page 1 **of** 1
Sampler: MSG
Project Name: Sundance Farms
Project Number: B.793
P.O. Number:
Fax Results: Y N
E-Mail Results: Y N

Sample Type Codes
DW - Drinking Water A - Air
WW - Waste Water S - Soil
HW - Hazardous Waste
Other

Sample Receipt
Temperature 0.9 °C
Custody Seals: Yes ___ No X
Custody Seals Intact: Yes ___ No N/A
Total # of Containers: 3

Turn Around Request
___ 24 Hours ___ 48 Hours
___ 72 Hours
___ 5 Working Days
X Standard 10 Working Days
Subject to scheduling & availability (surcharges apply).

Analyses Requested

Lab #	Sample Identification	Date	Time	Type	Major Cations	Major Anions	Metals	(CMS) 1-29-04	200.7-Ca, Cr	Mg, K, Na	200.8-As	Alk, TDS	Cl, F, NO3, SO4							# of sample Containers
01	Sundance Farms 1410	1/28/04	0910	Water	X	X	X		X	X	X	X	X							

Instructions / Special Requirements:

Date	Time	Samples Relinquished By:	Received By:
1/28/04	0840	[illegible]	[illegible]

Analysis performed is subject to the Terms & Conditions available at www.aeroenvirolabs.com or call 866.772.5227 to request a copy.

APPENDIX E

APPENDIX E

DRAWDOWN IMPACTS OF OTHER PROJECTS

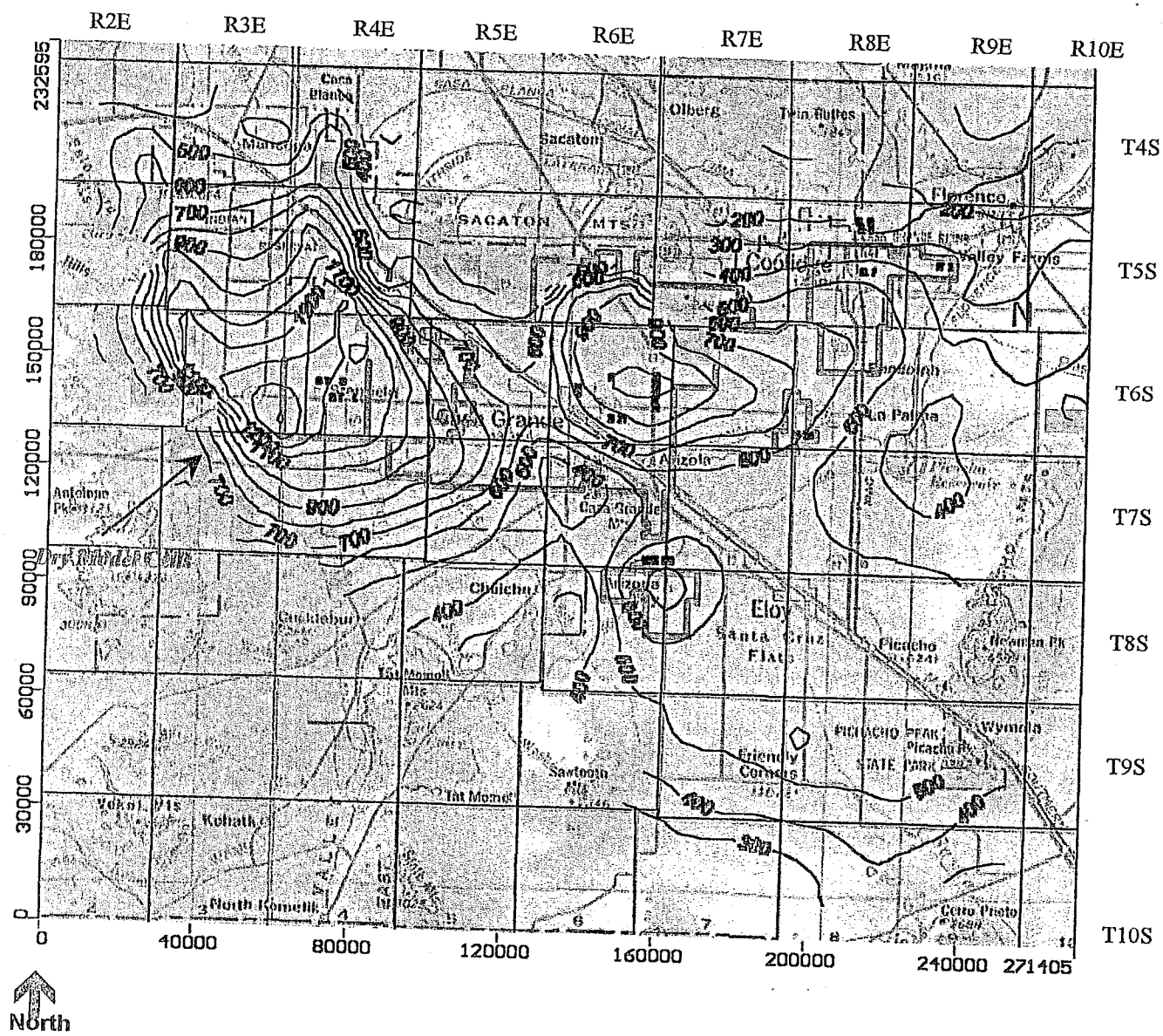


FIGURE 16

Arizona Water Company

Casa Grande Model

Year 2100 Model Layer 2

Depth to Water

CLEAR CREEK ASSOCIATES

Clearcreek01\Production\Arizona Water Company\Casa Grande Model\Figures\Figures.ppt

APPENDIX F

APPENDIX F

THWELLS Output File

CALCULATION OF DRAWDOWN IN A HOMOGENEOUS, ISOTROPIC, CONFINED, LEAKY
CONFINED OR UNCONFINED AQUIFER WITH MULTIPLE PRODUCTION AND INJECTION
WELLS AND UNIFORM REGIONAL FLOW

SunFrm100yrAquiferImpactAnalysis

********** INPUT DATA **********

UNCONFINED AQUIFER - THEIS EQUATION WITH JACOB'S CORRECTION

WATER TABLE CORRECTION APPLIED; DRAWDOWNS EXCEED 10% OF SATURATED THICKNESS

```
                    AQUIFER THICKNESS  =  620 [ft]
                       TRANSMISSIVITY  =  47200 [gpd/ft]

                  STORAGE COEFFICIENT  =  .05

                REGIONAL FLOW GRADIENT
(positive--downwards--in flow direction)  =  0

                REGIONAL FLOW DIRECTION
           (horizontal angle in degrees
counter-clockwise from positive x-axis)  =  0

          REGIONAL FLOW OFFSET AT ORIGIN
(positive in downwards direction)  =  0 [ft]
```

WATER TABLE CORRECTION APPLIED; DRAWDOWNS EXCEED 10% OF SATURATED THICKNESS

```
                    AQUIFER THICKNESS  =  620 [ft]
```

PUMPING/INJECTION WELL DATA

WELL NO. 1

```
                    X-COORDINATE  =  1456403 [ft]
                    Y-COORDINATE  =  1.197573E+07 [ft]
          PUMPING/INJECTION RATE  =  1775232 [gpd]
TIME SINCE START PUMPING/INJECTION  =  36500 [day]
```

WELL NO. 2

```
                    X-COORDINATE  =  1461667 [ft]
                    Y-COORDINATE  =  1.197287E+07 [ft]
          PUMPING/INJECTION RATE  =  1775232 [gpd]
TIME SINCE START PUMPING/INJECTION  =  36500 [day]
```

WELL NO. 3

```
                    X-COORDINATE  =  1459679 [ft]
                    Y-COORDINATE  =  1.196773E+07 [ft]
          PUMPING/INJECTION RATE  =  1775232 [gpd]
TIME SINCE START PUMPING/INJECTION  =  36500 [day]
```

WELL NO. 4

```
                    X-COORDINATE  =  1461098 [ft]
                    Y-COORDINATE  =  1.196247E+07 [ft]
          PUMPING/INJECTION RATE  =  1775232 [gpd]
TIME SINCE START PUMPING/INJECTION  =  36500 [day]
```

WELL NO. 5

```
                    X-COORDINATE  =  1425272 [ft]
                    Y-COORDINATE  =  1.197453E+07 [ft]
          PUMPING/INJECTION RATE  =  1775232 [gpd]
TIME SINCE START PUMPING/INJECTION  =  36500 [day]
```

WELL NO. 6

```
                    X-COORDINATE  =  1420244 [ft]
                    Y-COORDINATE  =  1.197127E+07 [ft]
          PUMPING/INJECTION RATE  =  1775232 [gpd]
TIME SINCE START PUMPING/INJECTION  =  36500 [day]
```

Well with the greatest drawdown

WELL NO. 7

```
                    X-COORDINATE  =  1422622 [ft]
                    Y-COORDINATE  =  1.19663E+07 [ft]
          PUMPING/INJECTION RATE  =  1775232 [gpd]
TIME SINCE START PUMPING/INJECTION  =  36500 [day]
```

WELL NO. 8

```
                    X-COORDINATE  =  1421614 [ft]
                    Y-COORDINATE  =  1.196094E+07 [ft]
          PUMPING/INJECTION RATE  =  1775232 [gpd]
TIME SINCE START PUMPING/INJECTION  =  36500 [day]
```

---------- Drawdown in [ft] ----------

Y [ft] <- X [ft] ->

	1439879	1440539	1441199	1441859	1442519	1443179
%11941330.00	57.539	57.523	57.502	57.476	57.444	57.408
%11941990.00	58.345	58.328	58.306	58.279	58.247	58.211
%11942650.00	59.161	59.142	59.119	59.091	59.059	59.022
%11943310.00	59.984	59.964	59.939	59.911	59.878	59.841
%11943970.00	60.815	60.793	60.767	60.738	60.705	60.668
%11944630.00	61.654	61.630	61.602	61.572	61.539	61.503
%11945290.00	62.499	62.473	62.444	62.414	62.380	62.344
%11945950.00	63.350	63.322	63.293	63.261	63.227	63.192
%11946610.00	64.208	64.177	64.146	64.114	64.080	64.046
%11947270.00	65.070	65.037	65.005	64.972	64.938	64.904
%11947930.00	65.936	65.901	65.867	65.833	65.800	65.767
%11948590.00	66.806	66.768	66.733	66.698	66.666	66.634
%11949250.00	67.678	67.638	67.600	67.565	67.533	67.504
%11949910.00	68.551	68.508	68.469	68.434	68.402	68.375
%11950570.00	69.424	69.379	69.338	69.302	69.272	69.246
%11951230.00	70.296	70.248	70.205	70.170	70.140	70.117
%11951890.00	71.166	71.114	71.070	71.034	71.006	70.986
%11952550.00	72.031	71.976	71.931	71.895	71.868	71.851
%11953210.00	72.890	72.832	72.785	72.750	72.725	72.712
%11953870.00	73.742	73.681	73.633	73.597	73.575	73.565
%11954530.00	74.585	74.520	74.470	74.436	74.416	74.411
%11955190.00	75.416	75.348	75.297	75.264	75.247	75.246
%11955850.00	76.233	76.162	76.111	76.078	76.064	76.069
%11956510.00	77.035	76.962	76.909	76.878	76.867	76.877
%11957170.00	77.820	77.743	77.690	77.660	77.653	77.669
%11957830.00	78.584	78.505	78.451	78.423	78.420	78.442
%11958490.00	79.326	79.244	79.190	79.164	79.165	79.194
%11959150.00	80.043	79.958	79.904	79.881	79.887	79.923
%11959810.00	80.732	80.646	80.592	80.571	80.582	80.625
%11960470.00	81.392	81.304	81.251	81.233	81.249	81.300
%11961130.00	82.020	81.930	81.878	81.863	81.885	81.943
%11961790.00	82.613	82.522	82.471	82.460	82.487	82.554
%11962450.00	83.170	83.078	83.028	83.020	83.054	83.128
%11963110.00	83.687	83.595	83.547	83.543	83.582	83.665
%11963770.00	84.162	84.070	84.024	84.024	84.070	84.161
%11964430.00	84.594	84.503	84.459	84.463	84.515	84.615
%11965090.00	84.981	84.890	84.849	84.858	84.916	85.024
%11965750.00	85.320	85.230	85.192	85.206	85.270	85.386
%11966410.00	85.610	85.522	85.487	85.505	85.576	85.700

Y [ft] <- X [ft] ->

	1439879	1440539	1441199	1441859	1442519	1443179
%11967070.00	85.849	85.763	85.731	85.754	85.831	85.963
%11967730.00	86.035	85.952	85.924	85.952	86.035	86.174
%11968390.00	86.168	86.088	86.064	86.096	86.186	86.332
%11969050.00	86.247	86.169	86.149	86.187	86.282	86.436
%11969710.00	86.270	86.196	86.180	86.222	86.323	86.483
%11970370.00	86.237	86.166	86.155	86.202	86.308	86.474
%11971030.00	86.147	86.081	86.074	86.126	86.237	86.407
%11971690.00	86.001	85.939	85.937	85.993	86.108	86.283
%11972350.00	85.798	85.742	85.744	85.804	85.923	86.101
%11973010.00	85.540	85.489	85.495	85.559	85.681	85.862
%11973670.00	85.226	85.181	85.192	85.259	85.383	85.566
%11974330.00	84.859	84.819	84.834	84.905	85.031	85.213
%11974990.00	84.440	84.406	84.425	84.497	84.624	84.806
%11975650.00	83.970	83.941	83.964	84.039	84.166	84.346
%11976310.00	83.452	83.429	83.455	83.531	83.657	83.834
%11976970.00	82.888	82.871	82.900	82.977	83.101	83.274
%11977630.00	82.280	82.269	82.301	82.378	82.500	82.667
%11978290.00	81.632	81.626	81.661	81.738	81.856	82.018
%11978950.00	80.947	80.946	80.983	81.059	81.174	81.328
%11979610.00	80.227	80.231	80.270	80.345	80.455	80.602
%11980270.00	79.476	79.485	79.525	79.598	79.704	79.842
%11980930.00	78.697	78.710	78.752	78.822	78.923	79.053
%11981590.00	77.893	77.910	77.952	78.021	78.116	78.238
%11982250.00	77.068	77.088	77.131	77.197	77.286	77.399
%11982910.00	76.224	76.246	76.289	76.353	76.437	76.541
%11983570.00	75.363	75.389	75.432	75.492	75.571	75.667
%11984230.00	74.490	74.517	74.560	74.618	74.691	74.779
%11984890.00	73.605	73.635	73.677	73.732	73.800	73.880
%11985550.00	72.713	72.744	72.785	72.837	72.900	72.973
%11986210.00	71.814	71.846	71.887	71.936	71.994	72.059
%11986870.00	70.911	70.944	70.984	71.030	71.083	71.142
%11987530.00	70.006	70.040	70.078	70.122	70.170	70.223
%11988190.00	69.100	69.134	69.172	69.213	69.257	69.304
%11988850.00	68.194	68.229	68.266	68.304	68.344	68.386
%11989510.00	67.291	67.326	67.362	67.398	67.434	67.471
%11990170.00	66.392	66.426	66.461	66.495	66.528	66.560
%11990830.00	65.496	65.531	65.564	65.596	65.626	65.654
%11991490.00	64.607	64.641	64.673	64.702	64.730	64.754
%11992150.00	63.723	63.757	63.788	63.815	63.840	63.861
%11992810.00	62.846	62.880	62.909	62.935	62.957	62.975

Y [ft]	<- X [ft] ->					
	1439879	1440539	1441199	1441859	1442519	1443179
%11993470.00	61.977	62.010	62.039	62.063	62.083	62.098
%11994130.00	61.116	61.148	61.176	61.198	61.216	61.229
%11994790.00	60.264	60.295	60.322	60.343	60.359	60.369
%11995450.00	59.420	59.451	59.476	59.496	59.510	59.518
%11996110.00	58.586	58.616	58.640	58.659	58.671	58.677
%11996770.00	57.761	57.791	57.814	57.831	57.842	57.847
%11997430.00	56.946	56.975	56.998	57.014	57.023	57.026
%11998090.00	56.141	56.169	56.191	56.206	56.214	56.216

Y [ft]	<- X [ft] ->					
	1443839	1444499	1445159	1445819	1446479	1447139
%11941330.00	57.366	57.320	57.267	57.209	57.146	57.076
%11941990.00	58.169	58.123	58.071	58.014	57.951	57.882
%11942650.00	58.981	58.935	58.884	58.828	58.766	58.699
%11943310.00	59.800	59.755	59.705	59.651	59.591	59.526
%11943970.00	60.628	60.584	60.535	60.482	60.424	60.361
%11944630.00	61.463	61.420	61.373	61.322	61.267	61.207
%11945290.00	62.305	62.264	62.219	62.170	62.118	62.061
%11945950.00	63.154	63.114	63.072	63.026	62.977	62.924
%11946610.00	64.009	63.972	63.932	63.889	63.844	63.795
%11947270.00	64.870	64.834	64.798	64.759	64.718	64.674
%11947930.00	65.735	65.702	65.669	65.635	65.599	65.561
%11948590.00	66.604	66.574	66.545	66.516	66.486	66.454
%11949250.00	67.476	67.450	67.426	67.402	67.378	67.354
%11949910.00	68.350	68.328	68.309	68.291	68.275	68.259
%11950570.00	69.225	69.208	69.194	69.184	69.175	69.168
%11951230.00	70.100	70.088	70.081	70.078	70.078	70.081
%11951890.00	70.973	70.966	70.966	70.972	70.982	70.997
%11952550.00	71.843	71.843	71.851	71.866	71.887	71.913
%11953210.00	72.709	72.715	72.732	72.757	72.789	72.829
%11953870.00	73.568	73.582	73.608	73.644	73.689	73.743
%11954530.00	74.420	74.442	74.477	74.525	74.584	74.654
%11955190.00	75.261	75.292	75.338	75.399	75.472	75.559
%11955850.00	76.091	76.132	76.189	76.263	76.352	76.456
%11956510.00	76.907	76.957	77.027	77.115	77.221	77.344
%11957170.00	77.707	77.768	77.850	77.953	78.076	78.219
%11957830.00	78.489	78.560	78.656	78.774	78.916	79.079
%11958490.00	79.250	79.333	79.442	79.576	79.737	79.922
%11959150.00	79.988	80.082	80.206	80.357	80.537	80.744
%11959810.00	80.700	80.807	80.944	81.113	81.313	81.543
%11960470.00	81.385	81.503	81.656	81.842	82.062	82.315
%11961130.00	82.038	82.170	82.337	82.541	82.782	83.058
%11961790.00	82.659	82.803	82.986	83.208	83.469	83.768

Y [ft] <- X [ft] ->

	1443839	1444499	1445159	1445819	1446479	1447139
%11962450.00	83.244	83.401	83.599	83.839	84.120	84.443
%11963110.00	83.791	83.961	84.174	84.431	84.733	85.079
%11963770.00	84.298	84.480	84.709	84.983	85.305	85.673
%11964430.00	84.762	84.957	85.200	85.492	85.832	86.223
%11965090.00	85.181	85.388	85.646	85.954	86.314	86.726
%11965750.00	85.553	85.773	86.044	86.368	86.746	87.178
%11966410.00	85.877	86.107	86.392	86.732	87.127	87.579
%11967070.00	86.150	86.391	86.689	87.043	87.454	87.925
%11967730.00	86.370	86.622	86.931	87.299	87.726	88.214
%11968390.00	86.536	86.798	87.119	87.499	87.941	88.445
%11969050.00	86.647	86.918	87.249	87.642	88.096	88.615
%11969710.00	86.702	86.981	87.321	87.724	88.191	88.723
%11970370.00	86.699	86.985	87.334	87.746	88.223	88.767
%11971030.00	86.638	86.930	87.285	87.705	88.191	88.745
%11971690.00	86.518	86.815	87.175	87.601	88.093	88.655
%11972350.00	86.340	86.640	87.004	87.432	87.929	88.497
%11973010.00	86.102	86.404	86.769	87.200	87.698	88.267
%11973670.00	85.807	86.108	86.473	86.902	87.399	87.967
%11974330.00	85.454	85.753	86.114	86.539	87.031	87.594
%11974990.00	85.044	85.340	85.696	86.114	86.597	87.150
%11975650.00	84.580	84.870	85.218	85.626	86.097	86.636
%11976310.00	84.063	84.345	84.683	85.078	85.534	86.054
%11976970.00	83.496	83.768	84.094	84.473	84.910	85.408
%11977630.00	82.881	83.143	83.454	83.815	84.230	84.701
%11978290.00	82.222	82.471	82.766	83.108	83.499	83.940
%11978950.00	81.522	81.758	82.035	82.355	82.720	83.130
%11979610.00	80.785	81.006	81.265	81.563	81.900	82.277
%11980270.00	80.014	80.220	80.460	80.735	81.044	81.388
%11980930.00	79.213	79.404	79.625	79.876	80.157	80.468
%11981590.00	78.386	78.561	78.763	78.991	79.244	79.523
%11982250.00	77.536	77.696	77.879	78.084	78.311	78.558
%11982910.00	76.666	76.811	76.976	77.160	77.361	77.579
%11983570.00	75.780	75.911	76.058	76.221	76.399	76.589
%11984230.00	74.882	74.999	75.129	75.273	75.428	75.592
%11984890.00	73.972	74.076	74.192	74.317	74.451	74.592
%11985550.00	73.055	73.147	73.248	73.356	73.471	73.590
%11986210.00	72.133	72.214	72.301	72.394	72.490	72.590
%11986870.00	71.207	71.278	71.352	71.431	71.512	71.593
%11987530.00	70.280	70.341	70.405	70.470	70.536	70.601
%11988190.00	69.354	69.406	69.459	69.512	69.565	69.616

Y [ft] <- X [ft] ->

	1447799	1448459	1449119	1449779	1450439	1451099
%11957830.00	79.264	79.470	79.696	79.940	80.201	80.478
%11958490.00	80.131	80.364	80.620	80.898	81.197	81.515
%11959150.00	80.979	81.240	81.527	81.840	82.178	82.539
%11959810.00	81.803	82.093	82.413	82.762	83.139	83.545
%11960470.00	82.602	82.921	83.274	83.659	84.077	84.528
%11961130.00	83.371	83.720	84.106	84.528	84.987	85.483
%11961790.00	84.108	84.486	84.905	85.364	85.864	86.406
%11962450.00	84.808	85.217	85.668	86.164	86.704	87.291
%11963110.00	85.470	85.907	86.391	86.923	87.503	88.133
%11963770.00	86.090	86.555	87.071	87.637	88.256	88.929
%11964430.00	86.664	87.157	87.703	88.303	88.959	89.673
%11965090.00	87.191	87.710	88.285	88.917	89.609	90.361
%11965750.00	87.666	88.211	88.814	89.477	90.201	90.990
%11966410.00	88.088	88.657	89.287	89.978	90.734	91.557
%11967070.00	88.455	89.047	89.701	90.420	91.205	92.058
%11967730.00	88.764	89.377	90.054	90.798	91.611	92.493
%11968390.00	89.013	89.646	90.345	91.113	91.951	92.860
%11969050.00	89.200	89.851	90.571	91.362	92.224	93.158
%11969710.00	89.323	89.992	90.731	91.543	92.429	93.388
%11970370.00	89.380	90.065	90.822	91.655	92.563	93.548
%11971030.00	89.370	90.068	90.842	91.694	92.626	93.638
%11971690.00	89.290	90.000	90.788	91.658	92.612	93.652
%11972350.00	89.138	89.856	90.657	91.542	92.518	93.586
%11973010.00	88.912	89.635	90.443	91.341	92.334	93.429
%11973670.00	88.610	89.334	90.144	91.048	92.053	93.170
%11974330.00	88.232	88.951	89.757	90.658	91.667	92.794
%11974990.00	87.777	88.484	89.278	90.168	91.166	92.288
%11975650.00	87.246	87.934	88.707	89.574	90.548	91.645
%11976310.00	86.642	87.305	88.047	88.880	89.813	90.862
%11976970.00	85.969	86.599	87.303	88.090	88.968	89.950
%11977630.00	85.231	85.823	86.483	87.215	88.026	88.925
%11978290.00	84.435	84.985	85.594	86.265	87.003	87.810
%11978950.00	83.587	84.093	84.648	85.255	85.915	86.628
%11979610.00	82.695	83.155	83.656	84.198	84.781	85.401
%11980270.00	81.767	82.180	82.627	83.105	83.614	84.147
%11980930.00	80.808	81.176	81.570	81.989	82.427	82.880
%11981590.00	79.825	80.150	80.495	80.857	81.231	81.612
%11982250.00	78.825	79.109	79.408	79.717	80.033	80.350
%11982910.00	77.812	78.058	78.314	78.576	78.840	79.100
%11983570.00	76.791	77.002	77.218	77.438	77.655	77.866

Y [ft] <- X [ft] ->

	1447799	1448459	1449119	1449779	1450439	1451099
%11984230.00	75.765	75.944	76.125	76.306	76.482	76.649
%11984890.00	74.738	74.887	75.037	75.184	75.324	75.453
%11985550.00	73.712	73.835	73.956	74.073	74.181	74.277
%11986210.00	72.690	72.790	72.885	72.975	73.054	73.122
%11986870.00	71.674	71.752	71.825	71.890	71.946	71.988
%11987530.00	70.664	70.724	70.776	70.821	70.855	70.875
%11988190.00	69.663	69.706	69.741	69.767	69.782	69.783
%11988850.00	68.672	68.699	68.718	68.729	68.727	68.712
%11989510.00	67.690	67.704	67.710	67.706	67.690	67.661
%11990170.00	66.719	66.722	66.715	66.699	66.671	66.630
%11990830.00	65.760	65.752	65.735	65.708	65.669	65.618
%11991490.00	64.812	64.795	64.769	64.733	64.685	64.624
%11992150.00	63.877	63.852	63.818	63.774	63.718	63.649
%11992810.00	62.953	62.922	62.881	62.830	62.767	62.692
%11993470.00	62.043	62.005	61.958	61.901	61.832	61.752
%11994130.00	61.144	61.102	61.050	60.987	60.914	60.829
%11994790.00	60.259	60.212	60.155	60.089	60.011	59.922
%11995450.00	59.386	59.335	59.275	59.205	59.124	59.031
%11996110.00	58.526	58.472	58.408	58.335	58.251	58.156
%11996770.00	57.678	57.621	57.555	57.479	57.393	57.297
%11997430.00	56.843	56.784	56.716	56.638	56.550	56.452
%11998090.00	56.020	55.959	55.889	55.810	55.721	55.621

Y [ft] <- X [ft] ->

	1451759	1452419	1453079	1453739	1454399	1455059
%11941330.00	56.386	56.254	56.113	55.962	55.801	55.629
%11941990.00	57.203	57.073	56.932	56.782	56.621	56.448
%11942650.00	58.033	57.904	57.765	57.616	57.455	57.283
%11943310.00	58.876	58.749	58.612	58.464	58.305	58.134
%11943970.00	59.732	59.608	59.473	59.328	59.170	59.000
%11944630.00	60.601	60.481	60.349	60.207	60.052	59.884
%11945290.00	61.485	61.368	61.241	61.102	60.950	60.785
%11945950.00	62.382	62.271	62.148	62.014	61.866	61.704
%11946610.00	63.293	63.188	63.071	62.942	62.800	62.642
%11947270.00	64.219	64.121	64.011	63.889	63.752	63.600
%11947930.00	65.159	65.069	64.968	64.853	64.724	64.579
%11948590.00	66.113	66.033	65.941	65.836	65.716	65.579
%11949250.00	67.082	67.013	66.933	66.839	66.729	66.602
%11949910.00	68.066	68.010	67.942	67.861	67.763	67.648
%11950570.00	69.063	69.022	68.970	68.903	68.820	68.718
%11951230.00	70.075	70.051	70.016	69.966	69.900	69.815
%11951890.00	71.101	71.096	71.080	71.050	71.004	70.937
%11952550.00	72.140	72.157	72.163	72.156	72.132	72.088

Y [ft] <- X [ft] ->

	1451759	1452419	1453079	1453739	1454399	1455059
%11953210.00	73.191	73.232	73.264	73.283	73.285	73.267
%11953870.00	74.254	74.323	74.383	74.431	74.463	74.476
%11954530.00	75.326	75.426	75.518	75.600	75.667	75.714
%11955190.00	76.408	76.541	76.669	76.789	76.895	76.983
%11955850.00	77.495	77.666	77.834	77.996	78.147	78.281
%11956510.00	78.587	78.798	79.010	79.219	79.420	79.607
%11957170.00	79.679	79.935	80.195	80.455	80.712	80.960
%11957830.00	80.769	81.072	81.383	81.700	82.019	82.334
%11958490.00	81.852	82.205	82.571	82.950	83.336	83.725
%11959150.00	82.923	83.328	83.754	84.196	84.654	85.124
%11959810.00	83.978	84.438	84.923	85.434	85.967	86.523
%11960470.00	85.011	85.526	86.074	86.653	87.264	87.908
%11961130.00	86.017	86.588	87.198	87.847	88.536	89.267
%11961790.00	86.990	87.617	88.289	89.006	89.772	90.588
%11962450.00	87.925	88.607	89.339	90.124	90.964	91.862
%11963110.00	88.816	89.552	90.343	91.193	92.104	93.080
%11963770.00	89.658	90.446	91.295	92.208	93.188	94.237
%11964430.00	90.447	91.284	92.188	93.161	94.207	95.330
%11965090.00	91.178	92.062	93.016	94.047	95.157	96.353
%11965750.00	91.846	92.773	93.775	94.858	96.028	97.294
%11966410.00	92.449	93.415	94.459	95.588	96.811	98.140
%11967070.00	92.984	93.984	95.064	96.232	97.496	98.872
%11967730.00	93.448	94.479	95.589	96.785	98.076	99.479
%11968390.00	93.842	94.899	96.033	97.249	98.554	99.960
%11969050.00	94.166	95.247	96.402	97.632	98.939	100.329
%11969710.00	94.421	95.527	96.702	97.944	99.249	100.613
%11970370.00	94.609	95.741	96.941	98.200	99.506	100.847
%11971030.00	94.728	95.894	97.126	98.413	99.734	101.067
%11971690.00	94.777	95.983	97.262	98.596	99.958	101.309
%11972350.00	94.749	96.005	97.347	98.755	100.196	101.613
%11973010.00	94.632	95.945	97.368	98.886	100.462	102.020
%11973670.00	94.409	95.781	97.297	98.959	100.744	102.570
%11974330.00	94.058	95.479	97.085	98.908	100.975	103.261
%11974990.00	93.556	95.000	96.664	98.617	100.970	103.896
%11975650.00	92.888	94.312	95.969	97.949	100.418	103.746
%11976310.00	92.049	93.404	94.974	96.833	99.109	102.036
%11976970.00	91.051	92.294	93.708	95.330	97.202	99.328
%11977630.00	89.921	91.024	92.245	93.587	95.032	96.497
%11978290.00	88.690	89.644	90.668	91.745	92.835	93.853
%11978950.00	87.391	88.200	89.042	89.894	90.714	91.435

Y [ft] <- X [ft] ->

	1451759	1452419	1453079	1453739	1454399	1455059
%11979610.00	86.053	86.729	87.413	88.081	88.698	89.215
%11980270.00	84.698	85.256	85.806	86.327	86.790	87.162
%11980930.00	83.340	83.797	84.236	84.639	84.983	85.246
%11981590.00	81.992	82.362	82.708	83.015	83.268	83.446
%11982250.00	80.661	80.956	81.224	81.455	81.633	81.747
%11982910.00	79.350	79.582	79.786	79.953	80.072	80.133
%11983570.00	78.063	78.241	78.392	78.506	78.576	78.594
%11984230.00	76.802	76.934	77.039	77.110	77.140	77.122
%11984890.00	75.566	75.659	75.725	75.760	75.757	75.711
%11985550.00	74.356	74.416	74.450	74.453	74.423	74.353
%11986210.00	73.172	73.203	73.209	73.187	73.133	73.043
%11986870.00	72.014	72.020	72.002	71.959	71.885	71.779
%11987530.00	70.879	70.864	70.827	70.765	70.675	70.555
%11988190.00	69.769	69.736	69.682	69.604	69.501	69.369
%11988850.00	68.682	68.633	68.565	68.474	68.359	68.218
%11989510.00	67.617	67.555	67.475	67.373	67.249	67.100
%11990170.00	66.574	66.501	66.410	66.299	66.167	66.012
%11990830.00	65.551	65.469	65.369	65.251	65.112	64.952
%11991490.00	64.549	64.459	64.352	64.227	64.084	63.920
%11992150.00	63.567	63.470	63.357	63.227	63.079	62.912
%11992810.00	62.603	62.501	62.383	62.249	62.098	61.929
%11993470.00	61.658	61.551	61.429	61.292	61.138	60.968
%11994130.00	60.731	60.620	60.495	60.355	60.199	60.028
%11994790.00	59.821	59.707	59.579	59.437	59.281	59.109
%11995450.00	58.927	58.811	58.681	58.538	58.381	58.210
%11996110.00	58.050	57.932	57.801	57.657	57.500	57.329
%11996770.00	57.189	57.069	56.937	56.793	56.636	56.466
%11997430.00	56.342	56.222	56.090	55.946	55.789	55.620
%11998090.00	55.511	55.390	55.258	55.114	54.958	54.791

Y [ft] <- X [ft] ->

	1455719	1456379	1457039	1457699	1458359	1459019
%11941330.00	55.446	55.251	55.045	54.827	54.596	54.353
%11941990.00	56.265	56.069	55.861	55.641	55.407	55.161
%11942650.00	57.099	56.903	56.694	56.471	56.235	55.985
%11943310.00	57.950	57.753	57.543	57.319	57.080	56.828
%11943970.00	58.817	58.621	58.410	58.185	57.944	57.688
%11944630.00	59.702	59.506	59.295	59.069	58.827	58.568
%11945290.00	60.605	60.411	60.200	59.973	59.730	59.468
%11945950.00	61.527	61.335	61.126	60.899	60.654	60.391
%11946610.00	62.469	62.280	62.072	61.846	61.601	61.336
%11947270.00	63.432	63.246	63.041	62.817	62.572	62.306
%11947930.00	64.417	64.236	64.035	63.813	63.568	63.301

Y [ft] <- X [ft] ->

	1455719	1456379	1457039	1457699	1458359	1459019
%11948590.00	65.424	65.249	65.053	64.835	64.592	64.325
%11949250.00	66.455	66.288	66.099	65.885	65.645	65.379
%11949910.00	67.512	67.355	67.173	66.965	66.730	66.466
%11950570.00	68.596	68.450	68.278	68.078	67.848	67.587
%11951230.00	69.707	69.575	69.416	69.226	69.004	68.747
%11951890.00	70.848	70.733	70.588	70.411	70.198	69.948
%11952550.00	72.020	71.925	71.799	71.637	71.437	71.195
%11953210.00	73.225	73.154	73.049	72.907	72.722	72.492
%11953870.00	74.463	74.421	74.343	74.225	74.060	73.844
%11954530.00	75.737	75.729	75.683	75.595	75.455	75.259
%11955190.00	77.046	77.079	77.073	77.021	76.914	76.743
%11955850.00	78.392	78.474	78.516	78.509	78.443	78.306
%11956510.00	79.775	79.913	80.013	80.063	80.049	79.957
%11957170.00	81.191	81.397	81.568	81.688	81.741	81.709
%11957830.00	82.639	82.924	83.179	83.386	83.527	83.576
%11958490.00	84.112	84.489	84.843	85.159	85.413	85.573
%11959150.00	85.602	86.081	86.553	87.001	87.401	87.715
%11959810.00	87.098	87.689	88.292	88.897	89.483	90.011
%11960470.00	88.583	89.293	90.038	90.818	91.629	92.446
%11961130.00	90.043	90.870	91.756	92.717	93.774	94.949
%11961790.00	91.461	92.397	93.412	94.532	95.810	97.339
%11962450.00	92.823	93.855	94.974	96.208	97.620	99.341
%11963110.00	94.123	95.238	96.435	97.728	99.157	100.803
%11963770.00	95.358	96.551	97.810	99.131	100.502	101.912
%11964430.00	96.530	97.803	99.134	100.492	101.817	103.011
%11965090.00	97.636	99.003	100.437	101.890	103.265	104.385
%11965750.00	98.663	100.140	101.720	103.365	104.965	106.257
%11966410.00	99.589	101.181	102.937	104.874	106.950	108.873
%11967070.00	100.383	102.065	103.978	106.226	108.993	112.475
%11967730.00	101.017	102.735	104.709	107.096	110.262	115.441
%11968390.00	101.486	103.169	105.069	107.292	110.028	113.479
%11969050.00	101.811	103.403	105.129	107.010	109.014	110.863
%11969710.00	102.034	103.511	105.037	106.583	108.054	109.212
%11970370.00	102.208	103.573	104.922	106.217	107.380	108.275
%11971030.00	102.382	103.655	104.862	105.978	106.971	107.793
%11971690.00	102.607	103.810	104.895	105.863	106.735	107.548
%11972350.00	102.934	104.091	105.054	105.851	106.565	107.318
%11973010.00	103.439	104.583	105.391	105.931	106.368	106.899
%11973670.00	104.237	105.445	106.015	106.118	106.086	106.180
%11974330.00	105.523	107.028	107.137	106.423	105.665	105.155

Y [ft] <- X [ft] ->

	1455719	1456379	1457039	1457699	1458359	1459019
%11974990.00	107.521	110.392	109.053	106.674	104.968	103.829
%11975650.00	109.094	125.200	110.691	106.126	103.718	102.158
%11976310.00	105.974	109.552	107.125	103.935	101.727	100.118
%11976970.00	101.483	102.765	102.252	100.746	99.184	97.794
%11977630.00	97.758	98.438	98.291	97.511	96.458	95.341
%11978290.00	94.655	95.072	95.012	94.536	93.789	92.896
%11978950.00	91.971	92.236	92.187	91.843	91.271	90.538
%11979610.00	89.579	89.742	89.679	89.396	88.924	88.300
%11980270.00	87.406	87.494	87.409	87.152	86.739	86.191
%11980930.00	85.402	85.432	85.324	85.078	84.701	84.205
%11981590.00	83.535	83.519	83.390	83.147	82.792	82.333
%11982250.00	81.782	81.728	81.581	81.336	80.996	80.565
%11982910.00	80.125	80.042	79.877	79.630	79.300	78.890
%11983570.00	78.552	78.444	78.266	78.015	77.692	77.298
%11984230.00	77.052	76.923	76.733	76.480	76.162	75.782
%11984890.00	75.617	75.471	75.272	75.015	74.703	74.334
%11985550.00	74.240	74.080	73.872	73.614	73.306	72.947
%11986210.00	72.914	72.744	72.530	72.270	71.965	71.615
%11986870.00	71.637	71.457	71.238	70.978	70.676	70.334
%11987530.00	70.402	70.215	69.992	69.732	69.434	69.099
%11988190.00	69.208	69.015	68.789	68.529	68.235	67.907
%11988850.00	68.050	67.852	67.624	67.365	67.075	66.753
%11989510.00	66.926	66.724	66.495	66.238	65.951	65.636
%11990170.00	65.833	65.629	65.400	65.144	64.862	64.553
%11990830.00	64.770	64.565	64.336	64.082	63.803	63.500
%11991490.00	63.735	63.529	63.300	63.049	62.774	62.477
%11992150.00	62.726	62.519	62.292	62.043	61.773	61.481
%11992810.00	61.741	61.535	61.309	61.063	60.797	60.511
%11993470.00	60.780	60.574	60.350	60.107	59.846	59.565
%11994130.00	59.840	59.636	59.414	59.174	58.917	58.642
%11994790.00	58.922	58.718	58.499	58.263	58.010	57.740
%11995450.00	58.023	57.821	57.604	57.372	57.123	56.859
%11996110.00	57.143	56.944	56.729	56.500	56.256	55.998
%11996770.00	56.282	56.084	55.873	55.648	55.408	55.154
%11997430.00	55.438	55.243	55.034	54.813	54.577	54.329
%11998090.00	54.610	54.418	54.213	53.995	53.764	53.520

Y [ft] <- X [ft] ->

	1459679	1460339	1460999	1461659	1462319	1462979
%11941330.00	54.098	53.830	53.550	53.257	52.952	52.635
%11941990.00	54.902	54.629	54.343	54.044	53.732	53.407
%11942650.00	55.722	55.444	55.153	54.847	54.528	54.195
%11943310.00	56.560	56.278	55.980	55.668	55.341	55.000

Y [ft] <- X [ft] ->

	1459679	1460339	1460999	1461659	1462319	1462979
%11943970.00	57.417	57.129	56.826	56.507	56.173	55.823
%11944630.00	58.293	58.001	57.692	57.366	57.023	56.665
%11945290.00	59.190	58.893	58.578	58.245	57.894	57.526
%11945950.00	60.108	59.807	59.486	59.146	58.787	58.409
%11946610.00	61.050	60.744	60.417	60.070	59.702	59.313
%11947270.00	62.017	61.707	61.374	61.018	60.641	60.242
%11947930.00	63.011	62.696	62.357	61.994	61.606	61.196
%11948590.00	64.033	63.714	63.369	62.997	62.600	62.176
%11949250.00	65.085	64.763	64.411	64.031	63.623	63.186
%11949910.00	66.171	65.845	65.487	65.099	64.678	64.228
%11950570.00	67.292	66.964	66.600	66.202	65.769	65.303
%11951230.00	68.453	68.122	67.752	67.344	66.898	66.416
%11951890.00	69.657	69.324	68.949	68.530	68.070	67.568
%11952550.00	70.908	70.574	70.193	69.764	69.287	68.765
%11953210.00	72.211	71.878	71.491	71.050	70.556	70.011
%11953870.00	73.573	73.242	72.850	72.396	71.882	71.310
%11954530.00	75.000	74.674	74.277	73.809	73.272	72.670
%11955190.00	76.502	76.183	75.782	75.299	74.735	74.096
%11955850.00	78.088	77.780	77.377	76.877	76.282	75.599
%11956510.00	79.772	79.482	79.078	78.558	77.924	77.187
%11957170.00	81.571	81.308	80.906	80.362	79.679	78.874
%11957830.00	83.504	83.282	82.888	82.315	81.569	80.674
%11958490.00	85.597	85.441	85.065	84.453	83.619	82.602
%11959150.00	87.885	87.835	87.495	86.831	85.868	84.677
%11959810.00	90.405	90.541	90.277	89.533	88.362	86.909
%11960470.00	93.192	93.677	93.586	92.698	91.155	89.291
%11961130.00	96.231	97.421	97.806	96.580	94.266	91.750
%11961790.00	99.294	101.893	104.101	101.589	97.491	94.073
%11962450.00	101.692	105.665	119.750	106.392	99.921	95.885
%11963110.00	102.841	105.536	107.906	105.061	100.614	96.943
%11963770.00	103.320	104.518	104.761	103.190	100.426	97.459
%11964430.00	103.924	104.327	103.910	102.499	100.326	97.808
%11965090.00	105.023	104.973	104.149	102.612	100.552	98.204
%11965750.00	106.837	106.424	105.133	103.266	101.068	98.701
%11966410.00	109.749	108.791	106.684	104.250	101.757	99.264
%11967070.00	115.003	112.252	108.475	105.286	102.461	99.820
%11967730.00	174.841	115.155	109.629	106.001	103.014	100.298
%11968390.00	115.980	113.201	109.403	106.195	103.346	100.670
%11969050.00	111.673	110.668	108.532	106.073	103.540	100.977
%11969710.00	109.679	109.199	107.889	106.018	103.779	101.308

Y [ft] <- X [ft] ->

	1459679	1460339	1460999	1461659	1462319	1462979
%11970370.00	108.725	108.587	107.794	106.333	104.264	101.766
%11971030.00	108.380	108.639	108.384	107.291	105.199	102.430
%11971690.00	108.350	109.174	109.834	109.379	106.845	103.287
%11972350.00	108.281	109.747	112.214	114.329	109.354	103.996
%11973010.00	107.756	109.348	112.844	123.064	110.052	103.603
%11973670.00	106.584	107.470	108.880	109.318	105.987	101.647
%11974330.00	104.939	104.948	104.896	104.078	101.951	99.038
%11974990.00	103.047	102.417	101.675	100.501	98.719	96.469
%11975650.00	101.001	99.995	98.930	97.629	96.005	94.098
%11976310.00	98.823	97.651	96.454	95.125	93.608	91.913
%11976970.00	96.544	95.353	94.137	92.836	91.414	89.873
%11977630.00	94.224	93.096	91.927	90.688	89.361	87.945
%11978290.00	91.925	90.895	89.804	88.645	87.412	86.106
%11978950.00	89.694	88.766	87.764	86.691	85.549	84.343
%11979610.00	87.559	86.723	85.807	84.817	83.762	82.647
%11980270.00	85.529	84.772	83.933	83.021	82.045	81.013
%11980930.00	83.604	82.912	82.141	81.299	80.395	79.437
%11981590.00	81.780	81.142	80.428	79.648	78.808	77.916
%11982250.00	80.049	79.455	78.792	78.065	77.282	76.450
%11982910.00	78.404	77.847	77.226	76.546	75.814	75.034
%11983570.00	76.837	76.312	75.727	75.088	74.399	73.666
%11984230.00	75.341	74.842	74.289	73.686	73.037	72.345
%11984890.00	73.910	73.434	72.909	72.337	71.722	71.068
%11985550.00	72.538	72.082	71.581	71.037	70.453	69.832
%11986210.00	71.220	70.781	70.301	69.782	69.226	68.636
%11986870.00	69.951	69.528	69.067	68.570	68.039	67.476
%11987530.00	68.727	68.318	67.875	67.398	66.889	66.351
%11988190.00	67.544	67.149	66.721	66.263	65.774	65.258
%11988850.00	66.400	66.017	65.604	65.162	64.692	64.197
%11989510.00	65.292	64.920	64.520	64.093	63.641	63.165
%11990170.00	64.217	63.855	63.467	63.055	62.619	62.160
%11990830.00	63.172	62.820	62.444	62.045	61.624	61.181
%11991490.00	62.157	61.814	61.449	61.062	60.655	60.227
%11992150.00	61.168	60.834	60.479	60.104	59.710	59.296
%11992810.00	60.205	59.880	59.534	59.170	58.788	58.388
%11993470.00	59.266	58.948	58.613	58.259	57.888	57.500
%11994130.00	58.349	58.040	57.712	57.369	57.008	56.632
%11994790.00	57.454	57.152	56.833	56.499	56.149	55.784
%11995450.00	56.579	56.284	55.974	55.648	55.308	54.954
%11996110.00	55.724	55.435	55.133	54.816	54.485	54.141

Y [ft]	<- X [ft] ->					
	1459679	1460339	1460999	1461659	1462319	1462979
%11996770.00	54.887	54.605	54.310	54.001	53.679	53.344
%11997430.00	54.067	53.792	53.504	53.203	52.890	52.564
%11998090.00	53.264	52.995	52.714	52.421	52.116	51.799

Y [ft]	<- X [ft] ->					
	1463639	1464299	1464959	1465619	1466279	1466939
%11941330.00	52.306	51.965	51.613	51.250	50.877	50.494
%11941990.00	53.069	52.720	52.358	51.985	51.601	51.207
%11942650.00	53.849	53.490	53.118	52.735	52.339	51.933
%11943310.00	54.645	54.276	53.894	53.499	53.092	52.673
%11943970.00	55.458	55.079	54.686	54.279	53.859	53.428
%11944630.00	56.290	55.900	55.495	55.075	54.643	54.197
%11945290.00	57.141	56.739	56.322	55.889	55.442	54.982
%11945950.00	58.012	57.599	57.168	56.721	56.259	55.783
%11946610.00	58.905	58.479	58.034	57.572	57.094	56.601
%11947270.00	59.822	59.381	58.921	58.443	57.948	57.437
%11947930.00	60.762	60.307	59.831	59.335	58.822	58.291
%11948590.00	61.729	61.257	60.764	60.250	59.716	59.165
%11949250.00	62.723	62.235	61.722	61.188	60.632	60.059
%11949910.00	63.748	63.241	62.708	62.151	61.572	60.973
%11950570.00	64.806	64.278	63.722	63.140	62.535	61.910
%11951230.00	65.898	65.347	64.766	64.158	63.524	62.869
%11951890.00	67.028	66.452	65.843	65.205	64.540	63.852
%11952550.00	68.200	67.596	66.955	66.283	65.583	64.859
%11953210.00	69.418	68.781	68.105	67.395	66.655	65.891
%11953870.00	70.685	70.011	69.294	68.541	67.757	66.949
%11954530.00	72.006	71.290	70.526	69.724	68.890	68.032
%11955190.00	73.389	72.621	71.804	70.945	70.054	69.139
%11955850.00	74.838	74.010	73.129	72.205	71.249	70.270
%11956510.00	76.361	75.461	74.504	73.503	72.473	71.423
%11957170.00	77.966	76.977	75.928	74.839	73.724	72.594
%11957830.00	79.660	78.560	77.402	76.208	74.996	73.777
%11958490.00	81.450	80.210	78.919	77.604	76.282	74.965
%11959150.00	83.339	81.921	80.470	79.014	77.571	76.148
%11959810.00	85.315	83.673	82.034	80.422	78.847	77.313
%11960470.00	87.348	85.432	83.581	81.802	80.092	78.446
%11961130.00	89.359	87.137	85.068	83.123	81.283	79.529
%11961790.00	91.211	88.707	86.444	84.354	82.398	80.548
%11962450.00	92.741	90.060	87.665	85.468	83.419	81.488
%11963110.00	93.861	91.156	88.708	86.449	84.336	82.342
%11963770.00	94.640	92.021	89.582	87.298	85.146	83.107
%11964430.00	95.230	92.719	90.316	88.030	85.855	83.784
%11965090.00	95.755	93.318	90.946	88.662	86.472	84.376

Y [ft] <- X [ft] ->

	1463639	1464299	1464959	1465619	1466279	1466939
%11965750.00	96.275	93.861	91.500	89.212	87.008	84.890
%11966410.00	96.792	94.362	91.991	89.690	87.468	85.328
%11967070.00	97.282	94.818	92.423	90.101	87.858	85.695
%11967730.00	97.716	95.219	92.796	90.447	88.177	85.989
%11968390.00	98.084	95.564	93.109	90.727	88.426	86.211
%11969050.00	98.407	95.859	93.362	90.939	88.601	86.355
%11969710.00	98.722	96.117	93.556	91.076	88.695	86.417
%11970370.00	99.067	96.340	93.680	91.127	88.697	86.387
%11971030.00	99.444	96.504	93.706	91.070	88.590	86.253
%11971690.00	99.767	96.535	93.584	90.870	88.353	86.003
%11972350.00	99.799	96.301	93.243	90.490	87.966	85.624
%11973010.00	99.203	95.669	92.624	89.902	87.414	85.109
%11973670.00	97.861	94.599	91.712	89.100	86.697	84.460
%11974330.00	96.028	93.186	90.552	88.108	85.828	83.687
%11974990.00	94.024	91.578	89.217	86.969	84.834	82.806
%11975650.00	92.024	89.895	87.784	85.728	83.745	81.839
%11976310.00	90.091	88.204	86.305	84.427	82.591	80.806
%11976970.00	88.235	86.538	84.815	83.095	81.395	79.727
%11977630.00	86.454	84.909	83.335	81.752	80.175	78.618
%11978290.00	84.738	83.322	81.874	80.411	78.946	77.490
%11978950.00	83.082	81.776	80.439	79.082	77.718	76.354
%11979610.00	81.480	80.272	79.031	77.770	76.496	75.218
%11980270.00	79.931	78.809	77.655	76.478	75.286	74.085
%11980930.00	78.431	77.386	76.310	75.209	74.091	72.962
%11981590.00	76.979	76.004	74.997	73.965	72.914	71.851
%11982250.00	75.574	74.660	73.716	72.746	71.757	70.753
%11982910.00	74.212	73.355	72.467	71.554	70.621	69.672
%11983570.00	72.894	72.087	71.251	70.389	69.507	68.608
%11984230.00	71.617	70.855	70.065	69.250	68.415	67.563
%11984890.00	70.379	69.659	68.910	68.138	67.346	66.536
%11985550.00	69.179	68.495	67.785	67.052	66.299	65.528
%11986210.00	68.014	67.364	66.689	65.991	65.274	64.540
%11986870.00	66.883	66.264	65.621	64.956	64.272	63.571
%11987530.00	65.785	65.194	64.579	63.944	63.290	62.621
%11988190.00	64.717	64.151	63.563	62.956	62.330	61.689
%11988850.00	63.677	63.135	62.572	61.990	61.391	60.776
%11989510.00	62.666	62.145	61.605	61.046	60.471	59.881
%11990170.00	61.680	61.179	60.660	60.123	59.571	59.004
%11990830.00	60.718	60.236	59.736	59.220	58.689	58.143
%11991490.00	59.780	59.316	58.834	58.337	57.825	57.300

Y [ft] <- X [ft] ->

	1463639	1464299	1464959	1465619	1466279	1466939
%11992150.00	58.865	58.416	57.952	57.472	56.979	56.472
%11992810.00	57.970	57.537	57.088	56.625	56.149	55.660
%11993470.00	57.096	56.677	56.243	55.796	55.336	54.864
%11994130.00	56.241	55.835	55.416	54.983	54.538	54.082
%11994790.00	55.405	55.011	54.605	54.186	53.756	53.314
%11995450.00	54.586	54.204	53.811	53.405	52.988	52.561
%11996110.00	53.783	53.414	53.032	52.639	52.235	51.821
%11996770.00	52.997	52.638	52.268	51.887	51.495	51.093
%11997430.00	52.227	51.878	51.518	51.148	50.768	50.379
%11998090.00	51.471	51.132	50.783	50.423	50.054	49.676

Y [ft] <- X [ft] ->

	1467599	1468259	1468919	1469579	1470239	1470899
%11941330.00	50.102	49.700	49.290	48.873	48.448	48.017
%11941990.00	50.803	50.390	49.968	49.537	49.100	48.656
%11942650.00	51.517	51.091	50.656	50.213	49.762	49.304
%11943310.00	52.244	51.805	51.356	50.899	50.434	49.962
%11943970.00	52.985	52.532	52.068	51.596	51.116	50.629
%11944630.00	53.740	53.271	52.793	52.305	51.809	51.306
%11945290.00	54.509	54.025	53.531	53.026	52.514	51.993
%11945950.00	55.294	54.793	54.281	53.760	53.229	52.691
%11946610.00	56.095	55.576	55.046	54.505	53.956	53.399
%11947270.00	56.912	56.374	55.824	55.263	54.694	54.117
%11947930.00	57.746	57.187	56.616	56.035	55.444	54.845
%11948590.00	58.598	58.017	57.423	56.819	56.205	55.584
%11949250.00	59.468	58.863	58.245	57.616	56.978	56.333
%11949910.00	60.357	59.726	59.082	58.427	57.763	57.092
%11950570.00	61.266	60.607	59.935	59.251	58.559	57.860
%11951230.00	62.195	61.505	60.802	60.089	59.367	58.638
%11951890.00	63.145	62.422	61.686	60.939	60.185	59.425
%11952550.00	64.116	63.356	62.584	61.802	61.013	60.219
%11953210.00	65.107	64.308	63.496	62.676	61.850	61.021
%11953870.00	66.120	65.277	64.422	63.560	62.695	61.827
%11954530.00	67.154	66.262	65.361	64.454	63.546	62.638
%11955190.00	68.206	67.262	66.310	65.356	64.402	63.451
%11955850.00	69.277	68.274	67.268	66.262	65.259	64.263
%11956510.00	70.362	69.296	68.231	67.170	66.116	65.073
%11957170.00	71.458	70.324	69.195	68.076	66.969	65.876
%11957830.00	72.560	71.352	70.156	68.976	67.813	66.669
%11958490.00	73.661	72.375	71.109	69.865	68.645	67.449
%11959150.00	74.752	73.384	72.045	70.737	69.459	68.210
%11959810.00	75.822	74.371	72.959	71.586	70.250	68.948
%11960470.00	76.859	75.326	73.842	72.405	71.012	69.659

Y [ft] <- X [ft] ->

	1467599	1468259	1468919	1469579	1470239	1470899
%11961130.00	77.851	76.239	74.687	73.188	71.740	70.338
%11961790.00	78.786	77.102	75.485	73.929	72.429	70.980
%11962450.00	79.655	77.906	76.231	74.622	73.074	71.581
%11963110.00	80.450	78.646	76.919	75.263	73.670	72.137
%11963770.00	81.168	79.317	77.546	75.847	74.216	72.646
%11964430.00	81.807	79.917	78.108	76.373	74.707	73.104
%11965090.00	82.369	80.448	78.606	76.838	75.142	73.510
%11965750.00	82.857	80.907	79.037	77.242	75.519	73.862
%11966410.00	83.272	81.297	79.402	77.583	75.836	74.158
%11967070.00	83.615	81.617	79.699	77.859	76.093	74.397
%11967730.00	83.886	81.866	79.929	78.070	76.287	74.576
%11968390.00	84.083	82.043	80.088	78.214	76.418	74.696
%11969050.00	84.204	82.145	80.174	78.289	76.484	74.754
%11969710.00	84.242	82.167	80.186	78.293	76.482	74.749
%11970370.00	84.192	82.105	80.118	78.222	76.412	74.680
%11971030.00	84.045	81.954	79.967	78.076	76.272	74.547
%11971690.00	83.794	81.708	79.731	77.852	76.060	74.348
%11972350.00	83.430	81.364	79.408	77.549	75.777	74.083
%11973010.00	82.953	80.921	78.997	77.168	75.424	73.755
%11973670.00	82.362	80.381	78.501	76.711	75.002	73.366
%11974330.00	81.666	79.749	77.925	76.183	74.516	72.917
%11974990.00	80.876	79.035	77.275	75.589	73.970	72.413
%11975650.00	80.009	78.251	76.561	74.935	73.369	71.859
%11976310.00	79.078	77.407	75.791	74.230	72.720	71.260
%11976970.00	78.100	76.515	74.976	73.480	72.029	70.621
%11977630.00	77.087	75.588	74.123	72.694	71.302	69.947
%11978290.00	76.051	74.633	73.242	71.879	70.546	69.243
%11978950.00	75.000	73.661	72.340	71.041	69.766	68.516
%11979610.00	73.943	72.676	71.423	70.185	68.967	67.768
%11980270.00	72.884	71.686	70.496	69.318	68.153	67.005
%11980930.00	71.828	70.694	69.564	68.442	67.330	66.230
%11981590.00	70.779	69.705	68.631	67.562	66.499	65.446
%11982250.00	69.740	68.721	67.700	66.681	65.666	64.657
%11982910.00	68.712	67.745	66.773	65.801	64.831	63.864
%11983570.00	67.698	66.778	65.853	64.925	63.997	63.071
%11984230.00	66.698	65.822	64.940	64.054	63.166	62.279
%11984890.00	65.713	64.879	64.037	63.190	62.340	61.489
%11985550.00	64.744	63.949	63.144	62.334	61.519	60.702
%11986210.00	63.792	63.032	62.263	61.487	60.706	59.921
%11986870.00	62.856	62.129	61.393	60.649	59.900	59.146

Y [ft] <- X [ft] ->

	1467599	1468259	1468919	1469579	1470239	1470899
%11987530.00	61.937	61.241	60.535	59.822	59.102	58.377
%11988190.00	61.034	60.367	59.690	59.005	58.313	57.616
%11988850.00	60.148	59.508	58.858	58.200	57.534	56.863
%11989510.00	59.278	58.663	58.038	57.405	56.764	56.118
%11990170.00	58.424	57.833	57.232	56.622	56.005	55.381
%11990830.00	57.585	57.016	56.437	55.850	55.255	54.654
%11991490.00	56.762	56.214	55.656	55.089	54.515	53.935
%11992150.00	55.954	55.425	54.887	54.340	53.786	53.225
%11992810.00	55.160	54.650	54.130	53.602	53.067	52.525
%11993470.00	54.381	53.888	53.386	52.875	52.357	51.833
%11994130.00	53.615	53.138	52.653	52.159	51.658	51.151
%11994790.00	52.863	52.402	51.932	51.454	50.969	50.478
%11995450.00	52.123	51.677	51.222	50.760	50.290	49.814
%11996110.00	51.397	50.964	50.524	50.075	49.620	49.159
%11996770.00	50.683	50.263	49.836	49.402	48.960	48.513
%11997430.00	49.980	49.574	49.159	48.738	48.310	47.876
%11998090.00	49.290	48.895	48.493	48.084	47.668	47.247

Y [ft] <- X [ft] ->

	1471559	1472219	1472879	1473539	1474199	1474859
%11941330.00	47.580	47.138	46.690	46.238	45.783	45.324
%11941990.00	48.206	47.750	47.289	46.824	46.355	45.883
%11942650.00	48.840	48.370	47.895	47.417	46.934	46.448
%11943310.00	49.483	48.999	48.509	48.016	47.519	47.019
%11943970.00	50.135	49.635	49.131	48.622	48.110	47.595
%11944630.00	50.796	50.281	49.760	49.235	48.707	48.177
%11945290.00	51.467	50.934	50.397	49.855	49.311	48.764
%11945950.00	52.146	51.596	51.041	50.482	49.920	49.356
%11946610.00	52.835	52.266	51.692	51.114	50.534	49.952
%11947270.00	53.533	52.944	52.350	51.753	51.154	50.554
%11947930.00	54.240	53.630	53.016	52.398	51.779	51.159
%11948590.00	54.956	54.324	53.688	53.049	52.409	51.768
%11949250.00	55.681	55.025	54.366	53.705	53.043	52.381
%11949910.00	56.415	55.734	55.050	54.365	53.680	52.996
%11950570.00	57.157	56.449	55.740	55.030	54.321	53.613
%11951230.00	57.906	57.170	56.434	55.698	54.963	54.231
%11951890.00	58.662	57.897	57.132	56.368	55.607	54.850
%11952550.00	59.424	58.628	57.833	57.040	56.252	55.468
%11953210.00	60.190	59.361	58.535	57.713	56.895	56.084
%11953870.00	60.961	60.097	59.238	58.384	57.537	56.698
%11954530.00	61.733	60.833	59.939	59.053	58.175	57.307
%11955190.00	62.505	61.567	60.637	59.718	58.808	57.910
%11955850.00	63.276	62.298	61.331	60.376	59.434	58.506

Y [ft] <- X [ft] ->

	1471559	1472219	1472879	1473539	1474199	1474859
%11956510.00	64.041	63.022	62.017	61.027	60.052	59.092
%11957170.00	64.798	63.737	62.693	61.667	60.658	59.667
%11957830.00	65.545	64.441	63.357	62.294	61.251	60.228
%11958490.00	66.277	65.129	64.005	62.905	61.828	60.774
%11959150.00	66.990	65.799	64.635	63.498	62.388	61.303
%11959810.00	67.681	66.446	65.243	64.070	62.926	61.811
%11960470.00	68.345	67.068	65.827	64.618	63.442	62.297
%11961130.00	68.979	67.661	66.382	65.140	63.932	62.758
%11961790.00	69.578	68.221	66.907	65.632	64.394	63.193
%11962450.00	70.139	68.746	67.398	66.092	64.826	63.599
%11963110.00	70.659	69.231	67.852	66.517	65.226	63.974
%11963770.00	71.134	69.675	68.267	66.906	65.590	64.316
%11964430.00	71.562	70.075	68.641	67.257	65.919	64.624
%11965090.00	71.941	70.430	68.972	67.567	66.209	64.896
%11965750.00	72.269	70.736	69.259	67.834	66.459	65.131
%11966410.00	72.545	70.993	69.499	68.058	66.669	65.327
%11967070.00	72.767	71.199	69.691	68.237	66.836	65.484
%11967730.00	72.933	71.354	69.834	68.371	66.961	65.600
%11968390.00	73.043	71.455	69.927	68.457	67.041	65.675
%11969050.00	73.095	71.501	69.970	68.496	67.077	65.708
%11969710.00	73.088	71.493	69.961	68.488	67.068	65.700
%11970370.00	73.021	71.430	69.901	68.430	67.014	65.649
%11971030.00	72.895	71.311	69.789	68.325	66.915	65.556
%11971690.00	72.708	71.136	69.625	68.172	66.772	65.421
%11972350.00	72.462	70.906	69.410	67.971	66.584	65.246
%11973010.00	72.157	70.622	69.146	67.725	66.354	65.031
%11973670.00	71.796	70.286	68.834	67.433	66.082	64.776
%11974330.00	71.380	69.901	68.475	67.099	65.770	64.484
%11974990.00	70.914	69.469	68.073	66.725	65.420	64.157
%11975650.00	70.402	68.993	67.631	66.312	65.035	63.796
%11976310.00	69.846	68.477	67.151	65.864	64.615	63.403
%11976970.00	69.253	67.926	66.636	65.383	64.165	62.981
%11977630.00	68.627	67.342	66.091	64.873	63.687	62.532
%11978290.00	67.971	66.730	65.518	64.336	63.183	62.058
%11978950.00	67.291	66.093	64.922	63.776	62.656	61.562
%11979610.00	66.591	65.436	64.304	63.195	62.109	61.046
%11980270.00	65.874	64.762	63.670	62.597	61.544	60.512
%11980930.00	65.144	64.074	63.020	61.983	60.964	59.963
%11981590.00	64.404	63.374	62.358	61.357	60.370	59.400
%11982250.00	63.657	62.666	61.687	60.720	59.766	58.826

Y [ft]	<- X [ft] ->					
	1471559	1472219	1472879	1473539	1474199	1474859
%11982910.00	62.904	61.952	61.008	60.075	59.152	58.242
%11983570.00	62.149	61.233	60.324	59.423	58.532	57.650
%11984230.00	61.393	60.512	59.636	58.767	57.905	57.052
%11984890.00	60.638	59.790	58.946	58.107	57.274	56.449
%11985550.00	59.885	59.069	58.256	57.446	56.641	55.842
%11986210.00	59.135	58.350	57.566	56.784	56.006	55.232
%11986870.00	58.390	57.633	56.877	56.122	55.370	54.622
%11987530.00	57.650	56.921	56.191	55.462	54.735	54.010
%11988190.00	56.916	56.213	55.508	54.804	54.101	53.399
%11988850.00	56.188	55.510	54.830	54.149	53.469	52.789
%11989510.00	55.467	54.812	54.156	53.498	52.839	52.181
%11990170.00	54.753	54.121	53.487	52.850	52.213	51.575
%11990830.00	54.047	53.437	52.823	52.207	51.590	50.973
%11991490.00	53.349	52.759	52.165	51.569	50.972	50.373
%11992150.00	52.659	52.088	51.514	50.937	50.358	49.777
%11992810.00	51.977	51.425	50.869	50.310	49.748	49.185
%11993470.00	51.303	50.769	50.230	49.688	49.144	48.598
%11994130.00	50.638	50.120	49.598	49.073	48.545	48.015
%11994790.00	49.981	49.479	48.973	48.464	47.951	47.436
%11995450.00	49.332	48.846	48.355	47.861	47.363	46.863
%11996110.00	48.692	48.220	47.744	47.264	46.781	46.295
%11996770.00	48.060	47.602	47.140	46.674	46.204	45.732
%11997430.00	47.436	46.991	46.542	46.090	45.634	45.175
%11998090.00	46.820	46.388	45.952	45.512	45.069	44.623

Y [ft]	<- X [ft] ->					
	1475519	1476179	1476839	1477499	1478159	1478819
%11941330.00	44.863	44.399	43.934	43.467	42.999	42.531
%11941990.00	45.409	44.932	44.454	43.975	43.495	43.014
%11942650.00	45.960	45.470	44.979	44.486	43.993	43.500
%11943310.00	46.517	46.013	45.507	45.001	44.495	43.988
%11943970.00	47.078	46.559	46.039	45.519	44.999	44.479
%11944630.00	47.644	47.110	46.576	46.041	45.506	44.972
%11945290.00	48.215	47.665	47.115	46.565	46.015	45.467
%11945950.00	48.790	48.224	47.657	47.092	46.527	45.963
%11946610.00	49.369	48.786	48.203	47.620	47.040	46.461
%11947270.00	49.952	49.351	48.750	48.151	47.554	46.959
%11947930.00	50.539	49.919	49.300	48.683	48.069	47.458
%11948590.00	51.128	50.489	49.851	49.216	48.584	47.956
%11949250.00	51.719	51.060	50.403	49.749	49.099	48.454
%11949910.00	52.313	51.633	50.956	50.282	49.614	48.950
%11950570.00	52.908	52.206	51.508	50.815	50.127	49.444
%11951230.00	53.503	52.778	52.059	51.345	50.637	49.936

Y [ft] <- X [ft] ->

	1475519	1476179	1476839	1477499	1478159	1478819
%11951890.00	54.097	53.349	52.608	51.873	51.145	50.424
%11952550.00	54.690	53.919	53.154	52.397	51.649	50.908
%11953210.00	55.281	54.484	53.697	52.918	52.148	51.387
%11953870.00	55.867	55.046	54.234	53.432	52.641	51.860
%11954530.00	56.449	55.602	54.765	53.940	53.127	52.326
%11955190.00	57.024	56.150	55.289	54.441	53.605	52.783
%11955850.00	57.591	56.691	55.804	54.932	54.075	53.231
%11956510.00	58.148	57.221	56.309	55.413	54.533	53.669
%11957170.00	58.694	57.739	56.802	55.882	54.980	54.095
%11957830.00	59.226	58.244	57.282	56.338	55.414	54.508
%11958490.00	59.743	58.734	57.746	56.780	55.833	54.907
%11959150.00	60.243	59.207	58.194	57.204	56.237	55.291
%11959810.00	60.722	59.660	58.624	57.612	56.623	55.657
%11960470.00	61.181	60.093	59.033	57.999	56.991	56.006
%11961130.00	61.616	60.504	59.421	58.366	57.338	56.336
%11961790.00	62.025	60.890	59.786	58.711	57.664	56.645
%11962450.00	62.407	61.250	60.125	59.032	57.968	56.932
%11963110.00	62.760	61.582	60.438	59.327	58.247	57.196
%11963770.00	63.082	61.885	60.724	59.597	58.501	57.437
%11964430.00	63.371	62.157	60.980	59.838	58.730	57.653
%11965090.00	63.627	62.397	61.206	60.051	58.931	57.843
%11965750.00	63.847	62.604	61.401	60.235	59.104	58.006
%11966410.00	64.031	62.777	61.564	60.388	59.248	58.143
%11967070.00	64.178	62.915	61.693	60.510	59.363	58.251
%11967730.00	64.287	63.017	61.789	60.600	59.448	58.331
%11968390.00	64.357	63.083	61.850	60.658	59.503	58.383
%11969050.00	64.388	63.111	61.877	60.683	59.526	58.405
%11969710.00	64.379	63.103	61.870	60.676	59.519	58.399
%11970370.00	64.331	63.058	61.827	60.636	59.482	58.363
%11971030.00	64.244	62.976	61.750	60.563	59.414	58.299
%11971690.00	64.118	62.858	61.639	60.459	59.315	58.206
%11972350.00	63.953	62.704	61.494	60.322	59.186	58.084
%11973010.00	63.751	62.514	61.316	60.155	59.029	57.935
%11973670.00	63.513	62.291	61.106	59.957	58.842	57.760
%11974330.00	63.240	62.034	60.865	59.730	58.628	57.558
%11974990.00	62.933	61.746	60.594	59.475	58.388	57.330
%11975650.00	62.594	61.428	60.294	59.193	58.121	57.079
%11976310.00	62.226	61.081	59.968	58.885	57.831	56.804
%11976970.00	61.829	60.708	59.616	58.553	57.517	56.507
%11977630.00	61.407	60.310	59.241	58.198	57.181	56.189

Y [ft]	<- X [ft] ->					
	1475519	1476179	1476839	1477499	1478159	1478819
%11978290.00	60.960	59.889	58.843	57.822	56.825	55.851
%11978950.00	60.492	59.447	58.425	57.426	56.450	55.496
%11979610.00	60.005	58.986	57.989	57.013	56.058	55.123
%11980270.00	59.500	58.508	57.535	56.582	55.649	54.734
%11980930.00	58.979	58.014	57.067	56.137	55.225	54.331
%11981590.00	58.445	57.507	56.584	55.678	54.788	53.914
%11982250.00	57.899	56.987	56.090	55.207	54.339	53.486
%11982910.00	57.343	56.458	55.585	54.725	53.879	53.047
%11983570.00	56.779	55.919	55.071	54.234	53.410	52.598
%11984230.00	56.207	55.373	54.549	53.735	52.932	52.140
%11984890.00	55.630	54.821	54.020	53.229	52.447	51.675
%11985550.00	55.049	54.264	53.486	52.716	51.955	51.204
%11986210.00	54.464	53.702	52.947	52.199	51.459	50.726
%11986870.00	53.877	53.138	52.405	51.678	50.958	50.244
%11987530.00	53.289	52.572	51.860	51.153	50.453	49.758
%11988190.00	52.700	52.005	51.314	50.627	49.945	49.269
%11988850.00	52.112	51.437	50.766	50.099	49.436	48.777
%11989510.00	51.525	50.870	50.218	49.569	48.924	48.284
%11990170.00	50.939	50.304	49.670	49.040	48.412	47.789
%11990830.00	50.355	49.739	49.124	48.511	47.900	47.293
%11991490.00	49.774	49.175	48.578	47.982	47.388	46.797
%11992150.00	49.196	48.615	48.034	47.455	46.877	46.301
%11992810.00	48.621	48.057	47.492	46.929	46.367	45.806
%11993470.00	48.050	47.502	46.953	46.405	45.858	45.312
%11994130.00	47.483	46.950	46.417	45.884	45.351	44.820
%11994790.00	46.920	46.402	45.883	45.365	44.846	44.329
%11995450.00	46.361	45.858	45.353	44.849	44.344	43.839
%11996110.00	45.807	45.318	44.827	44.336	43.844	43.353
%11996770.00	45.258	44.782	44.304	43.826	43.347	42.868
%11997430.00	44.713	44.250	43.785	43.320	42.853	42.386
%11998090.00	44.174	43.723	43.271	42.817	42.362	41.907

Y [ft]	<- X [ft] ->					
	1479479	1480139	1480799	1481459	1482119	1482779
%11941330.00	42.063	41.595	41.128	40.661	40.196	39.732
%11941990.00	42.534	42.054	41.575	41.097	40.621	40.146
%11942650.00	43.007	42.515	42.024	41.535	41.047	40.561
%11943310.00	43.483	42.978	42.475	41.973	41.474	40.976
%11943970.00	43.960	43.443	42.927	42.413	41.901	41.392
%11944630.00	44.440	43.909	43.380	42.853	42.329	41.808
%11945290.00	44.920	44.375	43.833	43.293	42.757	42.223
%11945950.00	45.402	44.843	44.287	43.734	43.184	42.638
%11946610.00	45.884	45.311	44.740	44.174	43.611	43.052

Y [ft] <- X [ft] ->

	1479479	1480139	1480799	1481459	1482119	1482779
%11947270.00	46.367	45.778	45.194	44.613	44.036	43.464
%11947930.00	46.850	46.246	45.646	45.050	44.460	43.874
%11948590.00	47.332	46.712	46.097	45.487	44.882	44.283
%11949250.00	47.812	47.176	46.546	45.920	45.301	44.688
%11949910.00	48.291	47.639	46.992	46.352	45.718	45.090
%11950570.00	48.768	48.098	47.435	46.779	46.130	45.489
%11951230.00	49.242	48.555	47.875	47.203	46.539	45.883
%11951890.00	49.712	49.007	48.310	47.622	46.943	46.272
%11952550.00	50.177	49.454	48.741	48.036	47.341	46.656
%11953210.00	50.637	49.896	49.165	48.444	47.734	47.033
%11953870.00	51.090	50.331	49.582	48.845	48.119	47.404
%11954530.00	51.536	50.758	49.993	49.239	48.497	47.766
%11955190.00	51.974	51.178	50.394	49.624	48.866	48.121
%11955850.00	52.402	51.587	50.787	50.000	49.226	48.466
%11956510.00	52.820	51.987	51.169	50.365	49.576	48.802
%11957170.00	53.227	52.375	51.539	50.720	49.916	49.127
%11957830.00	53.621	52.751	51.898	51.062	50.243	49.440
%11958490.00	54.001	53.113	52.243	51.392	50.558	49.741
%11959150.00	54.365	53.460	52.575	51.708	50.860	50.029
%11959810.00	54.714	53.792	52.891	52.009	51.147	50.304
%11960470.00	55.045	54.107	53.190	52.295	51.419	50.563
%11961130.00	55.358	54.404	53.473	52.564	51.676	50.808
%11961790.00	55.651	54.682	53.737	52.815	51.915	51.036
%11962450.00	55.923	54.941	53.983	53.049	52.137	51.248
%11963110.00	56.174	55.178	54.208	53.263	52.341	51.442
%11963770.00	56.402	55.394	54.413	53.458	52.526	51.618
%11964430.00	56.606	55.588	54.597	53.632	52.692	51.776
%11965090.00	56.786	55.758	54.758	53.785	52.838	51.915
%11965750.00	56.940	55.904	54.897	53.917	52.963	52.034
%11966410.00	57.069	56.026	55.013	54.027	53.067	52.133
%11967070.00	57.172	56.123	55.104	54.114	53.150	52.211
%11967730.00	57.247	56.195	55.172	54.178	53.211	52.269
%11968390.00	57.296	56.241	55.216	54.219	53.250	52.307
%11969050.00	57.317	56.261	55.235	54.238	53.267	52.323
%11969710.00	57.311	56.255	55.230	54.232	53.263	52.319
%11970370.00	57.277	56.224	55.200	54.204	53.236	52.293
%11971030.00	57.217	56.166	55.145	54.153	53.187	52.247
%11971690.00	57.129	56.083	55.067	54.078	53.116	52.180
%11972350.00	57.014	55.975	54.964	53.981	53.024	52.092
%11973010.00	56.874	55.842	54.838	53.862	52.911	51.985

Y [ft] <- X [ft] ->

	1479479	1480139	1480799	1481459	1482119	1482779
%11973670.00	56.708	55.685	54.689	53.720	52.777	51.857
%11974330.00	56.517	55.504	54.518	53.558	52.622	51.710
%11974990.00	56.302	55.300	54.325	53.375	52.448	51.545
%11975650.00	56.064	55.075	54.111	53.172	52.255	51.361
%11976310.00	55.803	54.828	53.877	52.949	52.044	51.160
%11976970.00	55.522	54.561	53.623	52.708	51.814	50.941
%11977630.00	55.221	54.275	53.352	52.450	51.568	50.706
%11978290.00	54.900	53.971	53.062	52.174	51.305	50.456
%11978950.00	54.562	53.649	52.756	51.883	51.028	50.191
%11979610.00	54.208	53.312	52.435	51.576	50.735	49.911
%11980270.00	53.838	52.959	52.099	51.255	50.429	49.619
%11980930.00	53.454	52.593	51.749	50.922	50.110	49.314
%11981590.00	53.056	52.214	51.387	50.576	49.779	48.997
%11982250.00	52.647	51.823	51.014	50.218	49.437	48.669
%11982910.00	52.228	51.422	50.629	49.850	49.084	48.331
%11983570.00	51.798	51.011	50.235	49.473	48.722	47.983
%11984230.00	51.360	50.590	49.833	49.086	48.351	47.627
%11984890.00	50.914	50.163	49.422	48.692	47.972	47.263
%11985550.00	50.461	49.728	49.004	48.290	47.586	46.892
%11986210.00	50.002	49.287	48.580	47.882	47.193	46.514
%11986870.00	49.539	48.841	48.151	47.469	46.795	46.130
%11987530.00	49.070	48.390	47.716	47.050	46.391	45.741
%11988190.00	48.599	47.935	47.277	46.627	45.983	45.347
%11988850.00	48.124	47.477	46.835	46.200	45.571	44.948
%11989510.00	47.647	47.016	46.390	45.770	45.155	44.547
%11990170.00	47.169	46.553	45.943	45.337	44.737	44.142
%11990830.00	46.689	46.089	45.493	44.902	44.316	43.734
%11991490.00	46.209	45.624	45.043	44.466	43.893	43.324
%11992150.00	45.728	45.158	44.591	44.028	43.468	42.913
%11992810.00	45.248	44.692	44.139	43.589	43.043	42.500
%11993470.00	44.768	44.226	43.687	43.150	42.616	42.086
%11994130.00	44.289	43.761	43.235	42.711	42.189	41.671
%11994790.00	43.812	43.297	42.783	42.272	41.763	41.256
%11995450.00	43.336	42.833	42.332	41.833	41.336	40.841
%11996110.00	42.862	42.372	41.883	41.395	40.910	40.426
%11996770.00	42.390	41.912	41.435	40.959	40.484	40.012
%11997430.00	41.920	41.453	40.988	40.523	40.060	39.598
%11998090.00	41.452	40.997	40.543	40.090	39.637	39.186

Y [ft] <- X [ft] ->

	1483439	1484099	1484759	1485419	1486079	1486739
%11941330.00	39.270	38.810	38.352	37.896	37.443	36.993
%11941990.00	39.673	39.203	38.735	38.269	37.806	37.347

Y [ft] <- X [ft] ->

	1483439	1484099	1484759	1485419	1486079	1486739
%11942650.00	40.077	39.596	39.118	38.642	38.170	37.700
%11943310.00	40.482	39.990	39.500	39.015	38.532	38.053
%11943970.00	40.886	40.383	39.883	39.386	38.894	38.405
%11944630.00	41.290	40.775	40.264	39.757	39.254	38.755
%11945290.00	41.693	41.167	40.645	40.127	39.613	39.104
%11945950.00	42.096	41.558	41.024	40.495	39.971	39.451
%11946610.00	42.497	41.947	41.402	40.862	40.326	39.796
%11947270.00	42.897	42.334	41.777	41.226	40.679	40.138
%11947930.00	43.294	42.720	42.150	41.587	41.030	40.478
%11948590.00	43.689	43.102	42.521	41.945	41.377	40.814
%11949250.00	44.081	43.481	42.887	42.300	41.720	41.147
%11949910.00	44.470	43.857	43.251	42.652	42.060	41.475
%11950570.00	44.855	44.228	43.610	42.998	42.395	41.799
%11951230.00	45.235	44.595	43.964	43.340	42.725	42.119
%11951890.00	45.610	44.957	44.313	43.677	43.051	42.433
%11952550.00	45.980	45.313	44.656	44.008	43.370	42.741
%11953210.00	46.343	45.663	44.993	44.333	43.683	43.042
%11953870.00	46.699	46.006	45.323	44.651	43.989	43.337
%11954530.00	47.048	46.341	45.645	44.961	44.288	43.625
%11955190.00	47.388	46.668	45.960	45.263	44.578	43.905
%11955850.00	47.720	46.986	46.265	45.557	44.861	44.177
%11956510.00	48.041	47.295	46.561	45.841	45.134	44.440
%11957170.00	48.353	47.593	46.848	46.116	45.398	44.694
%11957830.00	48.653	47.880	47.123	46.381	45.652	44.937
%11958490.00	48.941	48.156	47.388	46.634	45.895	45.171
%11959150.00	49.216	48.420	47.640	46.876	46.127	45.393
%11959810.00	49.478	48.671	47.880	47.106	46.348	45.605
%11960470.00	49.727	48.908	48.107	47.323	46.556	45.804
%11961130.00	49.960	49.131	48.320	47.527	46.751	45.991
%11961790.00	50.178	49.339	48.519	47.717	46.933	46.166
%11962450.00	50.380	49.532	48.703	47.893	47.101	46.327
%11963110.00	50.565	49.708	48.872	48.054	47.255	46.474
%11963770.00	50.733	49.868	49.024	48.200	47.395	46.608
%11964430.00	50.883	50.011	49.161	48.331	47.520	46.727
%11965090.00	51.015	50.137	49.281	48.445	47.629	46.832
%11965750.00	51.128	50.245	49.384	48.544	47.723	46.922
%11966410.00	51.222	50.335	49.470	48.625	47.801	46.996
%11967070.00	51.297	50.406	49.538	48.690	47.863	47.056
%11967730.00	51.352	50.459	49.588	48.738	47.909	47.099
%11968390.00	51.388	50.493	49.620	48.769	47.938	47.128

Y [ft] <- X [ft] ->

	1483439	1484099	1484759	1485419	1486079	1486739
%11969050.00	51.404	50.508	49.634	48.783	47.951	47.140
%11969710.00	51.399	50.504	49.631	48.779	47.948	47.137
%11970370.00	51.375	50.481	49.609	48.758	47.928	47.118
%11971030.00	51.331	50.439	49.569	48.720	47.892	47.083
%11971690.00	51.267	50.378	49.511	48.665	47.839	47.033
%11972350.00	51.184	50.299	49.436	48.593	47.771	46.967
%11973010.00	51.082	50.201	49.343	48.504	47.686	46.887
%11973670.00	50.961	50.086	49.233	48.399	47.586	46.791
%11974330.00	50.821	49.953	49.106	48.278	47.470	46.680
%11974990.00	50.663	49.803	48.962	48.141	47.339	46.555
%11975650.00	50.488	49.636	48.803	47.989	47.194	46.416
%11976310.00	50.296	49.453	48.628	47.822	47.034	46.263
%11976970.00	50.088	49.254	48.438	47.641	46.860	46.097
%11977630.00	49.864	49.040	48.234	47.445	46.673	45.917
%11978290.00	49.625	48.812	48.016	47.236	46.473	45.726
%11978950.00	49.372	48.569	47.784	47.014	46.261	45.522
%11979610.00	49.105	48.314	47.539	46.780	46.036	45.307
%11980270.00	48.825	48.046	47.283	46.534	45.800	45.080
%11980930.00	48.533	47.766	47.015	46.277	45.553	44.843
%11981590.00	48.229	47.476	46.736	46.009	45.296	44.596
%11982250.00	47.915	47.174	46.446	45.732	45.029	44.340
%11982910.00	47.591	46.863	46.148	45.444	44.753	44.074
%11983570.00	47.257	46.542	45.840	45.148	44.468	43.800
%11984230.00	46.915	46.213	45.523	44.844	44.175	43.518
%11984890.00	46.565	45.877	45.199	44.532	43.875	43.228
%11985550.00	46.207	45.533	44.868	44.212	43.567	42.931
%11986210.00	45.843	45.182	44.530	43.887	43.253	42.628
%11986870.00	45.473	44.825	44.186	43.555	42.932	42.318
%11987530.00	45.098	44.463	43.836	43.217	42.606	42.003
%11988190.00	44.717	44.095	43.481	42.874	42.275	41.683
%11988850.00	44.333	43.724	43.122	42.527	41.939	41.358
%11989510.00	43.944	43.348	42.758	42.175	41.599	41.029
%11990170.00	43.552	42.969	42.391	41.820	41.255	40.696
%11990830.00	43.158	42.587	42.021	41.461	40.907	40.359
%11991490.00	42.761	42.202	41.648	41.100	40.557	40.020
%11992150.00	42.362	41.815	41.273	40.736	40.204	39.677
%11992810.00	41.961	41.426	40.896	40.370	39.848	39.332
%11993470.00	41.559	41.036	40.517	40.002	39.491	38.985
%11994130.00	41.156	40.644	40.136	39.632	39.132	38.636
%11994790.00	40.753	40.252	39.755	39.261	38.771	38.285

Y [ft]	<- X [ft] ->					
	1483439	1484099	1484759	1485419	1486079	1486739
%11995450.00	40.349	39.859	39.373	38.890	38.410	37.933
%11996110.00	39.945	39.466	38.990	38.517	38.047	37.580
%11996770.00	39.542	39.073	38.607	38.144	37.684	37.227
%11997430.00	39.138	38.680	38.225	37.771	37.321	36.873
%11998090.00	38.736	38.288	37.842	37.398	36.957	36.518

Y [ft]	<- X [ft] ->					
	1487399	1488059	1488719	1489379	1490039	1490699
%11941330.00	36.545	36.101	35.659	35.221	34.787	34.356
%11941990.00	36.890	36.437	35.987	35.540	35.098	34.658
%11942650.00	37.234	36.772	36.313	35.858	35.407	34.960
%11943310.00	37.578	37.106	36.638	36.175	35.715	35.260
%11943970.00	37.920	37.439	36.962	36.490	36.022	35.558
%11944630.00	38.261	37.770	37.284	36.803	36.326	35.854
%11945290.00	38.600	38.100	37.605	37.114	36.629	36.148
%11945950.00	38.937	38.427	37.922	37.423	36.929	36.440
%11946610.00	39.271	38.752	38.238	37.729	37.226	36.729
%11947270.00	39.603	39.074	38.550	38.033	37.521	37.015
%11947930.00	39.932	39.393	38.860	38.333	37.812	37.297
%11948590.00	40.258	39.709	39.166	38.629	38.099	37.576
%11949250.00	40.580	40.021	39.468	38.922	38.383	37.851
%11949910.00	40.898	40.328	39.766	39.210	38.662	38.122
%11950570.00	41.212	40.631	40.059	39.494	38.937	38.388
%11951230.00	41.520	40.930	40.348	39.774	39.207	38.649
%11951890.00	41.823	41.223	40.631	40.047	39.472	38.906
%11952550.00	42.121	41.510	40.908	40.315	39.731	39.156
%11953210.00	42.412	41.791	41.180	40.577	39.985	39.401
%11953870.00	42.696	42.065	41.444	40.833	40.232	39.639
%11954530.00	42.974	42.333	41.702	41.082	40.472	39.871
%11955190.00	43.243	42.593	41.953	41.324	40.705	40.096
%11955850.00	43.505	42.845	42.195	41.558	40.930	40.314
%11956510.00	43.758	43.088	42.430	41.783	41.148	40.524
%11957170.00	44.002	43.323	42.656	42.001	41.358	40.726
%11957830.00	44.236	43.548	42.873	42.210	41.559	40.920
%11958490.00	44.460	43.764	43.080	42.409	41.751	41.105
%11959150.00	44.674	43.969	43.277	42.599	41.934	41.281
%11959810.00	44.877	44.164	43.464	42.779	42.107	41.447
%11960470.00	45.068	44.347	43.641	42.948	42.270	41.604
%11961130.00	45.248	44.519	43.806	43.107	42.422	41.751
%11961790.00	45.415	44.680	43.960	43.255	42.564	41.888
%11962450.00	45.569	44.828	44.102	43.391	42.695	42.014
%11963110.00	45.710	44.963	44.232	43.516	42.815	42.129
%11963770.00	45.838	45.086	44.350	43.629	42.924	42.233

Y [ft] <- X [ft] ->

	1487399	1488059	1488719	1489379	1490039	1490699
%11964430.00	45.953	45.195	44.455	43.730	43.020	42.326
%11965090.00	46.053	45.291	44.547	43.818	43.105	42.407
%11965750.00	46.139	45.374	44.625	43.894	43.178	42.477
%11966410.00	46.210	45.442	44.691	43.957	43.238	42.535
%11967070.00	46.267	45.496	44.743	44.007	43.286	42.581
%11967730.00	46.309	45.537	44.782	44.043	43.322	42.615
%11968390.00	46.336	45.562	44.806	44.067	43.344	42.637
%11969050.00	46.348	45.574	44.817	44.078	43.354	42.647
%11969710.00	46.345	45.571	44.815	44.075	43.352	42.644
%11970370.00	46.327	45.554	44.798	44.059	43.337	42.630
%11971030.00	46.294	45.522	44.768	44.030	43.309	42.603
%11971690.00	46.246	45.476	44.724	43.988	43.268	42.564
%11972350.00	46.183	45.416	44.666	43.933	43.216	42.514
%11973010.00	46.105	45.342	44.595	43.865	43.150	42.451
%11973670.00	46.014	45.254	44.511	43.784	43.073	42.377
%11974330.00	45.908	45.153	44.414	43.691	42.984	42.291
%11974990.00	45.788	45.038	44.304	43.586	42.882	42.193
%11975650.00	45.655	44.910	44.182	43.468	42.769	42.085
%11976310.00	45.508	44.770	44.047	43.339	42.645	41.966
%11976970.00	45.349	44.617	43.900	43.198	42.510	41.836
%11977630.00	45.177	44.452	43.742	43.046	42.364	41.695
%11978290.00	44.993	44.276	43.573	42.883	42.207	41.545
%11978950.00	44.798	44.088	43.392	42.710	42.041	41.384
%11979610.00	44.591	43.890	43.202	42.526	41.864	41.214
%11980270.00	44.374	43.681	43.001	42.333	41.678	41.035
%11980930.00	44.146	43.462	42.790	42.131	41.483	40.847
%11981590.00	43.909	43.233	42.570	41.919	41.279	40.650
%11982250.00	43.662	42.996	42.341	41.699	41.067	40.446
%11982910.00	43.406	42.750	42.104	41.470	40.846	40.233
%11983570.00	43.142	42.495	41.859	41.234	40.618	40.013
%11984230.00	42.870	42.233	41.606	40.990	40.383	39.786
%11984890.00	42.591	41.964	41.347	40.739	40.141	39.552
%11985550.00	42.305	41.688	41.080	40.481	39.892	39.311
%11986210.00	42.012	41.405	40.807	40.218	39.637	39.065
%11986870.00	41.713	41.116	40.528	39.948	39.376	38.812
%11987530.00	41.409	40.822	40.243	39.673	39.110	38.555
%11988190.00	41.099	40.523	39.954	39.392	38.838	38.292
%11988850.00	40.785	40.218	39.659	39.107	38.562	38.025
%11989510.00	40.466	39.910	39.360	38.818	38.282	37.753
%11990170.00	40.143	39.597	39.057	38.524	37.997	37.477

Y [ft]	<- X [ft] ->					
	1487399	1488059	1488719	1489379	1490039	1490699
%11990830.00	39.817	39.281	38.751	38.227	37.709	37.197
%11991490.00	39.488	38.961	38.441	37.926	37.417	36.913
%11992150.00	39.155	38.639	38.127	37.622	37.122	36.627
%11992810.00	38.820	38.313	37.812	37.315	36.823	36.337
%11993470.00	38.483	37.986	37.493	37.006	36.523	36.045
%11994130.00	38.144	37.656	37.173	36.694	36.220	35.750
%11994790.00	37.803	37.324	36.850	36.380	35.915	35.453
%11995450.00	37.460	36.991	36.526	36.065	35.608	35.155
%11996110.00	37.117	36.657	36.201	35.748	35.299	34.854
%11996770.00	36.772	36.321	35.874	35.430	34.989	34.552
%11997430.00	36.427	35.985	35.546	35.110	34.678	34.249
%11998090.00	36.082	35.648	35.218	34.790	34.366	33.945

Y [ft]	<- X [ft] ->					
	1491359	1492019	1492679	1493339	1493999	1494659
%11941330.00	33.928	33.504	33.084	32.667	32.254	31.845
%11941990.00	34.223	33.791	33.364	32.940	32.520	32.105
%11942650.00	34.517	34.078	33.643	33.212	32.785	32.363
%11943310.00	34.809	34.362	33.919	33.481	33.048	32.618
%11943970.00	35.099	34.644	34.194	33.749	33.308	32.872
%11944630.00	35.387	34.925	34.467	34.014	33.566	33.124
%11945290.00	35.673	35.203	34.737	34.277	33.822	33.372
%11945950.00	35.956	35.478	35.005	34.538	34.075	33.619
%11946610.00	36.237	35.751	35.270	34.795	34.326	33.862
%11947270.00	36.514	36.020	35.532	35.049	34.573	34.102
%11947930.00	36.789	36.286	35.790	35.300	34.816	34.339
%11948590.00	37.059	36.549	36.045	35.547	35.056	34.572
%11949250.00	37.326	36.807	36.296	35.791	35.293	34.801
%11949910.00	37.588	37.062	36.542	36.030	35.525	35.026
%11950570.00	37.846	37.312	36.785	36.265	35.752	35.247
%11951230.00	38.099	37.557	37.022	36.495	35.975	35.463
%11951890.00	38.347	37.797	37.254	36.720	36.194	35.675
%11952550.00	38.590	38.031	37.482	36.940	36.407	35.881
%11953210.00	38.826	38.260	37.703	37.154	36.614	36.082
%11953870.00	39.057	38.483	37.919	37.363	36.816	36.277
%11954530.00	39.281	38.700	38.128	37.565	37.012	36.467
%11955190.00	39.498	38.910	38.331	37.761	37.201	36.651
%11955850.00	39.708	39.112	38.527	37.951	37.385	36.828
%11956510.00	39.911	39.308	38.716	38.133	37.561	36.998
%11957170.00	40.106	39.496	38.897	38.309	37.730	37.162
%11957830.00	40.292	39.676	39.071	38.476	37.892	37.318
%11958490.00	40.471	39.848	39.237	38.636	38.047	37.468
%11959150.00	40.640	40.011	39.394	38.788	38.194	37.609

Y [ft] <- X [ft] ->

	1491359	1492019	1492679	1493339	1493999	1494659
%11959810.00	40.801	40.166	39.543	38.932	38.332	37.743
%11960470.00	40.952	40.312	39.684	39.067	38.463	37.869
%11961130.00	41.093	40.448	39.815	39.194	38.585	37.987
%11961790.00	41.224	40.574	39.937	39.311	38.698	38.096
%11962450.00	41.346	40.691	40.049	39.420	38.802	38.197
%11963110.00	41.457	40.798	40.152	39.519	38.898	38.289
%11963770.00	41.557	40.894	40.245	39.608	38.984	38.372
%11964430.00	41.646	40.980	40.327	39.688	39.061	38.446
%11965090.00	41.724	41.055	40.400	39.757	39.128	38.511
%11965750.00	41.791	41.120	40.462	39.817	39.185	38.566
%11966410.00	41.847	41.173	40.513	39.867	39.233	38.612
%11967070.00	41.891	41.216	40.554	39.906	39.271	38.649
%11967730.00	41.924	41.247	40.584	39.935	39.299	38.676
%11968390.00	41.945	41.267	40.604	39.954	39.317	38.693
%11969050.00	41.954	41.276	40.613	39.962	39.325	38.701
%11969710.00	41.952	41.274	40.610	39.960	39.323	38.699
%11970370.00	41.938	41.261	40.598	39.948	39.311	38.688
%11971030.00	41.912	41.236	40.574	39.925	39.290	38.667
%11971690.00	41.875	41.200	40.539	39.892	39.258	38.636
%11972350.00	41.826	41.153	40.494	39.849	39.216	38.596
%11973010.00	41.766	41.096	40.439	39.795	39.164	38.546
%11973670.00	41.695	41.027	40.373	39.731	39.103	38.487
%11974330.00	41.612	40.948	40.296	39.658	39.032	38.419
%11974990.00	41.519	40.858	40.210	39.575	38.952	38.341
%11975650.00	41.414	40.757	40.113	39.482	38.862	38.255
%11976310.00	41.300	40.647	40.007	39.379	38.763	38.159
%11976970.00	41.175	40.526	39.891	39.267	38.656	38.056
%11977630.00	41.039	40.396	39.765	39.146	38.539	37.943
%11978290.00	40.894	40.257	39.631	39.017	38.414	37.822
%11978950.00	40.740	40.108	39.487	38.878	38.281	37.693
%11979610.00	40.576	39.950	39.335	38.732	38.139	37.557
%11980270.00	40.404	39.784	39.175	38.577	37.989	37.412
%11980930.00	40.222	39.609	39.006	38.414	37.832	37.260
%11981590.00	40.033	39.426	38.830	38.244	37.668	37.101
%11982250.00	39.835	39.235	38.646	38.066	37.496	36.935
%11982910.00	39.630	39.037	38.454	37.881	37.317	36.762
%11983570.00	39.418	38.832	38.256	37.689	37.132	36.583
%11984230.00	39.198	38.620	38.051	37.491	36.940	36.397
%11984890.00	38.972	38.401	37.840	37.286	36.742	36.206
%11985550.00	38.740	38.177	37.622	37.076	36.538	36.009

Y [ft] <- X [ft] ->

	1491359	1492019	1492679	1493339	1493999	1494659
%11986210.00	38.501	37.946	37.399	36.860	36.329	35.806
%11986870.00	38.257	37.710	37.170	36.638	36.114	35.598
%11987530.00	38.008	37.468	36.936	36.411	35.894	35.385
%11988190.00	37.753	37.221	36.697	36.180	35.670	35.167
%11988850.00	37.494	36.970	36.454	35.944	35.441	34.945
%11989510.00	37.230	36.715	36.206	35.703	35.207	34.718
%11990170.00	36.962	36.455	35.954	35.459	34.970	34.488
%11990830.00	36.691	36.191	35.698	35.210	34.729	34.253
%11991490.00	36.416	35.924	35.438	34.958	34.484	34.016
%11992150.00	36.138	35.654	35.176	34.703	34.236	33.774
%11992810.00	35.856	35.380	34.910	34.445	33.985	33.530
%11993470.00	35.572	35.104	34.641	34.184	33.731	33.283
%11994130.00	35.286	34.826	34.370	33.920	33.474	33.033
%11994790.00	34.997	34.544	34.097	33.654	33.215	32.781
%11995450.00	34.706	34.261	33.821	33.385	32.954	32.527
%11996110.00	34.413	33.976	33.544	33.115	32.690	32.270
%11996770.00	34.119	33.690	33.264	32.843	32.425	32.012
%11997430.00	33.824	33.402	32.983	32.569	32.158	31.751
%11998090.00	33.527	33.112	32.701	32.294	31.890	31.490

WWC

NEW APPLICATION

COPY

Woodruff Water Company
2555 E. Camelback Road, Suite 700
Phoenix, AZ 85016

RECEIVED

2004 JUN 10 P 4: 37

AZ CORP COMMISSION
DOCUMENT CONTROL

June 15, 2004

Docket Control
Arizona Corporation Commission
1200 W. Washington Street
Phoenix, AZ 85004

W-04264A-04-0438

To Whom It May Concern:

Attached is an application by Woodruff Water Company for a new water certificate of convenience and necessity (CC&N). Woodruff Water Company was formed to provide water service to a 9000 unit planned community that will be developed in the area located just west of the City of Coolidge, which is more particularly described in Attachment B. The water CC&N is required at this time to enable the company to serve the development. Given the demand for water, it serves the public interest for the commission to grant a water CC&N to Woodruff Utility Company.

Notice of this application was given to all property owners and copies of notices are attached as Exhibit E. In addition, we have attached an index of materials submitted with this application for your reference on the following page.

Sincerely,

Karl Polen
Vice President

Enclosures

Arizona Corporation Commission
DOCKETED
JUN 10 2004
DOCKETED BY

WWC-1
Admittal

Index to Application for
New Water Certificate of Convenience & Necessity
Woodruff Water Company

Attachment A:	Docket control cover letter, docket control cover sheet application, pages 1-8.
Attachment B:	Detailed map of area requested.
Attachment B-1:	Meets and bounds survey or cadastral description.
Attachment C:	Pro forma balance sheets - financial information.
Attachment C- 2:	Income statement, operating revenue and expenses.
Attachment C-3:	Itemized list of major plant components.
Attachment C-4:	Plant and service.
Attachment D:	Water tariff schedule.
Attachment E:	Public notices.
Attachment F:	Certificate of good standing.
Attachment G:	Articles of incorporation, Woodruff Water Company.
Attachment H.	By-laws, Woodruff Water Company.
Attachment I.	Franchise
Attachment J.	Approval to construct.
Attachment K	Estimated property taxes.
Attachment L	Designation of Assured Water Supply, or the developer's Certificate of Assured Water Supply issued by the Arizona Department of Water Resources
Attachment M	Development Plan

Woodruff Water Company
Detailed Index of Schedules

ACC Forms	Number of Page	Page Number	
	2 Pages	1 & 2	Balance Sheet, Attachment C
	1 Page	Unnumbered	Income Statement, Attachment CS-2
	5 Pages	1 thru 5	Plant Cost, Attachment CS-4
	1 Page	1 & 2	Tariff Attachment D

BEHIND
TARIFF ATTACHMENT D
SUPPORTING SCHEDULES

Schedules for Staff	Page(s)		
1	1	1	Balance Sheet
1.1	Summary	1.1	Summary of Plant Additions by Year
1a	5 Pages	1 thru 5	Plant and Depreciation, 5 Pages
1b	1 Page	1	Financing of Plant & Operating Losses
1c	1 Page	1	Advances and Refunds
1d	1 Page	1	Meter Deposits and Refunds (If Applicable)
1e	1 Page	1	Contributions in Aid of Construction (Not Used)
2	1 Page	1	Income Statement
2a	1 Page	1	Projected Revenues all customers
2a	1 Page	2	Customer Counts all customers
2a	1 Page	3	Gallons Treated or Sold, all customers
2a	1 Page	4	Projected Revenues, customers, gallons for 5/8 Inch residential class
2a	1 Page	5	Projected Revenues, customers, gallons for School
2a	1 Page	6	Projected Revenues, customers, gallons 5/8 Inch commercial class
2a	1 Page	7	Projected Revenues, customers, gallons 1 Inch commercial class
2a	1 Page	8	Projected Revenues, customers, gallons 2 Inch commercial class
2a	1 Page	~~9~~ N/A	Effluent, (If Applicable)
2b	1 Page	1	Property Taxes
3	1 Page	1	Projected Cash Flow
4	2 Pages	1 & 2	Proposed Rates
5	1 Page	1	Service Charges

Index to Application for
New Water Certificate of Convenience & Necessity
Woodruff Water Company

Attachment A:	Docket control cover letter, docket control cover sheet application, pages 1-8.
Attachment B:	Detailed map of area requested.
Attachment B-1:	Meets and bounds survey or cadastral description.
Attachment C:	Pro forma balance sheets - financial information.
Attachment C- 2:	Income statement, operating revenue and expenses.
Attachment C-3:	Itemized list of major plant components.
Attachment C-4:	Plant and service.
Attachment D:	Water tariff schedule.
Attachment E:	Public notices.
Attachment F:	Certificate of good standing.
Attachment G:	Articles of incorporation, Woodruff Water Company.
Attachment H.	By-laws, Woodruff Water Company.
Attachment I.	Franchise
Attachment J.	Approval to construct.
Attachment K	Estimated property taxes.
Attachment L	Designation of Assured Water Supply, or the developer's Certificate of Assured Water Supply issued by the Arizona Department of Water Resources
Attachment M	Development Plan

Woodruff Water Company
Detailed Index of Schedules

ACC Forms	Number of Page	Page Number	
	2 Pages	1 & 2	Balance Sheet, Attachment C
	1 Page	Unnumbered	Income Statement, Attachment CS-2
	5 Pages	1 thru 5	Plant Cost, Attachment CS-4
	1 Page	1 & 2	Tariff Attachment D

BEHIND TARIFF ATTACHMENT D SUPPORTING SCHEDUES

Schedules for Staff	Page(s)		
1	1	1	Balance Sheet
1.1	Summary	1.1	Summary of Plant Additions by Year
1a	5 Pages	1 thru 5	Plant and Depreciation, 5 Pages
1b	1 Page	1	Financing of Plant & Operating Losses
1c	1 Page	1	Advances and Refunds
1d	1 Page	1	Meter Deposits and Refunds (If Applicable)
1e	1 Page	1	Contributions in Aid of Construction (Not Used)
2	1 Page	1	Income Statement
2a	1 Page	1	Projected Revenues all customers
2a	1 Page	2	Customer Counts all customers
2a	1 Page	3	Gallons Treated or Sold, all customers
2a	1 Page	4	Projected Revenues, customers, gallons for 5/8 Inch residential class
2a	1 Page	5	Projected Revenues, customers, gallons for School
2a	1 Page	6	Projected Revenues, customers, gallons 5/8 Inch commercial class
2a	1 Page	7	Projected Revenues, customers, gallons 1 Inch commercial class
2a	1 Page	8	Projected Revenues, customers, gallons 2 Inch commercial class
2a	1 Page	~~9~~ N/A	Effluent, (If Applicable)
2b	1 Page	1	Property Taxes
3	1 Page	1	Projected Cash Flow
4	2 Pages	1 & 2	Proposed Rates
5	1 Page	1	Service Charges

A

Index to Application for
New Water Certificate of Convenience & Necessity
Woodruff Water Company

Attachment A:	Docket control cover letter, docket control cover sheet application, pages 1-8.
Attachment B:	Detailed map of area requested.
Attachment B-1:	Meets and bounds survey or cadastral description.
Attachment C:	Pro forma balance sheets - financial information.
Attachment C- 2:	Income statement, operating revenue and expenses.
Attachment C-3:	Itemized list of major plant components.
Attachment C-4:	Plant and service.
Attachment D:	Water tariff schedule.
Attachment E:	Public notices.
Attachment F:	Certificate of good standing.
Attachment G:	Articles of incorporation, Woodruff Water Company.
Attachment H.	By-laws, Woodruff Water Company.
Attachment I.	Franchise
Attachment J.	Approval to construct.
Attachment K	Estimated property taxes.
Attachment L	Designation of Assured Water Supply, or the developer's Certificate of Assured Water Supply issued by the Arizona Department of Water Resources
Attachment M	Development Plan

Woodruff Water Company
Detailed Index of Schedules

ACC Forms	Number of Page	Page Number	
	2 Pages	1 & 2	Balance Sheet, Attachment C
	1 Page	Unnumbered	Income Statement, Attachment CS-2
	5 Pages	1 thru 5	Plant Cost, Attachment CS-4
	1 Page	1 & 2	Tariff Attachment D

Schedules for Staff	Page(s)		TARIFF ATTACHMENT D SUPPORTING SCHEDULES
1	1	1	Balance Sheet
1.1	Summary	1.1	Summary of Plant Additions by Year
1a	5 Pages	1 thru 5	Plant and Depreciation, 5 Pages
1b	1 Page	1	Financing of Plant & Operating Losses
1c	1 Page	1	Advances and Refunds
1d	1 Page	1	Meter Deposits and Refunds (If Applicable)
1e	1 Page	1	Contributions in Aid of Construction (Not Used)
2	1 Page	1	Income Statement
2a	1 Page	1	Projected Revenues all customers
2a	1 Page	2	Customer Counts all customers
2a	1 Page	3	Gallons Treated or Sold, all customers
2a	1 Page	4	Projected Revenues, customers, gallons for 5/8 Inch residential class
2a	1 Page	5	Projected Revenues, customers, gallons for School
2a	1 Page	6	Projected Revenues, customers, gallons 5/8 Inch commercial class
2a	1 Page	7	Projected Revenues, customers, gallons 1 Inch commercial class
2a	1 Page	8	Projected Revenues, customers, gallons 2 Inch commercial class
2a	1 Page	~~9~~ N/A	Effluent, (If Applicable)
2b	1 Page	1	Property Taxes
3	1 Page	1	Projected Cash Flow
4	2 Pages	1 & 2	Proposed Rates
5	1 Page	1	Service Charges

Cover Sheet

Do Not Use This Space
Official Use Only

Do Not Use This Space
Official Use Only

COMPANY NAME: WOODRUFF WATER COMPANY, Inc
DBA (if applicable): _____
DOCKET NUMBER(s): _____

INSTRUCTIONS: Please choose the item that best describes the nature of the case/filing.

UTILITIES – NEW APPLICATION

- √ New CC&N
- ____ Extension of CC&N
- ____ Deletion of CC&N
- ____ Cancellation of CC&N
- ____ Tariff (NEW)
- ____ Miscellaneous - Specify: _____
- ____ Interconnection Agreement
- ____ Rates
- ____ Financing
- ____ Formal Complaint

UTILITIES – REVISIONS/AMENDMENTS/COMPLIANCE

Application
- Decision No: _____
- Docket No: _____

Tariff
- Promotional: _____
- Compliance: _____

MISCELLANEOUS FILINGS

- ____ Affidavit (Publication, Public Notice)
- ____ Request/Motion
- ____ Comments
- ____ Exception
- ____ Exhibit(s)
- ____ Miscellaneous - Specify: _____
- ____ Motion to Intervene
- ____ Notice of Errata
- ____ Testimony
- ____ Response / Reply
- ____ Witness List

6/8/2004
Date

Karl L. Polen Jr.
(i.e. Contact Person, Respondent, Attorney, Applicant, etc.)

Revised 12/21/03

ARIZONA CORPORATION COMMISSION

APPLICATION FOR A CERTIFICATE OF CONVENIENCE AND NECESSITY

WATER AND/OR SEWER

A. The name, address and telephone number of the Applicant (Company) is:

Woodruff Water Company, Inc.

2555 E. Camelback Road, Suite 700

Phoenix, AZ 85016 Telephone: 602-956-7200

B. If doing business (d.b.a.) under a name other than the Applicant (Company) name listed above, specify:

N/A

C. List the name, address and telephone number of the management contact:

Karl Polen, Jr.

2555 E. Camelback Road, Suite 700

Phoenix, AZ 85016 Telephone: 602-956-7200

D. List the name, address and telephone number of the attorney for the Applicant:

Norman James C/O Fennemore Craig

3003 N Central Ave., Suite 2600

Phoenix, AZ 85012 602-916-5000 x5346

E. List the name, address and telephone number of the operator certified by the Arizona Department of Environmental Quality:

To be late filed - October 2006

F. List the name, address and telephone number of the on-site manager of the utility:

To be late filed, October 2006

G. The Applicant is a:

X Corporation: X "C", ____ "S", ____ Non-Profit X Arizona, ____ Foreign	____Partnership ____Limited, ____ General ____ Arizona, ____ Foreign
____ Sole Proprietorship	____ Limited Liability Company (LLC)
____ Other (Specify)	

H. If Applicant is a corporation:

1. List names of Officers and Directors:

Officers	Directors
Karl Polen, Jr.	Karl Polen, Jr.

X 2. Attach a copy of the corporation's "Certificate of Good Standing" issued by the Corporation's Division of the Arizona Corporation Commission. Attachment "F"

X 3. Attach a copy of the Articles of Incorporation. Attachment "G"

X 4. Attach a copy of the corporation's By-Laws. To be late filed - Attachment "H"

N/A 5. If a for-profit corporation, indicate the number of shares of stock authorized for issue:

6. If stock has been issued, indicate the number of shares issued and date of issue:

100,000 shares, April 2004

H. If the Applicant is a partnership:

1. List the names of the general partners:

N/A

2. List the name, address and telephone number of the managing partners:

N/A

3. Attach a copy of the Partnership's Articles of Partnership.

- If the Applicant is a foreign limited partnership, provide a copy of the Partnership's "Certificate of Registration" filed with the Arizona Secretary of State.

J. If the Applicant is a sole proprietor, list the name, address and telephone number of the proprietor:

N/A

K. If the Applicant is a Limited Liability Company:

1. List the names of managers:

L. List the names and addresses of any other public utility interest, which the applicant may have:

Woodruff Utility Company, Inc. - New CCN Application in Process

x M. Attach a description of the area requested using **CADASTRAL** (quarter section description) or **Metes and Bounds** survey. References to parcels and dockets will not be accepted. Attachment "B-1

x N. Attach a detailed map using the form provided as Attachment "B". Shade and outline the area requested. Also, indicate any other utility within the general area using different colors.

x O. Attach financial information in a format similar to Attachment "C".

P. Explain the method of financing utility facilities. Refer to the instructions, item no. 7. (Use additional sheets if necessary):

Equity

Q. Estimated starting and completion dates of construction of utility facilities:

Starting date October 2005 Completion November 2006

x R. Attach proposed Tariffs using either the water or sewer format of Attachment "D", unless the Utilities Division, prior to the filing of this application, approves another form.

S. Attach the following permits:

x 1. The franchise from either the City or County for the area requested. Attachment " I " To be late Filed - Nov 2004

2. The Arizona Department of Environmental Quality (or its designee's) approval to construct facilities. Attachment " J " To be Late Filed - October 2005

3. The Arizona State Land Department approval. (If you are including any State land in your requested area this approval is needed.) N/A

4. Any U.S. Forest Service approval. (If you are including any U.S. Forest Service land in your requested area this approval is needed.) N/A

5. (WATER ONLY) If the area requested is within an Active Management Area, attach a copy of the utility's Designation of an Assured Water Supply, or the developer's Certificate of Assured Water Supply issued by the Arizona Department of Water Resources, whichever applies.
   - If the area requested is outside an Active Management Area, attach the developer's Adequacy Statement issued by the Arizona Department of Water Resources, if applied for by the developer. Utilities Designation of Assured Water Supply to be late filed: Attachment "L"
   - If the area requested is outside an Active Management Area and the developer does not obtain an Adequacy Statement, provide sufficient detail to prove that adequate water exists to provide water to the area requested.

x 6. Provide a copy of your estimated property taxes. This may be obtained by contacting the Arizona Department of Revenue, Division of Property Valuation and Equalization. You must provide them with a five (5) year projection of the original cost of the plant, depreciation expense, the location of the property and the school district. Attachment " K "

T. Provide the following information:

1. Indicate the estimated number of customers, by class, to be served in each of the first five years of operation:

Residential:

First Year 300 Second Year 900 Third Year 1500 Fourth Year 2100

Fifth Year 2700

Commercial:

First Year 0 Second Year 5 Third Year 11 Fourth Year 16

Fifth Year 21

Industrial:

First Year 0 Second Year 0 Third Year 0 Fourth Year 0

Fifth Year 0

Irrigation:

First Year 0 Second Year 0 Third Year 0 Fourth Year 0
Fifth Year 0

2. Indicate the projected annual water consumption or sewerage treatment, in gallons, for each of the customer classes for each of the first five years of operation:

Residential:

First Year 18,000,000 Second Year 72,000,000 Third Year 144,000,000 Fourth Year 216,000,000

Fifth Year 288,000,000

Commercial:

First Year 0 Second Year 912,500 Third Year 5,475,000 Fourth Year 10,037,50

Fifth Year 11,862,50

Industrial:

First Year 0 Second Year 0 Third Year 0 Fourth Year 0

Fifth Year 0

Irrigation:

First Year 0 Second Year 0 Third Year 0 Fourth Year 0

Fifth Year 0

3. Indicate the total estimated annual operating revenue for each of the first five years of operation:

Residential:

First Year 102,600 Second Year 378,440 Third Year 733,145

Fourth Year 1,087,729 Fifth Year 1,433,609

Commercial:

First Year 0 Second Year 4,040 Third Year 20,345

Fourth Year 36,529 Fifth Year 44,009

Industrial:

First Year 0 Second Year 0 Third Year 0

Fourth Year 0 Fifth Year 0

Irrigation:

First Year 0 Second Year 0 Third Year 0

Fourth Year 0 Fifth Year 0

4. Indicate the total estimated annual operating expenses for each of the first five years of operation:

Residential:

First Year 347,363 Second Year 599,021 Third Year 687,554

Fourth Year 775,354 Fifth Year 976,899

Commercial:

First Year 0 Second Year 7,688 Third Year 27,135

Fourth Year 37,705 Fifth Year 41,895

Industrial:

First Year 0 Second Year 0 Third Year 0

Fourth Year 0 Fifth Year 0

Irrigation:

First Year 0 Second Year 0 Third Year 0

Fourth Year 0 Fifth Year 0

5. Attach an itemized list of the major components of the water or sewer system (see Attachment C-3).

6. Indicate the total estimated cost to construct utility facilities:

$8,552,625

(Signature of Authorized Representative)

KARL L. POLEN JR.

(Type or Print Name Here)

VICE PRESIDENT

(Title)

SUBSCRIBED AND SWORN to before me this 8th day of June, 2004

Jackie A. Reed

NOTARY PUBLIC

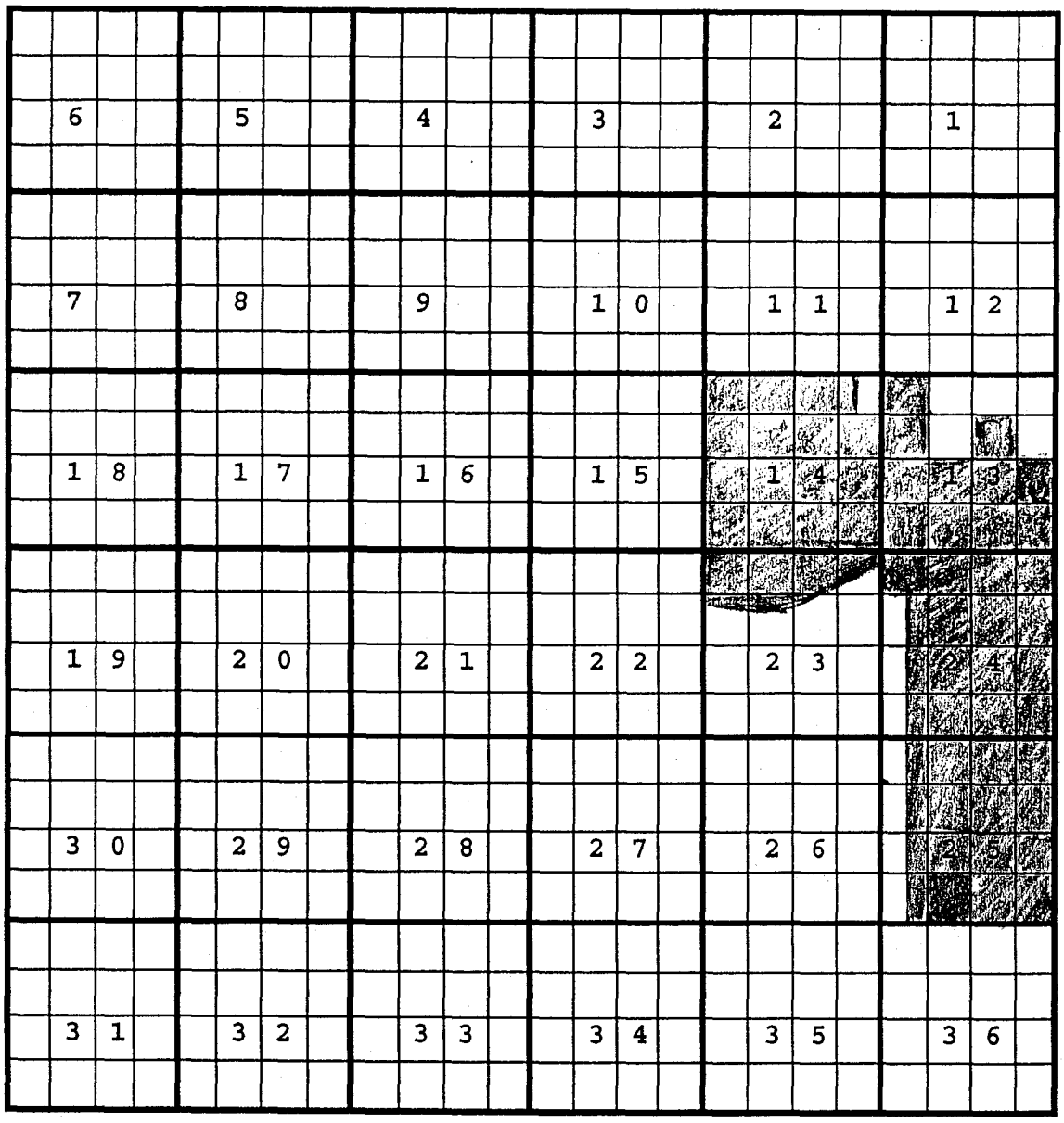
My Commission Expires 6-15-07

OFFICIAL SEAL
JACKIE A. REED
NOTARY PUBLIC - ARIZONA
MARICOPA COUNTY
My Comm. Expires June 15, 2007

B

ATTACHMENT "B"

COUNTY	SECTION	TOWNSHIP	RANGE
Pinal County West of Coolidge	Sections 13, 14, 23, 24, 25	Township 5 South	Range 7 East



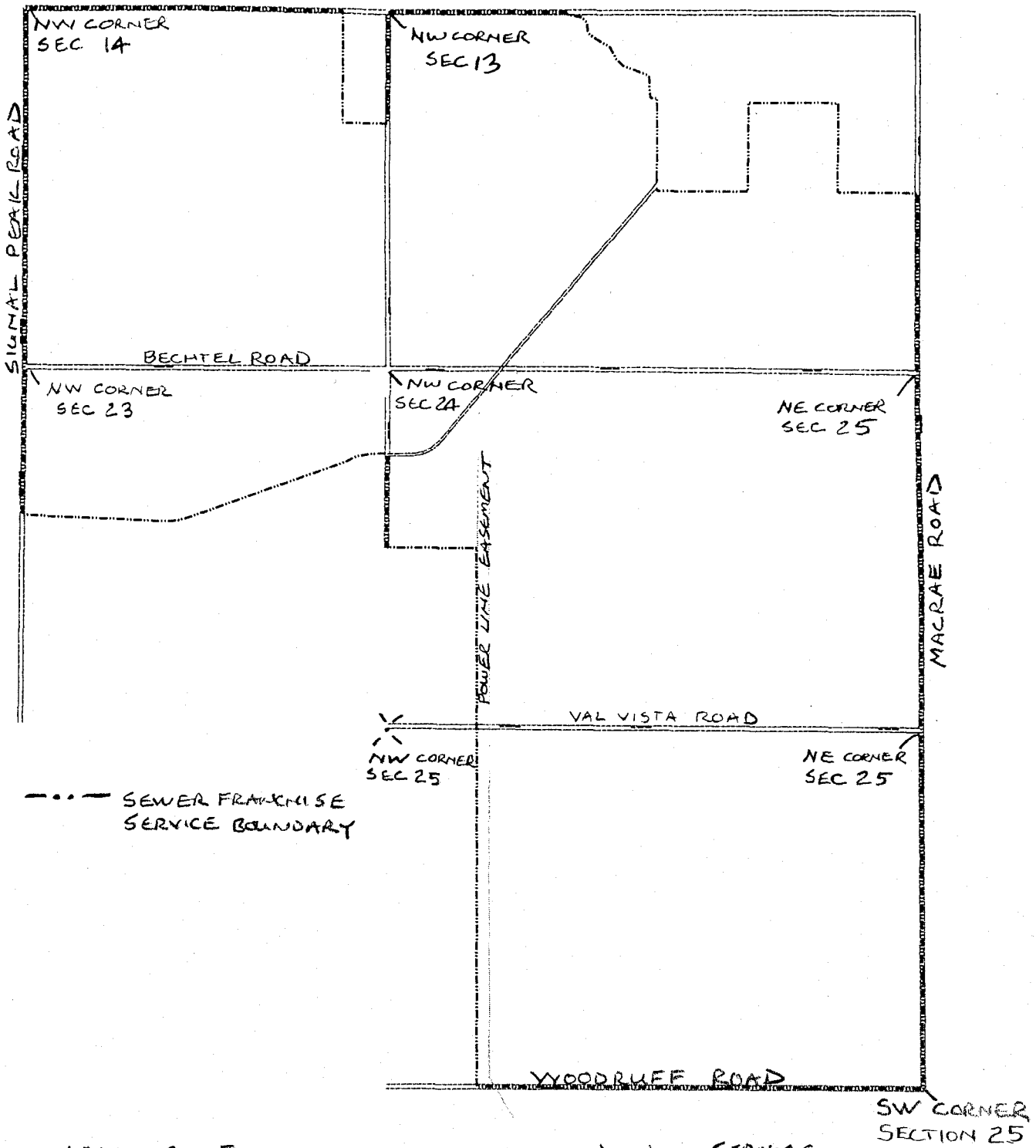
Type or Print Description Here:

Woodruff Water Company - Water Service Franchise Area -

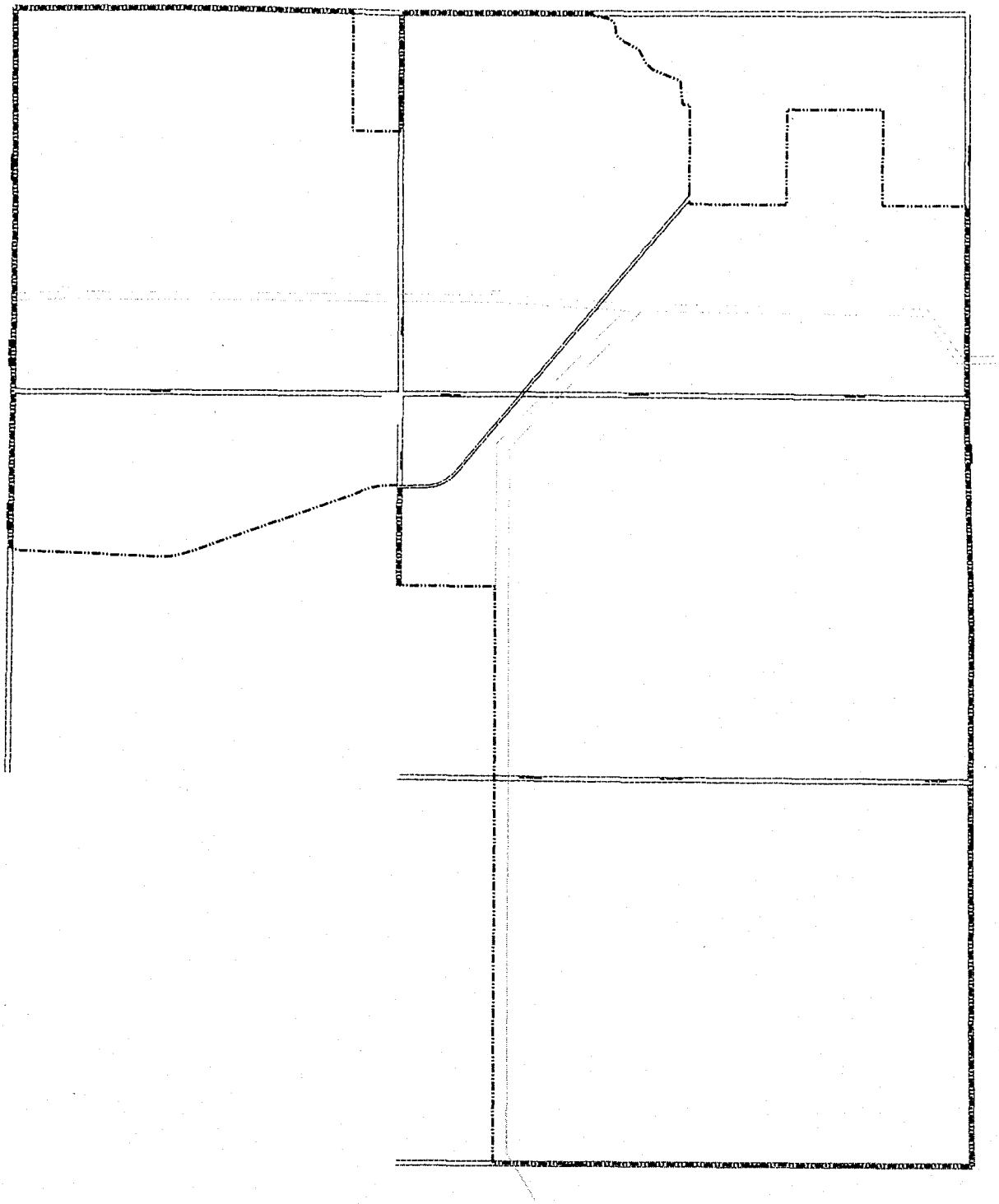
ATTACHMENT "B"

PINAL COUNTY
WEST OF COOLIDGE

SECTIONS 13, 14, 23, 24, 25
TOWNSHIP 5 SOUTH
RANGE 7 EAST



WOODRUFF WATER COMPANY - Water SERVICE FRANCHISE AREA



ATTACHMENT – B-1

Meets and Bounds Survey

ATTACHMENT B-1

Legal Description
Property Located in Sections 13, 14, 23, 24, and 25,
Township 5 South, Range 7 East,
of the Gila and Salt River Base and Meridian
May, 13, 2004

The following legal description has been prepared based on the ALTA Surveys prepared by WRG Design, Inc., for the Sandia properties. This legal description is a composite legal description for both of the above described properties and sets for the total combined gross area of both properties.

A parcel of land located in Sections 13, 14, 23, 24, and 25 Township 5 South, Range 7 East, of the Gila and Salt River Base and Meridian, Pinal County, Arizona, more particularly described as follows.

Beginning at a 5/8" iron rod monumenting the southwest corner of Section 14; thence N 00°31'43" E 2642.66 feet along the West line of Section 14, to a 3/4" iron rod monumenting the West quarter corner of said Section 14; Thence continuing along said West line N 00°00'36" W 2635.33 feet to a 3/4" iron rod monumenting the northwest corner of said Section 14; Thence N 89°52'59" E 2631.86 feet along the North line of said Section 14, to a 3/4" iron rod monumenting the North quarter corner of Section 14; Thence continuing along said North line S 88°45'43" E 1991.02 feet, to a point at the northeast corner of the West half of the northeast quarter of the northeast quarter, Section 14; Thence S 00°12'14" W 1640.93 feet to the southwest corner of the North 5 acres of the East half of the southeast quarter of the northeast quarter, Section 14; thence S 89°36'16" E 661.75 feet along the South line of North 5 acres of the East half of the southeast quarter of the northeast quarter, Section 14, to a point on the East line of said Section 14; Thence N 00°16'03" E 1631.17 feet along said East line, to the northeast corner of said Section 14; Thence N 89°59'59" E 2624.14 feet along the North line of Section 13, to a G.L.O. brass cap monument at the North quarter corner of said Section 13; Thence S 82°35'33" E 398.40 feet, to a point; Thence S 74°19'38" E 104.24 feet, to a point; Thence S 61°20'53" E 82.69 feet, to a point; Thence S 53°04'34" E 514.00 feet, to a point; Thence S 49°01'16" E 382.30 feet, to a point; Thence S 44°04'05" E 146.45 feet, to a point; Thence S 41°57'17" E 658.86 feet, to a point; Thence S 89°32'32" E 815.13 feet, to a point on the West line of Government Lot 2;

ATTACHMENT B-1

Thence S 00°06'43" W 37.10 feet, to the southwest corner of said Lot 2 and coincident with the northwest corner of Government Lot 5; Thence S 89°49'58" E 1312.70 feet along the North line of Lot 5, to the northeast corner thereof; Thence S 00°07'43" W 1317.49 feet along the East line of Lot 5 to the southeast corner thereof and coincident with the northwest corner of Government lot 7; Thence S 89°41'56" E 1158.92 feet along the North line of Lot 7, to an iron rod at the East quarter corner of Section 13; Thence S 00°05'12" E 2654.10 feet along the East line of Section 13, to the southeast corner thereof; Thence S 00° 05'12" E 441.54 feet along the East line of Section 24, to a point; Thence continuing along said East line S 01°20'51" E 2206.52 feet, to the East quarter corner of said Section 24; Thence continuing along said East line S 01°20'51" E 447.15 feet, to a point; Thence continuing along said East line S 00°13'24" W 2200.06 feet, to a half inch iron rod at the southeast corner of said Section 24; Thence N 89°37'03" W 601.05 feet along the South line of said Section 24 and the North line of Section 25, to a point; Thence S 00°04'16" E 2644.39 to a point on the South line of the North half of Section 25; Thence
S 89°38'34" E 609.06 feet, to the southeast corner of said North half, Section 25; Thence S 00°14'41" E 2644.19 feet along the East line of said South half, Section 25, to an aluminum cap monument marking the southeast corner thereof; Thence N 89°42'47" W 5206.93 feet along the South line of said Section 25, to an aluminum cap in hand hole monumenting the South quarter corner of said Section 25; Thence continuing along said South line N 89°44'11" W 1324.50 feet to a point at the southwest corner of the East half of the southwest quarter of said Section 25; Thence N 00°13'12" E 5303.16 feet along the West line of said East half of the southwest and northwest quarter, Section 25, to a point on the North line of said Section 25 and coincident with the South line of said Section 24; thence N 00°12'38" E 2649.12 feet along said West line, to a point on the North line of the South half of said Section 24; Thence N 89°34'00" W 1323.99 feet along said North line, to a 5/8" iron rod monumenting the West quarter corner of said Section 24; Thence N 00°31'10" E 1347.44 feet along the West line of said Section 24, to a point on the southerly top of bank of the Southside Canal Aqueduct; Thence S 89°52'59" E 331.11 feet along said southerly top of bank, to the beginning of a 580.10 foot radius non-tangent curve to the left; Thence along said curve and continuing along said top of bank 509.80 feet through a central angle of 50°21'10" and a long chord of which bears N 65°49'56" E 493.55 feet, to a point; Thence continuing along said southerly top of bank N 40°07'06" E 1423.14 feet, to a point on the North line of said Section 24;

ATTACHMENT B-1

Thence N 89°52'59" W 0.29 feet along said North line, to a point; Thence continuing along said southerly top of bank N 40°00'29" E 1796.47 feet, to a point; Thence continuing along said southerly top of bank N 40°05'37" E 1633.45 feet to a point on the North line of the South half of Section 13; Thence S 89°41'56" E 1355.63 feet along said North line, to the southwest corner of said Lot 5; Thence N 00°06'43" E 1314.42 feet along the West line of said Lot 5, to the northwest corner thereof; Thence N 89°49'58" W 1313.35 feet, to a point on the East line of the northeast quarter of said Section 13; Thence S 00°05'42" W 1190.33 feet along said East line to a point on the northerly top of bank of the Southside Canal Aqueduct; Thence S 39°53'42" W 157.06 feet along said top of bank, to a point on the south line of the northeast quarter, Section 13; Thence N 89°41'56" W 1212.44 feet along said South line, to a point on the West line of the southeast quarter, Section 13; Thence
S 00°04'41" W 1458.40 feet along said West line, to a point on the northerly top of bank of the Southside Canal Aqueduct; Thence S 39°59'32" W 1532.07 feet along said northerly top of bank, to a point; Thence continuing along said northerly top of bank S 39°58'10" W 1395.05 feet, to the beginning of a 559.16 foot radius non-tangent curve to the right; Thence along said curve and continuing along said northerly top of bank 499.62 feet through a central angle of 51°11'42" and a long chord of which bears S 67°22'31" W 483.17 feet to a point; Thence continuing along said northerly top of bank S 89°43'30" W 496.20 feet, to the beginning of a 1185.35 foot radius non-tangent curve to the left; Thence along said curve and continuing along said northerly top of bank 412.46 through a central angle of 19°56'14" and a long chord of which bears S 74°39'56" W 410.39 feet, to a point; Thence continuing along said northerly top of bank S 70°12'37" W 882.53 feet, to a point; Thence continuing along said northerly top of bank S 70°21'29" W 1569.12 feet, to the beginning of a 1071.48 foot radius non-tangent curve to the right; Thence along said curve and continuing along said northerly top of bank 388.24 feet through a central angle of 20°45'38" and a long chord of which bears S 81°29'47" W 386.12 feet, to a point; Thence continuing along said northerly top of bank N 87°21'43" W 942.22 feet, to a point; Thence continuing along said northerly top of bank N 87°19'51" W 1107.10 feet, to a point on the West line of said Section 23; Thence N 00°43'28" E 2178.88 feet along said West line, to the **Point of Beginning**.

ATTACHMENT B-1

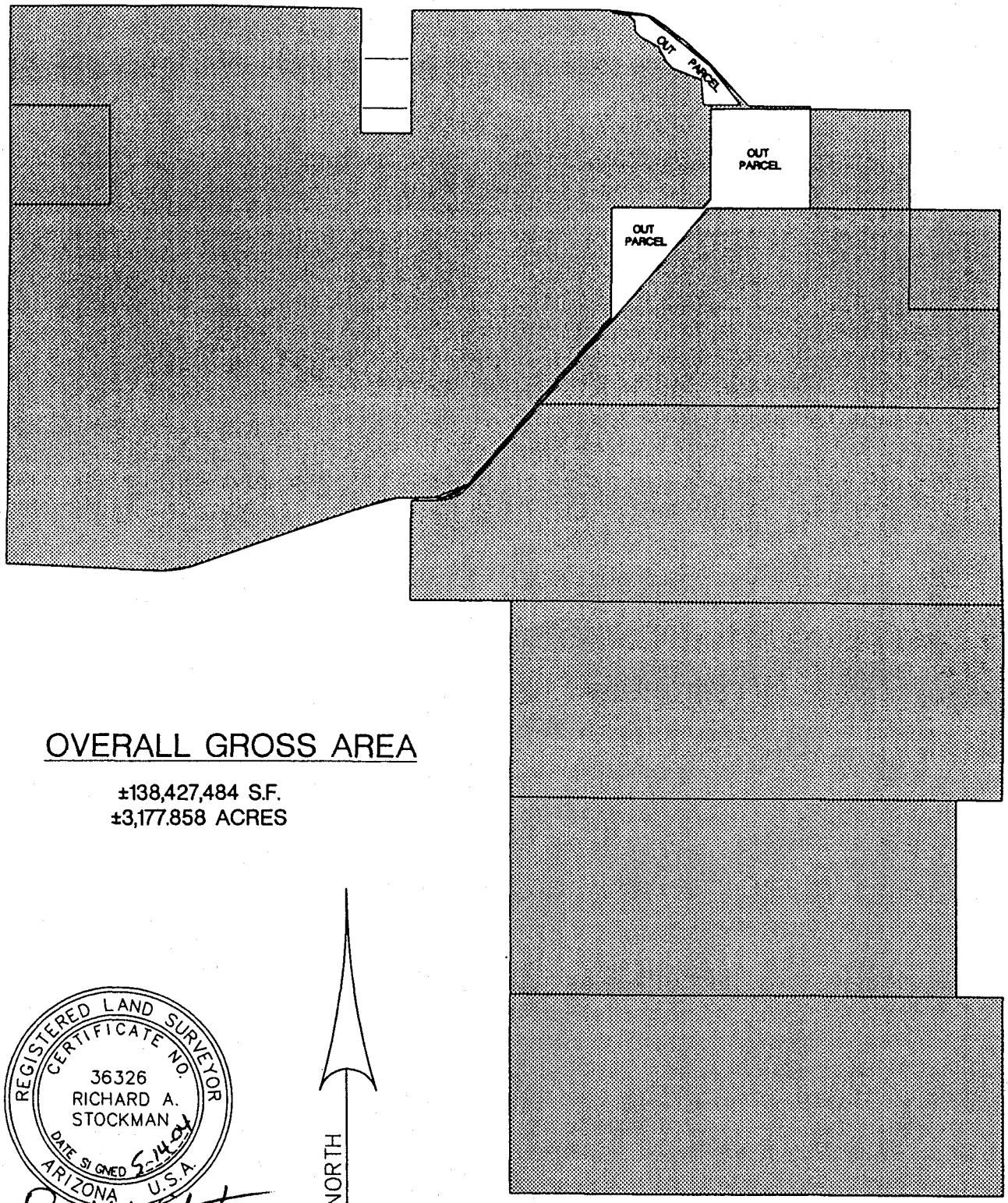
Excepting there a parcel of land located in the northeast quarter of Section 13, Township 5 South, Range 7 East, of the Gila and Salt River Base and Meridian, Pinal County, Arizona, more particularly described as follows:

Commencing at a G.L.O. brass cap monument at the North quarter corner of Section 13; Thence S 00°04'41" W 31.14 feet along the West line of the northeast quarter said Section 13, to the **Point of Beginning**; Thence S 78°02'45" E 230.09 feet, to a point; Thence S 44°12'32" E 95.61 feet, to a point; Thence S 03°24'38" E 144.61 feet, to a point; thence S 46°23'44" E 101.26 feet, to a point; Thence S 61°31'23" E 274.04 feet, to a point; Thence S 27°17'20" E 204.04 feet, to a point; thence S 44°20'46" E 135.27 feet, to a point; Thence S 67°42'29" E 410.63 feet, to a point; Thence S 04°59'49" E 330.74 feet, to a point; Thence S 89°37'30" E 489.84 feet, to a point; Thence N 37°58'54" W 659.97 feet, to a point; Thence N 51°54'29" W 1063.14 feet, to a point; Thence N 83°35'27" W 461.27 feet, to the **Point of Beginning**.

The above described properties total gross area is 138,427,484 square feet or 3,177.858 acres, more or less.

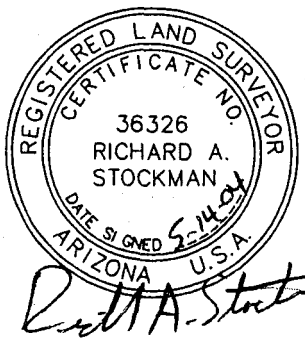
REGISTERED LAND SURVEYOR
CERTIFICATE NO.
36326
RICHARD A
STOCKMAN
Date Signed 5-14-04
ARIZONA, U.S.A.

ATTACHMENT B-1



OVERALL GROSS AREA

±138,427,484 S.F.
±3,177.858 ACRES



W R G DESIGN INC.
4806 N. 22nd Street, Suite 150 Phoenix, AZ 85016
Tel. 602.977.8000 Fax. 602.977.8099
PLANNERS • ENGINEERS • LANDSCAPE ARCHITECTS • SURVEYORS

EXHIBIT
SANDIA PROPERTIES

PIVOTAL GROUP
COOLIDGE, ARIZONA

PROJECT NO.	4033374.00
DATE:	04/09/04
BY:	DCW
SCALE:	1"=2000'
SHEET NO.	1 OF 1

C

ATTACHMENT – C

Proforma Balance Sheets
Financial Information

ATTACHMENT C

PROFORMA BALANCE SHEET (WATER)

Woodruff Water Company

	Year 1	Year 2	Year 3	Year 4	Year 5
ASSETS					
Current Assets					
Cash	$ 33,512	$ 169,143	$ 532,595	$ 1,126,559	$ 1,811,222
Accounts Receivable	0	0	0	0	0
Other	0	0	0	0	0
Total Current Assets	$ 33,512	$ 169,143	$ 532,595	$ 1,126,559	$ 1,811,222
Fixed Assets					
Utility Plant	$ 5,476,800	$ 6,818,300	$ 7,072,000	$ 7,844,900	$ 8,552,625
(Less) Accumulated Depreciation	(177,900)	(562,186)	(985,375)	(1,434,536)	(1,914,155)
Net Plant in Service	$ 5,298,900	$ 6,256,114	$ 6,086,625	$ 6,410,364	$ 6,638,470
Total Assets	$ 5,332,412	$ 6,425,257	$ 6,619,220	$ 7,536,924	$ 8,449,693
LIABILITIES AND CAPITAL					
Current and Accrued Liabilities					
Accounts Payable	0	0	0	0	0
Notes Payable	0	0	0	0	0
Accrued Taxes	0	0	0	0	0
Accrued Interest	0	0	0	0	0
Other	0	0	0	0	0
Total Current and Accred Liabilities	0	0	0	0	0

ATTACHMENT C

PROFORMA BALANCE SHEET (WATER)

Woodruff Water Company

	Year 1	Year 2	Year 3	Year 4	Year 5
Long-Term Debt	0	0	0	0	0
Deferred Credits					
Advances in Aid of Construction	$ 1,426,900	$ 1,647,540	$ 1,819,011	$ 2,449,845	$ 2,921,254
Contribution in Aid of Construction, Net of Amortization					
Accumulated Deferred Income Tax	-	-	-	-	-
Total Deferred Credits	$ 1,426,900	$ 1,647,540	$ 1,819,011	$ 2,449,845	$ 2,921,254
CAPITAL ACCOUNT					
Common Stock	4,149,900	5,249,400	5,249,400	5,249,400	5,249,400
Preferred	0	0	0	0	0
Paid in Capital	0	0	0	0	0
Retained Earnings	(244,388)	(471,683)	(449,194)	(162,323)	279,036
	-	-	-	-	-
Total Capital	$ 3,905,512	$ 4,777,717	$ 4,800,206	$ 5,087,077	$ 5,528,436
TOTAL LIABILITIES AND CAPITAL	$ 5,332,412	$ 6,425,257	$ 6,619,217	$ 7,536,921	$ 8,449,690

ATTACHMENT – C-2

Income Statement

CW-2

PROFORMA INCOME STATEMENT (WATER)

Woodruff Water Company

	YR. ONE	YR. TWO	YR. THREE	YR. FOUR	YR. FIVE
REVENUE:					
Water Sales	$ 93,600	$ 360,290	$ 714,965	$ 1,069,579	$ 1,415,459
Establishment Charges	9,000	18,150	18,180	18,150	18,150
Other Operating Revenue					
Total Operating Revenue	$ 102,600	$ 378,440	$ 733,145	$ 1,087,729	$ 1,433,609
OPERATING EXPENSES					
Salaries and Wages	$ 68,500	$ 70,555	$ 72,672	$ 74,852	$ 77,097
Purchased Water					
Power Costs	8,100	32,811	67,264	101,717	134,938
Water Testing and Chemicals	7,500	13,525	19,555	25,580	31,605
Repairs and Maintenance	2,000	6,000	9,000	12,000	15,000
Office Supplies Expense	7,700	18,845	32,744	46,643	60,533
Outside Services	54,000	55,620	57,289	59,007	60,777
Rents	3,000	3,090	3,183	3,278	3,377
Transportation Expense	2,500	2,575	2,652	2,732	2,814
Taxes Other than Property and Income					
Depreciation	177,900	384,286	423,189	449,161	479,619
Health and Life Insurance					
Income Taxes	50	50	50	50	103,935
Property Tax	2,713	5,604	12,187	22,186	32,987
Miscellaneous Operating	13,400	13,652	13,912	14,179	14,454
Total Operating Expense	$ 347,363	$ 606,613	$ 713,695	$ 811,385	$ 1,017,136
OPERATING INCOME OR (LOSS)	$ (244,763)	$ (228,173)	$ 19,449	$ 276,344	$ 416,473
OTHER INCOME / EXPENSE					
Interest Income	375	878	3,040	10,526	24,887
Other Income					
Other Expenses					
Interest Expense					
TOTAL OTHER INCOME / EXPENSE	375	878	3,040	10,526	24,887
NET INCOME (LOSS)	$ (244,388)	$ (227,295)	$ 22,489	$ 286,871	$ 441,360

ATTACHMENT – C-3

Itemized List of Major Plant Components

ATTACHMENT C-3

WOOD/PATEL LETTER OF TRANSMITTAL

CIVIL ENGINEERS • HYDROLOGISTS • LAND SURVEYORS • CONSTRUCTION MANAGERS

To:	Mr. Russ Shasky	**Date:**	April 29, 2004
	Pivotal Group	**Project:**	**Sundance Farms**
	2555 East Camelback Road, Suite 700	**Project No.:**	042127
	Phoenix, AZ 85016	**Re:**	Water Plant Construction Schedule
Phone:	*(602) 956-7200*		

☐ Delivery by Wood/Patel	☒ For Your Use	☐ Prints
☒ Courier	☐ As Requested	☐ Original Drawings
☐ Mail	☐ For Review and Comment	☒ Documents
☐ Federal Express	☐ For Action and/or Approval	☐ Reports
☐ Pick-up	☐ Other	☐ Other

Copies	Date	Description
1	4/28/04	Woodruff Water Company Potable Water Plant Construction Schedule, Opinion of Costs

Remarks

'opy To: RON KOSOMAN 5/4/04 RLS	**From:** *Gordon Wark /km*

C:\WINNT\Profiles\jennifer b.000\Desktop\New Forms\New Transmittal.doc

Wood, Patel & Associates, Inc.
2051 West Northern Avenue, Suite 100 • Phoenix, AZ 85021 • (602) 335-8500 • Fax (602) 335-8580
www.woodpatel.com

ATTACHMENT C-3

WOOD/PATEL

CIVIL ENGINEERS • HYDROLOGISTS • LAND SURVEYORS • CONSTRUCTION MANAGERS

Darrel E. Wood, P.E., R.L.S.
Ashok C. Patel, P.E., R.L.S.
Gordon W. R. Wark, P.E.
James S. Campbell, P.E.
Thomas R. Gettings, R.L.S.
Timothy A. Huval, P.E.
Richard G. Roberts, P.E.
Michael T. Young, P.E.

April 28, 2004

Mr. Russ Shasky
Pivotal Group
2555 East Camelback Road
Suite 700
Phoenix, AZ 85016

Phone: (602) 956-7200
Fax: (602) 956-2313

Re: **Sundance Farms Master Planned Community**
Woodruff Water Company Potable Water Plant Construction Schedule
WP #042127

Dear Mr. Shasky:

Attached is our Opinion of Probable Costs for 5-year development costs for the water system for the Sundance Farms Master Planned Community. The Opinion of Probable Costs is based on 5 years, with projected unit count of 2,700 by the end of year 5. Depreciation has been assumed at 4%.

We trust this meets your requirements. If you have any questions, please contact us.

Sincerely,

WOOD, PATEL & ASSOCIATES, INC.

Gordon W.R. Wark, P.E.
Senior Vice President

GWRW/km

Enclosure(s)

cc: Mr. Michael T. Young, P.E. - Wood/Patel

Y:\WP\General Correspondence\042127 Potable Water Plant Construction Schedule.doc

Mission - Client Service
WOOD PATEL
Anniversary
ARIZONA

ATTACHMENT C-3

WOODRUFF WATER COMPANY
POTABLE WATER PLANT CONSTRUCTION SCHEDULE

Component	Year 1	Year 2	Year 3	Year 4	Year 5
Water Plant & Booster Pump Station	$ 1,980,000	$ -	$ -	$ -	$ -
Potable Wells	$ 850,000	$ 850,000	$ -	$ -	$ -
Well Transmission Lines	$ 100,700	$ 225,000	$ -	$ -	$ -
Well Transmission Line Valves	$ 9,200	$ 14,500	$ -	$ -	$ -
Potable Water Distribution Lines	$ 1,087,000	$ -	$ -	$ 432,000	$ 362,925
Potable Water Distribution Line Valves	$ 218,900	$ -	$ -	$ 88,900	$ 92,800
Generator	$ 30,000	$ -	$ -	$ -	$ -
Vehicle	$ 15,000	$ -	$ -	$ -	$ -
Office Facility, Furnishings & Equipment	$ 30,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000
Equipment	$ 10,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000
Meters	$ 15,000	$ 30,000	$ 30,000	$ 30,000	$ 30,000
Arsenic Treatment	$ 1,000,000	$ -	$ -	$ -	$ -
Total	$ 5,345,800	$ 1,129,500	$ 40,000	$ 560,900	$ 495,725
Cumulative Total	$ 5,345,800	$ 6,475,300	$ 6,515,300	$ 7,076,200	$ 7,571,925
Depreciation Expense	$ 213,832	$ 259,012	$ 260,612	$ 283,048	$ 302,877
Accumulative Depreciation	$ 213,832	$ 472,844	$ 733,456	$ 1,016,504	$ 1,319,381
Depreciation Rate	4.00%	4.00%	4.00%	4.00%	4.00%
Land	$ 78,750	$ 8,750	$ -	$ -	$ -
Rate Base	$ 5,210,718	$ 6,011,206	$ 5,781,844	$ 6,059,696	$ 6,252,544

Registered Professional Engineer (Civil)
CERTIFICATE NO.
24443
GORDON W.R. WARK
Date Signed 12.6.14
ARIZONA, U.S.A.

ATTACHMENT C-3

WOODRUFF WATER COMPANY
POTABLE WATER PLANT CONSTRUCTION SCHEDULE

Consumption	Year 1	Year 2	Year 3	Year 4	Year 5
Number of Customers (units)	300.00	900.00	1,500.00	2,100.00	2,700.00
Average Annual Consumption	120,000.00	120,000.00	120,000.00	120,000.00	120,000.00
Annual Gallons	36,000,000.00	108,000,000.00	180,000,000.00	252,000,000.00	324,000,000.00

ATTACHMENT – C-4

Plant and Service

CW-4

PROFORMA UTILITY PLANT IN SERVICE (WATER)

FIRST YEAR

Woodruff Water Company

	ORIGINAL COST	ACCUM. DEPRC.	ORIG. COST LESS DEPREC.
Organization	$ 25,000	$ -	$ 25,000
Franchises	-	-	-
Land and Land Rights	-	-	-
Structures and Improvements	-	-	-
Collecting and Impounding Rese	-	-	-
Lake, River and Other Intakes	-	-	-
Wells and Springs	959,900	15,982	943,918
Infiltration Galleries and Tun	-	-	-
Supply Mains	-	-	-
Power Generation Equipment	30,000	750	29,250
Pumping Equipment	1,980,000	123,750	1,856,250
Water Treatment Equipment	1,000,000	16,650	983,350
Distribution Reservoirs and St	-	-	-
Transmission and Distribution	-	-	-
Transmission and Distribution (AIAC)	1,306,900	13,069	1,293,831
Services	-	-	-
Meters and Meter Installations	120,000	4,998	115,002
Hydrants	-	-	-
Hydrants (AIAC)	-	-	-
Backflow Prevention Devices	-	-	-
Other Plant and Miscellaneous	-	-	-
Office Furniture and Equipment	30,000	1,001	29,000
Transportation Equipment	15,000	1,500	13,500
Stores Equipment	10,000	200	9,800
Tools, Shop and Garage Equipme	-	-	-
Laboratory Equipment	-	-	-
Power Operated Equipment	-	-	-
Communication Equipment	-	-	-
Miscellaneous Equipment	-	-	-
Other Tangible Plant	-	-	-
Other Tangible Plant	-	-	-
TOTAL PLANT IN SERVICE	$ 5,476,800	$ 177,900	$ 5,298,900

CW-4

PROFORMA UTILITY PLANT IN SERVICE (WATER)

SECOND YEAR

Woodruff Water Company

	ORIGINAL COST	ACCUM. DEPRC.	ORIG. COST LESS DEPREC.
Organization	$ 25,000	$ -	$ 25,000
Franchises	-	-	-
Land and Land Rights	-	-	-
Structures and Improvements	-	-	-
Collecting and Impounding Rese	-	-	-
Lake, River and Other Intakes	-	-	-
Wells and Springs	2,049,400	66,087	1,983,313
Infiltration Galleries and Tun	-	-	-
Supply Mains	-	-	-
Power Generation Equipment	30,000	2,250	27,750
Pumping Equipment	1,980,000	371,250	1,608,750
Water Treatment Equipment	1,000,000	49,950	950,050
Distribution Reservoirs and St	-	-	-
Transmission and Distribution	-	-	-
Transmission and Distribution (AIAC)	1,306,900	39,207	1,267,693
Services	-	-	-
Meters and Meter Installations	362,000	25,073	336,927
Hydrants	-	-	-
Hydrants (AIAC)	-	-	-
Backflow Prevention Devices	-	-	-
Other Plant and Miscellaneous	-	-	-
Office Furniture and Equipment	35,000	3,168	31,832
Transportation Equipment	15,000	4,500	10,500
Stores Equipment	15,000	700	14,300
Tools, Shop and Garage Equipme	-	-	-
Laboratory Equipment	-	-	-
Power Operated Equipment	-	-	-
Communication Equipment	-	-	-
Miscellaneous Equipment	-	-	-
Other Tangible Plant	-	-	-
Other Tangible Plant	-	-	-
TOTAL PLANT IN SERVICE	$ 6,818,300	$ 562,186	$ 6,256,114

CW-4

PROFORMA UTILITY PLANT IN SERVICE (WATER)

THIRD YEAR

Woodruff Water Company

	ORIGINAL COST	ACCUM. DEPRC.	ORIG. COST LESS DEPREC.
Organization	$ 25,000	$ -	$ 25,000
Franchises	-	-	-
Land and Land Rights	-	-	-
Structures and Improvements	-	-	-
Collecting and Impounding Rese	-	-	-
Lake, River and Other Intakes	-	-	-
Wells and Springs	2,049,400	134,332	1,915,068
Infiltration Galleries and Tun	-	-	-
Supply Mains	-	-	-
Power Generation Equipment	30,000	3,750	26,250
Pumping Equipment	1,980,000	618,750	1,361,250
Water Treatment Equipment	1,000,000	83,250	916,750
Distribution Reservoirs and St	-	-	-
Transmission and Distribution	-	-	-
Transmission and Distribution (AIAC)	1,306,900	65,345	1,241,555
Services	-	-	-
Meters and Meter Installations	605,700	65,378	540,322
Hydrants	-	-	-
Hydrants (AIAC)	-	-	-
Backflow Prevention Devices	-	-	-
Other Plant and Miscellaneous	-	-	-
Office Furniture and Equipment	40,000	5,670	34,331
Transportation Equipment	15,000	7,500	7,500
Stores Equipment	20,000	1,400	18,600
Tools, Shop and Garage Equipme	-	-	-
Laboratory Equipment	-	-	-
Power Operated Equipment	-	-	-
Communication Equipment	-	-	-
Miscellaneous Equipment	-	-	-
Other Tangible Plant	-	-	-
Other Tangible Plant	-	-	-
TOTAL PLANT IN SERVICE	$ 7,072,000	$ 985,375	$ 6,086,625

CW-4

PROFORMA UTILITY PLANT IN SERVICE (WATER)

FOURTH YEAR

Woodruff Water Company

	ORIGINAL COST	ACCUM. DEPRC.	ORIG. COST LESS DEPREC.
Organization	$ 25,000	$ -	$ 25,000
Franchises	-	-	-
Land and Land Rights	-	-	-
Structures and Improvements	-	-	-
Collecting and Impounding Rese	-	-	-
Lake, River and Other Intakes	-	-	-
Wells and Springs	2,049,400	202,577	1,846,823
Infiltration Galleries and Tun	-	-	-
Supply Mains	-	-	-
Power Generation Equipment	30,000	5,250	24,750
Pumping Equipment	1,980,000	866,250	1,113,750
Water Treatment Equipment	1,000,000	116,550	883,450
Distribution Reservoirs and St	-	-	-
Transmission and Distribution	-	-	-
Transmission and Distribution (AIAC)	1,827,800	96,692	1,731,108
Services	-	-	-
Meters and Meter Installations	847,700	125,912	721,788
Hydrants	-	-	-
Hydrants (AIAC)	-	-	-
Backflow Prevention Devices	-	-	-
Other Plant and Miscellaneous	-	-	-
Office Furniture and Equipment	45,000	8,504	36,496
Transportation Equipment	15,000	10,500	4,500
Stores Equipment	25,000	2,300	22,700
Tools, Shop and Garage Equipme	-	-	-
Laboratory Equipment	-	-	-
Power Operated Equipment	-	-	-
Communication Equipment	-	-	-
Miscellaneous Equipment	-	-	-
Other Tangible Plant	-	-	-
Other Tangible Plant	-	-	-
TOTAL PLANT IN SERVICE	$ 7,844,900	$ 1,434,536	$ 6,410,364

CW- 4

PROFORMA UTILITY PLANT IN SERVICE (WATER)

FIFTH YEAR

Woodruff Water Company

	ORIGINAL COST	ACCUM. DEPRC.	ORIG. COST LESS DEPREC.
Organization	$ 25,000	$ -	$ 25,000
Franchises	-	-	-
Land and Land Rights	-	-	-
Structures and Improvements	-	-	-
Collecting and Impounding Rese	-	-	-
Lake, River and Other Intakes	-	-	-
Wells and Springs	2,049,400	270,822	1,778,578
Infiltration Galleries and Tun	-	-	-
Supply Mains	-	-	-
Power Generation Equipment	30,000	6,750	23,250
Pumping Equipment	1,980,000	1,113,750	866,250
Water Treatment Equipment	1,000,000	149,850	850,150
Distribution Reservoirs and St	-	-	-
Transmission and Distribution	-	-	-
Transmission and Distribution (AIAC)	2,283,525	137,805	2,145,720
Services	-	-	-
Meters and Meter Installations	1,089,700	206,605	883,095
Hydrants	-	-	-
Hydrants (AIAC)	-	-	-
Backflow Prevention Devices	-	-	-
Other Plant and Miscellaneous	-	-	-
Office Furniture and Equipment	50,000	11,673	38,328
Transportation Equipment	15,000	13,500	1,500
Stores Equipment	30,000	3,400	26,600
Tools, Shop and Garage Equipme	-	-	-
Laboratory Equipment	-	-	-
Power Operated Equipment	-	-	-
Communication Equipment	-	-	-
Miscellaneous Equipment	-	-	-
Other Tangible Plant	-	-	-
Other Tangible Plant	-		-
TOTAL PLANT IN SERVICE	$ 8,552,625	$ 1,914,155	$ 6,638,470

D

ATTACHMENT – D

Water Tariff Schedule

Woodruff Water Company
Detailed Index of Schedules

ACC Forms	Number of Page	Page Number	
	2 Pages	1 & 2	Balance Sheet, Attachment C
	1 Page	Unnumbered	Income Statement, Attachment CS-2
	5 Pages	1 thru 5	Plant Cost, Attachment CS-4
	1 Page	1 & 2	Tariff Attachment D

→ BEHIND TARIFF ATTACHMENT D SUPPORTING SCHEDULES

Schedules for Staff	Page(s)		
1	1	1	Balance Sheet
1.1	Summary	1.1	Summary of Plant Additions by Year
1a	5 Pages	1 thru 5	Plant and Depreciation, 5 Pages
1b	1 Page	1	Financing of Plant & Operating Losses
1c	1 Page	1	Advances and Refunds
1d	1 Page	1	Meter Deposits and Refunds (If Applicable)
1e	1 Page	1	Contributions in Aid of Construction (Not Used)
2	1 Page	1	Income Statement
2a	1 Page	1	Projected Revenues all customers
2a	1 Page	2	Customer Counts all customers
2a	1 Page	3	Gallons Treated or Sold, all customers
2a	1 Page	4	Projected Revenues, customers, gallons for 5/8 Inch residential class
2a	1 Page	5	Projected Revenues, customers, gallons for School
2a	1 Page	6	Projected Revenues, customers, gallons 5/8 Inch commercial class
2a	1 Page	7	Projected Revenues, customers, gallons 1 Inch commercial class
2a	1 Page	8	Projected Revenues, customers, gallons 2 Inch commercial class
2a	1 Page	~~9~~ N/A	Effluent, (If Applicable)
2b	1 Page	1	Property Taxes
3	1 Page	1	Projected Cash Flow
4	2 Pages	1 & 2	Proposed Rates
5	1 Page	1	Service Charges

ATTACHMENT "D"
WATER TARIFF SCHEDULE

UTILITY: Woodruff Water Company

RATES AND CHARGES

CUSTOMER / MINIMUM CHARGE
PER MONTH

METER	CHARGE		GALLONS	METER	CHARGE
5/8 x 3/4	$ 24.00	FOR	ZERO	5/8 x 3/4	$ 400.00
3/4	$ 24.00	FOR	ZERO	3/4	$ 440.00
1	$ 60.00	FOR	ZERO	1	$ 500.00
1 1/2	$ 120.00	FOR	ZERO	1 1/2	$ 715.00
2	$ 192.00	FOR	ZERO	2	$ 1,700.00
3	$ 384.00	FOR	ZERO	3	$ 2,190.00
4	$ 600.00	FOR	ZERO	4	$ 3,215.00
6	$ 1,200.00	FOR	ZERO	6	$ 6,270.00
8	$ 1,920.00	FOR	ZERO	8	Cost
10	$ 2,760.00	FOR	ZERO	10	Cost
12	$ 5,160.00	FOR	ZERO	12	Cost

COMMODITY CHARGE (EXCESS OF MINIMUM):

5/8 X 3/4 & 3/4 Inch Meters

$ 2.00 Per 1,000 Gallons for usage from 0 to 7,000 Gallons
$ 3.00 Per 1,000 Gallons for usage from 7,001 to 14,000 Gallons
$ 4.00 Per 1,000 Gallons for usage over 14,001

1 Inch Meters

$ 2.00 Per 1,000 Gallons for usage from 0 to 7,000 Gallons
$ 3.00 Per 1,000 Gallons for usage from 7,001 to 35,000 Gallons
$ 4.00 Per 1,000 Gallons for usage over 35,001

1/12 Inch Meters

$ 2.00 Per 1,000 Gallons for usage from 0 to 7,000 Gallons
$ 3.00 Per 1,000 Gallons for usage from 7,001 to 40,000 Gallons
$ 4.00 Per 1,000 Gallons for usage over 70,001

2 Inch Meters

$ 2.00 Per 1,000 Gallons for usage from 0 to 7,000 Gallons
$ 3.00 Per 1,000 Gallons for usage from 7,001 to 112,000 Gallons
$ 4.00 Per 1,000 Gallons for usage over 112,001

(School / 2 Inch Meter)

$ 2.00 Per 1,000 Gallons for usage from 0 to 100,000 Gallons
$ 3.00 Per 1,000 Gallons for usage from 100,001 to 500,000 Gallons
$ 4.00 Per 1,000 Gallons for usage over 500,001

3 Inch Meters

$ 2.00 Per 1,000 Gallons for usage from 0 to 7,000 Gallons
$ 3.00 Per 1,000 Gallons for usage from 7,001 to 224,000 Gallons
$ 4.00 Per 1,000 Gallons for usage over 224,001

ATTACHMENT "D"
WATER TARIFF SCHEDULE

UTILITY: Woodruff Water Company

RATES AND CHARGES

COMMODITY CHARGE (EXCESS OF MINIMUM):

4 Inch Meters
$ 2.00 Per 1,000 Gallons for usage from 0 to 7,000 Gallons
$ 3.00 Per 1,000 Gallons for usage from 7,001 to 350,000 Gallons
$ 4.00 Per 1,000 Gallons for usage over 350,001

6 Inch Meters
$ 2.00 Per 1,000 Gallons for usage from 0 to 7,000 Gallons
$ 3.00 Per 1,000 Gallons for usage from 7,001 to 700,000 Gallons
$ 4.00 Per 1,000 Gallons for usage over 700,001

8 Inch Meters
$ 2.00 Per 1,000 Gallons for usage from 0 to 7,000 Gallons
$ 3.00 Per 1,000 Gallons for usage from 7,001 to 1,120,000 Gallons
$ 4.00 Per 1,000 Gallons for usage over 1,120,001

10 Inch Meters
$ 2.00 Per 1,000 Gallons for usage from 0 to 7,000 Gallons
$ 3.00 Per 1,000 Gallons for usage from 7,001 to 1,610,000 Gallons
$ 4.00 Per 1,000 Gallons for usage over 1,610,001

12 Inch Meters
$ 2.00 Per 1,000 Gallons for usage from 0 to 7,000 Gallons
$ 3.00 Per 1,000 Gallons for usage from 7,001 to 3,010,000 Gallons
$ 4.00 Per 1,000 Gallons for usage over 3,010,001

SERVICE CHARGES:

1. ESTABLISHMENT (R14-2-403.D.1)	$ 30.00	
2. ESTABLISHMENT / AFTER HOURS (R14-2-403.D.2)	$ 50.00	
3. RECONNECTION / DELINQUENT (R14-2-403.D.1)	$ 50.00	
4. NSF CHECK (R14-2-409.F.1)	$ 30.00	
5. METER REREAD / IF CORRECT (R-14-408.C.2)	$ 30.00	
6. METER TEST / IF CORRECT (R14-2-408.F.1)	$ 30.00	
7. DEFERRED PAYMENT (R14-2-409.G.6)	1.50%	Per Month
8. DEPOSIT INTEREST (R14-2-408.B.3)		
9. DEPOSIT (R14-2-403.B.7)		per rule
10. REESTABLISHMENT WITHIN 12 MONTHS (R14-2-608.F.1)	(a)	
11. LATE PAYMENT PENALTY (R14-2-408.F.1)	1.50%	Per Month
12. All Revenue related taxes will be charged customers.		
Main Extension and additional facilities agreements,	@ COST	(b)

RULES AND REGULATIONS

* The Company has adopted the Rules and Regulation established by the Commission as the basis for its operating procedures. Arizona Corporation Commission Rules will be controlling of Company procedures, unless specific Commission Orders provide otherwise.

(a) Monthly minimum times months off the system

(b) Cost to include parts, labor, overhead, and all applicable taxes, including income tax.

Woodruff Water Company
Projected Balance Sheets
For the Years Ended

Exhibit
Schedule 1
Page 1
Witness: Kozoman

Line No.		Beginning of Year	Label	1st year Changes	Year 1	Year 2	Year 3	Year 4	Year 5
1									
2									
3	**Assets**								
4									
5	Utility Plant	-	(a)	5,476,800	5,476,800	6,818,300	7,072,000	7,844,900	8,552,625
6	Accumulated Depreciation	-	(b)	(177,900)	(177,900)	(562,186)	(985,375)	(1,434,536)	(1,914,155)
7									
8	Cash	25,000		8,512	33,512	169,143	532,595	1,126,559	1,811,222
9									
10									
11	**Total Assets**	$ 25,000		$ 5,307,412	$ 5,332,412	$ 6,425,257	$ 6,619,220	$ 7,536,924	$ 8,449,693
12									
13	*Equity and Liabilities*			-					
14									
15	**Equity**								
16									
17	Common Stock	25,000	(d)	4,124,900	4,149,900	5,249,400	5,249,400	5,249,400	5,249,400
18				-					
19	Retained Earnings		(e)	(244,388)	(244,388)	(471,683)	(449,194)	(162,323)	279,036
20	**Total Equity**	$ 25,000		$ 3,880,512	$ 3,905,512	$ 4,777,717	$ 4,800,206	$ 5,087,077	$ 5,528,436
21									
22	**Liabilities & Deferred Credits**			-					
23	Advances in Aid of Construction		(f)	1,306,900	1,306,900	1,297,540	1,261,511	1,710,915	2,025,094
24	Contributions in Aid of			-					
25	Construction		(g)	-	-	-	3	3	3
26	Less: Amortization		(h)	-	-	-	(0)	(0)	(1)
27	Customer Deposits		(i)	-					
28	Meter Deposits			120,000	120,000	350,000	557,500	738,930	896,160
29	Long-Term Debt			-					
30									
31	**Total Liabilities and**								
32	**Deferred Credits**	-		1,426,900	1,426,900	1,647,540	1,819,014	2,449,847	2,921,256
33									
34									
35	**Total Equity & Liab.**	$ 25,000		$ 5,307,412	$ 5,332,412	$ 6,425,257	$ 6,619,220	$ 7,536,924	$ 8,449,693

36 (a) Plant Additions (See Schedules 1.1 and 1a)
37 (b) Depreciation Computations (See Schedule 1a)
38 (c) Change in cash (Please Schedule 3)
39 (d) Common Stock issuance and or repurchase. (See Schedule 1b)
40 (e) Profit or loss from operations (See Schedule 2)
41 (f) Advances in Aid of Construction (See Schedule 1c)
42 (g) Contributions in Aid of Construction (See Schedule 1e)
43 (h) Amortization of Contributions in Aid of Construction, if applicable (See Schedule 1e)
44 (i) Security deposits (2 times average bill)

Woodruff Water Company
Plant Additions List by Year
Plant Addition Summary Page

Exhibit
Schedule 1.1
Summary Page
Witness: Kozoman

Line No.			Year 1	Year 2	Year 3	Year 4	Year 5
1	301	Organization	25,000	-	-	-	-
2	302	Franchises	-	-	-	-	-
3	303	Land and Land Rights	-	-	-	-	-
4	304	Structures and Improvements	-	-	-	-	-
5	305	Collecting and Impounding Rese	-	-	-	-	-
6	306	Lake, River and Other Intakes	-	-	-	-	-
7	307	Wells and Springs	959,900	1,089,500	-	-	-
8	308	Infiltration Galleries and Tun	-	-	-	-	-
9	309	Supply Mains	-	-	-	-	-
10	310	Power Generation Equipment	30,000	-	-	-	-
11	311	Pumping Equipment	1,980,000	-	-	-	-
12	320	Water Treatment Equipment	1,000,000	-	-	-	-
13	330	Distribution Reservoirs and St	-	-	-	-	-
14	331	Transmission and Distribution	-	-	-	-	-
15	331	Transmission and Distribution (AIAC)	1,306,900	-	-	520,900	455,725
16	333	Services	-	-	-	-	-
17	334	Meters and Meter Installations	120,000	242,000	243,700	242,000	242,000
18	335	Hydrants	-	-	-	-	-
19	335	Hydrants (AIAC)	-	-	-	-	-
20	336	Backflow Prevention Devices	-	-	-	-	-
21	339	Other Plant and Miscellaneous	-	-	-	-	-
22	340	Office Furniture and Equipment	30,000	5,000	5,000	5,000	5,000
23	341	Transportation Equipment	15,000	-	-	-	-
24	342	Stores Equipment	10,000	5,000	5,000	5,000	5,000
25	343	Tools, Shop and Garage Equipme	-	-	-	-	-
26	344	Laboratory Equipment	-	-	-	-	-
27	345	Power Operated Equipment	-	-	-	-	-
28	346	Communication Equipment	-	-	-	-	-
29	347	Miscellaneous Equipment	-	-	-	-	-
30	348	Other Tangible Plant	-	-	-	-	-
31	398	Other Tangible Plant	-	-	-	-	-
32		Totals	5,476,800	1,341,500	253,700	772,900	707,725
33							
34							
35							

Woodruff Water Company
Plant
Projected Years

Exhibit
Schedule 1a
Page 1
Witness: Kozoman

Line No.	Account	Description	CIAC Spread	Depreciation Rate	Estimate	Engineering Permits, Etc.	Gross Amt	Additions	Depreciation*	Balance	A/D Balance
1							Year				
2		With Treatment Plant Depreciation computed on Percent of Capacity					1				
5	301	Organization		0.00%	$ 25,000		$ 25,000	$ 25,000	$ -	$ 25,000	$ -
6	302	Franchises		0.00%			-	-	-	-	-
7	303	Land and Land Rights		0.00%			-	-	-	-	-
8	304	Structures and Improvements		3.33%			-	-	-	-	-
9	305	Collecting and Impounding Rese		2.50%			-	-	-	-	-
10	306	Lake, River and Other Intakes		2.50%			-	-	-	-	-
11	307	Wells and Springs		3.33%	959,900		959,900	959,900	15,982	959,900	15,982
12	308	Infiltration Galleries and Tun		6.67%			-	-	-	-	-
13	309	Supply Mains		2.00%			-	-	-	-	-
14	310	Power Generation Equipment		5.00%	30,000		30,000	30,000	750	30,000	750
15	311	Pumping Equipment		12.50%	1,980,000		1,980,000	1,980,000	123,750	1,980,000	123,750
16	320	Water Treatment Equipment		3.33%	1,000,000		1,000,000	1,000,000	16,650	1,000,000	16,650
17	330	Distribution Reservoirs and St		2.22%			-	-	-	-	-
18	331	Transmission and Distribution (AIAC)		2.00%			-	-	-	-	-
19	331	Transmission and Distribution		2.00%	1,306,900		1,306,900	1,306,900	13,069	1,306,900	13,069
20	333	Services		3.33%			-	-	-	-	-
21	334	Meters and Meter Installations		8.33%	120,000		120,000	120,000	4,998	120,000	4,998
22	335	Hydrants	100%	2.00%			-	-	-	-	-
23	335	Hydrants (AIAC)	0%	2.00%			-	-	-	-	-
24	336	Backflow Prevention Devices		6.67%			-	-	-	-	-
25	339	Other Plant and Miscellaneous		6.67%			-	-	-	-	-
26	340	Office Furniture and Equipment		6.67%	30,000		30,000	30,000	1,001	30,000	1,001
27	341	Transportation Equipment		20.00%	15,000		15,000	15,000	1,500	15,000	1,500
28	342	Stores Equipment		4.00%	10,000		10,000	10,000	200	10,000	200
29	343	Tools, Shop and Garage Equipme		5.00%			-	-	-	-	-
30	344	Laboratory Equipment		10.00%			-	-	-	-	-
31	345	Power Operated Equipment		5.00%			-	-	-	-	-
32	346	Communication Equipment		10.00%			-	-	-	-	-
33	347	Miscellaneous Equipment		10.00%			-	-	-	-	-
34	348	Other Tangible Plant		10.00%			-	-	-	-	-
35	398	Other Tangible Plant		10.00%		-	-	-	-	-	-
36							-	-	-	-	-
37											
38											
39											
40		Totals			$ 5,476,800	$ -	$ 5,476,800	$ 5,476,800	$ 177,900	$ 5,476,800	$ 177,900
41					5,466,800						
42		Composite Rate with 1/2 yr convention							3.25%		
43											
44											
45		Licenses, Taxes, Permits				$ -					
46		Engineering and Contingency				-					
47		Total				$ -					
48											
49	*Capacity Adjustment to Depreciation Expense -										
50	(Requires an Accounting Order)					300					
51	Customer connections					2,721					
52	Capacity (in customer connections)					0.1103	0.0000				
53	Capacity Factor										

Woodruff Water Company
Plant
Projected Years

Exhibit
Schedule 1a
Page 2
Witness: Kozoman

With Treatment Plant Depreciation computed on Percent of Capacity

Line No.	Account	Description	CIAC Spread	Depreciation Rate	Year 2 Estimate	Engineering Permits, Etc.	Gross Amt	Additions	Depreciation*	Balance	A/D Balance
5	301	Organization		0.00%			$ -	$ -	$ -	$ 25,000	$ -
6	302	Franchises		0.00%			-	-	-	-	-
7	303	Land and Land Rights		0.00%			-	-	-	-	-
8	304	Structures and Improvements		3.33%			-	-	-	-	-
9	305	Collecting and Impounding Rese		2.50%			-	-	-	-	-
10	306	Lake, River and Other Intakes		2.50%			-	-	-	-	-
11	307	Wells and Springs		3.33%	1,089,500		1,089,500	1,089,500	50,105	2,049,400	66,087
12	308	Infiltration Galleries and Tun		6.67%			-	-	-	-	-
13	309	Supply Mains		2.00%			-	-	-	-	-
14	310	Power Generation Equipment		5.00%				-	1,500	30,000	2,250
15	311	Pumping Equipment		12.50%			-	-	247,500	1,980,000	371,250
16	320	Water Treatment Equipment		3.33%			-	-	33,300	1,000,000	49,950
17	330	Distribution Reservoirs and St		2.22%			-	-	-	-	-
18	331	Transmission and Distribution (AIAC)		2.00%			-	-	-	-	-
19	331	Transmission and Distribution		2.00%			-	-	26,138	1,306,900	39,207
20	333	Services		3.33%			-	-	-	-	-
21	334	Meters and Meter Installations		8.33%	242,000		242,000	242,000	20,075	362,000	25,073
22	335	Hydrants	100%	2.00%			-	-	-	-	-
23	335	Hydrants (AIAC)	0%	2.00%			-	-	-	-	-
24	336	Backflow Prevention Devices		6.67%			-	-	-	-	-
25	339	Other Plant and Miscellaneous		6.67%			-	-	-	-	-
26	340	Office Furniture and Equipment		6.67%	5,000		5,000	5,000	2,168	35,000	3,168
27	341	Transportation Equipment		20.00%			-	-	3,000	15,000	4,500
28	342	Stores Equipment		4.00%	5,000		5,000	5,000	500	15,000	700
29	343	Tools, Shop and Garage Equipme		5.00%			-	-	-	-	-
30	344	Laboratory Equipment		10.00%			-	-	-	-	-
31	345	Power Operated Equipment		5.00%			-	-	-	-	-
32	346	Communication Equipment		10.00%			-	-	-	-	-
33	347	Miscellaneous Equipment		10.00%			-	-	-	-	-
34	348	Other Tangible Plant		10.00%			-	-	-	-	-
35	398	Other Tangible Plant		10.00%			-	-	-	-	-
36							-	-	-	-	-
40		Totals			$ 1,341,500	$ -	$ 1,341,500	$ 1,341,500	$ 384,286	$ 6,818,300	$ 562,186
42		Composite Rate with 1/2 yr convention							5.64%		
45		Licenses, Taxes, Permits				$ -					
46		Engineering and Contingency				-					
47		Total				$ -					
49	*Capacity Adjustment to Depreciation Expense -										
50	(Requires an Accounting Order)					905					
51	Customer connections					2,721					
52	Capacity (in customer connections)					0.3326					
53	Capacity Factor										

Woodruff Water Company
Plant
Projected Years

Exhibit
Schedule 1a
Page 3
Witness: Kozoman

Line No.	Account	Description	CIAC Spread	Depreciation Rate	Estimate	Engineering Permits, Etc.	Gross Amt	Additions	Depreciation*	Balance	A/D Balance
1								Year			
2		With Treatment Plant Depreciation computed on Percent of Capacity						3			
5	301	Organization		0.00%			$ -	$ -	$ -	$ 25,000	$ -
6	302	Franchises		0.00%			-	-	-	-	-
7	303	Land and Land Rights		0.00%			-	-	-	-	-
8	304	Structures and Improvements		3.33%			-	-	-	-	-
9	305	Collecting and Impounding Rese		2.50%			-	-	-	-	-
10	306	Lake, River and Other Intakes		2.50%			-	-	-	-	-
11	307	Wells and Springs		3.33%			-	-	68,245	2,049,400	134,332
12	308	Infiltration Galleries and Tun		6.67%			-	-	-	-	-
13	309	Supply Mains		2.00%			-	-	-	-	-
14	310	Power Generation Equipment		5.00%				-	1,500	30,000	3,750
15	311	Pumping Equipment		12.50%			-	-	247,500	1,980,000	618,750
16	320	Water Treatment Equipment		3.33%			-	-	33,300	1,000,000	83,250
17	330	Distribution Reservoirs and St		2.22%			-	-	-	-	-
18	331	Transmission and Distribution (AIAC)		2.00%			-	-	-	-	-
19	331	Transmission and Distribution		2.00%			-	-	26,138	1,306,900	65,345
20	333	Services		3.33%			-	-	-	-	-
21	334	Meters and Meter Installations		8.33%	243,700		243,700	243,700	40,305	605,700	65,378
22	335	Hydrants	100%	2.00%			-	-	-	-	-
23	335	Hydrants (AIAC)	0%	2.00%			-	-	-	-	-
24	336	Backflow Prevention Devices		6.67%			-	-	-	-	-
25	339	Other Plant and Miscellaneous		6.67%			-	-	-	-	-
26	340	Office Furniture and Equipment		6.67%	5,000		5,000	5,000	2,501	40,000	5,670
27	341	Transportation Equipment		20.00%			-	-	3,000	15,000	7,500
28	342	Stores Equipment		4.00%	5,000		5,000	5,000	700	20,000	1,400
29	343	Tools, Shop and Garage Equipme		5.00%			-	-	-	-	-
30	344	Laboratory Equipment		10.00%			-	-	-	-	-
31	345	Power Operated Equipment		5.00%			-	-	-	-	-
32	346	Communication Equipment		10.00%			-	-	-	-	-
33	347	Miscellaneous Equipment		10.00%			-	-	-	-	-
34	348	Other Tangible Plant		10.00%			-	-	-	-	-
35	398	Other Tangible Plant		10.00%			-	-	-	-	-
36							-	-	-	-	-
40		Totals			$ 253,700	$ -	$ 253,700	$ 253,700	$ 423,189	$ 7,072,000	$ 985,375
42		Composite Rate with 1/2 yr convention							5.98%		
45		Licenses, Taxes, Permits				$ -					
46		Engineering and Contingency				-					
47		Total				$ -					
49	*Capacity Adjustment to Depreciation Expense -										
50	(Requires an Accounting Order)					1,511					
51	Customer connections					2,721					
52	Capacity (in customer connections)					0.5553					
53	Capacity Factor										

Woodruff Water Company
Plant
Projected Years

Exhibit
Schedule 1a
Page 4
Witness: Kozoman

With Treatment Plant Depreciation computed on Percent of Capacity

Line No.	Account	Description	CIAC Spread	Depreciation Rate	Year 4 Estimate	Engineering Permits, Etc.	Gross Amt	Additions	Depreciation*	Balance	A/D Balance
5	301	Organization		0.00%			$ -	$ -	$ -	$ 25,000	$ -
6	302	Franchises		0.00%			-	-	-	-	-
7	303	Land and Land Rights		0.00%			-	-	-	-	-
8	304	Structures and Improvements		3.33%			-	-	-	-	-
9	305	Collecting and Impounding Rese		2.50%			-	-	-	-	-
10	306	Lake, River and Other Intakes		2.50%			-	-	-	-	-
11	307	Wells and Springs		3.33%			-	-	68,245	2,049,400	202,577
12	308	Infiltration Galleries and Tun		6.67%			-	-	-	-	-
13	309	Supply Mains		2.00%			-	-	-	-	-
14	310	Power Generation Equipment		5.00%				-	1,500	30,000	5,250
15	311	Pumping Equipment		12.50%			-	-	247,500	1,980,000	866,250
16	320	Water Treatment Equipment		3.33%			-	-	33,300	1,000,000	116,550
17	330	Distribution Reservoirs and St		2.22%			-	-	-	-	-
18	331	Transmission and Distribution (AIAC)		2.00%			-	-	-	-	-
19	331	Transmission and Distribution		2.00%	520,900		520,900	520,900	31,347	1,827,800	96,692
20	333	Services		3.33%			-	-	-	-	-
21	334	Meters and Meter Installations		8.33%	242,000		242,000	242,000	60,534	847,700	125,912
22	335	Hydrants	100%	2.00%			-	-	-	-	-
23	335	Hydrants (AIAC)	0%	2.00%			-	-	-	-	-
24	336	Backflow Prevention Devices		6.67%			-	-	-	-	-
25	339	Other Plant and Miscellaneous		6.67%			-	-	-	-	-
26	340	Office Furniture and Equipment		6.67%	5,000		5,000	5,000	2,835	45,000	8,504
27	341	Transportation Equipment		20.00%			-	-	3,000	15,000	10,500
28	342	Stores Equipment		4.00%	5,000		5,000	5,000	900	25,000	2,300
29	343	Tools, Shop and Garage Equipme		5.00%			-	-	-	-	-
30	344	Laboratory Equipment		10.00%			-	-	-	-	-
31	345	Power Operated Equipment		5.00%			-	-	-	-	-
32	346	Communication Equipment		10.00%			-	-	-	-	-
33	347	Miscellaneous Equipment		10.00%			-	-	-	-	-
34	348	Other Tangible Plant		10.00%			-	-	-	-	-
35	398	Other Tangible Plant		10.00%			-	-	-	-	-
36							-	-	-	-	-
40		Totals			$ 772,900	$ -	$ 772,900	$ 772,900	$ 449,161	$ 7,844,900	$ 1,434,536
42		Composite Rate with 1/2 yr convention							5.73%		
45		Licenses, Taxes, Permits				$ -					
46		Engineering and Contingency				-					
47		Total				$ -					
49	*Capacity Adjustment to Depreciation Expense -										
50	(Requires an Accounting Order)					2,116					
51	Customer connections					2,721					
52	Capacity (in customer connections)					0.7777					
53	Capacity Factor										

Woodruff Water Company
Plant
Projected Years

Exhibit
Schedule 1a
Page 5
Witness: Kozoman

Line No.	Account	Description	CIAC Spread	Depreciation Rate	Estimate	Engineering Permits, Etc.	Year 5 Gross Amt	Year 5 Additions	Year 5 Depreciation*	Year 5 Balance	Year 5 A/D Balance
1											
2		With Treatment Plant Depreciation computed on Percent of Capacity									
5	301	Organization		0.00%			$ -	$ -	$ -	$ 25,000	$ -
6	302	Franchises		0.00%			-	-	-	-	-
7	303	Land and Land Rights		0.00%			-	-	-	-	-
8	304	Structures and Improvements		3.33%			-	-	-	-	-
9	305	Collecting and Impounding Rese		2.50%			-	-	-	-	-
10	306	Lake, River and Other Intakes		2.50%			-	-	-	-	-
11	307	Wells and Springs		3.33%			-	-	68,245	2,049,400	270,822
12	308	Infiltration Galleries and Tun		6.67%			-	-	-	-	-
13	309	Supply Mains		2.00%			-	-	-	-	-
14	310	Power Generation Equipment		5.00%				-	1,500	30,000	6,750
15	311	Pumping Equipment		12.50%			-	-	247,500	1,980,000	1,113,750
16	320	Water Treatment Equipment		3.33%			-	-	33,300	1,000,000	149,850
17	330	*Distribution Reservoirs and St*		2.22%			-	-	-	-	-
18	331	Transmission and Distribution (AIAC)		2.00%			-	-	-	-	-
19	331	Transmission and Distribution		2.00%	455,725		455,725	455,725	41,113	2,283,525	137,805
20	333	Services		3.33%			-	-	-	-	-
21	334	Meters and Meter Installations		8.33%	242,000		242,000	242,000	80,693	1,089,700	206,605
22	335	Hydrants	100%	2.00%			-	-	-	-	-
23	335	Hydrants (AIAC)	0%	2.00%			-	-	-	-	-
24	336	Backflow Prevention Devices		6.67%			-	-	-	-	-
25	339	Other Plant and Miscellaneous		6.67%			-	-	-	-	-
26	340	Office Furniture and Equipment		6.67%	5,000		5,000	5,000	3,168	50,000	11,673
27	341	*Transportation Equipment*		20.00%			-	-	3,000	15,000	13,500
28	342	Stores Equipment		4.00%	5,000		5,000	5,000	1,100	30,000	3,400
29	343	Tools, Shop and Garage Equipme		5.00%			-	-	-	-	-
30	344	Laboratory Equipment		10.00%			-	-	-	-	-
31	345	Power Operated Equipment		5.00%			-	-	-	-	-
32	346	Communication Equipment		10.00%			-	-	-	-	-
33	347	Miscellaneous Equipment		10.00%			-	-	-	-	-
34	348	Other Tangible Plant		10.00%			-	-	-	-	-
35	398	Other Tangible Plant		10.00%			-	-	-	-	-
36							-	-	-	-	-
37											
38											
39											
40		*Totals*			$ 707,725	$ -	$ 707,725	$ 707,725	$ 479,619	$ 8,552,625	$ 1,914,155
41											
42		Composite Rate with 1/2 yr convention							5.61%		
43											
44											
45		Licenses, Taxes, Permits				$ -					
46		Engineering and Contingency				-					
47		Total				$ -					
48											
49		*Capacity Adjustment to Depreciation Expense -									
50		(Requires an Accounting Order)				2,721					
51		Customer connections				2,721					
52		Capacity (in customer connections)				1.0000					
53		Capacity Factor									

Woodruff Water Company
Projected Capital Financing
Projected Years Ended

Exhibit
Schedule 1b
Page 1
Witness: Kozoman

	Year 0	1	2	3	4	5	Totals
Plant to be Constructed (From Schedule 1.1 or 1a)	$ -	$ 5,476,800	$ 1,341,500	$ 253,700	$ 772,900	$ 707,725	$ 8,552,625
Financing:							
Transmission & Distribution Lines Advanced by Builders		$ 1,306,900	$ -	$ -	$ 520,900	$ 455,725	$ 2,283,525
Plant Installed with Customer Meter Deposits		120,000	242,000	243,700	242,000	242,000	1,089,700
Contributions-in-aid of Construction (Hook-up Fees)		-	-	3	-	-	3
Common Equity Issued for Plant Construction	-	4,049,900	1,099,500	-	-	-	5,149,400
Common Equity Issued For Working Capital	25,000	75,000	-	-	-	-	100,000
Debt Financing Issued for Plant Construction							
Internal Cash Used for Plant Additions				-		-	-
Total Financing	$ 25,000	$ 5,551,800	$ 1,341,500	$ 243,703	$ 762,900	$ 697,725	$ 8,622,628

Woodruff Water Company
Schedule of Developer Advances and Refunds
Projected Years

Exhibit
Schedule 1c
Page 1
Witness: Kozoman

Line No.		Year 0	Year 1	Year 2	Year 3	Year 4	Year 5
5	**Developer Advances Collected**						
6	Internal Parcel Infrastructure	$ -	$ 1,306,900	$ -	$ -	$ 520,900	$ 455,725
10	Total Collected	$ -	$ 1,306,900	$ -	$ -	$ 520,900	$ 455,725
12	Cummulative Collected	$ -	$ 1,306,900	$ 1,306,900	$ 1,306,900	$ 1,827,800	$ 2,283,525
15	**Developer Advances Refunded (a)**						
16	Advances Refunds at 10% of Revenes from Water Sales			9,360	36,029	71,496	141,546
21	Total Refunds	$ -	$ -	$ 9,360	$ 36,029	$ 71,496	$ 141,546
23	Cummulative Refunds	$ -	$ -	$ 9,360	$ 45,389	$ 116,885	$ 258,431
25	Cummulative Balance	$ -	$ 1,306,900	$ 1,297,540	$ 1,261,511	$ 1,710,915	$ 2,025,094

(a) Refund Rate per Year 10% of Revenue from Customers served by line extension

Woodruff Water Company
Schedule of Meter Deposits and Refunds
Projected Years

Exhibit
Schedule 1d
Page 1
Witness: Kozoman

Line No.			Year 0	1	2	3	4	5
1								
2								
3								
4								
5	**Service Line Installations**							
6	Residential			$ 120,000	$ 240,000	$ 240,000	$ 240,000	$ 240,000
7	Commercial			-	2,000	2,000	2,000	2,000
8	School			-	-	1,700	-	-
9								
10	Total Collected		$ -	$ 120,000	$ 242,000	$ 243,700	$ 242,000	$ 242,000
11								
12	Cummulative Collected		$ -	$ 120,000	$ 362,000	$ 605,700	$ 847,700	$ 1,089,700
13								
14	**Service Line Installations Refunded (a)**							
15	Meter Deposits from Year	1			12,000	12,000	12,000	12,000
16	Meter Deposits from Year	2				24,200	24,200	24,200
17	Meter Deposits from Year	3					24,370	24,370
18	Meter Deposits from Year	4						24,200
19	Meter Deposits from Year	5						
20	Total Refunds		$ -	$ -	$ 12,000	$ 36,200	$ 60,570	$ 84,770
21								
22	Cummulative Refunds		$ -	$ -	$ 12,000	$ 48,200	$ 108,770	$ 193,540
23								
24	Cummulative Balance		$ -	$ 120,000	$ 350,000	$ 557,500	$ 738,930	$ 896,160
25								
26								
27								
28								
29	(a) Refund Rate per Year	10%						
30								

Woodruff Water Company
Schedule of Contributions-in-Aid of Construction
Projected Years

Exhibit
Schedule 1e
Page 1
Witness: Kozoman

Line No.		Year 0	Year 1	Year 2	Year 3	Year 4	Year 5
1							
2							
3		0	1	2	3	4	5
4							
5	**Contributions (Hook-up Fees)**						
6	Residential	$ -	$ -	$ -	$ -	$ -	$ -
7	Commercial		-		-	-	-
8	School		-	-	3	-	-
9							
10							
11	Total Collected	$ -	$ -	$ -	$ 3	$ -	$ -
12							
13	Cummulative Collected	$ -	$ -	$ -	$ 3	$ 3	$ 3
14							
15	**Amortization**						
16	Composite Rate (1/2 Yr Conv.)	0.00%	3.25%	5.64%	5.98%	5.73%	5.61%
17							
18	Amortization	$ -	$ -	$ -	$ 0	$ 0	$ 0
19							
20	Cummulative Amortization	$ -	$ -	$ -	$ 0	$ 0	$ 1
21							
22	Cummulative Balance	$ -	$ -	$ -	$ 3	$ 3	$ 2
23							
24							
25							
26							
27							
28							

Woodruff Water Company
Projected Statements of Income
For the 12 Months Ended

Exhibit
Schedule 2
Page 1
Witness: Kozoman

Line No.				Year 1	Year 2	Year 3	Year 4	Year 5
1								
2								
3	**Total estimated Revenues**			$ 102,600	$ 378,440	$ 733,145	$ 1,087,729	$ 1,433,609
4	**Expenses**							
5	Pumping Power - All	0.45	per 1,000 gals	8,100	32,811	67,264	101,717	134,938
6	Wages			50,000	51,500	53,045	54,636	56,275
7	Payroll Burden			16,500	16,995	17,505	18,030	18,571
8	Permits (Not Caplitalized to Plant)			5,000	5,000	5,000	5,000	5,000
9	Licenses (Not Capitalized to Plant)			2,000	2,060	2,122	2,185	2,251
10	Enginnering (Not Capitalized to Plant)			2,000	2,060	2,122	2,185	2,251
11	Chemicals			6,000	9,000	12,000	15,000	18,000
12	Supplies			4,000	5,000	6,000	7,000	8,000
13	Repairs			2,000	6,000	9,000	12,000	15,000
14	Insurance (b)			4,000	4,120	4,244	4,371	4,502
15	Office Expense			1,000	3,000	5,000	7,000	9,000
16	Billing, Postage, Operations (a)(b)	1.50	Per Customer	2,700	10,845	21,744	32,643	43,533
17	Contract Labor			2,000	2,060	2,122	2,185	2,251
18	Administrative Services			40,000	41,200	42,436	43,709	45,020
19	Rentals			3,000	3,090	3,183	3,278	3,377
20	Depreciation net of Amortization of CIAC (From Schedules 1a & 1e)			177,900	384,286	423,189	449,161	479,619
21	Vehicles (b)	$ 2,500		2,500	2,575	2,652	2,732	2,814
22	Legal & Accounting (b)	$ 12,000		12,000	12,360	12,731	13,113	13,506
23	Miscellenous Expenses (b) (e)	$ 2,400		2,400	2,472	2,546	2,623	2,701
24	Testing (d)			1,500	4,525	7,555	10,580	13,605
25	Income Taxes			50	50	50	50	103,935
26	Property Taxes (f)			2,713	5,604	12,187	22,186	32,987
27								
28	**Total Expense**			$ 347,363	$ 606,613	$ 713,695	$ 811,385	$ 1,017,136
29								
30	**Operating income (loss)**			$ (244,763)	$ (228,173)	$ 19,449	$ 276,344	$ 416,473
31	Less:							
32	Interest (Expense)Income on Cash Balance (c)			375	878	3,040	10,526	24,887
33	Interest Expense Long-term Debt (c)			-	-	-	-	-
34	**Net Income**			$ (244,388)	$ (227,295)	$ 22,489	$ 286,871	$ 441,360

35 Income Tax assumes utilitization of loss carryforwards. Income Tax computed on book basis.
36 (a) Per customer per month
37 (b) Annual Inflation of: 3.00%
38 (c) If Applicable
39 (d) Based on Testing Cost of $5.00 Per Year Per Customer
40 (e) Miscellaneous Expenses of $200 per month
41 (f) See Property Tax Calculation

Woodruff Water Company
Schedule of Projected Revenues
For the Years Ended

Exhibit
Schedule 2a
Page 1
Witness: Kozoman

Line No.		Year 1	Year 2	Year 3	Year 4	Year 5
1						
2		1	2	3	4	5
3	Residential					
4	5/8 Inch	$ 93,600	$ 356,400	$ 694,800	$ 1,033,200	$ 1,371,600
5	Establishment Fees *	9,000	18,000	18,000	18,000	18,000
6	Total Residential Revenues	102,600	374,400	712,800	1,051,200	1,389,600
7						
8	Commercial					
9	5/8 Inch	-	3,890	11,370	18,850	26,330
10	Establishment Fees *	-	150	150	150	150
11	Total Commercial Revenues	-	4,040	11,520	19,000	26,480
12						
13	Effluent Revenues, if Applicable	-	-	-	-	-
14						
15	Other Revenues					
16	School	-	-	8,795	17,529	17,529
17	Establishment Fees *			30		
18	Total School Revenues	-	-	8,825	17,529	17,529
19						
20	Total	$ 102,600	$ 378,440	$ 733,145	$ 1,087,729	$ 1,433,609
21						
22						
23						
24	* Collected at either Water or Wastewater Uitility, but not both.					

Woodruff Water Company
Customer Counts
For Projected Years Ended

Exhibit
Schedule 2a
Page 2
Witness: Kozoman

Line No.		Year				
1						
2	**Year Ended**	**1**	**2**	**3**	**4**	**5**
3	Residential					
4	5/8 Inch	300	900	1,500	2,100	2,700
5						
6	Commercial					
7	5/8 Inch	-	5	10	15	20
8	1 Inch	-	-	-	-	-
9	2 Inch	-	-	-	-	-
10						
11	Irrigation					
12						
13	School 2 Inch	-	-	1	1	1
14						
15						
16						
17	Total	300	905	1,511	2,116	2,721
18						
19	Customer Count for Computing Revenues (Uses 1/2 Year Convention					
20				**Year**		
21	**Year Ended**	**1**	**2**	**3**	**4**	**5**
22	Residential					
23	5/8 Inch	150.00	600.00	1,200.00	1,800.00	2,400.00
24						
25	Commercial					
26	5/8 Inch	-	2.50	7.50	12.50	17.50
27	1 Inch	-	-	-	-	-
28	2 Inch	-	-	-	-	-
29						
30	Irrigation					
31						
32	School 2 Inch	-	-	0.50	1.00	1.00
33						
34						
35						
36	Total	150.00	602.50	1,208.00	1,813.50	2,418.50

Woodruff Water Company
Gallons Sold (1,000's)
For Projected Years Ended

Exhibit
Schedule 2a
Page 3
Witness: Kozoman

Line No.		Year				
1						
2	**Year Ended**	**1**	**2**	**3**	**4**	**5**
3	Residential					
4	5/8 Inch	18,000	72,000	144,000	216,000	288,000
5						
6	Commercial					
7	5/8 Inch	-	913	2,738	4,563	6,388
8	1 Inch	-	-	-	-	-
9	2 Inch	-	-	-	-	-
10						
11	Irrigation					
12						
13	School 2 Inch	-	-	2,738	5,475	5,475
14						
15						
16						
17	Total	18,000	72,913	149,475	226,038	299,863
18						
19	Commercial & School	-	913	5,475	10,038	11,863
20						
21						
22						

Woodruff Water Company
Schedule of Projected Revenues
For the Years Ended

Exhibit
Schedule 2a
Page 4
Witness: Kozoman

Line No.																								
1																								
2	**Projected Customers / Residential 5/8 Inch Meter**																							
3																								
4																								
5																								
6	Estimated connections installed by year end																							
7	(Cumulative)																							
8	Estimated connection installed during the year																							
9																								
10	1/2 Year Convention for Revenue																							
11																								
12	**Projected Revenue**																							
13																								
14	Annual gallonage delivered (in 1,000's)*																							
15	Assuming average usage per month of:																							
16	Daily Gallons																							
17	Residential:																							
18	Monthly Mins.																							
19																								
20	For Usage Up to: (Gallons)																							
21																								
22																								
23	Usage over:																							
24																								
25																								
26																								
27	**Average Bill for Residential Customer:**																							
28																								
29																								
30																								
31																								
32																								
33	Establishment Fees at:																							
34																								
35																								
36																								
37																								
38																								
39																								
40	** Collected at either Water or Wastewater Uitility, but not both.																							
41																								
42																								

					Year 1	Year 2	Year 3	Year 4	Year 5
Estimated connections installed by year end					300	600	600	600	600
(Cumulative)					300	900	1,500	2,100	2,700
Estimated connection installed during the year					300	600	600	600	600
1/2 Year Convention for Revenue					150.00	600.00	1,200.00	1,800.00	2,400.00
Annual gallonage delivered (in 1,000's)*			120,000		18,000	72,000	144,000	216,000	288,000
Assuming average usage per month of:			**10,000**						
Daily Gallons			328.77		49,315	197,260	394,521	591,781	789,041
Monthly Mins.	$ 24.00	Minimum Charge			$ 43,200	$ 172,800	$ 345,600	$ 518,400	$ 691,200
For Usage Up to: (Gallons)									
7,000	$ 2.00	Commodity Rate & Revenue		**Tier 1**	25,200	100,800	201,600	302,400	403,200
14,000	$ 3.00	Commodity Rate & Revenue		**Tier 2**	16,200	64,800	129,600	194,400	259,200
Usage over:									
14,001	$ 4.00	Commodity Rate & Revenue		**Tier 3**					
Average Bill for Residential Customer:									
	$ 47.00								
Establishment Fees at:			$ 30.00	**	$ 9,000	$ 18,000	$ 18,000	$ 18,000	$ 18,000
Total Revenue					$ 93,600	$ 356,400	$ 694,800	$ 1,033,200	$ 1,371,600

328.77	= Gallons per day
30.42	= Days in Average Month
10,000	= Average Usage per month

Woodruff Water Company
Schedule of Projected Revenues
For the Years Ended

Exhibit
Schedule 2a
Page 5
Witness: Kozoman

Line No.	Description					Year 1	Year 2	Year 3	Year 4	Year 5
1										
2	**Projected Customers / School 2 Inch Meter:**									
3										
4										
5						**1**	**2**	**3**	**4**	**5**
6	Estimated connections installed by year end							1		
7	(Cumulative)							1	1	1
8	Estimated connection installed during the year							1		
9										
10	1/2 Year Convention for Revenue					-	-	0.50	1.00	1.00
11										
12	**Projected Revenue**									
13										
14										
15	Annual gallonage delivered (in 1,000's)*			5,475,000		-	-	2,738	5,475	5,475
16	Assuming average usage per month of:			456,250						
17	Daily Gallons			15,000.00		-	-	-	-	-
18	**School:**									
19	Monthly Mins. 2 Inch Meter	$ 192.00	Minimum Charge			$ -	$ -	$ 1,152	$ 2,304	$ 2,304
20	For Usage Up to: (Gallons)									
21	100,000	$ 2.00	Commodity Rate & Revenue		**Tier 1**			1,200	2,400	2,400
22	500,000	$ 3.00	Commodity Rate & Revenue		**Tier 2**			6,413	12,825	12,825
23	Usage over:									
24	500,001	$ 4.00	Commodity Rate & Revenue		**Tier 3**					
25										
26	Establishment Fees at			$ 30.00	**	$ -	$ -	$ 30	$ -	$ -
27	Total Revenue					$ -	$ -	$ 8,795	$ 17,529	$ 17,529
28										
29		15,000	= Gallons per day							
30		30.42	= Days in Average Month							
31		456,250	= Average Usage per month							
32										
33	** Collected at either Water or Wastewater Uitility, but not both.									

Assumed that water usage was based on number of students (750) times usage of 20 gallons per student, per day, times average number of days in a month. Assumed 365 day usage. Further assumed that other water usage (landscape, etc.) would account for days when there was no school (such as weekends & holidays)

Woodruff Water Company
Schedule of Projected Revenues
For the Years Ended

Exhibit
Schedule 2a
Page 6
Witness: Kozoman

Line No.						Year 1	Year 2	Year 3	Year 4	Year 5
1										
2	**Projected Customers / Commercial 5/8 Inch Meter**									
3										
4										
5										
6	Estimated connections installed by year end					0	5	5	5	5
7	(Cumulative)					0	5	10	15	20
8	Estimated connection installed during the year						5	5	5	5
9										
10	1/2 Year Convention for Revenue					-	2.50	7.50	12.50	17.50
11										
12	**Projected Revenue**									
13										
14	Annual gallonage delivered (in 1,000's)*			365,000		-	913	2,738	4,563	6,388
15	Assuming average usage per month of:			30,417						
16	Daily Gallons			1,000.00		-	2,500	7,500	12,500	17,500
17	**Commecial**									
18	Monthly Mins. 5/8 Inch Meter	$ 24.00	Minimum Charge			$ -	$ 720	$ 2,160	$ 3,600	$ 5,040
19	For Usage Up to: (Gallons)									
20	7,000	$ 2.00	Commodity Rate & Revenue		**Tier 1**		420	1,260	2,100	2,940
21	14,000	$ 3.00	Commodity Rate & Revenue		**Tier 2**		630	1890	3150	4410
22	Usage over:									
23	14,001	$ 4.00	Commodity Rate & Revenue		**Tier 3**		1,970	5,910	9,850	13,790
24										
25										
26										
27	Establishment Fees at			$ 30.00	**	$ -	$ 150	$ 150	$ 150	$ 150
28		Total Revenue				$ -	$ 3,890	$ 11,370	$ 18,850	$ 26,330
29										
30		1,000	= Gallons per day							
31		30.42	= Days in Average Month							
32		30,417	= Average Usage per month							
33										
34	** Collected at either Water or Wastewater Uitility, but not both.									

Woodruff Water Company
Schedule of Projected Revenues
For the Years Ended

Exhibit
Schedule 2a
Page 7
Witness: Kozoman

Line No.						Year 1	Year 2	Year 3	Year 4	Year 5
1										
2	**Projected Customers / Commercial 1 Inch Meter**									
3										
4										
5										
6	Estimated connections installed by year end									
7	(Cumulative)									
8	Estimated connection installed during the year									
9										
10	1/2 Year Convention for Revenue					-	-	-	-	-
11										
12	**Projected Revenue**									
13										
14	Annual gallonage delivered (in 1,000's)*			240,000		-	-	-	-	-
15	Assuming average usage per month of:			20,000						
16	Daily Gallons			657.53		-	-	-	-	-
17	Commecial									
18	Monthly Mins. 1 Inch Meter	$	60.00	Minimum Charge		$ -	$ -	$ -	$ -	$ -
19	For Usage Up to: (Gallons)									
20	7,000	$	2.00	Commodity Rate & Re	**Tier 1**					
21	14,000	$	3.00	Commodity Rate & Re	**Tier 2**					
22	Usage over:									
23	14,001	$	4.00	Commodity Rate & Re	**Tier 3**					
24										
25	Establishment Fees at			$ 30.00	**	$ -	$ -	$ -	$ -	$ -
26		Total Revenue				$ -	$ -	$ -	$ -	$ -
27										
28			657.53	= Gallons per day						
29			30.42	= Days in Average Month						
30			20,000	= Average Usage per month						
31										
32	** Collected at either Water or Wastewater Uitility, but not both.									

Woodruff Water Company
Schedule of Projected Revenues
For the Years Ended

Exhibit
Schedule 2a
Page 8
Witness: Kozoman

Line No.						Year 1	Year 2	Year 3	Year 4	Year 5
1										
2	**Projected Customers / Commercial 2 Inch Meter**									
3										
4										
5										
6	Estimated connections installed by year end									
7	(Cumulative)					-	-	-	-	-
8	Estimated connection installed during the year					-	-	-	-	-
9										
10	1/2 Year Convention for Revenue					-	-	-	-	-
11										
12	**Projected Revenue**									
13										
14	Annual gallonage delivered (in 1,000's)*			360,000		-	-	-	-	-
15	Assuming average usage per month of:			30,000						
16	Daily Gallons			986.30		-	-	-	-	-
17	Commecial									
18	Monthly Mins. 2 Inch Meter	$ 192.00	Minimum Charge			$ -	$ -	$ -	$ -	$ -
19	For Usage Up to: (Gallons)									
20	7,000	$ 2.00	Commodity Rate & Re	**Tier 1**						
21	14,000	$ 3.00	Commodity Rate & Re	**Tier 2**						
22	Usage over:									
23	14,001	$ 4.00	Commodity Rate & Re	**Tier 3**						
24										
25	Establishment Fees at			$ 30.00	**	$ -	$ -	$ -	$ -	$ -
26		Total Revenue				$ -	$ -	$ -	$ -	$ -
27										
28		986.30	= Gallons per day							
29		30.42	= Days in Average Month							
30		30,000	= Average Usage per month							
31										
32	** Collected at either Water or Wastewater Uitility, but not both.									

Woodruff Water Company
Schedule of Projected Revenues
For the Years Ended

Exhibit
Schedule 2a
Page 9
Witness: Kozoman

Line No.				Year 1	Year 2	Year 3	Year 4	Year 5
1								
2								
3								
4								
5								
6								
7	**Projected Revenue**							
8	Customers							
9	Annual gallonage delivered (in 1,000's)*							
10	Annual gallonage delivered (in Acre Feet)*							
11								
12								
13	Charge per Acre Foot	$ -		$ -	$ -	$ -	$ -	$ -
14								
15								
16	Price per 1,000 gallons =	$ -						
17								
18								
19								
20	Establishment Fees at		$ 30.00 **					
21		Total Effluent Revenue		$ -	$ -	$ -	$ -	$ -
22								
23								
24	* If Applicable							
25	** Collected at either Water or Wastewater Uitility, but not both.							
26								
27								

Woodruff Water Company
Schedule for the Computation of Projected
Property Taxes for the Years Ended

Exhibit
Schedule 2b
Page 1
Witness: Kozoman

Line No.		Year 1	Year 2	Year 3	Year 4	Year 5
1						
2						
3	Revenue Component 1	$ 102,600	$ 102,600	$ 102,600	$ 378,440	$ 733,145
4	Revenue Component 2	102,600	102,600	378,440	733,145	1,087,729
5	Revenue Component 3	102,600	378,440	733,145	1,087,729	1,433,609
6						
7	Average 3 years of revenue	$ 102,600	$ 194,547	$ 404,728	$ 733,105	$ 1,084,828
8	Add:					
9	Construction Work in Progress at 10%	0	0	0	0	0
10	Deduct:					
11	Book Value of Transportation Equipment	13,500	10,500	4,500	4,500	1,500
12						
13	Full Cash Value	$ 89,100	$ 184,047	$ 400,228	$ 728,605	$ 1,083,328
14						
15						
16	Times Assessment Ratio	25.00%	25.00%	25.00%	25.00%	25.00%
17						
18	Assessed Value	$ 22,275	$ 46,012	$ 100,057	$ 182,151	$ 270,832
19						
20	Property Tax Rate (Statewide Rate Used)	12.18%	12.18%	12.18%	12.18%	12.18%
21						
22	**Computed Property Tax**	$ 2,713	$ 5,604	$ 12,187	$ 22,186	$ 32,987
23						
24						
25						
26						

Woodruff Water Company
Projected Cash Flows
For the Years Ended

Exhibit
Schedule 3
Page 1
Witness: Kozoman

Line No.		Year 0	Year 1	Year 2	Year 3	Year 4	Year 5
1							
2		0	1	2	3	4	5
3	**Cash from Operations**						
4	Beginning Cash Balance	$ -	$ 25,000	$ 33,512	$ 169,143	$ 532,595	$ 1,126,559
5							
6	Income from Operations (From Income Statement, Schedule 2)		(244,388)	(227,295)	22,489	286,871	441,360
7	Add Depreciation expense (From Income Statement, Schedule 2)		177,900	384,286	423,189	449,161	479,619
8							
9	**Total Cash From Operations**	$ -	$ (66,488)	$ 156,991	$ 445,678	$ 736,031	$ 920,979
10							
11	**Cash from Financing**						
12							
13	Deposits (security) collected	$ -	$ -	$ -	$ -	$ -	$ -
14	Long-Term Debt	-	-	-	-	-	-
15	Common Equity	25,000	4,124,900	1,099,500	-	-	-
16	Advances in Aid of Const. (From Schedule 1c)	-	1,306,900	-	-	520,900	455,725
17	Contribution in Aid of Const. (Hook-up Fees)	-	-	-	3	-	-
18	Meter Deposits Collected (From Schedule 1d)	-	120,000	242,000	243,700	242,000	242,000
19							
20							
21	**Total Cash from Financing**	$ 25,000	$ 5,551,800	$ 1,341,500	$ 243,703	$ 762,900	$ 697,725
22							
23							
24							
25	**Uses of Cash:**						
26							
27							
28	Long-term debt Repayment						
29	Advances Refunded (From Schedule 1c)	$ -	$ -	$ 9,360	$ 36,029	$ 71,496	$ 141,546
30	Meter Deposit Refunded (From Schedule 1d)	-	-	12,000	36,200	60,570	84,770
31	Deposit (Security) refunded						
32	Capital Improvements - Plant (From Schedule 1.1)	-	5,476,800	1,341,500	253,700	772,900	707,725
33							
34	**Total Cash Uses**	$ -	$ 5,476,800	$ 1,362,860	$ 325,929	$ 904,966	$ 934,041
35							
36	**Ending Cash Balance (Line3 + 9 + 21 - 34)**	$ 25,000	$ 33,512	$ 169,143	$ 532,595	$ 1,126,559	$ 1,811,222
37							
38							
39	Interest Income: Assuming Earning Equal to Inflation Factor on Average Cash Balance						
40	Average Cash Balance ((Line 4 + Line 36)/2)	$ 12,500	$ 29,256	$ 101,327	$ 350,869	$ 829,577	$ 1,468,891
41	Interest Earned (Assumed Inflation Rate times Average Ba	$ 375	$ 878	$ 3,040	$ 10,526	$ 24,887	$ 44,067

Woodruff Water Company
REPRESENTATIVE RATE SCHEDULE

Exhibit
Schedule 4
Page 1
Witness: Kozoman

LINE NO.	METER SIZE			PROPOSED RATES MONTHLY CHARGE
1	METER SIZE			MONTHLY CHARGE
2				
3	MONTHLY MINIMUMS:			
4	5/8 x 3/4 And			$ 24.00
5	3/4			$ 24.00
6	1			$ 60.00
7	1 1/2			$ 120.00
8	2			$ 192.00
9	3			$ 384.00
10	4			$ 600.00
11	6			$ 1,200.00
12	8			$ 1,920.00
13	10			$ 2,760.00
14	12			$ 5,160.00
15				
16	COMMODITY RATES / ALL METERS			
17	Usage	Usage	**5/8 & 3/4 Inch Meters**	
18	From	To		
19	-	7,000		$ 2.00
20	7,001	14,000		$ 3.00
21	14,001	Infinity		$ 4.00
22				
23	Usage	Usage	**1 Inch Meters**	
24	From	To		
25	-	7,000		$ 2.00
26	7,001	35,000		$ 3.00
27	35,001	Infinity		$ 4.00
28				
29	Usage	Usage	**1 1/2 Inch Meters**	
30	From	To		
31	-	7,000		$ 2.00
32	7,001	70,000		$ 3.00
33	70,001	Infinity		$ 4.00
34				
35	Usage	Usage	**2 Inch Meters**	
36	From	To		
37	-	7,000		$ 2.00
38	7,001	112,000		$ 3.00
39	112,001	Infinity		$ 4.00
40				
41	**COMMODITY RATES / SCHOOL**			
42	Usage	Usage	**2 Inch Meters**	
43	From	To		
44	0	100,000		$ 2.00
45	100,001	500,000		$ 3.00
46	500,001	Infinity		$ 4.00
47				

Woodruff Water Company
REPRESENTATIVE RATE SCHEDULE

Exhibit
Schedule 4
Page 2
Witness: Kozoman

LINE NO.				PROPOSED RATES	
1	Usage	Usage	**3 Inch Meters**		
2	From	To			
3	-	7,000		$	2.00
4	7,001	224,000		$	3.00
5	224,001	Infinity		$	4.00
6					
7	Usage	Usage	**4 Inch Meters**		
8	From	To			
9	-	7,000		$	2.00
10	7,001	350,000		$	3.00
11	350,001	Infinity		$	4.00
12					
13	Usage	Usage	**6 Inch Meters**		
14	From	To			
15	-	7,000		$	2.00
16	7,001	700,000		$	3.00
17	700,001	Infinity		$	4.00
18					
19	Usage	Usage	**8 Inch Meters**		
20	From	To			
21	-	7,000		$	2.00
22	7,001	1,120,000		$	3.00
23	1,120,001	Infinity		$	4.00
24					
25	Usage	Usage	**10 Inch Meters**		
26	From	To			
27	-	7,000		$	2.00
28	7,001	1,610,000		$	3.00
29	1,610,001	Infinity		$	4.00
30					
31	Usage	Usage	**12 Inch Meters**		
32	From	To			
33	-	7,000		$	2.00
34	7,001	3,010,000		$	3.00
35	3,010,001	Infinity		$	4.00

Woodruff Water Company
REPRESENTATIVE RATE SCHEDULES
STATEMENT OF CHARGES

Exhibit
Schedule 5
Page 1
Witness: Kozoman

LINE NO.		Proposed
1	A. Establishment of Service	$ 30.00
2	Establishment of Service, after hours	$ 50.00
3		
4	B. Re-establishment of Service	see **(a)**
5	C. Reconnection of service	$ 50.00
6	D. After hours service charge, per hour	$ 50.00
7	E. Minimum Deposit Two Times Monthly Bill	
8	F. Charge for NSF Check	$ 35.00
9	G. Late payment charge for delinquent bills	
10	H. Deferred Payment Finance Charge	1.50%
11	I. Main Extension and additional facilities agreements,	@ COST **(b)**
12	J. All Revenue related taxes will be charged customers.	
13	K. Meter Test (If Meter is reading correctly)	$ 30.00
14	I. Meter Re-Read	$ 30.00
15	M. Deferred Payment	1.50% Per Month
16	N. Late Payment	1.50% Per Month
17		
18	Meter and Service Line Installation **(c)**	
19	5/8 x 3/4 inch	$ 400.00
20	3/4 inch	$ 440.00
21	1 inch	$ 500.00
22	1 1/2 inch	$ 715.00
23	2 Inch - Turbo	$ 1,170.00
24	2 inch - Compound	$ 1,700.00
25	3 inch - Turbo	$ 1,585.00
26	3 Inch - Compound	$ 2,190.00
27	4 Inch - Turbo	$ 2,540.00
28	4 inch - Compound	$ 3,215.00
29	6 Inch - Turbo	$ 4,815.00
30	6 inch - Compound	$ 6,270.00

31 RULES AND REGULATIONS
32 * The Company has adopted the Rules and Regulation established by the Commission
33 as the basis for its operating procedures. Arizona Corporation Commission Rules
34 will be controlling of Company procedures, unless specific Commission Orders
35 provide otherwise.
36 **(a)** Monthly minimum times months off the system
37 **(b)** Cost to include parts, labor, overhead, and all applicable taxes, including
38 income tax.
39 **(c)** Plus income tax, as meter and service lines to single customer are taxable by IRS
40 Codes. Income tax will be refunded along with meter and service line charge over
41 term of refund period.

E

ATTACHMENT – E

Public Notices

Woodruff Water Company
2555 E. Camelback Road, Suite 700
Phoenix, AZ 85016

May 28, 2004

Mr. & Mrs. Howard Wuertz
3227 W. Bechtel Road
Coolidge AZ 85228

Dear Mr. & Mrs. Wuertz:

We are in the process of filing the necessary forms and documentation for establishing the water service provider, Woodruff Water Company, for the planned community Sandia.

The process of formation requires that we obtain a certificate of convenience and necessity, (CCN) and notify the land owners within the area that Woodruff Water Company will commit to provide water service to.

The attached letter is the formal notification to you, the property owner, that Woodruff Water Company is requesting a CCN.

Please contact either me or Russ Shasky at 602-956-7200, if you have any questions or concerns regarding this application.

Sincerely,

Karl Polen
Vice President

Woodruff Water Company
2555 E. Camelback Road, Suite 700
Phoenix, AZ 85016

June 15, 2004

Mr. & Mrs. Howard Wuertz
3227 W. Bechtel Road
Coolidge AZ 85228

Dear Mr. & Mrs. Wuertz:

Woodruff Water Company has filed with the Arizona Corporation Commission an application for authority to provide water service to an area in which records indicate that you are a property owner. If the application is granted, Woodruff Water Company will be the exclusive provider of water service to the proposed area. Woodruff Water Company will be required by the Arizona Corporation Commission to provide this service under the rate, charges, terms, and conditions established by the commission. The granting of the application would not necessarily prohibit an individual from providing service to themselves from individually owned facilities on their property. The application is available for inspection during regular business hours at the offices of the Arizona Corporation Commission, 1200 W. Washington Street, Phoenix, Arizona 85007 and at Woodruff Water Company, 2555 E. Camelback Road, Suite 700, Phoenix, Arizona 85016.

The Arizona Corporation Commission will hold a hearing on this matter. As a property owner, you may have the right to intervene in the proceeding. If you do not wish to intervene, you may appear at the hearing and make a statement on your own behalf. You may contact the commission at the address and telephone number listed below for the date and time of the hearing and for more information on intervention. You may not receive any further notice of the proceeding unless requested by you.

If you have any questions or concerns about this application, have any objections to its approval, or wish to make a statement in support of it, you may contact the consumer services section of the Arizona Corporation Commission at 1200 W. Washington Street, Phoenix, Arizona, 85007, or call 1-800-222-7000.

Sincerely,

Karl Polen
Vice President

Woodruff Water Company
2555 E. Camelback Road, Suite 700
Phoenix, AZ 85016

May 28, 2004

Ms. Sarah Lynn Wuertz
3227 W. Bechtel Road
Coolidge AZ 85228

Dear Ms. Wuertz:

We are in the process of filing the necessary forms and documentation for establishing the water service provider, Woodruff Water Company, for the planned community Sandia.

The process of formation requires that we obtain a certificate of convenience and necessity, (CCN) and notify the land owners within the area that Woodruff Water Company will commit to provide water service to.

The attached letter is the formal notification to you, the property owner, that Woodruff Water Company is requesting a CCN.

Please contact either me or Russ Shasky at 602-956-7200, if you have any questions or concerns regarding this application.

Sincerely,

Karl Polen
Vice President

Woodruff Water Company
2555 E. Camelback Road, Suite 700
Phoenix, AZ 85016

May 28, 2004

Ms. Sarah Lynn Wuertz
3227 W. Bechtel Road
Coolidge AZ 85228

Dear Ms. Wuertz:

Woodruff Water Company has filed with the Arizona Corporation Commission an application for authority to provide water service to an area in which records indicate that you are a property owner. If the application is granted, Woodruff Water Company will be the exclusive provider of water service to the proposed area. Woodruff Water Company will be required by the Arizona Corporation Commission to provide this service under the rate, charges, terms, and conditions established by the commission. The granting of the application would not necessarily prohibit an individual from providing service to themselves from individually owned facilities on their property. The application is available for inspection during regular business hours at the offices of the Arizona Corporation Commission, 1200 W. Washington Street, Phoenix, Arizona 85007 and at Woodruff Water Company, 2555 E. Camelback Road, Suite 700, Phoenix, Arizona 85016.

The Arizona Corporation Commission will hold a hearing on this matter. As a property owner, you may have the right to intervene in the proceeding. If you do not wish to intervene, you may appear at the hearing and make a statement on your own behalf. You may contact the commission at the address and telephone number listed below for the date and time of the hearing and for more information on intervention. You may not receive any further notice of the proceeding unless requested by you.

If you have any questions or concerns about this application, have any objections to its approval, or wish to make a statement in support of it, you may contact the consumer services section of the Arizona Corporation Commission at 1200 W. Washington Street, Phoenix, Arizona, 85007, or call 1-800-222-7000.

Sincerely,

Karl Polen
Vice President

Woodruff Water Company
2555 E. Camelback Road, Suite 700
Phoenix, AZ 85016

May 28, 2004

Mr. Gregory Wuertz
3422 N. Vail
Coolidge AZ 85228

Dear Mr. Wuertz:

We are in the process of filing the necessary forms and documentation for establishing the water service provider, Woodruff Water Company, for the planned community Sandia.

The process of formation requires that we obtain a certificate of convenience and necessity, (CCN) and notify the land owners within the area that Woodruff Water Company will commit to provide water service to.

The attached letter is the formal notification to you, the property owner, that Woodruff Water Company is requesting a CCN.

Please contact either me or Russ Shasky at 602-956-7200, if you have any questions or concerns regarding this application.

Sincerely,

Karl Polen
Vice President

Woodruff Water Company
2555 E. Camelback Road, Suite 700
Phoenix, AZ 85016

May 28, 2004

Mr. Gregory Wuertz
3422 N. Vail
Coolidge AZ 85228

Dear Mr. Wuertz:

Woodruff Water Company has filed with the Arizona Corporation Commission an application for authority to provide water service to an area in which records indicate that you are a property owner. If the application is granted, Woodruff Water Company will be the exclusive provider of water service to the proposed area. Woodruff Water Company will be required by the Arizona Corporation Commission to provide this service under the rate, charges, terms, and conditions established by the commission. The granting of the application would not necessarily prohibit an individual from providing service to themselves from individually owned facilities on their property. The application is available for inspection during regular business hours at the offices of the Arizona Corporation Commission, 1200 W. Washington Street, Phoenix, Arizona 85007 and at Woodruff Water Company, 2555 E. Camelback Road, Suite 700, Phoenix, Arizona 85016.

The Arizona Corporation Commission will hold a hearing on this matter. As a property owner, you may have the right to intervene in the proceeding. If you do not wish to intervene, you may appear at the hearing and make a statement on your own behalf. You may contact the commission at the address and telephone number listed below for the date and time of the hearing and for more information on intervention. You may not receive any further notice of the proceeding unless requested by you.

If you have any questions or concerns about this application, have any objections to its approval, or wish to make a statement in support of it, you may contact the consumer services section of the Arizona Corporation Commission at 1200 W. Washington Street, Phoenix, Arizona, 85007, or call 1-800-222-7000.

Sincerely,

Karl Polen
Vice President

Woodruff Water Company
2555 E. Camelback Road, Suite 700
Phoenix, AZ 85016

May 28, 2004

Ms. Carol Wuertz-Behrens
3227 W. Bechtel Road
Coolidge AZ 85228

Dear Ms. Wuertz-Behrens:

We are in the process of filing the necessary forms and documentation for establishing the water service provider, Woodruff Water Company, for the planned community Sandia.

The process of formation requires that we obtain a certificate of convenience and necessity, (CCN) and notify the land owners within the area that Woodruff Water Company will commit to provide water service to.

The attached letter is the formal notification to you, the property owner, that Woodruff Water Company is requesting a CCN.

Please contact either me or Russ Shasky at 602-956-7200, if you have any questions or concerns regarding this application.

Sincerely,

Karl Polen
Vice President

Woodruff Water Company
2555 E. Camelback Road, Suite 700
Phoenix, AZ 85016

May 28, 2004

Ms. Carol Wuertz-Behrens
3227 W. Bechtel Road
Coolidge AZ 85228

Dear Ms. Wuertz-Behrens:

Woodruff Water Company has filed with the Arizona Corporation Commission an application for authority to provide water service to an area in which records indicate that you are a property owner. If the application is granted, Woodruff Water Company will be the exclusive provider of water service to the proposed area. Woodruff Water Company will be required by the Arizona Corporation Commission to provide this service under the rate, charges, terms, and conditions established by the commission. The granting of the application would not necessarily prohibit an individual from providing service to themselves from individually owned facilities on their property. The application is available for inspection during regular business hours at the offices of the Arizona Corporation Commission, 1200 W. Washington Street, Phoenix, Arizona 85007 and at Woodruff Water Company, 2555 E. Camelback Road, Suite 700, Phoenix, Arizona 85016.

The Arizona Corporation Commission will hold a hearing on this matter. As a property owner, you may have the right to intervene in the proceeding. If you do not wish to intervene, you may appear at the hearing and make a statement on your own behalf. You may contact the commission at the address and telephone number listed below for the date and time of the hearing and for more information on intervention. You may not receive any further notice of the proceeding unless requested by you.

If you have any questions or concerns about this application, have any objections to its approval, or wish to make a statement in support of it, you may contact the consumer services section of the Arizona Corporation Commission at 1200 W. Washington Street, Phoenix, Arizona, 85007, or call 1-800-222-7000.

Sincerely,

Karl Polen
Vice President

Woodruff Water Company
2555 E. Camelback Road, Suite 700
Phoenix, AZ 85016

May 28, 2004

Mr. David A. Wuertz
3906 N. Sunshine Blvd.
Casa Grande AZ 85222

Dear Mr. Wuertz:

We are in the process of filing the necessary forms and documentation for establishing the water service provider, Woodruff Water Company, for the planned community Sandia.

The process of formation requires that we obtain a certificate of convenience and necessity, (CCN) and notify the land owners within the area that Woodruff Water Company will commit to provide water service to.

The attached letter is the formal notification to you, the property owner, that Woodruff Water Company is requesting a CCN.

Please contact either me or Russ Shasky at 602-956-7200, if you have any questions or concerns regarding this application.

Sincerely,

Karl Polen
Vice President

Woodruff Water Company
2555 E. Camelback Road, Suite 700
Phoenix, AZ 85016

May 28, 2004

Mr. David A. Wuertz
3906 N. Sunshine Blvd.
Casa Grande AZ 85222

Dear Mr. Wuertz:

Woodruff Water Company has filed with the Arizona Corporation Commission an application for authority to provide water service to an area in which records indicate that you are a property owner. If the application is granted, Woodruff Water Company will be the exclusive provider of water service to the proposed area. Woodruff Water Company will be required by the Arizona Corporation Commission to provide this service under the rate, charges, terms, and conditions established by the commission. The granting of the application would not necessarily prohibit an individual from providing service to themselves from individually owned facilities on their property. The application is available for inspection during regular business hours at the offices of the Arizona Corporation Commission, 1200 W. Washington Street, Phoenix, Arizona 85007 and at Woodruff Water Company, 2555 E. Camelback Road, Suite 700, Phoenix, Arizona 85016.

The Arizona Corporation Commission will hold a hearing on this matter. As a property owner, you may have the right to intervene in the proceeding. If you do not wish to intervene, you may appear at the hearing and make a statement on your own behalf. You may contact the commission at the address and telephone number listed below for the date and time of the hearing and for more information on intervention. You may not receive any further notice of the proceeding unless requested by you.

If you have any questions or concerns about this application, have any objections to its approval, or wish to make a statement in support of it, you may contact the consumer services section of the Arizona Corporation Commission at 1200 W. Washington Street, Phoenix, Arizona, 85007, or call 1-800-222-7000.

Sincerely,

Karl Polen
Vice President

F

ATTACHMENT – F

Certificate of Good Standing

STATE OF ARIZONA

Office of the
CORPORATION COMMISSION

CERTIFICATE OF GOOD STANDING

To all to whom these presents shall come, greeting:

I, Brian C. McNeil, Executive Secretary of the Arizona Corporation Commission, do hereby certify that

WOODRUFF WATER COMPANY

a domestic corporation organized under the laws of the State of Arizona, did incorporate on March 31, 2004.

I further certify that according to the records of the Arizona Corporation Commission, as of the date set forth hereunder, the said corporation is not administratively dissolved for failure to comply with the provisions of the Arizona Business Corporation Act; that its most recent Annual Report, subject to the provisions of A.R.S. sections 10-122, 10-123, 10-125 & 10-1622, has been delivered to the Arizona Corporation Commission for filing; and that the said corporation has not filed Articles of Dissolution as of the date of this certificate.

This certificate relates only to the legal existance of the above named entity as of the date issued. This certificate is not to be construed as an endorsement, recommendation, or notice of approval of the entity's condition or business activities and practices.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of the Arizona Corporation Commission. Done at Phoenix, the Capital, this 19th Day of May, 2004, A. D.

SEAL OF THE ARIZONA CORPORATION COMMISSION
DITAT DEUS
1912

Executive Secretary

By Pam Bedard

G

ATTACHMENT – G

Articles of Incorporation

AZ. CORP. COMMISSION
FILED

MAR 31 2004

APPR. Anna Pacheco
TERM
DATE 3-31-04
-1125537-5

EXPEDITED

ARTICLES OF INCORPORATION

OF

WOODRUFF WATER COMPANY

ARTICLE I - NAME

The name of the corporation is Woodruff Water Company. ok H

ARTICLE II - PURPOSE

The purpose for which the corporation is organized is the transaction of any and all lawful business for which corporations may be incorporated under the laws of the State of Arizona as they may be amended from time to time.

ARTICLE III - INITIAL BUSINESS

The corporation initially intends to engage in the business of providing water services.

ARTICLE IV - PLACE OF BUSINESS

The initial place of business of the corporation is 2555 East Camelback Road, Suite 700, Phoenix, Arizona 85016.

ARTICLE V - AUTHORIZED CAPITAL

The corporation shall have authority to issue 100,000 shares of common stock, each share having a par value of one cent ($.01).

ARTICLE VI - STATUTORY AGENT

The name and address of the initial statutory agent of the corporation is David L. Lansky, Esq., Mariscal, Weeks, McIntyre & Friedlander, P.A., 2901 North Central Avenue, Suite 200, Phoenix, Arizona, 85012.

ARTICLE VII - BOARD OF DIRECTORS

The initial Board of Directors shall consist of one (1) director, but the number of persons to serve on the Board of Directors thereafter shall be fixed by the Bylaws of the corporation. The persons who is to serve as director until the first annual meeting of the shareholders or until his successors are elected and qualified, is:

Karl Polen	2555 East Camelback Road Suite 700 Phoenix, Arizona 85016

ARTICLE VIII - INCORPORATOR

The incorporator of the corporation is:

Karl Polen	2555 East Camelback Road Suite 700 Phoenix, Arizona 85016

All powers, duties and responsibilities of the incorporator shall cease at the time of delivery of these Articles of Incorporation to the Arizona Corporation Commission for filing or immediately following adoption of the initial Bylaws of the corporation.

ARTICLE IX - DISTRIBUTIONS FROM CAPITAL SURPLUS

The Board of Directors of the corporation may, from time to time, distribute on a pro rata basis to its shareholders out of the capital surplus of the corporation a portion of its assets in cash or property.

ARTICLE X - REPURCHASE OF SHARES

The Board of Directors of the corporation may, from time to time, cause the corporation to purchase its own shares to the extent of the unreserved and unrestricted earned and capital surplus of the corporation.

ARTICLE XI - INDEMNIFICATION

The present and former officers and directors of the corporation may be indemnified against, if the Board of Directors shall so resolve, and they shall not be liable to third parties for, any or all claims made against them in such capacity and present or former directors of the corporation shall not be liable to the corporation or its shareholders for monetary damages for breach of fiduciary duty, all to the greatest extent permitted by law. If subsequent legislation

permits the corporation to indemnify, exculpate or limit the liability of its present and former officers and directors to a greater extent than is currently permitted under existing law, then the corporation shall indemnify, exculpate and limit the liability of its present and former officers and directors to the extent permitted by such subsequent legislation. The power of indemnification, the right of exculpation and the limitation of liability set forth above under the Arizona Revised Statutes shall not be denied or limited by the Bylaws.

ARTICLE XII - EXCULPATION

To the fullest extent permitted by Title 10 of the Arizona Revised Statutes as the same exists or may hereafter be amended, no director shall be liable to this Corporation or its stockholders for monetary damages for breach of fiduciary duty as a director.

No repeal or modification of the foregoing paragraph by the stockholders of this Corporation shall adversely affect any right or protection of a director existing at the time of such repeal or modification.

IN WITNESS WHEREOF, I have signed these Articles of Incorporation this 19th day of March, 2003.

"INCORPORATOR"

Karl Polen

APPOINTMENT OF STATUTORY AGENT

1. The undersigned has been named as the statutory agent in the Articles of Incorporation of Woodruff Water Company (the "Corporation"), which has been delivered for filing with the Arizona Corporation Commission.

2. The undersigned has been notified of its appointment as agent of the Corporation and hereby accepts its appointment as statutory agent of the Corporation.

David L. Lansky, Esq.

F:\USERS\Nias\Private\Woodruff\Arts of Inc - Water.doc

ARIZONA CORPORATION COMMISSION
CORPORATIONS DIVISION

Phoenix Address: 1300 West Washington
Phoenix, Arizona 85007-2929

Tucson Address: 400 West Congress
Tucson, Arizona 85701-1347

PROFIT
CERTIFICATE OF DISCLOSURE
A.R.S. §10-202.D

WOODRUFF WATER COMPANY
EXACT CORPORATE NAME

A. Has any person serving either by election or appointment as officer, director, trustee, incorporator and persons controlling or holding over 10% of the issued and outstanding common shares or 10% of any other proprietary, beneficial or membership interest in the corporation:

1. Been convicted of a felony involving a transaction in securities, consumer fraud or antitrust in any state or federal jurisdiction within the seven-year period immediately preceding the execution of this Certificate?
2. Been convicted of a felony, the essential elements of which consisted of fraud, misrepresentation, theft by false pretenses, or restraint of trade or monopoly in any state or federal jurisdiction within the seven-year period immediately preceding the execution of this Certificate?
3. Been or are subject to an injunction, judgment, decree or permanent order of any state or federal court entered within the seven-year period immediately preceding the execution of this Certificate wherein such injunction, judgment, decree or permanent order:
   (a) Involved the violation of fraud or registration provisions of the securities laws of that jurisdiction?; or
   (b) Involved the violation of the consumer fraud laws of that jurisdiction?; or
   (c) Involved the violation of the antitrust or restraint of trade laws of that jurisdiction?

Yes____ No X

B. IF YES, the following information MUST be attached:

1. Full name, prior name(s) and aliases, if used.
2. Full birth name.
3. Present home address.
4. Prior addresses (for immediate preceding 7-year period).
5. Date and location of birth.
6. Social Security number.
7. The nature and description of each conviction or judicial action, date and location, the court and public agency involved and file or cause number of case.

C. Has any person serving as an officer, director, trustee or incorporator of the corporation served in any such capacity or held or controlled over 20% of the issued and outstanding common shares, or 20% of any other proprietary, beneficial or membership interest in any corporation which has been placed in bankruptcy, receivership or had its charter revoked, or administratively or judicially dissolved by any state or jurisdiction?

Yes____ No X

IF YOUR ANSWER TO THE ABOVE QUESTION IS "YES", YOU MUST ATTACH THE FOLLOWING INFORMATION FOR EACH CORPORATION:

1. Name and address of the corporation.
2. Full name (including aliases) and address of each person involved.
3. State(s) in which the corporation:
   (a) Was incorporated. (b) Has transacted business
4. Dates of corporate operation.
5. Date and case number of Bankruptcy or date of revocation/administrative dissolution.

D. The fiscal year end adopted by the corporation is _____.

Under penalties of law, the undersigned incorporator(s)/officer(s) declare(s) that I(we) have examined this Certificate, including any attachments, and to the best of my(our) knowledge and belief it is true, correct and complete, and hereby declare as indicated above. THE SIGNATURE(S) MUST BE DATED WITHIN THIRTY (30) DAYS OF THE DELIVERY DATE.

BY_____ BY [signature]

PRINT NAME_____ PRINT NAME Karl Polen

TITLE_____ DATE_____ TITLE Incorporator DATE 3/30/04

DOMESTIC CORPORATIONS: ALL INCORPORATORS MUST SIGN THE INITIAL CERTIFICATE OF DISCLOSURE. If within sixty days, any person becomes an officer, director, trustee or person controlling or holding over 10% of the issued and outstanding shares or 10% of any other proprietary, beneficial, or membership interest in the corporation and the person was not included in this disclosure, the corporation must file an AMENDED certificate signed by at least one duly authorized officer of the corporation.

FOREIGN CORPORATIONS: MUST BE SIGNED BY AT LEAST ONE DULY AUTHORIZED OFFICER OF THE CORPORATION

CF: 0022 - Business Corporations
Rev: 3/00

H

ATTACHMENT – H

By-Laws
To Be Late Filed in July 2004

I

ATTACHMENT – I

Water Franchise

Woodruff Water Company
2555 E. Camelback Road, Suite 700
Phoenix, AZ 85016

June 15, 2004

Richard / Sock
Check Request
$200.00 Pinal County
[Cost code 5.0] ASAP.
Russ 6/8/04.

Pinal County
Special Services
Mr. Gary Medina
31 N. Pinal Street, Building A
Florence, AZ 85232

RE: Water Franchise

Dear Mr. Medina:

Woodruff Utility Company seeks a water franchise for an area located in Pinal County for the purpose of constructing, operating, and maintaining water lines and associated facilities in the area and along public streets, alleys, and highways.

The area that Woodruff Water Company seeks a water franchise is Township 5 South, Range 7 East, all of Section 14 except a portion of the Northeast corner, all of Section 13 except portions of the North half, a portion of the North half of Section 23, all of Section 24 except a portion of the West half, all of Section 25, except a portion of the West half. Please see the attached legal description and Exhibits for a detailed description of the area.

A check in the amount of $200 is enclosed for the application fee. Please issue a water franchise to the Woodruff Water Company and send it to my attention at the address above. Please call Russ Shasky at (602) 956-7200 if you have any questions or need anything else to support this request.

Sincerely,

Karl Polen
Vice President

Cc:

Pinal County Board of Supervisors
ATTN: Jimmie B. Kerr
P.O. Box 827
Florence, Arizona 85232

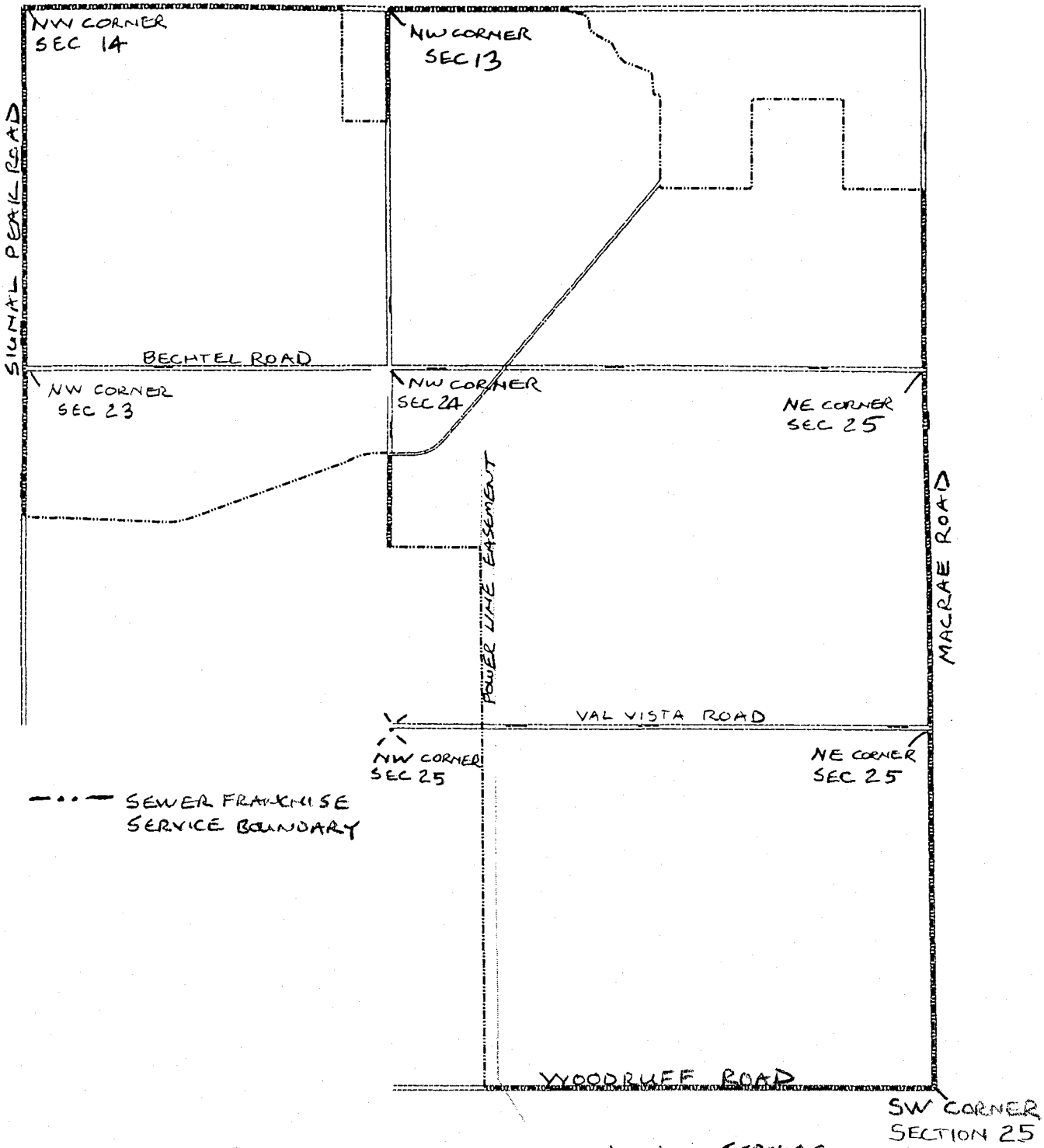
Robert F. Flatley, City Manager
City of Coolidge
130 W. Central Avenue
Coolidge, AZ 85228

Enclosures

ATTACHMENT "A"

PINAL COUNTY
WEST OF COOLIDGE

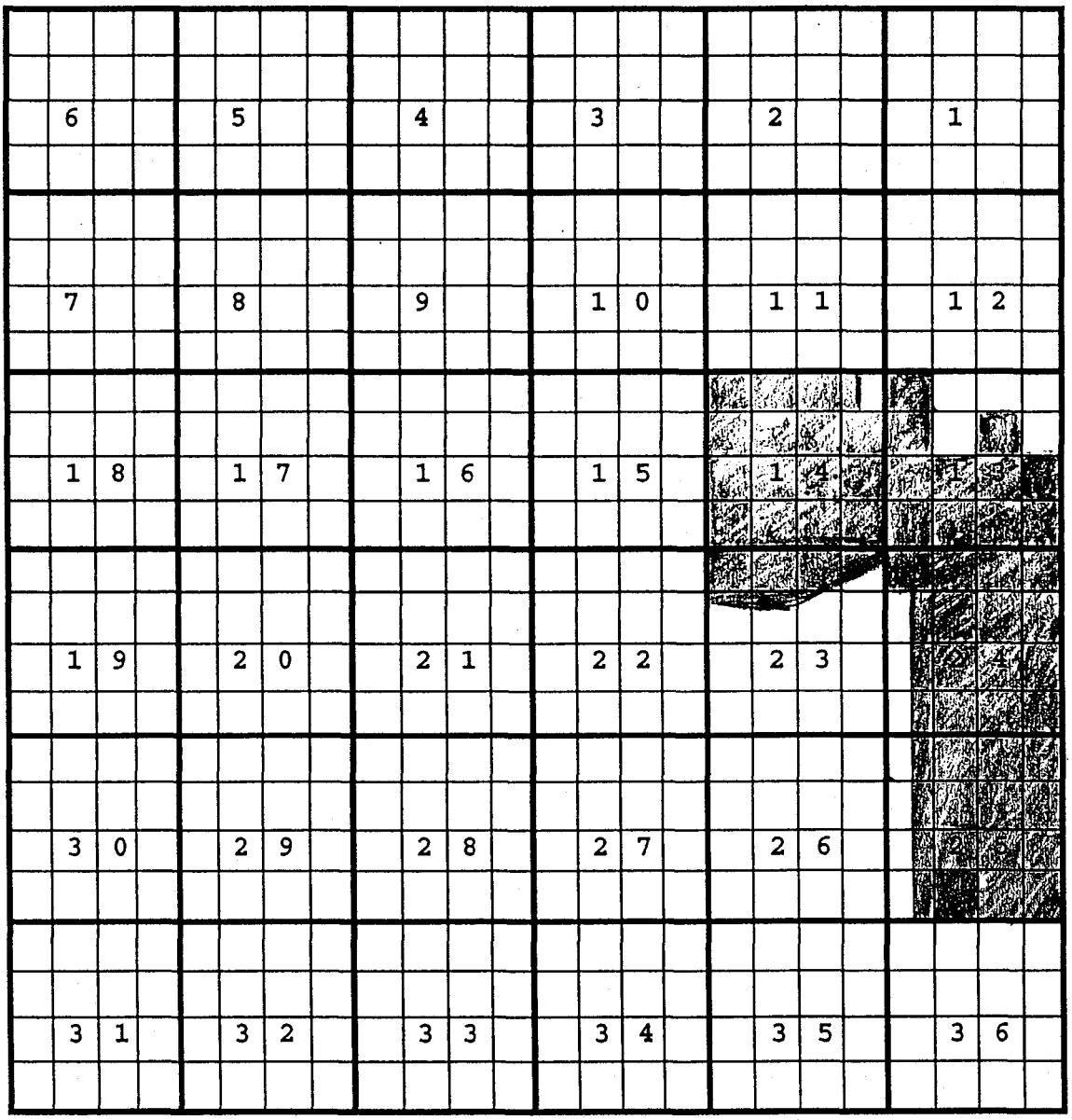
SECTIONS 13, 14, 23, 24, 25
TOWNSHIP 5 SOUTH
RANGE 7 EAST



WOODRUFF WATER COMPANY - Water SERVICE FRANCHISE AREA

ATTACHMENT "B"

COUNTY	SECTION	TOWNSHIP	RANGE
Pinal County West of Coolidge	Sections 13, 14, 23, 24, 25	Township 5 South	Range 7 East

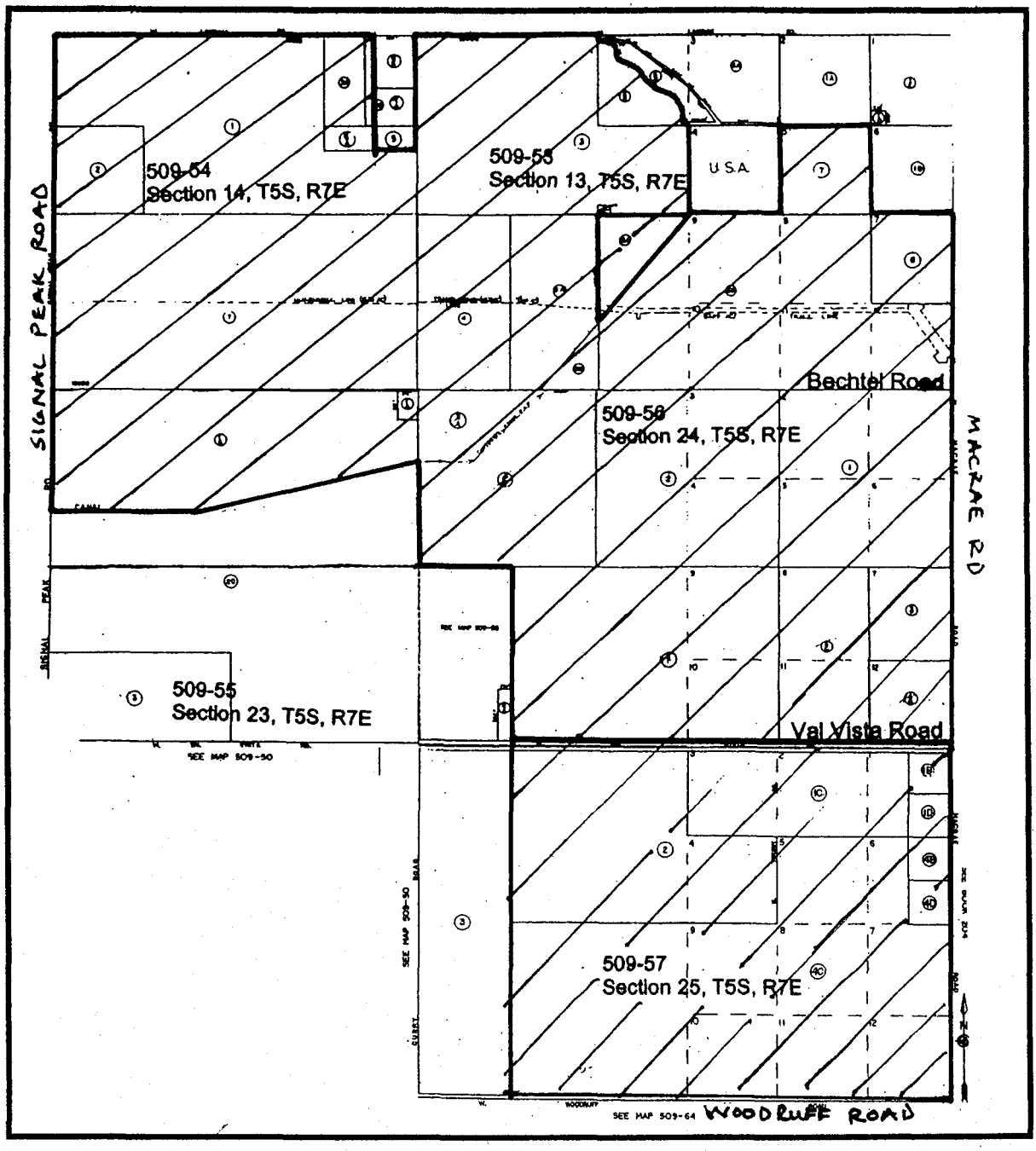


Type or Print Description Here:

Woodruff Water Company - Water Service Franchise Area -

ATTACHMENT
C

WOODRUFF UTILITY CO.



J

ATTACHMENT – J

Approval to Construct
To Be Late Filed

K

ATTACHMENT – K

Property Taxes

Woodruff Water Company
Schedule for the Computation of Projected
Property Taxes for the Years Ended

ATTACHMENT-K

Exhibit
Schedule 2b
Page 1
Witness: Kozoman

Line No.		Year 1	Year 2	Year 3	Year 4	Year 5
1						
2						
3	Revenue Component 1	$ 102,600	$ 102,600	$ 102,600	$ 378,440	$ 733,145
4	Revenue Component 2	102,600	102,600	378,440	733,145	1,087,729
5	Revenue Component 3	102,600	378,440	733,145	1,087,729	1,433,609
6						
7	Average 3 years of revenue	$ 102,600	$ 194,547	$ 404,728	$ 733,105	$ 1,084,828
8	Add:					
9	Construction Work in Progress at 10%	0	0	0	0	0
10	Deduct:					
11	Book Value of Transportation Equipment	13,500	10,500	4,500	4,500	1,500
12						
13	Full Cash Value	$ 89,100	$ 184,047	$ 400,228	$ 728,605	$ 1,083,328
14						
15						
16	Times Assessment Ratio	25.00%	25.00%	25.00%	25.00%	25.00%
17						
18	Assessed Value	$ 22,275	$ 46,012	$ 100,057	$ 182,151	$ 270,832
19						
20	Property Tax Rate (Statewide Rate Used)	12.18%	12.18%	12.18%	12.18%	12.18%
21						
22	**Computed Property Tax**	$ 2,713	$ 5,604	$ 12,187	$ 22,186	$ 32,987
23						
24						
25						
26						

Woodruff Water Company
Plant Additions List by Year
Plant Addition Summary Page

Exhibit
Schedule 1.1
Summary Page
Witness: Kozoman

Line No.			Year 1	Year 2	Year 3	Year 4	Year 5
1	301	Organization	25,000	-	-	-	-
2	302	Franchises	-	-	-	-	-
3	303	Land and Land Rights	-	-	-	-	-
4	304	Structures and Improvements	-	-	-	-	-
5	305	Collecting and Impounding Rese	-	-	-	-	-
6	306	Lake, River and Other Intakes	-	-	-	-	-
7	307	Wells and Springs	959,900	1,089,500	-	-	-
8	308	Infiltration Galleries and Tun	-	-	-	-	-
9	309	Supply Mains	-	-	-	-	-
10	310	Power Generation Equipment	30,000	-	-	-	-
11	311	Pumping Equipment	1,980,000	-	-	-	-
12	320	Water Treatment Equipment	1,000,000	-	-	-	-
13	330	Distribution Reservoirs and St	-	-	-	-	-
14	331	Transmission and Distribution	-	-	-	-	-
15	331	Transmission and Distribution (AIAC)	1,306,900	-	-	520,900	455,725
16	333	Services	-	-	-	-	-
17	334	Meters and Meter Installations	120,000	242,000	243,700	242,000	242,000
18	335	Hydrants	-	-	-	-	-
19	335	Hydrants (AIAC)	-	-	-	-	-
20	336	Backflow Prevention Devices	-	-	-	-	-
21	339	Other Plant and Miscellaneous	-	-	-	-	-
22	340	Office Furniture and Equipment	30,000	5,000	5,000	5,000	5,000
23	341	Transportation Equipment	15,000	-	-	-	-
24	342	Stores Equipment	10,000	5,000	5,000	5,000	5,000
25	343	Tools, Shop and Garage Equipme	-	-	-	-	-
26	344	Laboratory Equipment	-	-	-	-	-
27	345	Power Operated Equipment	-	-	-	-	-
28	346	Communication Equipment	-	-	-	-	-
29	347	Miscellaneous Equipment	-	-	-	-	-
30	348	Other Tangible Plant	-	-	-	-	-
31	398	Other Tangible Plant	-	-	-	-	-
32		Totals	5,476,800	1,341,500	253,700	772,900	707,725
33							
34							
35							

Woodruff Water Company
Plant
Projected Years

Exhibit
Schedule 1a
Page 1
Witness: Kozoman

With Treatment Plant Depreciation computed on Percent of Capacity

Line No.	Account	Description	CIAC Spread	Depreciation Rate	Estimate	Engineering Permits, Etc.	Year 1 Gross Amt	Year 1 Additions	Year 1 Depreciation*	Year 1 Balance	Year 1 A/D Balance
5	301	Organization		0.00%	$ 25,000		$ 25,000	$ 25,000	$ -	$ 25,000	$ -
6	302	Franchises		0.00%			-	-	-	-	-
7	303	Land and Land Rights		0.00%			-	-	-	-	-
8	304	Structures and Improvements		3.33%			-	-	-	-	-
9	305	Collecting and Impounding Rese		2.50%			-	-	-	-	-
10	306	Lake, River and Other Intakes		2.50%			-	-	-	-	-
11	307	Wells and Springs		3.33%	959,900		959,900	959,900	15,982	959,900	15,982
12	308	Infiltration Galleries and Tun		6.67%			-	-	-	-	-
13	309	Supply Mains		2.00%			-	-	-	-	-
14	310	Power Generation Equipment		5.00%	30,000		30,000	30,000	750	30,000	750
15	311	Pumping Equipment		12.50%	1,980,000		1,980,000	1,980,000	123,750	1,980,000	123,750
16	320	Water Treatment Equipment		3.33%	1,000,000		1,000,000	1,000,000	16,650	1,000,000	16,650
17	330	Distribution Reservoirs and St		2.22%			-	-	-	-	-
18	331	Transmission and Distribution (AIAC)		2.00%			-	-	-	-	-
19	331	Transmission and Distribution		2.00%	1,306,900		1,306,900	1,306,900	13,069	1,306,900	13,069
20	333	Services		3.33%			-	-	-	-	-
21	334	Meters and Meter Installations		8.33%	120,000		120,000	120,000	4,998	120,000	4,998
22	335	Hydrants	100%	2.00%			-	-	-	-	-
23	335	Hydrants (AIAC)	0%	2.00%			-	-	-	-	-
24	336	Backflow Prevention Devices		6.67%			-	-	-	-	-
25	339	Other Plant and Miscellaneous		6.67%			-	-	-	-	-
26	340	Office Furniture and Equipment		6.67%	30,000		30,000	30,000	1,001	30,000	1,001
27	341	Transportation Equipment		20.00%	15,000		15,000	15,000	1,500	15,000	1,500
28	342	Stores Equipment		4.00%	10,000		10,000	10,000	200	10,000	200
29	343	Tools, Shop and Garage Equipme		5.00%			-	-	-	-	-
30	344	Laboratory Equipment		10.00%			-	-	-	-	-
31	345	Power Operated Equipment		5.00%			-	-	-	-	-
32	346	Communication Equipment		10.00%			-	-	-	-	-
33	347	Miscellaneous Equipment		10.00%			-	-	-	-	-
34	348	Other Tangible Plant		10.00%			-	-	-	-	-
35	398	Other Tangible Plant		10.00%		-	-	-	-	-	-
36							-	-	-	-	-
40		Totals			$ 5,476,800	$ -	$ 5,476,800	$ 5,476,800	$ 177,900	$ 5,476,800	$ 177,900
					5,466,800						
42		Composite Rate with 1/2 yr convention							3.25%		

45	Licenses, Taxes, Permits	$ -
46	Engineering and Contingency	-
47	Total	$ -

49	*Capacity Adjustment to Depreciation Expense -		
50	(Requires an Accounting Order)	300	
51	Customer connections	2,721	
52	Capacity (in customer connections)	0.1103	0.0000
53	Capacity Factor		

Woodruff Water Company
Plant
Projected Years

Exhibit
Schedule 1a
Page 2
Witness: Kozoman

With Treatment Plant Depreciation computed on Percent of Capacity

Line No.	Account	Description	CIAC Spread	Depreciation Rate	Year 2 Estimate	Engineering Permits, Etc.	Gross Amt	Additions	Depreciation*	Balance	A/D Balance
5	301	Organization		0.00%			$ -	$ -	$ -	$ 25,000	$ -
6	302	Franchises		0.00%			-	-	-	-	-
7	303	Land and Land Rights		0.00%			-	-	-	-	-
8	304	Structures and Improvements		3.33%			-	-	-	-	-
9	305	Collecting and Impounding Rese		2.50%			-	-	-	-	-
10	306	Lake, River and Other Intakes		2.50%			-	-	-	-	-
11	307	Wells and Springs		3.33%	1,089,500		1,089,500	1,089,500	50,105	2,049,400	66,087
12	308	Infiltration Galleries and Tun		6.67%			-	-	-	-	-
13	309	Supply Mains		2.00%			-	-	-	-	-
14	310	Power Generation Equipment		5.00%				-	1,500	30,000	2,250
15	311	Pumping Equipment		12.50%			-	-	247,500	1,980,000	371,250
16	320	Water Treatment Equipment		3.33%			-	-	33,300	1,000,000	49,950
17	330	Distribution Reservoirs and St		2.22%			-	-	-	-	-
18	331	Transmission and Distribution (AIAC)		2.00%			-	-	-	-	-
19	331	Transmission and Distribution		2.00%			-	-	26,138	1,306,900	39,207
20	333	Services		3.33%			-	-	-	-	-
21	334	Meters and Meter Installations		8.33%	242,000		242,000	242,000	20,075	362,000	25,073
22	335	Hydrants	100%	2.00%			-	-	-	-	-
23	335	Hydrants (AIAC)	0%	2.00%			-	-	-	-	-
24	336	Backflow Prevention Devices		6.67%			-	-	-	-	-
25	339	Other Plant and Miscellaneous		6.67%			-	-	-	-	-
26	340	Office Furniture and Equipment		6.67%	5,000		5,000	5,000	2,168	35,000	3,168
27	341	Transportation Equipment		20.00%			-	-	3,000	15,000	4,500
28	342	Stores Equipment		4.00%	5,000		5,000	5,000	500	15,000	700
29	343	Tools, Shop and Garage Equipme		5.00%			-	-	-	-	-
30	344	Laboratory Equipment		10.00%			-	-	-	-	-
31	345	Power Operated Equipment		5.00%			-	-	-	-	-
32	346	Communication Equipment		10.00%			-	-	-	-	-
33	347	Miscellaneous Equipment		10.00%			-	-	-	-	-
34	348	Other Tangible Plant		10.00%			-	-	-	-	-
35	398	Other Tangible Plant		10.00%			-	-	-	-	-
40		Totals			$ 1,341,500	$ -	$ 1,341,500	$ 1,341,500	$ 384,286	$ 6,818,300	$ 562,186
42		Composite Rate with 1/2 yr convention							5.64%		

45	Licenses, Taxes, Permits	$ -
46	Engineering and Contingency	-
47	Total	$ -

49	*Capacity Adjustment to Depreciation Expense -	
50	(Requires an Accounting Order)	905
51	Customer connections	2,721
52	Capacity (in customer connections)	0.3326
53	Capacity Factor	

Woodruff Water Company
Plant
Projected Years

Exhibit
Schedule 1a
Page 3
Witness: Kozoman

With Treatment Plant Depreciation computed on Percent of Capacity

Line No.	Account	Description	CIAC Spread	Depreciation Rate	Estimate	Engineering Permits, Etc.	Year 3 Gross Amt	Year 3 Additions	Year 3 Depreciation*	Year 3 Balance	Year 3 A/D Balance
5	301	Organization		0.00%			$ -	$ -	$ -	$ 25,000	$ -
6	302	Franchises		0.00%			-	-	-	-	-
7	303	Land and Land Rights		0.00%			-	-	-	-	-
8	304	*Structures and Improvements*		3.33%			-	-	-	-	-
9	305	Collecting and Impounding Rese		2.50%			-	-	-	-	-
10	306	Lake, River and Other Intakes		2.50%			-	-	-	-	-
11	307	Wells and Springs		3.33%			-	-	68,245	2,049,400	134,332
12	308	Infiltration Galleries and Tun		6.67%			-	-	-	-	-
13	309	Supply Mains		2.00%			-	-	-	-	-
14	310	Power Generation Equipment		5.00%				-	1,500	30,000	3,750
15	311	Pumping Equipment		12.50%			-	-	247,500	1,980,000	618,750
16	320	Water Treatment Equipment		3.33%			-	-	33,300	1,000,000	83,250
17	330	Distribution Reservoirs and St		2.22%			-	-	-	-	-
18	331	Transmission and Distribution (AIAC)		2.00%			-	-	-	-	-
19	331	Transmission and Distribution		2.00%			-	-	26,138	1,306,900	65,345
20	333	Services		3.33%			-	-	-	-	-
21	334	Meters and Meter Installations		8.33%	243,700		243,700	243,700	40,305	605,700	65,378
22	335	Hydrants	100%	2.00%			-	-	-	-	-
23	335	Hydrants (AIAC)	0%	2.00%			-	-	-	-	-
24	336	Backflow Prevention Devices		6.67%			-	-	-	-	-
25	339	Other Plant and Miscellaneous		6.67%			-	-	-	-	-
26	340	Office Furniture and Equipment		6.67%	5,000		5,000	5,000	2,501	40,000	5,670
27	341	Transportation Equipment		20.00%			-	-	3,000	15,000	7,500
28	342	Stores Equipment		4.00%	5,000		5,000	5,000	700	20,000	1,400
29	343	Tools, Shop and Garage Equipme		5.00%			-	-	-	-	-
30	344	Laboratory Equipment		10.00%			-	-	-	-	-
31	345	*Power Operated Equipment*		5.00%			-	-	-	-	-
32	346	Communication Equipment		10.00%			-	-	-	-	-
33	347	Miscellaneous Equipment		10.00%			-	-	-	-	-
34	348	Other Tangible Plant		10.00%			-	-	-	-	-
35	398	Other Tangible Plant		10.00%			-	-	-	-	-
36							-	-	-	-	-
40		Totals			$ 253,700	$ -	$ 253,700	$ 253,700	$ 423,189	$ 7,072,000	$ 985,375
42		Composite Rate with 1/2 yr convention							5.98%		

45	Licenses, Taxes, Permits	$ -
46	Engineering and Contingency	-
47	Total	$ -

49	*Capacity Adjustment to Depreciation Expense -	
50	(Requires an Accounting Order)	1,511
51	Customer connections	2,721
52	Capacity (in customer connections)	0.5553
53	Capacity Factor	

Exhibit
Schedule 1a
Page 4
Witness: Kozoman

Woodruff Water Company
Plant
Projected Years

Line No.	Account	Description	CIAC Spread	Depreciation Rate	Year 4 Estimate	Engineering Permits, Etc.	Gross Amt	Additions	Depreciation*	Balance	A/D Balance
1											
2		With Treatment Plant Depreciation computed on Percent of Capacity									
5	301	Organization		0.00%			$ -	$ -	$ -	$ 25,000	$ -
6	302	Franchises		0.00%			-	-	-	-	-
7	303	Land and Land Rights		0.00%			-	-	-	-	-
8	304	Structures and Improvements		3.33%			-	-	-	-	-
9	305	Collecting and Impounding Rese		2.50%			-	-	-	-	-
10	306	Lake, River and Other Intakes		2.50%			-	-	-	-	-
11	307	Wells and Springs		3.33%			-	-	68,245	2,049,400	202,577
12	308	Infiltration Galleries and Tun		6.67%			-	-	-	-	-
13	309	Supply Mains		2.00%			-	-	-	-	-
14	310	Power Generation Equipment		5.00%				-	1,500	30,000	5,250
15	311	Pumping Equipment		12.50%			-	-	247,500	1,980,000	866,250
16	320	Water Treatment Equipment		3.33%			-	-	33,300	1,000,000	116,550
17	330	Distribution Reservoirs and St		2.22%			-	-	-	-	-
18	331	Transmission and Distribution (AIAC)		2.00%			-	-	-	-	-
19	331	Transmission and Distribution		2.00%	520,900		520,900	520,900	31,347	1,827,800	96,692
20	333	Services		3.33%			-	-	-	-	-
21	334	Meters and Meter Installations		8.33%	242,000		242,000	242,000	60,534	847,700	125,912
22	335	Hydrants	100%	2.00%			-	-	-	-	-
23	335	Hydrants (AIAC)	0%	2.00%			-	-	-	-	-
24	336	Backflow Prevention Devices		6.67%			-	-	-	-	-
25	339	Other Plant and Miscellaneous		6.67%			-	-	-	-	-
26	340	Office Furniture and Equipment		6.67%	5,000		5,000	5,000	2,835	45,000	8,504
27	341	Transportation Equipment		20.00%			-	-	3,000	15,000	10,500
28	342	Stores Equipment		4.00%	5,000		5,000	5,000	900	25,000	2,300
29	343	Tools, Shop and Garage Equipme		5.00%			-	-	-	-	-
30	344	Laboratory Equipment		10.00%			-	-	-	-	-
31	345	Power Operated Equipment		5.00%			-	-	-	-	-
32	346	Communication Equipment		10.00%			-	-	-	-	-
33	347	Miscellaneous Equipment		10.00%			-	-	-	-	-
34	348	Other Tangible Plant		10.00%			-	-	-	-	-
35	398	Other Tangible Plant		10.00%			-	-	-	-	-
36											
37											
38											
39											
40		Totals			$ 772,900	$ -	$ 772,900	$ 772,900	$ 449,161	$ 7,844,900	$ 1,434,536
41											
42		Composite Rate with 1/2 yr convention							5.73%		
43											
44											
45		Licenses, Taxes, Permits				$ -					
46		Engineering and Contingency				-					
47		Total				$ -					
48											
49		*Capacity Adjustment to Depreciation Expense -									
50		(Requires an Accounting Order)					2,116				
51		Customer connections					2,721				
52		Capacity (in customer connections)					0.7777				
53		Capacity Factor									

Woodruff Water Company
Plant
Projected Years

Exhibit
Schedule 1a
Page 5
Witness: Kozoman

With Treatment Plant Depreciation computed on Percent of Capacity

Line No.	Account	Description	CIAC Spread	Depreciation Rate	Estimate	Engineering Permits, Etc.	Year 5 Gross Amt	Year 5 Additions	Year 5 Depreciation*	Year 5 Balance	Year 5 A/D Balance
5	301	Organization		0.00%			$ -	$ -	$ -	$ 25,000	$ -
6	302	Franchises		0.00%			-	-	-	-	-
7	303	Land and Land Rights		0.00%			-	-	-	-	-
8	304	Structures and Improvements		3.33%			-	-	-	-	-
9	305	Collecting and Impounding Rese		2.50%			-	-	-	-	-
10	306	Lake, River and Other Intakes		2.50%			-	-	-	-	-
11	307	Wells and Springs		3.33%			-	-	68,245	2,049,400	270,822
12	308	Infiltration Galleries and Tun		6.67%			-	-	-	-	-
13	309	Supply Mains		2.00%			-	-	-	-	-
14	310	Power Generation Equipment		5.00%				-	1,500	30,000	6,750
15	311	Pumping Equipment		12.50%			-	-	247,500	1,980,000	1,113,750
16	320	Water Treatment Equipment		3.33%			-	-	33,300	1,000,000	149,850
17	330	Distribution Reservoirs and St		2.22%			-	-	-	-	-
18	331	Transmission and Distribution (AIAC)		2.00%			-	-	-	-	-
19	331	Transmission and Distribution		2.00%	455,725		455,725	455,725	41,113	2,283,525	137,805
20	333	Services		3.33%			-	-	-	-	-
21	334	Meters and Meter Installations		8.33%	242,000		242,000	242,000	80,693	1,089,700	206,605
22	335	Hydrants	100%	2.00%			-	-	-	-	-
23	335	Hydrants (AIAC)	0%	2.00%			-	-	-	-	-
24	336	Backflow Prevention Devices		6.67%			-	-	-	-	-
25	339	Other Plant and Miscellaneous		6.67%			-	-	-	-	-
26	340	Office Furniture and Equipment		6.67%	5,000		5,000	5,000	3,168	50,000	11,673
27	341	Transportation Equipment		20.00%			-	-	3,000	15,000	13,500
28	342	Stores Equipment		4.00%	5,000		5,000	5,000	1,100	30,000	3,400
29	343	Tools, Shop and Garage Equipme		5.00%			-	-	-	-	-
30	344	Laboratory Equipment		10.00%			-	-	-	-	-
31	345	Power Operated Equipment		5.00%			-	-	-	-	-
32	346	Communication Equipment		10.00%			-	-	-	-	-
33	347	Miscellaneous Equipment		10.00%			-	-	-	-	-
34	348	Other Tangible Plant		10.00%			-	-	-	-	-
35	398	Other Tangible Plant		10.00%			-	-	-	-	-
36							-	-	-	-	-
40		Totals			$ 707,725	$ -	$ 707,725	$ 707,725	$ 479,619	$ 8,552,625	$ 1,914,155
42		Composite Rate with 1/2 yr convention							5.61%		
45		Licenses, Taxes, Permits				$ -					
46		Engineering and Contingency				-					
47		Total				$ -					

49 *Capacity Adjustment to Depreciation Expense -	
50 (Requires an Accounting Order)	2,721
51 Customer connections	2,721
52 Capacity (in customer connections)	1.0000
53 Capacity Factor	

L

ATTACHMENT – L

A Physical Water Availability Demonstration (P.A.D.) was submitted to the Arizona Department of Water Resources on May 10th, 2004; prepared by Stephen Noel, of Southwest Groundwater Resources. The report indicates the availability of water to serve up to 12,000 dwelling units.

An Analysis of Assured Water Supply is scheduled to be submitted to the Arizona Department of Water Resources by the end of June 2004.

Applications for Certificates of Assured Water Supply will be completed as subdivisions are engineered and final plats are approved. The first subdivisions, and Certificates of Assured Water Supply are expected to be approved between the 4th Quarter of 2005 and 1st Quarter of 2006.

Adequacy statements from the Arizona Department of Resources based on submittals of the Physical Water Availability Demonstration and Analysis of Assured Water Supply will be late filed. The anticipated date of the late filing is October 2005.

M

ATTACHMENT – M

Development Plan, April 2004

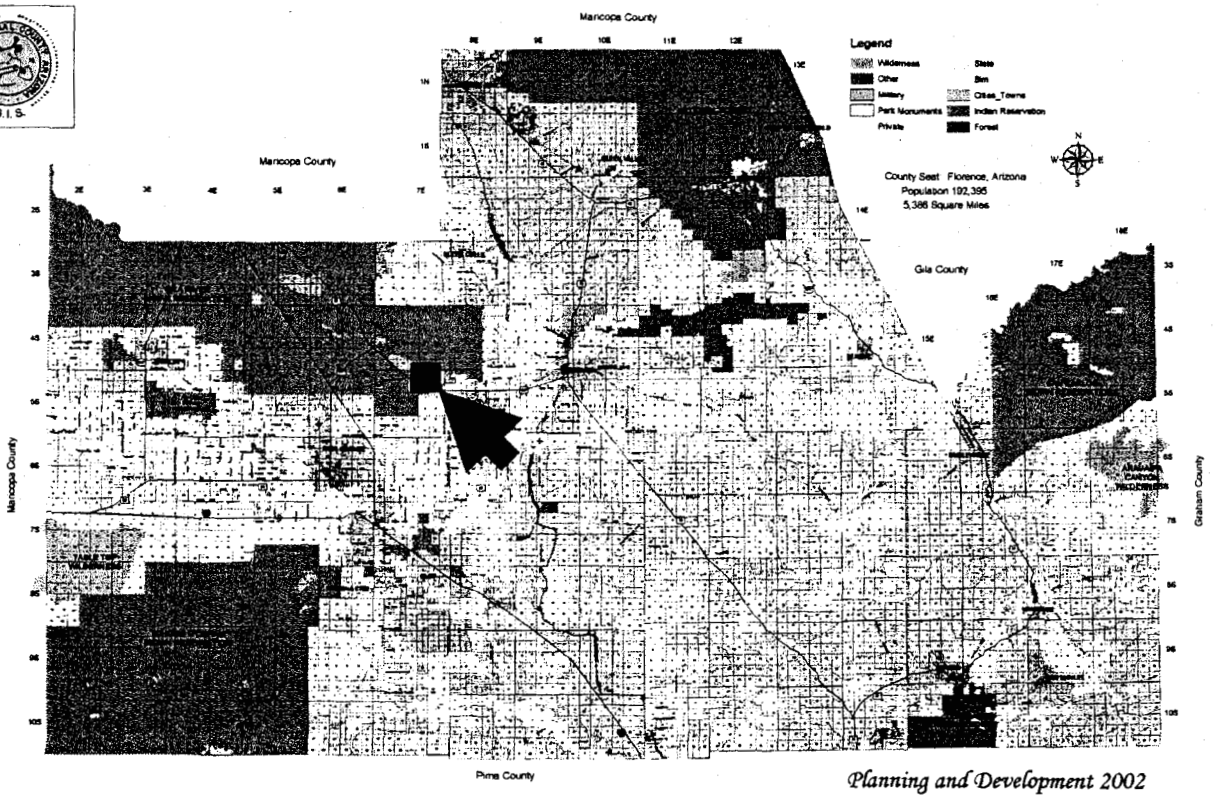
This document was submitted on April 20, 2004 with the Arizona Department of Water Resources - Application for Development Plan Approval to Retire an Irrigation Grandfathered Right for a Non-Irrigation (Type I) Use.

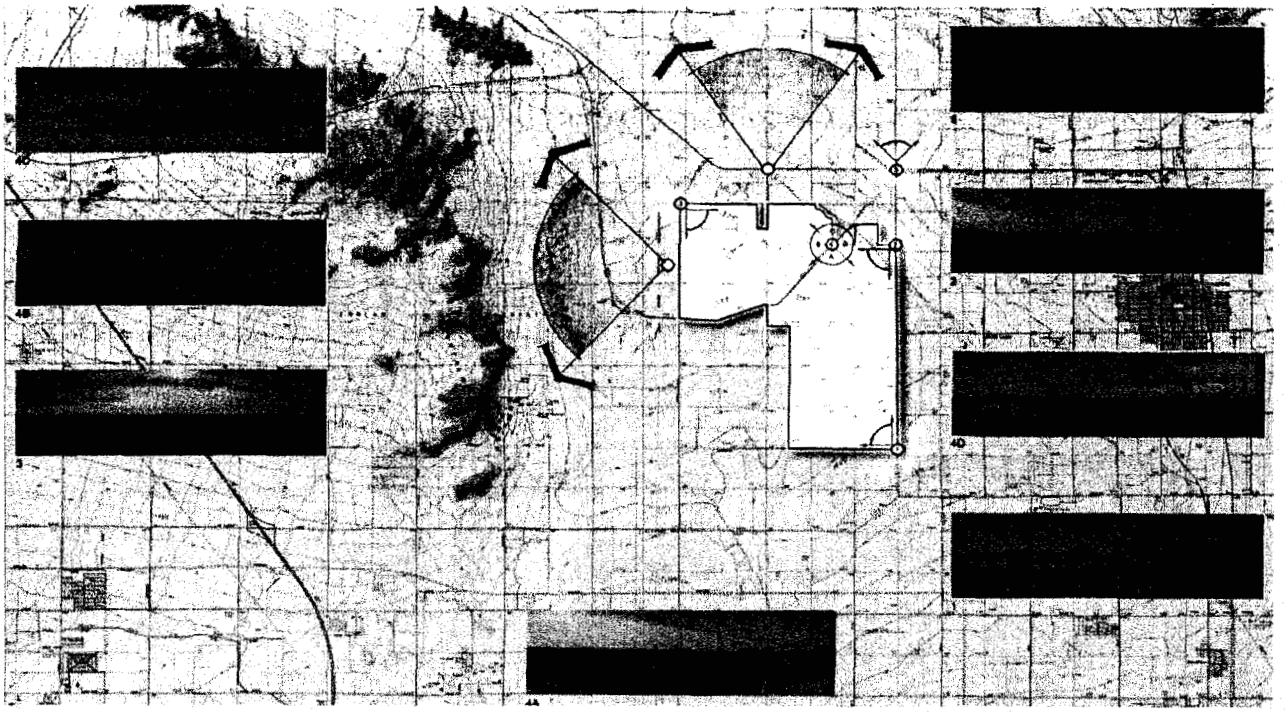
Development Plan

The project comprises 3,180 acres within the County of Pinal. The site is currently undeveloped farmland located at Signal Peak Road and Arizona Highway 87. The project will accommodate up to 12,000 dwelling units.

Property Location:	East side of Signal Peak Road, extending from Highway 87 to Woodruff Road. The property benefits from its proximity to Phoenix. Homes developed on the site will command relatively unimpeded commutes through Indian reservation land along Highway 87.
Property Description:	3,180 gross acre vacant site. No significant topographic or drainage features or other development constraints.
Zoning:	The site is currently within Pinal County. Pivotal Group will annex the site to the City of Coolidge.
Highest and Best Use:	Engineer and plat up to 12,000 dwelling units. Improve the necessary off-site infrastructure in order to sell superpads with pre-approved subdivision plats.
Projected Development Timeframe:	Up to 22 years. This assumes 2 years of project planning and initial infrastructure development followed by absorption of 600 lots per year up to a total of 12,000 lots. Actual development timeframe is dependent on final density and actual lot sales.

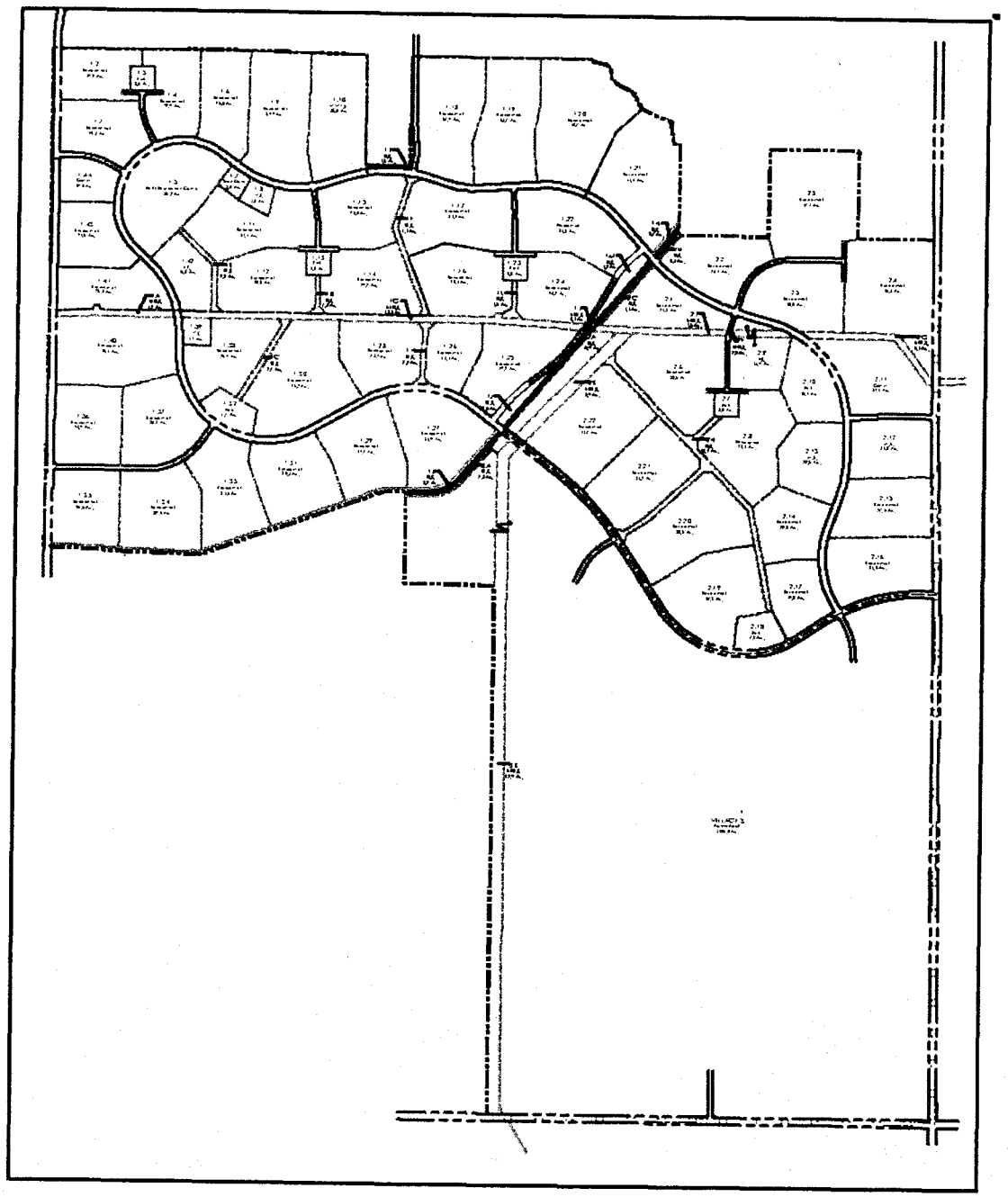
Property Description





Proposed Plan

Conceptual Land Use Design



SUNDANCE FARMS
PINAL COUNTY, ARIZONA
Preliminary Land Use Plan Study

Development Plan and Projections

For purposes of this Plan, we have conservatively projected up to 12,000 dwelling units on the project. Acreage devoted to various uses include 1,011.6 acres of residential, 1,185 acres of active adult, 44 acres for school, day care and worship purposes, 227.7 acres in park, open space and utility, 35 acres for a wastewater treatment plant, and 234.3 acres of commercial, mixed use, miscellaneous and right of way. These acreages and land uses may be revised as the project proceeds through the entitlement and development process.

Stabilized dwelling unit absorption is projected at six hundred (600) lots per year. Age-restricted communities in Maricopa County, absorb approximately 203 to 849 dwelling units per year. Non age-restricted communities in Pinal County sell 49 to 816 units per year. This Development will be built out over the next twenty years, depending on pace of home sales and final development densities.

Proposed water use

Retired water rights (Type 1) will initially be used for establishment of a service area right by Woodruff Water Company, which has applied for a certificate of convenience and necessity (CC&N) to serve the property. A portion of this initial right will serve several existing uses on the appurtenant land. Water may also be used for dust control and grading operations. Subsequent retirements will include (on a phased basis) additional land within the project area. Water use from these future retirements will include construction water (including dust control and grading) as well as for establishment of turf and low water use landscaping on community open space and rights-of way, consistent with management plan requirements. Use of water for these various categories may occur off of the appurtenant land, consistent with the Groundwater Code appurtenancy rules.

Woodruff Water Company
Index of Schedules
With Additonal Arsenic and Flouride Treatment Expense

WWC-1B

ACC Forms		Number of Page	Page Number	
	Revised	2 Pages	1 & 2	Balance Sheet, Attachment C
	Revised	1 Page	Unnumbered	Income Statement, Attachment CS-2
	Revised	5 Pages	1 thru 5	Plant Cost, Attachment CS-4
	Revised	1 Page	Unnumbered	Tariff Attachment D

EXHIBIT
tabbies
WWC-1B
Admitted

Schedules for Staff		Page(s)		
1	Revised	1	1	Balance Sheet
1.1	Revised	Summary	1.1	Summary of Plant Additions by Year
1a	Revised	5 Pages	1 thru 5	Plant and Depreciation, 5 Pages
1b	Revised	1 Page	1	Financing of Plant & Operating Losses
1c	Revised	1 Page	1	Advances and Refunds
1d	Revised	1 Page	1	Meter Deposits and Refunds (If Applicable)
1e	Revised	1 Page	1	Contributions in Aid of Construction (Not Used)
2	Revised	1 Page	1	Income Statement
2a	Revised	1 Page	1	Projected Revenues all customers
2a	Revised	1 Page	2	Customer Counts all customers
2a	Revised	1 Page	3	Gallons Treated or Sold, all customers
2a	Revised	1 Page	4	Projected Revenues, customers, gallons for 5/8 Inch residential class
2a	Revised	1 Page	5	Projected Revenues, customers, gallons for School
2a	Revised	1 Page	6	Projected Revenues, customers, gallons 5/8 Inch commercial class
2a	Revised	1 Page	7	Projected Revenues, customers, gallons 1 Inch commercial class
2a	Revised	1 Page	8	Projected Revenues, customers, gallons 2 Inch commercial class
2a	Revised	1 Page	9	Effluent, (If Applicable)
2b	Revised	1 Page	1	Property Taxes
2c	Revised	1 Page	1	**Additional Arsenci Treatment Expense**
3	Revised	1 Page	1	Projected Cash Flow
1	Revised	1 Page	1	Proposed Rates
1	Revised	1 Page	1	Service Charges

Exhibit No. WWC 1B

ATTACHMENT – C Revised

June 24, 2005

Proforma Balance Sheets Revised
Financial Information Revised
With Additional Arsenic & Fluoride Treatment Expense

Exhibit No. WWC 1B

ATTACHMENT C

WWC-1B
Page 1
Revised

PROFORMA BALANCE SHEET (WATER)

Woodruff Water Company
With Additonal Arsenic and Flouride Treatment Expense

	Year 1	Year 2	Year 3	Year 4	Year 5
ASSETS					
Current Assets					
Cash	$ 46,588	$ 150,558	$ 416,241	$ 842,044	$ 1,389,594
Accounts Receivable	0	0	0	0	0
Other	0	0	0	0	0
Total Current Assets	$ 46,588	$ 150,558	$ 416,241	$ 842,044	$ 1,389,594
Fixed Assets					
Utility Plant	$ 5,476,800	$ 6,818,300	$ 7,072,000	$ 7,844,900	$ 8,552,625
(Less) Accumulated Depreciation	(177,900)	(562,186)	(985,375)	(1,434,536)	(1,914,155)
Net Plant in Service	$ 5,298,900	$ 6,256,114	$ 6,086,625	$ 6,410,364	$ 6,638,470
Total Assets	$ 5,345,488	$ 6,406,673	$ 6,502,866	$ 7,252,409	$ 8,028,064
LIABILITIES AND CAPITAL					
Current and Accrued Liabilities					
Accounts Payable	0	0	0	0	0
Notes Payable	0	0	0	0	0
Accrued Taxes	0	0	0	0	0
Accrued Interest	0	0	0	0	0
Other	0	0	0	0	0
Total Current and Accred Liabilities	0	0	0	0	0

ATTACHMENT C

WWC-1B
Page 2
Revised

PROFORMA BALANCE SHEET (WATER)

Woodruff Water Company
With Additonal Arsenic and Flouride Treatment Expense

	Year 1	Year 2	Year 3	Year 4	Year 5
Long-Term Debt	0	0	0	0	0
Deferred Credits					
Advances in Aid of Construction	$ 1,426,900	$ 1,647,540	$ 1,819,011	$ 2,449,845	$ 2,921,254
Contribution in Aid of Construction, Net of Amortization					
Accumulated Deferred Income Tax	-	-	-	-	-
Total Deferred Credits	$ 1,426,900	$ 1,647,540	$ 1,819,011	$ 2,449,845	$ 2,921,254
CAPITAL ACCOUNT					
Common Stock	4,149,900	5,249,400	5,249,400	5,249,400	5,249,400
Preferred	0	0	0	0	0
Paid in Capital	0	0	0	0	0
Retained Earnings	(231,312)	(490,267)	(565,545)	(446,836)	(142,590)
Total Capital	$ 3,918,588	$ 4,759,133	$ 4,683,855	$ 4,802,564	$ 5,106,810
TOTAL LIABILITIES AND CAPITAL	$ 5,345,488	$ 6,406,673	$ 6,502,866	$ 7,252,409	$ 8,028,064

ATTACHMENT – C-2 Revised

June 24, 2005

Income Statement Revised

With Additional Arsenic & Fluoride Treatment Expense

Exhibit No. WWC 1B

CW-2

PROFORMA INCOME STATEMENT (WATER)

WWC-1B

Woodruff Water Company **Revised**

With Additonal Arsenic and Flouride Treatment Expense

	YR. ONE	YR. TWO	YR. THREE	YR. FOUR	YR. FIVE
REVENUE:					
Water Sales	$ 93,600	$ 360,290	$ 714,965	$ 1,069,579	$ 1,415,459
Establishment Charges	9,000	18,150	18,180	18,150	18,150
Other Operating Revenue					
Total Operating Revenue	$ 102,600	$ 378,440	$ 733,145	$ 1,087,729	$ 1,433,609
OPERATING EXPENSES					
Salaries and Wages	$ 68,500	$ 70,555	$ 72,672	$ 74,852	$ 77,097
Purchased Water					
Power Costs	8,100	32,811	67,264	101,717	134,938
Water Testing and Chemicals	7,500	13,525	19,555	25,580	31,605
Repairs and Maintenance	2,000	6,000	9,000	12,000	15,000
Office Supplies Expense	7,700	18,845	32,744	46,643	60,533
Outside Services	54,000	55,620	57,289	59,007	60,777
Rents	3,000	3,090	3,183	3,278	3,377
Transportation Expense	2,500	2,575	2,652	2,732	2,814
Taxes Other than Property and Income					
Depreciation	177,900	384,286	423,189	449,161	479,619
Health and Life Insurance					
Additonal Arsenic Treatment Charges	(16,200)	25,932	85,360	143,814	201,952
Flouride Removal	-	-	-	-	-
Income Taxes	50	50	50	50	50
Property Tax	5,837	11,528	24,511	44,509	66,020
Miscellaneous Operating	13,400	13,652	13,912	14,179	14,454
Total Operating Expense	$ 334,287	$ 638,469	$ 811,379	$ 977,522	$ 1,148,237
OPERATING INCOME OR (LOSS)	$ (231,687)	$ (260,029)	$ (78,235)	$ 110,207	$ 285,372
OTHER INCOME / EXPENSE					
Interest Income	375	1,074	2,957	8,502	18,874
Other Income					
Other Expenses					
Interest Expense					
TOTAL OTHER INCOME / EXPENSE	375	1,074	2,957	8,502	18,874
NET INCOME (LOSS)	$ (231,312)	$ (258,955)	$ (75,278)	$ 118,709	$ 304,246

ATTACHMENT – C-3 Revised

June 24, 2005

Itemized List of Major Plant Components

With Additional Arsenic & Fluoride Treatment Expense

Exhibit No. WWC 1B

CW-3
PROFORMA UTILITY PLANT IN SERVICE (WATER)
FIRST YEAR
Woodruff Water Company
With Additonal Arsenic and Flouride Treatment Expense

	ORIGINAL COST	ACCUM. DEPRC.	WWC-1B ORIG. COST LESS DEPREC.
Organization	$ 25,000	$ -	$ 25,000
Franchises	-	-	-
Land and Land Rights	-	-	-
Structures and Improvements	-	-	-
Collecting and Impounding Rese	-	-	-
Lake, River and Other Intakes	-	-	-
Wells and Springs	959,900	15,982	943,918
Infiltration Galleries and Tun	-	-	-
Supply Mains	-	-	-
Power Generation Equipment	30,000	750	29,250
Pumping Equipment	1,980,000	123,750	1,856,250
Water Treatment Equipment	1,000,000	16,650	983,350
Distribution Reservoirs and St	-	-	-
Transmission and Distribution	-	-	-
Transmission and Distribution (AIAC)	1,306,900	13,069	1,293,831
Services	-	-	-
Meters and Meter Installations	120,000	4,998	115,002
Hydrants	-	-	-
Hydrants (AIAC)	-	-	-
Backflow Prevention Devices	-	-	-
Other Plant and Miscellaneous	-	-	-
Office Furniture and Equipment	30,000	1,001	29,000
Transportation Equipment	15,000	1,500	13,500
Stores Equipment	10,000	200	9,800
Tools, Shop and Garage Equipme	-	-	-
Laboratory Equipment	-	-	-
Power Operated Equipment	-	-	-
Communication Equipment	-	-	-
Miscellaneous Equipment	-	-	-
Other Tangible Plant	-	-	-
Other Tangible Plant	-	-	-
TOTAL PLANT IN SERVICE	$ 5,476,800	$ 177,900	$ 5,298,900

CW-3
PROFORMA UTILITY PLANT IN SERVICE (WATER)
SECOND YEAR
Woodruff Water Company
With Additonal Arsenic and Flouride Treatment Expense

	ORIGINAL COST	ACCUM. DEPRC.	WWC-1B ORIG. COST LESS DEPREC.
Organization	$ 25,000	$ -	$ 25,000
Franchises	-	-	-
Land and Land Rights	-	-	-
Structures and Improvements	-	-	-
Collecting and Impounding Rese	-	-	-
Lake, River and Other Intakes	-	-	-
Wells and Springs	2,049,400	66,087	1,983,313
Infiltration Galleries and Tun	-	-	-
Supply Mains	-	-	-
Power Generation Equipment	30,000	2,250	27,750
Pumping Equipment	1,980,000	371,250	1,608,750
Water Treatment Equipment	1,000,000	49,950	950,050
Distribution Reservoirs and St	-	-	-
Transmission and Distribution	-	-	-
Transmission and Distribution (AIAC)	1,306,900	39,207	1,267,693
Services	-	-	-
Meters and Meter Installations	362,000	25,073	336,927
Hydrants	-	-	-
Hydrants (AIAC)	-	-	-
Backflow Prevention Devices	-	-	-
Other Plant and Miscellaneous	-	-	-
Office Furniture and Equipment	35,000	3,168	31,832
Transportation Equipment	15,000	4,500	10,500
Stores Equipment	15,000	700	14,300
Tools, Shop and Garage Equipme	-	-	-
Laboratory Equipment	-	-	-
Power Operated Equipment	-	-	-
Communication Equipment	-	-	-
Miscellaneous Equipment	-	-	-
Other Tangible Plant	-	-	-
Other Tangible Plant	-	-	-
TOTAL PLANT IN SERVICE	$ 6,818,300	$ 562,186	$ 6,256,114

CW-3
PROFORMA UTILITY PLANT IN SERVICE (WATER)
THIRD YEAR
Woodruff Water Company
With Additonal Arsenic and Flouride Treatment Expense

WWC-1B

	ORIGINAL COST	ACCUM. DEPRC.	ORIG. COST LESS DEPREC.
Organization	$ 25,000	$ -	$ 25,000
Franchises	-	-	-
Land and Land Rights	-	-	-
Structures and Improvements	-	-	-
Collecting and Impounding Rese	-	-	-
Lake, River and Other Intakes	-	-	-
Wells and Springs	2,049,400	134,332	1,915,068
Infiltration Galleries and Tun	-	-	-
Supply Mains	-	-	-
Power Generation Equipment	30,000	3,750	26,250
Pumping Equipment	1,980,000	618,750	1,361,250
Water Treatment Equipment	1,000,000	83,250	916,750
Distribution Reservoirs and St	-	-	-
Transmission and Distribution	-	-	-
Transmission and Distribution (AIAC)	1,306,900	65,345	1,241,555
Services	-	-	-
Meters and Meter Installations	605,700	65,378	540,322
Hydrants	-	-	-
Hydrants (AIAC)	-	-	-
Backflow Prevention Devices	-	-	-
Other Plant and Miscellaneous	-	-	-
Office Furniture and Equipment	40,000	5,670	34,331
Transportation Equipment	15,000	7,500	7,500
Stores Equipment	20,000	1,400	18,600
Tools, Shop and Garage Equipme	-	-	-
Laboratory Equipment	-	-	-
Power Operated Equipment	-	-	-
Communication Equipment	-	-	-
Miscellaneous Equipment	-	-	-
Other Tangible Plant	-	-	-
Other Tangible Plant	-	-	-
TOTAL PLANT IN SERVICE	$ 7,072,000	$ 985,375	$ 6,086,625

CW-3
PROFORMA UTILITY PLANT IN SERVICE (WATER)
FOURTH YEAR
Woodruff Water Company
With Additonal Arsenic and Flouride Treatment Expense

	ORIGINAL COST	ACCUM. DEPRC.	ORIG. COST LESS DEPREC.
Organization	$ 25,000	$ -	$ 25,000
Franchises	-	-	-
Land and Land Rights	-	-	-
Structures and Improvements	-	-	-
Collecting and Impounding Rese	-	-	-
Lake, River and Other Intakes	-	-	-
Wells and Springs	2,049,400	202,577	1,846,823
Infiltration Galleries and Tun	-	-	-
Supply Mains	-	-	-
Power Generation Equipment	30,000	5,250	24,750
Pumping Equipment	1,980,000	866,250	1,113,750
Water Treatment Equipment	1,000,000	116,550	883,450
Distribution Reservoirs and St	-	-	-
Transmission and Distribution	-	-	-
Transmission and Distribution (AIAC)	1,827,800	96,692	1,731,108
Services	-	-	-
Meters and Meter Installations	847,700	125,912	721,788
Hydrants	-	-	-
Hydrants (AIAC)	-	-	-
Backflow Prevention Devices	-	-	-
Other Plant and Miscellaneous	-	-	-
Office Furniture and Equipment	45,000	8,504	36,496
Transportation Equipment	15,000	10,500	4,500
Stores Equipment	25,000	2,300	22,700
Tools, Shop and Garage Equipme	-	-	-
Laboratory Equipment	-	-	-
Power Operated Equipment	-	-	-
Communication Equipment	-	-	-
Miscellaneous Equipment	-	-	-
Other Tangible Plant	-	-	-
Other Tangible Plant	-	-	-
TOTAL PLANT IN SERVICE	$ 7,844,900	$ 1,434,536	$ 6,410,364

CW-3
PROFORMA UTILITY PLANT IN SERVICE (WATER)
FIFTH YEAR
Woodruff Water Company
With Additonal Arsenic and Flouride Treatment Expense

WWC-1B

	ORIGINAL COST	ACCUM. DEPRC.	ORIG. COST LESS DEPREC.
Organization	$ 25,000	$ -	$ 25,000
Franchises	-	-	-
Land and Land Rights	-	-	-
Structures and Improvements	-	-	-
Collecting and Impounding Rese	-	-	-
Lake, River and Other Intakes	-	-	-
Wells and Springs	2,049,400	270,822	1,778,578
Infiltration Galleries and Tun	-	-	-
Supply Mains	-	-	-
Power Generation Equipment	30,000	6,750	23,250
Pumping Equipment	1,980,000	1,113,750	866,250
Water Treatment Equipment	1,000,000	149,850	850,150
Distribution Reservoirs and St	-	-	-
Transmission and Distribution	-	-	-
Transmission and Distribution (AIAC)	2,283,525	137,805	2,145,720
Services	-	-	-
Meters and Meter Installations	1,089,700	206,605	883,095
Hydrants	-	-	-
Hydrants (AIAC)	-	-	-
Backflow Prevention Devices	-	-	-
Other Plant and Miscellaneous	-	-	-
Office Furniture and Equipment	50,000	11,673	38,328
Transportation Equipment	15,000	13,500	1,500
Stores Equipment	30,000	3,400	26,600
Tools, Shop and Garage Equipme	-	-	-
Laboratory Equipment	-	-	-
Power Operated Equipment	-	-	-
Communication Equipment	-	-	-
Miscellaneous Equipment	-	-	-
Other Tangible Plant	-	-	-
Other Tangible Plant	-		-
TOTAL PLANT IN SERVICE	$ 8,552,625	$ 1,914,155	$ 6,638,470

ATTACHMENT – D (No Revision)

June 24, 2005

Water Tariff Schedule

With Additional Arsenic & Fluoride Treatment Expense

Exhibit No. WWC 1B

UTILITY: Woodruff Water Company
With Additonal Arsenic and Flouride Treatment Expense

RATES AND CHARGES

CUSTOMER / MINIMUM CHARGE
PER MONTH

METER	CHARGE		GALLONS	METER	CHARGE
5/8 x 3/4	$ 24.00	FOR	ZERO	5/8 x 3/4	$ 400.00
3/4	$ 24.00	FOR	ZERO	3/4	$ 440.00
1	$ 60.00	FOR	ZERO	1	$ 500.00
1 1/2	$ 120.00	FOR	ZERO	1 1/2	$ 715.00
2	$ 192.00	FOR	ZERO	2	$ 1,700.00
3	$ 384.00	FOR	ZERO	3	$ 2,190.00
4	$ 600.00	FOR	ZERO	4	$ 3,215.00
6	$ 1,200.00	FOR	ZERO	6	$ 6,270.00
8	$ 1,920.00	FOR	ZERO	8	Cost
10	$ 2,760.00	FOR	ZERO	10	Cost
12	$ 5,160.00	FOR	ZERO	12	Cost

COMMODITY CHARGE (EXCESS OF MINIMUM):

5/8 X 3/4 & 3/4 Inch Meters

$ 2.00 Per 1,000 Gallons for usage from 0 to 7,000 Gallons
$ 3.00 Per 1,000 Gallons for usage from 7,001 to 14,000 Gallons
$ 4.00 Per 1,000 Gallons for usage over 14,001

1 Inch Meters

$ 2.00 Per 1,000 Gallons for usage from 0 to 7,000 Gallons
$ 3.00 Per 1,000 Gallons for usage from 7,001 to 35,000 Gallons
$ 4.00 Per 1,000 Gallons for usage over 35,001

1/12 Inch Meters

$ 2.00 Per 1,000 Gallons for usage from 0 to 7,000 Gallons
$ 3.00 Per 1,000 Gallons for usage from 7,001 to 40,000 Gallons
$ 4.00 Per 1,000 Gallons for usage over 70,001

2 Inch Meters

$ 2.00 Per 1,000 Gallons for usage from 0 to 7,000 Gallons
$ 3.00 Per 1,000 Gallons for usage from 7,001 to 112,000 Gallons
$ 4.00 Per 1,000 Gallons for usage over 112,001

(School / 2 Inch Meter)

$ 2.00 Per 1,000 Gallons for usage from 0 to 100,000 Gallons
$ 3.00 Per 1,000 Gallons for usage from 100,001 to 500,000 Gallons
$ 4.00 Per 1,000 Gallons for usage over 500,001

3 Inch Meters

$ 2.00 Per 1,000 Gallons for usage from 0 to 7,000 Gallons
$ 3.00 Per 1,000 Gallons for usage from 7,001 to 224,000 Gallons
$ 4.00 Per 1,000 Gallons for usage over 224,001

UTILITY: Woodruff Water Company

RATES AND CHARGES

COMMODITY CHARGE (EXCESS OF MINIMUM):

4 Inch Meters

$ 2.00 Per 1,000 Gallons for usage from 0 to 7,000 Gallons
$ 3.00 Per 1,000 Gallons for usage from 7,001 to 350,000 Gallons
$ 4.00 Per 1,000 Gallons for usage over 350,001

6 Inch Meters

$ 2.00 Per 1,000 Gallons for usage from 0 to 7,000 Gallons
$ 3.00 Per 1,000 Gallons for usage from 7,001 to 700,000 Gallons
$ 4.00 Per 1,000 Gallons for usage over 700,001

8 Inch Meters

$ 2.00 Per 1,000 Gallons for usage from 0 to 7,000 Gallons
$ 3.00 Per 1,000 Gallons for usage from 7,001 to 1,120,000 Gallons
$ 4.00 Per 1,000 Gallons for usage over 1,120,001

10 Inch Meters

$ 2.00 Per 1,000 Gallons for usage from 0 to 7,000 Gallons
$ 3.00 Per 1,000 Gallons for usage from 7,001 to 1,610,000 Gallons
$ 4.00 Per 1,000 Gallons for usage over 1,610,001

12 Inch Meters

$ 2.00 Per 1,000 Gallons for usage from 0 to 7,000 Gallons
$ 3.00 Per 1,000 Gallons for usage from 7,001 to 3,010,000 Gallons
$ 4.00 Per 1,000 Gallons for usage over 3,010,001

SERVICE CHARGES:

1. ESTABLISHMENT (R14-2-403.D.1)	$ 30.00	
2. ESTABLISHMENT / AFTER HOURS (R14-2-403.D.2)	$ 50.00	
3. RECONNECTION / DELINQUENT (R14-2-403.D.1)	$ 50.00	
4. NSF CHECK (R14-2-409.F.1)	$ 30.00	
5. METER REREAD / IF CORRECT (R-14-408.C.2)	$ 30.00	
6. METER TEST / IF CORRECT (R14-2-408.F.1)	$ 30.00	
7. DEFERRED PAYMENT (R14-2-409.G.6)	1.50%	Per Month
8. DEPOSIT INTEREST (R14-2-408.B.3)		
9. DEPOSIT (R14-2-403.B.7)		per rule
10. REESTABLISHMENT WITHIN 12 MONTHS (R14-2-608.F.1)	(a)	
11. LATE PAYMENT PENALTY (R14-2-408.F.1)	1.50%	Per Month
12. All Revenue related taxes will be charged customers. Main Extension and additional facilities agreements,	@ COST	(b)

RULES AND REGULATIONS

* The Company has adopted the Rules and Regulation established by the Commission as the basis for its operating procedures. Arizona Corporation Commission Rules will be controlling of Company procedures, unless specific Commission Orders provide otherwise.

(a) Monthly minimum times months off the system

(b) Cost to include parts, labor, overhead, and all applicable taxes, including income tax.

Schedules 1, 1.1, 1a through 1e -- Revised

June 24, 2005

Balance Sheets, Plant Additions, Plant, Capital Financing, Advances, Deposits, Contributions in Aid of Construction

With Additional Arsenic & Fluoride Treatment Expense

Exhibit No. WWC 1B

Woodruff Water Company
Projected Balance Sheets
For the Years Ended
With Additonal Arsenic and Flouride Treatment Expense

Exhibit WWC-1B
Schedule 1
Page 1
Witness: Kozoman
Revised

Line No.		Beginning of Year	Label	1st year Changes	Year 1	Year 2	Year 3	Year 4	Year 5
3	**Assets**								
5	Utility Plant	-	(a)	5,476,800	5,476,800	6,818,300	7,072,000	7,844,900	8,552,625
6	Accumulated Depreciation	-	(b)	(177,900)	(177,900)	(562,186)	(985,375)	(1,434,536)	(1,914,155)
8	Cash	25,000		21,588	46,588	150,558	416,241	842,044	1,389,594
11	**Total Assets**	$ 25,000		$ 5,320,488	$ 5,345,488	$ 6,406,673	$ 6,502,866	$ 7,252,409	$ 8,028,064
13	Equity and Liabilities			-					
15	**Equity**								
17	Common Stock	25,000	(d)	4,124,900	4,149,900	5,249,400	5,249,400	5,249,400	5,249,400
18				-					
19	Retained Earnings		(e)	(231,312)	(231,312)	(490,267)	(565,545)	(446,836)	(142,590)
20	**Total Equity**	$ 25,000		$ 3,893,588	$ 3,918,588	$ 4,759,133	$ 4,683,855	$ 4,802,564	$ 5,106,810
22	**Liabilities & Deferred Credits**			-					
23	Advances in Aid of Construction		(f)	1,306,900	1,306,900	1,297,540	1,261,511	1,710,915	2,025,094
24	Contributions in Aid of			-					
25	Construction		(g)	-	-	-	-	-	-
26	Less: Amortization		(h)	-	-	-	-	-	-
27	Customer Deposits		(i)	-					
28	Meter Deposits			120,000	120,000	350,000	557,500	738,930	896,160
29	Long-Term Debt			-					
31	**Total Liabilities and**								
32	**Deferred Credits**	-		1,426,900	1,426,900	1,647,540	1,819,011	2,449,845	2,921,254
35	**Total Equity & Liab.**	$ 25,000		$ 5,320,488	$ 5,345,488	$ 6,406,673	$ 6,502,866	$ 7,252,409	$ 8,028,064

36 (a) Plant Additions (See Schedules 1.1 and 1a)
37 (b) Depreciation Computations (See Schedule 1a)
38 (c) Change in cash (Please Schedule 3)
39 (d) Common Stock issuance and or repurchase. (See Schedule 1b)
40 (e) Profit or loss from operations (See Schedule 2)
41 (f) Advances in Aid of Construction (See Schedule 1c)
42 (g) Contributions in Aid of Construction (See Schedule 1e)
43 (h) Amortization of Contributions in Aid of Construction, if applicable (See Schedule 1e)
44 (i) Security deposits (2 times average bill)

Woodruff Water Company
Plant
Projected Years

Exhibit
Schedule 1a
Page 1
Witness: Kozoman
WWC-1B

Line No.	Account	Description	CIAC Spread	Depreciation Rate	Estimate	Engineering Permits, Etc.	Year 1 With Additonal Arsenic and Flouride Treatment Expense Gross Amt	Additions	Depreciation*	Balance	A/D Balance
5	301	Organization		0.00%	$ 25,000		$ 25,000	$ 25,000	$ -	$ 25,000	$ -
6	302	Franchises		0.00%			-	-	-	-	-
7	303	Land and Land Rights		0.00%			-	-	-	-	-
8	304	Structures and Improvements		3.33%			-	-	-	-	-
9	305	Collecting and Impounding Rese		2.50%			-	-	-	-	-
10	306	Lake, River and Other Intakes		2.50%			-	-	-	-	-
11	307	Wells and Springs		3.33%	959,900		959,900	959,900	15,982	959,900	15,982
12	308	Infiltration Galleries and Tun		6.67%			-	-	-	-	-
13	309	Supply Mains		2.00%			-	-	-	-	-
14	310	Power Generation Equipment		5.00%	30,000		30,000	30,000	750	30,000	750
15	311	Pumping Equipment		12.50%	1,980,000		1,980,000	1,980,000	123,750	1,980,000	123,750
16	320	Water Treatment Equipment		3.33%	1,000,000		1,000,000	1,000,000	16,650	1,000,000	16,650
17	330	Distribution Reservoirs and St		2.22%			-	-	-	-	-
18	331	Transmission and Distribution (AIAC)		2.00%			-	-	-	-	-
19	331	Transmission and Distribution		2.00%	1,306,900		1,306,900	1,306,900	13,069	1,306,900	13,069
20	333	Services		3.33%			-	-	-	-	-
21	334	Meters and Meter Installations		8.33%	120,000		120,000	120,000	4,998	120,000	4,998
22	335	Hydrants	100%	2.00%			-	-	-	-	-
23	335	Hydrants (AIAC)	0%	2.00%			-	-	-	-	-
24	336	Backflow Prevention Devices		6.67%			-	-	-	-	-
25	339	Other Plant and Miscellaneous		6.67%			-	-	-	-	-
26	340	Office Furniture and Equipment		6.67%	30,000		30,000	30,000	1,001	30,000	1,001
27	341	Transportation Equipment		20.00%	15,000		15,000	15,000	1,500	15,000	1,500
28	342	Stores Equipment		4.00%	10,000		10,000	10,000	200	10,000	200
29	343	Tools, Shop and Garage Equipme		5.00%			-	-	-	-	-
30	344	Laboratory Equipment		10.00%			-	-	-	-	-
31	345	Power Operated Equipment		5.00%			-	-	-	-	-
32	346	Communication Equipment		10.00%			-	-	-	-	-
33	347	Miscellaneous Equipment		10.00%			-	-	-	-	-
34	348	Other Tangible Plant		10.00%			-	-	-	-	-
35	398	Other Tangible Plant		10.00%		-	-	-	-	-	-
36							-	-	-	-	-
40		Totals			$ 5,476,800	$ -	$ 5,476,800	$ 5,476,800	$ 177,900	$ 5,476,800	$ 177,900
42		Composite Rate with 1/2 yr convention							3.25%		
45		Licenses, Taxes, Permits				$ -					
46		Engineering and Contingency				-					
47		Total				$ -					
49	*Capacity Adjustment to Depreciation Expense -										
50	(Requires an Accounting Order)					300					
51	Customer connections					2,721					
52	Capacity (in customer connections)					0.1103	0.0000				
53	Capacity Factor										

Woodruff Water Company
Plant
Projected Years

Exhibit
Schedule 1a
Page 2
Witness: Kozoman
WWC-1B

Line No.	Account	Description	CIAC Spread	Depreciation Rate	Estimate	Engineering Permits, Etc.	Year 2 With Additonal Arsenic and Flouride Treatment Expense Gross Amt	Additions	Depreciation*	Balance	A/D Balance
1											
2											
3											
4											
5	301	Organization		0.00%			$ -	$ -	$ -	$ 25,000	$ -
6	302	Franchises		0.00%			-	-	-	-	-
7	303	Land and Land Rights		0.00%			-	-	-	-	-
8	304	Structures and Improvements		3.33%			-	-	-	-	-
9	305	Collecting and Impounding Rese		2.50%			-	-	-	-	-
10	306	Lake, River and Other Intakes		2.50%			-	-	-	-	-
11	307	Wells and Springs		3.33%	1,089,500		1,089,500	1,089,500	50,105	2,049,400	66,087
12	308	Infiltration Galleries and Tun		6.67%			-	-	-	-	-
13	309	Supply Mains		2.00%			-	-	-	-	-
14	310	Power Generation Equipment		5.00%				-	1,500	30,000	2,250
15	311	Pumping Equipment		12.50%			-	-	247,500	1,980,000	371,250
16	320	Water Treatment Equipment		3.33%			-	-	33,300	1,000,000	49,950
17	330	Distribution Reservoirs and St		2.22%			-	-	-	-	-
18	331	Transmission and Distribution (AIAC)		2.00%			-	-	-	-	-
19	331	Transmission and Distribution		2.00%			-	-	26,138	1,306,900	39,207
20	333	Services		3.33%			-	-	-	-	-
21	334	Meters and Meter Installations		8.33%	242,000		242,000	242,000	20,075	362,000	25,073
22	335	Hydrants	100%	2.00%			-	-	-	-	-
23	335	Hydrants (AIAC)	0%	2.00%			-	-	-	-	-
24	336	Backflow Prevention Devices		6.67%			-	-	-	-	-
25	339	Other Plant and Miscellaneous		6.67%			-	-	-	-	-
26	340	Office Furniture and Equipment		6.67%	5,000		5,000	5,000	2,168	35,000	3,168
27	341	Transportation Equipment		20.00%			-	-	3,000	15,000	4,500
28	342	Stores Equipment		4.00%	5,000		5,000	5,000	500	15,000	700
29	343	Tools, Shop and Garage Equipme		5.00%			-	-	-	-	-
30	344	Laboratory Equipment		10.00%			-	-	-	-	-
31	345	Power Operated Equipment		5.00%			-	-	-	-	-
32	346	Communication Equipment		10.00%			-	-	-	-	-
33	347	Miscellaneous Equipment		10.00%			-	-	-	-	-
34	348	Other Tangible Plant		10.00%			-	-	-	-	-
35	398	Other Tangible Plant		10.00%			-	-	-	-	-
36							-	-	-	-	-
37											
38											
39											
40		Totals			$ 1,341,500	$ -	$ 1,341,500	$ 1,341,500	$ 384,286	$ 6,818,300	$ 562,186
41											
42		Composite Rate with 1/2 yr convention							5.64%		
43											
44											
45		Licenses, Taxes, Permits				$ -					
46		Engineering and Contingency				-					
47		Total				$ -					
48											
49	*Capacity Adjustment to Depreciation Expense -										
50	(Requires an Accounting Order)					905					
51	Customer connections					2,721					
52	Capacity (in customer connections)					0.3326					
53	Capacity Factor										

Woodruff Water Company
Plant
Projected Years

Exhibit
Schedule 1a
Page 3
Witness: Kozoman
WWC-1B

Line No.	Account	Description	CIAC Spread	Depreciation Rate	Estimate	Engineering Permits, Etc.	Year 3 With Additonal Arsenic and Flouride Treatment Expense Gross Amt	Additions	Depreciation*	Balance	A/D Balance
5	301	Organization		0.00%			$ -	$ -	$ -	$ 25,000	$ -
6	302	Franchises		0.00%			-	-	-	-	-
7	303	Land and Land Rights		0.00%			-	-	-	-	-
8	304	Structures and Improvements		3.33%			-	-	-	-	-
9	305	Collecting and Impounding Rese		2.50%			-	-	-	-	-
10	306	Lake, River and Other Intakes		2.50%			-	-	-	-	-
11	307	Wells and Springs		3.33%			-	-	68,245	2,049,400	134,332
12	308	Infiltration Galleries and Tun		6.67%			-	-	-	-	-
13	309	Supply Mains		2.00%			-	-	-	-	-
14	310	Power Generation Equipment		5.00%				-	1,500	30,000	3,750
15	311	Pumping Equipment		12.50%			-	-	247,500	1,980,000	618,750
16	320	Water Treatment Equipment		3.33%			-	-	33,300	1,000,000	83,250
17	330	Distribution Reservoirs and St		2.22%			-	-	-	-	-
18	331	Transmission and Distribution (AIAC)		2.00%			-	-	-	-	-
19	331	Transmission and Distribution		2.00%			-	-	26,138	1,306,900	65,345
20	333	Services		3.33%			-	-	-	-	-
21	334	Meters and Meter Installations		8.33%	243,700		243,700	243,700	40,305	605,700	65,378
22	335	Hydrants	100%	2.00%			-	-	-	-	-
23	335	Hydrants (AIAC)	0%	2.00%			-	-	-	-	-
24	336	Backflow Prevention Devices		6.67%			-	-	-	-	-
25	339	Other Plant and Miscellaneous		6.67%			-	-	-	-	-
26	340	Office Furniture and Equipment		6.67%	5,000		5,000	5,000	2,501	40,000	5,670
27	341	Transportation Equipment		20.00%			-	-	3,000	15,000	7,500
28	342	Stores Equipment		4.00%	5,000		5,000	5,000	700	20,000	1,400
29	343	Tools, Shop and Garage Equipme		5.00%			-	-	-	-	-
30	344	Laboratory Equipment		10.00%			-	-	-	-	-
31	345	Power Operated Equipment		5.00%			-	-	-	-	-
32	346	Communication Equipment		10.00%			-	-	-	-	-
33	347	Miscellaneous Equipment		10.00%			-	-	-	-	-
34	348	Other Tangible Plant		10.00%			-	-	-	-	-
35	398	Other Tangible Plant		10.00%			-	-	-	-	-
36							-	-	-	-	-
40		Totals			$ 253,700	$ -	$ 253,700	$ 253,700	$ 423,189	$ 7,072,000	$ 985,375
42		Composite Rate with 1/2 yr convention							5.98%		
45		Licenses, Taxes, Permits				$ -					
46		Engineering and Contingency				-					
47		Total				$ -					
49	*Capacity Adjustment to Depreciation Expense -										
50	(Requires an Accounting Order)					1,511					
51	Customer connections					2,721					
52	Capacity (in customer connections)					0.5553					
53	Capacity Factor										

Woodruff Water Company
Plant
Projected Years

Exhibit
Schedule 1a
Page 4
Witness: Kozoman

WWC-1B

Line No.	Account	Description	CIAC Spread	Depreciation Rate	Year 4 Estimate	Engineering Permits, Etc.	With Additonal Arsenic and Flouride Treatment Expense Gross Amt	Additions	Depreciation*	Balance	A/D Balance
5	301	Organization		0.00%			$ -	$ -	$ -	$ 25,000	$ -
6	302	Franchises		0.00%			-	-	-	-	-
7	303	Land and Land Rights		0.00%			-	-	-	-	-
8	304	Structures and Improvements		3.33%			-	-	-	-	-
9	305	Collecting and Impounding Rese		2.50%			-	-	-	-	-
10	306	Lake, River and Other Intakes		2.50%			-	-	-	-	-
11	307	Wells and Springs		3.33%			-	-	68,245	2,049,400	202,577
12	308	Infiltration Galleries and Tun		6.67%			-	-	-	-	-
13	309	Supply Mains		2.00%			-	-	-	-	-
14	310	Power Generation Equipment		5.00%				-	1,500	30,000	5,250
15	311	Pumping Equipment		12.50%			-	-	247,500	1,980,000	866,250
16	320	Water Treatment Equipment		3.33%			-	-	33,300	1,000,000	116,550
17	330	Distribution Reservoirs and St		2.22%			-	-	-	-	-
18	331	Transmission and Distribution (AIAC)		2.00%			-	-	-	-	-
19	331	Transmission and Distribution		2.00%	520,900		520,900	520,900	31,347	1,827,800	96,692
20	333	Services		3.33%			-	-	-	-	-
21	334	Meters and Meter Installations		8.33%	242,000		242,000	242,000	60,534	847,700	125,912
22	335	Hydrants	100%	2.00%			-	-	-	-	-
23	335	Hydrants (AIAC)	0%	2.00%			-	-	-	-	-
24	336	Backflow Prevention Devices		6.67%			-	-	-	-	-
25	339	Other Plant and Miscellaneous		6.67%			-	-	-	-	-
26	340	Office Furniture and Equipment		6.67%	5,000		5,000	5,000	2,835	45,000	8,504
27	341	Transportation Equipment		20.00%			-	-	3,000	15,000	10,500
28	342	Stores Equipment		4.00%	5,000		5,000	5,000	900	25,000	2,300
29	343	Tools, Shop and Garage Equipme		5.00%			-	-	-	-	-
30	344	Laboratory Equipment		10.00%			-	-	-	-	-
31	345	Power Operated Equipment		5.00%			-	-	-	-	-
32	346	Communication Equipment		10.00%			-	-	-	-	-
33	347	Miscellaneous Equipment		10.00%			-	-	-	-	-
34	348	Other Tangible Plant		10.00%			-	-	-	-	-
35	398	Other Tangible Plant		10.00%			-	-	-	-	-
36							-	-	-	-	-
40		Totals			$ 772,900	$ -	$ 772,900	$ 772,900	$ 449,161	$ 7,844,900	$ 1,434,536
42		Composite Rate with 1/2 yr convention							5.73%		
45		Licenses, Taxes, Permits				$ -					
46		Engineering and Contingency				-					
47		Total				$ -					
49	*Capacity Adjustment to Depreciation Expense -										
50	(Requires an Accounting Order)					2,116					
51	Customer connections					2,721					
52	Capacity (in customer connections)					0.7777					
53	Capacity Factor										

Woodruff Water Company
Plant
Projected Years

Exhibit
Schedule 1a
Page 5
Witness: Kozoman
WWC-1B

Line No.	Account	Description	CIAC Spread	Depreciation Rate	Estimate	Engineering Permits, Etc.	Year 5 With Additonal Arsenic and Flouride Treatment Expense Gross Amt	Additions	Depreciation*	Balance	A/D Balance
5	301	Organization		0.00%			$ -	$ -	$ -	$ 25,000	$ -
6	302	Franchises		0.00%			-	-	-	-	-
7	303	Land and Land Rights		0.00%			-	-	-	-	-
8	304	Structures and Improvements		3.33%			-	-	-	-	-
9	305	Collecting and Impounding Rese		2.50%			-	-	-	-	-
10	306	Lake, River and Other Intakes		2.50%			-	-	-	-	-
11	307	Wells and Springs		3.33%			-	-	68,245	2,049,400	270,822
12	308	Infiltration Galleries and Tun		6.67%			-	-	-	-	-
13	309	Supply Mains		2.00%			-	-	-	-	-
14	310	Power Generation Equipment		5.00%				-	1,500	30,000	6,750
15	311	Pumping Equipment		12.50%			-	-	247,500	1,980,000	1,113,750
16	320	Water Treatment Equipment		3.33%			-	-	33,300	1,000,000	149,850
17	330	Distribution Reservoirs and St		2.22%			-	-	-	-	-
18	331	Transmission and Distribution (AIAC)		2.00%			-	-	-	-	-
19	331	Transmission and Distribution		2.00%	455,725		455,725	455,725	41,113	2,283,525	137,805
20	333	Services		3.33%			-	-	-	-	-
21	334	Meters and Meter Installations		8.33%	242,000		242,000	242,000	80,693	1,089,700	206,605
22	335	Hydrants	100%	2.00%			-	-	-	-	-
23	335	Hydrants (AIAC)	0%	2.00%			-	-	-	-	-
24	336	Backflow Prevention Devices		6.67%			-	-	-	-	-
25	339	Other Plant and Miscellaneous		6.67%			-	-	-	-	-
26	340	Office Furniture and Equipment		6.67%	5,000		5,000	5,000	3,168	50,000	11,673
27	341	Transportation Equipment		20.00%			-	-	3,000	15,000	13,500
28	342	Stores Equipment		4.00%	5,000		5,000	5,000	1,100	30,000	3,400
29	343	Tools, Shop and Garage Equipme		5.00%			-	-	-	-	-
30	344	Laboratory Equipment		10.00%			-	-	-	-	-
31	345	Power Operated Equipment		5.00%			-	-	-	-	-
32	346	Communication Equipment		10.00%			-	-	-	-	-
33	347	Miscellaneous Equipment		10.00%			-	-	-	-	-
34	348	Other Tangible Plant		10.00%			-	-	-	-	-
35	398	Other Tangible Plant		10.00%			-	-	-	-	-
40		Totals			$ 707,725	$ -	$ 707,725	$ 707,725	$ 479,619	$ 8,552,625	$ 1,914,155
42		Composite Rate with 1/2 yr convention							5.61%	$ 7,462,925	

Line No.		
45	Licenses, Taxes, Permits	$ -
46	Engineering and Contingency	-
47	Total	$ -

Line No.		
49	*Capacity Adjustment to Depreciation Expense -	
50	(Requires an Accounting Order)	
51	Customer connections	2,721
52	Capacity (in customer connections)	2,721
53	Capacity Factor	1.0000

Woodruff Water Company
Plant Additions List by Year
Plant Addition Summary Page
With Additonal Arsenic and Flouride Treatment Expense

Exhibit WWC-1B
Schedule 1.1
Summary Page
Witness: Kozoman

Line No.			Year 1	Year 2	Year 3	Year 4	Year 5
1	301	Organization	25,000	-	-	-	-
2	302	Franchises	-	-	-	-	-
3	303	Land and Land Rights	-	-	-	-	-
4	304	Structures and Improvements	-	-	-	-	-
5	305	Collecting and Impounding Rese	-	-	-	-	-
6	306	Lake, River and Other Intakes	-	-	-	-	-
7	307	Wells and Springs	959,900	1,089,500	-	-	-
8	308	Infiltration Galleries and Tun	-	-	-	-	-
9	309	Supply Mains	-	-	-	-	-
10	310	Power Generation Equipment	30,000	-	-	-	-
11	311	Pumping Equipment	1,980,000	-	-	-	-
12	320	Water Treatment Equipment	1,000,000	-	-	-	-
13	330	Distribution Reservoirs and St	-	-	-	-	-
14	331	Transmission and Distribution	-	-	-	-	-
15	331	Transmission and Distribution (AIAC)	1,306,900	-	-	520,900	455,725
16	333	Services	-	-	-	-	-
17	334	Meters and Meter Installations	120,000	242,000	243,700	242,000	242,000
18	335	Hydrants	-	-	-	-	-
19	335	Hydrants (AIAC)	-	-	-	-	-
20	336	Backflow Prevention Devices	-	-	-	-	-
21	339	Other Plant and Miscellaneous	-	-	-	-	-
22	340	Office Furniture and Equipment	30,000	5,000	5,000	5,000	5,000
23	341	Transportation Equipment	15,000	-	-	-	-
24	342	Stores Equipment	10,000	5,000	5,000	5,000	5,000
25	343	Tools, Shop and Garage Equipme	-	-	-	-	-
26	344	Laboratory Equipment	-	-	-	-	-
27	345	Power Operated Equipment	-	-	-	-	-
28	346	Communication Equipment	-	-	-	-	-
29	347	Miscellaneous Equipment	-	-	-	-	-
30	348	Other Tangible Plant	-	-	-	-	-
31	398	Other Tangible Plant	-	-	-	-	-
32		Totals	5,476,800	1,341,500	253,700	772,900	707,725

Woodruff Water Company
Projected Capital Financing
Projected Years Ended
With Additonal Arsenic and Flouride Treatment Expense

Exhibit WWC-1B
Schedule 1b
Page 1
Witness: Kozoman

	Year 0	1	2	3	4	5	Totals
Plant to be Constructed (From Schedule 1.1 or 1a)	$ -	$ 5,476,800	$ 1,341,500	$ 253,700	$ 772,900	$ 707,725	$ 8,552,625
Financing:							
Transmission & Distribution Lines Advanced by Builders		$ 1,306,900	$ -	$ -	$ 520,900	$ 455,725	$ 2,283,525
Plant Installed with Customer Meter Deposits		120,000	242,000	243,700	242,000	242,000	1,089,700
Contributions-in-aid of Construction (Hook-up Fees)		-	-	-	-	-	-
Common Equity Issued for Plant Construction	-	4,049,900	1,099,500	-	-	-	5,149,400
Common Equity Issued For Working Capital	25,000	75,000	-	-	-	-	100,000
Debt Financing Issued for Plant Construction							
Internal Cash Used for Plant Additions				-		-	-
Total Financing	$ 25,000	$ 5,551,800	$ 1,341,500	$ 243,700	$ 762,900	$ 697,725	$ 8,622,625

Woodruff Water Company
Schedule of Developer Advances and Refunds
Projected Years
With Additonal Arsenic and Flouride Treatment Expense

Exhibit WWC-1B
Schedule 1c
Page 1
Witness: Kozoman

Line No.		Year 0	Year 1	Year 2	Year 3	Year 4	Year 5
5	**Developer Advances Collected**						
6	Internal Parcel Infrastructure	$ -	$ 1,306,900	$ -	$ -	$ 520,900	$ 455,725
10	Total Collected	$ -	$ 1,306,900	$ -	$ -	$ 520,900	$ 455,725
12	Cummulative Collected	$ -	$ 1,306,900	$ 1,306,900	$ 1,306,900	$ 1,827,800	$ 2,283,525
15	**Developer Advances Refunded (a)**						
16	Advances Refunds at 10% of Revenes from Water Sales			9,360	36,029	71,496	141,546
21	Total Refunds	$ -	$ -	$ 9,360	$ 36,029	$ 71,496	$ 141,546
23	Cummulative Refunds	$ -	$ -	$ 9,360	$ 45,389	$ 116,885	$ 258,431
25	Cummulative Balance	$ -	$ 1,306,900	$ 1,297,540	$ 1,261,511	$ 1,710,915	$ 2,025,094

28 (a) Refund Rate per Year 10% of Revenue from Customers served by line extension

Woodruff Water Company
Schedule of Meter Deposits and Refunds
Projected Years
With Additonal Arsenic and Flouride Treatment Expense

Exhibit WWC-1B
Schedule 1d
Page 1
Witness: Kozoman

Line No.			Year 0	1	2	3	4	5
5	**Service Line Installations**							
6	Residential			$ 120,000	$ 240,000	$ 240,000	$ 240,000	$ 240,000
7	Commercial			-	2,000	2,000	2,000	2,000
8	School			-	-	1,700	-	-
10	Total Collected		$ -	$ 120,000	$ 242,000	$ 243,700	$ 242,000	$ 242,000
12	Cummulative Collected		$ -	$ 120,000	$ 362,000	$ 605,700	$ 847,700	$ 1,089,700
14	**Service Line Installations Refunded (a)**							
15	Meter Deposits from Year	1			12,000	12,000	12,000	12,000
16	Meter Deposits from Year	2				24,200	24,200	24,200
17	Meter Deposits from Year	3					24,370	24,370
18	Meter Deposits from Year	4						24,200
19	Meter Deposits from Year	5						
20	Total Refunds		$ -	$ -	$ 12,000	$ 36,200	$ 60,570	$ 84,770
22	Cummulative Refunds		$ -	$ -	$ 12,000	$ 48,200	$ 108,770	$ 193,540
24	Cummulative Balance		$ -	$ 120,000	$ 350,000	$ 557,500	$ 738,930	$ 896,160
29	(a) Refund Rate per Year	10%						

Woodruff Water Company
Schedule of Contributions-in-Aid of Construction
Projected Years
With Additonal Arsenic and Flouride Treatment Expense

Exhibit WWC-1B
Schedule 1e
Page 1
Witness: Kozoman

Line No.		Year 0	1	2	3	4	5
1							
2							
3							
4							
5	**Contributions (Hook-up Fees)**						
6	Residential	$ -	$ -	$ -	$ -	$ -	$ -
7	Commercial		-		-	-	-
8	School		-	-		-	-
9							
10							
11	Total Collected	$ -	$ -	$ -	$ -	$ -	$ -
12							
13	Cummulative Collected	$ -	$ -	$ -	$ -	$ -	$ -
14							
15	**Amortization**						
16	Composite Rate (1/2 Yr Conv.)	0.00%	3.25%	5.64%	5.98%	5.73%	5.61%
17							
18	Amortization	$ -	$ -	$ -	$ -	$ -	$ -
19							
20	Cummulative Amortization	$ -	$ -	$ -	$ -	$ -	$ -
21							
22	Cummulative Balance	$ -	$ -	$ -	$ -	$ -	$ -
23							
24							
25							
26							
27							
28							

Schedules 2 through 5 -- Revised

June 24, 2005

With Additional Arsenic & Fluoride Treatment Expense

Exhibit No. WWC 1B

Woodruff Water Company
Projected Statements of Income
For the 12 Months Ended
With Additonal Arsenic and Flouride Treatment Expense

Exhibit WWC-1B
Schedule 2
Page 1
Witness: Kozoman
Revised

Line No.				Year 1	Year 2	Year 3	Year 4	Year 5
3	**Total estimated Revenues**			$ 102,600	$ 378,440	$ 733,145	$ 1,087,729	$ 1,433,609
4	**Expenses**							
5	Pumping Power - All	0.45	per 1,000 gals	8,100	32,811	67,264	101,717	134,938
6	**Wages**			50,000	51,500	53,045	54,636	56,275
7	**Payroll Burden**			16,500	16,995	17,505	18,030	18,571
8	Permits (Not Caplitalized to Plant)			5,000	5,000	5,000	5,000	5,000
9	Licenses (Not Capitalized to Plant)			2,000	2,060	2,122	2,185	2,251
10	Enginnering (Not Capitalized to Plant)			2,000	2,060	2,122	2,185	2,251
11	**Chemicals**			6,000	9,000	12,000	15,000	18,000
12	Supplies			4,000	5,000	6,000	7,000	8,000
13	Repairs			2,000	6,000	9,000	12,000	15,000
14	Insurance (b)			4,000	4,120	4,244	4,371	4,502
15	Office Expense			1,000	3,000	5,000	7,000	9,000
16	Billing, Postage, Operations (a)(b)	1.50	Per Customer	2,700	10,845	21,744	32,643	43,533
17	Contract Labor			2,000	2,060	2,122	2,185	2,251
18	Administrative Services			40,000	41,200	42,436	43,709	45,020
19	Rentals			3,000	3,090	3,183	3,278	3,377
20	Depreciation net of Amortization of CIAC (From Schedules 1a & 1e)			177,900	384,286	423,189	449,161	479,619
21	Vehicles (b)	$ 2,500		2,500	2,575	2,652	2,732	2,814
22	Legal & Accounting (b)	$ 12,000		12,000	12,360	12,731	13,113	13,506
23	Miscellenous Expenses (b) (e)	$ 2,400		2,400	2,472	2,546	2,623	2,701
24	Testing (d)			1,500	4,525	7,555	10,580	13,605
25	**Additional Arsenic & Flouride Treatment Charges over**							
26	**Charges already included in Pumping Power, Supplies**			**(16,200)**	**25,932**	**85,360**	**143,814**	**201,952**
27	**Labor & Payroll Burden (g) (h)**							
28	Income Taxes			50	50	50	50	50
29	Property Taxes (f)			5,837	11,528	24,511	44,509	66,020
30								
31	**Total Expense**			$ 334,287	$ 638,469	$ 811,379	$ 977,522	$ 1,148,237
32								
33	**Operating income (loss)**			$ (231,687)	$ (260,029)	$ (78,235)	$ 110,207	$ 285,372
34	Less:							
35	Interest (Expense)Income on Cash Balance (c)			375	1,074	2,957	8,502	18,874
36	Interest Expense Long-term Debt (c)			-	-	-	-	-
37	**Net Income**			$ (231,312)	$ (258,955)	$ (75,278)	$ 118,709	$ 304,246

38 Income Tax assumes utilitization of loss carryforwards. Income Tax computed on Book Basis
39 Income Tax computed on book basis.
40 (a) Per customer per month
41 (b) Annual Inflation of: 3.00%
42 (c) If Applicable
43 (d) Based on Testing Cost of $5.00 Per Year Per Customer
44 (e) Miscellaneous Expenses of $200 per month
45 (f) See Property Tax Calculation
46 **(g) 1/3 Of Power, 1/2 of Supplies & 40% of Labor**
47 **(h) Per Schedule 2c,**

Woodruff Water Company
Schedule of Projected Revenues
For the Years Ended
With Additonal Arsenic and Flouride Treatment Expense

Exhibit WWC-1B
Schedule 2a
Page 1
Witness: Kozoman

Line No.		Year 1	Year 2	Year 3	Year 4	Year 5
1						
2						
3	Residential					
4	5/8 Inch	$ 93,600	$ 356,400	$ 694,800	$ 1,033,200	$ 1,371,600
5	Establishment Fees *	9,000	18,000	18,000	18,000	18,000
6	Total Residential Revenues	102,600	374,400	712,800	1,051,200	1,389,600
7						
8	Commercial					
9	5/8 Inch	-	3,890	11,370	18,850	26,330
10	Establishment Fees *	-	150	150	150	150
11	Total Commercial Revenues	-	4,040	11,520	19,000	26,480
12						
13	Effluent Revenues, if Applicable	-	-	-	-	-
14						
15	Other Revenues					
16	School	-	-	8,795	17,529	17,529
17	Establishment Fees *			30		
18	Total School Revenues	-	-	8,825	17,529	17,529
19						
20	Total	$ 102,600	$ 378,440	$ 733,145	$ 1,087,729	$ 1,433,609
21						
22						
23						
24	* Collected at either Water or Wastewater Uitility, but not both.					

Woodruff Water Company
Customer Counts
For Projected Years Ended
With Additonal Arsenic and Flouride Treatment Expense

Exhibit WWC-1B
Schedule 2a
Page 2
Witness: Kozoman

Line No.		Year				
1						
2	**Year Ended**	**1**	**2**	**3**	**4**	**5**
3	Residential					
4	5/8 Inch	300	900	1,500	2,100	2,700
5						
6	Commercial					
7	5/8 Inch	-	5	10	15	20
8	1 Inch	-	-	-	-	-
9	2 Inch	-	-	-	-	-
10						
11	Irrigation					
12						
13	School 2 Inch	-	-	1	1	1
14						
15						
16						
17	Total	300	905	1,511	2,116	2,721
18						
19	Customer Count for Computing Revenues (Uses 1/2 Year Convention					
20				**Year**		
21	**Year Ended**	**1**	**2**	**3**	**4**	**5**
22	Residential					
23	5/8 Inch	150.00	600.00	1,200.00	1,800.00	2,400.00
24						
25	Commercial					
26	5/8 Inch	-	2.50	7.50	12.50	17.50
27	1 Inch	-	-	-	-	-
28	2 Inch	-	-	-	-	-
29						
30	Irrigation					
31						
32	School 2 Inch	-	-	0.50	1.00	1.00
33						
34						
35						
36	Total	150.00	602.50	1,208.00	1,813.50	2,418.50

Woodruff Water Company
Gallons Sold (1,000's)
For Projected Years Ended
With Additonal Arsenic and Flouride Treatment Expense

Exhibit WWC-1B
Schedule 2a
Page 3
Witness: Kozoman

Line No.		Year				
1						
2	**Year Ended**	**1**	**2**	**3**	**4**	**5**
3	Residential					
4	5/8 Inch	18,000	72,000	144,000	216,000	288,000
5						
6	Commercial					
7	5/8 Inch	-	913	2,738	4,563	6,388
8	1 Inch	-	-	-	-	-
9	2 Inch	-	-	-	-	-
10						
11	Irrigation					
12						
13	School 2 Inch	-	-	2,738	5,475	5,475
14						
15						
16						
17	Total	18,000	72,913	149,475	226,038	299,863
18						
19	Commercial & School	-	913	5,475	10,038	11,863
20						
21						
22						

Woodruff Water Company
Schedule of Projected Revenues
For the Years Ended
With Additonal Arsenic and Flouride Treatment Expens

Exhibit WWC-1B
Schedule 2a
Page 4
Witness: Kozoman

Line No.						Year 1	Year 2	Year 3	Year 4	Year 5
1										
2	**Projected Customers / Residential 5/8 Inch Mete**									
3										
4										
5										
6	Estimated connections installed by year end					300	600	600	600	600
7	(Cumulative)					300	900	1,500	2,100	2,700
8	Estimated connection installed during the year					300	600	600	600	600
9										
10	1/2 Year Convention for Revenue					150.00	600.00	1,200.00	1,800.00	2,400.00
11										
12	**Projected Revenue**									
13										
14	Annual gallonage delivered (in 1,000's)*			120,000		18,000	72,000	144,000	216,000	288,000
15	Assuming average usage per month of:			**10,000**						
16	Daily Gallons			328.77		49,315	197,260	394,521	591,781	789,041
17	Residential:									
18	Monthly Mins.	$ 24.00	Minimum Charge			$ 43,200	$ 172,800	$ 345,600	$ 518,400	$ 691,200
19										
20	For Usage Up to: (Gallons)									
21	7,000	$ 2.00	Commodity Rate & Revenue		**Tier 1**	25,200	100,800	201,600	302,400	403,200
22	14,000	$ 3.00	Commodity Rate & Revenue		**Tier 2**	16,200	64,800	129,600	194,400	259,200
23	Usage over:									
24	14,001	$ 4.00	Commodity Rate & Revenue		**Tier 3**					
25										
26										
27	**Average Bill for Residential Customer**									
28		**$ 47.00**								
29										
30										
31										
32										
33	Establishment Fees at:			$ 30.00	**	$ 9,000	$ 18,000	$ 18,000	$ 18,000	$ 18,000
34	Total Revenue					$ 93,600	$ 356,400	$ 694,800	$ 1,033,200	$ 1,371,600
35										
36		328.77	= Gallons per day							
37		30.42	= Days in Average Month							
38		10,000	= Average Usage per month							
39										
40	** Collected at either Water or Wastewater Uitility, but not both.									
41										
42										

Woodruff Water Company
Schedule of Projected Revenues
For the Years Ended
With Additonal Arsenic and Flouride Treatment Expense

Exhibit WWC-1B
Schedule 2a
Page 5
Witness: Kozoman

Line No.						Year 1	Year 2	Year 3	Year 4	Year 5
1										
2	**Projected Customers / School 2 Inch Meter:**									
3										
4										
5										
6	Estimated connections installed by year end							1		
7	(Cumulative)							1	1	1
8	Estimated connection installed during the year							1		
9										
10	1/2 Year Convention for Revenue					-	-	0.50	1.00	1.00
11										
12	**Projected Revenue**									
13										
14										
15	Annual gallonage delivered (in 1,000's)*			5,475,000		-	-	2,738	5,475	5,475
16	Assuming average usage per month of:			456,250						
17	Daily Gallons			15,000.00		-	-	-	-	-
18	**School:**									
19	Monthly Mins. 2 Inch Meter	$ 192.00	Minimum Charge			$ -	$ -	$ 1,152	$ 2,304	$ 2,304
20	For Usage Up to: (Gallons)									
21	100,000	$ 2.00	Commodity Rate & Revenue		**Tier 1**			1,200	2,400	2,400
22	500,000	$ 3.00	Commodity Rate & Revenue		**Tier 2**			6,413	12,825	12,825
23	Usage over:									
24	500,001	$ 4.00	Commodity Rate & Revenue		**Tier 3**					
25										
26	Establishment Fees at			$ 30.00	**	$ -	$ -	$ 30	$ -	$ -
27		Total Revenue				$ -	$ -	$ 8,795	$ 17,529	$ 17,529
28										
29		15,000	= Gallons per day							
30		30.42	= Days in Average Month							
31		456,250	= Average Usage per month							
32										
33	** Collected at either Water or Wastewater Uitility, but not both.									

Assumed that water usage was based on number of students (750) times usage of 20 gallons per student, per day, times average number of days in a month. Assumed 365 day usage. Further assumed that other water usage (landscape, etc.) would account for days when there was no school (such as weekends & holidays)

Woodruff Water Company
Schedule of Projected Revenues
For the Years Ended
With Additonal Arsenic and Flouride Treatment Expense

Exhibit WWC-1B
Schedule 2a
Page 6
Witness: Kozoman

Line No.						Year 1	Year 2	Year 3	Year 4	Year 5
1										
2	**Projected Customers / Commercial 5/8 Inch Meter**									
3										
4										
5										
6	Estimated connections installed by year end					0	5	5	5	5
7	(Cumulative)					0	5	10	15	20
8	Estimated connection installed during the year						5	5	5	5
9										
10	1/2 Year Convention for Revenue					-	2.50	7.50	12.50	17.50
11										
12	**Projected Revenue**									
13										
14	Annual gallonage delivered (in 1,000's)*			365,000		-	913	2,738	4,563	6,388
15	Assuming average usage per month of:			30,417						
16	Daily Gallons			1,000.00		-	2,500	7,500	12,500	17,500
17	**Commecial**									
18	Monthly Mins. 5/8 Inch Meter	$ 24.00	Minimum Charge			$ -	$ 720	$ 2,160	$ 3,600	$ 5,040
19	For Usage Up to: (Gallons)									
20	7,000	$ 2.00	Commodity Rate & Revenue		**Tier 1**		420	1,260	2,100	2,940
21	14,000	$ 3.00	Commodity Rate & Revenue		**Tier 2**		630	1890	3150	4410
22	Usage over:									
23	14,001	$ 4.00	Commodity Rate & Revenue		**Tier 3**		1,970	5,910	9,850	13,790
24										
25										
26										
27	Establishment Fees at			$ 30.00	**	$ -	$ 150	$ 150	$ 150	$ 150
28		Total Revenue				$ -	$ 3,890	$ 11,370	$ 18,850	$ 26,330
29										
30		1,000	= Gallons per day							
31		30.42	= Days in Average Month							
32		30,417	= Average Usage per month							
33										
34	** Collected at either Water or Wastewater Uitility, but not both.									

Woodruff Water Company
Schedule of Projected Revenues
For the Years Ended
With Additonal Arsenic and Flouride Treatment Expense

Exhibit WWC-1B
Schedule 2a
Page 7
Witness: Kozoman

Line No.						Year 1	Year 2	Year 3	Year 4	Year 5
1										
2	**Projected Customers / Commercial 1 Inch Meter**									
3										
4										
5										
6	Estimated connections installed by year end									
7	(Cumulative)									
8	Estimated connection installed during the year									
9										
10	1/2 Year Convention for Revenue					-	-	-	-	-
11										
12	**Projected Revenue**									
13										
14	Annual gallonage delivered (in 1,000's)*			240,000		-	-	-	-	-
15	Assuming average usage per month of:			20,000						
16	Daily Gallons			657.53		-	-	-	-	-
17	Commecial									
18	Monthly Mins. 1 Inch Meter	$	60.00	Minimum Charge		$ -	$ -	$ -	$ -	$ -
19	For Usage Up to: (Gallons)									
20	7,000	$	2.00	Commodity Rate & Rev	**Tier 1**					
21	14,000	$	3.00	Commodity Rate & Rev	**Tier 2**					
22	Usage over:									
23	14,001	$	4.00	Commodity Rate & Rev	**Tier 3**					
24										
25	Establishment Fees at			$ 30.00 **		$ -	$ -	$ -	$ -	$ -
26		Total Revenue				$ -	$ -	$ -	$ -	$ -
27										
28			657.53	= Gallons per day						
29			30.42	= Days in Average Month						
30			20,000	= Average Usage per month						
31										
32	** Collected at either Water or Wastewater Uitility, but not both.									

Woodruff Water Company
Schedule of Projected Revenues
For the Years Ended
With Additonal Arsenic and Flouride Treatment Expense

Exhibit WWC-1B
Schedule 2a
Page 8
Witness: Kozoman

Line No.						Year 1	Year 2	Year 3	Year 4	Year 5
1										
2	**Projected Customers / Commercial 2 Inch Meter**									
3										
4										
5										
6	Estimated connections installed by year end									
7	(Cumulative)					-	-	-	-	-
8	Estimated connection installed during the year					-	-	-	-	-
9										
10	1/2 Year Convention for Revenue					-	-	-	-	-
11										
12	**Projected Revenue**									
13										
14	Annual gallonage delivered (in 1,000's)*				360,000	-	-	-	-	-
15	Assuming average usage per month of:				30,000					
16	Daily Gallons				986.30	-	-	-	-	-
17	Commecial									
18	Monthly Mins. 2 Inch Meter	$	192.00	Minimum Charge		$ -	$ -	$ -	$ -	$ -
19	For Usage Up to: (Gallons)									
20	7,000	$	2.00	Commodity Rate & Rev	**Tier 1**					
21	14,000	$	3.00	Commodity Rate & Rev	**Tier 2**					
22	Usage over:									
23	14,001	$	4.00	Commodity Rate & Rev	**Tier 3**					
24										
25	Establishment Fees at			$ 30.00 **		$ -	$ -	$ -	$ -	$ -
26	Total Revenue					$ -	$ -	$ -	$ -	$ -
27										
28			986.30	= Gallons per day						
29			30.42	= Days in Average Month						
30			30,000	= Average Usage per month						
31										
32	** Collected at either Water or Wastewater Uitility, but not both.									

Woodruff Water Company
Schedule of Projected Revenues
For the Years Ended
With Additonal Arsenic and Flouride Treatment Expense

Exhibit WWC-1B
Schedule 2a
Page 9
Witness: Kozoman

Line No.				Year 1	Year 2	Year 3	Year 4	Year 5
1								
2								
3								
4								
5								
6								
7	**Projected Revenue**							
8	Customers							
9	Annual gallonage delivered (in 1,000's)*							
10	Annual gallonage delivered (in Acre Feet)*							
11								
12								
13	Charge per Acre Foot	$ -		$ -	$ -	$ -	$ -	$ -
14								
15								
16	Price per 1,000 gallons =	$ -						
17								
18								
19								
20	Establishment Fees at		$ 30.00 **					
21		Total Effluent Revenue		$ -	$ -	$ -	$ -	$ -
22								
23								
24	* If Applicable							
25	** Collected at either Water or Wastewater Uitility, but not both.							
26								
27								

Woodruff Water Company
Schedule for the Computation of Projected
Property Taxes for the Years Ended
With Additonal Arsenic and Flouride Treatment Expense

Exhibit **WWC-1B**
Schedule 2b
Page 1
Witness: Kozoman
Revised

Line No.		Year 1	Year 2	Year 3	Year 4	Year 5
1						
2						
3	Revenue Component 1	$ 102,600	$ 102,600	$ 102,600	$ 378,440	$ 733,145
4	Revenue Component 2	102,600	102,600	378,440	733,145	1,087,729
5	Revenue Component 3	102,600	378,440	733,145	1,087,729	1,433,609
6						
7	Average 3 years of revenue	$ 205,200	$ 389,093	$ 809,456	$ 1,466,209	$ 2,169,655
8	Add:					
9	Construction Work in Progress at 10%	0	0	0	0	0
10	Deduct:					
11	Book Value of Transportation Equipment	13,500	10,500	4,500	4,500	1,500
12						
13	Full Cash Value	$ 191,700	$ 378,593	$ 804,956	$ 1,461,709	$ 2,168,155
14						
15						
16	Times Assessment Ratio	25.00%	25.00%	25.00%	25.00%	25.00%
17						
18	Assessed Value	$ 47,925	$ 94,648	$ 201,239	$ 365,427	$ 542,039
19						
20	Property Tax Rate (Statewide Rate Used)	12.18%	12.18%	12.18%	12.18%	12.18%
21						
22	**Computed Property Tax**	$ 5,837	$ 11,528	$ 24,511	$ 44,509	$ 66,020
23						
24						
25						
26						

Woodruff Water Company
Comparison of Arsenic Costs For Woodruff Water to
Other Water Utilities and Additional Arsenic Treatment Charges

Exhibit WWC-1B
Schedule 2c Revised
Page 1
Witness: Kozoman

Line No.		Estimated Arsenic Treatment Cost	Total Gallons in 1,000's	Treatment Plants	Cost Per 1,000 Gallons
1					
2					
3					
4					
5	Valley Utilites Water Co. (1)			**2**	
6	Valley Utilites Water Co.	$ 135,400		Wells 4,5 & 6	
7	Valley Utilites Water Co.	81,200		Wells 1 & 2	
8	Total Valley Utilites Water Co.	$ 216,600	258,740		$ 0.837
9	Combined Flouride & Arsenic treatment Rounded to				$ 0.95
10					
11	(1) Treatment Charges based Estimate by Narasimhan Consulting Services				
12					
13		Estimated	Total		Cost
14		Arsenic	Gallons		Per
15		Treatment	in		1,000
16		Cost	1,000's	Wells	Gallons
17	Woodruff Water	**(a)**			
18	Year 1	33,300	18,000	1	$ 1.850
19	Year 2	43,335	72,913		$ 0.594
20	Year 3	56,641	149,475		$ 0.379
21	Year 4	69,972	225,038		$ 0.311
22	Year 5	82,918	299,863		$ 0.277
23					
24				40% of	Total
25	**(a)**	1/3 of	50% of	Labor &	Costs for
26		Pumping Power	Supplies	Burden	Arsenic
27	Year 1	$ 2,700	$ 4,000	$ 26,600	$ 33,300
28	Year 2	10,937	5,000	27,398	$ 43,335
29	Year 3	22,421	6,000	28,220	$ 56,641
30	Year 4	33,906	7,000	29,066	$ 69,972
31	Year 5	44,979	8,000	29,938	$ 82,918

Arsenic Treatment Charges based on Valley Utilities Water Company Cost Estimates, Plus
32 Costs for Flouride Treatment:

			Valley Utilities Water Co. Arsenic Cost Estimates and Flouride Treatment Cost Estimates	Arsenic Treatment Costs Using Valley Utilities Water Co. Cost Estimates	Arsenic Treatment Costs Already Included in CC&N Filing	**Additional Arsenic and Flouride Treatment Expenses**
33						
34						
35						
36						
37						
38		Total				
39	Woodruff	Gallons				
40	Water	in				
41	Company	1,000's				
42	Year 1	18,000	$ 0.950	17,100	$ 33,300	$ (16,200)
43	Year 2	72,913	0.950	69,267	43,335	25,932
44	Year 3	149,475	0.950	142,001	56,641	85,360
45	Year 4	225,038	0.950	213,786	69,972	143,814
46	Year 5	299,863	0.950	284,870	82,918	201,952

Woodruff Water Company
Projected Cash Flows
For the Years Ended
With Additonal Arsenic and Flouride Treatment Expense

Exhibit WWC-1B
Schedule 3 **Revised**
Page 1
Witness: Kozoman

Line No.		Year 0	Year 1	Year 2	Year 3	Year 4	Year 5
3	**Cash from Operations**						
4	Beginning Cash Balance	$ -	$ 25,000	$ 46,588	$ 150,558	$ 416,241	$ 842,044
6	Income from Operations (From Income Statement, Schedule 2)		(231,312)	(258,955)	(75,278)	118,709	304,246
7	Add Depreciation expense (From Income Statement, Schedule 2)		177,900	384,286	423,189	449,161	479,619
9	***Total Cash From Operations***	$ -	$ (53,412)	$ 125,331	$ 347,911	$ 567,870	$ 783,865
11	**Cash from Financing**						
13	Deposits (security) collected	$ -	$ -	$ -	$ -	$ -	$ -
14	Long-Term Debt	-	-	-	-	-	-
15	Common Equity	25,000	4,124,900	1,099,500	-	-	-
16	Advances in Aid of Const. (From Schedule 1c)	-	1,306,900	-	-	520,900	455,725
17	Contribution in Aid of Const. (Hook-up Fees)	-	-	-	-	-	-
18	Meter Deposits Collected (From Schedule 1d)	-	120,000	242,000	243,700	242,000	242,000
21	**Total Cash from Financing**	$ 25,000	$ 5,551,800	$ 1,341,500	$ 243,700	$ 762,900	$ 697,725
25	**Uses of Cash:**						
28	Long-term debt Repayment						
29	Advances Refunded (From Schedule 1c)	$ -	$ -	$ 9,360	$ 36,029	$ 71,496	$ 141,546
30	Meter Deposit Refunded (From Schedule 1d)	-	-	12,000	36,200	60,570	84,770
31	Deposit (Security) refunded						
32	Capital Improvements - Plant (From Schedule 1.1)	-	5,476,800	1,341,500	253,700	772,900	707,725
34	**Total Cash Uses**	$ -	$ 5,476,800	$ 1,362,860	$ 325,929	$ 904,966	$ 934,041
36	**Ending Cash Balance (Line3 + 9 + 21 - 34)**	$ 25,000	$ 46,588	$ 150,558	$ 416,241	$ 842,044	$ 1,389,594
39	Interest Income: Assuming Earning Equal to Inflation Factor on Average Cash Balance						
40	Average Cash Balance ((Line 4 + Line 36)/2)	$ 12,500	$ 35,794	$ 98,573	$ 283,400	$ 629,143	$ 1,115,819
41	Interest Earned (Assumed Inflation Rate times Average Bal.	$ 375	$ 1,074	$ 2,957	$ 8,502	$ 18,874	$ 33,475

Woodruff Water Company
REPRESENTATIVE RATE SCHEDULE
With Additonal Arsenic and Flouride Treatment Expense

Exhibit WWC-1B
Schedule 4
Page 1
Witness: Kozoman

LINE NO.				PROPOSED RATES
1	METER SIZE			MONTHLY CHARGE
2				
3	MONTHLY MINIMUMS:			
4	5/8 x 3/4 And			$ 24.00
5	3/4			$ 24.00
6	1			$ 60.00
7	1 1/2			$ 120.00
8	2			$ 192.00
9	3			$ 384.00
10	4			$ 600.00
11	6			$ 1,200.00
12	8			$ 1,920.00
13	10			$ 2,760.00
14	12			$ 5,160.00
15				
16	COMMODITY RATES / ALL METERS			
17	Usage	Usage	**5/8 & 3/4 Inch Meters**	
18	From	To		
19	-	7,000		$ 2.00
20	7,001	14,000		$ 3.00
21	14,001	Infinity		$ 4.00
22				
23	Usage	Usage	**1 Inch Meters**	
24	From	To		
25	-	7,000		$ 2.00
26	7,001	35,000		$ 3.00
27	35,001	Infinity		$ 4.00
28				
29	Usage	Usage	**1 1/2 Inch Meters**	
30	From	To		
31	-	7,000		$ 2.00
32	7,001	70,000		$ 3.00
33	70,001	Infinity		$ 4.00
34				
35	Usage	Usage	**2 Inch Meters**	
36	From	To		
37	-	7,000		$ 2.00
38	7,001	112,000		$ 3.00
39	112,001	Infinity		$ 4.00
40				
41	**COMMODITY RATES / SCHOOL**			
42	Usage	Usage	**2 Inch Meters**	
43	From	To		
44	0	100,000		$ 2.00
45	100,001	500,000		$ 3.00
46	500,001	Infinity		$ 4.00
47				

Woodruff Water Company
REPRESENTATIVE RATE SCHEDULE

Exhibit
Schedule 4
Page 2
Witness: Kozoman

LINE NO.				PROPOSED RATES	
1	Usage	Usage	**3 Inch Meters**		
2	From	To			
3	-	7,000		$	2.00
4	7,001	224,000		$	3.00
5	224,001	Infinity		$	4.00
6					
7	Usage	Usage	**4 Inch Meters**		
8	From	To			
9	-	7,000		$	2.00
10	7,001	350,000		$	3.00
11	350,001	Infinity		$	4.00
12					
13	Usage	Usage	**6 Inch Meters**		
14	From	To			
15	-	7,000		$	2.00
16	7,001	700,000		$	3.00
17	700,001	Infinity		$	4.00
18					
19	Usage	Usage	**8 Inch Meters**		
20	From	To			
21	-	7,000		$	2.00
22	7,001	1,120,000		$	3.00
23	1,120,001	Infinity		$	4.00
24					
25	Usage	Usage	**10 Inch Meters**		
26	From	To			
27	-	7,000		$	2.00
28	7,001	1,610,000		$	3.00
29	1,610,001	Infinity		$	4.00
30					
31	Usage	Usage	**12 Inch Meters**		
32	From	To			
33	-	7,000		$	2.00
34	7,001	3,010,000		$	3.00
35	3,010,001	Infinity		$	4.00

Woodruff Water Company
REPRESENTATIVE RATE SCHEDULES
STATEMENT OF CHARGES
With Additonal Arsenic and Flouride Treatment Expense

Exhibit WWC-1B
Schedule 5
Page 1
Witness: Kozoman

LINE NO.			Proposed
1	A. Establishment of Service		$ 30.00
2	Establishment of Service, after hours		$ 50.00
3			
4	B. Re-establishment of Service		see **(a)**
5	C. Reconnection of service		$ 50.00
6	D. After hours service charge, per hour		$ 50.00
7	E. Minimum Deposit	Two Times Monthly Bill	
8	F. Charge for NSF Check		$ 35.00
9	G. Late payment charge for delinquent bills		
10	H. Deferred Payment Finance Charge		1.50%
11	I. Main Extension and additional facilities agreements,		@ COST **(b)**
12	J. All Revenue related taxes will be charged customers.		
13	K. Meter Test (If Meter is reading correctly)		$ 30.00
14	I. Meter Re-Read		$ 30.00
15	M. Deferred Payment		1.50% Per Month
16	N. Late Payment		1.50% Per Month
17			
18	Meter and Service Line Installation **(c)**		
19	5/8 x 3/4 inch		$ 400.00
20	3/4 inch		$ 440.00
21	1 inch		$ 500.00
22	1 1/2 inch		$ 715.00
23	2 Inch - Turbo		$ 1,170.00
24	2 inch - Compound		$ 1,700.00
25	3 inch - Turbo		$ 1,585.00
26	3 Inch - Compound		$ 2,190.00
27	4 Inch - Turbo		$ 2,540.00
28	4 inch - Compound		$ 3,215.00
29	6 Inch - Turbo		$ 4,815.00
30	6 inch - Compound		$ 6,270.00
31	RULES AND REGULATIONS		
32	* The Company has adopted the Rules and Regulation established by the Commission		
33	as the basis for its operating procedures. Arizona Corporation Commission Rules		
34	will be controlling of Company procedures, unless specific Commission Orders		
35	provide otherwise.		
36	**(a)** Monthly minimum times months off the system		
37	**(b)** Cost to include parts, labor, overhead, and all applicable taxes, including		
38	income tax.		
39	**(c)** Plus income tax, as meter and service lines to single customer are taxable by IRS		
40	Codes. Income tax will be refunded along with meter and service line charge over		
41	term of refund period.		

Rate Base– Revised

June 24, 2005

Additional Arsenic & Fluoride Treatment Expense

Exhibit No. WWC 1B

Woodruff Water Company
Rate Base
With Additonal Arsenic and Flouride Treatment Expense

Exhibit WWC-1B
Schedule **Revised**
Witness: Kozoman

Line No.		Year 1	Year 2	Year 3	Year 4	Year 5
1						
2						
3						
4	Plant In-Service	$ 5,476,800	$ 6,818,300	$ 7,072,000	$ 7,844,900	$ 8,552,625
5	Less: Accumulated Depreciation	177,900	562,186	985,375	1,434,536	1,914,155
6						
7	Net Plant In-Service	$ 5,298,900	$ 6,256,114	$ 6,086,625	$ 6,410,364	$ 6,638,470
8						
9	Less:					
10	Refundable Meter Deposits	$ 120,000	$ 350,000	$ 557,500	$ 738,930	$ 896,160
11	AIAC Net	1,306,900	1,297,540	1,261,511	1,710,915	2,025,094
12	CIAC Net	-	-	-	-	-
13	Plus:					
14	Cash Working Capital	18,138	27,591	39,848	51,999	64,074
15						
16						
17	Rate Base at Original Cost	$ 3,890,138	$ 4,636,166	$ 4,307,463	$ 4,012,519	$ 3,781,290
18						
19						
20	Operating Income	$ (231,687)	$ (260,029)	$ (78,235)	$ 110,207	$ 285,372
21						
22	Rate of Return	-5.96%	-5.61%	-1.82%	2.75%	7.55%

Working Capital – Revised

June 24, 2005

Additional Arsenic & Fluoride Treatment Expense

Exhibit No. WWC 1B

Woodruff Water Company
Working Capital
Projected Years Ended
With Additonal Arsenic and Flouride Treatment Expense

Exhibit WWC-1B
Schedule **Revised**
Witness: Kozoman

Line No.		Year 1	2	3	4	5
1						
2						
3	Cash Working Capital (1/8 of Allowance					
4	Operation and Maintenance Expense)	17,800	26,224	37,046	47,761	58,451
5	Pumping Power (1/24 of Pumping Power)	338	1,367	2,803	4,238	5,622
6	Material and Supplies Inventories					
7	Prepayments					
8						
9						
10	Total Working Capital Allowance	18,138	27,591	39,848	51,999	64,074
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						

COPY

NEW APPLICATION

Woodruff Utility Company
2555 E. Camelback Road, Suite 700
Phoenix, AZ 85016

June 8, 2004

Arizona Corporation Commission
DOCKETED

JUN 1 0 2004

DOCKETED BY

RECEIVED
2004 JUN 10 P 4: 37
AZ CORP COMMISSION
DOCUMENT CONTROL

Docket Control
Arizona Corporation Commission
1200 W. Washington Street
Phoenix, AZ 85004

SW-04265A-04-0439

To Whom It May Concern:

Attached is an application by Woodruff Utility Company for a new sewer certificate of convenience and necessity (CC&N). Woodruff Utility Company was formed to provide sewer service to a 9000 unit development that will be developed in the area that is located just west of the City of Coolidge, which is more particularly described in Attachment B. The sewer CC&N is required at this time to enable the company to serve the development. Given the demand for sewer, it serves the public interest for the commission to grant a sewer CC&N to Woodruff Utility Company.

An estimate of cost of the first phase of the wastewater treatment plant that was prepared by LJ Farrington Engineers, Inc. is attached as Exhibit C-4.

Notice of this application was given to all property owners and copies of notices are attached as Exhibit E. In addition, we have attached an index of materials submitted with this application for your reference on the following page.

Sincerely,

Karl Polen
Vice President

Enclosures

WWC-2
Admitted

Index to Application for
New Sewer Certificate of Convenience & Necessity
Woodruff Utility Company

Attachment A:	Docket control cover letter, docket control cover sheet application, pages 1-8.
Attachment B:	Detailed map of area requested.
Attachment B-1:	Meets and bounds survey or cadastral description.
Attachment C:	Pro forma balance sheets - financial information.
Attachment C- 2:	Income statement, operating revenue and expenses.
Attachment C-3:	Itemized list of major plant components.
Attachment C-4:	Plant and service.
Attachment D:	Sewer tariff schedule.
Attachment E:	Public notices.
Attachment F:	Certificate of good standing.
Attachment G:	Articles of incorporation, Woodruff Utility Company.
Attachment H.	By-laws, Woodruff Utility Company.
Attachment I.	Franchise
Attachment J.	Approval to construct.
Attachment K	Estimated property taxes.
Attachment L	CAAG 208 Amendment

Woodruff Utility Company

DETAILED **Index of Schedules** C & D

ACC Forms	Number of Page	Page Number	
	2 Pages	1 & 2	Balance Sheet, Attachment C
	1 Page	Unnumbered	Income Statement, Attachment CS-2
	5 Pages	1 thru 5	Plant Cost, Attachment CS-4
	1 Page	Unnumbered	Tariff Attachment D

Schedules for Staff	Page(s)	BEHIND TARIFF ATTACHMENT D	
1	1		Balance Sheet
1a	Summary	Summary Page	Summary of Plant Additions by Year
1a	5 Pages	1 thru 5	Plant and Depreciation, 5 Pages
1b	1 Page		Financing of Plant & Operating Losses
1c	1 Page		Advances and Refunds
1d	1 Page		Meter Deposits and Refunds (If Applicable)
1e	1 Page		Contributions in Aid of Construction
2	1 Page	1	Income Statement
2a	1 Page	1	Projected Revenues all customers
2a	1 Page	2	Customer Counts all customers
2a	1 Page	3	Gallons Treated or Sold, all customers
2a	1 Page	4	Projected Revenues, customers, gallons for 5/8 Inch residential class
2a	1 Page	5	Projected Revenues, customers, gallons for School
2a	1 Page	6	Projected Revenues, customers, gallons 5/8 Inch commercial class
2a	1 Page	7	Projected Revenues, customers, gallons 1 Inch commercial class
2a	1 Page	8	Projected Revenues, customers, gallons 2 Inch commercial class
2a	1 Page	9	Effluent, (If Applicable)
2b	1 Page	1	Property Taxes
3	1 Page	1	Projected Cash Flow
4	1 Page	1	Proposed Rates
5	1 Page	1	Service Charges
1	1 Page	Unnumbered	Projected Rate Base and Projected Rate of Return **(Not for Filing)**
1	1 Page	Unnumbered	Projected Working Capital for Rate Base **(Not for Filing)**

Index to Application for
New Sewer Certificate of Convenience & Necessity
Woodruff Utility Company

Attachment A:	Docket control cover letter, docket control cover sheet application, pages 1-8.
Attachment B:	Detailed map of area requested.
Attachment B-1:	Meets and bounds survey or cadastral description.
Attachment C:	Pro forma balance sheets - financial information.
Attachment C- 2:	Income statement, operating revenue and expenses.
Attachment C-3:	Itemized list of major plant components.
Attachment C-4:	Plant and service.
Attachment D:	Sewer tariff schedule.
Attachment E:	Public notices.
Attachment F:	Certificate of good standing.
Attachment G:	Articles of incorporation, Woodruff Utility Company.
Attachment H.	By-laws, Woodruff Utility Company.
Attachment I.	Franchise
Attachment J.	Approval to construct.
Attachment K	Estimated property taxes.
Attachment L	CAAG 208 Amendment

Woodruff Utility Company

DETAILED **Index of Schedules** C & D

ACC Forms	Number of Page	Page Number	
	2 Pages	1 & 2	Balance Sheet, Attachment C
	1 Page	Unnumbered	Income Statement, Attachment CS-2
	5 Pages	1 thru 5	Plant Cost, Attachment CS-4
	1 Page	Unnumbered	Tariff Attachment D

Schedules for Staff	Page(s)	BEHIND TARIFF ATTACHMENT D	
1	1		Balance Sheet
1a	Summary	Summary Page	Summary of Plant Additions by Year
1a	5 Pages	1 thru 5	Plant and Depreciation, 5 Pages
1b	1 Page		Financing of Plant & Operating Losses
1c	1 Page		Advances and Refunds
1d	1 Page		Meter Deposits and Refunds (If Applicable)
1e	1 Page		Contributions in Aid of Construction
2	1 Page	1	Income Statement
2a	1 Page	1	Projected Revenues all customers
2a	1 Page	2	Customer Counts all customers
2a	1 Page	3	Gallons Treated or Sold, all customers
2a	1 Page	4	Projected Revenues, customers, gallons for 5/8 Inch residential class
2a	1 Page	5	Projected Revenues, customers, gallons for School
2a	1 Page	6	Projected Revenues, customers, gallons 5/8 Inch commercial class
2a	1 Page	7	Projected Revenues, customers, gallons 1 Inch commercial class
2a	1 Page	8	Projected Revenues, customers, gallons 2 Inch commercial class
2a	1 Page	9	Effluent, (If Applicable)
2b	1 Page	1	Property Taxes
3	1 Page	1	Projected Cash Flow
4	1 Page	1	Proposed Rates
5	1 Page	1	Service Charges
1	1 Page	Unnumbered	Projected Rate Base and Projected Rate of Return **(Not for Filing)**
1	1 Page	Unnumbered	Projected Working Capital for Rate Base **(Not for Filing)**

A

Woodruff Utility Company
2555 E. Camelback Road, Suite 700
Phoenix, AZ 85016

June 8, 2004

Docket Control
Arizona Corporation Commission
1200 W. Washington Street
Phoenix, AZ 85004

To Whom It May Concern:

Attached is an application by Woodruff Utility Company for a new sewer certificate of convenience and necessity (CC&N). Woodruff Utility Company was formed to provide sewer service to a 9000 unit development that will be developed in the area that is located just west of the City of Coolidge, which is more particularly described in Attachment B. The sewer CC&N is required at this time to enable the company to serve the development. Given the demand for sewer, it serves the public interest for the commission to grant a sewer CC&N to Woodruff Utility Company.

An estimate of cost of the first phase of the wastewater treatment plant that was prepared by LJ Farrington Engineers, Inc. is attached as Exhibit C-4.

Notice of this application was given to all property owners and copies of notices are attached as Exhibit E. In addition, we have attached an index of materials submitted with this application for your reference on the following page.

Sincerely,

Karl Polen
Vice President

Enclosures

Index to Application for
New Sewer Certificate of Convenience & Necessity
Woodruff Utility Company

Attachment A:	Docket control cover letter, docket control cover sheet application, pages 1-8.
Attachment B:	Detailed map of area requested.
Attachment B-1:	Meets and bounds survey or cadastral description.
Attachment C:	Pro forma balance sheets - financial information.
Attachment C- 2:	Income statement, operating revenue and expenses.
Attachment C-3:	Itemized list of major plant components.
Attachment C-4:	Plant and service.
Attachment D:	Sewer tariff schedule.
Attachment E:	Public notices.
Attachment F:	Certificate of good standing.
Attachment G:	Articles of incorporation, Woodruff Utility Company.
Attachment H.	By-laws, Woodruff Utility Company.
Attachment I.	Franchise
Attachment J.	Approval to construct.
Attachment K	Estimated property taxes.
Attachment L	CAAG 208 Amendment

Woodruff Utility Company

DETAILED **Index of Schedules** C & D

ACC Forms	Number of Page	Page Number	
	2 Pages	1 & 2	Balance Sheet, Attachment C
	1 Page	Unnumbered	Income Statement, Attachment CS-2
	5 Pages	1 thru 5	Plant Cost, Attachment CS-4
	1 Page	Unnumbered	Tariff Attachment D

Schedules for Staff	Page(s)	BEHIND TARIFF ATTACHMENT D	
1	1		Balance Sheet
1a	Summary	Summary Page	Summary of Plant Additions by Year
1a	5 Pages	1 thru 5	Plant and Depreciation, 5 Pages
1b	1 Page		Financing of Plant & Operating Losses
1c	1 Page		Advances and Refunds
1d	1 Page		Meter Deposits and Refunds (If Applicable)
1e	1 Page		Contributions in Aid of Construction
2	1 Page	1	Income Statement
2a	1 Page	1	Projected Revenues all customers
2a	1 Page	2	Customer Counts all customers
2a	1 Page	3	Gallons Treated or Sold, all customers
2a	1 Page	4	Projected Revenues, customers, gallons for 5/8 Inch residential class
2a	1 Page	5	Projected Revenues, customers, gallons for School
2a	1 Page	6	Projected Revenues, customers, gallons 5/8 Inch commercial class
2a	1 Page	7	Projected Revenues, customers, gallons 1 Inch commercial class
2a	1 Page	8	Projected Revenues, customers, gallons 2 Inch commercial class
2a	1 Page	9	Effluent, (If Applicable)
2b	1 Page	1	Property Taxes
3	1 Page	1	Projected Cash Flow
4	1 Page	1	Proposed Rates
5	1 Page	1	Service Charges
1	1 Page	Unnumbered	Projected Rate Base and Projected Rate of Return **(Not for Filing)**
1	1 Page	Unnumbered	Projected Working Capital for Rate Base **(Not for Filing)**

Cover Sheet

Do Not Use This Space
Official Use Only

Do Not Use This Space
Official Use Only

COMPANY NAME: WOODRUFF UTILITY COMPANY, Inc
DBA (if applicable): _____
DOCKET NUMBER(s): _____

INSTRUCTIONS: Please choose the item that best describes the nature of the case/filing.

UTILITIES – NEW APPLICATION

- √ New CC&N
- ____ Extension of CC&N
- ____ Deletion of CC&N
- ____ Cancellation of CC&N
- ____ Tariff (NEW)
- ____ Miscellaneous - Specify: _____
- ____ Interconnection Agreement
- ____ Rates
- ____ Financing
- ____ Formal Complaint

UTILITIES – REVISIONS/AMENDMENTS/COMPLIANCE

Application
- Decision No: _____
- Docket No: _____

Tariff
- Promotional: _____
- Compliance: _____

MISCELLANEOUS FILINGS

- ____ Affidavit (Publication, Public Notice)
- ____ Request/Motion
- ____ Comments
- ____ Exception
- ____ Exhibit(s)
- ____ Miscellaneous - Specify: _____
- ____ Motion to Intervene
- ____ Notice of Errata
- ____ Testimony
- ____ Response / Reply
- ____ Witness List

June 8, 2004
Date

Karl L. Polen Jr.
(i.e. Contact Person, Respondent, Attorney, Applicant, etc.)

Revised 12/21/03

Cover Sheet

Do Not Use This Space
Official Use Only

Do Not Use This Space
Official Use Only

COMPANY NAME: WOODRUFF UTILITY COMPANY, Inc
DBA (if applicable): _____
DOCKET NUMBER(s): _____

INSTRUCTIONS: Please choose the item that best describes the nature of the case/filing.

UTILITIES – NEW APPLICATION

- √ New CC&N
- ____ Extension of CC&N
- ____ Deletion of CC&N
- ____ Cancellation of CC&N
- ____ Tariff (NEW)
- ____ Miscellaneous - Specify: _____
- ____ Interconnection Agreement
- ____ Rates
- ____ Financing
- ____ Formal Complaint

UTILITIES – REVISIONS/AMENDMENTS/COMPLIANCE

Application
- Decision No: _____
- Docket No: _____

Tariff
- Promotional: _____
- Compliance: _____

MISCELLANEOUS FILINGS

- ____ Affidavit (Publication, Public Notice)
- ____ Request/Motion
- ____ Comments
- ____ Exception
- ____ Exhibit(s)
- ____ Miscellaneous - Specify: _____
- ____ Motion to Intervene
- ____ Notice of Errata
- ____ Testimony
- ____ Response / Reply
- ____ Witness List

5/20/2004
Date

Karl L. Polen Jr.
(i.e. Contact Person, Respondent, Attorney, Applicant, etc.)

Revised 12/21/03

ARIZONA CORPORATION COMMISSION

APPLICATION FOR A CERTIFICATE OF CONVENIENCE AND NECESSITY

WATER AND/OR SEWER

A. The name, address and telephone number of the Applicant (Company) is:

Woodruff Utility Company, Inc.

2555 E. Camelback Road, Suite 700

Phoenix, AZ 85016 Telephone: 602-956-7200

B. If doing business (d.b.a.) under a name other than the Applicant (Company) name listed above, specify:

N/A

C. List the name, address and telephone number of the management contact:

Karl Polen, Jr.

2555 E. Camelback Road, Suite 700

Phoenix, AZ 85016 Telephone: 602-956-7200

D. List the name, address and telephone number of the attorney for the Applicant:

Norman James C/O Fennemore Craig

3003 N Central Ave., Suite 2600

Phoenix, AZ 85012 602-916-5000

E. List the name, address and telephone number of the operator certified by the Arizona Department of Environmental Quality:

To be late filed - October 2006

F. List the name, address and telephone number of the on-site manager of the utility:

To be late filed, October 2006

G. The Applicant is a:

X Corporation: X "C", ____ "S", ____ Non-Profit X Arizona, ____ Foreign	____Partnership ____Limited, ____ General ____ Arizona, ____ Foreign
____ Sole Proprietorship	____ Limited Liability Company (LLC)
____ Other (Specify)	

H. If Applicant is a corporation:

1. List names of Officers and Directors:

Officers	Directors
Karl Polen, Jr.	Karl Polen, Jr.

X 2. Attach a copy of the corporation's "Certificate of Good Standing" issued by the Corporation's Division of the Arizona Corporation Commission. - Attachment "F"

X 3. Attach a copy of the Articles of Incorporation. Attachment "G"

X 4. Attach a copy of the corporation's By-Laws. To be late filed - Attachment "H"

N/A 5. If a for-profit corporation, indicate the number of shares of stock authorized for issue:

6. If stock has been issued, indicate the number of shares issued and date of issue:

100,000 shares, April 2004

H. If the Applicant is a partnership:

1. List the names of the general partners:

N/A

2. List the name, address and telephone number of the managing partners:

N/A

3. Attach a copy of the Partnership's Articles of Partnership.

- If the Applicant is a foreign limited partnership, provide a copy of the Partnership's "Certificate of Registration" filed with the Arizona Secretary of State.

J. If the Applicant is a sole proprietor, list the name, address and telephone number of the proprietor:

N/A

K. If the Applicant is a Limited Liability Company:

1. List the names of managers:

L. List the names and addresses of any other public utility interest, which the applicant may have:

Woodruff Water Company, Inc. - New CCN Application in Process

x M. Attach a description of the area requested using **CADASTRAL** (quarter section description) or **Metes and Bounds** survey. References to parcels and dockets will not be accepted. Attachment "B-1

x N. Attach a detailed map using the form provided as Attachment "B". Shade and outline the area requested. Also, indicate any other utility within the general area using different colors.
No other Utilities within the general area

x O. Attach financial information in a format similar to Attachment "C".

P. Explain the method of financing utility facilities. Refer to the instructions, item no. 7. (Use additional sheets if necessary):

Equity

Q. Estimated starting and completion dates of construction of utility facilities:

Starting date October 2005 Completion November 2006

x R. Attach proposed Tariffs using either the water or sewer format of Attachment "D", unless the Utilities Division, prior to the filing of this application, approves another form.

S. Attach the following permits:

x 1. The franchise from either the City or County for the area requested. Attachment " I " To be late Filed - Nov 2004

2. The Arizona Department of Environmental Quality (or its designee's) approval to construct facilities. Attachment " J " To be Late Filed - October 2005

3. The Arizona State Land Department approval. (If you are including any State land in your requested area this approval is needed.) N/A

4. Any U.S. Forest Service approval. (If you are including any U.S. Forest Service land in your requested area this approval is needed.) N/A

5. (WATER ONLY) If the area requested is within an Active Management Area, attach a copy of the utility's Designation of an Assured Water Supply, or the developer's Certificate of Assured Water Supply issued by the Arizona Department of Water Resources, whichever applies.
   - If the area requested is outside an Active Management Area, attach the developer's Adequacy Statement issued by the Arizona Department of Water Resources, if applied for by the developer.
   - If the area requested is outside an Active Management Area and the developer does not obtain an Adequacy Statement, provide sufficient detail to prove that adequate water exists to provide water to the area requested.

x 6. Provide a copy of your estimated property taxes. This may be obtained by contacting the Arizona Department of Revenue, Division of Property Valuation and Equalization. You must provide them with a five (5) year projection of the original cost of the plant, depreciation expense, the location of the property and the school district. Attachment " K "

T. Provide the following information:

1. Indicate the estimated number of customers, by class, to be served in each of the first five years of operation:

Residential:

First Year 300 Second Year 900 Third Year 1500 Fourth Year 2100

Fifth Year 2700

Commercial:

First Year 0 Second Year 5 Third Year 11 Fourth Year 16

Fifth Year 21

Industrial:

First Year 0 Second Year 0 Third Year 0 Fourth Year 0

Fifth Year 0

Irrigation:

First Year 1 Second Year 1 Third Year 1 Fourth Year 1
Fifth Year 1

2. Indicate the projected annual water consumption or sewerage treatment, in gallons, for each of the customer classes for each of the first five years of operation:

Residential:

First Year 10,800,000 Second Year 43,200,000 Third Year 86,400,000 Fourth Year 129,600,000

Fifth Year 172,800,000

Commercial:

First Year 0 Second Year 912,500 Third Year 4,537,500 Fourth Year 8,162,500

Fifth Year 9,987,500

Industrial:

First Year 0 Second Year 0 Third Year 0 Fourth Year 0

Fifth Year 0

Irrigation:

First Year 10,800 Second Year 45,025 Third Year 95,475 Fourth Year 145,925

Fifth Year 192,775

3. Indicate the total estimated annual operating revenue for each of the first five years of operation:

Residential:

First Year 102,600 Second Year 392,400 Third Year 766,800

Fourth Year 1,141,200 Fifth Year 1,515,600

Commercial:

First Year 0 Second Year 1,860 Third Year 7,536

Fourth Year 13,092 Fifth Year 16,212

Industrial:

First Year 0 Second Year 0 Third Year 0

Fourth Year 0 Fifth Year 0

Irrigation:

First Year 10,003 Second Year 41,453 Third Year 87,901

Fourth Year 134,348 Fifth Year 177,481

4. Indicate the total estimated annual operating expenses for each of the first five years of operation:

Residential:

First Year 249,751 Second Year 448,046 Third Year 645,658

Fourth Year 988,151 Fifth Year 1,249,321

Commercial:

First Year 0 Second Year 9,464 Third Year 33,908

Fourth Year 62,236 Fifth Year 72,208

Industrial:

First Year 0 Second Year 0 Third Year 0

Fourth Year 0 Fifth Year 0

Irrigation:

First Year 0 Second Year 0 Third Year 0

Fourth Year 0 Fifth Year 0

5. Attach an itemized list of the major components of the water or sewer system (see Attachment C-3).

6. Indicate the total estimated cost to construct utility facilities:

$14,668,280

(Signature of Authorized Representative)

KARL POLAN

(Type or Print Name Here)

VICE PRESIDENT

(Title)

SUBSCRIBED AND SWORN to before me this 8th day of June, 2004

Jackie A. Reed

NOTARY PUBLIC

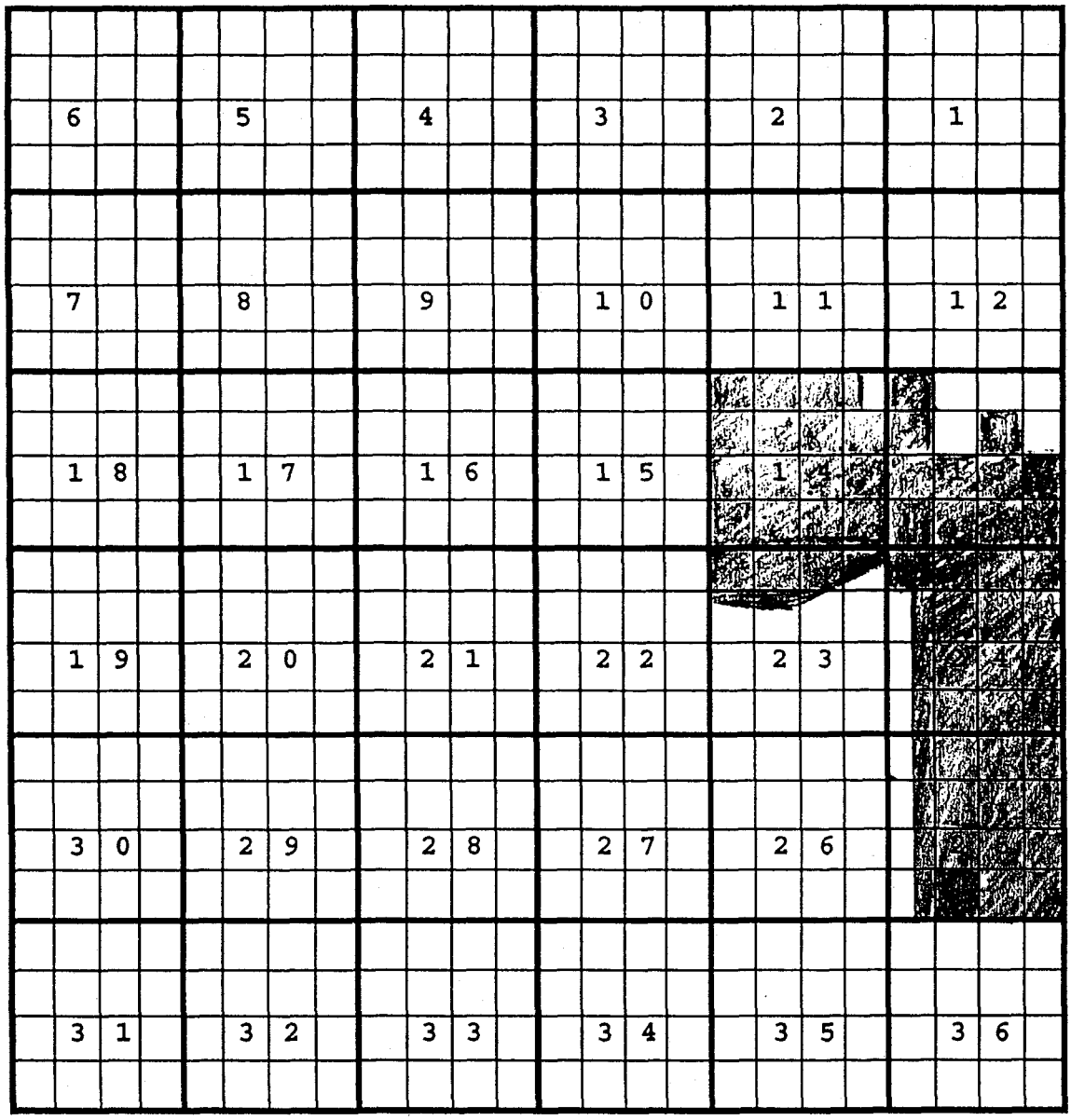
My Commission Expires 6-15-07

OFFICIAL SEAL
JACKIE A. REED
NOTARY PUBLIC - ARIZONA
MARICOPA COUNTY
My Comm. Expires June 15, 2007

B

ATTACHMENT "B"

COUNTY	SECTION	TOWNSHIP	RANGE
Pinal County West of Coolidge	Sections 13, 14, 23, 24, 25	Township 5 South	Range 7 East



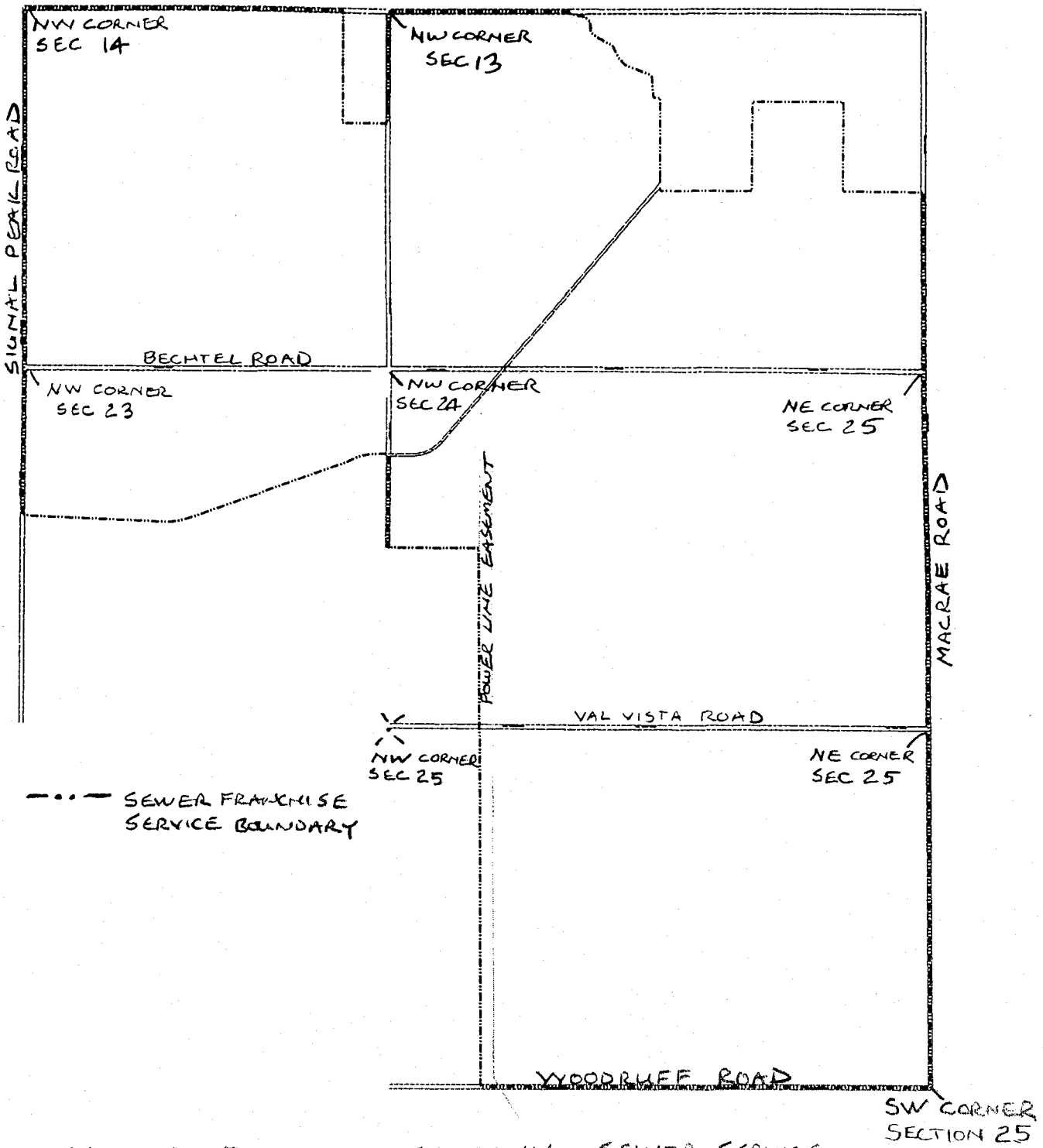
Type or Print Description Here:

Woodruff Utility Company - Sewer Service Franchise Area -

ATTACHMENT "B"

PINAL COUNTY
WEST OF COOLIDGE

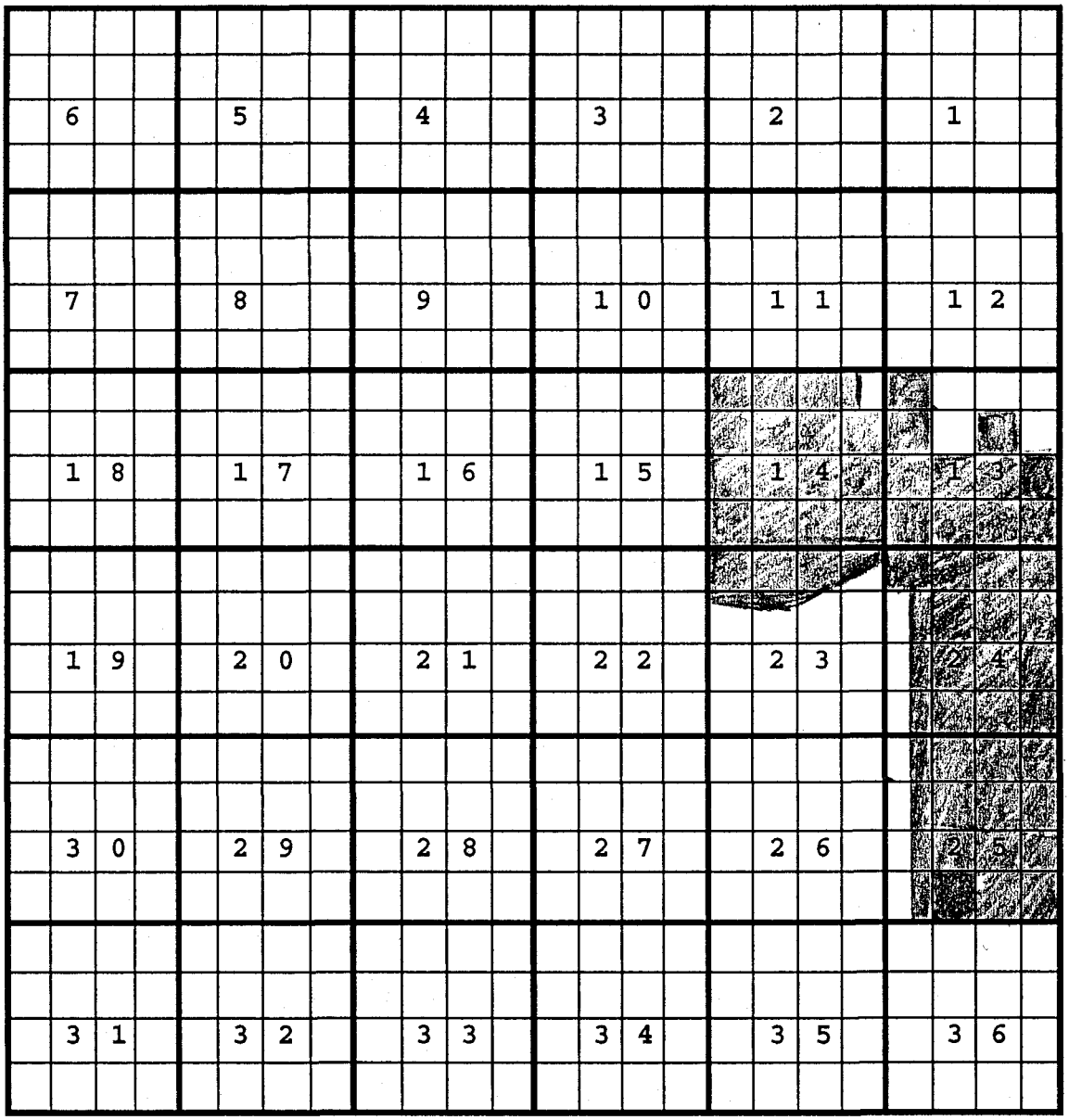
SECTIONS 13, 14, 23, 24, 25
TOWNSHIP 5 SOUTH
RANGE 7 EAST



WOODRUFF UTILITY COMPANY - SEWER SERVICE FRANCHISE AREA

ATTACHMENT "B"

COUNTY	SECTION	TOWNSHIP	RANGE
Pinal County West of Coolidge	Sections 13, 14, 23, 24, 25	Township 5 South	Range 7 East



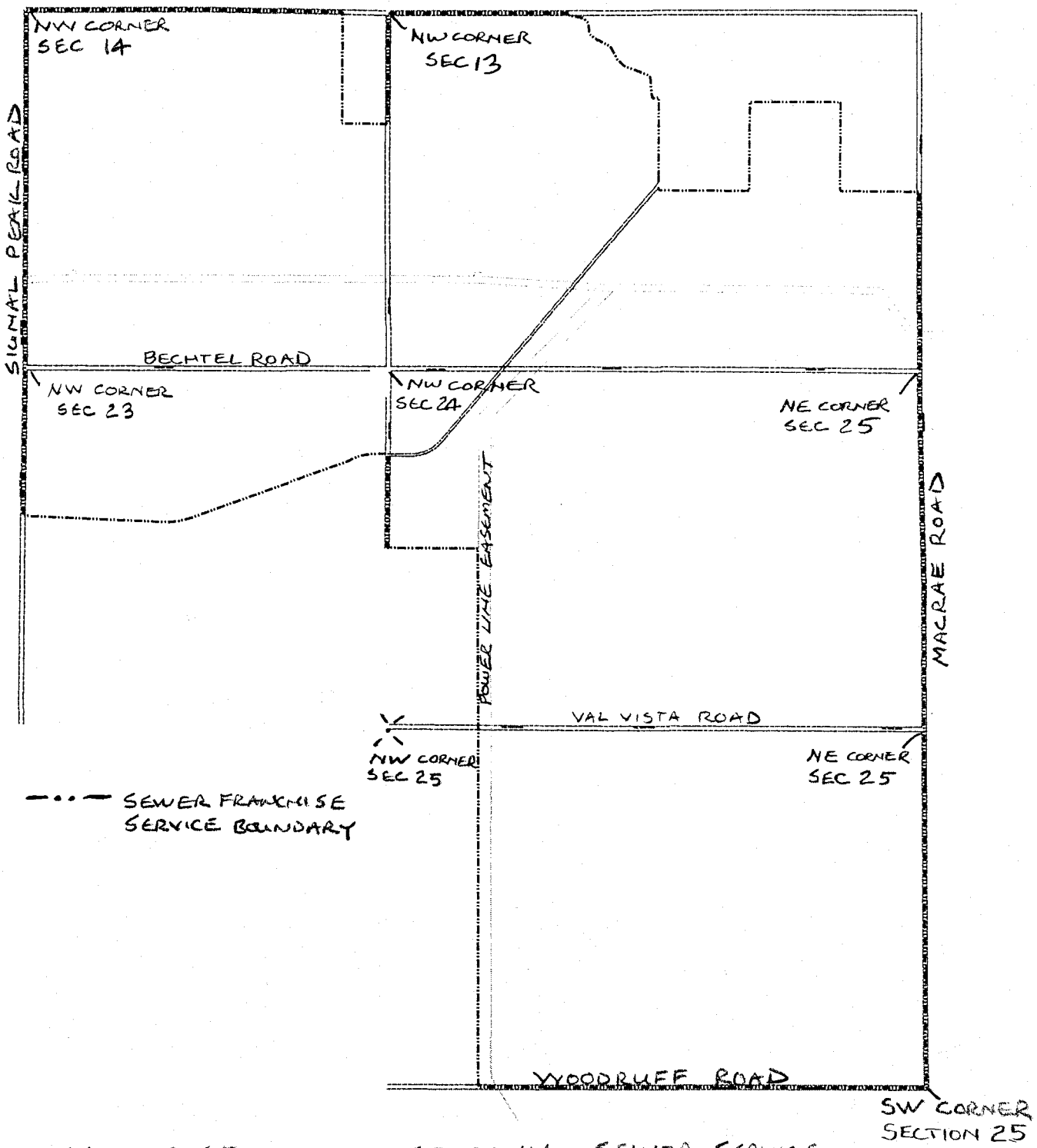
Type or Print Description Here:

Woodruff Utility Company - Sewer Service Franchise Area -

ATTACHMENT "B"

PINAL COUNTY
WEST OF COOLIDGE

SECTIONS 13, 14, 23, 24, 25
TOWNSHIP 5 SOUTH
RANGE 7 EAST



WOODRUFF UTILITY COMPANY - SEWER SERVICE FRANCHISE AREA

ATTACHMENT "B"

COUNTY	SECTION	TOWNSHIP	RANGE

6			5			4			3			2			1		
7			8			9			1	0		1	1		1	2	
1	8		1	7		1	6		1	5		1	4		1	3	
1	9		2	0		2	1		2	2		2	3		2	4	
3	0		2	9		2	8		2	7		2	6		2	5	
3	1		3	2		3	3		3	4		3	5		3	6	

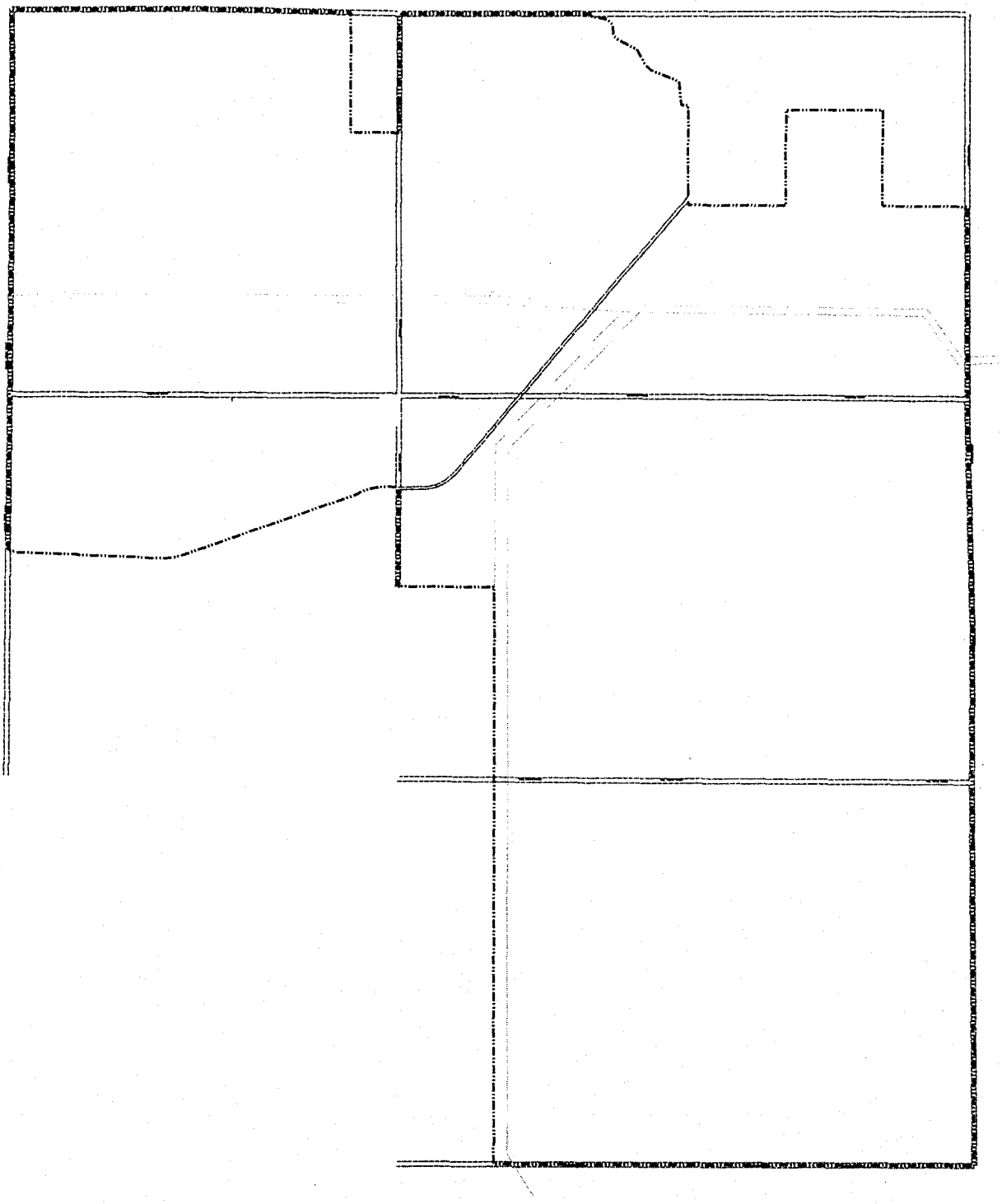
Type or Print Description Here:

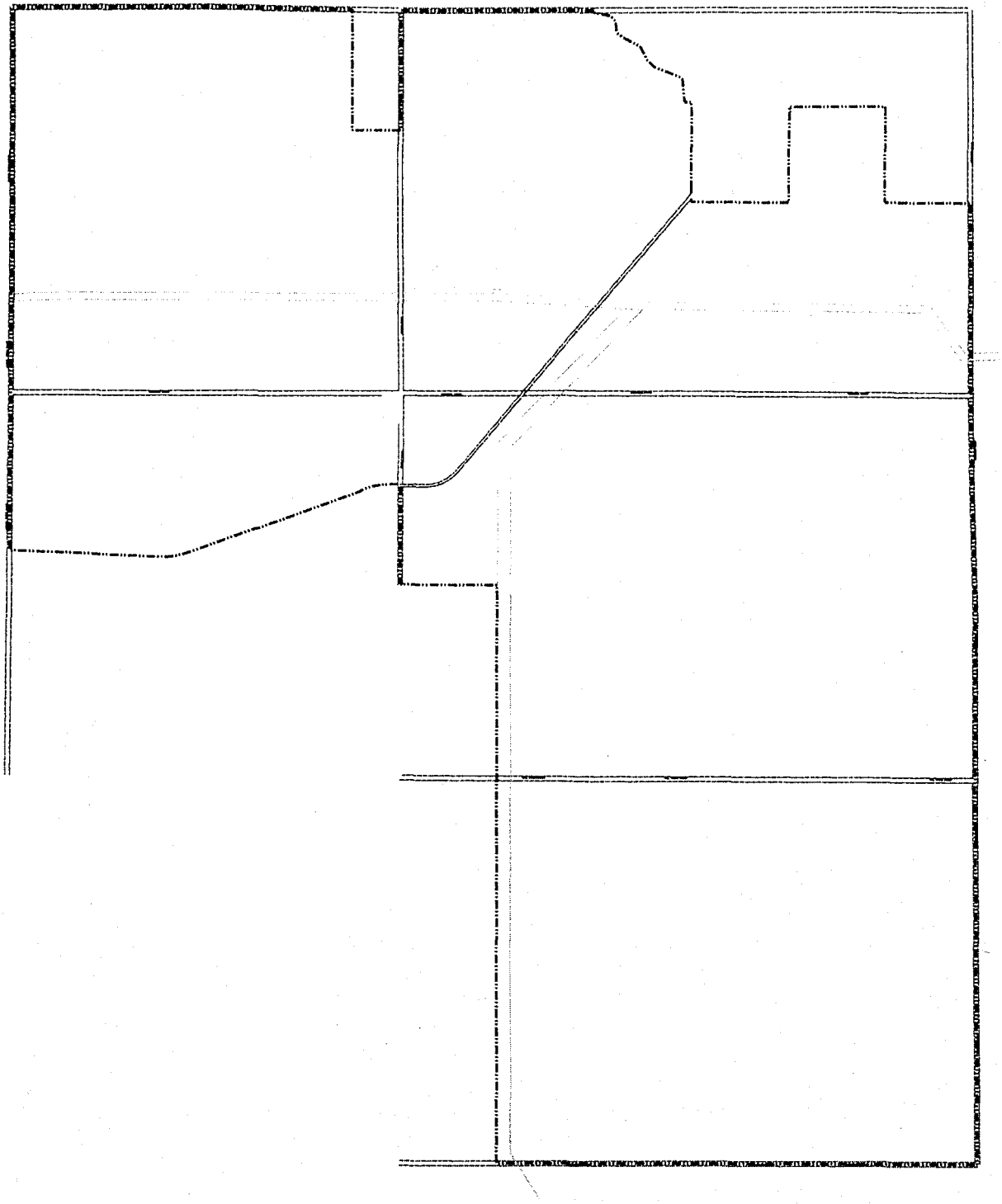
_____

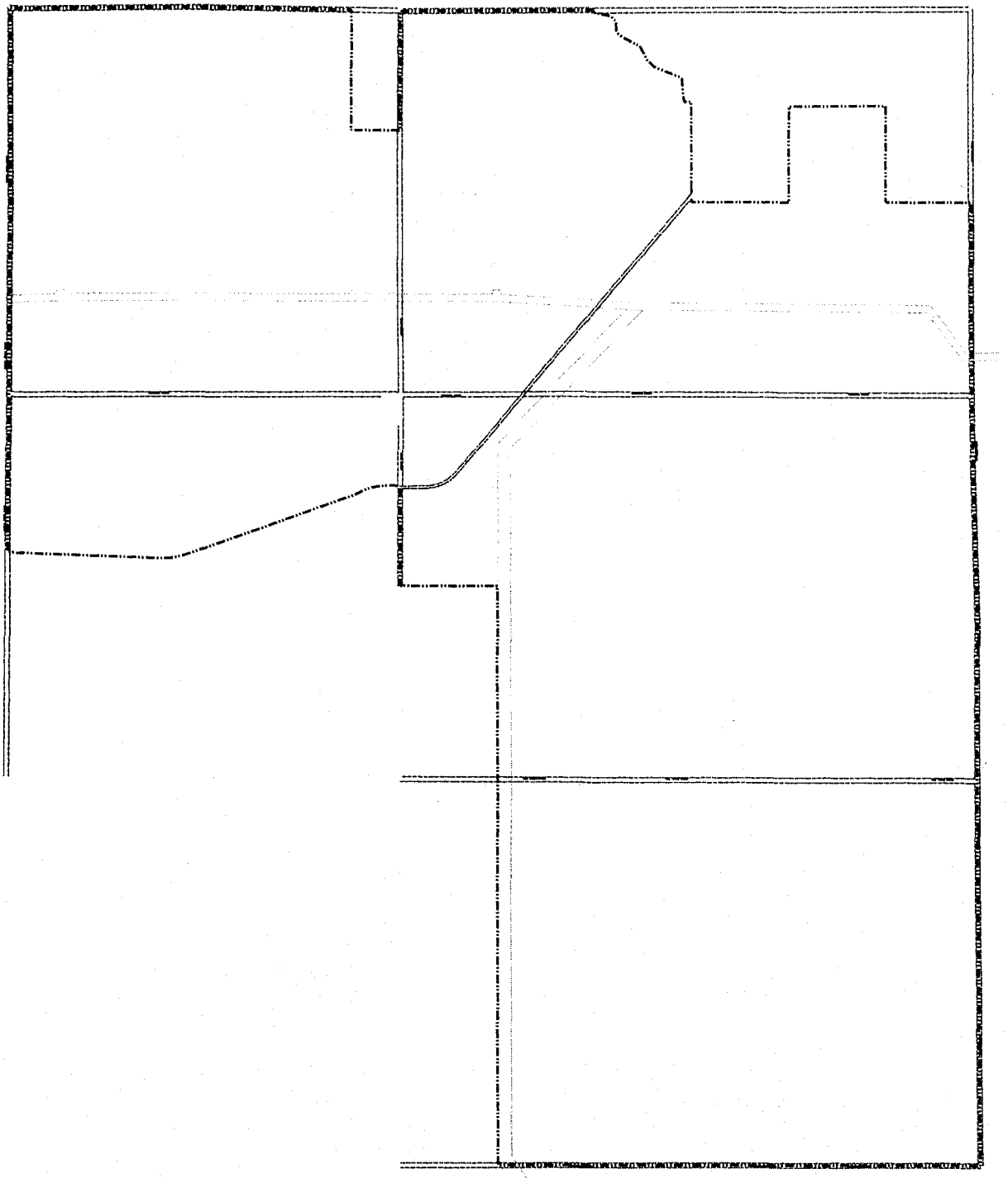
_____

_____

_____







ATTACHMENT – B-1

Meets and Bounds Survey

ATTACHMENT B-1

Legal Description
Property Located in Sections 13, 14, 23, 24, and 25,
Township 5 South, Range 7 East,
of the Gila and Salt River Base and Meridian
May, 13, 2004

The following legal description has been prepared based on the ALTA Surveys prepared by WRG Design, Inc., for the Sandia properties. This legal description is a composite legal description for both of the above described properties and sets for the total combined gross area of both properties.

A parcel of land located in Sections 13, 14, 23, 24, and 25 Township 5 South, Range 7 East, of the Gila and Salt River Base and Meridian, Pinal County, Arizona, more particularly described as follows.

Beginning at a 5/8" iron rod monumenting the southwest corner of Section 14; thence N 00°31'43" E 2642.66 feet along the West line of Section 14, to a 3/4" iron rod monumenting the West quarter corner of said Section 14; Thence continuing along said West line N 00°00'36" W 2635.33 feet to a 3/4" iron rod monumenting the northwest corner of said Section 14; Thence N 89°52'59" E 2631.86 feet along the North line of said Section 14, to a 3/4" iron rod monumenting the North quarter corner of Section 14; Thence continuing along said North line S 88°45'43" E 1991.02 feet, to a point at the northeast corner of the West half of the northeast quarter of the northeast quarter, Section 14; Thence S 00°12'14" W 1640.93 feet to the southwest corner of the North 5 acres of the East half of the southeast quarter of the northeast quarter, Section 14; thence S 89°36'16" E 661.75 feet along the South line of North 5 acres of the East half of the southeast quarter of the northeast quarter, Section 14, to a point on the East line of said Section 14; Thence N 00°16'03" E 1631.17 feet along said East line, to the northeast corner of said Section 14; Thence N 89°59'59" E 2624.14 feet along the North line of Section 13, to a G.L.O. brass cap monument at the North quarter corner of said Section 13; Thence S 82°35'33" E 398.40 feet, to a point; Thence S 74°19'38" E 104.24 feet, to a point; Thence S 61°20'53" E 82.69 feet, to a point; Thence S 53°04'34" E 514.00 feet, to a point; Thence S 49°01'16" E 382.30 feet, to a point; Thence S 44°04'05" E 146.45 feet, to a point; Thence S 41°57'17" E 658.86 feet, to a point; Thence S 89°32'32" E 815.13 feet, to a point on the West line of Government Lot 2;

ATTACHMENT B-1

Thence S 00°06'43" W 37.10 feet, to the southwest corner of said Lot 2 and coincident with the northwest corner of Government Lot 5; Thence S 89°49'58" E 1312.70 feet along the North line of Lot 5, to the northeast corner thereof; Thence S 00°07'43" W 1317.49 feet along the East line of Lot 5 to the southeast corner thereof and coincident with the northwest corner of Government lot 7; Thence S 89°41'56" E 1158.92 feet along the North line of Lot 7, to an iron rod at the East quarter corner of Section 13; Thence S 00°05'12" E 2654.10 feet along the East line of Section 13, to the southeast corner thereof; Thence S 00° 05'12" E 441.54 feet along the East line of Section 24, to a point; Thence continuing along said East line S 01°20'51" E 2206.52 feet, to the East quarter corner of said Section 24; Thence continuing along said East line S 01°20'51" E 447.15 feet, to a point; Thence continuing along said East line S 00°13'24" W 2200.06 feet, to a half inch iron rod at the southeast corner of said Section 24; Thence N 89°37'03" W 601.05 feet along the South line of said Section 24 and the North line of Section 25, to a point; Thence S 00°04'16" E 2644.39 to a point on the South line of the North half of Section 25; Thence
S 89°38'34" E 609.06 feet, to the southeast corner of said North half, Section 25; Thence S 00°14'41" E 2644.19 feet along the East line of said South half, Section 25, to an aluminum cap monument marking the southeast corner thereof; Thence N 89°42'47" W 5206.93 feet along the South line of said Section 25, to an aluminum cap in hand hole monumenting the South quarter corner of said Section 25; Thence continuing along said South line N 89°44'11" W 1324.50 feet to a point at the southwest corner of the East half of the southwest quarter of said Section 25; Thence N 00°13'12" E 5303.16 feet along the West line of said East half of the southwest and northwest quarter, Section 25, to a point on the North line of said Section 25 and coincident with the South line of said Section 24; thence N 00°12'38" E 2649.12 feet along said West line, to a point on the North line of the South half of said Section 24; Thence N 89°34'00" W 1323.99 feet along said North line, to a 5/8" iron rod monumenting the West quarter corner of said Section 24; Thence N 00°31'10" E 1347.44 feet along the West line of said Section 24, to a point on the southerly top of bank of the Southside Canal Aqueduct; Thence S 89°52'59" E 331.11 feet along said southerly top of bank, to the beginning of a 580.10 foot radius non-tangent curve to the left; Thence along said curve and continuing along said top of bank 509.80 feet through a central angle of 50°21'10" and a long chord of which bears N 65°49'56" E 493.55 feet, to a point; Thence continuing along said southerly top of bank N 40°07'06" E 1423.14 feet, to a point on the North line of said Section 24;

ATTACHMENT B-1

Thence N 89°52'59" W 0.29 feet along said North line, to a point; Thence continuing along said southerly top of bank N 40°00'29" E 1796.47 feet, to a point; Thence continuing along said southerly top of bank N 40°05'37" E 1633.45 feet to a point on the North line of the South half of Section 13; Thence S 89°41'56" E 1355.63 feet along said North line, to the southwest corner of said Lot 5; Thence N 00°06'43" E 1314.42 feet along the West line of said Lot 5, to the northwest corner thereof; Thence N 89°49'58" W 1313.35 feet, to a point on the East line of the northeast quarter of said Section 13; Thence S 00°05'42" W 1190.33 feet along said East line to a point on the northerly top of bank of the Southside Canal Aqueduct; Thence S 39°53'42" W 157.06 feet along said top of bank, to a point on the south line of the northeast quarter, Section 13; Thence N 89°41'56" W 1212.44 feet along said South line, to a point on the West line of the southeast quarter, Section 13; Thence
S 00°04'41" W 1458.40 feet along said West line, to a point on the northerly top of bank of the Southside Canal Aqueduct; Thence S 39°59'32" W 1532.07 feet along said northerly top of bank, to a point; Thence continuing along said northerly top of bank S 39°58'10" W 1395.05 feet, to the beginning of a 559.16 foot radius non-tangent curve to the right; Thence along said curve and continuing along said northerly top of bank 499.62 feet through a central angle of 51°11'42" and a long chord of which bears S 67°22'31" W 483.17 feet to a point; Thence continuing along said northerly top of bank S 89°43'30" W 496.20 feet, to the beginning of a 1185.35 foot radius non-tangent curve to the left; Thence along said curve and continuing along said northerly top of bank 412.46 through a central angle of 19°56'14" and a long chord of which bears S 74°39'56" W 410.39 feet, to a point; Thence continuing along said northerly top of bank S 70°12'37" W 882.53 feet, to a point; Thence continuing along said northerly top of bank S 70°21'29" W 1569.12 feet, to the beginning of a 1071.48 foot radius non-tangent curve to the right; Thence along said curve and continuing along said northerly top of bank 388.24 feet through a central angle of 20°45'38" and a long chord of which bears S 81°29'47" W 386.12 feet, to a point; Thence continuing along said northerly top of bank N 87°21'43" W 942.22 feet, to a point; Thence continuing along said northerly top of bank N 87°19'51" W 1107.10 feet, to a point on the West line of said Section 23; Thence N 00°43'28" E 2178.88 feet along said West line, to the **Point of Beginning**.

ATTACHMENT B-1

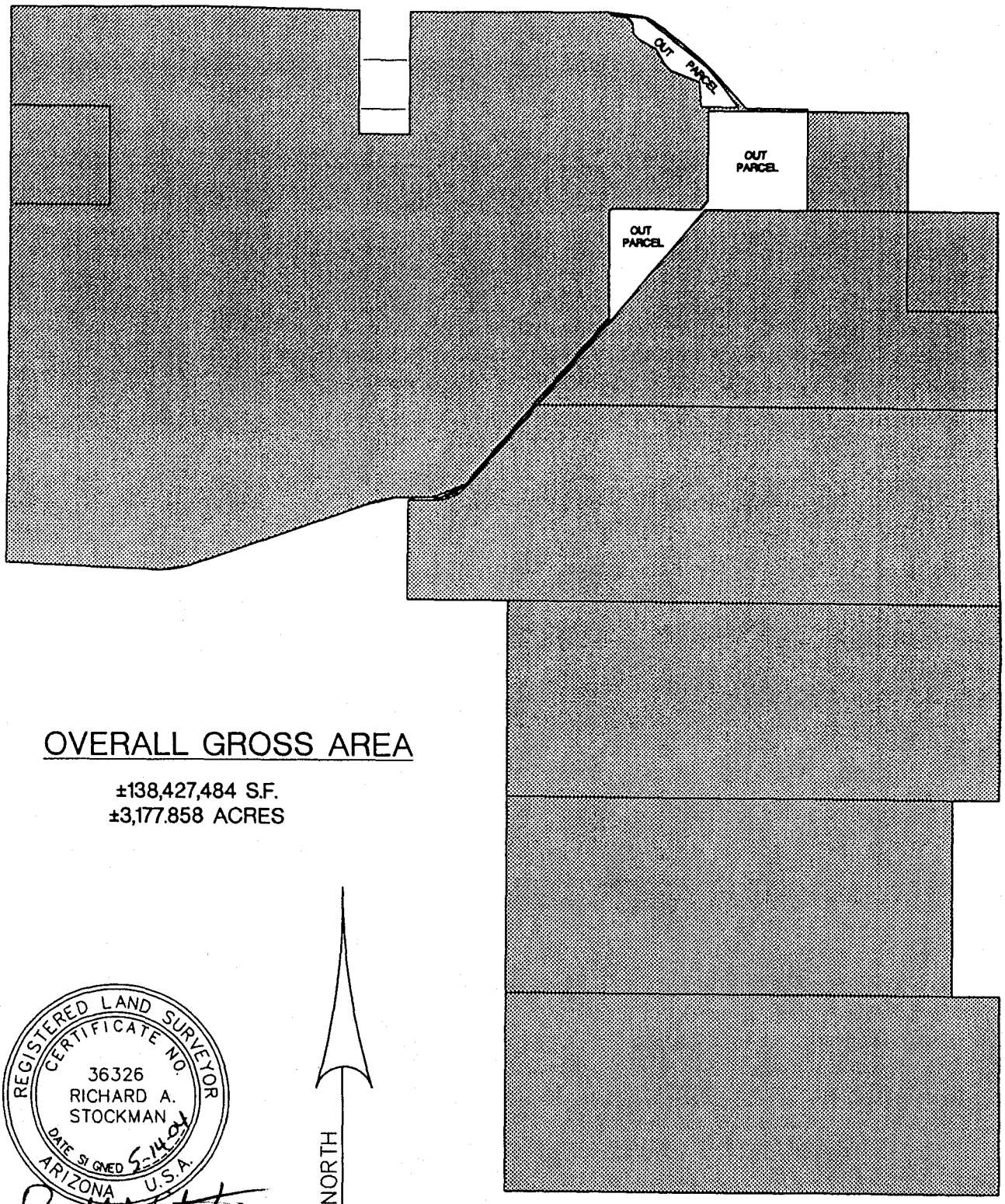
Excepting there a parcel of land located in the northeast quarter of Section 13, Township 5 South, Range 7 East, of the Gila and Salt River Base and Meridian, Pinal County, Arizona, more particularly described as follows:

Commencing at a G.L.O. brass cap monument at the North quarter corner of Section 13; Thence S 00°04'41" W 31.14 feet along the West line of the northeast quarter said Section 13, to the **Point of Beginning**; Thence S 78°02'45" E 230.09 feet, to a point; Thence S 44°12'32" E 95.61 feet, to a point; Thence S 03°24'38" E 144.61 feet, to a point; thence S 46°23'44" E 101.26 feet, to a point; Thence S 61°31'23" E 274.04 feet, to a point; Thence S 27°17'20" E 204.04 feet, to a point; thence S 44°20'46" E 135.27 feet, to a point; Thence S 67°42'29" E 410.63 feet, to a point; Thence S 04°59'49" E 330.74 feet, to a point; Thence S 89°37'30" E 489.84 feet, to a point; Thence N 37°58'54" W 659.97 feet, to a point; Thence N 51°54'29" W 1063.14 feet, to a point; Thence N 83°35'27" W 461.27 feet, to the **Point of Beginning**.

The above described properties total gross area is 138,427,484 square feet or 3,177.858 acres, more or less.

REGISTERED LAND SURVEYOR
CERTIFICATE NO.
36326
RICHARD A
STOCKMAN
Date Signed 5-14-04
ARIZONA, U.S.A.

ATTACHMENT B-1



OVERALL GROSS AREA

±138,427,484 S.F.
±3,177.858 ACRES

REGISTERED LAND SURVEYOR
CERTIFICATE NO.
36326
RICHARD A.
STOCKMAN
DATE SIGNED 5-14-04
ARIZONA U.S.A.

Richard A. Stockman

W R G DESIGN INC.
4808 N. 22nd Street, Suite 150 Phoenix, AZ 85016
Tel. 602.977.8000 Fax. 602.977.8099
PLANNERS • ENGINEERS • LANDSCAPE ARCHITECTS • SURVEYORS

EXHIBIT
SANDIA PROPERTIES

PIVOTAL GROUP
COOLIDGE, ARIZONA

PROJECT NO.	4033374.00
DATE:	04/09/04
BY:	DCW
SCALE:	1"=2000'
SHEET NO.	1 OF 1

C

ATTACHMENT – C

Proforma Balance Sheets
Financial Information

ATTACHMENT C

PROFORMA BALANCE SHEET (SEWER)

Woodruff Utility Company

	Year 1	Year 2	Year 3	Year 4	Year 5
ASSETS					
Current Assets					
Cash	$ 37,633	$ 225,732	$ 180,448	$ 791,565	$ 1,603,543
Accounts Receivable	0	0	0	0	0
Other	0	0	0	0	0
Total Current Assets	$ 37,633	$ 225,732	$ 180,448	$ 791,565	$ 1,603,543
Fixed Assets					
Utility Plant	$ 8,811,280	$ 10,018,780	$ 12,253,280	$ 13,460,780	$ 14,668,280
(Less) Accumulated Depreciation	(66,905)	(280,145)	(615,891)	(1,074,033)	(1,623,730)
Net Plant in Service	$ 8,744,375	$ 9,738,635	$ 11,637,389	$ 12,386,747	$ 13,044,550
Total Assets	$ 8,782,007	$ 9,964,367	$ 11,817,837	$ 13,178,312	$ 14,648,093
LIABILITIES AND CAPITAL					
Current and Accrued Liabilities					
Accounts Payable	0	0	0	0	0
Notes Payable	0	0	0	0	0
Accrued Taxes	0	0	0	0	0
Accrued Interest	0	0	0	0	0
Other	0	0	0	0	0
Total Current and Accred Liabilities	0	0	0	0	0

ATTACHMENT C

PROFORMA BALANCE SHEET (SEWER)

Woodruff Utility Company

	Year 1	Year 2	Year 3	Year 4	Year 5
Long-Term Debt					
Deferred Credits					
Advances in Aid of Construction	$ 500,000	$ 500,000	$ 1,388,743	$ 3,058,981	$ 3,830,132
Contribution in Aid of Construction, Net of Amortization	148,500	444,975	737,380	1,021,715	1,300,000
Accumulated Deferred Income Tax	-	-	-	-	-
	-	-	-	-	-
Total Deferred Credits	$ 648,500	$ 944,975	$ 2,126,123	$ 4,080,696	$ 5,130,132
CAPITAL ACCOUNT					
Common Stock	8,261,280	8,261,280	8,761,280	8,761,280	8,761,280
Preferred	0	0	0	0	0
Paid in Capital	0	0	0	0	0
Retained Earnings	(127,773)	(130,631)	73,990	336,336	756,681
	-	-	-	-	-
Total Capital	$ 8,133,507	$ 8,130,649	$ 8,835,270	$ 9,097,616	$ 9,517,961
TOTAL LIABILITIES AND CAPITAL	$ 8,782,007	$ 9,075,624	$ 10,961,393	$ 13,178,312	$ 14,648,093

ATTACHMENT – C-2

Income Statement

PROFORMA INCOME STATEMENT (SEWER)
Woodruff Utility Company

	Year One	Year Two	Year Three	Year Four	Year Five
Flat Rate Revenues	$ 111,630	$ 412,260	$ 792,336	$ 1,172,292	$ 1,549,812
Measured Revenues	9,973	41,453	87,901	134,348	177,481
Establishment Charges					
Other Operating Revenue					
Total Operating Revenue	$ 121,603	$ 453,713	$ 880,237	$ 1,306,640	$ 1,727,293
OPERATING EXPENSES:					
Salaries and Wages	$ 68,500	$ 70,555	$ 72,672	$ 74,852	$ 77,097
Purchased Sewer Treatment					
Sludge Removal Expense	3,000	3,090	3,183	3,278	3,377
Purchased Power for Pumping Equipment	12,906	52,714	108,670	182,626	236,431
Sewage Treatment and Testing	16,000	20,180	24,365	28,556	32,753
Repairs and Maintenance	2,000	6,000	9,000	12,000	15,000
Office Supplies Expense	3,709	13,863	26,762	39,661	52,551
Outside Services	54,800	56,444	58,137	59,881	61,678
Rents	6,000	6,180	6,365	6,556	6,753
Transportation Expense	3,500	3,605	3,713	3,825	3,939
General Insurance	4,000	4,120	4,244	4,371	4,502
Depreciation	65,405	207,215	323,652	439,977	525,482
Health and Life Insurance					
Income Taxes	50	50	17,364	161,090	255,078
Property Tax	2,881	6,434	14,317	26,528	39,637
Taxes Other than Property & Income					
Miscellaneous Expenses	7,000	7,060	7,122	7,185	7,251
Total Operating Expense	$ 249,751	$ 457,510	$ 679,566	$ 1,050,387	$ 1,321,529
OPERATING INCOME OR LOSS	$ (128,148)	$ (3,797)	$ 200,670	$ 256,253	$ 405,765
OTHER INCOME / EXPENSE					
Interest Income	375	939	3,950	6,093	14,580
Other Income					
Other Expense					
Interest Expenses					
TOTAL OTHER INCOME / EXPENS	375	939	3,950	6,093	14,580
NET INCOME (LOSS)	$ (127,773)	$ (2,858)	$ 204,621	$ 262,346	$ 420,345

ATTACHMENT – C-3

Itemized List of Major Plant Components

SUMMARY			Attachment C-3 Itemized List of Major Plant Components		
PHASE 1 - ANNUAL AVERAGE FLOW = 1.00 MGD					
Rev 0 May 3, 2004					
Area	Remarks		Construction Cost	Just Equipment w/o install	Construction w/o Equipment
Headworks	1 screen & compactor		$317,419	$80,000	
Influent Pump Station	2 pumps		$173,849	$90,000	
Odor Control	one unit		$162,675	$100,000	
Sequential Batch Reactors	two basins		$2,311,860	$563,000	
Blower Building	one bldg		$128,925		
Filters	1 filter		$660,799	$404,000	
UV Disinfection	1 channel		$519,197	$320,000	
Effluent Pump Station	2 pumps		$127,274	$60,000	
Solids Dewatering Building	1 centrifuge		$625,833	$296,000	
Aerobic Digester	1 digester		$0		
Site work	misc yard		$238,500	$90,000	
	Subtotal		$5,266,331		
15%	Contingency		$789,950		
TOTAL CONSTRUCTION COSTS			$6,056,280	$2,003,000	$4,053,280
		$4.24	per gallon		
Assumptions				Power/Chem	
Excavation	$6	per cubic yard		Annual O&M Costs	
Backfill	$15	per cubic yard		$189,318	
Building (basic)	$90	per square foot			
Building (elaborate)	$100	per square foot			
Concrete Foundation	$550	per cubic yard			
Concrete Walls	$550	per cubic yard			
Concrete Top Slabs	$550	per cubic yard			
Handrail	$35	per linear foot			
Grating	$35	per square foot			
Power	$0.09	per Kilowatt hour			
Installation Factor	15%	of process equipment			
Sitework	0%	of total capital cost			
Piping	15%	of total capital cost			
Electrical & Instrumentation	20%	of total capital cost			

Attachment C-3 Itemized List of Major Plant Components

HEADWORKS						
Description	**Power**		**Amount**		**$/Unit**	**Total**
Excavation			20	cy	$6	**$120**
Backfill			15	cy	$15	**$225**
Concrete						
Foundation Concrete			90	cy	$550	$49,500
Wall Concrete			0	cy	$550	$0
Building			1000	sf	$85	$85,000
Concrete Total						**$134,500**
Equipment						
Screen system	5	hp	1	ea	80000	$80,000
Grating	0	hp	480	sf	$15	$7,200
Equipment Subtotal						$87,200
Equipment Installation, 15%			15%			$13,080
Installed Equipment Total						**$100,280**
Capital Costs						
Construction Cost						$235,125
Sitework, 0%			0%			$0
Piping, 15%			15%			$35,269
Electrical and Instrumentation, 20%			20%			$47,025
TOTAL CAPITAL COSTS						**$317,419**

INFLUENT PUMP STATION						
Description	**Power**		**Amount**		**$/Unit**	**Total**
Excavation			192	cy	$6	**$1,152**
Backfill			105	cy	$15	**$1,575**
Concrete						
Foundation Concrete			41	cy	$550	$22,550
Wall Concrete			0	cy	$0	$0
Elevated Slab Concrete			0	cy	$0	$0
Concrete Total						**$22,550**
Equipment						
Influent pump w/ vfds	25	hp	2	ea	$45,000	$90,000
Equipment Subtotal						$90,000
Equipment Installation, 15%			15%			$13,500
Installed Equipment Total						**$103,500**
Capital Costs						
Construction Cost						$128,777
Sitework, 0%			0%			$0
Piping, 15%			15%			$19,317
Electrical and Instrumentation, 20%			20%			$25,755
TOTAL CAPITAL COSTS						**$173,849**

Attachment C-3 Itemized List of Major Plant Components

BLOWER BUILDING						
Description	**Power**		**Amount**		**$/Unit**	**Total**
Excavation			0	cy	$6	**$0**
Backfill			0	cy	$15	**$0**
Concrete						
Foundation Concrete			10	cy	$550	$5,500
Building			1000	sf	$90	$90,000
Elevated Slab Concrete			0	cy	$550	$0
Concrete Total						**$95,500**
Equipment						
Blower	60	hp	2	ea	$0	$0
Equipment Subtotal						$0
Equipment Installation, 15%			15%			$0
Installed Equipment Total						**$0**
Capital Costs						
Construction Cost						$95,500
Sitework, 0%			0%			$0
Piping, 15%			15%			$14,325
Electrical and Instrumentation, 20%			20%			$19,100
TOTAL CAPITAL COSTS						**$128,925**

ODOR CONTROL						
Description	**Power**		**Amount**		**$/Unit**	**Total**
Excavation			0	cy	$6	**$0**
Backfill			0	cy	$15	**$0**
Grating			0	sf	$35	**$0**
Handrail			0	lf	$35	**$0**
Concrete						
Foundation Concrete			10	cy	$550	$5,500
Wall Concrete			0	cy	$550	$0
Elevated Slab Concrete			0	cy	$550	$0
Concrete Total						**$5,500**
Equipment						
New odor scrubber & appurt.	40	hp	1	ea	$100,000	$100,000
Equipment Subtotal						$100,000
Equipment Installation, 15%			15%			$15,000
Installed Equipment Total						**$115,000**
Capital Costs						
Construction Cost						$120,500
Sitework, 0%			0%			$0
Piping, 15%			15%			$18,075
Electrical and Instrumentation, 20%			20%			$24,100
TOTAL CAPITAL COSTS						**$162,675**

Attachment C-3 Itemized List of Major Plant Components

SEQUENTIAL BATCH REACTORS						
Description	**Power**		**Amount**		**$/Unit**	**Total**
Excavation			8934	cy	$6	**$53,604**
Backfill			3100	cy	$15	**$46,500**
Concrete						
Foundation Concrete			1080	cy	$550	$594,000
Wall Concrete			0	cy	$550	$0
Covers			12480	sf	$35	$436,800
Concrete Total						**$1,030,800**
Equipment						
SBR Equipment plus	incl. blowers		1	ls	$505,000	$505,000
Digester Equipment	140	hp				**$0**
Post Equalization Pumps	15		2	ea	$29,000	**$58,000**
Equipment Subtotal						$563,000
Equipment Installation, 15%			15%			$84,450
Installed Equipment Total						**$647,450**
Capital Costs						
Construction Cost						$1,778,354
Sitework, 0%			0%			$0
Piping, 15%			10%			$177,835
Electrical and Instrumentation, 20%			20%			$355,671
TOTAL CAPITAL COSTS						**$2,311,860**

FILTERS (disk)						
Description	**Power**		**Amount**		**$/Unit**	**Total**
Excavation			336	cy	$6	**$2,016**
Backfill			241	cy	$15	**$3,615**
Covers			110	sf	$35	**$3,850**
Handrail			0	lf	$35	**$0**
Concrete						
Foundation Concrete			28	cy	$550	$15,400
Wall Concrete			0	cy	$550	$0
Elevated Slab Concrete			0	cy	$550	$0
Concrete Total						**$15,400**
Equipment						
Filter	11.5	hp	1	ea	$404,000	$404,000
Equipment Subtotal						$404,000
Equipment Installation, 15%			15%			$60,600
Installed Equipment Total						**$464,600**
Capital Costs						
Construction Cost						$489,481
Sitework, 0%			0%			$0
Piping, 15%			15%			$73,422
Electrical and Instrumentation, 20%			20%			$97,896
TOTAL CAPITAL COSTS						**$660,799**

Attachment C-3 Itemized List of Major Plant Components

UV DISINFECTION						
Description	**Power**		**Amount**		**$/Unit**	**Total**
Excavation			15	cy	$6	**$90**
Backfill			10	cy	$15	**$150**
Grating			90	sf	$35	**$3,150**
Handrail			0	lf	$35	**$0**
Concrete						
Foundation Concrete			24	cy	$550	$13,200
Wall Concrete			0	cy	$550	$0
Elevated Slab Concrete			0	cy	$550	$0
Concrete Total						**$13,200**
Equipment						
UV Equipment			1	ls	$320,000	$320,000
Equipment Subtotal						$320,000
Equipment Installation, 15%			15%			$48,000
Installed Equipment Total						**$368,000**
Capital Costs						
Construction Cost						$384,590
Sitework, 0%			0%			$0
Piping, 15%			15%			$57,689
Electrical and Instrumentation, 20%			20%			$76,918
TOTAL CAPITAL COSTS						**$519,197**

EFFLUENT PUMP STATION						
Description	**Power**		**Amount**		**$/Unit**	**Total**
Excavation			192	cy	$6	**$1,152**
Backfill			105	cy	$15	**$1,575**
Concrete						
Foundation Concrete			41	cy	$550	$22,550
Wall Concrete			0	cy	$550	$0
Elevated Slab Concrete			0	cy	$550	$0
Concrete Total						**$22,550**
Equipment						
Effluent Pumps	30	hp	2	ea	$30,000	$60,000
Equipment Subtotal						$60,000
Equipment Installation, 15%			15%			$9,000
Installed Equipment Total						**$69,000**
Capital Costs						
Construction Cost						$94,277
Sitework, 0%			0%			$0
Piping, 15%			15%			$14,142
Electrical and Instrumentation, 20%			20%			$18,855
TOTAL CAPITAL COSTS						**$127,274**

Attachment C-3 Itemized List of Major Plant Components

SOLIDS DEWATERING BUILDING						
Description	**Power**		**Amount**		**$/Unit**	**Total**
Excavation			10	cy	$6	**$60**
Backfill			8	cy	$15	**$120**
Concrete						
Foundation Concrete			60	cy	$550	$33,000
Building			1000	sf	$90	$90,000
Elevated Slab Concrete			0	cy	$550	$0
Concrete Total						**$123,000**
Equipment						
Centrifuge	40	hp	1	ea	$250,000	$250,000
Sludge Pumps			2	ea	$19,000	$38,000
Polymer			1	ea	$8,000	$8,000
Equipment Subtotal						$296,000
Equipment Installation, 15%			15%			$44,400
Installed Equipment Total						**$340,400**
Capital Costs						
Construction Cost						$463,580
Sitework, 0%			0%			$0
Piping, 15%			15%			$69,537
Electrical and Instrumentation, 20%			20%			$92,716
TOTAL CAPITAL COSTS						**$625,833**

AEROBIC DIGESTERS						
Description	**Power**		**Amount**		**$/Unit**	**Total**
Excavation			0	cy	$6	**$0**
Backfill	**d in aeration bas**		0	cy	$15	**$0**
Concrete						
Foundation Concrete			0	cy	$550	$0
Wall Concrete			0	sf	$80	$0
Covers			0	sf	$25	$0
Concrete Total						**$0**
Equipment						
Blower & Diffusers	40	hp	0	ea	$55,000	$0
Decanter			0	ea	$15,000	$0
Sludge Pumps			0	ea	$15,000	$0
Equipment Subtotal						$0
Equipment Installation, 15%			15%			$0
Installed Equipment Total						**$0**
Capital Costs						
Construction Cost						$0
Sitework, 0%			0%			$0
Piping, 15%			15%			$0
Electrical and Instrumentation, 20%			20%			$0
TOTAL CAPITAL COSTS						**$0**

Attachment C-3 Itemized List of Major Plant Components

SITE WORK						
Description	**Power**		**Amount**		**$/Unit**	**Total**
Excavation			0	cy	$6	**$0**
Backfill			0	cy	$15	**$0**
Misc Structures						
Masonry Wall 6'			3200	lf	$25	$80,000
Yard Structures & mhs			1	ls	$25,000	$25,000
Paving			5000	sf	$5	$25,000
Gate			1	ls	$5,000	$5,000
Misc Total						**$135,000**
Equipment						
Standby Generator		hp	1	ea	$90,000	$90,000
Equipment Subtotal						$90,000
Equipment Installation, 15%			15%			$13,500
Installed Equipment Total						**$103,500**
Capital Costs						
Construction Cost						$238,500
Sitework, 0%			0%			$0
Piping, 15%			0%	0		$0
Electrical and Instrumentation, 20%			0%	0		$0
TOTAL CAPITAL COSTS						**$238,500**

ATTACHMENT – C-4

Plant and Service

CS-4

PROFORMA UTILITY PLANT IN SERVICE (SEWER)

FIRST YEAR

Woodruff Utility Company

PLANT	ORIGINAL COST	ACCUM DEPRC	ORIG. COST LESS DEPREC.
Organization	$ 25,000	$ -	$ 25,000
Franchises		-	-
Land and Land Rights	1,225,000	-	1,225,000
Structures and Improvements	-	-	-
Power Generation Equipment	75,000	1,875	73,125
Collection sewers -Force	500,000	5,000	495,000
Collection Sewers - Gravity (AIAC)	-	-	-
Special Collecting Structures	-	-	-
Services to customers / Residential	150,000	1,500	148,500
Services to customers - None Residential	-	-	-
Flow measuring Devices	-	-	-
Flow measuring Installations	-	-	-
Reuse Services '	150,000	1,500	148,500
Reuse Meters and Meter Install	-	-	-
Receiving Wells	-	-	-
Pumping Equipment	595,000	37,188	557,813
Reuse Distribution Reservoirs	-	-	-
Reuse Transmission and Distrib	-	-	-
Treatment and Disposal Equipment*	6,056,280	16,743	6,039,537
Plant Sewers	-	-	-
Outfall Sewer Lines	-	-	-
Other Plant and Miscellaneous	-	-	-
Office Furniture and Equipment	-	-	-
Transportation Equipment	30,000	3,000	27,000
Stores Equipment	5,000	100	4,900
Tools, Shop and Garage Equipme	-	-	-
Laboratory Equipment	-	-	-
Power Operated Equipment	-	-	-
Communication Equipment	-	-	-
Miscellaneous Equipment	-	-	-
Other Tangible Plant	-	-	-
TOTAL PLANT IN SERVICE	$ 8,811,280	$ 66,905	$ 8,744,375

CS-4

PROFORMA UTILITY PLANT IN SERVICE (SEWER)

SECOND YEAR

Woodruff Utility Company

PLANT	ORIGINAL COST	ACCUM DEPRC	ORIG. COST LESS DEPREC.
Organization	$ 25,000	$ -	$ 25,000
Franchises	-	-	-
Land and Land Rights	1,225,000	-	1,225,000
Structures and Improvements	-	-	-
Power Generation Equipment	75,000	5,625	69,375
Collection sewers -Force	1,400,000	24,000	1,376,000
Collection Sewers - Gravity (AIAC)	-	-	-
Special Collecting Structures	-	-	-
Services to customers / Residential	450,000	7,500	442,500
Services to customers - None Residential	2,500	25	2,475
Flow measuring Devices	-	-	-
Flow measuring Installations	-	-	-
Reuse Services '	150,000	4,500	145,500
Reuse Meters and Meter Install	-	-	-
Receiving Wells	-	-	-
Pumping Equipment	595,000	111,563	483,438
Reuse Distribution Reservoirs	-	-	-
Reuse Transmission and Distrib	-	-	-
Treatment and Disposal Equipment*	6,056,280	117,532	5,938,748
Plant Sewers	-	-	-
Outfall Sewer Lines	-	-	-
Other Plant and Miscellaneous	-	-	-
Office Furniture and Equipment	-	-	-
Transportation Equipment	30,000	9,000	21,000
Stores Equipment	10,000	400	9,600
Tools, Shop and Garage Equipme	-	-	-
Laboratory Equipment	-	-	-
Power Operated Equipment	-	-	-
Communication Equipment	-	-	-
Miscellaneous Equipment	-	-	-
Other Tangible Plant	-	-	-
Totals	$ 10,018,780	$ 280,145	$ 9,738,635

CS-4

PROFORMA UTILITY PLANT IN SERVICE (SEWER)

THIRD YEAR

Woodruff Utility Company

PLANT	ORIGINAL COST	ACCUM DEPRC	ORIG. COST LESS DEPREC.
Organization	$ 25,000	$ -	$ 25,000
Franchises	0	-	-
Land and Land Rights	1,225,000	-	1,225,000
Structures and Improvements	-	-	-
Power Generation Equipment	75,000	9,375	65,625
Collection sewers -Force	2,300,000	61,000	2,239,000
Collection Sewers - Gravity (AIAC)	-	-	-
Special Collecting Structures	-	-	-
Services to customers / Residential	750,000	19,500	730,500
Services to customers - None Residential	7,000	120	6,880
Flow measuring Devices	-	-	-
Flow measuring Installations	-	-	-
Reuse Services '	150,000	7,500	142,500
Reuse Meters and Meter Install	-	-	-
Receiving Wells	725,000	12,071	712,929
Pumping Equipment	895,000	204,688	690,313
Reuse Distribution Reservoirs	-	-	-
Reuse Transmission and Distrib	-	-	-
Treatment and Disposal Equipment*	6,056,280	285,738	5,770,542
Plant Sewers	-	-	-
Outfall Sewer Lines	-	-	-
Other Plant and Miscellaneous	-	-	-
Office Furniture and Equipment	-	-	-
Transportation Equipment	30,000	15,000	15,000
Stores Equipment	15,000	900	14,100
Tools, Shop and Garage Equipme	-	-	-
Laboratory Equipment	-	-	-
Power Operated Equipment	-	-	-
Communication Equipment	-	-	-
Miscellaneous Equipment	-	-	-
Other Tangible Plant	-	-	-
TOTAL PLANT IN SERVICE	$ 12,253,280	$ 615,891	$ 11,637,389

CS-4

PROFORMA UTILITY PLANT IN SERVICE (SEWER)

FOURTH YEAR

Woodruff Utility Company

PLANT	ORIGINAL COST	ACCUM DEPRC	ORIG. COST LESS DEPREC.
Organization	$ 25,000	$ -	$ 25,000
Franchises	0	-	-
Land and Land Rights	1,225,000	-	1,225,000
Structures and Improvements	-	-	-
Power Generation Equipment	75,000	13,125	61,875
Collection sewers -Force	3,200,000	116,000	3,084,000
Collection Sewers - Gravity (AIAC)	-	-	-
Special Collecting Structures	-	-	-
Services to customers / Residential	1,050,000	37,500	1,012,500
Services to customers - None Residential	9,500	285	9,215
Flow measuring Devices	-	-	-
Flow measuring Installations	-	-	-
Reuse Services '	150,000	10,500	139,500
Reuse Meters and Meter Install	-	-	-
Receiving Wells	725,000	36,214	688,786
Pumping Equipment	895,000	316,563	578,438
Reuse Distribution Reservoirs	-	-	-
Reuse Transmission and Distrib	-	-	-
Treatment and Disposal Equipment*	6,056,280	521,247	5,535,033
Plant Sewers	-	-	-
Outfall Sewer Lines	-	-	-
Other Plant and Miscellaneous	-	-	-
Office Furniture and Equipment	-	-	-
Transportation Equipment	30,000	21,000	9,000
Stores Equipment	20,000	1,600	18,400
Tools, Shop and Garage Equipme	-	-	-
Laboratory Equipment	-	-	-
Power Operated Equipment	-	-	-
Communication Equipment	-	-	-
Miscellaneous Equipment	-	-	-
Other Tangible Plant	-		-
TOTAL PLANT IN SERVICE	$ 13,460,780	$ 1,074,033	$ 12,386,747

CS-4

PROFORMA UTILITY PLANT IN SERVICE (SEWER)

FIFTH YEAR

Woodruff Utility Company

PLANT	ORIGINAL COST	ACCUM DEPRC	ORIG. COST LESS DEPREC.
Organization	$ 25,000	$ -	$ 25,000
Franchises	0	-	-
Land and Land Rights	1,225,000	-	1,225,000
Structures and Improvements	-	-	-
Power Generation Equipment	75,000	16,875	58,125
Collection sewers -Force	4,100,000	189,000	3,911,000
Collection Sewers - Gravity (AIAC)	-	-	-
Special Collecting Structures	-	-	-
Services to customers / Residential	1,350,000	61,500	1,288,500
Services to customers - None Residential	12,000	500	11,500
Flow measuring Devices	-	-	-
Flow measuring Installations	-	-	-
Reuse Services '	150,000	13,500	136,500
Reuse Meters and Meter Install	-	-	-
Receiving Wells	725,000	60,356	664,644
Pumping Equipment	895,000	428,438	466,563
Reuse Distribution Reservoirs	-	-	-
Reuse Transmission and Distrib	-	-	-
Treatment and Disposal Equipment*	6,056,280	824,061	5,232,219
Plant Sewers	-	-	-
Outfall Sewer Lines	-	-	-
Other Plant and Miscellaneous	-	-	-
Office Furniture and Equipment	-	-	-
Transportation Equipment	30,000	27,000	3,000
Stores Equipment	25,000	2,500	22,500
Tools, Shop and Garage Equipme	-	-	-
Laboratory Equipment	-	-	-
Power Operated Equipment	-	-	-
Communication Equipment	-	-	-
Miscellaneous Equipment	-	-	-
Other Tangible Plant	-	-	-
TOTAL PLANT IN SERVICE	$ 14,668,280	$ 1,623,730	$ 13,044,550

D

ATTACHMENT – D

Water Tariff Schedule

CW-4
ATTACHMENT "D"
SEWER TARIFF SCHEDULE

UTILITY: Woodruff Utility Company

RATES AND CHARGES

FLAT RATE

RESIDENTIAL AND COMMERCIAL
BASED ON WATER METER SIZE

5/8 x 3/4 And	$ 52.00	PER MONTH
3/4	$ 52.00	PER MONTH
1	$ 130.00	PER MONTH
1 1/2	$ 260.00	PER MONTH
2	$ 416.00	PER MONTH
3	$ 832.00	PER MONTH
4	$ 1,300.00	PER MONTH
6	$ 2,600.00	PER MONTH

BASED ON WATER USAGE

RESIDENTIAL MINIMUM	N/A	FOR	N/A	GALLONS
EXCESS OF MINIMUM	N/A	FOR	N/A	GALLONS
COMMERCIAL MINIMUM	N/A	FOR	N/A	GALLONS
EXCESS OF MINIMUM	N/A	FOR	N/A	GALLONS

EFFLUENT SALES: (if applicable)

$ 300.00 PER ACRE FOOT (FOR GENERAL IRRIGATION)
$ 0.92 PER 1,000 GALLONS (FOR GENERAL IRRIGATION)

$ 32.59 Treated Effluent per Acre Foot (For Agricultural Irrigation)
$ 0.10 Treated Effluent per 1,000 Gallons (For Agricultural Irrigation)

SERVICE LINE CONNECTION CHARGE $_____ (TO BE CONTRIBUTED BY BUILDER)

SERVICE CHARGES:

1.	ESTABLISHMENT (R14-2-603.D.1)	$ 30.00	
2.	RECONNECTION / DELINQUENT (R14-2-603.D.1)	$ 50.00	
3.	DEPOSIT (R14-2-603.B.3)		per rule
4.	DEPOSIT INTEREST (R14-2-608.E.1)		% per rule
5.	REESTABLISHMENT WITHIN 12 MONTHS (R14-2-608.F.1)	(a)	
6.	NSF CHECK (R14-2-608.E.1)	$ 35.00	
7.	LATE PAYMENT PENALTY (R14-2-608.F.1)	1.50%	Per Month
	DEFERRED PAYMENT PLAN	1.50%	Per Month

All Revenue related taxes will be charged customers.

Main Extension and additional facilities agreements, @ COST (b)

RULES AND REGULATIONS

* The Company has adopted the Rules and Regulation established by the Commission as the basis for its operating procedures. Arizona Corporation Commission Rules will be controlling of Company procedures, unless specific Commission Orders provide otherwise.

(a) Monthly minimum times months off the system

(b) Cost to include parts, labor, overhead, and all applicable taxes, including income tax.

Woodruff Utility Company

DETAILED **Index of Schedules** C & D

ACC Forms	Number of Page	Page Number	
	2 Pages	1 & 2	Balance Sheet, Attachment C
	1 Page	Unnumbered	Income Statement, Attachment CS-2
	5 Pages	1 thru 5	Plant Cost, Attachment CS-4
	1 Page	Unnumbered	Tariff Attachment D

Schedules for Staff	Page(s)	BEHIND TARIFF ATTACHMENT D	
1	1		Balance Sheet
1a	Summary	Summary Page	Summary of Plant Additions by Year
1a	5 Pages	1 thru 5	Plant and Depreciation, 5 Pages
1b	1 Page		Financing of Plant & Operating Losses
1c	1 Page		Advances and Refunds
1d	1 Page		Meter Deposits and Refunds (If Applicable)
1e	1 Page		Contributions in Aid of Construction
2	1 Page	1	Income Statement
2a	1 Page	1	Projected Revenues all customers
2a	1 Page	2	Customer Counts all customers
2a	1 Page	3	Gallons Treated or Sold, all customers
2a	1 Page	4	Projected Revenues, customers, gallons for 5/8 Inch residential class
2a	1 Page	5	Projected Revenues, customers, gallons for School
2a	1 Page	6	Projected Revenues, customers, gallons 5/8 Inch commercial class
2a	1 Page	7	Projected Revenues, customers, gallons 1 Inch commercial class
2a	1 Page	8	Projected Revenues, customers, gallons 2 Inch commercial class
2a	1 Page	9	Effluent, (If Applicable)
2b	1 Page	1	Property Taxes
3	1 Page	1	Projected Cash Flow
4	1 Page	1	Proposed Rates
5	1 Page	1	Service Charges
1	1 Page	Unnumbered	Projected Rate Base and Projected Rate of Return **(Not for Filing)**
1	1 Page	Unnumbered	Projected Working Capital for Rate Base **(Not for Filing)**

Woodruff Utility Company
Projected Balance Sheets
For the Years Ended

Exhibit
Schedule 1
Page 1
Witness: Kozoman

Line No.		Beginning of Year	Label	1st year Changes	Year 1	Year 2	Year 3	Year 4	Year 5
1									
2									
3	**Assets**								
4									
5	Utility Plant	-	(a)	8,811,280	8,811,280	10,018,780	12,253,280	13,460,780	14,668,280
6	Accumulated Depreciation	-	(b)	(66,905)	(66,905)	(280,145)	(615,891)	(1,074,033)	(1,623,730)
7									
8	Cash	25,000		12,633	37,633	225,732	180,448	791,565	1,603,543
9									
10									
11	**Total Assets**	$ 25,000		$ 8,757,007	$ 8,782,007	$ 9,964,367	$ 11,817,837	$ 13,178,312	$ 14,648,093
12									
13	Equity and Liabilities			-					
14									
15	**Equity**								
16									
17	Common Stock	25,000	(d)	8,236,280	8,261,280	8,261,280	8,761,280	8,761,280	8,761,280
18				-					
19	Retained Earnings		(e)	(127,773)	(127,773)	(130,631)	73,990	336,336	756,681
20	**Total Equity**	$ 25,000		$ 8,108,507	$ 8,133,507	$ 8,130,649	$ 8,835,270	$ 9,097,616	$ 9,517,961
21									
22	**Liabilities & Deferred Credits**			-					
23	Advances in Aid of Construction		(f)	500,000	500,000	1,388,743	2,245,186	3,058,981	3,830,132
24	Contributions in Aid of			-					
25	Construction		(g)	150,000	150,000	452,500	757,000	1,059,500	1,362,000
26	Less: Amortization		(h)	(1,500)	(1,500)	(7,525)	(19,620)	(37,785)	(62,000)
27	Customer Deposits		(i)	-					
28									
29	Long-Term Debt			-					
30									
31	**Total Liabilities and**								
32	**Deferred Credits**	-		648,500	648,500	1,833,718	2,982,566	4,080,696	5,130,132
33									
34									
35	**Total Equity & Liab.**	$ 25,000		$ 8,757,007	$ 8,782,007	$ 9,964,367	$ 11,817,837	$ 13,178,312	$ 14,648,093

36 (a) Plant Additions (See Schedule 1a)
37 (b) Depreciation Computations (See Schedule 1a)
38 (c) Change in cash (Please Schedule 3)
39 (d) Common Stock issuance and or repurchase. (See Schedule 1b)
40 (e) Profit or loss from operations (See Schedule 2)
41 (f) Advances in Aid of Construction (See Schedule 1c)
42 (g) Contributions in Aid of Construction (See Schedule 1e)
43 (h) Amortization of Contributions in Aid of Construction, if applicable (See Schedule 1e)
44 (i) Security deposits (2 times average bill)

Woodruff Utility Company
Summary Listing of Plant Additions by Year

Exhibit
Schedule 1a
Summary Page
Witness: Kozoman

Acct. No		Year 1	Year 2	Year 3	Year 4	Year 5	Totals
351	Organization	25,000	-	-	-	-	25,000
352	Franchises	-	-	-	-	-	-
353	Land and Land Rights	1,225,000	-	-	-	-	1,225,000
354	Structures and Improvements	-	-	-	-	-	-
355	Power Generation Equipment	75,000	-	-	-	-	75,000
360	Collection sewers -Force	500,000	900,000	900,000	900,000	900,000	4,100,000
361	Collection Sewers - Gravity (AIAC)	-	-	-	-	-	-
362	Special Collecting Structures	-	-	-	-	-	-
363	Services to customers / Residential	150,000	300,000	300,000	300,000	300,000	1,350,000
363	Services to customers - None Residential	-	2,500	4,500	2,500	2,500	12,000
364	Flow measuring Devices	-	-	-	-	-	-
365	Flow measuring Installations	-	-	-	-	-	-
366	Reuse Services '	150,000	-	-	-	-	150,000
367	Reuse Meters and Meter Install	-	-	-	-	-	-
370	Receiving Wells	-	-	725,000	-	-	725,000
371	Pumping Equipment	595,000	-	300,000	-	-	895,000
374	Reuse Distribution Reservoirs	-	-	-	-	-	-
375	Reuse Transmission and Distrib	-	-	-	-	-	-
380	Treatment and Disposal Equipment*	6,056,280	-	-	-	-	6,056,280
381	Plant Sewers	-	-	-	-	-	-
382	Outfall Sewer Lines	-	-	-	-	-	-
389	Other Plant and Miscellaneous	-	-	-	-	-	-
390	Office Furniture and Equipment	-	-	-	-	-	-
391	Transportation Equipment	30,000	-	-	-	-	30,000
392	Stores Equipment	5,000	5,000	5,000	5,000	5,000	25,000
393	Tools, Shop and Garage Equipme	-	-	-	-	-	-
394	Laboratory Equipment	-	-	-	-	-	-
395	Power Operated Equipment	-	-	-	-	-	-
396	Communication Equipment	-	-	-	-	-	-
397	Miscellaneous Equipment	-	-	-	-	-	-
398	Other Tangible Plant	-	-	-	-	-	-
	Totals	8,811,280	1,207,500	2,234,500	1,207,500	1,207,500	14,668,280

Woodruff Utility Company
Plant
Projected Years

Exhibit
Schedule 1a
Page 1
Witness: Kozoman

With Treatment Plant Depreciation computed on Percent of Capacity

Line No.	Account	Description	CIAC Spread	Depreciation Rate	Estimate	Engineering Permits, Etc.	Year 1 Gross Amt	Additions	Depreciation*	Balance	A/D Balance
5	351	Organization		0.00%	$ 25,000		$ 25,000	$ 25,000	$ -	$ 25,000	$ -
6	352	Franchises		0.00%			-	-	-	-	-
7	353	Land and Land Rights		0.00%	1,225,000		1,225,000	1,225,000	-	1,225,000	-
8	354	Structures and Improvements		3.33%			-	-	-	-	-
9	355	Power Generation Equipment		5.00%	75,000		75,000	75,000	1,875	75,000	1,875
10	360	Collection sewers -Force		2.00%	500,000		500,000	500,000	5,000	500,000	5,000
11	361	Collection Sewers - Gravity (AIAC)		2.00%			-	-	-	-	-
12	362	Special Collecting Structures		2.00%			-	-	-	-	-
13	363	Services to customers - Residential	100.00%	2.00%	150,000		150,000	150,000	1,500	150,000	1,500
14	363	Services to customers - None Residential	100.00%	2.00%					-	-	-
15	364	Flow measuring Devices		10.00%			-	-	-	-	-
16	365	Flow measuring Installations		10.00%			-	-	-	-	-
17	366	Reuse Services '		2.00%	150,000		150,000	150,000	1,500	150,000	1,500
18	367	Reuse Meters and Meter Install		8.33%			-	-	-	-	-
19	370	Receiving Wells		3.33%			-	-	-	-	-
20	371	Pumping Equipment		12.50%	595,000		595,000	595,000	37,188	595,000	37,188
21	374	Reuse Distribution Reservoirs		2.50%	-		-	-	-	-	-
22	375	Reuse Transmission and Distrib		2.50%	-		-	-	-	-	-
23	380	Treatment and Disposal Equipment*		5.00%	6,056,280		6,056,280	6,056,280	16,743	6,056,280	16,743
24	381	Plant Sewers		5.00%			-	-	-	-	-
25	382	Outfall Sewer Lines		3.33%			-	-	-	-	-
26	389	Other Plant and Miscellaneous		6.67%			-	-	-	-	-
27	390	Office Furniture and Equipment		6.67%			-	-	-	-	-
28	391	Transportation Equipment		20.00%	30,000		30,000	30,000	3,000	30,000	3,000
29	392	Stores Equipment		4.00%	5,000		5,000	5,000	100	5,000	100
30	393	Tools, Shop and Garage Equipme		5.00%			-	-	-	-	-
31	394	Laboratory Equipment		10.00%			-	-	-	-	-
32	395	Power Operated Equipment		5.00%			-	-	-	-	-
33	396	Communication Equipment		10.00%			-	-	-	-	-
34	397	Miscellaneous Equipment		10.00%			-	-	-	-	-
35	398	Other Tangible Plant		5.00%		-	-	-	-	-	-
36							-	-	-	-	-
40		Totals			$ 8,811,280	$ -	$ 8,811,280	$ 8,811,280	$ 66,905	$ 8,811,280	$ 66,905
42		Composite Rate with 1/2 yr convention							0.88%		
45		Licenses, Taxes, Permits				$ -					
46		Engineering and Contingency				-					
47		Total				$ -					

Line No.			
49	*Capacity Adjustment to Depreciation Expense -		
50	380 Treatment Plant (Requires an Accounting Order)	301	
51	Customer connections	2,722	
52	Capacity (in customer connections)	0.1106	0.0000
53	Capacity Factor		

Woodruff Utility Company
Plant
Projected Years

Exhibit
Schedule 1a
Page 2
Witness: Kozoman

With Treatment Plant Depreciation computed on Percent of Capacity

Line No.	Account	Description	CIAC Spread	Depreciation Rate	Year 2 Estimate	Engineering Permits, Etc.	Gross Amt	Additions	Depreciation*	Balance	A/D Balance
5	351	Organization		0.00%			$ -	$ -	$ -	$ 25,000	$ -
6	352	Franchises		0.00%			-	-	-	-	-
7	353	Land and Land Rights		0.00%			-	-	-	1,225,000	-
8	354	Structures and Improvements		3.33%			-	-	-	-	-
9	355	Power Generation Equipment		5.00%			-	-	3,750	75,000	5,625
10	360	Collection sewers -Force		2.00%	900,000		900,000	900,000	19,000	1,400,000	24,000
11	361	Collection Sewers - Gravity (AIAC)		2.00%			-	-	-	-	-
12	362	Special Collecting Structures		2.00%			-	-	-	-	-
13	363	Services to customers - Residential	100.00%	2.00%	300,000		300,000	300,000	6,000	450,000	7,500
14	363	Services to customers - None Residential	100.00%	2.00%	2,500		2,500	2,500	25	2,500	25
15	364	Flow measuring Devices		10.00%			-	-	-	-	-
16	365	Flow measuring Installations		10.00%			-	-	-	-	-
17	366	Reuse Services		2.00%			-	-	3,000	150,000	4,500
18	367	Reuse Meters and Meter Install		8.33%			-	-	-	-	-
19	370	Receiving Wells		3.33%			-	-	-	-	-
20	371	Pumping Equipment		12.50%			-	-	74,375	595,000	111,563
21	374	Reuse Distribution Reservoirs		2.50%			-	-	-	-	-
22	375	Reuse Transmission and Distrib		2.50%			-	-	-	-	-
23	380	Treatment and Disposal Equipment*		5.00%			-	-	100,790	6,056,280	117,532
24	381	Plant Sewers		5.00%			-	-	-	-	-
25	382	Outfall Sewer Lines		3.33%			-	-	-	-	-
26	389	Other Plant and Miscellaneous		6.67%			-	-	-	-	-
27	390	Office Furniture and Equipment		6.67%			-	-	-	-	-
28	391	Transportation Equipment		20.00%			-	-	6,000	30,000	9,000
29	392	Stores Equipment		4.00%	5,000		5,000	5,000	300	10,000	400
30	393	Tools, Shop and Garage Equipme		5.00%			-	-	-	-	-
31	394	Laboratory Equipment		10.00%			-	-	-	-	-
32	395	Power Operated Equipment		5.00%			-	-	-	-	-
33	396	Communication Equipment		10.00%			-	-	-	-	-
34	397	Miscellaneous Equipment		10.00%			-	-	-	-	-
35	398	Other Tangible Plant		5.00%			-	-	-	-	-
36							-	-	-	-	-
40		Totals			$ 1,207,500	$ -	$ 1,207,500	$ 1,207,500	$ 213,240	$ 10,018,780	$ 280,145
42		Composite Rate with 1/2 yr convention							2.43%		

Line No.		
45	Licenses, Taxes, Permits	$ -
46	Engineering and Contingency	-
47	Total	$ -

Line No.		
49	*Capacity Adjustment to Depreciation Expense -	
50	380 Treatment Plant (Requires an Accounting Order)	906
51	Customer connections	2,722
52	Capacity (in customer connections)	0.3328
53	Capacity Factor	

Woodruff Utility Company
Plant
Projected Years

Exhibit
Schedule 1a
Page 3
Witness: Kozoman

With Treatment Plant Depreciation computed on Percent of Capacity

Line No.	Account	Description	CIAC Spread	Depreciation Rate	Estimate	Engineering Permits, Etc.	Year 3 Gross Amt	Year 3 Additions	Year 3 Depreciation*	Year 3 Balance	Year 3 A/D Balance
5	351	Organization		0.00%			$ -	$ -	$ -	$ 25,000	$ -
6	352	Franchises		0.00%			-	-	-	-	-
7	353	Land and Land Rights		0.00%			-	-	-	1,225,000	-
8	354	Structures and Improvements		3.33%			-	-	-	-	-
9	355	Power Generation Equipment		5.00%			-	-	3,750	75,000	9,375
10	360	Collection sewers -Force		2.00%	900,000		900,000	900,000	37,000	2,300,000	61,000
11	361	Collection Sewers - Gravity (AIAC)		2.00%			-	-	-	-	-
12	362	Special Collecting Structures		2.00%			-	-	-	-	-
13	363	Services to customers - Residential	100.00%	2.00%	300,000		300,000	300,000	12,000	750,000	19,500
14	363	Services to customers - None Residential	100.00%	2.00%	4,500		4,500	4,500	95	7,000	120
15	364	Flow measuring Devices		10.00%			-	-	-	-	-
16	365	Flow measuring Installations		10.00%			-	-	-	-	-
17	366	Reuse Services		2.00%			-	-	3,000	150,000	7,500
18	367	Reuse Meters and Meter Install		8.33%			-	-	-	-	-
19	370	Receiving Wells		3.33%	725,000		725,000	725,000	12,071	725,000	12,071
20	371	Pumping Equipment		12.50%	300,000		300,000	300,000	93,125	895,000	204,688
21	374	Reuse Distribution Reservoirs		2.50%			-	-	-	-	-
22	375	Reuse Transmission and Distrib		2.50%			-	-	-	-	-
23	380	Treatment and Disposal Equipment*		5.00%			-	-	168,205	6,056,280	285,738
24	381	Plant Sewers		5.00%			-	-	-	-	-
25	382	Outfall Sewer Lines		3.33%			-	-	-	-	-
26	389	Other Plant and Miscellaneous		6.67%			-	-	-	-	-
27	390	Office Furniture and Equipment		6.67%			-	-	-	-	-
28	391	Transportation Equipment		20.00%			-	-	6,000	30,000	15,000
29	392	Stores Equipment		4.00%	5,000		5,000	5,000	500	15,000	900
30	393	Tools, Shop and Garage Equipme		5.00%			-	-	-	-	-
31	394	Laboratory Equipment		10.00%			-	-	-	-	-
32	395	Power Operated Equipment		5.00%			-	-	-	-	-
33	396	Communication Equipment		10.00%			-	-	-	-	-
34	397	Miscellaneous Equipment		10.00%			-	-	-	-	-
35	398	Other Tangible Plant		5.00%			-	-	-	-	-
36							-	-	-	-	-
40		Totals			$ 2,234,500	$ -	$ 2,234,500	$ 2,234,500	$ 335,747	$ 12,253,280	$ 615,891
42		Composite Rate with 1/2 yr convention							3.05%		

45	Licenses, Taxes, Permits	$ -
46	Engineering and Contingency	-
47	Total	$ -

49	*Capacity Adjustment to Depreciation Expense -	
50	380 Treatment Plant (Requires an Accounting Order)	1,512
51	Customer connections	2,722
52	Capacity (in customer connections)	0.5555
53	Capacity Factor	

Woodruff Utility Company
Plant
Projected Years

Exhibit
Schedule 1a
Page 4
Witness: Kozoman

With Treatment Plant Depreciation computed on Percent of Capacity

Line No.	Account	Description	CIAC Spread	Depreciation Rate	Year 1 Estimate	Engineering Permits, Etc.	Gross Amt	Additions	Depreciation*	Balance	A/D Balance
5	351	Organization		0.00%			$ -	$ -	$ -	$ 25,000	$ -
6	352	Franchises		0.00%			-	-	-	-	-
7	353	Land and Land Rights		0.00%			-	-	-	1,225,000	-
8	354	Structures and Improvements		3.33%			-	-	-	-	-
9	355	Power Generation Equipment		5.00%			-	-	3,750	75,000	13,125
10	360	Collection sewers -Force		2.00%	900,000		900,000	900,000	55,000	3,200,000	116,000
11	361	Collection Sewers - Gravity (AIAC)		2.00%			-	-	-	-	-
12	362	Special Collecting Structures		2.00%			-	-	-	-	-
13	363	Services to customers - Residential	100.00%	2.00%	300,000		300,000	300,000	18,000	1,050,000	37,500
14	363	Services to customers - None Residential	100.00%	2.00%	2,500		2,500	2,500	165	9,500	285
15	364	Flow measuring Devices		10.00%			-	-	-	-	-
16	365	Flow measuring Installations		10.00%			-	-	-	-	-
17	366	Reuse Services		2.00%			-	-	3,000	150,000	10,500
18	367	Reuse Meters and Meter Install		8.33%			-	-	-	-	-
19	370	Receiving Wells		3.33%			-	-	24,143	725,000	36,214
20	371	Pumping Equipment		12.50%			-	-	111,875	895,000	316,563
21	374	Reuse Distribution Reservoirs		2.50%			-	-	-	-	-
22	375	Reuse Transmission and Distrib		2.50%			-	-	-	-	-
23	380	Treatment and Disposal Equipment*		5.00%			-	-	235,510	6,056,280	521,247
24	381	Plant Sewers		5.00%			-	-	-	-	-
25	382	Outfall Sewer Lines		3.33%			-	-	-	-	-
26	389	Other Plant and Miscellaneous		6.67%			-	-	-	-	-
27	390	Office Furniture and Equipment		6.67%			-	-	-	-	-
28	391	Transportation Equipment		20.00%			-	-	6,000	30,000	21,000
29	392	Stores Equipment		4.00%	5,000		5,000	5,000	700	20,000	1,600
30	393	Tools, Shop and Garage Equipme		5.00%			-	-	-	-	-
31	394	Laboratory Equipment		10.00%			-	-	-	-	-
32	395	Power Operated Equipment		5.00%			-	-	-	-	-
33	396	Communication Equipment		10.00%			-	-	-	-	-
34	397	Miscellaneous Equipment		10.00%			-	-	-	-	-
35	398	Other Tangible Plant		5.00%			-	-	-	-	-
36							-	-	-	-	-
37											
38											
39											
40		Totals			$ 1,207,500	$ -	$ 1,207,500	$ 1,207,500	$ 458,142	$ 13,460,780	$ 1,074,033
41											
42		Composite Rate with 1/2 yr convention							3.75%		
43											
44											
45		Licenses, Taxes, Permits				$ -					
46		Engineering and Contingency				-					
47		Total				$ -					
48											
49	*Capacity Adjustment to Depreciation Expense -										
50	380 Treatment Plant (Requires an Accounting Order)					2,117					
51	Customer connections					2,722					
52	Capacity (in customer connections)					0.7777					
53	Capacity Factor										

Woodruff Utility Company
Plant
Projected Years

Exhibit
Schedule 1a
Page 5
Witness: Kozoman

With Treatment Plant Depreciation computed on Percent of Capacity

Line No.	Account	Description	CIAC Spread	Depreciation Rate	Estimate	Engineering Permits, Etc.	Year 5 Gross Amt	Year 5 Additions	Year 5 Depreciation*	Year 5 Balance	Year 5 A/D Balance
5	351	Organization		0.00%			$ -	$ -	$ -	$ 25,000	$ -
6	352	Franchises		0.00%			-	-	-	-	-
7	353	Land and Land Rights		0.00%			-	-	-	1,225,000	-
8	354	Structures and Improvements		3.33%			-	-	-	-	-
9	355	Power Generation Equipment		5.00%			-	-	3,750	75,000	16,875
10	360	Collection sewers -Force		2.00%	900,000		900,000	900,000	73,000	4,100,000	189,000
11	361	Collection Sewers - Gravity (AIAC)		2.00%			-	-	-	-	-
12	362	Special Collecting Structures		2.00%			-	-	-	-	-
13	363	Services to customers - Residential	100.00%	2.00%	300,000		300,000	300,000	24,000	1,350,000	61,500
14	363	Services to customers - None Residential	100.00%	2.00%	2,500		2,500	2,500	215	12,000	500
15	364	Flow measuring Devices		10.00%			-	-	-	-	-
16	365	Flow measuring Installations		10.00%			-	-	-	-	-
17	366	Reuse Services		2.00%			-	-	3,000	150,000	13,500
18	367	Reuse Meters and Meter Install		8.33%			-	-	-	-	-
19	370	Receiving Wells		3.33%			-	-	24,143	725,000	60,356
20	371	Pumping Equipment		12.50%			-	-	111,875	895,000	428,438
21	374	Reuse Distribution Reservoirs		2.50%			-	-	-	-	-
22	375	Reuse Transmission and Distrib		2.50%			-	-	-	-	-
23	380	Treatment and Disposal Equipment*		5.00%			-	-	302,814	6,056,280	824,061
24	381	Plant Sewers		5.00%			-	-	-	-	-
25	382	Outfall Sewer Lines		3.33%			-	-	-	-	-
26	389	Other Plant and Miscellaneous		6.67%			-	-	-	-	-
27	390	Office Furniture and Equipment		6.67%			-	-	-	-	-
28	391	Transportation Equipment		20.00%			-	-	6,000	30,000	27,000
29	392	Stores Equipment		4.00%	5,000		5,000	5,000	900	25,000	2,500
30	393	Tools, Shop and Garage Equipme		5.00%			-	-	-	-	-
31	394	Laboratory Equipment		10.00%			-	-	-	-	-
32	395	Power Operated Equipment		5.00%			-	-	-	-	-
33	396	Communication Equipment		10.00%			-	-	-	-	-
34	397	Miscellaneous Equipment		10.00%			-	-	-	-	-
35	398	Other Tangible Plant		5.00%			-	-	-	-	-
36							-	-	-	-	-
40		Totals			$ 1,207,500	$ -	$ 1,207,500	$ 1,207,500	$ 549,697	$ 14,668,280	$ 1,623,730
42		Composite Rate with 1/2 yr convention							4.10%		

Licenses, Taxes, Permits	$ -
Engineering and Contingency	-
Total	$ -

*Capacity Adjustment to Depreciation Expense -	
380 Treatment Plant (Requires an Accounting Order)	2,722
Customer connections	2,722
Capacity (in customer connections)	1.0000
Capacity Factor	

Woodruff Utility Company
Projected Capital Financing
Projected Years Ended

Exhibit
Schedule 1b
Page 1
Witness: Kozoman

	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5	Totals
Plant to be Constructed	$ -	$ 8,811,280	$ 1,207,500	$ 2,234,500	$ 1,207,500	$ 1,207,500	$ 14,668,280
Financing:							
Sewer Lines Advanced		$ 500,000	$ 900,000	$ 900,000	$ 900,000	$ 900,000	$ 4,100,000
		-	-	-	-	-	-
Contributions-in-aid of Construction (Hook-up Fees)		150,000	302,500	304,500	302,500	302,500	1,362,000
Common Equity Issued for Plant Construction	-	8,161,280	-	500,000	-	-	8,661,280
Common Equity Issued For Working Capital	25,000	75,000	-	-	-	-	100,000
Debt Financing Issued for Plant Construction							
Internal Cash Used for Plant Additions				-		-	-
Total Financing	$ 25,000	$ 8,886,280	$ 1,202,500	$ 1,704,500	$ 1,202,500	$ 1,202,500	$ 14,223,280

Woodruff Utility Company
Schedule of Developer Advances and Refunds
Projected Years

Exhibit
Schedule 1c
Page 1
Witness: Kozoman

Line No.		Year 0	Year 1	Year 2	Year 3	Year 4	Year 5
1							
2							
3							
4							
5	**Developer Advances Collected**						
6	Internal Parcel Infrastructure	$ -	$ 500,000	$ 900,000	$ 900,000	$ 900,000	$ 900,000
7							
8							
9							
10	Total Collected	$ -	$ 500,000	$ 900,000	$ 900,000	$ 900,000	$ 900,000
11							
12	Cummulative Collected	$ -	$ 500,000	$ 1,400,000	$ 2,300,000	$ 3,200,000	$ 4,100,000
13							
14							
15	**Developer Advances Refunded (a)**						
16	Advances Refunds at 10% of None Effuluent Revenes			11,257	43,556	86,206	128,849
17							
18							
19							
20							
21	Total Refunds	$ -	$ -	$ 11,257	$ 43,556	$ 86,206	$ 128,849
22							
23	Cummulative Refunds	$ -	$ -	$ 11,257	$ 54,814	$ 141,019	$ 269,868
24							
25	Cummulative Balance	$ -	$ 500,000	$ 1,388,743	$ 2,245,186	$ 3,058,981	$ 3,830,132
26							
27							
28	(a) Refund Rate per Year	10% of Revenue from Customers served by line extension					
29							
30							
31							

Woodruff Utility Company
Schedule of Meter Deposits and Refunds
Projected Years

Exhibit
Schedule 1d
Page 1
Witness: Kozoman

Schedule not used

Line No.			Year 0	Year 1	Year 2	Year 3	Year 4	Year 5
1								
2								
3								
4								
5	**Service Line Installations**							
6	Residential			$ -	$ -	$ -	$ -	$ -
7	Commercial			-	-	-	-	-
8	School			-	-	-	-	-
9								
10	Total Collected		$ -	$ -	$ -	$ -	$ -	$ -
11								
12	Cummulative Collected		$ -	$ -	$ -	$ -	$ -	$ -
13								
14	**Service Line Installations Refunded (a)**							
15	Meter Deposits from Year	1			-	-	-	-
16	Meter Deposits from Year	2				-	-	-
17	Meter Deposits from Year	3					-	-
18	Meter Deposits from Year	4						-
19	Meter Deposits from Year	5						
20	Total Refunds		$ -	$ -	$ -	$ -	$ -	$ -
21								
22	Cummulative Refunds		$ -	$ -	$ -	$ -	$ -	$ -
23								
24	Cummulative Balance		$ -	$ -	$ -	$ -	$ -	$ -
25								
26								
27								
28								
29	(a) Refund Rate per Year	10%						
30								

Woodruff Utility Company
Schedule of Contributions-in-Aid of Construction
Projected Years

Exhibit
Schedule 1e
Page 1
Witness: Kozoman

Line No.		Year 0	Year 1	Year 2	Year 3	Year 4	Year 5
1							
2							
3		0	1	2	3	4	5
4							
5	**Contributions (Service Lines)**						
6	Residential	$ -	$ 150,000	$ 300,000	$ 300,000	$ 300,000	$ 300,000
7	Commercial & School			$ 2,500	$ 4,500	$ 2,500	$ 2,500
8			-	-		-	-
9							
10							
11	Total Collected	$ -	$ 150,000	$ 302,500	$ 304,500	$ 302,500	$ 302,500
12							
13	Cummulative Collected	$ -	$ 150,000	$ 452,500	$ 757,000	$ 1,059,500	$ 1,362,000
14							
15	**Amortization**						
16	Composite Rate (1/2 Yr Conv.)	0.00%	2.00%	2.00%	2.00%	2.00%	2.00%
17							
18	Amortization	$ -	$ 1,500	$ 6,025	$ 12,095	$ 18,165	$ 24,215
19							
20	Cummulative Amortization	$ -	$ 1,500	$ 7,525	$ 19,620	$ 37,785	$ 62,000
21							
22	Cummulative Balance	$ -	$ 148,500	$ 444,975	$ 737,380	$ 1,021,715	$ 1,300,000
23							
24			3,000.00				
25							
26							
27							
28							

Woodruff Utility Company
Projected Statements of Income
For the 12 Months Ended

Exhibit
Schedule 2
Page 1
Witness: Kozoman

Line No.				Year 1	Year 2	Year 3	Year 4	Year 5
3	**Total estimated Revenues**			$ 121,603	$ 453,713	$ 880,237	$ 1,306,640	$ 1,727,293
4	**Expenses**							
5	Pumping Power - All	1.20	per 1,000 gals	12,906	52,714	108,670	164,626	218,431
6	Wages			50,000	51,500	53,045	54,636	56,275
7	Payroll Burden			16,500	16,995	17,505	18,030	18,571
8	Permits (Not Caplitalized to Plant)			5,000	5,000	5,000	5,000	5,000
9	Licenses (Not Capitalized to Plant)			2,000	2,060	2,122	2,185	2,251
10	Enginnering (Not Capitalized to Plant)			2,000	2,060	2,122	2,185	2,251
11	Chemicals			6,000	9,000	12,000	15,000	18,000
12	Supplies			4,000	5,000	6,000	7,000	8,000
13	Repairs			2,000	6,000	9,000	12,000	15,000
14	Insurance (b)			4,000	4,120	4,244	4,371	4,502
15	Office Expense			1,000	3,000	5,000	7,000	9,000
16	Billing, Postage, Operations (a)(b)	1.50	Per Customer	2,709	10,863	21,762	32,661	43,551
17	Contract Labor			2,000	2,060	2,122	2,185	2,251
18	Rentals			3,000	3,090	3,183	3,278	3,377
19	Administrative Services			40,000	41,200	42,436	43,709	45,020
20	Solids Handling			3,000	3,090	3,183	3,278	3,377
21	Rentals			3,000	3,090	3,183	3,278	3,377
22	Recharge Site Maintenance						18,000	18,000
23	Depreciation net of Amortization of CIAC from schedules 1a and 1e			65,405	207,215	323,652	439,977	525,482
24	Vehicles (b)	$ 3,500		3,500	3,605	3,713	3,825	3,939
25	Legal & Accounting (b)	$ 10,000		10,000	10,300	10,609	10,927	11,255
26	Miscellenous Expenses (b) (e)	$ 4,800		4,800	4,944	5,092	5,245	5,402
27	Testing (d)			4,000	4,120	4,244	4,371	4,502
28	Income Taxes			50	50	17,364	161,090	255,078
29	Property Taxes (f)			2,881	6,434	14,317	26,528	39,637
30								
31	**Total Operating Expenses**			$ 249,751	$ 457,510	$ 679,566	$ 1,050,387	$ 1,321,529
32	**Operating income (loss)**			$ (128,148)	$ (3,797)	$ 200,670	$ 256,253	$ 405,765
33	Less:							
34	Interest (Expense) Income on Work. Cap. (c)			375	939	3,950	6,093	14,580
35	Interest Expense Long-term Debt (c)			-	-	-	-	-
36	**Net Income**			$ (127,773)	$ (2,858)	$ 204,621	$ 262,346	$ 420,345
37	Loss Carryforward Utilized in years in which income tax is $50 (State of Arizona Filing Fee)						$ 423,436	$ 675,422
38	(a) Per customer per month							
39	(b) Annual Inflation of:	3.00%						
40	(c) If Applicable							
41	(d) Based on Testing Cost of $5.00 Per Year Per Customer							
42	(e) Miscellaneous Expenses of $200 per month							
43	(f) See Property Tax Calculation							

Woodruff Utility Company
Schedule of Projected Revenues
For the Years Ended

Exhibit
Schedule 2a
Page 1
Witness: Kozoman

Line No.		Year 1	Year 2	Year 3	Year 4	Year 5
3	Residential					
4	5/8 Inch	$ 102,600	$ 392,400	$ 766,800	$ 1,141,200	$ 1,515,600
5	Establishment Fees	9,000	18,000	18,000	18,000	18,000
6	Total Residential Revenues	111,600	410,400	784,800	1,159,200	1,533,600
7	Commercial					
8	5/8 Inch	-	1,710	4,830	7,950	11,070
9	Establishment Fees	-	150	150	150	150
10	Total Commercial Revenues	-	1,860	4,980	8,100	11,220
11						
12	Effluent Revenues	9,973	41,453	87,901	134,348	177,481
13	Establishment Fees	30				
14	Total Effluent Revenues	10,003	41,453	87,901	134,348	177,481
15						
16	School	-	-	2,526	4,992	4,992
17	Establishment Fees	-	-	30	-	-
18	Total Revenues from School	-	-	2,556	4,992	4,992
19						
20	Total	$ 121,603	$ 453,713	$ 880,237	$ 1,306,640	$ 1,727,293

Woodruff Utility Company
Customer Counts
For Projected Years Ended

Exhibit
Schedule 2a
Page 2
Witness: Kozoman

Line No.		Year				
1						
2	**Year Ended**	**1**	**2**	**3**	**4**	**5**
3	Residential					
4	5/8 Inch	300	900	1,500	2,100	2,700
5						
6	Commercial					
7	5/8 Inch	-	5	10	15	20
8	1 Inch	-	-	-	-	-
9	2 Inch	-	-	-	-	-
10						
11	Irrigation	1	1	1	1	1
12						
13	School 2 Inch	-	-	1	1	1
14						
15						
16						
17	Total	301	906	1,512	2,117	2,722
18						
19						
20	1/2 Year Convention			Year		
21	**Year Ended**	**1**	**2**	**3**	**4**	**5**
22	Residential					
23	5/8 Inch	150.00	600.00	1,200.00	1,800.00	2,400.00
24						
25	Commercial					
26	5/8 Inch	-	2.50	7.50	12.50	17.50
27	1 Inch	-	-	-	-	-
28	2 Inch	-	-	-	-	-
29						
30	Irrigation	0.50	1	1	1	1
31						
32	School 2 Inch	-	-	0.50	1.00	1.00
33						
34						
35						
36	Total	150.50	603.50	1,209.00	1,814.50	2,419.50

Woodruff Utility Company
Gallons Treated (1,000's)
For Projected Years Ended

Exhibit
Schedule 2a
Page 3
Witness: Kozoman

Line No.		Year				
1						
2	**Year Ended**	**1**	**2**	**3**	**4**	**5**
3	Residential					
4	5/8 Inch	10,800	43,200	86,400	129,600	172,800
5						
6	Commercial					
7	5/8 Inch	-	913	2,738	4,563	6,388
8	1 Inch	-	-	-	-	-
9	2 Inch	-	-	-	-	-
10						
11	Irrigation					
12						
13	School 2 Inch	-	-	1,800	3,600	3,600
14						
15						
16						
17	Total	10,800	44,113	90,938	137,763	182,788
18						
19	Commercial & School	-	913	4,538	8,163	9,988
20						
21						
22						

Woodruff Utility Company
Schedule of Projected Revenues
For the Years Ended

Exhibit
Schedule 2a
Page 4
Witness: Kozoman

Line No.									
1									
2	**Projected Customers / Residential 5/8 Inch Meter**								
3									
4					Year				
5					1	2	3	4	5
6	Estimated connections installed by year end								
7	(Cumulative)				300	900	1,500	2,100	2,700
8	Estimated connection installed during the year				300	600	600	600	600
9									
10	1/2 Year Convention for Revenue				150.00	600.00	1,200.00	1,800.00	2,400.00
11									
12	**Projected Revenue**								
13									
14	Annual gallonage delivered (in 1,000's)*		Flow through factor	0.6	10,800	43,200	86,400	129,600	172,800
15	Assuming average usage per month of:			6,000					
16	Daily Gallons				18,000	72,000	144,000	216,000	288,000
17	Residential:								
18	Monthly Mins.	$ 52.00	Minimum Charge		$ 93,600	$ 374,400	$ 748,800	$ 1,123,200	$ 1,497,600
19									
20									
21									
22									
23									
24									
25	Establishment Fees at		$ 30.00		$ 9,000	$ 18,000	$ 18,000	$ 18,000	$ 18,000
26		Total Revenue			$ 102,600	$ 392,400	$ 766,800	$ 1,141,200	$ 1,515,600
27		328.77	= Gallons per Household per day						
28		30.42	= Days in Average Month						
29	*Flow through factor	**60%**	= Wastewater Recovery Rate						
30									
31									
32									

Woodruff Utility Company
Schedule of Projected Revenues
For the Years Ended

Exhibit
Schedule 2a
Page 5
Witness: Kozoman

Line No.												
1												
2	**Projected Customers / School 2 Inch Meter:**											
3												
4							Year					
5							1		2		3	4	5
6	Estimated connections installed by year end										1	1	1
7	(Cumulative)												
8	Estimated connection installed during the year										1	0	0
9													
10	1/2 Year Convention for Revenue						-		-		0.50	1.00	1.00
11													
12	**Projected Revenue**												
13													
14	Annual gallonage delivered (in 1,000's)*		Flow through factor			1	-		-		1,800	3,600	3,600
15	Assuming average usage per month of:				300,000								
16	Daily Gallons				15,000		-		-		5,000	10,000	10,000
17	School:												
18	Monthly Mins. 2 Inch Meter	$	416.00	Minimum Charge			$ -		$ -		$ 2,496	$ 4,992	$ 4,992
19													
20													
21													
22													
23													
24													
25	Establishment Fees at				$ 30.00		$ -		$ -		$ 30	$ -	$ -
26			Total Revenue				$ -		$ -		$ 2,526	$ 4,992	$ 4,992
27	Based on 750 students at 20 gpd flow, year round classes												
28													
29	*Flow through factor			1									
30													
31													
32													

Woodruff Utility Company
Schedule of Projected Revenues
For the Years Ended

Exhibit
Schedule 2a
Page 6
Witness: Kozoman

Line No.	Description				Year 1	Year 2	Year 3	Year 4	Year 5
1									
2	**Projected Customers / Commercial 5/8 Inch Meter**								
3									
4					Year				
5					1	2	3	4	5
6	Estimated connections installed by year end				0	5	10	15	20
7	(Cumulative)								
8	Estimated connection installed during the year				0	5	5	5	5
9									
10	1/2 Year Convention for Revenue				-	2.50	7.50	12.50	17.50
11									
12	**Projected Revenue**								
13									
14	Annual gallonage delivered (in 1,000's)*		Flow through factor	1	-	913	2,738	4,563	6,388
15	Assuming average usage per month of:		30,417						
16	Daily Gallons				-	2,535	7,604	12,674	17,743
17	Commecial								
18	Monthly Mins. 5/8 Inch Meter	$ 52.00	Minimum Charge		$ -	$ 1,560	$ 4,680	$ 7,800	$ 10,920
19									
20									
21									
22									
23									
24									
25	Establishment Fees at		$ 30.00		$ -	$ 150	$ 150	$ 150	$ 150
26	Total Revenue				$ -	$ 1,710	$ 4,830	$ 7,950	$ 11,070
27		1,000	= Gallons per Business per day						
28		30.42	= Days in Average Month						
29	*Flow through factor	**100%**	= Wastewater Recovery Rate						
30									
31									
32									

Woodruff Utility Company
Schedule of Projected Revenues
For the Years Ended

Exhibit
Schedule 2a
Page 7
Witness: Kozoman

Line No.				Year 1	Year 2	Year 3	Year 4	Year 5
1								
2	**Projected Customers / Commercial 1 Inch Meter**							
3								
4				Year				
5				1	2	3	4	5
6	Estimated connections installed by year end							
7	(Cumulative)							
8	Estimated connection installed during the year							
9								
10	1/2 Year Convention for Revenue			-	-	-	-	-
11								
12	**Projected Revenue**							
13								
14	Annual gallonage delivered (in 1,000's)*	Flow through factor	0.6	-	-	-	-	-
15	Assuming average usage per month of:	12,000						
16	Daily Gallons			-	-	-	-	-
17	Commecial							
18	Monthly Mins. 1 Inch Meter $ 130.00	Minimum Charge		$ -	$ -	$ -	$ -	$ -
19								
20								
21								
22								
23								
24								
25	Establishment Fees at	$ -	**	$ -	$ -	$ -	$ -	$ -
26	Total Revenue			$ -	$ -	$ -	$ -	$ -
27								
28								
29	*Flow through factor	0.6						
30	** Not collected if sewer customer is also taking water service.							
31								
32								

Woodruff Utility Company
Schedule of Projected Revenues
For the Years Ended

Exhibit
Schedule 2a
Page 8
Witness: Kozoman

Line No.									
1									
2	**Projected Customers / Commercial 2 Inch Meter**								
3									
4					Year				
5					1	2	3	4	5
6	Estimated connections installed by year end								
7	(Cumulative)				-	-	-	-	-
8	Estimated connection installed during the year				-	-	-	-	-
9									
10	1/2 Year Convention for Revenue				-	-	-	-	-
11									
12	**Projected Revenue**								
13									
14	Annual gallonage delivered (in 1,000's)*	Flow through factor		0.6	-	-	-	-	-
15	Assuming average usage per month of:		18,000						
16	Daily Gallons				-	-	-	-	-
17	Commecial								
18	Monthly Mins. 2 Inch Meter $ 416.00	Minimum Charge			$ -	$ -	$ -	$ -	$ -
19									
20									
21									
22									
23									
24									
25	Establishment Fees at		$ 30.00 **		$ -	$ -	$ -	$ -	$ -
26	Total Revenue				$ -	$ -	$ -	$ -	$ -
27									
28									
29	*Flow through factor	0.6							
30	** Not collected if sewer customer is also taking water service.								
31									
32									

Woodruff Utility Company
Schedule of Projected Revenues / Effluent
For the Years Ended

Exhibit
Schedule 2a
Page 9
Witness: Kozoman

Line No.			Year 1	Year 2	Year 3	Year 4	Year 5
1							
2							
3							
4							
5							
6							
7	**Projected Revenue**						
8	**Customers / Residential**						
9	Annual gallonage delivered (in 1,000's)*		10,800	44,113	90,938	137,763	182,788
10	Annual gallonage delivered (in Acre Feet)*		33.14	135.38	279.08	422.78	560.95
11	**Customers / Commercial**						
12	Annual gallonage delivered (in 1,000's)*		-	912.50	2,737.50	4,562.50	6,387.50
13	Annual gallonage delivered (in Acre Feet)*			2.80	8.40	14.00	19.60
14	**Customers / School**						
15	Annual gallonage delivered (in 1,000's)*				1,800.00	3,600.00	3,600.00
16	Annual gallonage delivered (in Acre Feet)*				5.52	11.05	11.05
17	**Totals**						
18	Annual gallonage delivered (in 1,000's)*		10,800.00	45,025.00	95,475.00	145,925.00	192,775.00
19	Annual gallonage delivered (in Acre Feet)*		33.14	138.18	293.00	447.83	591.60
20							
21	Charge per Acre Foot	$ 300.00	$ 9,943	$ 41,453	$ 87,901	$ 134,348	$ 177,481
22							
23							
24	Price per 1,000 gallons =	$ 0.92					
25							
26	Establishment Fee		30				
27							
28							
29		Total Effluent Revenue	$ 9,973	$ 41,453	$ 87,901	$ 134,348	$ 177,481
30	**Customers**		1	1	1	1	1
31							
32	*Flow through factor	N/A					
33	\						
34							
35							

Woodruff Utility Company
Schedule for the Computation of Projected
Property Taxes for the Years Ended

Exhibit
Schedule 2b
Page 1
Witness: Kozoman

Line No.		Year 1	Year 2	Year 3	Year 4	Year 5
3	Revenue Component 1	$ 121,603	$ 121,603	$ 121,603	$ 453,713	$ 880,237
4	Revenue Component 2	121,603	121,603	453,713	880,237	1,306,640
5	Revenue Component 3	121,603	453,713	880,237	1,306,640	1,727,293
7	Average 3 years of revenue	$ 121,603	$ 232,306	$ 485,184	$ 880,197	$ 1,304,723
8	Add:					
9	Construction Work in Progress at 10%	0	0	0	0	0
10	Deduct:					
11	Book Value of Transportation Equipment	27,000	21,000	15,000	9,000	3,000
13	Full Cash Value	$ 94,603	$ 211,306	$ 470,184	$ 871,197	$ 1,301,723
16	Times Assessment Ratio	25.00%	25.00%	25.00%	25.00%	25.00%
18	Assessed Value	$ 23,651	$ 52,827	$ 117,546	$ 217,799	$ 325,431
20	Property Tax Rate (State Wide Rate Used)	12.18%	12.18%	12.18%	12.18%	12.18%
22	**Computed Property Tax**	$ 2,881	$ 6,434	$ 14,317	$ 26,528	$ 39,637

Woodruff Utility Company
Projected Cash Flows
For the Years Ended

Exhibit
Schedule 3
Page 1
Witness: Kozoman

Line No.		Year 0	Year 1	Year 2	Year 3	Year 4	Year 5
3	**Cash from Operations**						
4	Beginning Cash Balance	$ -	$ 25,000	$ 37,633	$ 225,732	$ 180,448	$ 791,565
6	Income from Operations		(127,773)	(2,858)	204,621	262,346	420,345
7	Add Depreciation expense		65,405	207,215	323,652	439,977	525,482
9	**Total Cash From Operations**	$ -	$ (62,367)	$ 204,357	$ 528,272	$ 702,323	$ 945,826
11	**Cash from Financing**						
13	Deposits (security) collected	$ -	$ -	$ -	$ -	$ -	$ -
14	Long-Term Debt	-	-	-	-	-	-
15	Common Equity	25,000	8,236,280	-	500,000	-	-
16	Advances in Aid of Const.	-	500,000	900,000	900,000	900,000	900,000
17	Contribution in Aid of Const. (Hook-up Fees)	-	150,000	302,500	304,500	302,500	302,500
18	Meter Deposits Collected	-	-	-	-	-	-
21	**Total Cash from Financing**	$ 25,000	$ 8,886,280	$ 1,202,500	$ 1,704,500	$ 1,202,500	$ 1,202,500
25	**Uses of Cash:**						
28	Long-term debt Repayment						
29	Advances Refunded	$ -	$ -	$ 11,257	$ 43,556	$ 86,206	$ 128,849
30	Meter Deposit Refunded	-	-	-	-	-	-
31	Deposit (Security) refunded						
32	Capital Improvements - Plant	-	8,811,280	1,207,500	2,234,500	1,207,500	1,207,500
34	**Total Cash Uses**	$ -	$ 8,811,280	$ 1,218,757	$ 2,278,056	$ 1,293,706	$ 1,336,349
36	**Ending Cash Balance**	$ 25,000	$ 37,633	$ 225,732	$ 180,448	$ 791,565	$ 1,603,543
39	Interest Income: Assuming Earning Equal to Inflation Factor on Average Cash Balance						
40	Average Cash Balance	$ 12,500	$ 31,316	$ 131,682	$ 203,090	$ 486,007	$ 1,197,554
41	Interest Earned	$ 375	$ 939	$ 3,950	$ 6,093	$ 14,580	$ 35,927

Woodruff Utility Company
REPRESENTATIVE RATE SCHEDULE

Exhibit
Schedule 4
Page 1
Witness: Kozoman

LINE NO.	METER SIZE	PROPOSED RATES MONTHLY CHARGE
1	METER SIZE	MONTHLY CHARGE
2		
3	MONTHLY MINIMUMS:	
4	5/8 x 3/4 And	$ 52.00
5	3/4	$ 52.00
6	1	$ 130.00
7	1 1/2	$ 260.00
8	2	$ 416.00
9	3	$ 832.00
10	4	$ 1,300.00
11	6	$ 2,600.00
12		
13	Treated Effluent per Acre Foot (For General Irrigation)	$ 300.00
14	Treated Effluent per 1,000 Gallons (For General Irrigation)	$ 0.92
15		
16	Treated Effluent per Acre Foot (For Agricultural Irrigation)	$ 32.59
17	Treated Effluent per 1,000 Gallons (For Agricultural Irrigation)	$ 0.10
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		

Woodruff Utility Company
REPRESENTATIVE RATE SCHEDULES
STATEMENT OF CHARGES

Exhibit
Schedule 5
Page 1
Witness: Kozoman

LINE NO.		Proposed
1	A. Establishment of Service	$ 30.00
2	Establishment of Service, after hours	$ 50.00
3	(Collected only if customer is sewer customer only)	
4	B. Re-establishment of Service	see (a)
5		
6	C. Reconnection of service	$ 30.00
7		
8	D. After hours service charge, per hour	$ 50.00
9		
10	E. Minimum Deposit Two Times Monthly Bill	
11		
12	F. Charge for NSF Check	$ 35.00
13		
14	G. Late payment charge for delinquent bills	
15		
16	H. Deferred Payment Finance Charge	1.50%
17		
18	I. Main Extension and additional facilities agreements,	@ COST (b)
19		
20		
21	J. All Revenue related taxes will be charged customers.	
22		
23	K. Deferred Payment	1.50% Per Month
24	L. Late Payment	1.50% Per Month
25		
26		
27	RULES AND REGULATIONS	
28	• The Company has adopted the Rules and Regulation established by the Commission	
29	as the basis for its operating procedures. Arizona Corporation Commission Rules	
30	will be controlling of Company procedures, unless specific Commission Orders	
31	provide otherwise.	
32	(a) Monthly minimum times months off the system	
33	(b) Cost to include parts, labor, overhead, and all applicable taxes, including	
34	income tax.	
35		
36		
37		
38		

E

ATTACHMENT – E

Public Notices

Woodruff Utility Company
2555 E. Camelback Road, Suite 700
Phoenix, AZ 85016

May 28, 2004

Mr. & Mrs. Howard Wuertz
3227 W. Bechtel Road
Coolidge AZ 85228

Dear Mr. & Mrs. Wuertz:

We are in the process of filing the necessary forms and documentation for establishing the sewer service provider, Woodruff Utility Company, for the planned community Sandia.

The process of formation requires that we obtain a certificate of convenience and necessity, (CCN) and notify the land owners within the area that Woodruff Utility Company will commit to provide sewer service to.

The attached letter is the formal notification to you, the property owner, that Woodruff Utility Company is requesting a CCN.

Please contact either me or Russ Shasky at 602-956-7200, if you have any questions or concerns regarding this application.

Sincerely,

Karl Polen
Vice President

Woodruff Utility Company
2555 E. Camelback Road, Suite 700
Phoenix, AZ 85016

May 28, 2004

Mr. & Mrs. Howard Wuertz
3227 W. Bechtel Road
Coolidge AZ 85228

Dear Mr. & Mrs. Wuertz:

Woodruff Utility Company has filed with the Arizona Corporation Commission an application for authority to provide sewer service to an area in which records indicate that you are a property owner. If the application is granted, Woodruff Utility Company will be the exclusive provider of sewer service to the proposed area. Woodruff Utility Company will be required by the Arizona Corporation Commission to provide this service under the rate, charges, terms, and conditions established by the commission. The granting of the application would not necessarily prohibit an individual from providing service to themselves from individually owned facilities on their property. The application is available for inspection during regular business hours at the offices of the Arizona Corporation Commission, 1200 W. Washington Street, Phoenix, Arizona 85007 and at Woodruff Utility Company, 2555 E. Camelback Road, Suite 700, Phoenix, Arizona 85016.

The Arizona Corporation Commission will hold a hearing on this matter. As a property owner, you may have the right to intervene in the proceeding. If you do not wish to intervene, you may appear at the hearing and make a statement on your own behalf. You may contact the commission at the address and telephone number listed below for the date and time of the hearing and for more information on intervention. You may not receive any further notice of the proceeding unless requested by you.

If you have any questions or concerns about this application, have any objections to its approval, or wish to make a statement in support of it, you may contact the consumer services section of the Arizona Corporation Commission at 1200 W. Washington Street, Phoenix, Arizona, 85007, or call 1-800-222-7000.

Sincerely,

Karl Polen
Vice President

Woodruff Utility Company
2555 E. Camelback Road, Suite 700
Phoenix, AZ 85016

May 28, 2004

Ms. Sarah Lynn Wuertz
3227 W. Bechtel Road
Coolidge AZ 85228

Dear Ms. Wuertz:

Woodruff Utility Company has filed with the Arizona Corporation Commission an application for authority to provide sewer service to an area in which records indicate that you are a property owner. If the application is granted, Woodruff Utility Company will be the exclusive provider of sewer service to the proposed area. Woodruff Utility Company will be required by the Arizona Corporation Commission to provide this service under the rate, charges, terms, and conditions established by the commission. The granting of the application would not necessarily prohibit an individual from providing service to themselves from individually owned facilities on their property. The application is available for inspection during regular business hours at the offices of the Arizona Corporation Commission, 1200 W. Washington Street, Phoenix, Arizona 85007 and at Woodruff Utility Company, 2555 E. Camelback Road, Suite 700, Phoenix, Arizona 85016.

The Arizona Corporation Commission will hold a hearing on this matter. As a property owner, you may have the right to intervene in the proceeding. If you do not wish to intervene, you may appear at the hearing and make a statement on your own behalf. You may contact the commission at the address and telephone number listed below for the date and time of the hearing and for more information on intervention. You may not receive any further notice of the proceeding unless requested by you.

If you have any questions or concerns about this application, have any objections to its approval, or wish to make a statement in support of it, you may contact the consumer services section of the Arizona Corporation Commission at 1200 W. Washington Street, Phoenix, Arizona, 85007, or call 1-800-222-7000.

Sincerely,

Karl Polen
Vice President

Woodruff Utility Company
2555 E. Camelback Road, Suite 700
Phoenix, AZ 85016

May 28, 2004

Ms. Sarah Lynn Wuertz
3227 W. Bechtel Road
Coolidge AZ 85228

Dear Ms. Wuertz:

We are in the process of filing the necessary forms and documentation for establishing the sewer service provider, Woodruff Utility Company, for the planned community Sandia.

The process of formation requires that we obtain a certificate of convenience and necessity, (CCN) and notify the land owners within the area that Woodruff Utility Company will commit to provide sewer service to.

The attached letter is the formal notification to you, the property owner, that Woodruff Utility Company is requesting a CCN.

Please contact either me or Russ Shasky at 602-956-7200, if you have any questions or concerns regarding this application.

Sincerely,

Karl Polen
Vice President

Woodruff Utility Company
2555 E. Camelback Road, Suite 700
Phoenix, AZ 85016

May 28, 2004

Mr. Gregory Wuertz
3422 N. Vail
Coolidge AZ 85228

Dear Mr. Wuertz:

Woodruff Utility Company has filed with the Arizona Corporation Commission an application for authority to provide sewer service to an area in which records indicate that you are a property owner. If the application is granted, Woodruff Utility Company will be the exclusive provider of sewer service to the proposed area. Woodruff Utility Company will be required by the Arizona Corporation Commission to provide this service under the rate, charges, terms, and conditions established by the commission. The granting of the application would not necessarily prohibit an individual from providing service to themselves from individually owned facilities on their property. The application is available for inspection during regular business hours at the offices of the Arizona Corporation Commission, 1200 W. Washington Street, Phoenix, Arizona 85007 and at Woodruff Utility Company, 2555 E. Camelback Road, Suite 700, Phoenix, Arizona 85016.

The Arizona Corporation Commission will hold a hearing on this matter. As a property owner, you may have the right to intervene in the proceeding. If you do not wish to intervene, you may appear at the hearing and make a statement on your own behalf. You may contact the commission at the address and telephone number listed below for the date and time of the hearing and for more information on intervention. You may not receive any further notice of the proceeding unless requested by you.

If you have any questions or concerns about this application, have any objections to its approval, or wish to make a statement in support of it, you may contact the consumer services section of the Arizona Corporation Commission at 1200 W. Washington Street, Phoenix, Arizona, 85007, or call 1-800-222-7000.

Sincerely,

Karl Polen
Vice President

Woodruff Utility Company
2555 E. Camelback Road, Suite 700
Phoenix, AZ 85016

May 28, 2004

Mr. Gregory Wuertz
3422 N. Vail
Coolidge AZ 85228

Dear Mr. Wuertz:

We are in the process of filing the necessary forms and documentation for establishing the sewer service provider, Woodruff Utility Company, for the planned community Sandia.

The process of formation requires that we obtain a certificate of convenience and necessity, (CCN) and notify the land owners within the area that Woodruff Utility Company will commit to provide sewer service to.

The attached letter is the formal notification to you, the property owner, that Woodruff Utility Company is requesting a CCN.

Please contact either me or Russ Shasky at 602-956-7200, if you have any questions or concerns regarding this application.

Sincerely,

Karl Polen
Vice President

Woodruff Utility Company
2555 E. Camelback Road, Suite 700
Phoenix, AZ 85016

May 28, 2004

Ms. Carol Wuertz-Behrens
3227 W. Bechtel Road
Coolidge AZ 85228

Dear Ms. Wuertz-Behrens:

Woodruff Utility Company has filed with the Arizona Corporation Commission an application for authority to provide sewer service to an area in which records indicate that you are a property owner. If the application is granted, Woodruff Utility Company will be the exclusive provider of sewer service to the proposed area. Woodruff Utility Company will be required by the Arizona Corporation Commission to provide this service under the rate, charges, terms, and conditions established by the commission. The granting of the application would not necessarily prohibit an individual from providing service to themselves from individually owned facilities on their property. The application is available for inspection during regular business hours at the offices of the Arizona Corporation Commission, 1200 W. Washington Street, Phoenix, Arizona 85007 and at Woodruff Utility Company, 2555 E. Camelback Road, Suite 700, Phoenix, Arizona 85016.

The Arizona Corporation Commission will hold a hearing on this matter. As a property owner, you may have the right to intervene in the proceeding. If you do not wish to intervene, you may appear at the hearing and make a statement on your own behalf. You may contact the commission at the address and telephone number listed below for the date and time of the hearing and for more information on intervention. You may not receive any further notice of the proceeding unless requested by you.

If you have any questions or concerns about this application, have any objections to its approval, or wish to make a statement in support of it, you may contact the consumer services section of the Arizona Corporation Commission at 1200 W. Washington Street, Phoenix, Arizona, 85007, or call 1-800-222-7000.

Sincerely,

Karl Polen
Vice President

Woodruff Utility Company
2555 E. Camelback Road, Suite 700
Phoenix, AZ 85016

May 28, 2004

Ms. Carol Wuertz-Behrens
3227 W. Bechtel Road
Coolidge AZ 85228

Dear Ms. Wuertz-Behrens:

We are in the process of filing the necessary forms and documentation for establishing the sewer service provider, Woodruff Utility Company, for the planned community Sandia.

The process of formation requires that we obtain a certificate of convenience and necessity, (CCN) and notify the land owners within the area that Woodruff Utility Company will commit to provide sewer service to.

The attached letter is the formal notification to you, the property owner, that Woodruff Utility Company is requesting a CCN.

Please contact either me or Russ Shasky at 602-956-7200, if you have any questions or concerns regarding this application.

Sincerely,

Karl Polen
Vice President

Woodruff Utility Company
2555 E. Camelback Road, Suite 700
Phoenix, AZ 85016

May 28, 2004

Mr. David A. Wuertz
3906 N. Sunshine Blvd.
Casa Grande AZ 85222

Dear Mr. Wuertz:

Woodruff Utility Company has filed with the Arizona Corporation Commission an application for authority to provide sewer service to an area in which records indicate that you are a property owner. If the application is granted, Woodruff Utility Company will be the exclusive provider of sewer service to the proposed area. Woodruff Utility Company will be required by the Arizona Corporation Commission to provide this service under the rate, charges, terms, and conditions established by the commission. The granting of the application would not necessarily prohibit an individual from providing service to themselves from individually owned facilities on their property. The application is available for inspection during regular business hours at the offices of the Arizona Corporation Commission, 1200 W. Washington Street, Phoenix, Arizona 85007 and at Woodruff Utility Company, 2555 E. Camelback Road, Suite 700, Phoenix, Arizona 85016.

The Arizona Corporation Commission will hold a hearing on this matter. As a property owner, you may have the right to intervene in the proceeding. If you do not wish to intervene, you may appear at the hearing and make a statement on your own behalf. You may contact the commission at the address and telephone number listed below for the date and time of the hearing and for more information on intervention. You may not receive any further notice of the proceeding unless requested by you.

If you have any questions or concerns about this application, have any objections to its approval, or wish to make a statement in support of it, you may contact the consumer services section of the Arizona Corporation Commission at 1200 W. Washington Street, Phoenix, Arizona, 85007, or call 1-800-222-7000.

Sincerely,

Karl Polen
Vice President

Woodruff Utility Company
2555 E. Camelback Road, Suite 700
Phoenix, AZ 85016

May 28, 2004

Mr. David A. Wuertz
3906 N. Sunshine Blvd.
Casa Grande AZ 85222

Dear Mr. Wuertz:

We are in the process of filing the necessary forms and documentation for establishing the sewer service provider, Woodruff Utility Company, for the planned community Sandia.

The process of formation requires that we obtain a certificate of convenience and necessity, (CCN) and notify the land owners within the area that Woodruff Utility Company will commit to provide sewer service to.

The attached letter is the formal notification to you, the property owner, that Woodruff Utility Company is requesting a CCN.

Please contact either me or Russ Shasky at 602-956-7200, if you have any questions or concerns regarding this application.

Sincerely,

Karl Polen
Vice President

F

ATTACHMENT – F

Certificate of Good Standing

STATE OF ARIZONA

Office of the
CORPORATION COMMISSION

CERTIFICATE OF GOOD STANDING

To all to whom these presents shall come, greeting:

I, Brian C. McNeil, Executive Secretary of the Arizona Corporation Commission, do hereby certify that

******WOODRUFF UTILITY COMPANY******

a domestic corporation organized under the laws of the State of Arizona, did incorporate on March 31, 2004.

I further certify that according to the records of the Arizona Corporation Commission, as of the date set forth hereunder, the said corporation is not administratively dissolved for failure to comply with the provisions of the Arizona Business Corporation Act; that its most recent Annual Report, subject to the provisions of A.R.S. sections 10-122, 10-123, 10-125 & 10-1622, has been delivered to the Arizona Corporation Commission for filing; and that the said corporation has not filed Articles of Dissolution as of the date of this certificate.

This certificate relates only to the legal existence of the above named entity as of the date issued. This certificate is not to be construed as an endorsement, recommendation, or notice of approval of the entity's condition or business activities and practices.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of the Arizona Corporation Commission. Done at Phoenix, the Capital, this 13th Day of May, 2004, A. D.

SEAL OF THE ARIZONA CORPORATION COMMISSION
DITAT DEUS
1912

Executive Secretary

By Pam Bedard

TIME IN:

CC: Ross Sharky

MARISCAL, WEEKS, MCINTYRE & FRIEDLANDER, P.A.
2901 North Central, Suite 200
Phoenix, Arizona 85012-2705
Phone: (602) 285-5000
Fax: (602) 285-5100

04 MAY 13 PM 4:41

PLEASE DELIVER THE FOLLOWING MATERIAL AS SOON AS POSSIBLE

THE INFORMATION CONTAINED IN THIS FACSIMILE MESSAGE IS ATTORNEY PRIVILEGED AND CONFIDENTIAL INFORMATION INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY NAMED BELOW. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT, OR THE EMPLOYEE OR AGENT RESPONSIBLE TO DELIVER IT TO THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION OR COPYING OF THIS COMMUNICATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE IMMEDIATELY NOTIFY US BY TELEPHONE, AND RETURN THE ORIGINAL MESSAGE TO US AT THE ABOVE ADDRESS VIA THE U.S. POSTAL SERVICE. THANK YOU.

RECEIVING PARTY	FIRM NAME	FAX NUMBER
Richard K. Garner, Controller	The Pivotal Group	(602) 956-2313

CONFIRM NO.: **(602) 956-7200**

FROM: **MARK A. SHELTON 602-285-5067**

NUMBER OF PAGES: **2** - INCLUDING COVER PAGE

RE: WOODRUFF UTILITY COMPANY

Attached is a copy of Certificate of Good Standing for this corporation from the Arizona Corporation Commission, dated May 13, 2004.

I will mail the original certificate to you upon receipt.

If you have any questions, please call me. Thank you.

CLIENT NAME: Pivotal
DATE: May 13, 2004
REQUESTER/ATTORNEY: MAS

CLIENT NO: 10552-119
USER NO: 5067

cc: David L. Lansky, Esq.

G

ATTACHMENT – G

Articles of Incorporation

RECORDED COPY
TO BE LATE FILED

ARTICLES OF INCORPORATION

OF

WOODRUFF UTILITY COMPANY

ARTICLE I - NAME

The name of the corporation is Woodruff Utility Company.

ARTICLE II - PURPOSE

The purpose for which the corporation is organized is the transaction of any and all lawful business for which corporations may be incorporated under the laws of the State of Arizona as they may be amended from time to time.

ARTICLE III - INITIAL BUSINESS

The corporation initially intends to engage in the business of providing sewer services.

ARTICLE IV - PLACE OF BUSINESS

The initial place of business of the corporation is 2555 East Camelback Road, Suite 700, Phoenix, Arizona 85016.

ARTICLE V - AUTHORIZED CAPITAL

The corporation shall have authority to issue 100,000 shares of common stock, each share having a par value of one cent ($.01).

ARTICLE VI - STATUTORY AGENT

The name and address of the initial statutory agent of the corporation is David L. Lansky, Esq., Mariseal, Weeks, McIntyre & Friedlander, P.A., 2901 North Central Avenue, Suite 200, Phoenix, Arizona, 85012.

ARTICLE VII - BOARD OF DIRECTORS

The initial Board of Directors shall consist of one (1) director, but the number of persons to serve on the Board of Directors thereafter shall be fixed by the Bylaws of the corporation. The persons who is to serve as director until the first annual meeting of the shareholders or until his successors are elected and qualified, is:

Karl Polen	2555 East Camelback Road Suite 700 Phoenix, Arizona 85016

ARTICLE VIII - INCORPORATOR

The incorporator of the corporation is:

Karl Polen	2555 East Camelback Road Suite 700 Phoenix, Arizona 85016

All powers, duties and responsibilities of the incorporator shall cease at the time of delivery of these Articles of Incorporation to the Arizona Corporation Commission for filing or immediately following adoption of the initial Bylaws of the corporation.

ARTICLE IX - DISTRIBUTIONS FROM CAPITAL SURPLUS

The Board of Directors of the corporation may, from time to time, distribute on a pro rata basis to its shareholders out of the capital surplus of the corporation a portion of its assets in cash or property.

ARTICLE X - REPURCHASE OF SHARES

The Board of Directors of the corporation may, from time to time, cause the corporation to purchase its own shares to the extent of the unreserved and unrestricted earned and capital surplus of the corporation.

ARTICLE XI - INDEMNIFICATION

The present and former officers and directors of the corporation may be indemnified against, if the Board of Directors shall so resolve, and they shall not be liable to third parties for, any or all claims made against them in such capacity and present or former directors of the corporation shall not be liable to the corporation or its shareholders for monetary damages for

breach of fiduciary duty, all to the greatest extent permitted by law. If subsequent legislation permits the corporation to indemnify, exculpate or limit the liability of its present and former officers and directors to a greater extent than is currently permitted under existing law, then the corporation shall indemnify, exculpate and limit the liability of its present and former officers and directors to the extent permitted by such subsequent legislation. The power of indemnification, the right of exculpation and the limitation of liability set forth above under the Arizona Revised Statutes shall not be denied or limited by the Bylaws.

ARTICLE XII - EXCULPATION

To the fullest extent permitted by Title 10 of the Arizona Revised Statutes as the same exists or may hereafter be amended, no director shall be liable to this Corporation or its stockholders for monetary damages for breach of fiduciary duty as a director.

No repeal or modification of the foregoing paragraph by the stockholders of this Corporation shall adversely affect any right or protection of a director existing at the time of such repeal or modification.

IN WITNESS WHEREOF, I have signed these Articles of Incorporation this ____ day of _____, 2003.

2004

"INCORPORATOR"

_____

Karl Polen

APPOINTMENT OF STATUTORY AGENT

1. The undersigned has been named as the statutory agent in the Articles of Incorporation of Woodruff Utility Company (the "Corporation"), which has been delivered for filing with the Arizona Corporation Commission.

2. The undersigned has been notified of its appointment as agent of the Corporation and hereby accepts its appointment as statutory agent of the Corporation.

_____

David L. Lansky, Esq.

H

ATTACHMENT – H

By-Laws
To Be Late Filed in July 2004

I

ATTACHMENT – I

Sewer Franchise

Woodruff Utility Company
2555 E. Camelback Road, Suite 700
Phoenix, AZ 85016

May 14, 2004

Pinal County
Special Services
Mr. Gary Medina
31 N. Pinal Street, Building A
Florence, AZ 85232

RE: Sewer Franchise

Dear Mr. Medina:

Woodruff Utility Company seeks a sewer franchise for an area located in Pinal County for the purpose of constructing, operating, and maintaining sewer lines in associated facilities in the area and along public streets, alleys, and highways.

The area that Woodruff Utility Company seeks a sewer franchise is Township 5 South, Range 7 East, all of Section 14 except a portion of the Northeast corner, all of Section 13 except portions of the North half, a portion of the North half of Section 23, all of Section 24 except a portion of the West half, all of Section 25, except a portion of the West half. Please see the attached legal description and Exhibits for a detailed description of the area.

A check in the amount of $200 is enclosed for the application fee. Please issue a sewer franchise to the Woodruff Utility Company and send it to my attention at the address above. Please call Russ Shasky at (602) 956-7200 if you have any questions or need anything else to support this request.

Sincerely,

Karl Polen
Vice President

Cc:

Pinal County Board of Supervisors
ATTN: Jimmie B. Kerr
P.O. Box 827
Florence, Arizona 85232

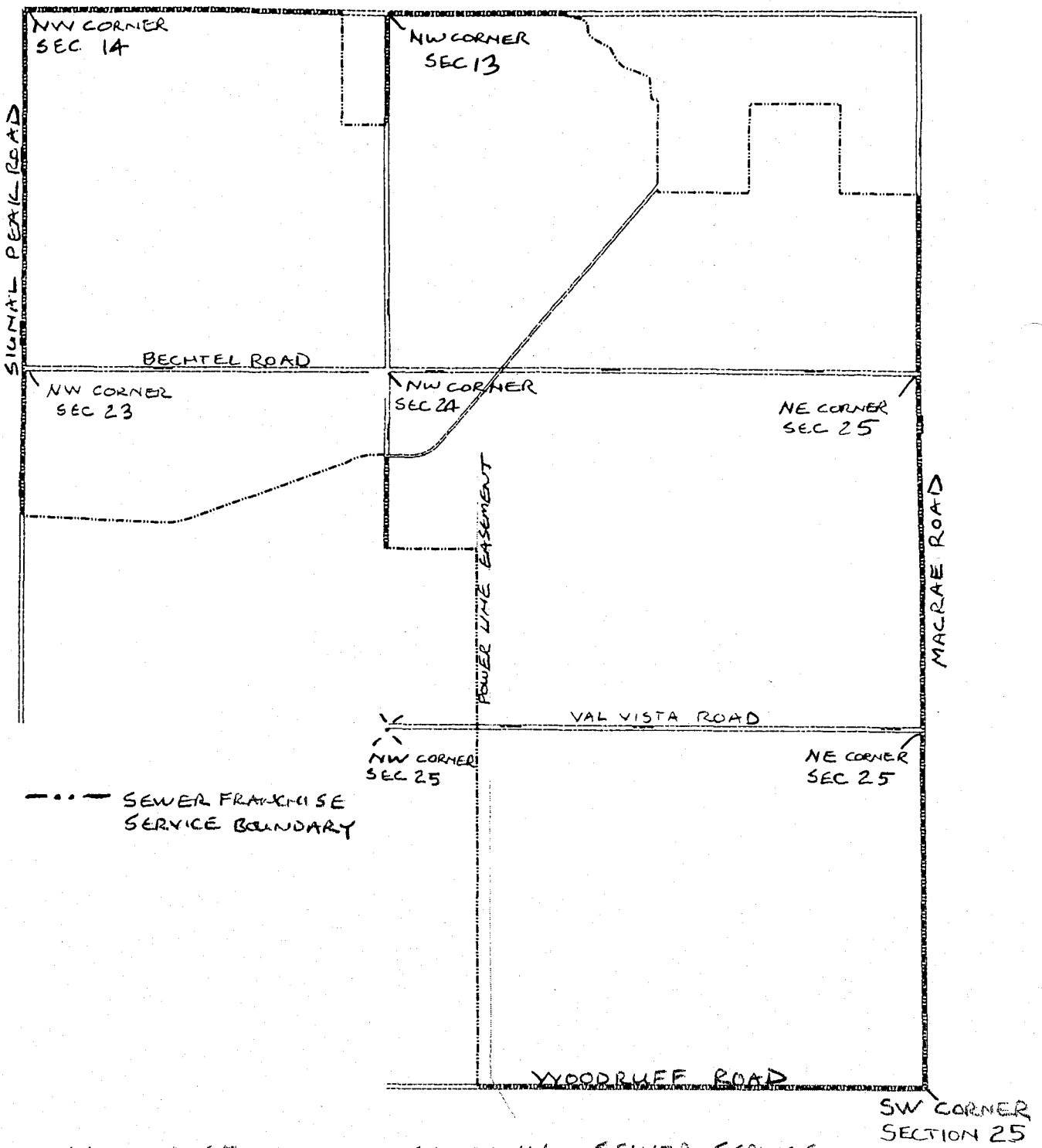
Robert F. Flatley, City Manager
City of Coolidge
130 W. Central Avenue
Coolidge, AZ 85228

Enclosures

WOODRUFF UTILITY CO.
ATTACHMENT A

PINAL COUNTY
WEST OF COOLIDGE

SECTIONS 13, 14, 23, 24, 25
TOWNSHIP 5 SOUTH
RANGE 7 EAST



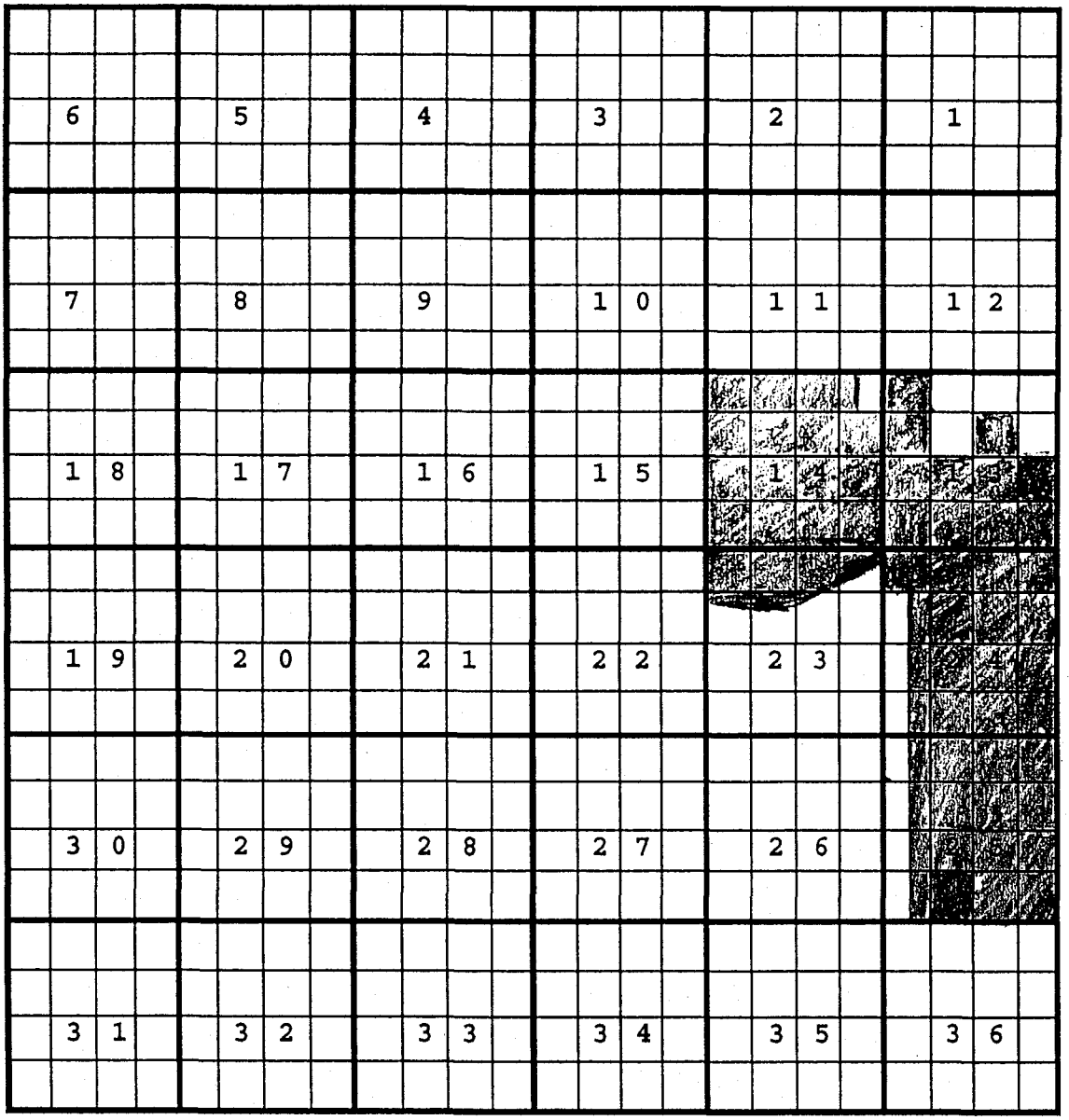
WOODRUFF UTILITY COMPANY - SEWER SERVICE FRANCHISE AREA

CS-5

WOODRUFF UTILITY CO.

ATTACHMENT "B"

COUNTY	SECTION	TOWNSHIP	RANGE
Pinal County West of Coolidge	Sections 13, 14, 23, 24, 25	Township 5 South	Range 7 East

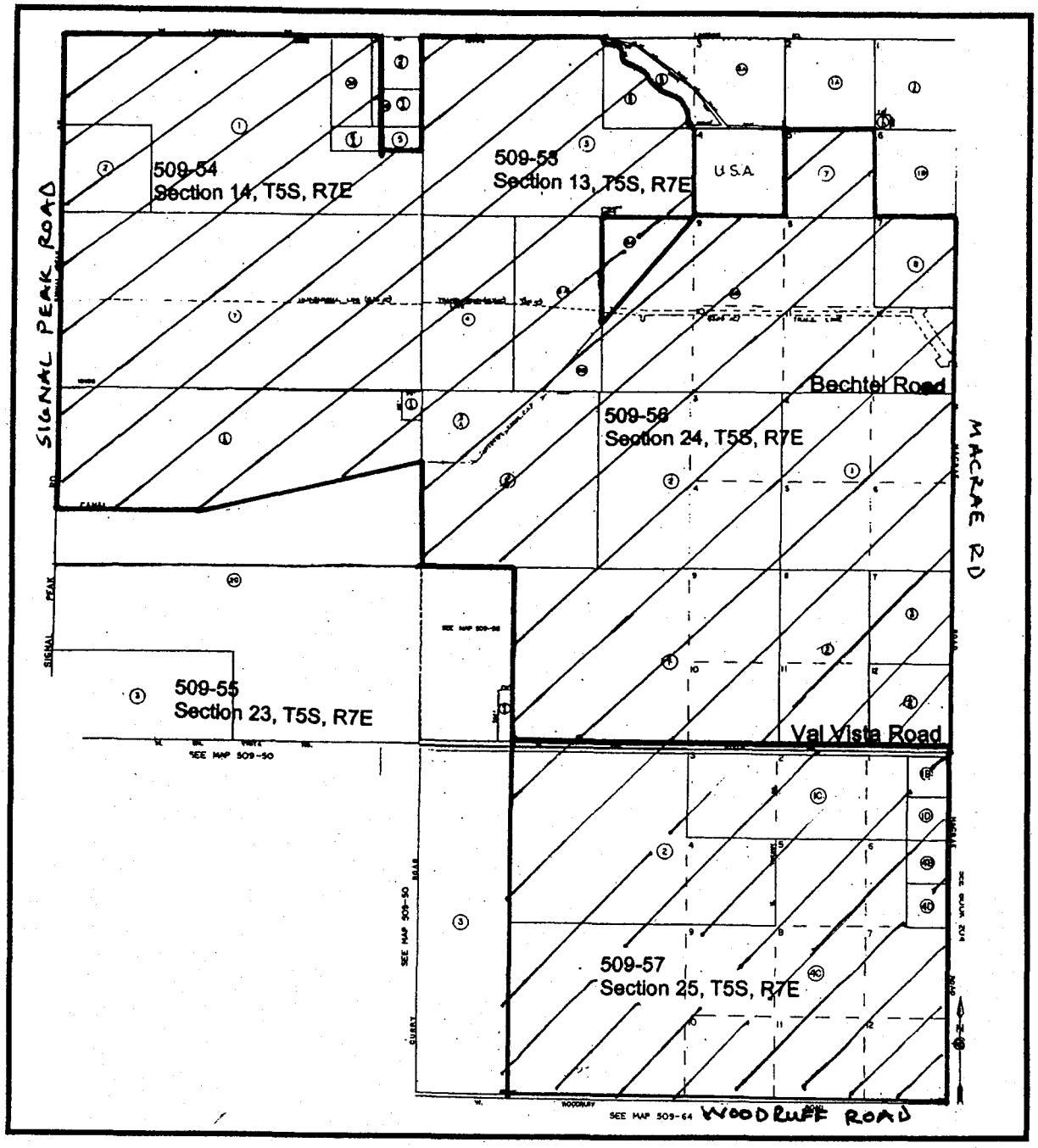


Type or Print Description Here:

Woodruff Utility Company - Sewer Service Franchise Area -

ATTACHMENT
C

WOODRUFF UTILITY CO.



J

ATTACHMENT – J

Approval to Construct
To Be Late Filed

K

ATTACHMENT – K

Property Taxes

Woodruff Utility Company
Schedule for the Computation of Projected
Property Taxes for the Years Ended

Exhibit
Schedule 2b
Page 1
Witness: Kozoman

Line No.		Year 1	Year 2	Year 3	Year 4	Year 5
1						
2						
3	Revenue Component 1	$ 121,603	$ 121,603	$ 121,603	$ 453,713	$ 880,237
4	Revenue Component 2	121,603	121,603	453,713	880,237	1,306,640
5	Revenue Component 3	121,603	453,713	880,237	1,306,640	1,727,293
6						
7	Average 3 years of revenue	$ 121,603	$ 232,306	$ 485,184	$ 880,197	$ 1,304,723
8	Add:					
9	Construction Work in Progress at 10%	0	0	0	0	0
10	Deduct:					
11	Book Value of Transportation Equipment	27,000	21,000	15,000	9,000	3,000
12						
13	Full Cash Value	$ 94,603	$ 211,306	$ 470,184	$ 871,197	$ 1,301,723
14						
15						
16	Times Assessment Ratio	25.00%	25.00%	25.00%	25.00%	25.00%
17						
18	Assessed Value	$ 23,651	$ 52,827	$ 117,546	$ 217,799	$ 325,431
19						
20	Property Tax Rate (State Wide Rate Used)	12.18%	12.18%	12.18%	12.18%	12.18%
21						
22	**Computed Property Tax**	$ 2,881	$ 6,434	$ 14,317	$ 26,528	$ 39,637
23						
24						
25						
26						

Woodruff Utility Company
Summary Listing of Plant Additions by Year

Exhibit
Schedule 1a
Summary Page
Witness: Kozoman

Acct. No		Year 1	Year 2	Year 3	Year 4	Year 5	Totals
351	Organization	25,000	-	-	-	-	25,000
352	Franchises	-	-	-	-	-	-
353	Land and Land Rights	1,225,000	-	-	-	-	1,225,000
354	Structures and Improvements	-	-	-	-	-	-
355	Power Generation Equipment	75,000	-	-	-	-	75,000
360	Collection sewers -Force	500,000	900,000	900,000	900,000	900,000	4,100,000
361	Collection Sewers - Gravity (AIAC)	-	-	-	-	-	-
362	Special Collecting Structures	-	-	-	-	-	-
363	Services to customers / Residential	150,000	300,000	300,000	300,000	300,000	1,350,000
363	Services to customers - None Residential	-	2,500	4,500	2,500	2,500	12,000
364	Flow measuring Devices	-	-	-	-	-	-
365	Flow measuring Installations	-	-	-	-	-	-
366	Reuse Services '	150,000	-	-	-	-	150,000
367	Reuse Meters and Meter Install	-	-	-	-	-	-
370	Receiving Wells	-	-	725,000	-	-	725,000
371	Pumping Equipment	595,000	-	300,000	-	-	895,000
374	Reuse Distribution Reservoirs	-	-	-	-	-	-
375	Reuse Transmission and Distrib	-	-	-	-	-	-
380	Treatment and Disposal Equipment*	6,056,280	-	-	-	-	6,056,280
381	Plant Sewers	-	-	-	-	-	-
382	Outfall Sewer Lines	-	-	-	-	-	-
389	Other Plant and Miscellaneous	-	-	-	-	-	-
390	Office Furniture and Equipment	-	-	-	-	-	-
391	Transportation Equipment	30,000	-	-	-	-	30,000
392	Stores Equipment	5,000	5,000	5,000	5,000	5,000	25,000
393	Tools, Shop and Garage Equipme	-	-	-	-	-	-
394	Laboratory Equipment	-	-	-	-	-	-
395	Power Operated Equipment	-	-	-	-	-	-
396	Communication Equipment	-	-	-	-	-	-
397	Miscellaneous Equipment	-	-	-	-	-	-
398	Other Tangible Plant	-	-	-	-	-	-
	Totals	8,811,280	1,207,500	2,234,500	1,207,500	1,207,500	14,668,280

Woodruff Utility Company
Plant
Projected Years

Exhibit
Schedule 1a
Page 1
Witness: Kozoman

With Treatment Plant Depreciation computed on Percent of Capacity

Line No.	Account	Description	CIAC Spread	Depreciation Rate	Estimate	Engineering Permits, Etc.	Year 1 Gross Amt	Year 1 Additions	Year 1 Depreciation*	Year 1 Balance	Year 1 A/D Balance
5	351	Organization		0.00%	$ 25,000		$ 25,000	$ 25,000	$ -	$ 25,000	$ -
6	352	Franchises		0.00%			-	-	-	-	-
7	353	Land and Land Rights		0.00%	1,225,000		1,225,000	1,225,000	-	1,225,000	-
8	354	Structures and Improvements		3.33%			-	-	-	-	-
9	355	Power Generation Equipment		5.00%	75,000		75,000	75,000	1,875	75,000	1,875
10	360	Collection sewers -Force		2.00%	500,000		500,000	500,000	5,000	500,000	5,000
11	361	Collection Sewers - Gravity (AIAC)		2.00%			-	-	-	-	-
12	362	Special Collecting Structures		2.00%			-	-	-	-	-
13	363	Services to customers - Residential	100.00%	2.00%	150,000		150,000	150,000	1,500	150,000	1,500
14	363	Services to customers - None Residential	100.00%	2.00%					-	-	-
15	364	Flow measuring Devices		10.00%			-	-	-	-	-
16	365	Flow measuring Installations		10.00%			-	-	-	-	-
17	366	Reuse Services '		2.00%	150,000		150,000	150,000	1,500	150,000	1,500
18	367	Reuse Meters and Meter Install		8.33%			-	-	-	-	-
19	370	Receiving Wells		3.33%			-	-	-	-	-
20	371	Pumping Equipment		12.50%	595,000		595,000	595,000	37,188	595,000	37,188
21	374	Reuse Distribution Reservoirs		2.50%	-		-	-	-	-	-
22	375	Reuse Transmission and Distrib		2.50%	-		-	-	-	-	-
23	380	Treatment and Disposal Equipment*		5.00%	6,056,280		6,056,280	6,056,280	16,743	6,056,280	16,743
24	381	Plant Sewers		5.00%			-	-	-	-	-
25	382	Outfall Sewer Lines		3.33%			-	-	-	-	-
26	389	Other Plant and Miscellaneous		6.67%			-	-	-	-	-
27	390	Office Furniture and Equipment		6.67%			-	-	-	-	-
28	391	Transportation Equipment		20.00%	30,000		30,000	30,000	3,000	30,000	3,000
29	392	Stores Equipment		4.00%	5,000		5,000	5,000	100	5,000	100
30	393	Tools, Shop and Garage Equipme		5.00%			-	-	-	-	-
31	394	Laboratory Equipment		10.00%			-	-	-	-	-
32	395	Power Operated Equipment		5.00%			-	-	-	-	-
33	396	Communication Equipment		10.00%			-	-	-	-	-
34	397	Miscellaneous Equipment		10.00%			-	-	-	-	-
35	398	Other Tangible Plant		5.00%		-	-	-	-	-	-
36							-	-	-	-	-
40		Totals			$ 8,811,280	$ -	$ 8,811,280	$ 8,811,280	$ 66,905	$ 8,811,280	$ 66,905
42		Composite Rate with 1/2 yr convention							0.88%		
45		Licenses, Taxes, Permits				$ -					
46		Engineering and Contingency				-					
47		Total				$ -					
49	*Capacity Adjustment to Depreciation Expense -										
50	380 Treatment Plant (Requires an Accounting Order)					301					
51	Customer connections					2,722					
52	Capacity (in customer connections)					0.1106	0.0000				
53	Capacity Factor										

Woodruff Utility Company
Plant
Projected Years

Exhibit
Schedule 1a
Page 2
Witness: Kozoman

With Treatment Plant Depreciation computed on Percent of Capacity

Line No.	Account	Description	CIAC Spread	Depreciation Rate	Year 2 Estimate	Engineering Permits, Etc.	Gross Amt	Additions	Depreciation*	Balance	A/D Balance
5	351	Organization		0.00%			$ -	$ -	$ -	$ 25,000	$ -
6	352	Franchises		0.00%			-	-	-	-	-
7	353	Land and Land Rights		0.00%			-	-	-	1,225,000	-
8	354	Structures and Improvements		3.33%			-	-	-	-	-
9	355	Power Generation Equipment		5.00%			-	-	3,750	75,000	5,625
10	360	Collection sewers -Force		2.00%	900,000		900,000	900,000	19,000	1,400,000	24,000
11	361	Collection Sewers - Gravity (AIAC)		2.00%			-	-	-	-	-
12	362	Special Collecting Structures		2.00%			-	-	-	-	-
13	363	Services to customers - Residential	100.00%	2.00%	300,000		300,000	300,000	6,000	450,000	7,500
14	363	Services to customers - None Residential	100.00%	2.00%	2,500		2,500	2,500	25	2,500	25
15	364	Flow measuring Devices		10.00%			-	-	-	-	-
16	365	Flow measuring Installations		10.00%			-	-	-	-	-
17	366	Reuse Services '		2.00%			-	-	3,000	150,000	4,500
18	367	Reuse Meters and Meter Install		8.33%			-	-	-	-	-
19	370	Receiving Wells		3.33%			-	-	-	-	-
20	371	Pumping Equipment		12.50%			-	-	74,375	595,000	111,563
21	374	Reuse Distribution Reservoirs		2.50%			-	-	-	-	-
22	375	Reuse Transmission and Distrib		2.50%			-	-	-	-	-
23	380	Treatment and Disposal Equipment*		5.00%			-	-	100,790	6,056,280	117,532
24	381	Plant Sewers		5.00%			-	-	-	-	-
25	382	Outfall Sewer Lines		3.33%			-	-	-	-	-
26	389	Other Plant and Miscellaneous		6.67%			-	-	-	-	-
27	390	Office Furniture and Equipment		6.67%			-	-	-	-	-
28	391	Transportation Equipment		20.00%			-	-	6,000	30,000	9,000
29	392	Stores Equipment		4.00%	5,000		5,000	5,000	300	10,000	400
30	393	Tools, Shop and Garage Equipme		5.00%			-	-	-	-	-
31	394	Laboratory Equipment		10.00%			-	-	-	-	-
32	395	Power Operated Equipment		5.00%			-	-	-	-	-
33	396	Communication Equipment		10.00%			-	-	-	-	-
34	397	Miscellaneous Equipment		10.00%			-	-	-	-	-
35	398	Other Tangible Plant		5.00%			-	-	-	-	-
36							-	-	-	-	-
37							-	-	-	-	-
40		Totals			$ 1,207,500	$ -	$ 1,207,500	$ 1,207,500	$ 213,240	$ 10,018,780	$ 280,145
42		Composite Rate with 1/2 yr convention							2.43%		
45		Licenses, Taxes, Permits				$ -					
46		Engineering and Contingency				-					
47		Total				$ -					
49	*Capacity Adjustment to Depreciation Expense -										
50	380 Treatment Plant (Requires an Accounting Order)					906					
51	Customer connections					2,722					
52	Capacity (in customer connections)					0.3328					
53	Capacity Factor										

Woodruff Utility Company
Plant
Projected Years

Exhibit
Schedule 1a
Page 3
Witness: Kozoman

With Treatment Plant Depreciation computed on Percent of Capacity

Line No.	Account	Description	CIAC Spread	Depreciation Rate	Estimate	Engineering Permits, Etc.	Year 3 Gross Amt	Year 3 Additions	Year 3 Depreciation*	Year 3 Balance	Year 3 A/D Balance
5	351	Organization		0.00%			$ -	$ -	$ -	$ 25,000	$ -
6	352	Franchises		0.00%			-	-	-	-	-
7	353	Land and Land Rights		0.00%			-	-	-	1,225,000	-
8	354	Structures and Improvements		3.33%			-	-	-	-	-
9	355	Power Generation Equipment		5.00%			-	-	3,750	75,000	9,375
10	360	Collection sewers -Force		2.00%	900,000		900,000	900,000	37,000	2,300,000	61,000
11	361	Collection Sewers - Gravity (AIAC)		2.00%			-	-	-	-	-
12	362	Special Collecting Structures		2.00%			-	-	-	-	-
13	363	Services to customers - Residential	100.00%	2.00%	300,000		300,000	300,000	12,000	750,000	19,500
14	363	Services to customers - None Residential	100.00%	2.00%	4,500		4,500	4,500	95	7,000	120
15	364	Flow measuring Devices		10.00%			-	-	-	-	-
16	365	Flow measuring Installations		10.00%			-	-	-	-	-
17	366	Reuse Services '		2.00%			-	-	3,000	150,000	7,500
18	367	Reuse Meters and Meter Install		8.33%			-	-	-	-	-
19	370	Receiving Wells		3.33%	725,000		725,000	725,000	12,071	725,000	12,071
20	371	Pumping Equipment		12.50%	300,000		300,000	300,000	93,125	895,000	204,688
21	374	Reuse Distribution Reservoirs		2.50%			-	-	-	-	-
22	375	Reuse Transmission and Distrib		2.50%			-	-	-	-	-
23	380	Treatment and Disposal Equipment*		5.00%			-	-	168,205	6,056,280	285,738
24	381	Plant Sewers		5.00%			-	-	-	-	-
25	382	Outfall Sewer Lines		3.33%			-	-	-	-	-
26	389	Other Plant and Miscellaneous		6.67%			-	-	-	-	-
27	390	Office Furniture and Equipment		6.67%			-	-	-	-	-
28	391	Transportation Equipment		20.00%			-	-	6,000	30,000	15,000
29	392	Stores Equipment		4.00%	5,000		5,000	5,000	500	15,000	900
30	393	Tools, Shop and Garage Equipme		5.00%			-	-	-	-	-
31	394	Laboratory Equipment		10.00%			-	-	-	-	-
32	395	Power Operated Equipment		5.00%			-	-	-	-	-
33	396	Communication Equipment		10.00%			-	-	-	-	-
34	397	Miscellaneous Equipment		10.00%			-	-	-	-	-
35	398	Other Tangible Plant		5.00%			-	-	-	-	-
36							-	-	-	-	-
37							-	-	-	-	-
40		Totals			$ 2,234,500	$ -	$ 2,234,500	$ 2,234,500	$ 335,747	$ 12,253,280	$ 615,891
42		Composite Rate with 1/2 yr convention							3.05%		
45		Licenses, Taxes, Permits				$ -					
46		Engineering and Contingency				-					
47		Total				$ -					
49	*Capacity Adjustment to Depreciation Expense -										
50	380 Treatment Plant (Requires an Accounting Order)										
51	Customer connections						1,512				
52	Capacity (in customer connections)						2,722				
53	Capacity Factor						0.5555				

Woodruff Utility Company
Plant
Projected Years

Exhibit
Schedule 1a
Page 4
Witness: Kozoman

With Treatment Plant Depreciation computed on Percent of Capacity

Line No.	Account	Description	CIAC Spread	Depreciation Rate	Year Estimate	Engineering Permits, Etc.	Gross Amt	Additions	Depreciation*	Balance	A/D Balance
5	351	Organization		0.00%			$ -	$ -	$ -	$ 25,000	$ -
6	352	Franchises		0.00%			-	-	-	-	-
7	353	Land and Land Rights		0.00%			-	-	-	1,225,000	-
8	354	Structures and Improvements		3.33%			-	-	-	-	-
9	355	Power Generation Equipment		5.00%			-	-	3,750	75,000	13,125
10	360	Collection sewers -Force		2.00%	900,000		900,000	900,000	55,000	3,200,000	116,000
11	361	Collection Sewers - Gravity (AIAC)		2.00%			-	-	-	-	-
12	362	Special Collecting Structures		2.00%			-	-	-	-	-
13	363	Services to customers - Residential	100.00%	2.00%	300,000		300,000	300,000	18,000	1,050,000	37,500
14	363	Services to customers - None Residential	100.00%	2.00%	2,500		2,500	2,500	165	9,500	285
15	364	Flow measuring Devices		10.00%			-	-	-	-	-
16	365	Flow measuring Installations		10.00%			-	-	-	-	-
17	366	Reuse Services '		2.00%			-	-	3,000	150,000	10,500
18	367	Reuse Meters and Meter Install		8.33%			-	-	-	-	-
19	370	Receiving Wells		3.33%			-	-	24,143	725,000	36,214
20	371	Pumping Equipment		12.50%			-	-	111,875	895,000	316,563
21	374	Reuse Distribution Reservoirs		2.50%			-	-	-	-	-
22	375	Reuse Transmission and Distrib		2.50%			-	-	-	-	-
23	380	Treatment and Disposal Equipment*		5.00%			-	-	235,510	6,056,280	521,247
24	381	Plant Sewers		5.00%			-	-	-	-	-
25	382	Outfall Sewer Lines		3.33%			-	-	-	-	-
26	389	Other Plant and Miscellaneous		6.67%			-	-	-	-	-
27	390	Office Furniture and Equipment		6.67%			-	-	-	-	-
28	391	Transportation Equipment		20.00%			-	-	6,000	30,000	21,000
29	392	Stores Equipment		4.00%	5,000		5,000	5,000	700	20,000	1,600
30	393	Tools, Shop and Garage Equipme		5.00%			-	-	-	-	-
31	394	Laboratory Equipment		10.00%			-	-	-	-	-
32	395	Power Operated Equipment		5.00%			-	-	-	-	-
33	396	Communication Equipment		10.00%			-	-	-	-	-
34	397	Miscellaneous Equipment		10.00%			-	-	-	-	-
35	398	Other Tangible Plant		5.00%			-	-	-	-	-
40		Totals			$ 1,207,500	$ -	$ 1,207,500	$ 1,207,500	$ 458,142	$ 13,460,780	$ 1,074,033
42		Composite Rate with 1/2 yr convention							3.75%		

45	Licenses, Taxes, Permits	$ -
46	Engineering and Contingency	-
47	Total	$ -

49	*Capacity Adjustment to Depreciation Expense -	
50	380 Treatment Plant (Requires an Accounting Order)	2,117
51	Customer connections	2,722
52	Capacity (in customer connections)	0.7777
53	Capacity Factor	

Woodruff Utility Company
Plant
Projected Years

Exhibit
Schedule 1a
Page 5
Witness: Kozoman

With Treatment Plant Depreciation computed on Percent of Capacity

Line No.	Account	Description	CIAC Spread	Depreciation Rate	Estimate	Engineering Permits, Etc.	Year 5 Gross Amt	Year 5 Additions	Year 5 Depreciation*	Year 5 Balance	Year 5 A/D Balance
5	351	Organization		0.00%			$ -	$ -	$ -	$ 25,000	$ -
6	352	Franchises		0.00%			-	-	-	-	-
7	353	Land and Land Rights		0.00%			-	-	-	1,225,000	-
8	354	Structures and Improvements		3.33%			-	-	-	-	-
9	355	Power Generation Equipment		5.00%			-	-	3,750	75,000	16,875
10	360	Collection sewers -Force		2.00%	900,000		900,000	900,000	73,000	4,100,000	189,000
11	361	Collection Sewers - Gravity (AIAC)		2.00%			-	-	-	-	-
12	362	Special Collecting Structures		2.00%			-	-	-	-	-
13	363	Services to customers - Residential	100.00%	2.00%	300,000		300,000	300,000	24,000	1,350,000	61,500
14	363	Services to customers - None Residential	100.00%	2.00%	2,500		2,500	2,500	215	12,000	500
15	364	Flow measuring Devices		10.00%			-	-	-	-	-
16	365	Flow measuring Installations		10.00%			-	-	-	-	-
17	366	Reuse Services '		2.00%			-	-	3,000	150,000	13,500
18	367	Reuse Meters and Meter Install		8.33%			-	-	-	-	-
19	370	Receiving Wells		3.33%			-	-	24,143	725,000	60,356
20	371	Pumping Equipment		12.50%			-	-	111,875	895,000	428,438
21	374	Reuse Distribution Reservoirs		2.50%			-	-	-	-	-
22	375	Reuse Transmission and Distrib		2.50%			-	-	-	-	-
23	380	Treatment and Disposal Equipment*		5.00%			-	-	302,814	6,056,280	824,061
24	381	Plant Sewers		5.00%			-	-	-	-	-
25	382	Outfall Sewer Lines		3.33%			-	-	-	-	-
26	389	Other Plant and Miscellaneous		6.67%			-	-	-	-	-
27	390	Office Furniture and Equipment		6.67%			-	-	-	-	-
28	391	Transportation Equipment		20.00%			-	-	6,000	30,000	27,000
29	392	Stores Equipment		4.00%	5,000		5,000	5,000	900	25,000	2,500
30	393	Tools, Shop and Garage Equipme		5.00%			-	-	-	-	-
31	394	Laboratory Equipment		10.00%			-	-	-	-	-
32	395	Power Operated Equipment		5.00%			-	-	-	-	-
33	396	Communication Equipment		10.00%			-	-	-	-	-
34	397	Miscellaneous Equipment		10.00%			-	-	-	-	-
35	398	Other Tangible Plant		5.00%			-	-	-	-	-
36							-	-	-	-	-
40		Totals			$ 1,207,500	$ -	$ 1,207,500	$ 1,207,500	$ 549,697	$ 14,668,280	$ 1,623,730
42		Composite Rate with 1/2 yr convention							4.10%		

45	Licenses, Taxes, Permits	$ -
46	Engineering and Contingency	-
47	Total	$ -

49	*Capacity Adjustment to Depreciation Expense -	
50	380 Treatment Plant (Requires an Accounting Order)	2,722
51	Customer connections	2,722
52	Capacity (in customer connections)	1.0000
53	Capacity Factor	

L

ATTACHMENT – L

The CAAG 208 Amendment is being prepared by Lisa Farrington Engineers, Inc., 4005 East Gable Circle, Mesa, AZ 85206. Telephone: 480-218-5559.

The CAAG 208 Amendment is expected to be submitted by June 30, 2004. A copy of the Amendment will be Late Filed.

LAW OFFICES
FENNEMORE CRAIG
A PROFESSIONAL CORPORATION

JAY L. SHAPIRO
Direct Phone: (602) 916-5366
Direct Fax: (602) 916-5566
jshapiro@fclaw.com

OFFICES IN:
PHOENIX, TUCSON,
NOGALES, AZ; LINCOLN, NE

3003 NORTH CENTRAL AVENUE
SUITE 2600
PHOENIX, ARIZONA 85012-2913
PHONE: (602) 916-5000
FAX: (602) 916-5999

August 30, 2004

VIA HAND DELIVERY

Jim Fisher
Executive Consultant
Utilities Division
Arizona Corporation Commission
1200 W. Washington
Phoenix, AZ 85007

Re: Woodruff Water Company, Inc.- Application for a Certificate of Convenience and Necessity. Docket W-04264A-04-0438

Dear Mr. Fisher:

As you know, this firm represents Woodruff Water Company, Inc. (the "Company"). The purpose of this letter is to respond to your June 30, 2004 letter on behalf of Utilities Division Staff regarding the Company's June 12, 2004 application for a certificate of convenience and necessity. In your June 30, 2004 letter, you voice Staff's conclusion that the Company's application is not sufficient.

A.A.C. R14-2-402 and R14-2-602 enumerate numerous items to be included in a request concerning a certificate of convenience and necessity, and the Company's application addressed each of the enumerated requirements to the extent applicable. These regulations do not require that an applicant provide any information Staff wants before deeming an application sufficient. Otherwise, public service corporations would be left constantly guessing at the applicable filling requirements, a result that does not comport with due process. Indeed, in the end, the items sought in your June 30, 2004 letter are the type of requests that are consistent with data requests, and they are not a basis to delay prosecution of the Company's application.

Nevertheless, the Company desires to work cooperatively with Staff to ensure Staff has all of the information it needs to analyze the pending application for CC&N extensions. Towards that end, enclosed are materials responsive to each of the following ten items set forth in your June 30, 2004 letter:

WWC-3
Admitted

1. Please provide a request for service from each of the affected property owners.

Response: The property subject to the Company's application for a CC&N is being purchased for development by the Company's sole shareholder, Pivotal-Sandia, L.L.C. pursuant to a Master Trust Agreement. A list of the record owners of the property, along with a map showing ownership of the subject property by parcel number is attached as Attachment No. 2. The request for service, therefore, is being made by the developer, which has also formed the Company for the purpose of obtaining wastewater utility service to the development. The current record property owners, the sellers have also requested service from the Company, as reflected in the attached letters requesting an extension of utility service.

2. Please provide a map of the requested service territory with an identification of the respective property owners requesting service.

Response: Please see the map provided in response to question No. 1. We would also note that the Commission's Engineering division has "plotted" the area subject to the Company's request. Please see attachment No. 2.

3. Please provide a drinking water design report which clarifies how water will be provided to the proposed CC&N.

The report should identify existing and future sources, the capacities of existing sources, the estimated capacities of future sources and any existing demand on the present water sources.
The report should include the estimated water demand from a typical dwelling unit, the estimated demand from the proposed CC&N.

The report should identify the location of future and existing transmission mains and include the timing or construction phasing of facilities.

The design report should describe water quality and address any water quality problems with the existing and future sources of water (as an example, will extra treatment costs arise in order to meet existing or future maximum contaminant levels for arsenic nitrates or fluorides in the drinking water?).

Response: Please see Attachment No. 3 entitled Conceptual Mater Potable Water Plan for Sandia Master Planned Community.

4. Please provide a copy of the Arizona Department of Water Resources Analysis of Adequate Water Supply for the proposed service territory.

Response: A Physical Water Availability Demonstration (P.A.D.), prepared by Stephen Noel of Southwest Groundwater Resources, was submitted to the Arizona Department of Water Resources on May 10th, 2004. A copy is included in Attachment No. 4. The report indicates the availability of water to serve up to 12,000 dwelling units. The Arizona Department of Water Resources ratified the report on August 2, 2004 by determining that sufficient groundwater is physically available to meet the projected demand of the Sandia Project for 100 years. A copy is included in Attachment No. 4. The results of DWR's hydrologic review fulfill the requirements of A.A.C. R12-15-702 (C), 703 (B), and can be cited in applications for Certificates of Assured Water Supply or for Analysis of Assured Water Supply.

An Analysis of Assured Water Supply is scheduled to be submitted to the Arizona Department of Water Resources by the end of August 2004.

Applications for Certificates of Assured Water Supply will be completed as subdivisions are engineered and final plats are approved. The first subdivisions, and Certificates of Assured Water Supply are expected to be approved between the 4th Quarter of 2005 and 1st Quarter of 2006.

Water Adequacy Statements from the Arizona Department of Resources based on submittals of the Physical Water Availability Demonstration and Analysis of Assured Water Supply will be late filed. The anticipated date of the late filing is October 2005.

5. Please provide any other information which will allow the Commission to analyze and conclude that the company has sufficient water production capacity, or can develop enough drinking water capacity to service the existing and future demands from the proposed CC&N.

Response: The Company's application, as supplemented herein, clearly demonstrates that the Company is fit and able to provide wastewater utility service in the requested CC&N area. To the extent Staff requires additional information to process the application, the Company will endeavor to promptly and fully respond to such specific requests.

6. Please provide a set of design plans for the proposed water facilities.

Response: Please see response to question No. 3 above.

7. Please provide an estimate of the water facilities costs to the Woodruff Water Company, necessary to serve the proposed CC&N. The costs should include a description of the major components with the cost of the component (i.e., wells, number and size of storage tanks, etc.) The method of financing for the major components should be described specifically.

Response: Please see enclosed *Attachmenst C-3 "Itemized List of Major Plant Components" and C-4, Plant in Service Schedules Schedules*

8. Please describe how Woodruff Water Company is capitalized.

Response: The Company is capitalized with equity. Notably, this information was provided in the Company's initial application as part of the Proforma Balance Sheet, Schedule 1. Please see Application at Tab C.

9. Please provide evidence of Woodruff Water Company's current financial condition.

Response: The Company was initially capitalized with $25,000 of cash and equity capital. Funds for plant will be provided as additional equity from Pivotal-Sandia, L.L.C., Company's sole shareholder. A balance sheet for Woodruff Water Company is included in Attachment No. 9 Additional information is found in the Company's initial application. Please see Application at Tabs C and D.

10. Please provide a copy of the Pinal County Franchise for the requested area.

Response: The Company filed its Franchise Application on May 14, 2004 and the request is currently pending approval, with the Pinal County Board of Supervisors scheduled to hear the matter on August 25, 2004. A copy of the Application and letter from Pinal County regarding the schedule are included as Attachment No. 10.

In addition to the supplemental information discussed above, the Company hereby provides the following additional information to supplement its initial application:

- Parcel Description—this supplements the legal description provided with the initial application, which exhibit is intended to supplement Attachment B-1 of the original application.

- By-laws for Woodruff Water Company, which exhibit is intended to supplement Attachment H of the original application.

With this submission, there should be no dispute that the Company's application is sufficient. Accordingly, we ask Staff to immediately issue a letter deeming the application sufficient as of July 19, 2004, 30 days after it was filed.

In the meantime, if Staff need additional information, or have any questions or comments regarding the foregoing or this matter in general, please feel free to contact me at any time.

Very truly yours,

Jay L. Shapiro

JLS/jp
cc: Russ Shasky
Marvin Cohen
Ron Kozoman

Enclosure

1575127/10694.001

PLEASE NOTE THAT VOLUMINOUS DOCUMENTS ARE NOT INCLUDED. THE COVER PAGE OF THESE DOCUMENTS IS INCLUDED. PLEASE LET US KNOW IF YOU REQUIRE A COMPLETE COPY.

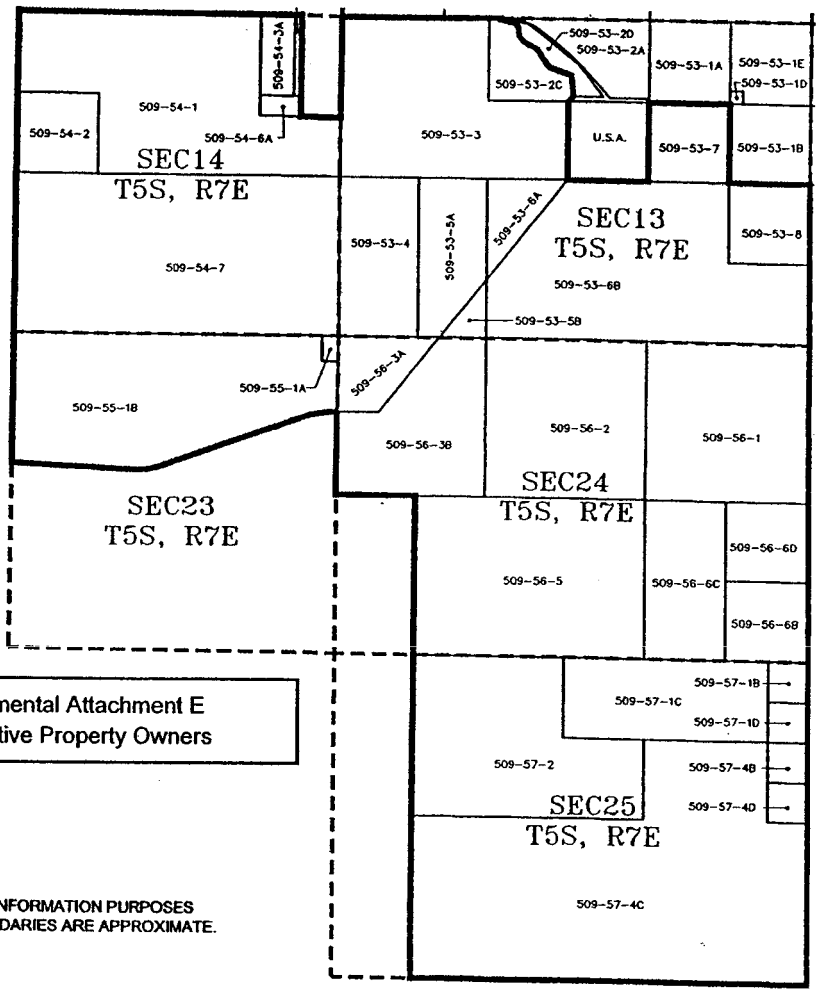
Water

#1

Supplemental Attatchment E - Public Notices
Respective Property Owners

CCN Application for Woodruff Utilitiy Company and Woodruff Water Company

Respective Property Owners	*Acres*	*Parcel Number*	*Section*
Wuertz Farming Ltd.	230	509-54-1	14
Howard and Jewel Wuertz	40	509-54-2	14
Wuertz Farming Ltd.	17.27	509-54-3a	14
Wuertz Farming Ltd.	2.72	509-54-3b	14
Wuertz Farming Ltd.	5	509-54-6a	14
Wuertz Farming Ltd.	320	509-54-7	14
Wildcat Farms	189.16	509-55-1B	23
Howard and Jewel Wuertz	2.68	509-55-1A	23
Wuertz Farming Ltd.	25.68	509-53-2C	13
Wuertz Farming Ltd.	200	509-53-3	13
Wildcat Farms	80	509-53-4	13
Wuertz Farming Ltd.	70.03	509-53-5A	13
Wuertz Farming Ltd.	9.96	509-53-5b	13
Wuertz Farming Ltd.	40	509-53-7	13
Wuertz Farming Ltd.	251.1	509-53-6b	13
Wuertz Farming Ltd.	35.38	509-53-8	13
Sundance Farms	151	509-56-1	24
Sundance Farms	160	509-56-2	24
Wildcat Farms	32.3	509-56-3a	24
Sundance Farms	127.7	509-56-3b	24
Sundance Farms	240	509-56-5	24
McKinney Farming	34.16	509-56-6B	24
Sundance Farms	80.64	509-56-6c	24
McKinney Farming	37.19	509-56-6D	24
Sarah Wuertz	9.21	509-57-1B	25
McKinney Farming	98.08	509-57-1c	25
Greg Wuertz	9.21	509-57-1D	25
McKinney Farming	200	509-57-2	25
Carol Blackwell Wuertz	9.21	509-57-4B	25
David Wuertz	9.21	509-57-4D	25
McKinney Farming	452.43	509-57-4C	25



Supplemental Attachment E
Respective Property Owners

NOTE: FOR INFORMATION PURPOSES ONLY. BOUNDARIES ARE APPROXIMATE.

Sundance Farms
3227 W. Bechtel Rd.
Coolidge, AZ 85228

August 27, 2004

Mr. Karl Polen
Vice President
Woodruff Utility Company
2555 E. Camelback Rd., Suite 700
Phoenix, AZ 85016

Dear Mr. Polen:

On behalf of Sundance Farms, we hereby request that Woodruff Water Company and Woodruff Utility Company (collectively "Woodruff") provide water and sewer service to our real property located in an unincorporated portion of Pinal County, Arizona. The property is shown in the attachment to this letter.

We understand that the provision of water and wastewater utility service by Woodruff will be subject to the rules and regulations of the Arizona Corporation Commission and that Woodruff must first obtain an order from Commission granting a certificate of convenience and necessity. We further understand that other governmental agencies, including the Arizona Department of Environmental Quality and Pinal County, may exercise jurisdiction over certain aspects of Woodruff's provision of utility services to our property.

Please let me know if you have questions, need further information or if I can be of any assistance in Woodruff's efforts to obtain the necessary approvals.

Sincerely,

Howard Wuertz

1579518.1

Howard and Jewell Wuertz
3261 W. Bechtel Rd.
Coolidge, AZ 85228

August 27, 2004

Mr. Karl Polen
Vice President
Woodruff Utility Company
2555 E. Camelback Rd., Suite 700
Phoenix, AZ 85016

Dear Mr. Polen:

On behalf of ourselves, we hereby request that Woodruff Water Company and Woodruff Utility Company (collectively "Woodruff") provide water and sewer service to our real property located in an unincorporated portion of Pinal County, Arizona. The property is shown in the attachment to this letter.

We understand that the provision of water and wastewater utility service by Woodruff will be subject to the rules and regulations of the Arizona Corporation Commission and that Woodruff must first obtain an order from Commission granting a certificate of convenience and necessity. We further understand that other governmental agencies, including the Arizona Department of Environmental Quality and Pinal County, may exercise jurisdiction over certain aspects of Woodruff's provision of utility services to our property.

Please let me know if you have questions, need further information or if I can be of any assistance in Woodruff's efforts to obtain the necessary approvals.

Sincerely,

Howard and Jewell Wuertz

1579518.1

Wuertz Farming Ltd.
3227 W. Bechtel Rd.
Coolidge, AZ 85228

August 27, 2004

Mr. Karl Polen
Vice President
Woodruff Utility Company
2555 E. Camelback Rd., Suite 700
Phoenix, AZ 85016

Dear Mr. Polen:

On behalf of Wuertz Farming Ltd., we hereby request that Woodruff Water Company and Woodruff Utility Company (collectively "Woodruff") provide water and sewer service to our real property located in an unincorporated portion of Pinal County, Arizona. The property is shown in the attachment to this letter.

We understand that the provision of water and wastewater utility service by Woodruff will be subject to the rules and regulations of the Arizona Corporation Commission and that Woodruff must first obtain an order from Commission granting a certificate of convenience and necessity. We further understand that other governmental agencies, including the Arizona Department of Environmental Quality and Pinal County, may exercise jurisdiction over certain aspects of Woodruff's provision of utility services to our property.

Please let me know if you have questions, need further information or if I can be of any assistance in Woodruff's efforts to obtain the necessary approvals.

Sincerely,

David Wuertz

1579518.1

Wildcat Farms
3227 W. Bechtel Rd.
Coolidge, AZ 85228

August 27, 2004

Mr. Karl Polen
Vice President
Woodruff Utility Company
2555 E. Camelback Rd., Suite 700
Phoenix, AZ 85016

Dear Mr. Polen:

On behalf of Wildcat Farms, we hereby request that Woodruff Water Company and Woodruff Utility Company (collectively "Woodruff") provide water and sewer service to our real property located in an unincorporated portion of Pinal County, Arizona. The property is shown in the attachment to this letter.

We understand that the provision of water and wastewater utility service by Woodruff will be subject to the rules and regulations of the Arizona Corporation Commission and that Woodruff must first obtain an order from Commission granting a certificate of convenience and necessity. We further understand that other governmental agencies, including the Arizona Department of Environmental Quality and Pinal County, may exercise jurisdiction over certain aspects of Woodruff's provision of utility services to our property.

Please let me know if you have questions, need further information or if I can be of any assistance in Woodruff's efforts to obtain the necessary approvals.

Sincerely,

David A. Wuertz

1579518.1

David Wuertz
3906 Sunshine Blvd.
Casa Grande, AZ 85222

August 27, 2004

Mr. Karl Polen
Vice President
Woodruff Utility Company
2555 E. Camelback Rd., Suite 700
Phoenix, AZ 85016

Dear Mr. Polen:

On behalf of myself, David Wuertz, I hereby request that Woodruff Water Company and Woodruff Utility Company (collectively "Woodruff") provide water and sewer service to my real property located in an unincorporated portion of Pinal County, Arizona. The property is shown in the attachment to this letter.

I understand that the provision of water and wastewater utility service by Woodruff will be subject to the rules and regulations of the Arizona Corporation Commission and that Woodruff must first obtain an order from Commission granting a certificate of convenience and necessity. I further understand that other governmental agencies, including the Arizona Department of Environmental Quality and Pinal County, may exercise jurisdiction over certain aspects of Woodruff's provision of utility services to my property.

Please let me know if you have questions, need further information or if I can be of any assistance in Woodruff's efforts to obtain the necessary approvals.

Sincerely,

David Wuertz

1579518.1

Sarah Wuertz
934 W. Culver
Phoenix, AZ 85007

August 27, 2004

Mr. Karl Polen
Vice President
Woodruff Utility Company
2555 E. Camelback Rd., Suite 700
Phoenix, AZ 85016

Dear Mr. Polen:

On behalf of myself, Sarah Wuertz, I hereby request that Woodruff Water Company and Woodruff Utility Company (collectively "Woodruff") provide water and sewer service to my real property located in an unincorporated portion of Pinal County, Arizona. The property is shown in the attachment to this letter.

I understand that the provision of water and wastewater utility service by Woodruff will be subject to the rules and regulations of the Arizona Corporation Commission and that Woodruff must first obtain an order from Commission granting a certificate of convenience and necessity. I further understand that other governmental agencies, including the Arizona Department of Environmental Quality and Pinal County, may exercise jurisdiction over certain aspects of Woodruff's provision of utility services to my property.

Please let me know if you have questions, need further information or if I can be of any assistance in Woodruff's efforts to obtain the necessary approvals.

Sincerely,

Sarah Wuertz

1579518.1

Carol Wuertz Behrens
3451 S. Vine Street
Chandler, AZ 85248

August 27, 2004

Mr. Karl Polen
Vice President
Woodruff Utility Company
2555 E. Camelback Rd., Suite 700
Phoenix, AZ 85016

Dear Mr. Polen:

On behalf of myself, Carol Wuertz Behrens, formerly Carol Wuertz Blackwell, I hereby request that Woodruff Water Company and Woodruff Utility Company (collectively "Woodruff") provide water and sewer service to my real property located in an unincorporated portion of Pinal County, Arizona. The property is shown in the attachment to this letter.

I understand that the provision of water and wastewater utility service by Woodruff will be subject to the rules and regulations of the Arizona Corporation Commission and that Woodruff must first obtain an order from Commission granting a certificate of convenience and necessity. I further understand that other governmental agencies, including the Arizona Department of Environmental Quality and Pinal County, may exercise jurisdiction over certain aspects of Woodruff's provision of utility services to my property.

Please let me know if you have questions, need further information or if I can be of any assistance in Woodruff's efforts to obtain the necessary approvals.

Sincerely,

Carol Wuertz Behrens

1579518.1

McKinney Farming
3227 W. Bechtel Rd.
Coolidge, AZ 85228

August 27, 2004

Mr. Karl Polen
Vice President
Woodruff Utility Company
2555 E. Camelback Rd., Suite 700
Phoenix, AZ 85016

Dear Mr. Polen:

On behalf of McKinney Farming, we hereby request that Woodruff Water Company and Woodruff Utility Company (collectively "Woodruff") provide water and sewer service to our real property located in an unincorporated portion of Pinal County, Arizona. The property is shown in the attachment to this letter.

We understand that the provision of water and wastewater utility service by Woodruff will be subject to the rules and regulations of the Arizona Corporation Commission and that Woodruff must first obtain an order from Commission granting a certificate of convenience and necessity. We further understand that other governmental agencies, including the Arizona Department of Environmental Quality and Pinal County, may exercise jurisdiction over certain aspects of Woodruff's provision of utility services to our property.

Please let me know if you have questions, need further information or if I can be of any assistance in Woodruff's efforts to obtain the necessary approvals.

Sincerely,

Carol Wuertz Behrens

1579518.1

Gregory Wuertz
3422 N. Vail Rd.
Coolidge, AZ 85228

August 27, 2004

Mr. Karl Polen
Vice President
Woodruff Utility Company
2555 E. Camelback Rd., Suite 700
Phoenix, AZ 85016

Dear Mr. Polen:

On behalf of myself, Gregory Wuertz, I hereby request that Woodruff Water Company and Woodruff Utility Company (collectively "Woodruff") provide water and sewer service to my real property located in an unincorporated portion of Pinal County, Arizona. The property is shown in the attachment to this letter.

I understand that the provision of water and wastewater utility service by Woodruff will be subject to the rules and regulations of the Arizona Corporation Commission and that Woodruff must first obtain an order from Commission granting a certificate of convenience and necessity. I further understand that other governmental agencies, including the Arizona Department of Environmental Quality and Pinal County, may exercise jurisdiction over certain aspects of Woodruff's provision of utility services to my property.

Please let me know if you have questions, need further information or if I can be of any assistance in Woodruff's efforts to obtain the necessary approvals.

Sincerely,

Gregory Wuertz

Gregory Wuertz

1579518.1

Water
#2

MEMORANDUM

TO: Jim Fisher
Executive Consultant II
Utilities Division

FROM: Barb Wells
Information Technology Specialist
Utilities Division

THRU: Del Smith
Engineering Supervisor
Utilities Division

DATE: June 17, 2004

RE: **WOODRUFF WATER COMPANY, INC. (DOCKET NO. W-04264A-04-0438)**

The area requested by Woodruff for a CC&N has been plotted with no complications using the legal description provided with the application (a copy of which is attached).

Also attached is a copy of the map for your files.

:bsw

Attachments

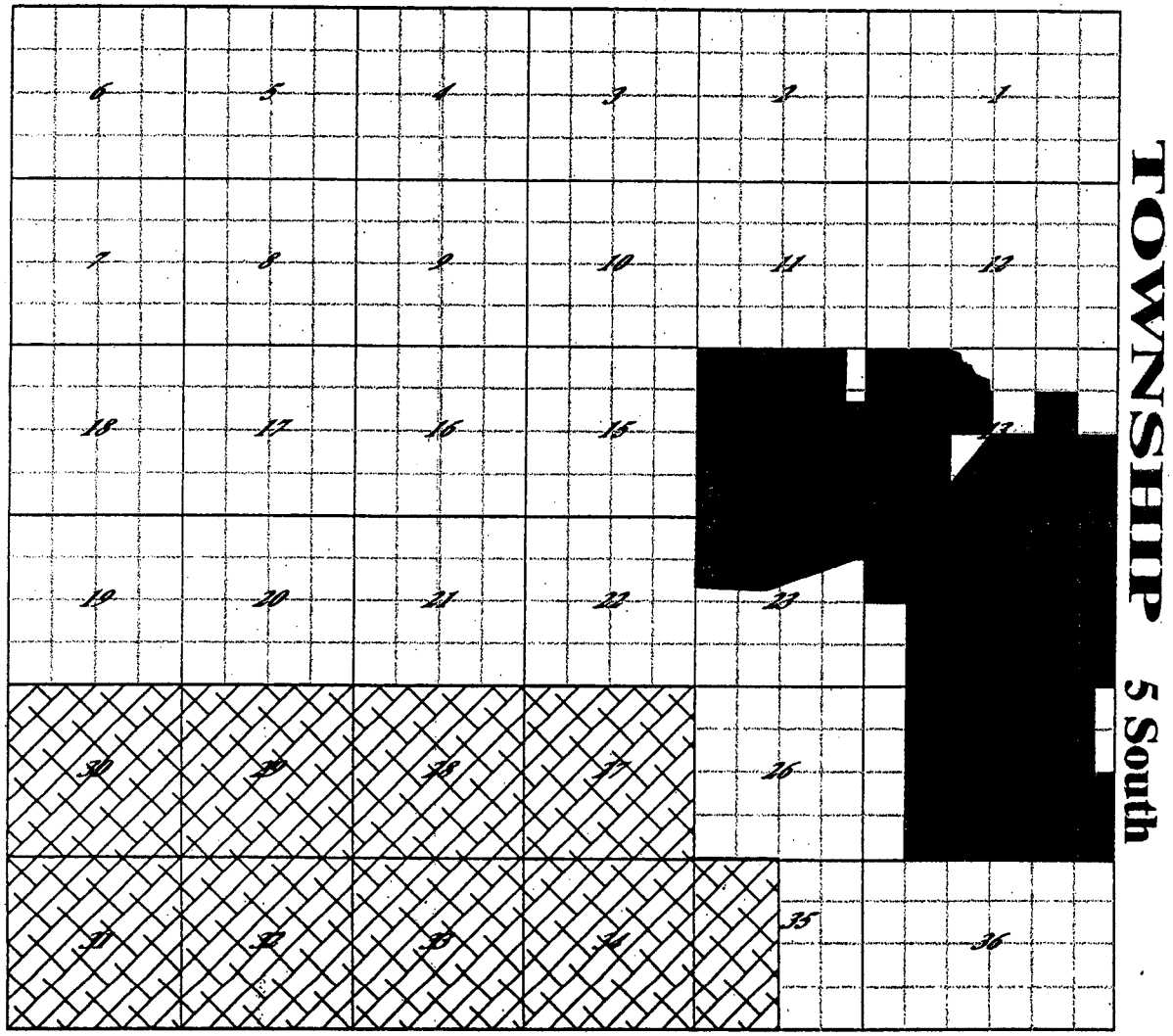
cc: Docket Control
Mr. Norman James
Ms. Deb Person (Hand Carried)
File

Map No. 19

COUNTY: *Pinal*

RANGE 7 East

TOWNSHIP 5 South



W-1445 (35)(10)
Arizona Water Company (Casa Grande)

Woodruff Water Company, Inc.
Docket No. W-4264-04-438
Application for CC&N

TR5S7E 19 JUN 1998

Water
#3

DRAFT

CONCEPTUAL
MASTER POTABLE WATER PLAN
FOR
SANDIA MASTER PLANNED COMMUNITY

August 18, 2004
WP #042127.05

Prepared for:

Pivotal Group, Inc.
The Esplanade
2555 East Camelback Road, Suite 700
Phoenix, Arizona 85016
Phone: (602) 956-7200
Fax: (602) 956-2313
Website: *www.pivotalgroup.com*

Prepared by:

Wood, Patel & Associates, Inc.
2051 West Northern Avenue
Suite 100
Phoenix, Arizona 85021
Phone: (602) 335-8500
Fax: (602) 335-8580
Website: *www.woodpatel.com*

Registered Professional Engineer (Civil)
CERTIFICATE NO.
24443
GORDON W.R. WARK
Date Signed
ARIZONA, U.S.A.

Engineer **Peer Reviewer**

Water
#4

Russ

AUG - 5 2004

ARIZONA DEPARTMENT OF WATER RESOURCES

Hydrology Division
500 North Third Street, Phoenix, Arizona 85004
Telephone 602 417-2448
Fax 602 417-2425

JANET NAPOLITANO
Governor

HERB GUENTHER
Director

August 2, 2004

Mr. Karl Polen
Pivotal Group
2555 E. Camelback Rd., Suite 700
Phoenix, Arizona 85016

RE: Sandia – also known as Sundance Farms
Application for Physical Availability Demonstration #20-401356

Dear Mr. Polen:

The Department has completed review of the report entitled *Hydrologeologic Investigation, Sundance Farms, Pinal County*, by Southwest Ground-water Consultants, Inc., April 1, 2004 and analysis of available hydrologic information. The study area consists of about 3,180 acres in Sections 13, 14, 23, 24 and 25, T5S, R7E, G&S R B&M in Pinal County within the Maricopa-Stanfield sub-basin of the Pinal Active Management Area.

In accordance with A.A.C. R12-15-702(C), we have determined that sufficient groundwater is physically available to meet the projected demand of approximately 8,159 acre-feet per year for 100 years under A.A.C. R12-15-703(B) for assured water supply purposes in the subject area. However, groundwater wells in the study area have fluoride concentrations that exceed the Arizona Drinking Water Standard of 4.0 mg/L. It is the Department's conclusion that the estimated one hundred year depth-to-water should not exceed 1100 feet below land surface, the maximum depth allowed by A.A.C. R12-15-703(B).

The results of the Department's hydrologic review fulfill the requirements of R12-15-702(C) and can be cited in applications for Certificates of Assured Water Supply or for Analysis of Assured Water Supply. These applications have certain additional requirements based on the assured water supply criteria referenced in A.R.S. 45-576 and Rule R12-15-701 et. seq. For further information on these requirements, please contact the Office of Assured and Adequate Water Supply at (602) 417-2465. **If the Department finds that the groundwater supply is not available because the assumptions and information used in determining the physical availability under the current criteria prove incorrect, the Department will modify the availability of groundwater accordingly.**

The Department's determination is an appealable agency action. In order to appeal this decision, you must request an appeal within thirty (30) days from receipt of this letter. I have enclosed a summary of the appeals process and an appeal form should you wish to pursue this option.

If you have any questions regarding the physical availability review, please contact me at (602) 417-2448.

Sincerely,

Frank Putman
Acting Assistant Director

FP/KM/rd
202451

cc: Mr. Stephen D. Noel, Southwest Ground-water Consultants, Inc.
Mr. Doug Dunham, Office of Assured & Adequate Water Supply

ARIZONA DEPARTMENT OF WATER RESOURCES

OFFICE OF ASSURED AND ADEQUATE WATER SUPPLY
500 NORTH THIRD STREET
PHOENIX, ARIZONA 85004-3921
(602) 417-2465

APPLICATION FOR A PHYSICAL AVAILABILITY DEMONSTRATION

(Refer to application guidelines for assistance in completing this form)

PART A - GENERAL INFORMATION

1. Applicant Name: Pivotal Group
   Phone: (602) 956-7200 Facsimile: (602) 956-2313 E-mail: kpolen@pivotalgroup.com
   Address: c/o Karl Polen at Pivotal Group, 2555 E Camelback Rd., Ste. 700, Phoenix, AZ 85016
   Applicant is: ___ Land Owner X Other: Attorney in Fact
2. Name of Study Area: Sandia - Also known as Sundance Farms
3. Location: 5S (Township) 7E (Range) 13, 14, 23, 24, 25 (Section(s)) Pinal (County) Pinal (AMA (if applicable))
4. Consultant Name: Southwest Ground-water Consultans, Inc.
   Phone: (602) 955-5547 Facsimile: (602) 955-7585 E-mail: snoel@sgcground-water.com
   Address: 3900 E. Camelback Rd., Suite 200, Phoenix, AZ 85018-2636
5. Application is for: X New study __ Update, study previously reviewed by the Department
6. Attach a map of the study area (or include in hydrologic study)
7. Size of study area: 3,180 acres

PART B - WATER DEMAND INFORMATION

1. Expected year of build-out: 2020
2. Total demand projected for study area at build-out: 8,159 AF/Year
   Residential demand: 5,343 AF/Year
   Non-residential demand: 2,816 AF/Year
   Type of non-residential uses: Open Space, Schools, Construction, & System Losses
3. Assumptions used in calculating water demand in Item 2: See Hydrologic Study in Attachment I

PART C - WATER SUPPLY INFORMATION

1. Please indicate source(s) of water to be used: X Groundwater __ Surface Water __ Effluent
   (If the sources includes non-groundwater supplies, please complete "Supplement C.")
2. a. Proposed method of water distribution: __ Dry lot (individual wells) X Central distribution system
   b. Water provider name: Woodruff Water Company, Inc. ___ Existing X Proposed

Water
#7

ATTACHMENT – C-3

Itemized List of Major Plant Components

ATTACHMENT C-3

WOOD/PATEL

CIVIL ENGINEERS • HYDROLOGISTS • LAND SURVEYORS • CONSTRUCTION MANAGERS

Darrel E. Wood, P.E., R.L.S.
Ashok C. Patel, P.E., R.L.S.
Gordon W. R. Wark, P.E.
James S. Campbell, P.E.
Thomas R. Gettings, R.L.S.
Timothy A. Huval, P.E.
Richard G. Roberts, P.E.
Michael T. Young, P.E.

April 28, 2004

Mr. Russ Shasky
Pivotal Group
2555 East Camelback Road
Suite 700
Phoenix, AZ 85016

Phone: (602) 956-7200
Fax: (602) 956-2313

Re: **Sundance Farms Master Planned Community**
Woodruff Water Company Potable Water Plant Construction Schedule
WP #042127

Dear Mr. Shasky:

Attached is our Opinion of Probable Costs for 5-year development costs for the water system for the Sundance Farms Master Planned Community. The Opinion of Probable Costs is based on 5 years, with projected unit count of 2,700 by the end of year 5. Depreciation has been assumed at 4%.

We trust this meets your requirements. If you have any questions, please contact us.

Sincerely,

WOOD, PATEL & ASSOCIATES, INC.

Gordon W.R. Wark, P.E.
Senior Vice President

GWRW/km

Enclosure(s)

cc: Mr. Michael T. Young, P.E. - Wood/Patel

Y:\WP\General Correspondence\042127 Potable Water Plant Construction Schedule.doc

Mission - Client Service
WOOD PATEL Anniversary
ARIZONA

ATTACHMENT C-3

WOODRUFF WATER COMPANY
POTABLE WATER PLANT CONSTRUCTION SCHEDULE

Component	Year 1	Year 2	Year 3	Year 4	Year 5
Water Plant & Booster Pump Station	$ 1,980,000	$ -	$ -	$ -	$ -
Potable Wells	$ 850,000	$ 850,000	$ -	$ -	$ -
Well Transmission Lines	$ 100,700	$ 225,000	$ -	$ -	$ -
Well Transmission Line Valves	$ 9,200	$ 14,500	$ -	$ -	$ -
Potable Water Distribution Lines	$ 1,087,000	$ -	$ -	$ 432,000	$ 362,925
Potable Water Distribution Line Valves	$ 218,900	$ -	$ -	$ 88,900	$ 92,800
Generator	$ 30,000	$ -	$ -	$ -	$ -
Vehicle	$ 15,000	$ -	$ -	$ -	$ -
Office Facility, Furnishings & Equipment	$ 30,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000
Equipment	$ 10,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000
Meters	$ 15,000	$ 30,000	$ 30,000	$ 30,000	$ 30,000
Arsenic Treatment	$ 1,000,000	$ -	$ -	$ -	$ -
Total	$ 5,345,800	$ 1,129,500	$ 40,000	$ 560,900	$ 495,725
Cumulative Total	$ 5,345,800	$ 6,475,300	$ 6,515,300	$ 7,076,200	$ 7,571,925
Depreciation Expense	$ 213,832	$ 259,012	$ 260,612	$ 283,048	$ 302,877
Accumulative Depreciation	$ 213,832	$ 472,844	$ 733,456	$ 1,016,504	$ 1,319,381
Depreciation Rate	4.00%	4.00%	4.00%	4.00%	4.00%
Land	$ 78,750	$ 8,750	$ -	$ -	$ -
Rate Base	$ 5,210,718	$ 6,011,206	$ 5,781,844	$ 6,059,696	$ 6,252,544

Registered Professional Engineer (Civil)
CERTIFICATE NO. 24443
GORDON W.R. WARK
Date Signed 1/20/14
ARIZONA, U.S.A.

ATTACHMENT C-3

WOODRUFF WATER COMPANY
POTABLE WATER PLANT CONSTRUCTION SCHEDULE

Consumption	Year 1	Year 2	Year 3	Year 4	Year 5
Number of Customers (units)	300.00	900.00	1,500.00	2,100.00	2,700.00
Average Annual Consumption	120,000.00	120,000.00	120,000.00	120,000.00	120,000.00
Annual Gallons	36,000,000.00	108,000,000.00	180,000,000.00	252,000,000.00	324,000,000.00

ATTACHMENT - C-4

Plant In Service

CW-4

PROFORMA UTILITY PLANT IN SERVICE (WATER)

FIRST YEAR

Woodruff Water Company

	ORIGINAL COST	ACCUM. DEPRC.	ORIG. COST LESS DEPREC.
Organization	$ 25,000	$ -	$ 25,000
Franchises	-	-	-
Land and Land Rights	-	-	-
Structures and Improvements	-	-	-
Collecting and Impounding Rese	-	-	-
Lake, River and Other Intakes	-	-	-
Wells and Springs	959,900	15,982	943,918
Infiltration Galleries and Tun	-	-	-
Supply Mains	-	-	-
Power Generation Equipment	30,000	750	29,250
Pumping Equipment	1,980,000	123,750	1,856,250
Water Treatment Equipment	1,000,000	16,650	983,350
Distribution Reservoirs and St	-	-	-
Transmission and Distribution	-	-	-
Transmission and Distribution (AIAC)	1,306,900	13,069	1,293,831
Services	-	-	-
Meters and Meter Installations	120,000	4,998	115,002
Hydrants	-	-	-
Hydrants (AIAC)	-	-	-
Backflow Prevention Devices	-	-	-
Other Plant and Miscellaneous	-	-	-
Office Furniture and Equipment	30,000	1,001	29,000
Transportation Equipment	15,000	1,500	13,500
Stores Equipment	10,000	200	9,800
Tools, Shop and Garage Equipme	-	-	-
Laboratory Equipment	-	-	-
Power Operated Equipment	-	-	-
Communication Equipment	-	-	-
Miscellaneous Equipment	-	-	-
Other Tangible Plant	-	-	-
Other Tangible Plant	-	-	-
TOTAL PLANT IN SERVICE	$ 5,476,800	$ 177,900	$ 5,298,900

CW-4

PROFORMA UTILITY PLANT IN SERVICE (WATER)

SECOND YEAR

Woodruff Water Company

	ORIGINAL COST	ACCUM. DEPRC.	ORIG. COST LESS DEPREC.
Organization	$ 25,000	$ -	$ 25,000
Franchises	-	-	-
Land and Land Rights	-	-	-
Structures and Improvements	-	-	-
Collecting and Impounding Rese	-	-	-
Lake, River and Other Intakes	-	-	-
Wells and Springs	2,049,400	66,087	1,983,313
Infiltration Galleries and Tun	-	-	-
Supply Mains	-	-	-
Power Generation Equipment	30,000	2,250	27,750
Pumping Equipment	1,980,000	371,250	1,608,750
Water Treatment Equipment	1,000,000	49,950	950,050
Distribution Reservoirs and St	-	-	-
Transmission and Distribution	-	-	-
Transmission and Distribution (AIAC)	1,306,900	39,207	1,267,693
Services	-	-	-
Meters and Meter Installations	362,000	25,073	336,927
Hydrants	-	-	-
Hydrants (AIAC)	-	-	-
Backflow Prevention Devices	-	-	-
Other Plant and Miscellaneous	-	-	-
Office Furniture and Equipment	35,000	3,168	31,832
Transportation Equipment	15,000	4,500	10,500
Stores Equipment	15,000	700	14,300
Tools, Shop and Garage Equipme	-	-	-
Laboratory Equipment	-	-	-
Power Operated Equipment	-	-	-
Communication Equipment	-	-	-
Miscellaneous Equipment	-	-	-
Other Tangible Plant	-	-	-
Other Tangible Plant	-	-	-
TOTAL PLANT IN SERVICE	$ 6,818,300	$ 562,186	$ 6,256,114

CW-4

PROFORMA UTILITY PLANT IN SERVICE (WATER)

THIRD YEAR

Woodruff Water Company

	ORIGINAL COST	ACCUM. DEPRC.	ORIG. COST LESS DEPREC.
Organization	$ 25,000	$ -	$ 25,000
Franchises	-	-	-
Land and Land Rights	-	-	-
Structures and Improvements	-	-	-
Collecting and Impounding Rese	-	-	-
Lake, River and Other Intakes	-	-	-
Wells and Springs	2,049,400	134,332	1,915,068
Infiltration Galleries and Tun	-	-	-
Supply Mains	-	-	-
Power Generation Equipment	30,000	3,750	26,250
Pumping Equipment	1,980,000	618,750	1,361,250
Water Treatment Equipment	1,000,000	83,250	916,750
Distribution Reservoirs and St	-	-	-
Transmission and Distribution	-	-	-
Transmission and Distribution (AIAC)	1,306,900	65,345	1,241,555
Services	-	-	-
Meters and Meter Installations	605,700	65,378	540,322
Hydrants	-	-	-
Hydrants (AIAC)	-	-	-
Backflow Prevention Devices	-	-	-
Other Plant and Miscellaneous	-	-	-
Office Furniture and Equipment	40,000	5,670	34,331
Transportation Equipment	15,000	7,500	7,500
Stores Equipment	20,000	1,400	18,600
Tools, Shop and Garage Equipme	-	-	-
Laboratory Equipment	-	-	-
Power Operated Equipment	-	-	-
Communication Equipment	-	-	-
Miscellaneous Equipment	-	-	-
Other Tangible Plant	-	-	-
Other Tangible Plant	-	-	-
TOTAL PLANT IN SERVICE	$ 7,072,000	$ 985,375	$ 6,086,625

CW-4

PROFORMA UTILITY PLANT IN SERVICE (WATER)

FOURTH YEAR

Woodruff Water Company

	ORIGINAL COST	ACCUM. DEPRC.	ORIG. COST LESS DEPREC.
Organization	$ 25,000	$ -	$ 25,000
Franchises	-	-	-
Land and Land Rights	-	-	-
Structures and Improvements	-	-	-
Collecting and Impounding Rese	-	-	-
Lake, River and Other Intakes	-	-	-
Wells and Springs	2,049,400	202,577	1,846,823
Infiltration Galleries and Tun	-	-	-
Supply Mains	-	-	-
Power Generation Equipment	30,000	5,250	24,750
Pumping Equipment	1,980,000	866,250	1,113,750
Water Treatment Equipment	1,000,000	116,550	883,450
Distribution Reservoirs and St	-	-	-
Transmission and Distribution	-	-	-
Transmission and Distribution (AIAC)	1,827,800	96,692	1,731,108
Services	-	-	-
Meters and Meter Installations	847,700	125,912	721,788
Hydrants	-	-	-
Hydrants (AIAC)	-	-	-
Backflow Prevention Devices	-	-	-
Other Plant and Miscellaneous	-	-	-
Office Furniture and Equipment	45,000	8,504	36,496
Transportation Equipment	15,000	10,500	4,500
Stores Equipment	25,000	2,300	22,700
Tools, Shop and Garage Equipme	-	-	-
Laboratory Equipment	-	-	-
Power Operated Equipment	-	-	-
Communication Equipment	-	-	-
Miscellaneous Equipment	-	-	-
Other Tangible Plant	-	-	-
Other Tangible Plant	-	-	-
TOTAL PLANT IN SERVICE	$ 7,844,900	$ 1,434,536	$ 6,410,364

CW-4

PROFORMA UTILITY PLANT IN SERVICE (WATER)

FIFTH YEAR

Woodruff Water Company

	ORIGINAL COST	ACCUM. DEPRC.	ORIG. COST LESS DEPREC.
Organization	$ 25,000	$ -	$ 25,000
Franchises	-	-	-
Land and Land Rights	-	-	-
Structures and Improvements	-	-	-
Collecting and Impounding Rese	-	-	-
Lake, River and Other Intakes	-	-	-
Wells and Springs	2,049,400	270,822	1,778,578
Infiltration Galleries and Tun	-	-	-
Supply Mains	-	-	-
Power Generation Equipment	30,000	6,750	23,250
Pumping Equipment	1,980,000	1,113,750	866,250
Water Treatment Equipment	1,000,000	149,850	850,150
Distribution Reservoirs and St	-	-	-
Transmission and Distribution	-	-	-
Transmission and Distribution (AIAC)	2,283,525	137,805	2,145,720
Services	-	-	-
Meters and Meter Installations	1,089,700	206,605	883,095
Hydrants	-	-	-
Hydrants (AIAC)	-	-	-
Backflow Prevention Devices	-	-	-
Other Plant and Miscellaneous	-	-	-
Office Furniture and Equipment	50,000	11,673	38,328
Transportation Equipment	15,000	13,500	1,500
Stores Equipment	30,000	3,400	26,600
Tools, Shop and Garage Equipme	-	-	-
Laboratory Equipment	-	-	-
Power Operated Equipment	-	-	-
Communication Equipment	-	-	-
Miscellaneous Equipment	-	-	-
Other Tangible Plant	-	-	-
Other Tangible Plant	-		-
TOTAL PLANT IN SERVICE	$ 8,552,625	$ 1,914,155	$ 6,638,470

Water
#9

Woodruff Water Company
Projected Balance Sheets
For the Years Ended

Exhibit
Schedule 1
Page 1
Witness: Kozoman
Revised

Line No.		Beginning of Year	Label	1st year Changes	Year 1	Year 2	Year 3	Year 4	Year 5
3	**Assets**								
5	Utility Plant	-	(a)	5,476,800	5,476,800	6,818,300	7,072,000	7,844,900	8,552,625
6	Accumulated Depreciation	-	(b)	(177,900)	(177,900)	(562,186)	(985,375)	(1,434,536)	(1,914,155)
8	Cash	25,000		5,388	30,388	160,048	510,992	1,082,174	1,756,487
11	**Total Assets**	$ 25,000		$ 5,304,288	$ 5,329,288	$ 6,416,162	$ 6,597,618	$ 7,492,538	$ 8,394,957
13	Equity and Liabilities			-					
15	**Equity**								
17	Common Stock	25,000	(d)	4,124,900	4,149,900	5,249,400	5,249,400	5,249,400	5,249,400
19	Retained Earnings		(e)	(247,512)	(247,512)	(480,778)	(470,796)	(206,709)	224,301
20	**Total Equity**	$ 25,000		$ 3,877,388	$ 3,902,388	$ 4,768,622	$ 4,778,604	$ 5,042,691	$ 5,473,701
22	**Liabilities & Deferred Credits**			-					
23	Advances in Aid of Construction		(f)	1,306,900	1,306,900	1,297,540	1,261,511	1,710,915	2,025,094
24	Contributions in Aid of			-					
25	Construction		(g)	-	-	-	3	3	3
26	Less: Amortization		(h)	-	-	-	(0)	(0)	(1)
27	Customer Deposits		(i)	-					
28	Meter Deposits			120,000	120,000	350,000	557,500	738,930	896,160
29	Long-Term Debt			-					
31	**Total Liabilities and**								
32	**Deferred Credits**	-		1,426,900	1,426,900	1,647,540	1,819,014	2,449,847	2,921,256
35	**Total Equity & Liab.**	$ 25,000		$ 5,304,288	$ 5,329,288	$ 6,416,162	$ 6,597,618	$ 7,492,538	$ 8,394,957

36 (a) Plant Additions (See Schedules 1.1 and 1a)
37 (b) Depreciation Computations (See Schedule 1a)
38 (c) Change in cash (Please Schedule 3)
39 (d) Common Stock issuance and or repurchase. (See Schedule 1b)
40 (e) Profit or loss from operations (See Schedule 2)
41 (f) Advances in Aid of Construction (See Schedule 1c)
42 (g) Contributions in Aid of Construction (See Schedule 1e)
43 (h) Amortization of Contributions in Aid of Construction, if applicable (See Schedule 1e)
44 (i) Security deposits (2 times average bill)

ATTACHMENT C

PROFORMA BALANCE SHEET (WATER)

Woodruff Water Company

	Year 1	Year 2	Year 3	Year 4	Year 5
ASSETS					
Current Assets					
Cash	$ 30,388	$ 160,048	$ 510,992	$ 1,082,174	$ 1,756,487
Accounts Receivable	0	0	0	0	0
Other	0	0	0	0	0
Total Current Assets	$ 30,388	$ 160,048	$ 510,992	$ 1,082,174	$ 1,756,487
Fixed Assets					
Utility Plant	$ 5,476,800	$ 6,818,300	$ 7,072,000	$ 7,844,900	$ 8,552,625
(Less) Accumulated Depreciation	(177,900)	(562,186)	(985,375)	(1,434,536)	(1,914,155)
Net Plant in Service	$ 5,298,900	$ 6,256,114	$ 6,086,625	$ 6,410,364	$ 6,638,470
Total Assets	$ 5,329,288	$ 6,416,162	$ 6,597,618	$ 7,492,538	$ 8,394,957
LIABILITIES AND CAPITAL					
Current and Accrued Liabilities					
Accounts Payable	0	0	0	0	0
Notes Payable	0	0	0	0	0
Accrued Taxes	0	0	0	0	0
Accrued Interest	0	0	0	0	0
Other	0	0	0	0	0
Total Current and Accred Liabilities	0	0	0	0	0

Water
#10

Woodruff Water Company
2555 E. Camelback Road, Suite 700
Phoenix, AZ 85016

June 15, 2004

Pinal County
Special Services
Mr. Gary Medina
31 N. Pinal Street, Building A
Florence, AZ 85232

RE: Water Franchise

Dear Mr. Medina:

Woodruff Utility Company seeks a water franchise for an area located in Pinal County for the purpose of constructing, operating, and maintaining water lines and associated facilities in the area and along public streets, alleys, and highways.

The area that Woodruff Water Company seeks a water franchise is Township 5 South, Range 7 East, all of Section 14 except a portion of the Northeast corner, all of Section 13 except portions of the North half, a portion of the North half of Section 23, all of Section 24 except a portion of the West half, all of Section 25, except a portion of the West half. Please see the attached legal description and Exhibits for a detailed description of the area.

A check in the amount of $200 is enclosed for the application fee. Please issue a water franchise to the Woodruff Water Company and send it to my attention at the address above. Please call Russ Shasky at (602) 956-7200 if you have any questions or need anything else to support this request.

Sincerely,

Karl Polen
Vice President

Cc:

Pinal County Board of Supervisors
ATTN: Jimmie B. Kerr
P.O. Box 827
Florence, Arizona 85232

Robert F. Flatley, City Manager
City of Coolidge
130 W. Central Avenue
Coolidge, AZ 85228

Enclosures

PIVOTAL GROUP, INC.
2555 E. CAMELBACK ROAD, SUITE 700
PHOENIX, AZ 85016
(602) 956-7200

BANK ONE ARIZONA, N.A.
PHOENIX, AZ 85004
61-2/1221

7593

6/8/2004

PAY TO THE ORDER OF Pinal County $**200.00

Two Hundred and 00/100********** DOLLARS

Pinal County

PIVOTAL GROUP, INC.

MEMO Water franchise application fee

⑈007593⑈ ⑆122100024⑆ 2216⑈9608⑈

© 1984 - 2000 INTUIT INC. # 542 1-800-433-8810

PIVOTAL GROUP, INC.

Pinal County 6/8/2004 7593

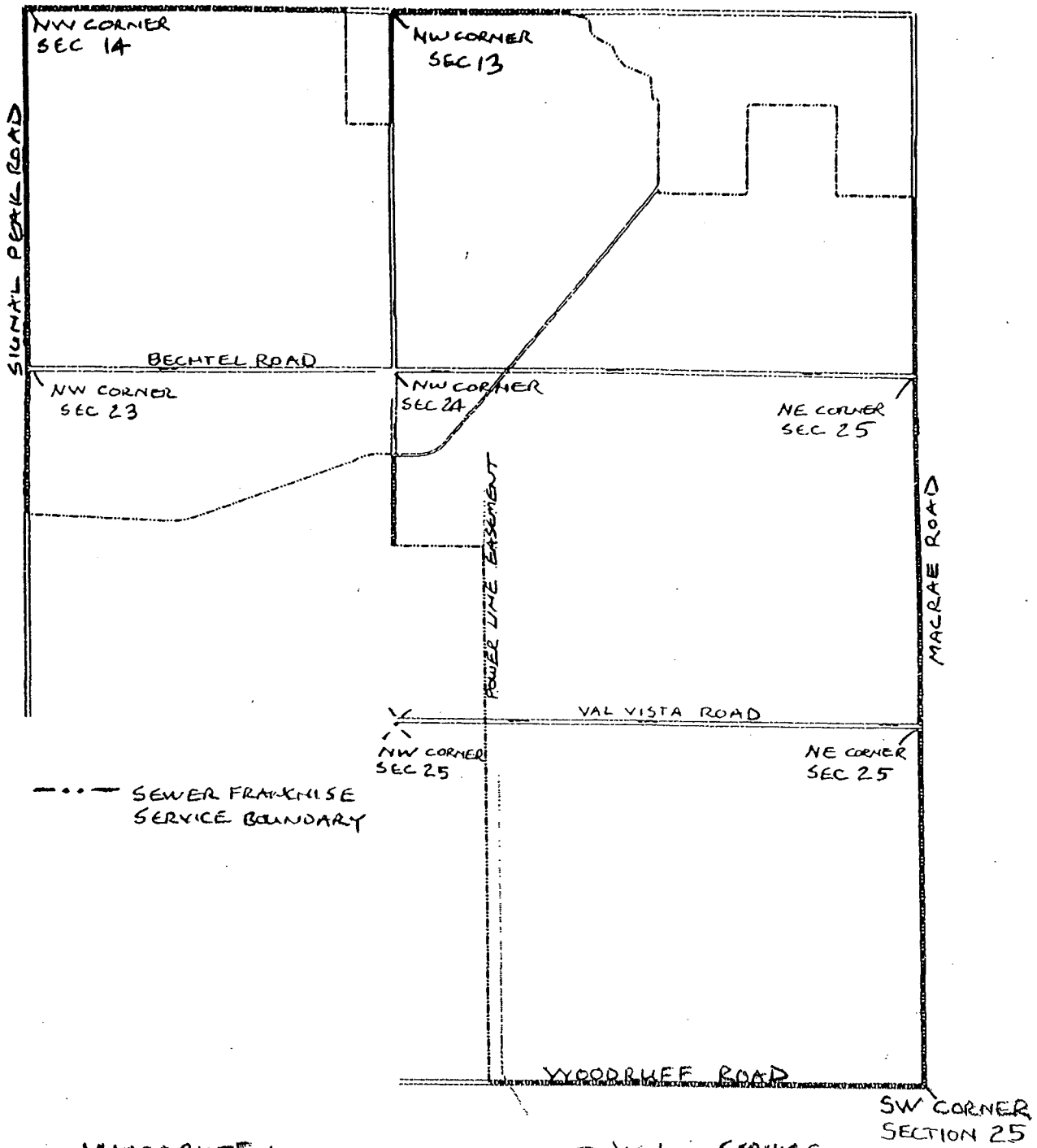
5.0 200.00

PGI - Cash-Checking Water franchise application fee 200.00

ATTACHMENT "A"

PINAL COUNTY
WEST OF COOLIDGE

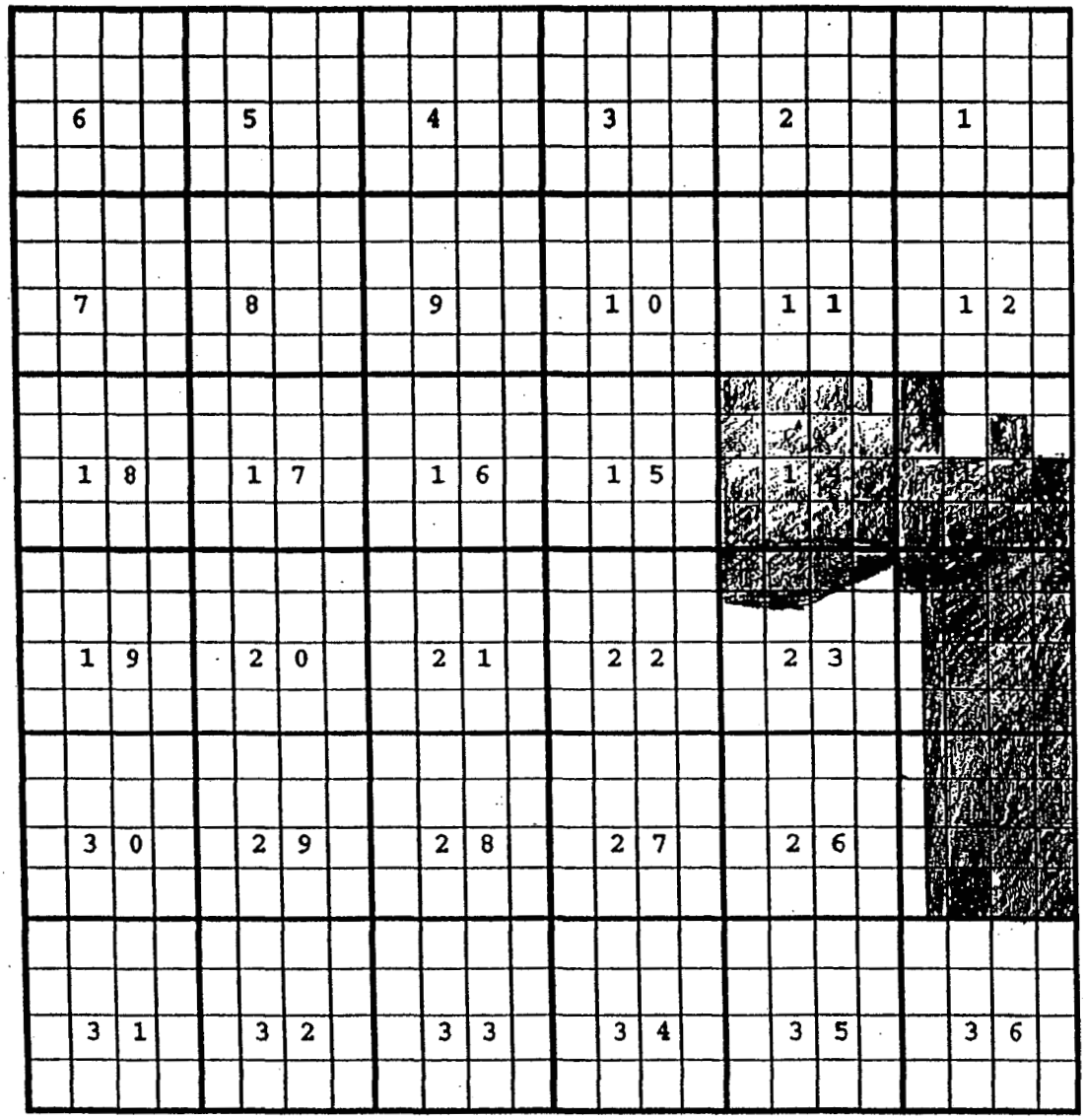
SECTIONS 13, 14, 23, 24, 25
TOWNSHIP 5 SOUTH
RANGE 7 EAST



WOODRUFF WATER COMPANY - Water SERVICE FRANCHISE AREA

ATTACHMENT "B"

COUNTY	SECTION	TOWNSHIP	RANGE
Pinal County West of Coolidge	Sections 13, 14, 23, 24, 25	Township 5 South	Range 7 East

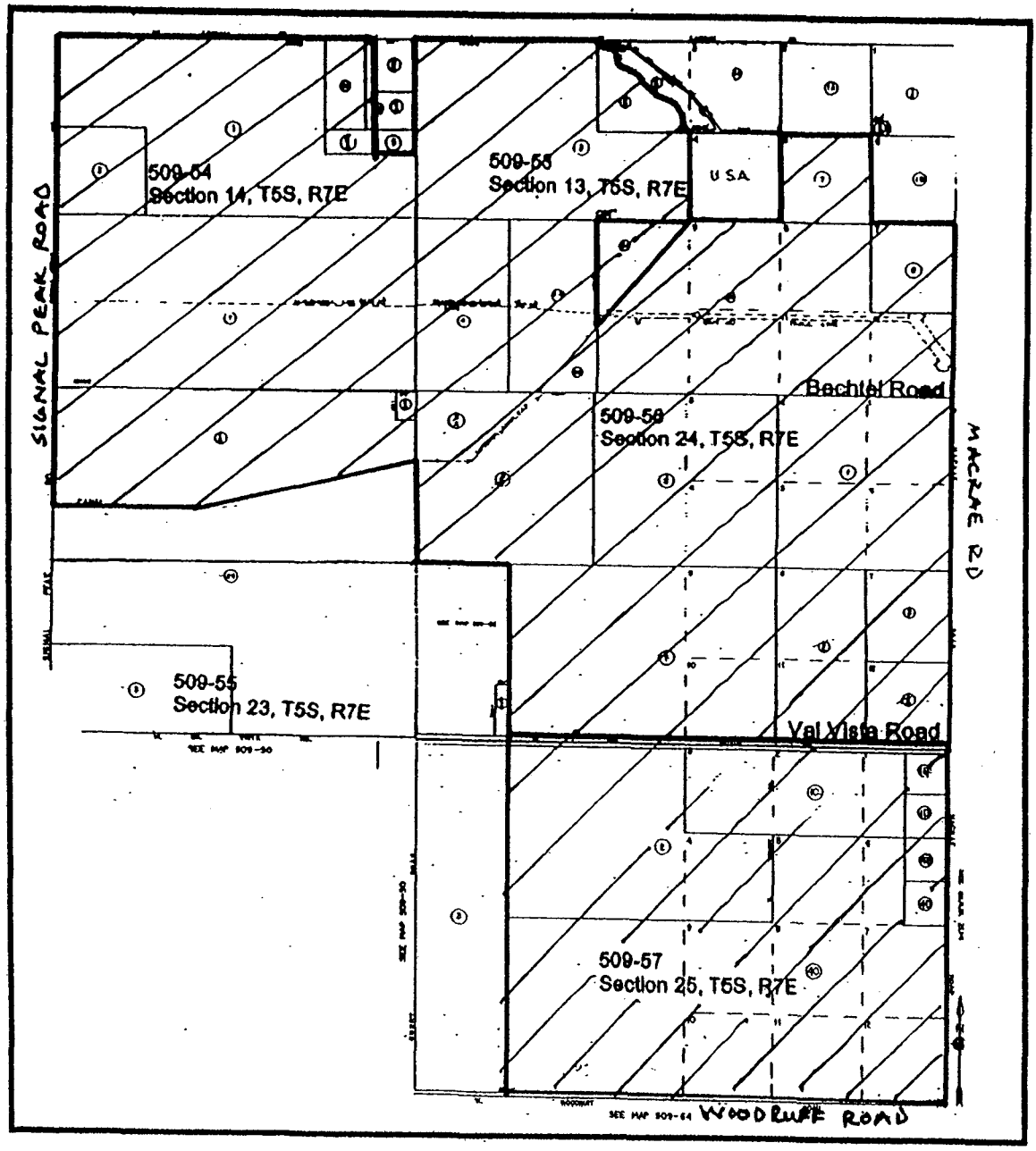


Type or Print Description Here:

Woodruff Water Company - Water Service Franchise Area - [redacted]

ATTACHMENT
C

WOODRUFF UTILITY CO.



Woodruff Water Company
2555 E. Camelback Road, Suite 700
Phoenix, AZ 85016

June 15, 2004

Pinal County
Special Services
Mr. Gary Medina
31 N. Pinal Street, Building A
Florence, AZ 85232

RE: Water Franchise

Dear Mr. Medina:

Woodruff Utility Company seeks a water franchise for an area located in Pinal County for the purpose of constructing, operating, and maintaining water lines and associated facilities in the area and along public streets, alleys, and highways.

The area that Woodruff Water Company seeks a water franchise is Township 5 South, Range 7 East, all of Section 14 except a portion of the Northeast corner, all of Section 13 except portions of the North half, a portion of the North half of Section 23, all of Section 24 except a portion of the West half, all of Section 25, except a portion of the West half. Please see the attached legal description and Exhibits for a detailed description of the area.

A check in the amount of $200 is enclosed for the application fee. Please issue a water franchise to the Woodruff Water Company and send it to my attention at the address above. Please call Russ Shasky at (602) 956-7200 if you have any questions or need anything else to support this request.

Sincerely,

Karl Polen
Vice President

Cc:

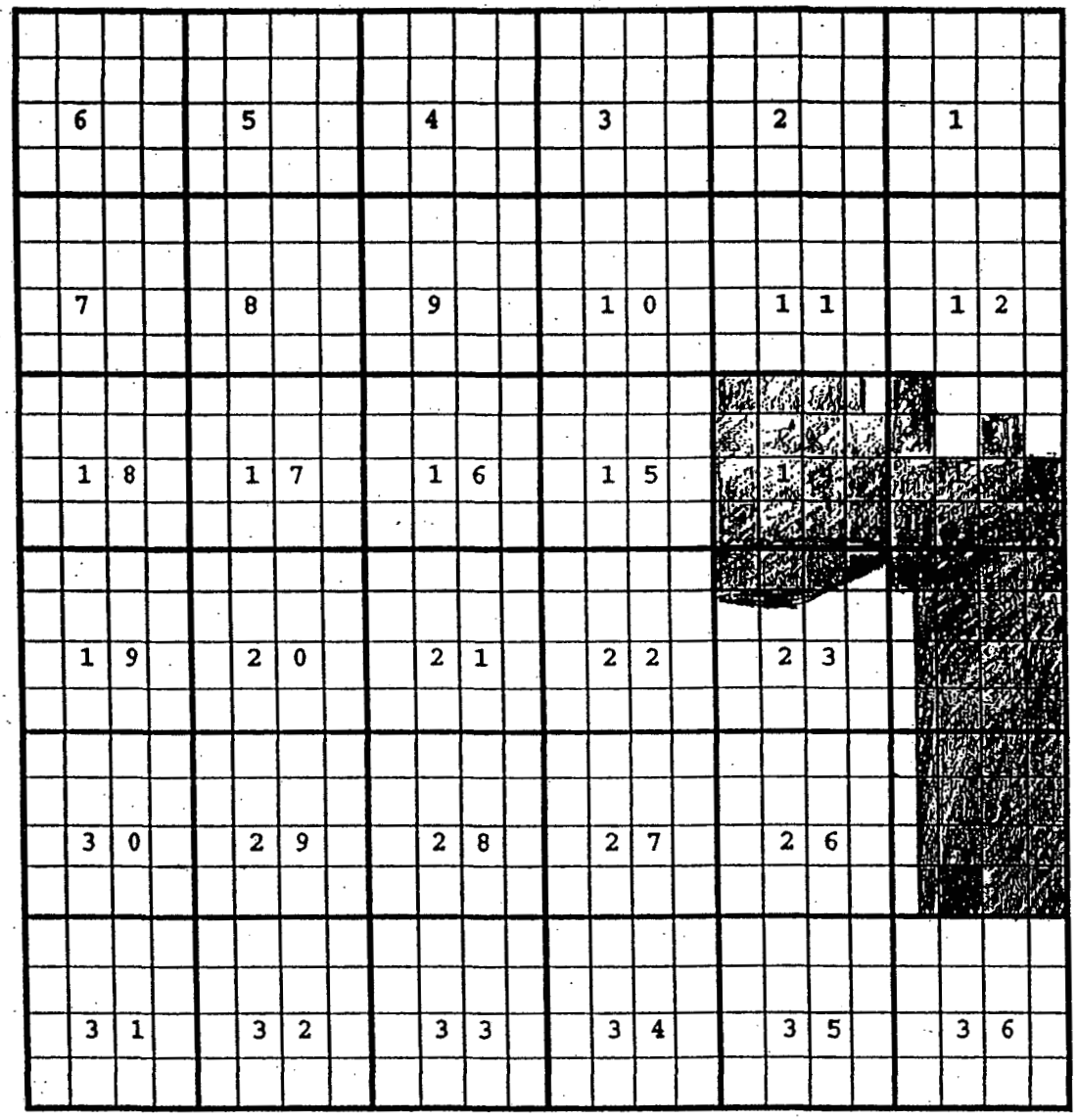
Pinal County Board of Supervisors
ATTN: Jimmie B. Kerr
P.O. Box 827
Florence, Arizona 85232

Robert F. Flatley, City Manager
City of Coolidge
130 W. Central Avenue
Coolidge, AZ 85228

Enclosures

ATTACHMENT "B"

Pinal County West of Coolidge	Sections 13, 14, 23, 24, 25	Township 5 South	Range 7 East
COUNTY	SECTION	TOWNSHIP	RANGE

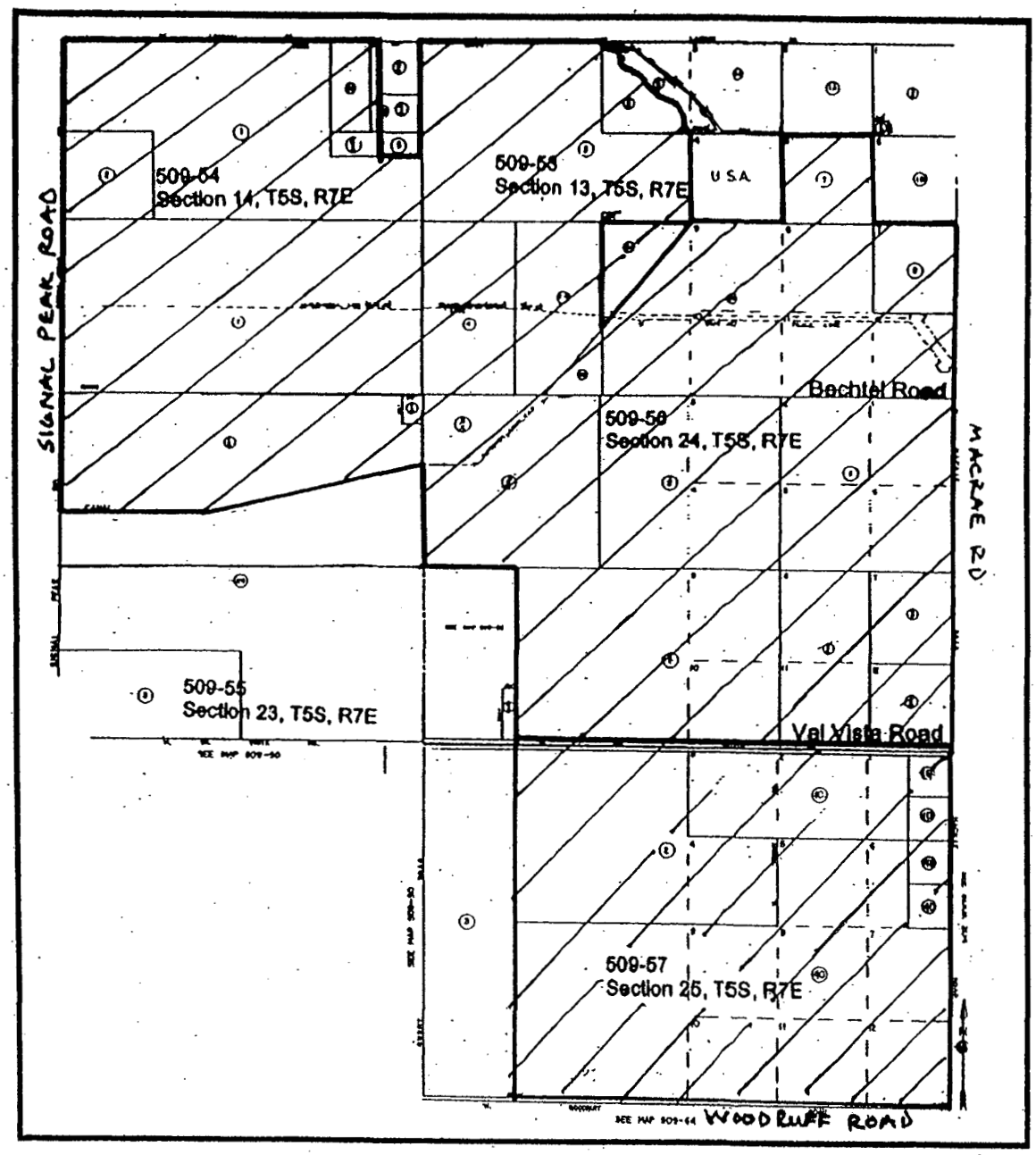


Type or Print Description Here:

Woodruff Water Company - Water Service Franchise Area - [redacted]

ATTACHMENT
C

WOODRUFF UTILITY CO.



Additional Documents

BYLAWS

OF

WOODRUFF UTILITY COMPANY,
an Arizona corporation

TABLE OF CONTENTS

Page

ARTICLE ONE: OFFICES 1
1.01 Known Place of Business and Statutory Agent 1
1.02 Other Offices 1

ARTICLE TWO: SHAREHOLDERS 1
2.01 Annual Meetings 1
2.02 Special Meetings 1
2.03 Place of Meetings 1
2.04 Notice 1
2.05 Voting List 2
2.06 Voting of Shares 2
2.07 Quorum 2
2.08 Majority Vote; Withdrawal of Quorum 2
2.09 Method of Voting; Proxies 3
2.10 Closing of Transfer Books; Record Date 3
2.11 Officers' Duties at Meetings 3

ARTICLE THREE: DIRECTORS 3
3.01 Management 3
3.02 Number; Election; Term; Qualification 4
3.03 Change in Number 4
3.04 Removal 4
3.05 Vacancies 4
3.06 Place of Meetings 4
3.07 First Meeting 4
3.08 Regular Meetings 4
3.09 Special Meetings 4
3.10 Quorum; Majority Vote 5
3.11 Procedure; Minutes 5
3.12 Presumption of Assent 5
3.13 Compensation 5

ARTICLE FOUR: COMMITTEES 5
4.01 Designation 5
4.02 Number; Qualification; Term 5
4.03 Authority 5
4.04 Committee Changes 6
4.05 Regular Meetings 6
4.06 Special Meetings 6

TABLE OF CONTENTS

Page

4.07 Quorum; Majority Vote 7
4.08 Minutes 7
4.09 Compensation 7
4.10 Responsibility 7

ARTICLE FIVE: GENERAL PROVISIONS RELATING TO MEETINGS 7
5.01 Notice 7
5.02 Waiver of Notice 7
5.03 Telephone and Similar Meetings 8
5.04 Action Without Meeting 8

ARTICLE SIX: OFFICERS AND OTHER AGENTS 8
6.01 Number; Titles; Election; Term 8
6.02 Removal 8
6.03 Vacancies 8
6.04 Authority 9
6.05 Compensation 9
6.06 President 9
6.07 Vice Presidents 9
6.08 Treasurer 9
6.09 Assistant Treasurers 9
6.10 Secretary 10
6.11 Assistant Secretaries 10

ARTICLE SEVEN: CERTIFICATES AND SHAREHOLDERS 10
7.01 Certificates for Shares 10
7.02 Issuance 10
7.03 Consideration for Shares 10
7.04 Lost, Stolen, or Destroyed Certificates 11
7.05 Transfer of Shares 11
7.06 Registered Shareholders 11
7.07 Legends 12

ARTICLE EIGHT: INDEMNIFICATION AND EXCULPATION 12
8.01 Indemnification With Respect to Actions Other Than Actions By or In The Right of the Corporation 12
8.02 Indemnification of Persons Other Than Officers, Directors and Members With Respect to Actions Other Than Actions By or In The Right of the Corporation 12
8.03 Indemnification With Respect to Actions By or In The Right of the Corporation 13

TABLE OF CONTENTS

Page

8.04 Control of Litigation 13
8.05 Insurance 14
8.06 Indemnification Determination 14
8.07 Payment of Expenses In Advance 14
8.08 Indemnification Benefits Not Exclusive 14

ARTICLE NINE: MISCELLANEOUS PROVISIONS 15
9.01 Dividends 15
9.02 Reserves 15
9.03 Books and Records 15
9.04 Fiscal Year 15
9.05 Seal 15
9.06 Resignation 15
9.07 Securities of Other Corporations 15
9.08 Amendment 16
9.09 Invalid Provisions 16
9.10 Headings 16

BYLAWS

OF

WOODRUFF UTILITY COMPANY,
an Arizona corporation

ARTICLE ONE: OFFICES

1.01 Known Place of Business and Statutory Agent. The known place of business and statutory agent of WOODRUFF UTILITY COMPANY, an Arizona corporation, (the "Corporation") shall be as designated from time to time by the appropriate filing by the Corporation in the office of the Corporation Commission of the State of Arizona.

1.02 Other Offices. The Corporation may also have offices at such other places, both within and without the State of Arizona, as the board of directors may from time to time determine or the business of the Corporation may require.

ARTICLE TWO: SHAREHOLDERS

2.01 Annual Meetings. An annual meeting of shareholders of the Corporation shall be held during each calendar year on such date and at such time as shall be designated from time to time by the board of directors and stated in the notice of the meeting, if not a legal holiday in the place where the meeting is to be held, and if a legal holiday in such place, then on the next business day following, at the time specified in the notice of the meeting. At such meeting, the shareholders shall elect directors and transact such other business as may properly be brought before the meeting.

2.02 Special Meetings. A special meeting of the shareholders may be called at any time by the president, the board of directors or the holders of not less than ten percent of all shares entitled to vote at such meeting. Only such business shall be transacted at a special meeting as may be stated or indicated in the notice of such meeting.

2.03 Place of Meetings. The annual meeting of shareholders may be held at any place within or without the State of Arizona designated by the board of directors. Special meetings of shareholders may be held at any place within or without the State of Arizona designated by the president, if he shall call the meeting, or the board of directors, if it shall call the meeting. Meetings of shareholders shall be held at the registered office of the Corporation unless another place is designated for meetings in the manner provided herein.

2.04 Notice. Written or printed notice stating the place, day and hour of each meeting of the shareholders, and, in case of a special meeting, the purpose or purposes for

which the meeting is called, shall be delivered not less than ten (10) nor more than fifty (50) days before the date of the meeting, either personally or by mail, by or at the direction of the president, the secretary or the person calling the meeting, to each shareholder of record entitled to vote at such meeting.

2.05 Voting List. At least ten (10) days before each meeting of shareholders, the secretary shall prepare a complete list of shareholders entitled to vote at such meeting, arranged in alphabetical order, including the address of each shareholder and the number of voting shares held by each shareholder. For a period of ten (10) days prior to such meeting, such list shall be kept on file at the known place of business of the Corporation and shall be subject to inspection by any shareholder during usual business hours. Such list shall be produced at such meeting, and at all times during such meeting shall be subject to inspection by any shareholder. The original stock transfer books shall be prima facie evidence as to who are the shareholders entitled to examine such list or stock transfer books.

2.06 Voting of Shares. Treasury shares, shares of its own stock owned by another corporation the majority of the voting stock of which is owned or controlled by the Corporation, and shares of its own stock held by the Corporation in a fiduciary capacity, shall not be shares entitled to vote or to be counted in determining the total number of outstanding shares. Shares held by an administrator, executor, guardian or conservator may be voted by him, either in person or by proxy, without transfer of such shares into his name. Shares held by a trustee may be voted by him, either in person or by proxy, only after the shares have been transferred into his name as trustee. Shares standing in the name of another domestic or foreign corporation of any type or kind may be voted by such officer, agent or proxy as the bylaws of such corporation may provide, or, in the absence of such provision, as the board of directors of such corporation may determine.

2.07 Quorum. The holders of a majority of the outstanding shares entitled to vote, present in person or represented by proxy, shall constitute a quorum at any meeting of shareholders, except as otherwise provided by law, the articles of incorporation or these bylaws. If a quorum shall not be present or represented at any meeting of shareholders, a majority of the shareholders entitled to vote at the meeting, who are present in person or represented by proxy, may adjourn the meeting from time to time, without notice other than announcement at the meeting, until a quorum shall be present or represented. At any reconvening of an adjourned meeting at which a quorum shall be present or represented any business may be transacted which could have been transacted at the original meeting, if a quorum had been present or represented.

2.08 Majority Vote; Withdrawal of Quorum. If a quorum is present in person or represented by proxy at any meeting, the vote of the holders of a majority of the outstanding shares entitled to vote, present in person or represented by proxy, shall decide any question brought before such meeting, unless the question is one on which, by express provision of law, the articles of incorporation or these bylaws, a different vote is required, in which event such express provision shall govern and control the decision of such question. The shareholders present at a duly convened meeting may continue to transact business until adjournment, notwithstanding any withdrawal of shareholders which may leave less than a quorum remaining.

2.09 Method of Voting; Proxies. Every shareholder of record shall be entitled at every meeting of shareholders to one vote on each matter submitted to a vote, for every share standing in his name on the original stock transfer books of the Corporation except to the extent that the voting rights of the shares of any class or classes are limited or denied by the articles of incorporation. Such books shall be prima facie evidence as to the identity of shareholders entitled to vote. At any meeting of shareholders, every shareholder having the right to vote may vote either in person or by a proxy executed in writing by the shareholder or by his duly authorized attorney-in-fact. Each such proxy shall be filed with the secretary of the Corporation before or at the time of the meeting. No proxy shall be valid after 11 months from the date of its execution, unless otherwise provided in the proxy. If no date is stated on a proxy, such proxy shall be presumed to have been executed on the date of the meeting at which it is to be voted. Each proxy shall be revocable unless expressly provided therein to be irrevocable or unless otherwise made irrevocable by law.

2.10 Closing of Transfer Books; Record Date. For the purpose of determining shareholders entitled to notice of or to vote at any meeting of shareholders or any reconvening thereof or entitled to receive payment of any dividend or in order to make a determination of shareholders for any other proper purpose, the board of directors may provide that the stock transfer books of the Corporation shall be closed for a stated period but not to exceed in any event fifty (50) days. If the stock transfer books are closed for the purpose of determining shareholders entitled to notice of or to vote at a meeting of shareholders, such books shall be closed for at least ten days immediately preceding such meeting. In lieu of closing the stock transfer books, the board of directors may fix in advance a date as the record date for any such determination of shareholders, such date in any case to be not more than fifty (50) days and, in case of a meeting of shareholders, not less then ten days prior to the date on which the particular action requiring such determination of shareholders is to be taken. If the stock transfer books are not closed and if no record date is fixed for the determination of shareholders entitled to notice of or to vote at a meeting of shareholders or entitled to receive payment of a dividend, the date on which the notice of the meeting is mailed or the date on which the resolution of the board of directors declaring such dividend is adopted, as the case may be, shall be the record date for such determination of shareholders.

2.11 Officers' Duties at Meetings. The president shall preside at and the secretary shall prepare minutes of each meeting of shareholders, and in the absence of either such officer, his duties shall be performed by some person appointed at the meeting.

ARTICLE THREE: DIRECTORS

3.01 Management. The business and property of the Corporation shall be managed by the board of directors, and subject to the restrictions imposed by law, the articles of incorporation or these bylaws, the board of directors may exercise all the powers of the Corporation.

3.02 Number; Election; Term; Qualification. The number of directors which shall constitute the board of directors shall be not less than one (1). The first board of directors

shall consist of the number of directors named in the articles of incorporation. Thereafter, within the limits above specified, the number of directors which shall constitute the entire board of directors shall be determined by resolution of the board of directors at any meeting thereof or by the shareholders at any meeting thereof. At each annual meeting of shareholders, directors shall be elected to hold office until the next annual meeting of shareholders and until their successors are elected and qualified. No director need be a shareholder, a resident of the State of Arizona or a citizen of the United States.

3.03 Change in Number. No decrease in the number of directors constituting the entire board of directors shall have the effect of shortening the term of any incumbent director. In case of any increase in the number of directors the additional directors shall be elected at a meeting of shareholders.

3.04 Removal. At any meeting of shareholders called expressly for that purpose any director or the entire board of directors may be removed, with or without cause, by a vote of the holders of a majority of the shares then entitled to vote on the election of directors.

3.05 Vacancies. Any vacancy occurring in the board of directors may be filled by the affirmative vote of a majority of the remaining directors though not less than a quorum of the board of directors. A director elected to fill a vacancy shall be elected to serve for the unexpired term of his predecessor in office.

3.06 Place of Meetings. The board of directors may hold its meetings and may have an office and keep the books of the Corporation, except as otherwise provided by law, in such place or places within or without the State of Arizona as the board of directors may from time to time determine.

3.07 First Meeting. Each newly elected board of directors may hold its first meeting for the purpose of organization and the transaction of business, if a quorum is present, immediately after and at the same place as the annual meeting of shareholders, and no notice of such meeting shall be necessary.

3.08 Regular Meetings. Regular meetings of the board of directors may be held without notice at such times and places as may be designated from time to time by resolution of the board of directors and communicated to all directors.

3.09 Special Meetings. Special meetings of the board of directors shall be held whenever called by any director. The director calling any special meeting shall cause notice of such special meeting to be given to each director at least two days before such special meeting. Neither the business to be transacted at, nor the purpose of, any special meeting of the board of directors need be specified in the notice or waiver of notice of any special meeting.

3.10 Quorum; Majority Vote. At all meetings of the board of directors, a majority of the directors fixed in the manner provided in these bylaws shall constitute a quorum for the transaction of business. If a quorum is not present at a meeting, a majority of

the directors present may adjourn the meeting from time to time, without notice other than an announcement at the meeting, until a quorum is present. The act of a majority of the directors present at a meeting at which a quorum is in attendance shall be the act of the board of directors, unless the act of a greater number is required by law, the articles of incorporation or these bylaws.

3.11 Procedure; Minutes. At meetings of the board of directors, business shall be transacted in such order as from time to time the board of directors may determine. The board of directors shall appoint at each meeting a person to preside at the meeting and a person to act as secretary of the meeting. The secretary of the meeting shall prepare minutes of the meeting which shall be delivered to the secretary of the Corporation for placement in the minute books of the Corporation.

3.12 Presumption of Assent. A director of the Corporation who is present at any meeting of the board of directors at which action on any matter is taken shall be presumed to have assented to the action unless his dissent shall be entered in the minutes of the meeting or unless he shall file his written dissent to such action with the person acting as secretary of the meeting before the adjournment thereof or shall forward any dissent by certified or registered mail to the secretary of the Corporation immediately after the adjournment of the meeting. Such right to dissent shall not apply to a director who voted in favor of such action.

3.13 Compensation. Directors, in their capacity as directors, may receive, by resolution of the board of directors, a fixed sum and expenses of attendance, if any, for attending meetings of the board of directors or a stated salary. No director shall be precluded from serving the Corporation in any other capacity or receiving compensation therefor.

ARTICLE FOUR: COMMITTEES

4.01 Designation. The board of directors may by resolution adopted by a majority of the entire board of directors designate executive and other committees.

4.02 Number; Qualification; Term. Each committee shall consist of one or more directors. The number of committee members may be increased or decreased from time to time by resolution adopted by a majority of the entire board of directors.

4.03 Authority. Each committee, to the extent provided in the resolution establishing such committee, shall have and may exercise all of the authority of the board of directors in the management of the business and property of the Corporation. However, no committee shall have the authority of the board of directors in reference to:

(a) amending the articles of incorporation;

(b) approving a plan of merger or consolidation;

(c) recommending to the shareholders the sale, lease or exchange of all or substantially all of the property and assets of the Corporation otherwise than in the usual and regular course of its business;

(d) recommending to the shareholders a voluntary dissolution of the Corporation or a revocation thereof;

(e) amending, altering or repealing these bylaws or adopting new bylaws;

(f) filling vacancies in or removing members of the board of directors or of any committee;

(g) electing or removing officers or committee members;

(h) fixing the compensation of any committee member;

(i) altering or repealing any resolution of the board of directors which by its terms provides that it shall not be amendable or repealable;

(j) declaring a dividend; or

(k) authorizing the issuance of shares of the Corporation.

4.04 Committee Changes. The board of directors shall have the power at any time to fill vacancies in, to change the membership of and to discharge any committee. However, a committee member may be removed by the board of directors, only if, in the judgment of the board of directors, the best interests of the Corporation will be served thereby.

4.05 Regular Meetings. Regular meetings of any committee may be held without notice at such time and place as may be designated from time to time by the committee and communicated to all members thereof.

4.06 Special Meetings. Special meetings of any committee may be held whenever called by any committee member. The committee member calling any special meeting shall cause notice of such special meeting to be given to each committee member at least two days before such special meeting. Neither the business to be transacted at, nor the purpose of, any special meeting of any committee need be specified in the notice or waiver of notice of any special meeting.

4.07 Quorum; Majority Vote. At meetings of any committee, a majority of the number of members designated by the board of directors shall constitute a quorum for the

transaction of business. If a quorum is not present at a meeting of any committee, a majority of the members present may adjourn the meeting from time to time, without notice other than an announcement at the meeting, until a quorum is present. The act of a majority of the members present at any meeting at which a quorum is in attendance shall be the act of a committee, unless the act of a greater number is required by law, the articles of incorporation or these bylaws.

4.08 Minutes. Each committee shall cause minutes of its proceedings to be prepared and shall report the same to the board of directors upon the request of the board of directors. The minutes of the proceedings of each committee shall be delivered to the secretary of the Corporation for placement in the minute books of the Corporation.

4.09 Compensation. Committee members may, by resolution of the board of directors, be allowed a fixed sum and expenses of attendance, if any, for attending any committee meetings or a stated salary.

4.10 Responsibility. The designation of any committee and the delegation of authority to it shall not operate to relieve the board of directors or any director of any responsibility imposed upon it or such director by law.

ARTICLE FIVE: GENERAL PROVISIONS RELATING TO MEETINGS

5.01 Notice. Whenever by law, the articles of incorporation or these bylaws, notice is required to be given to any committee member, director or shareholder and no provision is made as to how such notice shall be given, it shall not be construed to mean personal notice, but any such notice may be given (a) in writing, by mail, postage prepaid, addressed to such member, director, or shareholder at his address as it appears on the books or (in the case of a shareholder) the stock transfer records of the Corporation, or (b) by any other method permitted by law. Any notice required or permitted to be given by mail shall be deemed to be delivered and given at the time when the same is deposited in the United States mail.

5.02 Waiver of Notice. Whenever by law, the articles of incorporation, or these bylaws, any notice is required to be given to any committee member, shareholder or director of the Corporation a waiver thereof in writing signed by the person or persons entitled to such notice, whether before or after the time notice should have been given, shall be equivalent to the giving of such notice. Attendance of a committee member, shareholder or director at a meeting shall constitute a waiver of notice of such meeting, except where such person attends for the express purpose of objecting to the transaction of any business on the ground that the meeting is not lawfully called or convened.

5.03 Telephone and Similar Meetings. Shareholders, directors or committee members may participate in and hold a meeting by means of a conference telephone or similar communications equipment by means of which persons participating in the meeting can hear each other. Participation in such a meeting shall constitute presence in person at such meeting, except where a person participates in the meeting for the express purpose of objecting to the transaction of any business on the ground that the meeting is not lawfully

called or convened.

5.04 Action Without Meeting. Any action which may be taken, or is required by law, the articles of incorporation or these bylaws to be taken, at a meeting of shareholders, the directors or any committee members may be taken without a meeting if a consent in writing, setting forth the action so taken, shall be signed by all of the shareholders, directors or committee members, as the case may be, entitled to vote with respect to the subject matter thereof, and such consent shall have the same force and effect as a unanimous vote of such shareholders, directors or committee members, as the case may be, and may be stated as such in any document filed with the Corporation Commission of the State of Arizona or in any certificate or other document delivered to any person. The consent may be in one or more counterparts so long as each shareholder, director or committee member signs one of the counterparts. The signed consent shall be placed in the minute books of the Corporation.

ARTICLE SIX: OFFICERS AND OTHER AGENTS

6.01 Number; Titles; Election; Term. The Corporation shall have a president, a secretary, a treasurer and such other officers and agents as the board of directors may deem desirable. The board of directors shall elect a president, treasurer and secretary at its first meeting at which a quorum shall be present after the annual meeting of shareholders or whenever a vacancy exists. The board of directors then, or from time to time, may also elect or appoint one or more other officers or agents as it shall deem advisable. Each officer and agent shall hold office for the term for which he is elected or appointed and until his successor has been elected or appointed and qualified. Unless otherwise provided in the resolution of the board of directors electing or appointing an officer or agent, his term of office shall extend to and expire at the meeting of the board of directors following the next annual meeting of shareholders or, if earlier, at his death, resignation or removal. Any two or more offices may be held by the same person. No officer or agent need be a shareholder, a director a resident of the State of Arizona or a citizen of the United States.

6.02 Removal. Any officer or agent elected or appointed by the board of directors may be removed by the board of directors whenever in its judgment the best interest of the Corporation will be served thereby, but such removal shall be without prejudice to the contract rights, if any, of the person so removed. Election or appointment of an officer or agent shall not of itself create contract rights.

6.03 Vacancies. Any vacancy occurring in any office of the Corporation may be filled by the board of directors.

6.04 Authority. Officers shall have such authority and perform such duties in the management of the Corporation as are provided in these bylaws or as may be determined by resolution of the board of directors not inconsistent with these bylaws.

6.05 Compensation. The compensation, if any, of officers shall be fixed, increased or decreased from time to time by the board of directors; provided, that the board of directors may by resolution delegate to any one or more officers of the Corporation the authority to fix such compensation.

6.06 President. The president shall be the chief executive officer of the Corporation and, subject to the supervision of the board of directors, shall have general management of the business and property of the Corporation in the ordinary course of its business with all such powers with respect to such business and property as may be reasonably incident to such responsibilities, including, but not limited to, the power to employ, discharge or suspend employees and agents of the Corporation, to fix the compensation of employees and agents, and to suspend, with or without cause, any officer of the Corporation pending final action by the board of directors with respect to continued suspension, removal or reinstatement of such officer. The president shall see that all orders and resolutions of the board are carried into effect and shall perform such other duties and have such other authority and powers as the board of directors may from time to time prescribe.

6.07 Vice Presidents. Each vice president shall have such powers and duties as may be prescribed by the board of directors or as may be delegated from time to time by the president and (in the order as designated by the board of directors, or in the absence of such designation, as determined by the length of time each has held the office of vice president continuously) shall exercise the powers of the president during that officer's absence or inability to act and shall perform such other duties as the board of directors shall from time to time prescribe.

6.08 Treasurer. The treasurer shall have custody of the Corporation's funds and securities, shall keep full and accurate accounts of receipts and disbursements and shall deposit all monies and valuable effects in the name and to the credit of the Corporation in such depository or depositories as may be designated by the board of directors. The treasurer shall audit all payrolls and vouchers of the Corporation, receive, audit and consolidate all operating and financial statements of the Corporation and its various departments, shall supervise the accounting and auditing practices of the Corporation and shall have charge of matters relating to taxation. Additionally, the treasurer shall have the power to endorse for deposit, collection or otherwise all checks, drafts, notes, bills of exchange and other commercial paper payable to the Corporation and to give proper receipts and discharges for all payments to the Corporation. The treasurer shall perform such other duties as may be prescribed by the board of directors or as may be delegated from time to time by the president.

6.09 Assistant Treasurers. Each assistant treasurer shall perform such other duties as may be prescribed by the board of directors or as may be delegated from time to time by the president. The assistant treasurers (in the order as designated by the board of directors or, in the absence of such designation, as determined by the length of time each has held the office of assistant treasurer continuously) shall exercise the powers of the treasurer during that officer's absence or inability to act.

6.10 Secretary. The secretary shall maintain minutes of all meetings of the board of directors, of any committee and of the shareholders or consents in lieu of such minutes in the Corporation's minute books, and shall cause notice of such meetings to be given when requested by any person authorized to call such meetings. The secretary may sign with the president, in the name of the Corporation, contracts of the Corporation and affix the seal of

the Corporation thereto. The secretary shall have charge of the certificate books, stock transfer books and stock papers as the board of directors may direct, all of which shall at all reasonable times be open to inspection by any director at the office of the Corporation during business hours. The secretary shall perform such other duties as may be prescribed by the board of directors or as may be delegated from time to time by the president.

6.11 Assistant Secretaries. Each assistant secretary shall perform such other duties as may be prescribed by the board of directors or as may be delegated from time to time by the president. The assistant secretaries (in the order designated by the board of directors or, in the absence of such designation, as determined by the length of time each has held the office of assistant secretary continuously) shall exercise the powers of the secretary during that officer's absence or inability to act.

ARTICLE SEVEN: CERTIFICATES AND SHAREHOLDERS

7.01 Certificates for Shares. The certificates for shares of stock of the Corporation shall be in such form as shall be approved by the board of directors in conformity with applicable laws. The certificates shall be consecutively numbered, shall be entered as they are issued in the books of the Corporation or in the records of the Corporation's designated transfer agent, if any, and shall state the shareholder's name, the number of shares and such other matters as may be required by law. The certificates shall be signed by the president or any vice president and also by the secretary, an assistant secretary or any other officer, and may be sealed with the seal of the Corporation or a facsimile thereof. If any certificate is countersigned by a transfer agent or registered by a registrar, either of which is other than the Corporation itself or an employee of the Corporation, the signatures of the foregoing officers may be a facsimile.

7.02 Issuance. Shares with or without par value may be issued for such consideration and to such persons as the board of directors may from time to time determine, except in the case of shares with par value the consideration must be at least equal to the par value of such shares. Shares may not be issued until the full amount of the consideration has been paid.

7.03 Consideration for Shares. The consideration for the issuance of shares shall consist of money paid, labor done (including services actually performed for the Corporation) or property (tangible or intangible) actually received. Neither promissory notes nor the promise of future services shall constitute payment for shares. In the absence of bad faith in the transaction, the judgment of the board of directors as to the value of consideration received shall be conclusive. When consideration, fixed as provided by law, has been paid, the shares shall be deemed to have been issued and shall be considered fully paid and nonassessable. The consideration received for shares shall be allocated by the board of directors, in accordance with law, between stated capital and capital surplus accounts.

7.04 Lost, Stolen, or Destroyed Certificates. The Corporation shall issue a new certificate in place of any certificate for shares previously issued if the registered owner of the certificate:

(a) Claim. Makes proof in affidavit form that a previously issued certificate for shares has been lost, destroyed or stolen;

(b) Timely Request. Requests the issuance of a new certificate before the Corporation has notice that the certificate has been acquired by a purchaser for value in good faith and without notice of an adverse claim;

(c) Bond. Gives a bond in such form, and with such surety or sureties, with fixed or open penalty, as the board of directors may direct, in its discretion, to indemnify the Corporation (and its transfer agent and registrar, if any) against any claim that may be made on account of the alleged loss, destruction or theft of the certificate; and

(d) Other Requirements. Satisfies any other reasonable requirements imposed by the board of directors.

When a certificate has been lost, destroyed or stolen, and the shareholder of record fails to notify the Corporation within a reasonable time after he has notice of it, and the Corporation registers a transfer of the shares represented by the certificate before receiving such notification, the shareholder of record is precluded from making any claim against the Corporation for the transfer or for a new certificate.

7.05 Transfer of Shares. Shares of stock of the Corporation shall be transferable only on the books of the Corporation by the shareholders thereof in person or by their duly authorized attorneys or legal representatives. Upon surrender to the Corporation or the transfer agent of the Corporation of a certificate representing shares duly endorsed or accompanied by proper evidence of succession, assignment or authority to transfer, the Corporation or its transfer agent shall issue a new certificate to the person entitled thereto, cancel the old certificate and record the transaction upon its books.

7.06 Registered Shareholders. The Corporation shall be entitled to treat the shareholder of record as the shareholder in fact of any shares and, accordingly, shall not be bound to recognize any equitable or other claim to or interest in such shares on the part of any other person, whether or not it shall have actual or other notice thereof, except as otherwise provided by law.

7.07 Legends. The board of directors shall cause an appropriate legend to be placed on certificates representing shares of stock as may be deemed necessary or desirable by the board of directors in order for the Corporation to comply with applicable federal or state securities or other laws.

ARTICLE EIGHT: INDEMNIFICATION AND EXCULPATION

8.01 Indemnification With Respect to Actions Other Than Actions By or In The Right of the Corporation. Unless prohibited by law, the Corporation shall defend, indemnify and hold harmless any person who was or is a party or is threatened to be made a party to any threatened, pending or completed action, suit or proceeding whether civil, criminal, administrative or investigative other than an action by or in the right of the Corporation by

reason of the fact that he was a director, officer or member of the Corporation or is or was serving at the request of the Corporation as a director, officer, employee, fiduciary or agent of another corporation, partnership, joint venture, trust or other enterprise against expenses, including attorneys' fees, and against judgments, fines and amounts paid in settlement actually and reasonably incurred by him in connection with such suit, action or proceeding if he acted, or failed to take an action, in good faith and in a manner he reasonably believed to be in or not opposed to the best interests of the Corporation and, with respect to any criminal action or proceeding, had no reasonable cause to believe his conduct was unlawful. The termination of any action, suit or proceeding by judgment, order, settlement or conviction upon a plea of no contest or its equivalent, shall not, of itself, create a presumption that the person acted, or failed to take action, other than in good faith and in a manner which he reasonably believed to be in or not opposed to the best interests of the Corporation, and, with respect to any criminal action or proceeding, that he had reasonable cause to believe that his conduct was unlawful.

8.02 Indemnification of Persons Other Than Officers, Directors and Members With Respect to Actions Other Than Actions By or In The Right of the Corporation. Unless otherwise required or prohibited by law, the Corporation shall have the power and authority, but not the duty or obligation, to defend, indemnify and hold harmless any person other than a director, officer or member of the Corporation who was or is a party to any threatened, pending or completed action, suit or proceeding whether civil, criminal, administrative or investigative other than any action by or in the right of the Corporation, by reason of the fact that he was an employee, committee member or agent of the Corporation or is or was serving at the request of the Corporation as a director, officer, employee, fiduciary or agent of another corporation, partnership, joint venture, trust or other enterprise against expenses, including attorneys' fees, and against judgments, fines and amounts paid in settlement actually and reasonably incurred by him in connection with such suit, action or proceeding if he acted, or failed to take an action, in good faith and in a manner he reasonably believed to be in or not opposed to the best interests of the Corporation and, with respect to any criminal action or proceeding, had no reasonable cause to believe his conduct was unlawful. The termination of any action, suit or proceeding by judgment, order, settlement or conviction upon a plea of no contest or its equivalent, shall not, of itself, create a presumption that the person acted, or failed to take action, other than in good faith and in a manner which he reasonably believed to be in or not opposed to the best interests of the Corporation, and, with respect to any criminal action or proceeding, that he had reasonable cause to believe that his conduct was unlawful.

8.03 Indemnification With Respect to Actions By or In The Right of the Corporation. Unless otherwise required or prohibited by law, the Corporation shall have the power and authority, but not the duty or obligation, to defend, indemnify and hold harmless any person who was or is a party or is threatened to be made a party to any threatened, pending or completed action or suit by or in the right of the Corporation to procure a judgment in its favor by reason of the fact that he is or was a director, officer, member, employee or agent of the Corporation or is or was serving at the request of the Corporation as a director, officer, employee, fiduciary or agent of another Corporation, partnership, joint venture, trust or other enterprise against expenses, including attorneys' fees, but excluding judgments and fines and, except as hereinafter set forth, amounts paid in settlement, actually

and reasonably incurred by him in connection with the defense or settlement of such action or suit if he acted, or failed to take an action, in good faith and in a manner he reasonably believed to be in or not opposed to the best interests of the Corporation and except that no indemnification shall be made in respect of any claim, issue or matter as to which such person shall have been adjudged to be liable to the Corporation unless and only to the extent that the court in which such action or suit was brought shall determine upon application that, despite the adjudication of liability but in view of all circumstances of the case, such person is fairly and reasonably entitled to indemnity for such expenses which such court shall deem proper. The court in which any such action or suit was brought may determine upon application that, in view of all circumstances of the case, indemnify for amounts paid in settlement is proper and may order indemnity for the amounts so paid in settlement and for the expenses, including attorneys' fees, actually and reasonably paid in connection with such application, to the extent the court deems proper.

8.04 Control of Litigation. In any action in which the Corporation has unconditionally acknowledged an obligation to indemnify, or has otherwise determined that it will indemnify, a former or current director, officer, member, employee or agent, the Corporation shall have the right to select counsel who will be responsible for the defense of the action, suit or proceeding against the indemnified party; to control the defense of such suit, action or proceeding; and, except as otherwise provided or prohibited by law, shall have exclusive control over all matters relating to settlement of any such suit, action or proceeding. Notwithstanding the foregoing, any indemnified party shall have the right, at all times, to also be represented by counsel of its own choosing; provided, however, that all attorneys' fees, costs and expenses incurred by, or in connection with the employment or activities of such counsel shall be the sole responsibility of the indemnified party and such fees, costs and expenses shall not be the subject of any claim for indemnity or reimbursement under any provision of Articles Eight of these Bylaws. In the event of any dispute or conflict between the counsel retained by the Corporation and counsel retained by the indemnified party, the judgment of counsel retained by the Corporation shall govern unless the indemnified party agrees, in writing, to release the Corporation from its indemnification obligations.

8.05 Insurance. The Corporation shall have the power and authority, but not the duty or obligation, to purchase and maintain insurance on behalf of, or to insure or cause to be insured, any person who is or was a director, officer, member, employee or agent of the Corporation or is or was serving at the request of the Corporation as a director, officer, employee, fiduciary or agent or another corporation, partnership, joint venture, trust or enterprise against any liability asserted against him and incurred by him in such capacity or arising out of his status as such, whether or not the Corporation has the power or the obligation to indemnify such person against such liability under the provisions of this Article Eight. As used in this Section 8.05, the term "insurance" shall include, but not be limited to, retrospectively rated and fully and partially self-insured programs.

8.06 Indemnification Determination. Any indemnification under Sections 8.01, 8.02, or 8.03, unless ordered by a court, shall be made by the Corporation only as authorized in the specific case upon a determination that indemnification of the director, officer, member, employee or agent is proper in the circumstances because he has met the standard

of conduct set forth in Sections 8.01, 8.02 or 8,03, as applicable, and that all other conditions to indemnification (including, without limitation, a decision by the Corporation to exercise its power to indemnify) have been satisfied. Such determination shall be made by any one of the following:

(a) By the Board of Directors by a majority vote of a quorum consisting of directors who were not parties to such action, suit or proceeding; and

(b) If there are no disinterested directors, by the court or other body before which the action, suit or proceeding was brought or any court of competent jurisdiction upon the approval of an application by any person seeking indemnification, in which case indemnification may include the expenses, including attorneys' fees, actually and reasonably paid in connection with such application.

8.07 Payment of Expenses In Advance. Expenses, including attorneys' fees, incurred in defending a civil or criminal action, suit or proceeding may be paid, in the sole discretion of the Corporation, by the Corporation, in advance of the final disposition of such action, suit or proceeding upon receipt of an undertaking (acceptable to the Corporation by its sole judgment) by or on behalf of the director, officer, member, employee or agent to repay such amount if it is ultimately determined that he is not entitled to be indemnified by the Corporation as authorized in this Article Eight.

8.08 Indemnification Benefits Not Exclusive. The indemnification and other benefits provided by this Article Eight shall not be deemed exclusive of any other rights to which those benefited may be entitled under any bylaw, agreement, vote of members or disinterested directors or otherwise, both as to action in his official capacity and as to action in another capacity while holding such office. The indemnification and other benefits provided in this Article Eight, unless otherwise provided when authorized or ratified, shall continue as to any person who has ceased to be a director, officer, member, employee or agent and shall inure to the benefit of the heirs, executors and administrators of such person.

ARTICLE NINE: MISCELLANEOUS PROVISIONS

9.01 Dividends. Subject to provisions of the statutes and the articles of incorporation, dividends may be declared by the board of directors at any meeting and may be paid in cash, in property, or in shares of stock of the Corporation. Such declaration and payment shall be at the discretion of the board of directors.

9.02 Reserves. The board of directors may create out of funds of the Corporation legally available therefor such reserve or reserves as the board of directors from time to time, in its discretion, considers proper to provide for contingencies, to equalize dividends or to repair or maintain any property of the Corporation, or for such other purpose as the board of directors shall consider beneficial to the Corporation. The board of directors may modify or abolish any such reserve.

9.03 Books and Records. The Corporation shall keep correct and complete books and records of account, shall keep minutes of the proceedings of its shareholders, board of

directors, and any committee and shall keep at its registered office or principal place of business, or at the office of its transfer agent or registrar, a record of its shareholders, giving the names and addresses of all shareholders and the number and class of the shares held by each shareholder.

9.04 Fiscal Year. The fiscal year of the Corporation shall be fixed by the board of directors; provided, that if such fiscal year is not fixed by the board of directors it shall be the calendar year.

9.05 Seal. The seal of the Corporation shall be such as from time to time may be approved by the board of directors.

9.06 Resignation. A director, committee member, officer or agent may resign by so stating at any meeting of the board of directors or by giving written notice to the board of directors, the president or the secretary. Such resignation shall take effect at the time specified therein, or immediately if no time is specified. Unless it specifies otherwise, a resignation is effective without being accepted.

9.07 Securities of Other Corporations. The president or any vice president of the Corporation shall have the power and authority to transfer, endorse for transfer, vote, consent or take any other action with respect to any securities of another issuer which may be held or owned by the Corporation and to make, execute and deliver any waiver, proxy or consent with respect to any such securities.

9.08 Amendment. The power and authority to alter, amend or repeal these bylaws or to adopt new bylaws are concurrently vested in the board of directors and the shareholders, subject to the right of the shareholders to repeal the authority of the board of directors to alter, amend or repeal these bylaws or to adopt new bylaws.

9.09 Invalid Provisions. If any part of these bylaws shall be held invalid or inoperative for any reason, the remaining parts, so far as it is possible and reasonable, shall remain valid and operative.

9.10 Headings. The headings used in these bylaws are for convenience only and do not constitute matter to be construed in the interpretation of these bylaws.

The undersigned, the secretary of the Corporation, hereby certifies that the foregoing Bylaws were adopted by the Board of Directors of the Corporation as of the 26th day of April, 2004.

F. Francis Najafi, President

ATTEST:

Karl Polen, Vice President

Revised June 29, 2004
June 21, 2004
WP #042127.02.R1M

See Exhibit "A"

PARCEL DESCRIPTION

Attachment B-1 Parcel 2
Woodruff Water Company & Woodruff Utility Company

A parcel of land lying within Section 25, Township 5 South, Range 7 East, of the Gila and Salt River Meridian, Pinal County, Arizona, more particularly described as follows:

Commencing at the northeast corner of said Section 25, a 1/2" iron rod in handhole, from which the north quarter corner of said section, a G.L.O. brass cap, bears North 89°37'03" West (basis of bearing), a distance of 5166.18 feet, said point being the **POINT OF BEGINNING;**
THENCE along the east line of said Section 25, South 00°14'41" East, a distance of 2644.19 feet;
THENCE leaving said east line, North 89°38'34" West, a distance of 609.06 feet;
THENCE North 00°04'16" West, a distance of 2644.39 feet, to said north line;
THENCE along said north line, South 89°37'03" East, a distance of 601.05 feet, to the **POINT OF BEGINNING.**

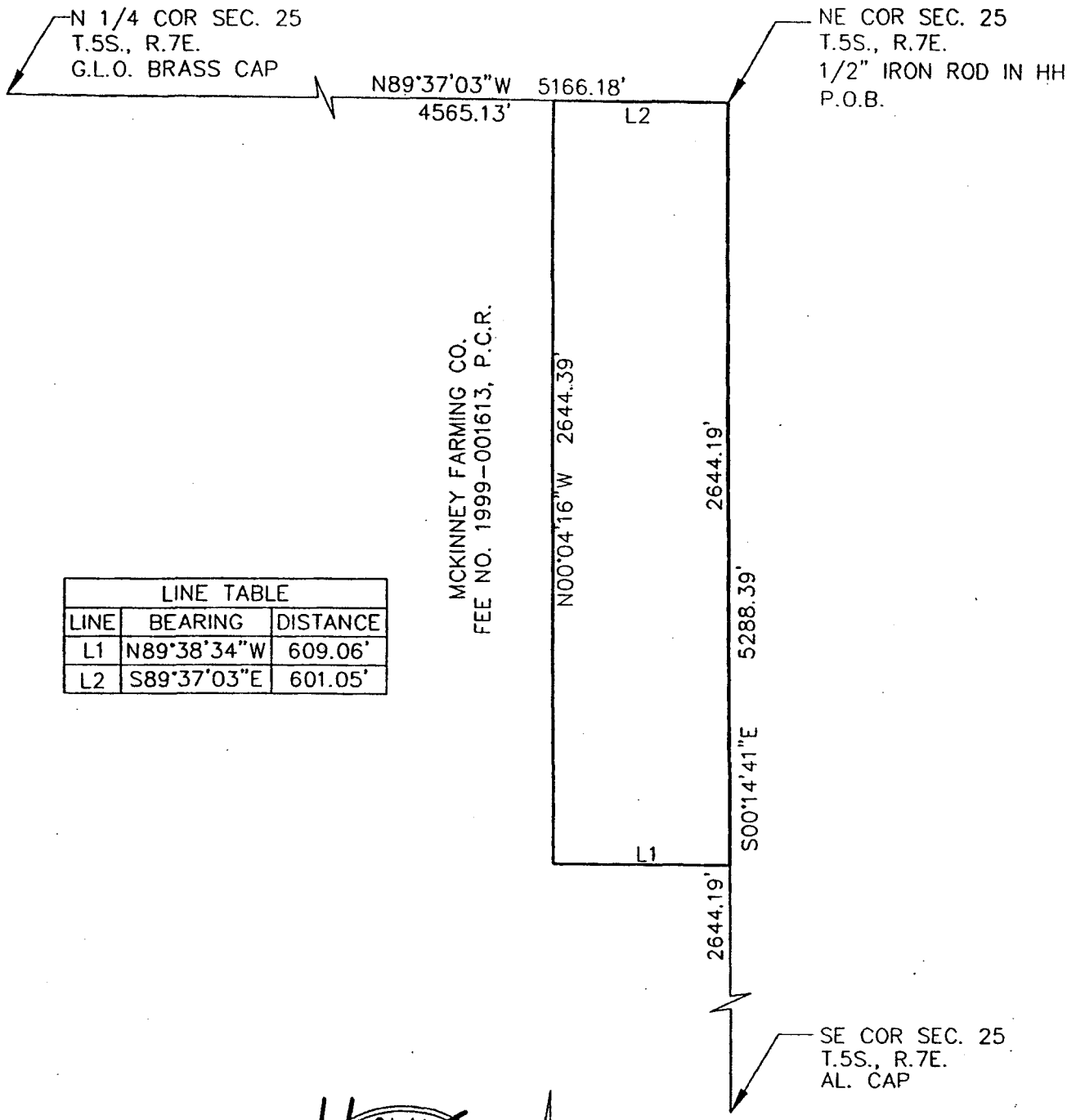
Containing 36.7279 acres, or 1,599,866 square feet of land, more or less.

Subject to existing rights-of-way and easements.

This parcel description was prepared without the benefit of survey field work and is based on the unrecorded ALTA/ACSM Land Title Survey prepared by WRG Design, Inc., dated January 3, 2004, job number 4033774.00 and other client provided information. Any monumentation noted in this parcel description is based on said ALTA Survey.

Y:\Parcel Descriptions\042127.02.R1M Sandia Proposed Outparcel 2.doc

REGISTERED LAND SURVEYOR
CERTIFICATE NO.
35832
KARL LAWRENCE
PEARSON
Date Signed 06/29/04
ARIZONA U.S.A.



LINE TABLE		
LINE	BEARING	DISTANCE
L1	N89°38'34"W	609.06'
L2	S89°37'03"E	601.05'

REGISTERED LAND SURVEYOR
CERTIFICATE NO.
35832
KARL LAWRENCE
PEARSON
Date Signed 06-24-04
ARIZONA, U.S.A.

EXHIBIT "A"

Attachment B-1 Parcel 2
Woodruff Water Company & Woodruff Utility Company

WP#042127.02.R1M
PAGE 2 OF 2
NOT TO SCALE
T:\2004\042127\LEGAL\2127L04-DB\DWG\2127L04.DWG

WOOD/PATEL
1855 N. Stapley Drive
Mesa, AZ 85203
Phone: (480) 834-3300
Fax: (480) 834-3320

COPY

RECEIVED

2004 SEP 27 P 4:40

AZ CORP COMMISSION
DOCUMENT CONTROL

Arizona Corporation Commission
DOCKETED

SEP 27 2004

DOCKETED BY CAR

FENNEMORE CRAIG
A Professional Corporation
Norman D. James (No. 006901)
Jay L. Shapiro (No. 014650)
3003 North Central Avenue
Suite 2600
Phoenix, Arizona 85012
Telephone (602) 916-5000

Attorneys for Woodruff Water Company, Inc

BEFORE THE ARIZONA CORPORATION COMMISSION

IN THE MATTER OF THE APPLICATION OF WOODRUFF WATER COMPANY, INC. FOR A CERTIFICATE OF CONVENIENCE AND NECESSITY TO PROVIDE WATER SERVICE	DOCKET NO. W-04264A-04-0438
IN THE MATTER OF THE APPLICATION OF WOODRUFF UTILITY COMPANY, INC. FOR A CERTIFICATE OF CONVENIENCE AND NECESSITY TO PROVIDE SEWER SERVICE	DOCKET NO. SW-04265A-04-0439 **NOTICE OF SUPPLEMENTAL FILING**

Woodruff Water Company, Inc. ("the Company") hereby provides notice of supplemental filing to the Company's June 12, 2004 application for a certificate of convenience and necessity. Attached hereto as Exhibit 1 is a letter from the Office of the Pinal County Attorney and the fully executed Acceptance of Franchise forms for water and wastewater lines for Grantee, Woodruff Utility Company, dated September 20, 2004.

DATED this 27th day of September, 2004.

FENNEMORE CRAIG, P.C.

By: _____
Norman D. James
Jay L. Shapiro
Attorneys for Woodruff Water Company, Inc.

WWC-4
Admitted

ORIGINAL and 15 copies delivered this
27 day of September, 2004, to:

Docket Control
Arizona Corporation Commission
1200 West Washington Street
Phoenix, Arizona 85007

A copy hand-delivered this day to:

Jim Fisher, Executive Consultant
Utilities Division
Arizona Corporation Commission
1200 West Washington
Phoenix, Arizona 85007

By: Jeannie Rubbone
1589156/75063.029

EXHIBIT 1

SEP 1 5 2004

Office of the Pinal County Attorney

CIVIL DIVISION
Administration Building #2
Post Office Box 887
Florence, Arizona 85232

ROBERT CARTER OLSON
Pinal County Attorney

WILLIAM H. McLEAN
Chief Civil Deputy

TELEPHONE
Main Line: (520) 866-6269
FAX: (520) 866-6521
TDD: (520) 866-6379

September 14, 2004

Woodruff Utility Company
2555 E. Camelback Road, Suite 700
Phoenix, AZ 85016

Re: Acceptance of Franchise

Enclosed please find two Acceptance of Franchise forms to be signed. Once they have been signed, please return them in the enclosed return envelope.

Thank you for your prompt attention in this matter.

Sincerely,

ROBERT CARTER OLSON
PINAL COUNTY ATTORNEY

Rick Husk
Deputy County Attorney

RVH:lmp

Enclosure

Exhibit B

ACCEPTANCE OF FRANCHISE

To: Board of Supervisors Pinal County, Arizona

Grantee, Woodruff Utility Company, an Arizona Corporation, does hereby accept the August 25, 2004, grant of a new public utility franchise from Pinal County, Arizona, (hereinafter "Franchise"), to construct, operate, and maintain wastewater lines and related fixtures along, under and across present and future public streets, alleys and highways, except state highways, within the unincorporated area of Pinal County, Arizona, as stated in its application for a new public utility franchise.

Grantee unconditionally accepts the Franchise and covenants to faithfully comply with, abide by, to observe and perform all the provisions, terms and conditions of the Franchise. Grantee accepts such provisions, terms and conditions and expressly waives any and all objections to the reasonableness or legality of any provisions of the same or any part thereof, or as to the legal right or authority of Pinal County to impose the same.

Grantee declares that the statements and recitals in this Franchise are correct, and Grantee declares it has made and does make the agreement, statements and admissions in this Franchise recited to have been or to be made by Grantee.

Dated this 20th day of September, 2004.

Woodruff Utility Company

By: Karl Polen

Title: Vice President

STATE OF ARIZONA)
) ss.
County of Maricopa)

The foregoing instrument was acknowledged before me this 20th day of Sept., 2004, by KARL POLEN, VICE PRES. of Woodruff Utility Company, an Arizona Corporation, and being authorized to do so, executed the foregoing instrument on behalf of the company for the purposes therein stated.

Sharon K. Riley
Notary Public

Notary Public State of Arizona
Maricopa County
Sharon Kay Riley
Expires October 19, 2007

My Commission Expires:
10/19/2007

i:\attycivl\franchis\Woodruff Utility Wastewater Franchise

Exhibit B

ACCEPTANCE OF FRANCHISE

To: Board of Supervisors Pinal County, Arizona

Grantee, Woodruff Water Company, an Arizona Corporation, does hereby accept the August 25, 2004, grant of a new public utility franchise from Pinal County, Arizona, (hereinafter "Franchise"), to construct, operate, and maintain water lines and related fixtures along, under and across present and future public streets, alleys and highways, except state highways, within the unincorporated area of Pinal County, Arizona, as stated in its application for a new public utility franchise.

Grantee unconditionally accepts the Franchise and covenants to faithfully comply with, abide by, to observe and perform all the provisions, terms and conditions of the Franchise. Grantee accepts such provisions, terms and conditions and expressly waives any and all objections to the reasonableness or legality of any provisions of the same or any part thereof, or as to the legal right or authority of Pinal County to impose the same.

Grantee declares that the statements and recitals in this Franchise are correct, and Grantee declares it has made and does make the agreement, statements and admissions in this Franchise recited to have been or to be made by Grantee.

Dated this 20th day of September, 2004.

Woodruff Water Company

By: _____

Title: Vice President

STATE OF ARIZONA)
) ss.
County of Maricopa)

The foregoing instrument was acknowledged before me this 20th day of Sept., 2004, by KARL POLEN, VICE PRES. of Woodruff Utility Company, an Arizona Corporation, and being authorized to do so, executed the foregoing instrument on behalf of the company for the purposes therein stated.

Sharon K. Riley
Notary Public

Notary Public State of Arizona
Maricopa County
Sharon Kay Riley
Expires October 19, 2007

My Commission Expires:
10/19/2007

i:\attycivl\franchis\Woodruff Water Franchise

BEFORE THE ARIZONA CORPORATION COMMISSION

RECEIVED

2005 FEB 15 P 4: 31

AZ CORP COMMISSION
DOCUMENT CONTROL

COMMISSIONERS

MARC SPITZER, Chairman
WILLIAM A. MUNDELL
JEFF HATCH-MILLER
MIKE GLEASON
KRISTIN K. MAYES

IN THE MATTER OF THE APPLICATION OF WOODRUFF WATER COMPANY, INC., FOR A CERTIFICATE OF CONVENIENCE AND NECESSITY TO PROVIDE WATER SERVICE IN PINAL COUNTY, ARIZONA	DOCKET NO. W-04264A-04-0438
IN THE MATTER OF THE APPLICATION OF WOODRUFF UTILITY COMPANY, INC., FOR A CERTIFICATE OF CONVENIENCE AND NECESSITY TO PROVIDE SEWER SERVICE IN PINAL COUNTY, ARIZONA	DOCKET NOS. W-04265A-04-0439
IN THE MATTER OF THE APPLICATION OF ARIZONA WATER COMPANY, AN ARIZONA CORPORATION, TO EXTEND ITS EXISTING CERTIFICATES OF CONVENIENCE AND NECESSITY AT CASA GRANDE AND COOLIDGE, PINAL COUNTY, ARIZONA.	DOCKET NO. W-01445A-04-0755 **NOTICE OF FILING AFFIDAVIT OF PUBLICATION**

In accordance with the Procedural Order dated January 31, 2005, in the above-referenced dockets, Woodruff Water Company and Woodruff Utility Company, Inc., published notice of the above-captioned application and the hearing to be held regarding the same in *The Arizona Republic* on February 14, 2005. An Affidavit of Publication from *The Arizona Republic* is attached hereto.

. . . .

. . . .

. . . .

. . . .

LAW OFFICES LLP.
One Arizona Center, 400 E. Van Buren
Phoenix, Arizona 85004-2202
(602) 382-6000

47314.0001\Crockej\PHX\1605636

WWC-5
Admittal

RESPECTFULLY SUBMITTED this 15th day of February, 2005.

SNELL & WILMER

Jeffrey W. Crockett, Esq.
One Arizona Center
400 East Van Buren
Phoenix, Arizona 85004-2202
Attorneys for Woodruff Water Company, Inc. and Woodruff Utility Company, Inc.

ORIGINAL and thirteen (13) copies filed with Docket Control this 15th day of February, 2005.

A COPY of the foregoing was hand-delivered this 15th day of February, 2004, to:

Marc Stern, Administrative Law Judge
Hearing Division
ARIZONA CORPORATION COMMISSION
1200 West Washington
Phoenix, Arizona 85007

Timothy J. Sabo, Staff Attorney
Legal Division
ARIZONA CORPORATION COMMISSION
1200 West Washington
Phoenix, Arizona 85007

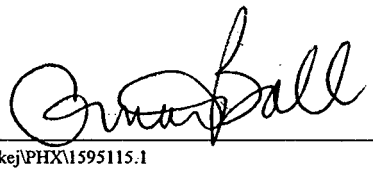
Ernest Johnson, Director
Utilities Division
ARIZONA CORPORATION COMMISSION
1200 West Washington
Phoenix, Arizona 85007

LLP.
LAW OFFICES
One Arizona Center, 400 E. Van Buren
Phoenix, Arizona 85004-2202
(602) 382-6000

A COPY of the foregoing mailed
this 15th day of February, 2005, to:

Robert W. Geake
Vice President and General Counsel
ARIZONA WATER COMPANY
P.O. Box 29006
Phoenix, Arizona 85038-9006

Steven A. Hirsch
BRYAN CAVE LLP
Two North Central Avenue, Suite 2200
Phoenix, Arizona 85004-4406



Crockej\PHX\1595115.1

L.L.P.
LAW OFFICES
One Arizona Center, 400 E. Van Buren
Phoenix, Arizona 85004-2202
(602) 382-6000

PUBLIC NOTICE OF THE HEARING FOR WOODRUFF WATER COMPANY AND WOODRUFF UTILITY COMPANY FOR A CERTIFICATE OF CONVENIENCE AND NECESSITY (DOCKET NOS. W-04264A-04-0438 AND SW-04265A-04-0439 AND W-01445A-04-0755)

On June 10, 2004, Woodruff Water Company ("WWC") and Woodruff Utility Company ("WUC") each filed an application for a Certificate of Convenience and Necessity to provide public water and wastewater utility service, respectively, to various parts of Pinal County, Arizona.

On October 19, 2004, Arizona Water Company ("AWC") filed an application to extends its Certificate(s) to include the area in which WWC is seeking a Certificate to provide water service, and also for additional areas in Pinal County, Arizona.

The applications are available for inspection during regular business hours at the Commission's offices at 1200 West Washington Street, Phoenix, Arizona 85007; the offices of Woodruff Utility Company, Inc., 2555 East Camelback Road, Suite 700, Phoenix, Arizona 85016; and at the offices of Arizona Water Company, 3805 North Black Canyon Highway, Phoenix, Arizona 85015.

The Commission will hold a hearing in this matter commencing on April 20, 2005, at 9:30 a.m., at the Commission's offices, 1200 West Washington Street, Phoenix, Arizona. Public comments will be taken on the first day of the hearing. Public comments will be taken on the first day of the hearing.

The law provides for an open public hearing at which, under appropriate circumstances, interested parties may intervene. Intervention shall be permitted to any person entitled by law to intervene and having a direct and substantial interest in this matter. Persons desiring to intervene must file a written notice to intervene with the Commission, which motion should be sent to the Applicants or their counsel and to all parties of record, and which, at a minimum, shall contain the following:

1. The name, addresses and telephone number of the proposed intervenor and of any party upon whom service of documents is to be made if different than the intervenor.
2. A short statement of the proposed intervenor's interest in the proceeding (e.g., a customer of the Applicant, a shareholder or member of the Applicant, etc.)
3. A statement certifying that a copy of the motion to intervene has been mailed to the Company or its counsel and to all parties of record in the case.

The granting of motions to intervene shall be governed by A.A.C. R14-3-105, except that all motions to intervene must be filed on or before March 10, 2005. The granting of intervention, among other things, entitles a party to present sworn evidence at hearing and to cross-examine other witnesses. However, failure to intervene will not preclude any customer from appearing at the hearing and making a statement on such customer's own behalf.

If you have any questions or concerns about this Application or have any objections to its approval, or wish to make a statement in support of it, you may write the Consumer Services Section of the Commission at 1200 West Washington Street, Phoenix, Arizona 85007 or call 1-800-222-7000 or appear at the hearing and make comment.

The Commission does not discriminate on the basis of disability in admission to its public meetings. Persons with a disability may request reasonable accommodation such as a sign language interpreter, as well as request this document in an alternative format, by contacting Linda Hogan, ADA Coordinator, voice phone number 602/542-3931, E-mail lhogan@cc.state.az.us. Requests should be made as early as possible to allow time to arrange the accommodation.

05076-February 14, 2005

AFFIDAVIT OF PUBLICATION

THE ARIZONA REPUBLIC

STATE OF ARIZONA
COUNTY OF MARICOPA } SS.

Tabitha Antoniadis, being first duly sworn, upon oath deposes and says: That she is a legal advertising representative of the Arizona Business Gazette, a newspaper of general circulation in the county of Maricopa, State of Arizona, published at Phoenix, Arizona, by Phoenix Newspapers Inc., which also publishes The Arizona Republic, and that the copy hereto attached is a true copy of the advertisement published in the said paper on the dates as indicated.

The Arizona Republic

February 14, 2005

Sworn to before me this
14TH day of
February A.D. 2005

OFFICIAL SEAL
MARILYN GREENWOOD
NOTARY PUBLIC-ARIZONA
MARICOPA COUNTY
My Comm. Expires May 23, 2007

Notary Public

Sundance Farms
3227 W. Bechtel Rd.
Coolidge, AZ 85228

August 27, 2004

Mr. Karl Polen
Vice President
Woodruff Utility Company
2555 E. Camelback Rd., Suite 700
Phoenix, AZ 85016

Dear Mr. Polen:

On behalf of Sundance Farms, we hereby request that Woodruff Water Company and Woodruff Utility Company (collectively "Woodruff") provide water and sewer service to our real property located in an unincorporated portion of Pinal County, Arizona. The property is shown in the attachment to this letter.

We understand that the provision of water and wastewater utility service by Woodruff will be subject to the rules and regulations of the Arizona Corporation Commission and that Woodruff must first obtain an order from Commission granting a certificate of convenience and necessity. We further understand that other governmental agencies, including the Arizona Department of Environmental Quality and Pinal County, may exercise jurisdiction over certain aspects of Woodruff's provision of utility services to our property.

Please let me know if you have questions, need further information or if I can be of any assistance in Woodruff's efforts to obtain the necessary approvals.

Sincerely,

Howard Wuertz

1579518.1

WWC-6
Admitted

Howard and Jewell Wuertz
3261 W. Bechtel Rd.
Coolidge, AZ 85228

August 27, 2004

Mr. Karl Polen
Vice President
Woodruff Utility Company
2555 E. Camelback Rd., Suite 700
Phoenix, AZ 85016

Dear Mr. Polen:

On behalf of ourselves, we hereby request that Woodruff Water Company and Woodruff Utility Company (collectively "Woodruff") provide water and sewer service to our real property located in an unincorporated portion of Pinal County, Arizona. The property is shown in the attachment to this letter.

We understand that the provision of water and wastewater utility service by Woodruff will be subject to the rules and regulations of the Arizona Corporation Commission and that Woodruff must first obtain an order from Commission granting a certificate of convenience and necessity. We further understand that other governmental agencies, including the Arizona Department of Environmental Quality and Pinal County, may exercise jurisdiction over certain aspects of Woodruff's provision of utility services to our property.

Please let me know if you have questions, need further information or if I can be of any assistance in Woodruff's efforts to obtain the necessary approvals.

Sincerely,

Howard and Jewell Wuertz

1579518.1

Wuertz Farming Ltd.
3227 W. Bechtel Rd.
Coolidge, AZ 85228

August 27, 2004

Mr. Karl Polen
Vice President
Woodruff Utility Company
2555 E. Camelback Rd., Suite 700
Phoenix, AZ 85016

Dear Mr. Polen:

On behalf of Wuertz Farming Ltd., we hereby request that Woodruff Water Company and Woodruff Utility Company (collectively "Woodruff") provide water and sewer service to our real property located in an unincorporated portion of Pinal County, Arizona. The property is shown in the attachment to this letter.

We understand that the provision of water and wastewater utility service by Woodruff will be subject to the rules and regulations of the Arizona Corporation Commission and that Woodruff must first obtain an order from Commission granting a certificate of convenience and necessity. We further understand that other governmental agencies, including the Arizona Department of Environmental Quality and Pinal County, may exercise jurisdiction over certain aspects of Woodruff's provision of utility services to our property.

Please let me know if you have questions, need further information or if I can be of any assistance in Woodruff's efforts to obtain the necessary approvals.

Sincerely,

David Wuertz

1579518.1

Wildcat Farms
3227 W. Bechtel Rd.
Coolidge, AZ 85228

August 27, 2004

Mr. Karl Polen
Vice President
Woodruff Utility Company
2555 E. Camelback Rd., Suite 700
Phoenix, AZ 85016

Dear Mr. Polen:

On behalf of Wildcat Farms, we hereby request that Woodruff Water Company and Woodruff Utility Company (collectively "Woodruff") provide water and sewer service to our real property located in an unincorporated portion of Pinal County, Arizona. The property is shown in the attachment to this letter.

We understand that the provision of water and wastewater utility service by Woodruff will be subject to the rules and regulations of the Arizona Corporation Commission and that Woodruff must first obtain an order from Commission granting a certificate of convenience and necessity. We further understand that other governmental agencies, including the Arizona Department of Environmental Quality and Pinal County, may exercise jurisdiction over certain aspects of Woodruff's provision of utility services to our property.

Please let me know if you have questions, need further information or if I can be of any assistance in Woodruff's efforts to obtain the necessary approvals.

Sincerely,

David A. Wuertz

1579518.1

David Wuertz
3906 Sunshine Blvd.
Casa Grande, AZ 85222

August 27, 2004

Mr. Karl Polen
Vice President
Woodruff Utility Company
2555 E. Camelback Rd., Suite 700
Phoenix, AZ 85016

Dear Mr. Polen:

On behalf of myself, David Wuertz, I hereby request that Woodruff Water Company and Woodruff Utility Company (collectively "Woodruff") provide water and sewer service to my real property located in an unincorporated portion of Pinal County, Arizona. The property is shown in the attachment to this letter.

I understand that the provision of water and wastewater utility service by Woodruff will be subject to the rules and regulations of the Arizona Corporation Commission and that Woodruff must first obtain an order from Commission granting a certificate of convenience and necessity. I further understand that other governmental agencies, including the Arizona Department of Environmental Quality and Pinal County, may exercise jurisdiction over certain aspects of Woodruff's provision of utility services to my property.

Please let me know if you have questions, need further information or if I can be of any assistance in Woodruff's efforts to obtain the necessary approvals.

Sincerely,

David Wuertz

1379518.1

Sarah Wuertz
934 W. Culver
Phoenix, AZ 85007

August 27, 2004

Mr. Karl Polen
Vice President
Woodruff Utility Company
2555 E. Camelback Rd., Suite 700
Phoenix, AZ 85016

Dear Mr. Polen:

On behalf of myself, Sarah Wuertz, I hereby request that Woodruff Water Company and Woodruff Utility Company (collectively "Woodruff") provide water and sewer service to my real property located in an unincorporated portion of Pinal County, Arizona. The property is shown in the attachment to this letter.

I understand that the provision of water and wastewater utility service by Woodruff will be subject to the rules and regulations of the Arizona Corporation Commission and that Woodruff must first obtain an order from Commission granting a certificate of convenience and necessity. I further understand that other governmental agencies, including the Arizona Department of Environmental Quality and Pinal County, may exercise jurisdiction over certain aspects of Woodruff's provision of utility services to my property.

Please let me know if you have questions, need further information or if I can be of any assistance in Woodruff's efforts to obtain the necessary approvals.

Sincerely,

Sarah Wuertz

Sarah Wuertz

1579518.1

Carol Wuertz Behrens
3451 S. Vine Street
Chandler, AZ 85248

August 27, 2004

Mr. Karl Polen
Vice President
Woodruff Utility Company
2555 E. Camelback Rd., Suite 700
Phoenix, AZ 85016

Dear Mr. Polen:

On behalf of myself, Carol Wuertz Behrens, formerly Carol Wuertz Blackwell, I hereby request that Woodruff Water Company and Woodruff Utility Company (collectively "Woodruff") provide water and sewer service to my real property located in an unincorporated portion of Pinal County, Arizona. The property is shown in the attachment to this letter.

I understand that the provision of water and wastewater utility service by Woodruff will be subject to the rules and regulations of the Arizona Corporation Commission and that Woodruff must first obtain an order from Commission granting a certificate of convenience and necessity. I further understand that other governmental agencies, including the Arizona Department of Environmental Quality and Pinal County, may exercise jurisdiction over certain aspects of Woodruff's provision of utility services to my property.

Please let me know if you have questions, need further information or if I can be of any assistance in Woodruff's efforts to obtain the necessary approvals.

Sincerely,

Carol Wuertz Behrens

1579518.1

McKinney Farming
3227 W. Bechtel Rd.
Coolidge, AZ 85228

August 27, 2004

Mr. Karl Polen
Vice President
Woodruff Utility Company
2555 E. Camelback Rd., Suite 700
Phoenix, AZ 85016

Dear Mr. Polen:

On behalf of McKinney Farming, we hereby request that Woodruff Water Company and Woodruff Utility Company (collectively "Woodruff") provide water and sewer service to our real property located in an unincorporated portion of Pinal County, Arizona. The property is shown in the attachment to this letter.

We understand that the provision of water and wastewater utility service by Woodruff will be subject to the rules and regulations of the Arizona Corporation Commission and that Woodruff must first obtain an order from Commission granting a certificate of convenience and necessity. We further understand that other governmental agencies, including the Arizona Department of Environmental Quality and Pinal County, may exercise jurisdiction over certain aspects of Woodruff's provision of utility services to our property.

Please let me know if you have questions, need further information or if I can be of any assistance in Woodruff's efforts to obtain the necessary approvals.

Sincerely,

Carol Wuertz Behrens

1579518.1

Gregory Wuertz
3422 N. Vail Rd.
Coolidge, AZ 85228

August 27, 2004

Mr. Karl Polen
Vice President
Woodruff Utility Company
2555 E. Camelback Rd., Suite 700
Phoenix, AZ 85016

Dear Mr. Polen:

On behalf of myself, Gregory Wuertz, I hereby request that Woodruff Water Company and Woodruff Utility Company (collectively "Woodruff") provide water and sewer service to my real property located in an unincorporated portion of Pinal County, Arizona. The property is shown in the attachment to this letter.

I understand that the provision of water and wastewater utility service by Woodruff will be subject to the rules and regulations of the Arizona Corporation Commission and that Woodruff must first obtain an order from Commission granting a certificate of convenience and necessity. I further understand that other governmental agencies, including the Arizona Department of Environmental Quality and Pinal County, may exercise jurisdiction over certain aspects of Woodruff's provision of utility services to my property.

Please let me know if you have questions, need further information or if I can be of any assistance in Woodruff's efforts to obtain the necessary approvals.

Sincerely,

Gregory Wuertz

Gregory Wuertz

1579518.1

PIVOTAL
GROUP

April 20, 2004

Arizona Department of Water Resources
P.O. Box 458
Phoenix, AZ 85001-0458

Re: Application for Development Plan Approval to Retire an Irrigation Grandfathered Right for a Non-Irrigation (Type-1) Use.

To Whom It May Concern:

Attached with this cover letter is the referenced application for development plan approval concerning retirement of an irrigation grandfathered right for a portion of certificate #102332.0001.

The following documents are attached in support of this application.

1. Proposed development plan pages 1-4.
2. Location map of irrigation grandfather right 102332.0001.
3. Legal description of land to be retired from irrigation and map prepared by Richard Stockman, dated March 3, 2004.
4. Copy of well registration #55-621828, which was a well used to irrigate the land, 4 pages.
5. Annual Withdrawal and Use Report - Groundwater Summary 2002 indicating Howard A. Wuertz as owner of groundwater right; received by Records Management on March 31, 2003, 5 pages.
6. Evidence of land ownership covered by certificate of irrigation grandfathered right, 8 pages, received from owner's attorney, Michael Mulchay, April 14, 2004.
7. Appointment of agent document authorizing Karl Polen of Pivotal Group to sign the application on behalf of owner.

We trust that this application is complete, however if there are any questions or additional information that is required, please contact the undersigned at 602-956-7200.

Regards,

Russ Shasky
Senior Vice President, Land Development

Enclosures

The Esplanade • Suite 700
2555 East Camelback Road
Phoenix, Arizona 85016
(602) 956-7200 • FAX (602) 956-2313
pivotalgroup.com

WWC-7
Admitted

ARIZONA DEPARTMENT OF WATER RESOURCES
P. O. Box 458, Phoenix, Arizona 85001-0458
500 North Third Street, Phoenix, Arizona 85004-3903

APPLICATION FOR DEVELOPMENT PLAN APPROVAL TO RETIRE AN IRRIGATION GRANDFATHERED RIGHT FOR A NON-IRRIGATION (TYPE I) USE

Filing Fee: No Charge

Certificate No. 102332.0001
Certified Acres 639.00

1. WUERTZ HOWARD A.
Last Name First Middle Initial

Last Name First Middle Initial

3227 W. BECHTEL RD., COOLIDGE, AZ 85228
Mailing Address City State Zip

2. Active Management Area PINAL AMA

3. Attach a copy of the proposed development plan.

4. Legal description of land covered by certificate of irrigation grandfathered right:
A PARCEL OF LAND LOCATED IN THE W 1/2 OF THE SW 1/4 OF SECTION 13, THE S 1/2 OF SECTION 14, THE N 1/2 OF SECTION 23 AND THE NW 1/4 OF SECTION 14, TOWNSHIP 5 SOUTH, RANGE 7 EAST, OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, AZ.

5. Legal description of land to be retired from irrigation **(attach map)**.
A PARCEL OF LAND LOCATED IN THE SE QUARTER OF SECTION 14 AND THE NE QUARTER OF SECTION 23, TOWNSHIP 5 S, RANGE 7 EAST MORE PARTICULARLY DESCRIBED ON ATTACHED EXHIBIT

6. Total number of acres to be retired 4.815

7. Describe the location of each well which was used to irrigate the land.
SE SW SE, Section 14 Township 5S Range 7E Reg. No. 55-621828
___ ___ ___, Section___ Township___ Range___ Reg. No. 55-_____

8. When was the land last irrigated? MARCH 2004

9. Has the land been held under the same ownership since it was last irrigated? ✓ Yes ___No
If no, did the applicant purchase the land from the last irrigator? ___Yes ___No
Enclose copy of deed or other evidence to show date of purchase.

10. Has the land been sold or taken out of production primarily because it would have been uneconomical to continue to withdraw for irrigation? ___Yes ✓ No
If "No", explain why the land was retired. LAND WAS RETIRED TO INITIATE FORMATION OF THE WOODRUFF WATER COMPANY

11. The intended use of the water is: ___Expanded animal industry ✓ Domestic
___Industrial ___Electrical Energy Generation ___Mining ___Other

12. Is the land to be retired within the exterior boundaries of a service area of a city, town or private water company? ___Yes ✓ No
If "Yes", indicate name of city, town or private water company_____

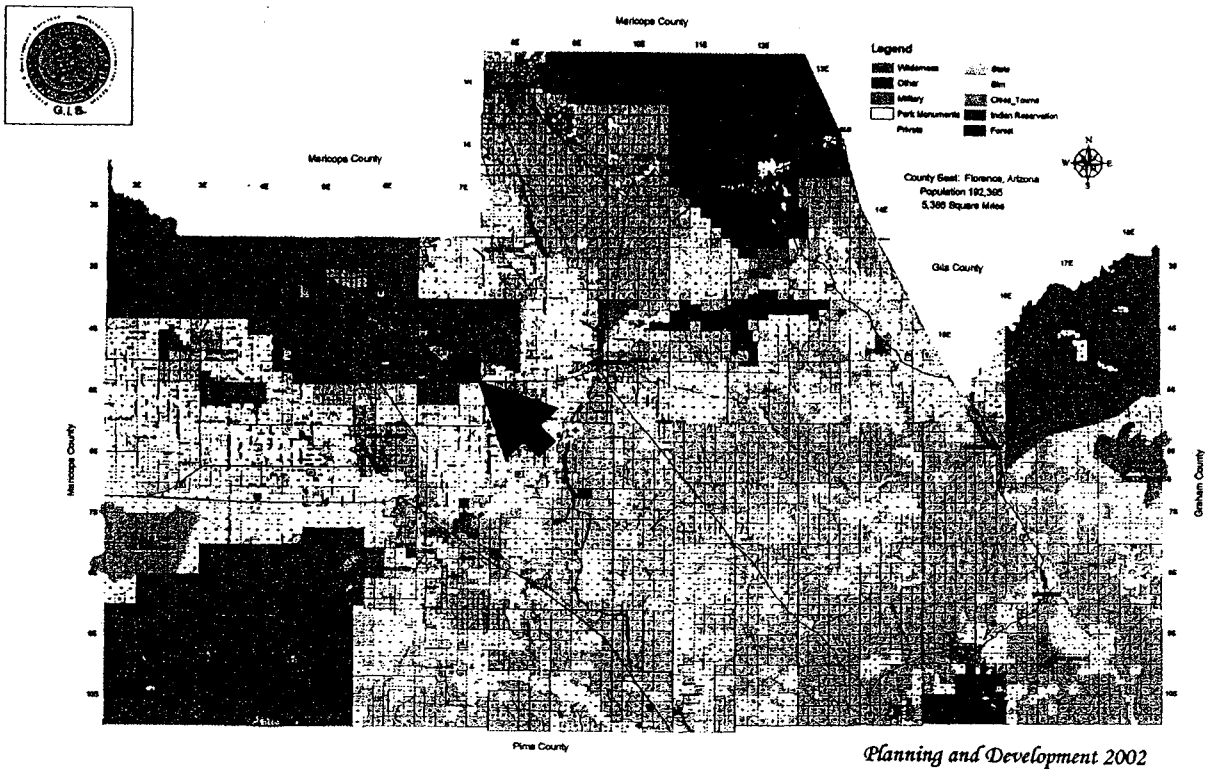
SIGNATURE KPolen DATE 4/15/2004
KARL POLEN

Development Plan

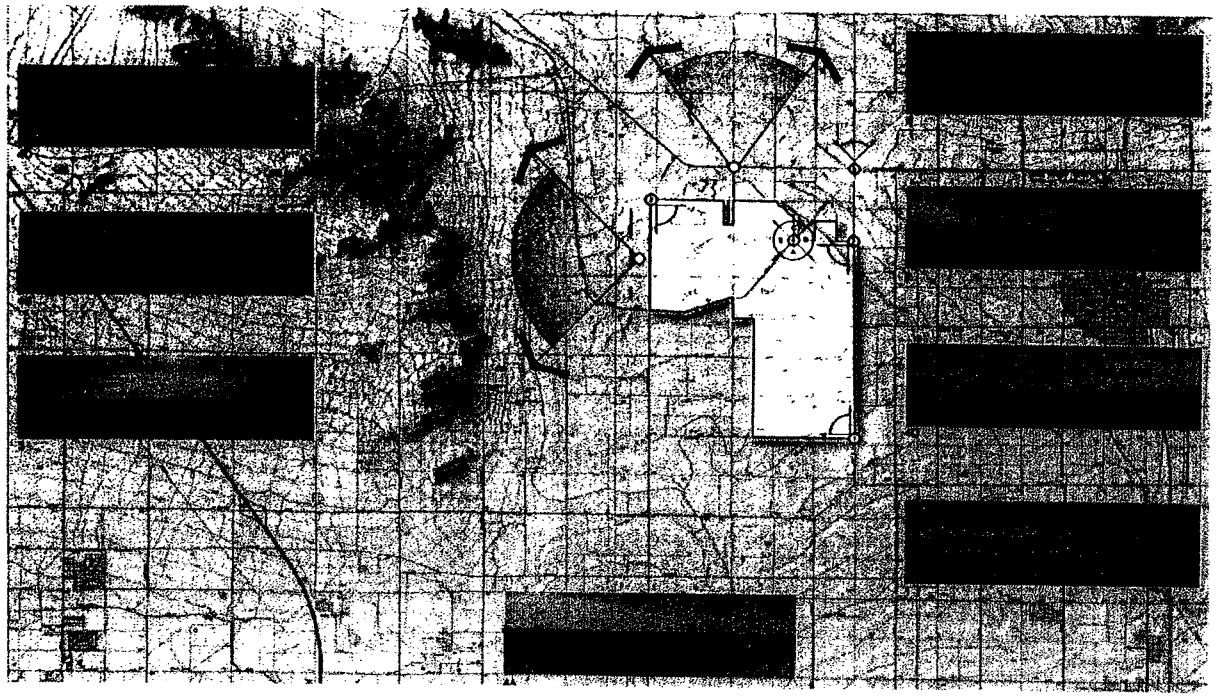
The project comprises 3,180 acres within the County of Pinal. The site is currently undeveloped farmland located at Signal Peak Road and Arizona Highway 87. The project will accommodate up to 12,000 dwelling units.

Property Location:	East side of Signal Peak Road, extending from Highway 87 to Woodruff Road. The property benefits from its proximity to Phoenix. Homes developed on the site will command relatively unimpeded commutes through Indian reservation land along Highway 87.
Property Description:	3,180 gross acre vacant site. No significant topographic or drainage features or other development constraints.
Zoning:	The site is currently within Pinal County. Pivotal Group will annex the site to the City of Coolidge.
Highest and Best Use:	Engineer and plat up to 12,000 dwelling units. Improve the necessary off-site infrastructure in order to sell superpads with pre-approved subdivision plats.
Projected Development Timeframe:	Up to 22 years. This assumes 2 years of project planning and initial infrastructure development followed by absorption of 600 lots per year up to a total of 12,000 lots. Actual development timeframe is dependent on final density and actual lot sales.

Property Description

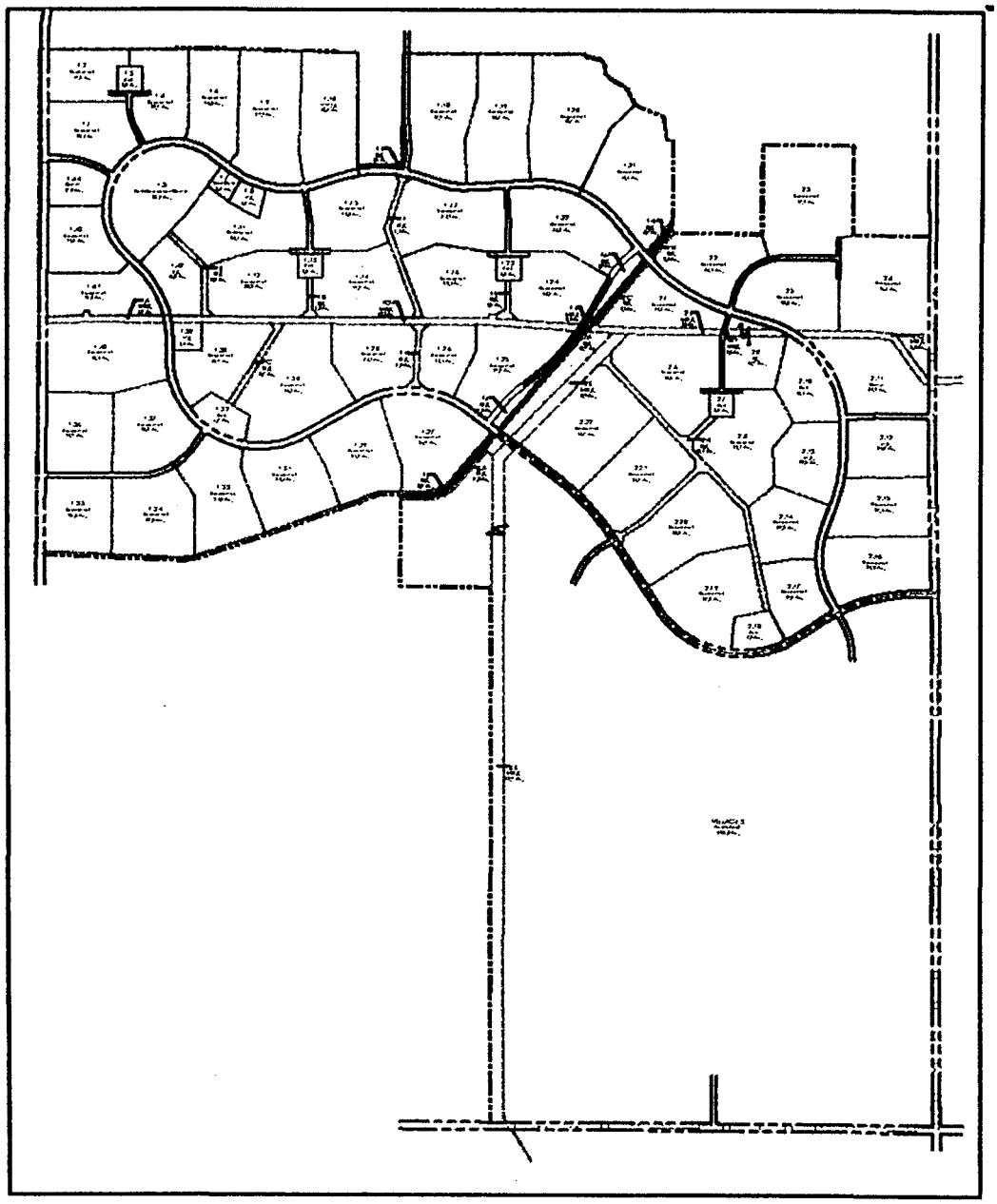


Planning and Development 2002



Proposed Plan

Conceptual Land Use Design



SUNDANCE FARMS
PINAL COUNTY, ARIZONA
Preliminary Land Use Plan Study

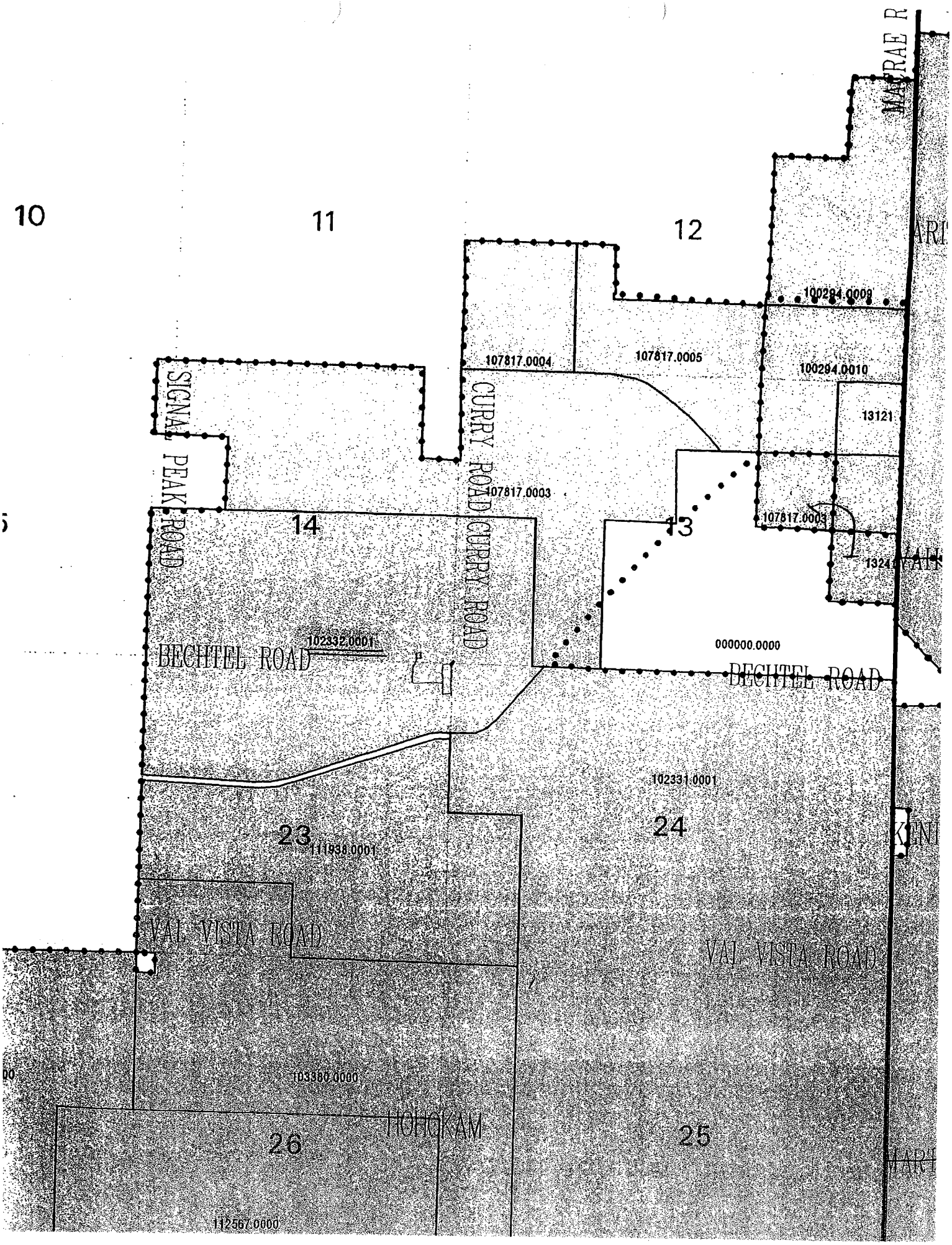
Development Plan and Projections

For purposes of this Plan, we have conservatively projected up to 12,000 dwelling units on the project. Acreage devoted to various uses include 1,011.6 acres of residential, 1,185 acres of active adult, 44 acres for school, day care and worship purposes, 227.7 acres in park, open space and utility, 35 acres for a wastewater treatment plant, and 234.3 acres of commercial, mixed use, miscellaneous and right of way. These acreages and land uses may be revised as the project proceeds through the entitlement and development process.

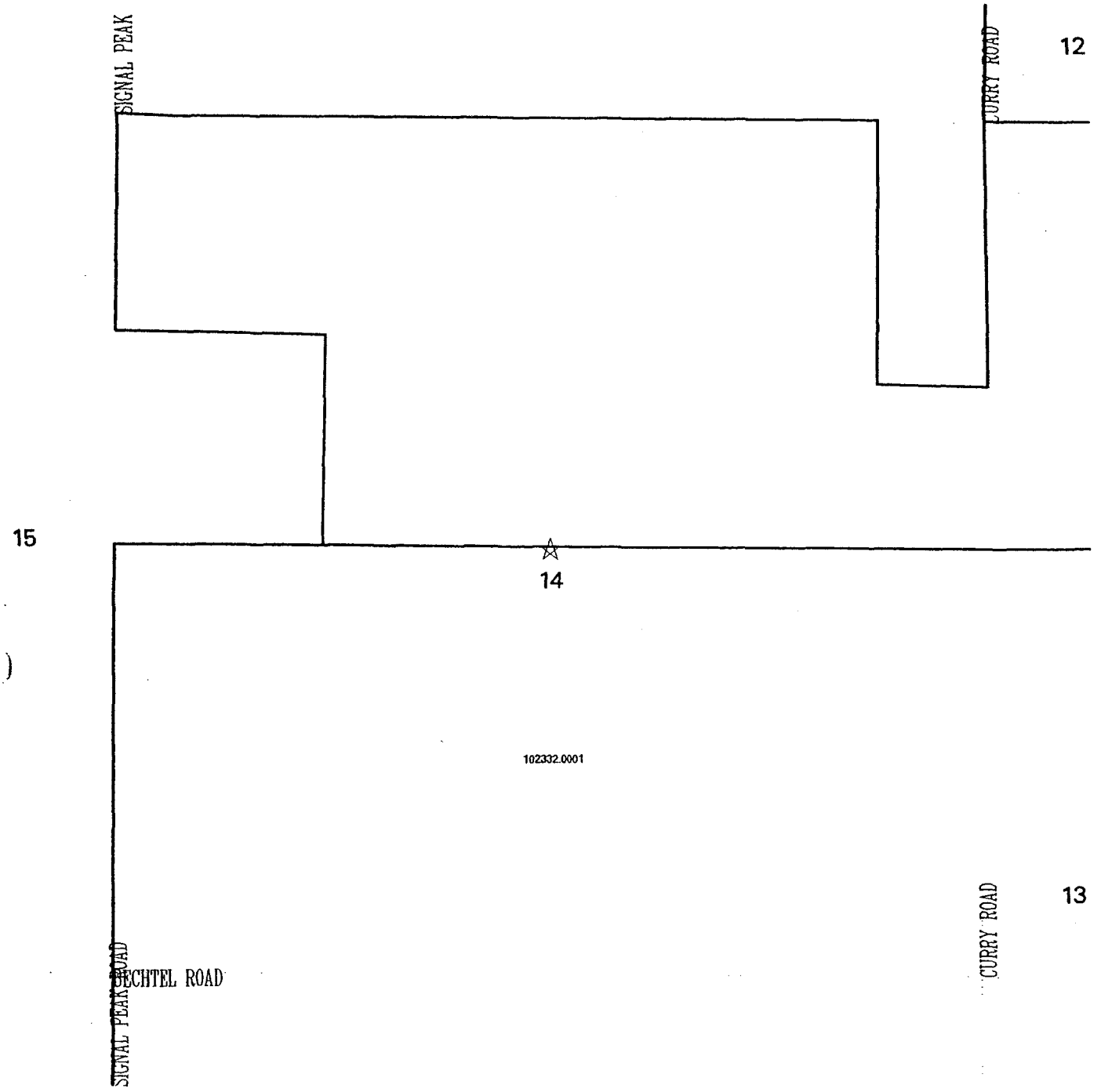
Stabilized dwelling unit absorption is projected at six hundred (600) lots per year. Age-restricted communities in Maricopa County, absorb approximately 203 to 849 dwelling units per year. Non age-restricted communities in Pinal County sell 49 to 816 units per year. This Development will be built out over the next twenty years, depending on pace of home sales and final development densities.

Proposed water use

Retired water rights (Type 1) will initially be used for establishment of a service area right through lease to Woodruff Water Company, which has applied for a certificate of convenience and necessity (CC&N) to serve the property. A portion of this initial right will serve several existing uses on the appurtenant land. Water may also be used for dust control and grading operations. Subsequent retirements will include (on a phased basis) additional land within the project area. Water use from these future retirements will include construction water (including dust control and grading) as well as for establishment of turf and low water use landscaping on community open space and rights-of way, consistent with management plan requirements. Use of water for these various categories may occur off of the appurtenant land, consistent with the Groundwater Code appurtenancy rules.


10
11
12
14
13
23
24
25
26
MACRAE R
SIGNAL PEAK ROAD
CURRY ROAD
CURRY ROAD
BECHTEL ROAD
BECHTEL ROAD
VAL VISTA ROAD
VAL VISTA ROAD
HOHOKAM
100284.0009
107817.0004
107817.0005
100284.0010
13121
107817.0003
107817.0003
102332.0001
000000.0000
102331.0001
111938.0001
103380.0000
112567.0000

C ndwater Rights within 3000 Feet c
Cadastral Location D05007014000
12/15/03 Scale 1:10560



IRRIGATION RIGHT
IRRIGATION NON-APPURTENANT
TYPE 1 RIGHT
TYPE 1 NON-APPURTENANT
PARTIAL DEVELOPED/IRR RIGHT
PARTIAL DEVELOPED/IRR NON-APPURTENANT
EXEMPT SMALL RIGHT
EXEMPT SMALL GROUPING
INACTIVE/DEVELOPED
WITHDRAWN FROM IRRIGATION

EXTINGUISHED/IRR RIGHT
EXTINGUISHED/IRR NON-APPURTENANT
EXTINGUISHED/TYPE 1 RIGHT
EXTINGUISHED/TYPE 1 NON-APPURTENANT
(SEE PLAT IN FILE) PARTIAL EXTINGUISHMENT/ PARTIAL IRRIGATION RIGHT
(SEE PLAT IN FILE) PARTIAL EXTINGUISHMENT/ PARTIAL IRRIGATION RIGHT NON-APPURTENANT
(SEE PLAT IN FILE) PARTIAL EXTINGUISHMENT/ PARTIAL TYPE 1
(SEE PLAT IN FILE) PARTIAL EXTINGUISHMENT/ PARTIAL TYPE 1 NON-APPURTENANT

ARIZONA DEPARTMENT OF WATER RESOURCES

Legal Description

A parcel of land located in the southeast quarter of section 14 and the northeast quarter of Section 23, Township 5 South, Range 7 East, of the Gila and Salt River Base and Meridian, Pinal County, Arizona more particularly described as follows:

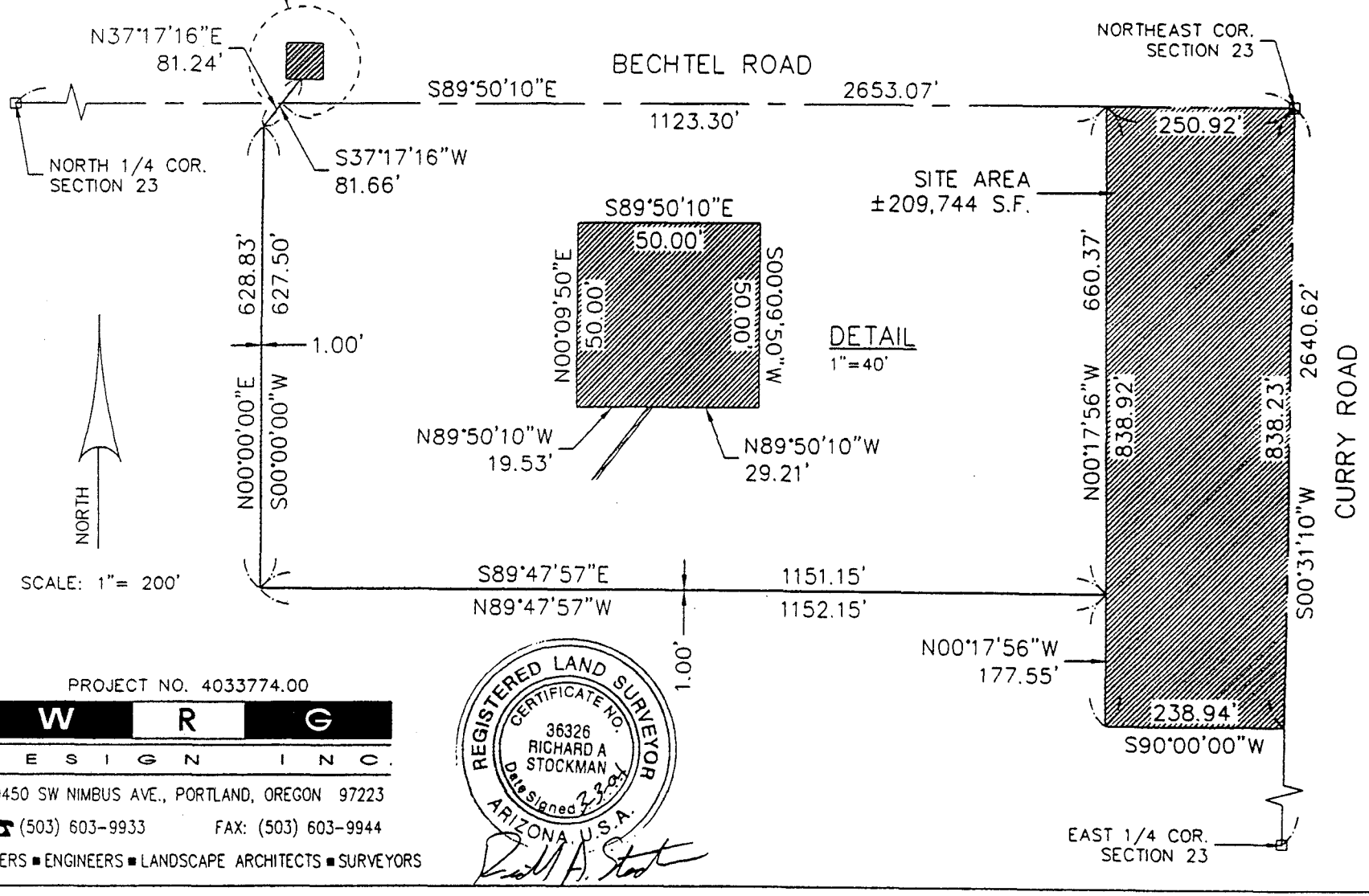
Beginning at a found ½" iron rod in concrete marking the northeast corner of Section 23;
Thence S 00°31'10" W 838.23 feet, along the east line of the northeast quarter of said Section 23, to a point;
Thence S 90°00'00" W 238.94 feet, to a point;
Thence N 00°17'56" W 177.55 feet, to a point;
Thence N 89°47'57" W 1152.15 feet, to a point;
Thence N 00°00'00" E 628.83 feet, to a point;
Thence N 37°17'16" E 81.24 feet, to a point;
Thence N 89°50'10" W 19.53 feet, to a point;
Thence N 00°09'50" E 50.00 feet, to a point;
Thence S 89°50'10" E 50.00 feet, to a point;
Thence S 00°09'50" W 50.00 feet, to a point;
Thence N 89°50'10" W 29.21 feet, to a point;
Thence S 37°17'16" W 81.66 feet, to a point;
Thence S 00°00'00" W 627.50 feet, to a point;
Thence S 89°47'57" E 1151.15 feet, to a point;
Thence N 00°17'56" W 660.37 feet, to a point on the north line of said northeast quarter of Section 23;
Thence along said north line S 89°50'10" E 250.92 feet, to the **Point of Beginning**.

Containing 209,744 square feet or 4.815 acres more or less.

REGISTERED LAND SURVEYOR
CERTIFICATE NO.
36326
RICHARD A
STOCKMAN
Date Signed 3-3-04
ARIZONA, U.S.A.

EXHIBIT

A PARCEL OF LAND LOCATED IN THE SOUTHEAST QUARTER OF SECTION 14 AND THE NORTHEAST QUARTER OF SECTION 23, TOWNSHIP 5 SOUTH, RANGE 7 EAST, OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA.



PROJECT NO. 4033774.00

W R G
D E S I G N I N C.
10450 SW NIMBUS AVE., PORTLAND, OREGON 97223
(503) 603-9933 FAX: (503) 603-9944
PLANNERS ■ ENGINEERS ■ LANDSCAPE ARCHITECTS ■ SURVEYORS

REGISTERED LAND SURVEYOR
CERTIFICATE NO. 36326
RICHARD A STOCKMAN
Date Signed 3-30-
ARIZONA, U.S.A.

1063

DEPARTMENT OF WATER RESOURCES
99 EAST VIRGINIA AVENUE
PHOENIX, ARIZONA 85004

RECEIVED JUN 12 1982 DEPT OF WATER RESOURCES

REGISTRATION OF EXISTING WELLS

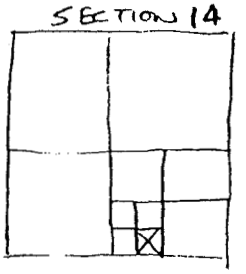
READ INSTRUCTIONS ON BACK OF THIS FORM BEFORE COMPLETING
PRINT OR TYPE — FILE IN DUPLICATE

REGISTRATION FEE (CHECK ONE)	
EXEMPT WELL (NO CHARGE)	☐
NON-EXEMPT WELL – $10.00	☒

U8

FOR OFFICE USE ONLY
REGISTRATION NO. 55- 621828
FILE NO. D(5-7)14dcd
FILED JUN 12 1982 (DATE) AT 9am (TIME)
INA
AMA PINAL

SECTION 14



1. Name of Registrant:
HOWARD WUERTZ
Rt 1, Box 115-A, COOLIDGE AZ 85228
(Address) (City) (State) (Zip)

2. File and/or Control Number under previous groundwater law:
(File Number) 35- (Control Number)

3. a. The well is located within the SE ¼ SW ¼ SE ¼, Section 14, of Township 5 N/S Range 7 E/W, G & SRB & M, in the County of PINAL.

b. If in a subdivision: Name of subdivision _____, Lot No. _____, Address _____.

4. The principal use(s) of water (Examples: irrigation - stockwater - domestic - municipal - industrial)
IRRIGATION.

5. If for irrigation use, number of acres irrigated from well 36.4.

6. Owner of land on which well is located. If same as Item 1, check this box ☑
(Address) (City) (State) (Zip)

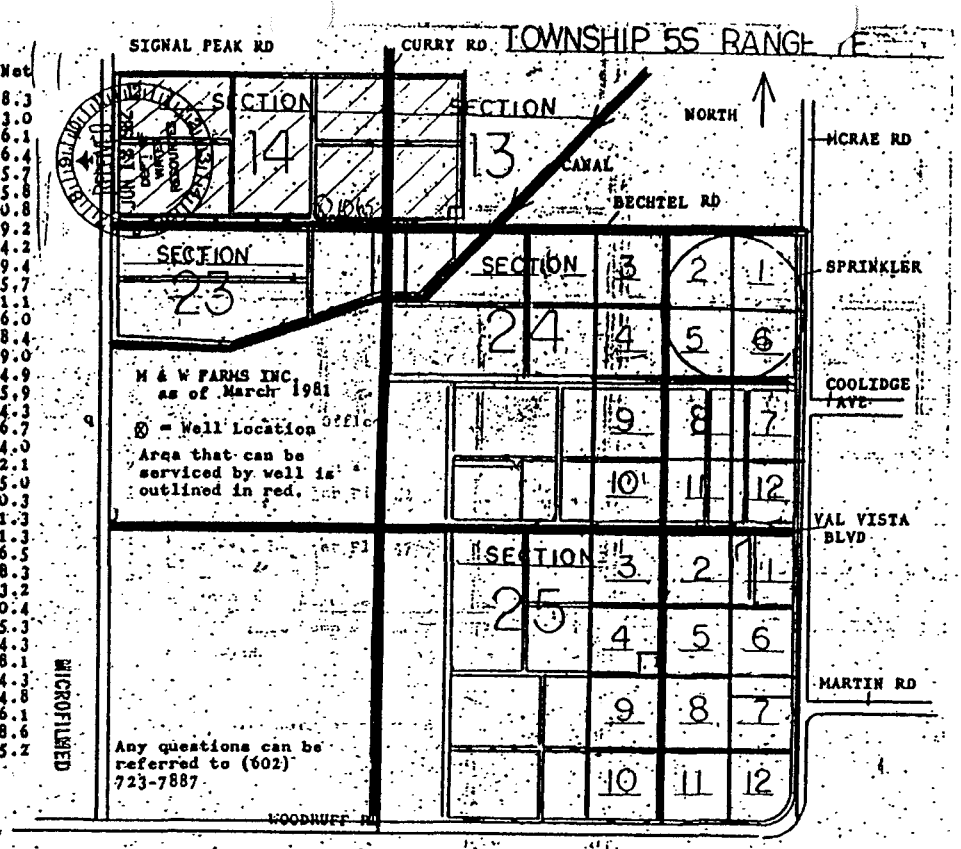
7. Well data (If data not available, write N/A)
a. Depth of Well 1230' feet
b. Diameter of casing 20" inches
c. Depth of casing 470' feet
d. Type of casing Metal.
e. Maximum pump capacity 1768 gallons per minute.
f. Depth to water 260' feet below land surface.
g. Date well completed (Month) (Day) 1963 (Year).

8. The place(s) of use of water. If same as Item 3, check this box ☐. See attachment
____¼ ____¼ ____¼, Section ____ Township ____ Range ____
____¼ ____¼ ____¼, Section ____ Township ____ Range ____
Attach additional sheet if necessary.

MICROFILMED

9. DATE 6/10 SIGNATURE OF REGISTRANT Charles R. Schultz, Farm Mgr.

Key	Fld.#	ACRES Gross	Net
1	1	68.6	68.3
2	2	64.4	63.0
3	3	48.4	46.1
4	4	70.0	76.4
5	5	67.3	65.7
6	6	47.3	45.8
7	7	73.3	70.8
8	8	72.1	69.2
9	9	74.2	74.2
10	10	20.6	19.4
11	11	47.5	45.7
12	12	73.6	71.1
13	13	27.6	26.0
14	14	40.6	38.4
15	15	41.0	39.0
16	16	56.5	54.9
17	17	17.8	15.9
18	18	36.8	34.3
21	19	28.4	26.7
22	20	55.9	54.0
23	21	54.0	52.1
44	22	144.0	125.0
27	23	73.5	70.3
28	24	75.0	71.3
31	25	75.0	71.3
32	26	38.4	36.5
33	27	24.3	18.3
34	28	35.1	33.2
35	29	83.8	80.4
36	30	88.6	85.3
37	31	35.4	34.3
38	32	39.5	38.1
39	33	87.3	84.3
40	34	67.5	64.8
41	35	36.4	36.1
42	36	40.2	38.6
43	37	67.6	65.2



MICROFILMED

AZ DEPT OF WATER RESOURCES
PINAL AMA
DATA ENTRY WORK/CHECKSHEET

DATE : 12-18-90 FILE #: 58-102332.0001
PERSONEL: [illegible] NAME : WUERTZ

__ OWNERSHIP SCREEN 1

NEW FILE STATUS : CODE A-D NAME Active-Partial
OLD FILE STATUS : CODE I-C NAME Inactive full
STATUS DATE 12-18-90

RIGHT NUMBER 58-102332.0001 TYPE: CODE 2 NAME IgR
NAME Howard A. & Jewell Faye Wuertz
ADDRESS 3261 W. Bechtel RD
CITY/ST/ZIP Coolidge AZ 85228 TELE /

AMA CODE A NAME Pinal SUB-BASIN CODE 11 NAME Eloy OWNER CODE P
ALLOTMENT 3100.74 AFA IRRIGATION ACRES 639.00 NAME Private

__ PLACE OF USE SCREEN 2

QUARTERS	SECT	TWNSHP	RANGE
13	13	5S	7E
14	14	5S	7E
23	23,24	5S	7E

__ RPT PARTY SCREEN 3

CODE 1 NAME Owner
NAME
ADDRESS
CITY/ST/ZIP
TELE

__ WATER ALLOTMENTS SCREEN 5

ALLOTMENT 3100.74 AFA IRR AC 639.00 TARGET GPCD —
WATER DUTY 5.16 AFA WD AC 600.92 POPULATION —
MAWA/ACRE 4.85 AFA SW ELGBL AC — CALL GPCD —
RETIRED AC — CONS ALLOT —

__ DELIVERIES SCREEN 6

RIGHTS	WELLS
58 - 102331	55 - 621804, 621823
58 - "	55 - 621808, 621824

__ RECEIVES SCREEN 7

RIGHTS	WELLS
58 -	55 -
58 -	55 -

__ WELLS SCREEN 8

WELL #	LOCATION	PWR COMPANY	ACCOUNT #	METER #
~~621804~~		~~021~~	~~106500000~~	—
~~621805~~		~~021~~	~~[illegible]~~	—
~~621808~~		~~021~~	~~104000000~~	—
~~621823~~		~~021~~	~~102500000~~	—

__ FLEX - ACCOUNT SCREEN A

MICROFILMED

IRRIGATION DISTRICT: 57-001102 CUST ACCT # : —
ID RPT :
IRRIG GFR ALLOT : AFA CURR FLEX ACC: 2732.91 AF

ENTERED JAN 15 1991

~~621827~~
621827
621828 D(5-7)14 DCD
621829

~~021~~ ~~103500000~~
021 106000000
021 106500000
021 107000000

THE M & W FARMS, INC.
ROUTE 1 BOX 115-A
COOLIDGE AZ 85228

STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
WATER RIGHTS ADMINISTRATION
99 EAST VIRGINIA
PHOENIX, ARIZONA 85004

ALSO: H WUERTZ AND THE TWO HUNDRED GROUP

(27)

RECEIPT

KIND ENTRY	FILE REFERENCE NO.
55	621804
THRU	
55	621830

FUND SOURCE	ACCOUNT NO. AGENCY	CHAPTER	DIV.	INT. ACCT.	ITEM DESCRIPTION		RATE	$ AMOUNT
FILE	NUMBERS FOR:				Filing Fee for Registration of Existing Wells		10.00	270.00
M &	W FARMS, INC.							
D	(5-7) 14 aaa				M & W FARMS, INC.	H WUERTZ		
D	(5-7) 14 abb				D(5-7)25 aac	D(5-7)23 aca		
D	(6-6) 36 acd				D(5-7)25 ddd	D(5-7)14 ccd	WAITER	PAYMENT
D	(6-6) 35 add				D(5-7)25 cad	D(5-7)23 aad	QUESTS	27
D	(5-7) 14 bcd				D(5-7)25 cac	TWO HUNDRED GROUP	CHK NO	9403
D	(5-7) 13 ccd				D(5-7)25 acc	D(6-6)15 cad	272	10.00
D	(5-7) 24 ddd				D(5-7)25 bdc		55-I	270.00
D	(5-7) 24 ddd				D(5-7)25 acc		TAX	0.00
D	(5-7) 25 ddd				D(5-7)24 acd		TOTL	270.00
D	(6-6) 25 bdd				D(5-7)24 bdc		GEN.CHEK	270.00
D	(6-6) 36 add				D(5-7)25 cda			
D	(6-6) 36 aaa				D(5-7)24 dcc			

9/24/82 jc Check No. 9403 TOTAL $ 270.00

MICROFILMED

.ARIZONA DEPARTMENT OF WATER RESOURCES, 500 NORTH THIRD STREET, PHOENIX, AZ 85004-3921

AGSF 1
E 1
W1 1

ANNUAL WATER WITHDRAWAL AND USE REPORT
GROUNDWATER SUMMARY 2002

TYPE OF RIGHT: IRRIGATION USE

RIGHT / PERMIT NO. 58-102332.0001

OWNER OF GROUNDWATER RIGHT
WUERTZ HOWARD A
3227 W. BECHTEL RD.
COOLIDGE, AZ 85228

RECEIVED MAR 3 1 2003 RECORDS MGT

REPORTING PARTY
58-102332.0001
WUERTZ HOWARD A
3227 W. BECHTEL RD.
COOLIDGE, AZ 85228

PINAL (520) 836-4857
LOCATION: W2 SW 13 5.0S 7.0E
ALLOTMENT: 2,866.39 AF ACRES: 639.00

If any of the information pre-printed on this report is incorrect, please make the necessary changes.

PART I GROUNDWATER WITHDRAWN

From Box 12 Schedule A or Box 15 Schedule A-GSF attached
Complete this section only if you operate a non-exempt well.

2,216.10 ACRE - FEET X $ 2.75 Withdrawal Fee = $6,094.27

PART II WATER DELIVERED TO OTHER RIGHTS

From Box 11 Schedule D attached

0 ACRE - FEET

PART III WATER RECEIVED FROM OTHER SOURCES

Total from Schedule E attached

63.85 ACRE - FEET

PART IV TOTAL WATER USED BY THIS RIGHT

Calculate as follows : Part I + Part III - Part II

2,279.95 ACRE - FEET

PART V LATE FEES

Complete if filing after March 31.

Note: A portion of a month after March 31 is counted as a full month.

1) Enter number of months late _____ (Maximum of 6)

2) Calculate Late Report Fee _____ $ _____
($25.00 X number of months late)

3) Calculate Late Payment Fee _____ $ _____
(10 % X number of months late X withdrawal fee calculated in Part I above)

PART VI TOTAL FEES DUE

Add amounts from Parts I and V $6,094.27

Mail or hand deliver this report, together with the appropriate schedules, worksheets and fees to the Arizona Department of Water Resources. If mailed, the report must be postmarked no later than March 31, 2003. If hand delivered, the report must be received by the Department's Records Management Unit or local AMA office no later than 5:00 PM on March 31, 2003.

REPORTS FILED AFTER MARCH 31, 2003 ARE SUBJECT TO LATE FEES (A.R.S. § 45-632) AND PAYMENT OF PREVIOUSLY WAIVED MONETARY PENALTIES ASSOCIATED WITH PRIOR GROUNDWATER CODE VIOLATIONS.

I hereby certify, under penalty of perjury, that the information contained in this report is, to the best of my knowledge and belief, true, correct and complete.

X [signature] — AUTHORIZED SIGNATURE
Lessee — TITLE
3/31/03 — DATE

David Wuertz — PRINTED NAME
520-251-0766 — TELEPHONE NUMBER

NOTE: THIS REPORT MUST BE FILED EVEN IF NO WATER WAS USED PURSUANT TO THIS RIGHT.

ARIZONA DEPARTMENT OF WATER RESOURCES

SCHEDULE A-GSF

REPORT OF GROUNDWATER WITHDRAWALS AND IN-LIEU WATER RECEIVED

ANNUAL REPORT 2002

OWNER

WUERTZ HOWARD A

1 RIGHT/PERMIT NO.

58-102332.0001

Note: Pumpage for each well must be shown on the attached worksheet. Information for up to four wells may be shown on each worksheet.

PART I GROUNDWATER WITHDRAWN

2 DWR WELL REGISTRATION NO.						3 POWER COMPANY NAME						FOR DEVICE TYPE 2 thru 6 ONLY		
10 Q	40 Q	160 Q	LOCATION SEC	TWN	RNG	ACCOUNT NO.	METER NO.	4 DV TYPE	5 OTH USES	6 ENERGY CONSUMED	7 AVERAGE DISCHARGE	8 DIVIDER TOTAL HRS	9 GROUNDWATER WITHDRAWN IN ACRE-FEET
55-621827						ELECTRICAL DISTRICT 2							
NE	SW	NE	23	5.0S	7.0E	106000000		1	N	1,058,400			1,466.93
55-621828						ELECTRICAL DISTRICT 2							
SE	SW	SE	14	5.0S	7.0E	106500000		1	Y	319,800			679.64
55-621829						ELECTRICAL DISTRICT 2							
SE	NE	NE	23	5.0S	7.0E	107000000		1	N	Ø			Ø

10 TOTAL ACRE-FEET WITHDRAWN	2,146.57

PART II IN-LIEU GROUNDWATER RECEIVED

11 WATER STORAGE PERMIT NUMBER	12 WATER STORAGE PERMIT HOLDER NAME	13 QUANTITY RECEIVED IN ACRE-FEET
	Hohokam I+DD	69.53

14 TOTAL IN-LIEU RECEIVED	69.53
15 TOTAL OF BOX 10 AND 14	2,216.10

ADD TOTAL ACRE-FEET OF GROUNDWATER WITHDRAWN AND IN-LIEU WATER RECEIVED. ENTER IN PART I OF SUMMARY PAGE.

ARIZONA DEPARTMENT OF WATER RESOURCES

SCHEDULE E

WATER RECEIVED FROM OTHER SOURCES

ANNUAL REPORT 2002

OWNER

WUERTZ HOWARD A

RIGHT/PERMIT NO.

58-102332.0001

PART I - WATER RECEIVED FROM PRIMARY IRRIGATION DISTRICTS

PRIMARY DISTRICT Provider no.: 57-001102.0000

Name of Irrigation District: HOHOKAM IRRIGATION DISTRICT

Your district user/ account number:

Number of acres eligible to receive surface water:

TYPE OF WATER		ACRE-FEET RECEIVED
GROUNDWATER		
SURFACE WATER	Decreed/Appropriative	
	Normal Flow	
	Spillwater	
	CAP	63.85
IN-LIEU GROUNDWATER	Permit Holder	
EXCHANGE GROUNDWATER	Notice No. 69-	
	Total acre-feet water received	63.85

PART II - WATER RECEIVED FROM SECONDARY IRRIGATION DISTRICTS

SECONDARY DISTRICT Provider no.: 57 -

Name :

TYPE OF WATER		ACRE-FEET RECEIVED
EFFLUENT		
GROUNDWATER		
CAP		
IN-LIEU GROUNDWATER	Permit Holder	
	Total acre-feet water received	0

PART III - WATER RECEIVED OR DIVERTED FROM SOURCES OTHER THAN IRRIGATION DISTRICTS

TYPE OF WATER	RIGHT NO.SUPPLYING WATER	DWR WELL NUMBER	HOW MEASURED OR ESTIMATED	ACRE-FEET RECEIVED
GROUNDWATER				
CAP				
DECREED/APPROP. SURF. WTR.				
EFFLUENT				
TAILWATER				
			Total acre-feet water received	0

Total acre-feet of received and diverted water(add amounts from PARTs I, II, and III.) ENTER TOTAL ON PART III OF Summary Page. 63.85

WORKSHEET W-1 2002

GROUNDWATER RIGHT/PERMIT NO. 58-102332.0001

1 DWR WELL REGISTRATION NO.	10 Q	40 Q	160 Q	LOCATION Sec	Twn	Rng
55-621827	NE	SW	NE	23	5.0S	7.0E

2 TYPE OF MEASURING DEVICE	MAKE / MODEL
TOTALIZER	
SIZE	UNITS MEASURED
INSTALLATION OR OVERHAUL DATE	

3 POWER CO. NAME	ACCOUNT NO.	POWER METER NO.
ELECTRICAL DISTRICT 2	106000000	

Enter Total Energy Consumption in Column 6 of Schedule A

ENERGY CONSUMPTION	UNITS
1,058,400	KWH

4 DOES ENERGY METER SERVE USES OTHER THAN THE WELL PUMP? Yes ☐ No ☒

ENTER "Y" OR "N" IN COLUMN 5 OF SCHEDULE A

WATER TOTALIZING METER READINGS		
5 INITIAL	6 ENDING	7 DIFFERENCE
356,128,000	834,128,000	478,000,000

IF METER WAS REPLACED DURING THE YEAR, INDICATE BEGINNING AND ENDING READING FOR EACH METER IN THE BOXES ABOVE.

8 ACRE FEET	1,466.93	9 BREAKDOWN ESTIMATE	0

Enter total Acre-feet Shown in 10 in Column 9 of Schedule A

10 TOTAL IN ACRE-FEET	1,466.93

1 DWR WELL REGISTRATION NO.	10 Q	40 Q	160 Q	LOCATION Sec	Twn	Rng
55-621828	SE	SW	SE	14	5.0S	7.0E

2 TYPE OF MEASURING DEVICE	MAKE / MODEL
TOTALIZER	
SIZE	UNITS MEASURED
INSTALLATION OR OVERHAUL DATE	

3 POWER CO. NAME	ACCOUNT NO.	POWER METER NO.
ELECTRICAL DISTRICT 2	106500000	

Enter Total Energy Consumption in Column 6 of Schedule A

ENERGY CONSUMPTION	UNITS
319,800	KWH

4 DOES ENERGY METER SERVE USES OTHER THAN THE WELL PUMP? Yes ☒ No ☐

ENTER "Y" OR "N" IN COLUMN 5 OF SCHEDULE A

WATER TOTALIZING METER READINGS		
5 INITIAL	6 ENDING	7 DIFFERENCE
164,024,000	385,484,000	221,460,000

IF METER WAS REPLACED DURING THE YEAR, INDICATE BEGINNING AND ENDING READING FOR EACH METER IN THE BOXES ABOVE.

8 ACRE FEET	679.64	9 BREAKDOWN ESTIMATE	0

Enter total Acre-feet Shown in 10 in Column 9 of Schedule A

10 TOTAL IN ACRE-FEET	679.64

1 DWR WELL REGISTRATION NO.	10 Q	40 Q	160 Q	LOCATION Sec	Twn	Rng
55-621829	SE	NE	NE	23	5.0S	7.0E

2 TYPE OF MEASURING DEVICE	MAKE / MODEL
TOTALIZER	
SIZE	UNITS MEASURED
INSTALLATION OR OVERHAUL DATE	

3 POWER CO. NAME	ACCOUNT NO.	POWER METER NO.
ELECTRICAL DISTRICT 2	107000000	

Enter Total Energy Consumption in Column 6 of Schedule A

ENERGY CONSUMPTION	UNITS
0	

4 DOES ENERGY METER SERVE USES OTHER THAN THE WELL PUMP? Yes ☐ No ☒

ENTER "Y" OR "N" IN COLUMN 5 OF SCHEDULE A

WATER TOTALIZING METER READINGS		
5 INITIAL	6 ENDING	7 DIFFERENCE
334,993,000	334,993,000	0

IF METER WAS REPLACED DURING THE YEAR, INDICATE BEGINNING AND ENDING READING FOR EACH METER IN THE BOXES ABOVE.

8 ACRE FEET	0	9 BREAKDOWN ESTIMATE	

Enter total Acre-feet Shown in 10 in Column 9 of Schedule A

10 TOTAL IN ACRE-FEET	0

1 DWR WELL REGISTRATION NO.	10 Q	40 Q	160 Q	LOCATION Sec	Twn	Rng

2 TYPE OF MEASURING DEVICE	MAKE / MODEL
SIZE	UNITS MEASURED
INSTALLATION OR OVERHAUL DATE	

3 POWER CO. NAME	ACCOUNT NO.	POWER METER NO.

Enter Total Energy Consumption in Column 6 of Schedule A

ENERGY CONSUMPTION	UNITS

4 DOES ENERGY METER SERVE USES OTHER THAN THE WELL PUMP? Yes ☐ No ☐

ENTER "Y" OR "N" IN COLUMN 5 OF SCHEDULE A

WATER TOTALIZING METER READINGS		
5 INITIAL	6 ENDING	7 DIFFERENCE

IF METER WAS REPLACED DURING THE YEAR, INDICATE BEGINNING AND ENDING READING FOR EACH METER IN THE BOXES ABOVE.

8 ACRE FEET		9 BREAKDOWN ESTIMATE	

Enter total Acre-feet Shown in 10 in Column 9 of Schedule A

10 TOTAL IN ACRE-FEET	

ARIZONA DEPARTMENT OF WATER RESOURCES, 500 NORTH THIRD STREET, PHOENIX, AZ 85004-3921

ANNUAL WATER WITHDRAWAL AND USE REPORT
GROUNDWATER SUMMARY 2002

TYPE OF RIGHT

IRRIGATION USE

RIGHT / PERMIT NO.

58-102332.0001

OWNER OF GROUNDWATER RIGHT

WUERTZ HOWARD A
3227 W. BECHTEL RD.
COOLIDGE, AZ 85228

RECEIVED
MAR 3 1 2003
RECORDS MGT

REPORTING PARTY

58-102332.0001
WUERTZ HOWARD A
3227 W. BECHTEL RD.
COOLIDGE, AZ 85228

PINAL (520) 836-4857
LOCATION: W2 SW 13 5.0S 7.0E
ALLOTMENT: 2,866.39 AF ACRES: 639.00

INPUT

If any of the information pre-printed on this report is incorrect, please make the necessary changes.

PART I GROUNDWATER WITHDRAWN

From Box 12 Schedule A or Box 15 Schedule A-GSF attached
Complete this section only if you operate a non-exempt well.

2,216.10 ACRE - FEET X $ 2.75 Withdrawal Fee = $6,094.27

PART II WATER DELIVERED TO OTHER RIGHTS

From Box 11 Schedule D attached

0 ACRE - FEET

PART III WATER RECEIVED FROM OTHER SOURCES

Total from Schedule E attached

63.85 ACRE - FEET

PART IV TOTAL WATER USED BY THIS RIGHT

Calculate as follows : Part I + Part III - Part II

2,279.95 ACRE - FEET

PART V LATE FEES

Complete if filing after March 31.

Note: A portion of a month after March 31 is counted as a full month.

1) Enter number of months late [ ] (Maximum of 6)

2) Calculate Late Report Fee _____ $ [ ]
($25.00 X number of months late)

3) Calculate Late Payment Fee _____ $ [ ]
(10 % X number of months late X withdrawal fee calculated in Part I above)

PART VI TOTAL FEES DUE

Add amounts from Parts I and V $6,094.27

DAVID WUERTZ FARMS
3227 W. BECHTEL ROAD
COOLIDGE AZ 85228
(520) 723-7711

06390

COMMUNITY FIRST NATIONAL BANK
COOLIDGE, AZ 85228-4705

91-564/1221 6

Pay Six Thousand Ninety-Four Dollars and 27 Cents USD

DATE	CHECK NO.	CHECK AMOUNT
03/31/2003	6390	6,094.27

TO THE ORDER OF
ARIZONA DEPT. OF WATER RESOURCES
1000 E. RACINE PLACE
CASA GRANDE AZ 85222

[redacted]

NOTE: THIS REPORT MUST BE FILED EVEN IF NO WATER WAS USED PURSUANT TO THIS RIGHT

Michael V. Mulchay, PLC

2828 N. Central Ave., Suite 1110
Phoenix, Arizona 85004-1028
Telephone: 602-264-4232
Facsimile: 877-447-5365
mike@mulchaylaw.com

FACSIMILE COVER SHEET

THE PAGES THAT FOLLOW MAY CONTAIN SENSITIVE, PRIVILEGED OR CONFIDENTIAL INFORMATION INTENDED SOLELY FOR THE ADDRESSEE NAMED BELOW. IF YOU RECEIVE THIS MESSAGE AND ARE NOT THE AGENT OR EMPLOYEE OF THE ADDRESSEE, THIS FACSIMILE COMMUNICATION HS BEEN SENT IN ERROR. PLEASE DO NOT DISSEMINATE OR COPY ANY OF THE ATTACHED, AND NOTIFY THE SENDER IMMEDIATELY BY TELEPHONE. PLEASE DESTROY THE ATTACHED SHEET(S).

DATE: APRIL 14, 2004

FROM: MICHAEL V. MULCHAY

OUR FILE NUMBER:

TO:	FIRM:	FAX NO.:	BUS NO.:
Russ Shasky	Pivotal Group	(602) 956-2313	(602) 956-7200

We are sending 8 pages including this cover sheet. Please telephone (602) 264-4232 if all pages are not received.

DOCUMENTS ENCLOSED:

Quit-Claim Deeds

SENDER'S REMARKS:

Russ – Per your request. Please call me if you need anything further.

Mike

Quit Claim Deed Recorded On March 11, 1999 Conveying 339.62 Acres From Howard And Jewel Wuerth To Wildcat LLC

OFFICIAL RECORDS OF
PINAL COUNTY RECORDER
LAURA DEAN-LYTLE

DATE: 03/11/99 TIME: 1223
FEE : 11.00
PAGES: 2
FEE NO: 1999-010949

When Recorded Return To:

Stephen A. Good, Esq.
FENNEMORE CRAIG
3003 North Central Avenue, Suite 2600
Phoenix, AZ 85012-2913

QUIT CLAIM DEED

For the consideration of Ten Dollars, and other valuable consideration, HOWARD A. WUERTZ and JEWELL WUERTZ, husband and wife, hereby quit claim to WILDCAT FARMS, LLC, an Arizona limited liability company, the following real property situated in Pinal County, Arizona, together with all rights and privileges appurtenant thereto:

Parcel 1:
The West Half of the Southwest Quarter of Section 13, Township 5 South, Range 7 East, Gila and Salt River Base and Meridian, Pinal County, Arizona.

Parcel 2:
That part of the North Half of Section 23 lying North of the San Carlos Canal, Township 5 South, Range 7 East, Gila and Salt River Base and Meridian, Pinal County, Arizona.
EXCEPT approximately 2.68 acres (116,875 square feet) located in the Northeast corner of the Northeast Quarter of Section 23, commencing at the Northeast corner of said Section 23, thence West a distance of 275 feet, thence South a distance of 425 feet, thence East a distance of 275 feet, thence North a distance of 425 feet to the Point of Beginning.

Parcel 3:
That part of the Northwest Quarter of Section 24 lying North of the San Carlos Canal, Township 5 South, Range 7 East, Gila and Salt River Base and Meridian, Pinal County, Arizona.

Dated effective as of the 26 day of February, 1999.

Howard A. Wuertz

Howard A. Wuertz

Jewell Wuertz

Jewell Wuertz

Quitclaim Deed Recorded December 29, 1998 In Record No. 1998-053118 In Which Each Of The Four Co-tenant Conveyed Their 25% Undivided Interests In The 320 Acres To The Wuertz Farming Limited Company

OFFICIAL RECORDS OF
PINAL COUNTY RECORDER
KATHLEEN C. FELIX

DATE: 12/29/98 TIME: 1318
FEE : 20.00
PAGES: 4
FEE NO: 1998-053118

When recorded mail to:
Stephen A. Good
FENNEMORE CRAIG
3003 North Central Avenue, Suite 2600
Phoenix, AZ 85012-2913

QUITCLAIM DEED

For the consideration of Ten Dollars, and for other good and valuable consideration, CAROL WUERTZ BLACKWELL, a married woman dealing with her sole and separate property, SARAH WUERTZ, a married woman dealing with her sole and separate property, GREGORY WUERTZ, a married man dealing with his sole and separate property, and DAVID WUERTZ, a married man dealing with his sole and separate property (collectively, the "Grantors"), do hereby quitclaim to WUERTZ FARMING LIMITED COMPANY, an Arizona limited liability company, all of the Grantors' respective right, title and interest in and to the following real property situated in Pinal County, Arizona, together with all rights and privileges appurtenant thereto:

Parcel 1:
The South Half of Section 14, Township 5 South, Range 7 East of the Gila & Salt River Base and Meridian, Pinal County, Arizona.

See Attached for Parcel 2
Dated effective as of December 23, 1998.

Carol Wuertz Blackwell

Carol Wuertz Blackwell

Sarah Wuertz

Sarah Wuertz

Gregory Wuertz

Gregory Wuertz

David Wuertz

David Wuertz

PHX/SGOOD/915483.1/97102.001

STATE OF ARIZONA)
) ss
County of ~~MARICOPA~~ Pinal)

The foregoing instrument was acknowledged before me this 23 day of December 1998, by Carol Wuertz Blackwell.

Karen R Jensen
Notary Public
Karen R Scott

My Commission Expires:

10-13-2000

OFFICIAL SEAL
KAREN R. SCOTT
Notary Public - State of Arizona
PINAL COUNTY
My Comm. Expires Oct. 13, 2000

STATE OF ARIZONA)
) ss
County of ~~MARICOPA~~ Pinal)

The foregoing instrument was acknowledged before me this 23 day of December 1998, by Sarah Wuertz.

Karen R Jensen
Notary Public
Karen R Scott

My Commission Expires:

10-13-2000

OFFICIAL SEAL
KAREN R. SCOTT
Notary Public - State of Arizona
PINAL COUNTY
My Comm. Expires Oct. 13, 2000

STATE OF ARIZONA)
) ss
County of ~~MARICOPA~~ Pinal)

The foregoing instrument was acknowledged before me this 23 day of December 1998, by Gregory Wuertz.

Karen R Jensen
Notary Public

My Commission Expires:

10-13-2000

OFFICIAL SEAL
KAREN R. SCOTT
Notary Public - State of Arizona
PINAL COUNTY
My Comm. Expires Oct. 13, 2000

PHX/SGOOD/915483.1/97102.001

STATE OF ARIZONA)
) ss
County of MARICOPA)

The foregoing instrument was acknowledged before me this 23 day of December 1998, by David Wuertz.

Karen R. Scott
Notary Public
NEE Karen R. Scott

My Commission Expires:

10-13-2000

OFFICIAL SEAL
KAREN R. SCOTT
Notary Public - State of Arizona
PINAL COUNTY
My Comm. Expires Oct. 13, 2000

PHX/SGOOD/915483.1/97102.001

Parcel 2:

An easement for conveyance of HoHoKam Irrigation District water throught and existing pipeline that lies within the South 60 feet of the West half of the Southwest quarter of Section 13, Township 5 South, Range 7 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

Michael V. Mulchay, PLC

2828 N. Central Ave., Suite 1110
Phoenix, Arizona 85004-1028
Telephone: 602-264-4232
Facsimile: 877-447-5365
mike@mulchaylaw.com

FACSIMILE COVER SHEET

THE PAGES THAT FOLLOW MAY CONTAIN SENSITIVE, PRIVILEGED OR CONFIDENTIAL INFORMATION INTENDED SOLELY FOR THE ADDRESSEE NAMED BELOW. IF YOU RECEIVE THIS MESSAGE AND ARE NOT THE AGENT OR EMPLOYEE OF THE ADDRESSEE, THIS FACSIMILE COMMUNICATION HS BEEN SENT IN ERROR. PLEASE DO NOT DISSEMINATE OR COPY ANY OF THE ATTACHED, AND NOTIFY THE SENDER IMMEDIATELY BY TELEPHONE. PLEASE DESTROY THE ATTACHED SHEET(S).

DATE: APRIL 15, 2004

FROM: MICHAEL V. MULCHAY

OUR FILE NUMBER:

TO:	FIRM:	FAX NO.:	BUS NO.:
Russ Shasky	Pivotal Group	(602) 956-2313	(602) 956-7200

We are sending __2__ pages including this cover sheet. Please telephone (602) 264-4232 if all pages are not received.

DOCUMENTS ENCLOSED:

Appointment of Karl as agent for water applications

SENDER'S REMARKS:

Russ – Per your request. Here's a copy of the signed appointment of Karl. Please let me know what else you need.

Mike

APPOINTMENT OF AGENT FOR LIMITED PURPOSE

Howard Wuertz and Carol Wuertz, the Seller Representatives as established pursuant to § 1, p. 1 of that certain Purchase Agreement dated as of November 10, 2003, by and among Pivotal Group, Inc., an Arizona corporation, as Buyer, and various owners of real property related to Seller Representatives, do hereby:

1. Appoint Karl Polen of the Pivotal Group as the attorney in fact for the Sellers, Howard and Jewell Wuertz, individually, Wildcat Farms, LLC and Wuertz Farming Company, for and in their stead to prepare and execute, for and on their behalf, the following documents:

a. An Application for Development Plan Approval to Retire an Irrigation Grandfathered Right for Non-Irrigation (Type 1) Use; and

b. An Application to Retire an Irrigation Grandfathered Right for a Non-Irrigation (Type 1) Use.

2. Such documents shall be in form satisfactory to the aforesaid Agent and the Arizona Department of Water Resources.

Dated this 15 day of April, 2004.

Howard Wuertz, Seller Representative

Carol Wuertz, Seller Representative

JAN 20 2005

ARIZONA DEPARTMENT OF WATER RESOURCES

Pinal Active Management Area Office
1729 North Trekell Road, Suite 105, Casa Grade, Arizona 85222
Telephone (520) 836-4857
Fax (520) 836-9208

JANET NAPOLITANO
Governor

HERB GUENTHER
Director

January 19, 2005

Bill King
Pivotal Group
2555 East Camelback Road
Suite 700
Phoenix, AZ 85016

Re: Development Plan Approval, Irrigation Grandfathered Right No. 58-102332.0001

Dear Pivotal Group:

Your request for a development plan approval for the acres to which Certificate of Irrigation Grandfathered Right No. 58-102332.0001 is appurtenant has been reviewed by the Department. In accordance with A.R.S. § 45-469(B), the development plan was approved on September 3, 2004.

Approval of the development plan results in the retirement of 4.8 acres for a non-irrigation use. Retirement of the remaining acres for a non-irrigation use may only be accomplished by filing an application for retirement on a form available at the Department.

If at some future date you file an application to retire some or all of the above-described acres from irrigation, the Department will determine whether all the eligibility criteria set forth in A.R.S. § 45-469 are met. Generally, this determination will be made on the basis of the facts as they exist at time of retirement. However, A.R.S. § 45-469(H) provides that one of the requirements, that the land must be located outside the exterior boundaries of a service area, shall be determined as of the date the development plan is approved. Essentially, by obtaining approval of the development plan, you have, for a reasonable time, met this criterion.

Please be advised that, pursuant to A.R.S. § 45-469(A)(2), a reasonable time within which the above-described acres may be retired pursuant to this development plan shall be <u>no later than *September 3, 2009(five years from the date of approval)*</u>. If an application to retire the acres for a non-irrigation use is filed after that date, you must submit a new development plan for approval, and service area boundaries will be determined at the time the new development plan is submitted.

If you have any questions or comments regarding this matter, please contact Cindy Pogue of the Pinal Active Management Area Office at 520-836-4857.

Sincerely,

Randy Edmond
Pinal AMA Director

devplan1approval letter

WWC-8
Admitted

ARIZONA DEPARTMENT OF WATER RESOURCES

INITIAL REQUEST TO ESTABLISH A NEW SERVICE AREA RIGHT

(Please print)

I, KARL POLEN, representing WOODRUFF WATER COMPANY hereby affirm that water will be used on a regular basis for service area development commencing

_____ pursuant to the following rights: (Attach additional sheets if necessary)
(Date)

GROUNDWATER SOURCE

✓ Type 1 right(s) #58- APPLIED FOR 58-102332.0003

__ Type 2 right(s) #58- _____

__ Recovery Well Permit(s) #74- _____

Water will be withdrawn from the following well(s): (Attach additional sheets if necessary)

55- 621828 55- _____ 55- _____ 55- _____

55- _____ 55- _____ 55- _____ 55- _____

SURFACE WATER SOURCE

____ CAP Subcontract _____

____Surface Water Right/Permit/Claim # _____

Water will be diverted from the following location(s): (Attach additional sheets if necessary)

SE ¼ SW ¼ SE ¼ 14 Sec. 5S Township 7E Range

__ ¼ __ ¼ __ ¼ ____Sec. _____Township _____Range

I certify that all water used by WOODRUFF WATER COMPANY will be used for purposes related to service area development. Further, I certify that groundwater code and management plan requirements for service areas, if applicable to this system, have been read and understood, and will be met as described on the attached plan.

(Please attach a plan which demonstrates the applicant's ability to meet all groundwater code and management plan requirements for service area.)

Authorized Signature: [signature] Title: VICE PRESIDENT Phone: 602 956-7200

Address: 2555 E. CAMELBACK ROAD, SUITE 700
PHOENIX, AZ 85016

Direct any questions, comments or requests for further assistance to one the Department personnel in the Active Management Area (AMA) in which the application is filed as indicated in the table on the reverse side.

Revised 3/03

WWC-9
Admitted

PIVOTAL
GROUP

September 2nd, 2004

Ms. Cindy Pogue
Water Resources Specialist, Pinal AMA
1729 N. Trekell Road, Suite 105
Casa Grande, AZ 85222

Dear Ms. Pogue:

This letter serves as notification that Woodruff Water Company commenced water service to Mr. Howard Wuertz on September, 1st 2004.

Sincerely,

Karl Polen
Executive Vice President
Woodruff Water Company

The Esplanade • Suite 700
2555 East Camelback Road
Phoenix, Arizona 85016
(602) 956-7200 • FAX (602) 956-2313
pivotalgroup.com

Lease Agreement

This Lease Agreement is made as of August 1, 2004 by and among WILDCAT FARMS, LLC, an Arizona limited liability company and WUERTZ FARMING LIMITED COMPANY, an Arizona limited liability company (collectively, "**Lessor**"), and WOODRUFF WATER COMPANY, an Arizona corporation ("**Lessee**"). The property (the "**Leased Premises**") that is the subject of this Lease consists of a parcel of land located in the southeast quarter of Section 14 and the Northeast quarter of Section 23, Township 5 South, Range 7 East, containing approximately 4.815 acres that is more particularly described on Exhibit "A" attached hereto (the "Land"), together with the Type 1 non-irrigation grandfathered groundwater right, which is appurtenant to the Land (the "**Appurtenant Water Right**"). A copy of the certificate of the Appurtenant Water Right is attached as Exhibit "B".

1. Leased Premises. Lessor hereby leases to Lessee and Lessee hereby leases from Lessor, under the terms and conditions set forth herein the Leased Premises, including the Appurtenant Water Right.

2. Term. Subject to the contingency set forth in Paragraph 11 below, the term of this Lease shall commence as of August 1, 2004, and shall expire July 31, 2023.

3. Rent. Except as provided in the next sentence, the rent for the Leased Premises shall be $25.00 per year and payable yearly in advance. On the date hereof, Lessee shall pay $25.00 as rental for the Leased Premises through December 31, 2005. Commencing January 1, 2006, and on January 1 of each calendar year throughout the remainder of the term of the Lease, the annual rent for the Leased Premises shall be due

and payable. In addition, Lessee will reimburse Lessor for all privilege, license or transaction taxes levied against the rent.

4. Location and Extent of Use. Lessee may use up to 14 acre-feet of the Appurtenant Water Right at any legally permissible location located within the Pinal Active Management Area. Lessor reserves the right to use the balance of the Appurtenant Water Right, including those portions of the 14 acre-feet the Lessee has the right to use under this Lease that is not used in any calendar year. Lessor retains the right to use the Leased Premises, including all improvements located on the Land, for any purpose whatsoever, provided that such use is consistent with the rules and regulations of the Arizona Department of Water Resources ("**ADWR**") and further provided that the use does not interfere with Lessee's ability to use the Appurtenant Water Right as provided hereunder.

5. Taxes and Withdrawal Fees. Lessee shall pay promptly, and before delinquency, all withdrawal fees, taxes, assessments, license fees and other governmental charges levied on or against the Appurtenant Water Right by reason of Lessee's use of the Appurtenant Water Right. Lessee shall make said payments for a particular year at the time Lessee provides the information required under Paragraph 6 for that year. Lessor shall remain solely responsible for property taxes, assessments, license fees and all other governmental charges levied on or against the Leased Premises.

6. Annual Reports. Lessor shall be responsible for the timely preparation and filing of the Annual Groundwater Withdrawal Report ("**Annual Report**") to ADWR for the 2004 calendar year and each year thereafter during the term of this Lease. By January 31st of each year, or as soon as reasonably possible thereafter, Lessee shall

provide to Lessor completed worksheets in the form of Worksheet W-1 as prepared by ADWR (or any Departmental substitution hereof) for each well owned or operated by Lessee from which any groundwater withdrawn under the Appurtenant Water Right is withdrawn during the prior year under the terms and conditions of this Lease. Lessee shall also provide to Lessor any and all information reasonably requested by Lessor pertinent to Lessee's withdrawal of and use of groundwater under the terms and condition of this Lease and needed to complete an Annual Report. This paragraph shall survive the termination or expiration of this Lease.

7. Warranties and Representations. Lessor represents and warrants to Lessee that Lessor is the owner of the Appurtenant Water Right and has the authority to enter into this Lease upon the terms set forth herein; and that Lessee will have quiet enjoyment of the Leased Premises. Lessee represents and warrants to Lessor that Lessee will not withdraw more than 14 acre-feet of water per year during the term of this Lease based on the Appurtenant Water Right.

8. Assignment. Lessee shall not assign or otherwise transfer its interest in this Lease to others without first obtaining the prior written consent of Lessor.

9. Indemnification. Each party agrees to indemnify and hold the other party harmless from any and all costs, charges, assessments, obligations, liabilities, damages, judgments or other such claims attributable to any dispute, lawsuit or proceeding arising out of the indemnifying party's breach of the terms and conditions of this Lease.

10. Compliance with Law. At its sole cost and expense, Lessee agrees to comply with all applicable statutes, rules and regulations, including but not limited to Management Plans for the Pinal AMA, that govern the withdrawal and use of

groundwater. Lessee's failure to comply with this paragraph shall not be considered a breach of this Lease unless Lessor is damaged thereby.

11. Notices. Notices and communications shall be effective when mailed first class, postage paid, to the parties at the addresses listed below.

If to Lessor:

Wuertz Farming Limited Company
3227 West Bechtel Road
Coolidge, Arizona 85228
Attention: Howard Wuertz

If to Lessee:

Woodruff Water Company, L.L.C.
c/o Pivotal Group
2555 E. Camelback Road
Suite 700
Phoenix, Arizona 85016

12. Counterparts. This lease may be executed in counterparts and all of the counterparts so executed shall together constitute a single agreement.

Dated as of August 1, 2004.

LESSOR:

WILDCAT FARMS, L.L.C., an
Arizona limited liability company

By: Carol Wuertz Behrens
Its: Member

WUERTZ FARMING LIMITED CO., an
Arizona limited liability partnership

By: Carol Wuertz Behrens
Its: Member

LESSEE:

WOODRUFF WATER COMPANY, an Arizona corporation

By: _____
Karl Polen
Its: Vice President

Exhibit A

Legal Description

Legal Description

A parcel of land located in the southeast quarter of section 14 and the northeast quarter of Section 23, Township 5 South, Range 7 East, of the Gila and Salt River Base and Meridian, Pinal County, Arizona more particularly described as follows:

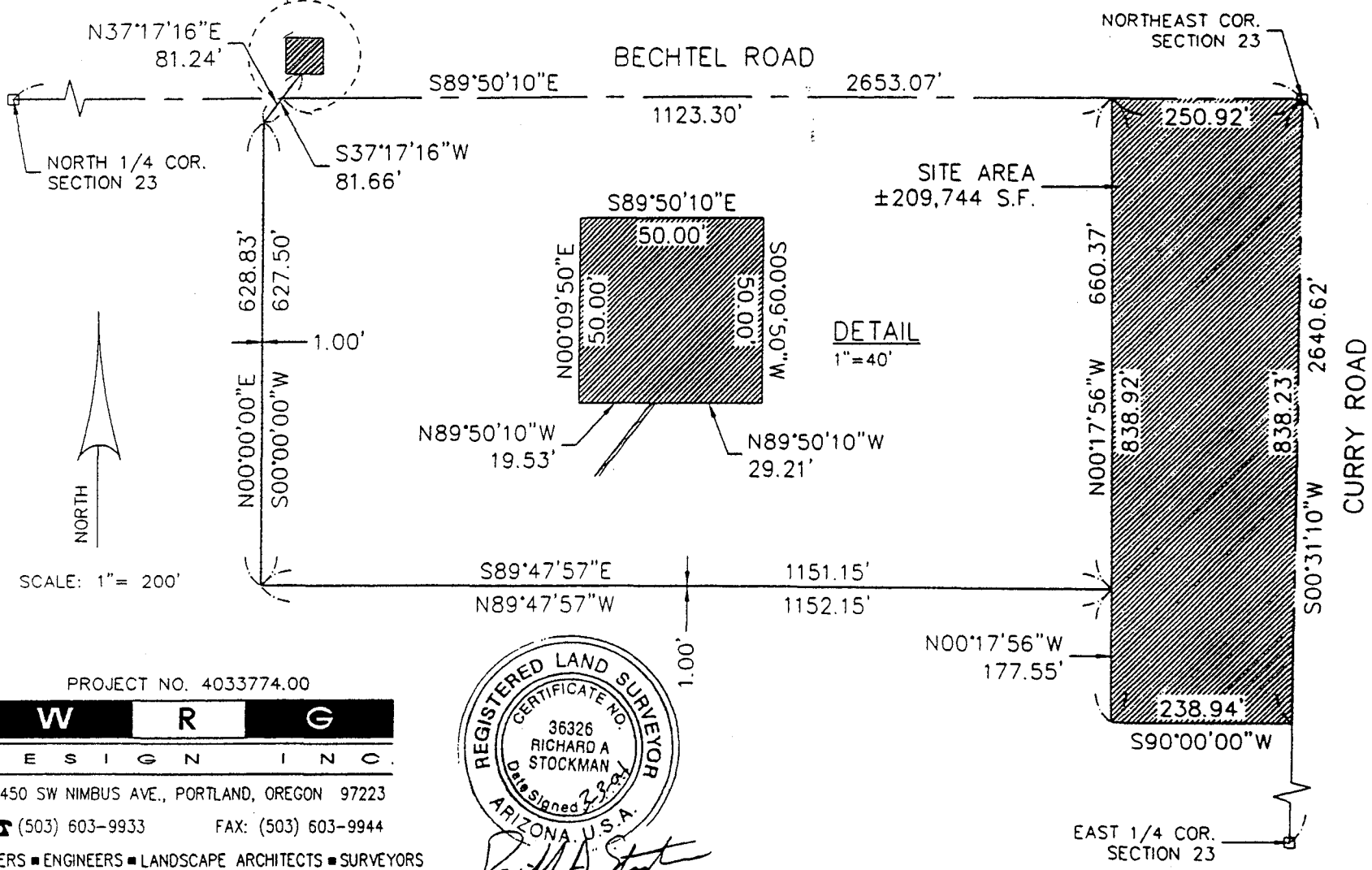
Beginning at a found ½" iron rod in concrete marking the northeast corner of Section 23;
Thence S 00°31'10" W 838.23 feet, along the east line of the northeast quarter of said Section 23, to a point;
Thence S 90°00'00" W 238.94 feet, to a point;
Thence N 00°17'56" W 177.55 feet, to a point;
Thence N 89°47'57" W 1152.15 feet, to a point;
Thence N 00°00'00" E 628.83 feet, to a point;
Thence N 37°17'16" E 81.24 feet, to a point;
Thence N 89°50'10" W 19.53 feet, to a point;
Thence N 00°09'50" E 50.00 feet, to a point;
Thence S 89°50'10" E 50.00 feet, to a point;
Thence S 00°09'50" W 50.00 feet, to a point;
Thence N 89°50'10" W 29.21 feet, to a point;
Thence S 37°17'16" W 81.66 feet, to a point;
Thence S 00°00'00" W 627.50 feet, to a point;
Thence S 89°47'57" E 1151.15 feet, to a point;
Thence N 00°17'56" W 660.37 feet, to a point on the north line of said northeast quarter of Section 23;
Thence along said north line S 89°50'10" E 250.92 feet, to the **Point of Beginning**.

Containing 209,744 square feet or 4.815 acres more or less.

REGISTERED LAND SURVEYOR
CERTIFICATE NO.
36326
RICHARD A
STOCKMAN
Date Signed 3-3-04
ARIZONA, U.S.A.

EXHIBIT

A PARCEL OF LAND LOCATED IN THE SOUTHEAST QUARTER OF SECTION 14 AND THE NORTHEAST QUARTER OF SECTION 23, TOWNSHIP 5 SOUTH, RANGE 7 EAST, OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA.



REGISTERED LAND SURVEYOR
CERTIFICATE NO. 36326
RICHARD A STOCKMAN
Date Signed 7-3-91
ARIZONA, U.S.A.

PROJECT NO. 4033774.00

W R G
DESIGN INC.
10450 SW NIMBUS AVE., PORTLAND, OREGON 97223
(503) 603-9933 FAX: (503) 603-9944
PLANNERS ■ ENGINEERS ■ LANDSCAPE ARCHITECTS ■ SURVEYORS

Exhibit B

Certificate of the Appurtenant Water Right

TO COME

CONCEPTUAL
MASTER POTABLE WATER PLAN
FOR
SANDIA MASTER PLANNED COMMUNITY

August 18, 2004
WP #042127.05

Prepared for:

Pivotal Group, Inc.
The Esplanade
2555 East Camelback Road, Suite 700
Phoenix, Arizona 85016
Phone: (602) 956-7200
Fax: (602) 956-2313
Website: *www.pivotalgroup.com*

Prepared by:

Wood, Patel & Associates, Inc.
2051 West Northern Avenue
Suite 100
Phoenix, Arizona 85021
Phone: (602) 335-8500
Fax: (602) 335-8580
Website: *www.woodpatel.com*

Registered Professional Engineer (Civil)
CERTIFICATE NO.
24443
GORDON W.R.
WARK
Date Signed
ARIZONA, U.S.A.

Engineer

Peer Reviewer

WWC-10
Admitted

TABLE OF CONTENTS

1.0 INTRODUCTION 1

2.0 DESIGN CRITERIA / OVERALL DEMAND 2

3.0 RAW WATER SOURCE 4

4.0 RAW WATER SUPPLY 5

5.0 WATER TREATMENT 6
- 5.1 Arsenic Removal 6
- 5.2 Disinfection 7

6.0 POTABLE WATER STORAGE 7

7.0 BOOSTER PUMP STATIONS 9

8.0 MASTER POTABLE WATER DISTRIBUTION SYSTEM 10

9.0 CONSTRUCTION PHASING AND IMPLEMENTATION SCHEDULE 11
- 9.1 Phase 1 11
- 9.2 Phase 2 11
- 9.3 Phase 3 11

10.0 CONCLUSIONS 12

APPENDICES

Appendix A — Table 1: Water Demand Calculations

Appendix B — Estimated Conceptual Construction Costs for Phase 1

Appendix C — References

EXHIBITS

Exhibit 1 — Vicinity Map

Exhibit 2 — Conceptual Water Source and Supply System

Exhibit 3 — Conceptual Master Water Distribution System

Exhibit 4 — Phased Conceptual Master Distribution System

Registered Professional Engineer (Civil) CERTIFICATE NO. 24443 GORDON W.R. WARK Date Signed 8/12/04 ARIZONA, U.S.A.

km
Y:\WP\Reports\Residential\042127 Sandia Master Plan Draft.doc

1.0 INTRODUCTION

This Conceptual Master Potable Water Plan for Sandia has been prepared to support the Arizona Corporation Commission application for approval of a private utility company to service the Sandia development. The intent of this conceptual plan is to identify the locations and sizes of the proposed water infrastructure needed to provide potable water service to the development at full build-out conditions. The components of the water infrastructure discussed throughout this report include wells, transmission lines, storage tanks, treatment facilities, booster pumps, and distribution lines. This report also includes a detailed cost estimate of the Phase 1 proposed water infrastructure and construction phasing for the system components.

Sandia is located in Pinal County and lies in Sections 13, 14, 23, 24, and 25 of Township 5 South, Range 7 East, of the Gila and Salt River Meridian. An application for annexation into the City of Coolidge has been submitted to the City of Coolidge. The development is generally located south of Highway 87 and east of the Gila River Indian Community. The site is bounded to the west by Signal Peak Road, to the south by Woodruff Road, to the east by MacRae Road, and to the north by the London Road alignment. Exhibit 1 provides a vicinity map for the property.

Sandia is planned to be an approximate 3,200-acre Planned Area Development (PAD) that will allow for approximately 12,000 residential dwelling units and community/commercial development throughout three (3) phases.

The proposed water system will operate in one pressure zone, as the existing site consists of farmland with minimal change in elevation across the entire property.

2.0 DESIGN CRITERIA / OVERALL DEMAND

According to the draft entitlement land plan for the Sandia development provided by GREEY PICKETT, the projected population for the total project totals 27,830. The Phase 1 development is estimated at 5,267, Phase 2 is estimated at 15,223, and Phase 3 is estimated at 7,337. This equates to an average of approximately 2.32 persons per dwelling unit. The water supply and distribution system discussed in this report has been designed to accommodate these projected populations.

The water demand criteria established for the Sandia development is consistent with the requirements set by the *Arizona Administrative Code, Title 18* and with *ADEQ Bulletin No. 10.* Please refer to Appendix C for these agency standards. The following is a summary of the major criteria utilized:

1. The average water demand for an ***executive or primary residence*** is ***440*** gallons per day (gpd), based on an average water demand of ***160*** gpd/person, and a density of ***2.75*** persons/executive or primary residence.

2. The average water demand for a ***small or cluster residence*** is ***275*** gallons per day (gpd), based on an average water demand of ***110*** gpd/person, and a density of ***2.5*** persons/small or cluster residence.

3. The average water demand for an ***active adult residence*** is ***180*** gallons per day (gpd), based on an average water demand of ***100*** gpd/person, and a density of ***1.8*** persons/active adult residence.

4. The average water demand for an ***elementary school*** is ***35*** gpd/student.

5. The average water demand for ***community*** land use (day care, worship site, public facility) is ***1,500*** gpd/acre.

6. The average water demand for ***commercial*** land use is ***2,500*** gpd/acre.

7. The maximum day demand is ***1.80*** times the average day demand.

8. The peak hour demand is *3.5* times the average day demand.

9. The fire flow demand for residential land use is ***1,500*** gallons per minute (gpm), and for commercial land use is ***3,000*** (gpm).

The potable water demand calculations for the total development are found under Appendix A - *Table 1: Water Demand Calculations*. The total average daily flow (ADF) is 2,792 (gpm), the total maximum-daily flow (MDF) is 5,025 (gpm), and the total peak-hour flow (PHF) is 9,771 (gpm). This demand is allocated to each of the three phases as follows:

Phase	ADF (gpm)	ADF (MGD)	MDF (gpm)	MDF (MGD)	PHF (gpm)
1	659	0.95	1,187	1.71	2,308
2	1,620	2.33	2,917	4.20	5,671
3	513	0.74	921	1.33	1,792
Total	**2,792**	**4.02**	**5,025**	**7.24**	**9,771**

3.0 RAW WATER SOURCE

The raw water source for the Sandia development will be provided by a series of existing and future groundwater wells. Please refer to Exhibit 2: *Conceptual Water Source and Supply System* for the locations of the existing wells and potential locations for future wells. The existing wells are currently used for farm irrigation.

Based on the preliminary analysis of ground-water samples collected at Sandia by Southwest Ground-water Consultants, Inc., the following is a summary of the estimated pumping flow rates for the sampled wells:

Well #905	1,200 (gpm)
Well #1065	1,200 (gpm)
Well #1075	1,200 (gpm)
Well #1096	1,200 (gpm)
Well #1100	1,200 (gpm)
Well #1110	1,200 (gpm)
Total	***7,200 (gpm)***

Five of the six wells will be required to deliver the maximum-daily flow of 5,025 (gpm) for the development at full build-out conditions. The sixth well is required to serve as a back-up water source in the event that the highest production well is out of service. This supplemental water source is required to deliver 1,200 (gpm).

Two of the six wells (Well #1065 and Well #1075) will be required to deliver the maximum-daily flow of 1,187 (gpm) for the Phase 1 development. Either of these wells is capable of serving as the supplemental water source during the well-failure scenario.

The estimated cost for the development of the Phase 1 wells totals $1,710,000. The breakdown of this cost is listed under the *Groundwater Wells* section in Appendix B – *Estimated Conceptual Construction Costs for Phase 1.*

4.0 RAW WATER SUPPLY

The raw water supply for Sandia consists of a series of raw water transmission lines that deliver well water from the production wells to the water treatment and storage facility. Please refer to Exhibit 2: *Conceptual Water Source and Supply System* for the location of the transmission lines and water facility.

The water supply mains required for Phase 1 are 12-inch and 24-inch diameter ductile iron pipe that extends from Well #1075 to the water treatment and storage facility.

The estimated cost of the transmission lines required for Phase 1 totals $306,100. The break-down of this cost is listed under *the Water Supply Mains* section in Appendix B – *Estimated Conceptual Construction Costs for Phase 1.*

5.0 WATER TREATMENT

5.1 Arsenic Removal

The current allowable maximum contaminant level (MCL) for arsenic in drinking water is 50 micrograms per liter (μg/L). This MCL will remain in effect until January 23, 2006, at which time the arsenic MCL will be reduced to 10 μg/L.

Preliminary analytical results for groundwater samples collected at Sandia indicate the presence of arsenic. In order to provide acceptable levels of water quality to Sandia, provisions may be needed for arsenic removal or reductions in arsenic concentrations.

Potential Non-Treatment Options to reduce arsenic levels in the water system include the following:

- Blending higher-quality water with lower-quality water
- Modifying water sources
- Connecting to existing water systems

Potential Treatment Options for arsenic removal include the following:

- Reverse Osmosis
- Ion Exchange
- Iron & Activated Alumina Media
- Iron-Based Media
- Coagulation with Filtration

Reverse osmosis and ion-exchange processes have hazardous waste issues that must be addressed, and are not given further consideration at this point. Systems using iron media, and the coagulation/filtration system do not typically generate hazardous waste, but require backwash tanks and the removal of non-hazardous sludge. The coagulation/filtration system may require a larger site area due to increased equipment sizes when compared to the iron media systems.

Preliminary cost estimates are provided for potential systems with capacities to treat 1.0 million-gallons per day (MGD) of water with elevated levels of arsenic. At this point, it is assumed that water demands above 1.0 MGD will be met by conveying higher-quality water from additional wells, or by blending.

The estimated cost for the arsenic treatment system is preliminarily estimated to be $819,340. The break-down of this cost is listed under the *Water Quality Section* in Appendix B – *Estimated Conceptual Construction Costs for Phase 1.*

5.2 Disinfection

To maintain acceptable levels of water quality in the proposed storage tanks and water distribution system, disinfection will likely be required. The following may be incorporated into the design:

- Chlorine injection system with containment vessels
- On-line monitoring of chlorine residual and nitrates
- Recirculation piping and pumps at each tank
- Interior baffling systems in each tank to facilitate turnover and eliminate short-circuiting

The estimated cost of the chlorine disinfection system is preliminarily estimated to be $207,100. The break-down of this cost is listed under the *Water Quality Section* in Appendix B – *Estimated Conceptual Construction Costs for Phase 1.*

6.0 POTABLE WATER STORAGE

The storage tanks required to store the potable water for Sandia are sized to store the average-daily flow of 4.02 million gallons per day (MGD). To accommodate the construction timing and phasing schedule for the total development, the 4.02 MGD storage requirement will be divided into two tanks, herein referred to as Tank A and Tank B. Please refer to the construction phasing and implementation section of this report.

Tank A will be designed to store 2.01 MGD, based on the average-daily flow required for the Phase 1 and Phase 3 developments. Tank B will be designed to store 2.01 MGD, based on the average-daily flow required for the Phase 2 development.

The estimated cost for the development of the water storage tank for Phase 1 (Tank A) totals $664,000. The break-down of this cost is listed under the *Water Plant and Booster Pump Station* section in Appendix B – *Estimated Conceptual Construction Costs for Phase 1.*

7.0 BOOSTER PUMP STATIONS

The booster pump station configuration will be designed to deliver the minimum-hour, average-daily, maximum-daily, peak-hour, and maximum-daily-plus-fire flows to Sandia at full build-out conditions. This pump configuration will consist of a total of six (6) variable speed pumps, combined with a 5,000 gallon surge tank that will pump potable water through the distribution system at flow rates between 600 gpm and 3,000 gpm. A seventh pump having a maximum flow rate of 3,000 gpm will also be required as a standby pump for the pumping station.

The maximum-daily plus fire flow demand for the Phase 1 development requires two (2) 600 (gpm) and two (2) 1,500 (gpm) booster pumps. One of the 1,500 (gpm) pumps will serve as the stand-by pump for the duration of Phase 1.

The estimated cost for the development of the pumping station for Phase 1 totals $593,500. The break-down of this cost is listed under the *Water Plant and Booster Pump Station* section in Appendix B – *Estimated Conceptual Construction Costs for Phase 1.*

8.0 MASTER POTABLE WATER DISTRIBUTION SYSTEM

The master potable water distribution system for Sandia preliminarily consists of a 16-inch and 20-inch diameter waterline loop to be constructed in the major arterials. A 12-inch water lateral will run parallel to the canal and connect to this loop. Additional 12-inch water lines will branch from the main loop and extend into the collector roadways. Please refer to Exhibit 3 – *Conceptual Master Water Distribution Plan* for the layout of this system. The conceptual water system will operate in one pressure zone and will maintain system pressures between 60 and 80-psi under average-daily, maximum-daily, and peak-hour conditions.

The water distribution mains required for Phase 1 consist of approximately 17,000 total linear feet of 20-inch, 16-inch, and 12-inch diameter waterlines. Please refer to Exhibit 4 – *Phased Conceptual Water Master Plan* for the location and sizing of the Phase 1 distribution mains.

The estimated cost for the development of the distribution system for Phase 1 totals $2,142,200. The break-down of this cost is listed under the *Water Distribution Mains* section in Appendix B – *Estimated Conceptual Construction Costs for Phase 1.*

9.0 CONSTRUCTION PHASING AND IMPLEMENTATION SCHEDULE

A phased potable water system has been developed based on the land-use phasing for Sandia. Phase 1 consists of parcels located primarily west of the canal, while Phase 2 encompasses the remainder of the property north of Kenilworth Road. Phase 3 may develop as an Active Adult Community located in the southern portion of the development. The phasing of the water system components is discussed below, and Exhibit 4 – *Phased Conceptual Water Master Plan* illustrates the sizing and conceptual locations of the water system components required for each phase.

9.1 Phase 1

The Phase 1 water system will require the production of Well #1065, Well #1075, and transmission lines that extend from each well to the water treatment and storage facility. Construction of a chlorination treatment and monitoring system will be required in full. Per pending legislation, arsenic treatment will be required in January 2006. Depending on the actual timing of construction, a portion of the arsenic treatment system may be required for the first phase of development. A 2.01 MGD tank (Tank A), four (4) booster pumps, and a portion of the 20-inch and16-inch water loop will be required to store and deliver the potable water to the Phase 1 development.

9.2 Phase 2

The Phase 2 water system will require the production of Well #1096, Well #1110, and Well #1650, and transmission lines that extend from each well and connect to the 24-inch transmission line constructed with Phase 1. Depending on the actual timing of construction, initial production or expansion of the arsenic treatment facility will be required. Additional requirements for the Phase 2 community include a 2.01 MGD tank (Tank B), two (2) booster pumps, the completion of the 20-inch and 16-inch water loop, and the 12-inch water lateral that runs adjacent to the Southside Canal.

9.3 Phase 3

The major water system components required for the Phase 3 development are the production of Well #905, the seventh booster pump, and the completion of the arsenic treatment facility. The distribution system for Phase 3 will consist of a waterline to loop through the potential active adult community.

10.0 CONCLUSIONS

Sandia is capable of acquiring potable water through the proposed potable water system outlined in this report. This potable water system will operate in one pressure zone and will maintain service pressures between 60 and 80-psi. Potable water is supplied to the development by a series of six (6) groundwater wells and transmission lines, a water treatment facility, two (2) storage tanks with an overall storage capacity of 4.02 MGD, seven (7) booster pumps, and a network of distribution lines that provide potable water service to 12,000 proposed residential dwelling units, and commercial and community land uses within the development. The estimated conceptual construction cost for the water supply, storage, treatment, pumping, and distribution system for Phase 1 only totals $7,572,000. Please refer to Appendix B for a summary of this cost.

APPENDIX A

Table 1: Water Demand Calculations

WOOD/PATEL

Table 1: Water Demand Calculations for Entitlement Plan

Project: *S A N D I A*
Location: *City of Coolidge, Arizona*
Date: *38198.0*
References: *Arizona Department of Environmental Quality*

CIVIL ENGINEERS • HYDROLOGISTS • LAND SURVEYORS • CONSTRUCTION MANAGERS

Project Number: 042127 05
Project Engineer: Gordon Wark, P.E.

								RESIDENTIAL								NON-RESIDENTIAL											
									SINGLE FAMILY		MULTIPLE FAMILY				ACTIVE ADULT		SCHOOL		COMMUNITY		COMMERCIAL		INDUSTRIAL					
WATERCAD NODE	ELEV.	PARCEL	ACRES	PHASE	VILLAGE	LAND USE	DENSITY (DU/AC)	PRIMARY & EXECUTIVE RESIDENCE	ADF/ UNIT (GPD)	SMALL & CLUSTER LOTS	ADF/ UNIT (GPD)	APT.	ADF/ UNIT (GPD)	ACTIVE ADULT	ADF/ UNIT (GPD)	# OF STUDENTS	ADF/ STUDNET (GPD)	AREA (AC.)	ADF/ AC. (GPD)	AREA (AC.)	ADF/ AC. (GPD)	AREA (AC.)	ADF/ AC. (GPD)	AVERAGE DAY FLOW (GPD)	AVERAGE DAY FLOW (GPM)	MAX DAY FLOW (GPM)	PEAK HOUR FLOW (GPM)
J-010	1,365	1.34	37.2	2	1	Primary Residence	4.4	163	440															71,720	49.8	89.7	174.3
J-010	1,365	1.33	2.6	1	1	Public Facility																		2,600	1.8	3.3	6.3
J-010	1,365	1.35	30.6	1	1	Executive Residence	2.9	88	440													2.6	1,000	38,720	26.9	48.4	94.1
J-020	1,365	1.37	31.5	1	1	Primary Residence	4.4	138	440															60,720	42.2	75.9	147.6
J-030	1,365	1.40	26.9	1	1	Small Lot	6.0			162	275													44,550	30.9	55.7	108.3
J-030	1,365	1.39	25.5	1	1	Small Lot	6.0			154	275													42,350	29.4	52.9	102.9
J-040	1,366	1.41	15.2	1	1	Primary Residence	4.4	67	440															29,260	20.3	36.6	71.1
J-040	1,366	1.38	32.5	1	1	Primary Residence	4.4	142	440															62,480	43.4	78.1	151.9
J-050	1,364	1.41	15.2	1	1	Primary Residence	4.4	67	440															29,260	20.3	36.6	71.1
J-050	1,364	1.42	25.9	2	1	Small Lot	6.0			158	275													42,900	29.8	53.6	104.3
J-060	1,362	1.43	4.1	2	1	Worship Site												4.1	1,500					6,150	4.3	7.7	14.9
J-060	1,362	1.44	40.1	1	1	Primary Residence	4.4	176	440															77,440	53.8	96.8	188.2
J-060	1,362	1.45	23.4	2	1	Cluster Lots	9.5			222	275													61,050	42.4	76.3	148.4
J-060	1,362	1.46	15.0	1	1	Elementary School										4,600	35							161,000	111.8	201.3	391.3
J-070	1,379	1.47	20.6	2	1	Apartment	22.6					465	220											102,300	71.0	127.9	248.6
J-080	1,379	1.8	36.0	1	1	Park/Recreation Center																					
J-080	1,379	1.48	7.3	2	1	Commercial												5.0	1,500					7,500	5.2	9.4	18.2
J-080	1,379	1.2	4.0	2	1	Worship Site														7.3	2,500			18,250	12.7	22.8	44.4
J-090	1,379	1.48	7.3	2	1	Commercial												4.0	1,500					6,000	4.2	7.5	14.6
J-090	1,379	1.1	20.4	2	1	Cluster Lots	9.5			194	275									7.3	2,500			18,250	12.7	22.8	44.4
J-100	1,378	1.3	3.2	2	1	Day Care												3.2	1,500					53,350	37.0	66.7	129.7
J-100	1,378	1.7	17.8	1	1	Small Lot	6.0			107	275													4,800	3.3	6.0	11.7
J-110	1,378	1.4	30.6	2	1	Small Lot	6.0			164	275													28,425	20.4	36.8	71.5
J-110	1,378	1.6	40.6	1	1	Primary Residence	4.4	176	440															50,600	35.1	63.2	123.0
J-120	1,380	1.9	12.7	1	1	Primary Residence	4.4	56	440															78,320	54.4	97.9	190.4
J-120	1,380	1.10	10.5	1	1	Primary Residence	4.4	46	440															24,640	17.1	30.8	59.9
J-130	1,382	1.11	25.9	1	1	W.W.T.F.																25.9	1,000	20,240	14.1	25.3	49.2
J-130	1,382	1.10	21.1	1	1	Primary Residence	4.4	92	440															25,900	18.0	32.4	63.0
J-130	1,382	1.12	24.7	2	1	Primary Residence	4.4	108	440															40,480	28.1	50.6	98.4
J-130	1,382	1.16	27.7	1	1	Small Lot	6.0			167	275													47,520	33.0	59.4	116.6
J-140	1,383	1.13	24.3	2	1	Primary Residence	4.4	106	440															45,925	31.9	57.4	111.6
J-140	1,383	1.15	33.8	2	1	Primary Residence	4.4	148	440															46,640	32.4	58.3	113.4
J-150	1,387	1.18	35.4	2	1	Primary Residence	4.4	155	440															65,120	45.2	81.4	158.3
J-150	1,387	1.19	25.6	2	1	Primary Residence	4.4	112	440															68,200	47.4	85.3	165.8
J-150	1,387	1.23	25.7	2	1	Primary Residence	4.4	113	440															49,280	34.2	61.6	119.8
J-150	1,387	1.25	19.9	2	1	Primary Residence	4.4	87	440															49,720	34.5	62.2	120.8
J-160	1,384	1.20	24.8	2	1	Primary Residence	4.4	109	440															38,280	26.6	47.9	93.0
J-160	1,384	1.22	29.2	2	1	Primary Residence	4.4	128	440															47,960	33.3	60.0	116.6
J-170	1,387	1.17	32.9	2	1	Executive Residence	2.9	95	440															56,320	39.1	70.4	136.9
J-170	1,387	1.27	12.6	2	1	Executive Residence	2.9	37	440															41,800	29.0	52.3	101.6
J-180	1,391	1.24	35.8	2	1	Primary Residence	4.4	157	440															18,060	11.2	20.1	39.0
J-180	1,391	1.25	19.9	2	1	Primary Residence	4.4	87	440															69,080	48.0	86.4	167.9
J-190	1,391	1.27	12.6	2	1	Executive Residence	2.9	37	440															38,280	26.6	47.9	93.0
J-200	1,394	2.1	22.9	2	2	Small Lot	6.0			136	275													18,060	11.2	20.1	39.0
J-200	1,394	2.2	24.1	2	2	Primary Residence	4.4	106	440															37,950	26.4	47.4	92.2
J-200	1,394	2.6	30.3	2	2	Primary Residence	4.4	133	440															46,640	32.4	58.3	113.4
J-210	1,396	2.7	38.5	2	2	Primary Residence	4.4	168	440															58,520	40.6	73.2	142.2
J-210	1,396	2.9	34.1	2	2	Primary Residence	4.4	148	440															74,360	51.6	93.0	180.7
J-210	1,396	2.10	16.9	2	2	Elementary School										2,537	35							65,560	45.5	82.0	159.3
J-220	1,386	2.3	42.1	2	2	Primary Residence	4.4	184	440															88,796	61.7	111.0	215.8
J-220	1,386	2.5	48.4	2	2	Primary Residence	4.4	212	440															80,960	56.2	101.2	196.8
J-230	1,396	2.12	30.7	2	2	Commercial														30.7	2,500			93,280	64.8	116.6	226.7
J-240	1,397	2.13	23.8	2	2	Mixed Use	2.5	59	440															76,750	53.3	95.9	186.5
J-240	1,397	2.14	22.5	2	2	Mixed Use	2.5	56	440															25,990	18.0	32.5	63.1
J-250	1,396	2.15	22.3	2	2	Small Lots	6.0			134	275													24,640	17.1	30.8	59.9
J-250	1,398	2.16	27.5	2	2	Cluster Lots	9.5			261	275													36,850	25.6	46.1	89.6
J-260	1,396	2.17	31.0	2	2	Small Lots	6.0			187	275													71,775	49.8	89.7	174.5
J-260	1,396	2.18	19.0	2	2	Apartment	22.5					426	220											51,425	36.7	64.3	125.0
J-270	1,396	3.1	465.3	3	3	Active Adult	4.4							2,038	180									94,160	65.4	117.7	229.9
J-280	1,393	2.20	37.3	2	2	Small Lots	6.0			226	275													365,840	254.8	458.8	891.6
																								61,875	43.0	77.3	150.4

R:\2004\042127 05\Water\Entitlement_Demand_no_Reclaim_5_16_04.xls | Model

								RESIDENTIAL									NON-RESIDENTIAL											
								SINGLE FAMILY		MULTIPLE FAMILY				ACTIVE ADULT		SCHOOL		COMMUNITY		COMMERCIAL		INDUSTRIAL						
WATERCAD NODE	ELEV.	PARCEL	ACRES	PHASE	VILLAGE	LAND USE	DENSITY (DU/AC)	PRIMARY & EXECUTIVE RESIDENCE	ADF/ UNIT (GPD)	SMALL & CLUSTER LOTS	ADF/ UNIT (GPD)	APT.	ADF/ UNIT (GPD)	ACTIVE ADULT	ADF/ UNIT (GPD)	# OF STUDENTS	ADF/ STUDNET (GPD)	AREA (AC.)	ADF/ AC. (GPD)	AREA (AC.)	ADF/ AC. (GPD)	AREA (AC.)	ADF/ AC. (GPD)	AVERAGE DAY FLOW (GPD)	AVERAGE DAY FLOW (GPM)	MAX DAY FLOW (GPM)	PEAK HOUR FLOW (GPM)
J-290	1,391	2.21	37.2	2	2	Primary Residence	4.4	163	440															71,720	49.8	89.7	174.3
J-290	1,391	2.23	32.6	2	2	Executive Residence	2.9	94	440															41,360	28.7	51.7	100.5
J-300	1,391	3.1	465.3	3	3	Active Adult	4.4							2,036	180									366,640	254.8	458.6	891.6
J-310	1,385	1.28	15.1	1	1	Primary Residence	4.4	66	440															29,040	20.2	36.3	70.6
J-320	1,388	2.24	41.7	2	2	Executive Residence	2.9	120	440															52,800	36.7	66.0	128.3
J-320	1,388	3.2	2.6	3	3	Public Facility												2.5	1,500					3,750	2.6	4.7	9.1
J-330	1,387	1.28	15.1	1	1	Primary Residence	4.4	66	440															29,040	20.2	36.3	70.6
J-330	1,387	1.29	22.0	1	1	Small Lots	6.0			132	275													36,300	25.2	45.4	88.2
J-330	1,387	1.30	39.0	2	1	Executive Residence	2.9	112	440															49,280	34.2	61.6	119.8
J-340	1,387	1.31	27.1	1	1	Executive Residence	2.9	78	440															34,320	23.8	42.9	83.4
J-340	1,387	1.32	25.9	2	1	Small Lots	6.0			156	275													42,900	29.8	53.6	104.3
			2628.6					4,457	440	2,579	275	693	220	4,078	180	7,137	35	18.8	1,500	46.3	2,500	28.5	1,000	4,020,190	2,792	5,026	9,771
	Village	1	1112.8					3,012		1,634		465				4,600		16.3		14.6		28.5		2,127,380	1,477	2,659	5,171
		2	582.7					1,445		945		428				2,537				30.7				1,155,380	802	1,444	2,806
		3	933.0											4,078				2.5						737,430	512	922	1,792
	Total		2628.5					4,457		2,579		693		4,078		7,137		18.8		45.3		28.5		4,020,190	2,792	5,026	9,771
	Phase	1	506.6					1,259		722						4,600		5.0				28.5		949,510	659	1,187	2,308
		2	1188.9					3,198		1,857		693				2,537		11.3		45.3				2,333,250	1,620	2,917	5,671
		3	933.0											4,078				2.5						737,430	512	922	1,792
	Total		2628.5					4,457		2,579		693		4,078		7,137		18.8		46.3		28.5		4,020,190	2,792	5,026	9,771

APPENDIX B

Estimated Conceptual Construction Costs for Phase 1

ESTIMATED CONCEPTUAL CONSTRUCTION COSTS FOR PHASE 1
SANDIA WATER SUPPLY, STORAGE, TREATMENT, PUMPING, AND DISTRIBUTION SYSTEM

SUMMARY - ITEMIZED LIST OF SYSTEM COMPONENTS			
COMPONENT	REMARKS	TOTAL COST	
Groundwater Wells	(2) Wells	$	1,710,000
Water Supply Mains	3,880 LF	$	306,100
Water Treatment	Equipment, Structure, Installation, Piping	$	1,026,440
Water Plant and Booster Pump Station	(1) 2.01 MG Tank, (4) Pumps, (1) Surge Tank	$	1,257,500
Water Distribution Mains	18,252 LF	$	2,142,200
Miscellaneous	Sitework, Walls, Office, Equipment	$	142,023
	SUBTOTAL	***$***	***6,584,263***
	CONTINGENCY (15%)	***$***	***987,639***
	TOTAL COST	***$***	***7,572,000***

GROUNDWATER WELLS						
DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST	
Copper Bearing Steel Cased Well	EA	2	$	500,000	$	1,000,000
Drilling and Equipping	EA	2	$	270,000	$	540,000
Well Pumps, Valves, Electrical Instrumentation, and Appurtenances	EA	2	$	85,000	$	170,000
GROUNDWATER WELLS SUBTOTAL					***$***	***1,710,000***

WATER SUPPLY MAINS						
DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST	
12" PC 350 DIP w/ Polywrap & fittings	LF	2,598	$	50	$	129,900
24" PC 200 DIP w/ Polywrap & fittings	LF	1,280	$	110	$	140,800
12" V. B. & C.	EA	4	$	1,200	$	5,000
24" V. B. & C.	EA	2	$	6,500	$	13,000
Air-Release Valve	EA	10	$	1,500	$	15,000
Adjust Valve Frame & Cover	EA	16	$	150	$	2,400
WATER SUPPLY MAINS SUBTOTAL					***$***	***306,100***

ESTIMATED CONCEPTUAL CONSTRUCTION COSTS FOR PHASE 1
SANDIA WATER SUPPLY, STORAGE, TREATMENT, PUMPING, AND DISTRIBUTION SYSTEM

WATER TREATMENT				
DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
Chlorination Equipment				
Chlorine Equipment	EA	1	$ 56,000	$ 56,000
Chlorine Equipment Installation	EA	1.2	$ 10,000	$ 12,000
Piping, Valves and Appurtenances	EA	1.2	$ 2,500	$ 3,000
Containment Equipment				$ -
ChlorTainer-Total Containment System w/ Loader	EA	1	$ 44,000	$ 44,000
Electronic Scale Upgrade	EA	1	$ 750	$ 750
Spare Parts Kit	EA	2	$ 2,000	$ 4,000
On-Site Consultation (Start-up & Training)	EA	1	$ 3,750	$ 3,750
Optional On-Site Consultation (Installation)	EA	1	$ 2,500	$ 2,500
1-Year Warranty/Service Contract	EA	1	$ 2,500	$ 2,500
Freight	EA	1	$ 900	$ 900
Installation	EA	1	$ 17,000	$ 17,000
Chlorine Equipment Structure				$ -
Shade / Ramada	EA	1	$ 5,000	$ 5,000
Safety Equipment	EA	1	$ 10,000	$ 10,000
Signs	EA	1	$ 2,000	$ 2,000
Piping and Appurtenances				$ -
Catch Basin	EA	1	$ 300	$ 300
4-inch PVC Drain	LF	5	$ 180	$ 900
48-inch Diameter Manhole	EA	1	$ 2,500	$ 2,500
Piping, Valves and Appurtenances	EA	1	$ 5,500	$ 5,500
Electrical Instrumentation (20%)	LS	1	$ 34,500	$ 34,500
CHLORINATION SYSTEM SUBTOTAL				***$ 207,100***
Arsenic Treatment System				
Booster Pumping/Straining	LS	1	$ 18,000	$ 18,000
Solids Handling	LS	1	$ 160,800	$ 160,800
Rapid Mixing	LS	1	$ 18,000	$ 18,000
Pressure Filters	LS	1	$ 360,000	$ 360,000
Chemical Feed Systems	LS	1	$ 11,700	$ 11,700
Building	LS	1	$ 51,840	$ 51,840
Piping, I&C, Electrical, Yard Piping Allowances	LS	1	$ 199,000	$ 199,000
ARSENIC TREATMENT SUBTOTAL				***$ 819,340***
WATER TREATMENT SUBTOTAL				***$ 1,026,440***

ESTIMATED CONCEPTUAL CONSTRUCTION COSTS FOR PHASE 1
SANDIA WATER SUPPLY, STORAGE, TREATMENT, PUMPING, AND DISTRIBUTION SYSTEM

WATER PLANT & BOOSTER PUMP STATION				
DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
Welded Steel Tanks				
2.0 MG Tanks	EA	1	$ 600,000	$ 600,000
Concrete Foundation Ring	EA	1	$ 15,000	$ 15,000
Cathodic Protection System	EA	1	$ 9,000	$ 9,000
Testing and Disinfection	EA	1	$ 25,000	$ 25,000
Startup and Commissioning	EA	1	$ 10,000	$ 10,000
Electrical Instrumentation	LS	1	$ 5,000	$ 5,000
WELDED STEEL TANKS SUBTOTAL				***$ 664,000***
Booster Pump Station				
Vertical Turbine Pumps and Motors (600 gpm, 50 HP)	EA	2	$ 35,000	$ 70,000
Vertical Turbine Pumps and Motors (1,500 gpm, 100 HP)	EA	2	$ 40,000	$ 80,000
5,000 gal Surge Tank w/ air compressor and control panel	EA	1	$ 18,000	$ 18,000
Pump Cans	EA	8	$ 5,000	$ 40,000
Discharge Piping, Valves and Appurtenances	EA	4	$ 30,000	$ 120,000
Pressure Relief Valve and Appurtenances	EA	1	$ 2,000	$ 2,000
Paint and Coatings	EA	1	$ 20,000	$ 20,000
Discharge Header and Appurtenances				$ -
24-inch Steel Pipe	LF	80	$ 150	$ 12,000
24-inch Fittings	LS	1	$ 30,000	$ 30,000
24-inch Butterfly Valves	EA	2	$ 8,500	$ 17,000
Appurtenances	EA	1	$ 5,000	$ 5,000
Paint and Coatings	EA	1	$ 20,000	$ 20,000
Electrical				
Power Supply	EA	1	**Not Included**	
Pump Installation	EA	1	$ 10,000	$ 10,000
Site Lighting	EA	1	$ 15,000	$ 15,000
Control Wiring and Conduit	EA	1	$ 5,000	$ 5,000
Stand-By Generation System	EA	1	$ 30,000	$ 30,000
Service Entrance Section	EA	2	$ 12,000	$ 24,000
VFD's	EA	1	$ 1,000	$ 1,000
General Lighting/Power	EA	1	$ 6,000	$ 6,000
Instrumentation				$ -
Level Probes and Relays	EA	4	$ 1,500	$ 6,000
Level Transmitter	EA	1	$ 2,500	$ 2,500
Flow Meter	EA	1	$ 15,000	$ 15,000
RTU Equipment	EA	1	$ 15,000	$ 15,000
Control Panel CP1	EA	1	$ 15,000	$ 15,000
Radio Telemetry	EA	1	$ 10,000	$ 10,000
Testing and Disinfection	EA	1	$ 5,000	$ 5,000
BOOSTER PUMP STATION SUBTOTAL				***$ 593,500***
WATER PLANT & BOOSTER PUMP STATION SUBTOTAL				***$ 1,257,500***

ESTIMATED CONCEPTUAL CONSTRUCTION COSTS FOR PHASE 1
SANDIA WATER SUPPLY, STORAGE, TREATMENT, PUMPING, AND DISTRIBUTION SYSTEM

WATER DISTRIBUTION MAINS				
DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
20" PC 350 DIP w/ Polywrap & fittings	LF	8,020	$ 100	$ 802,000
16" PC 350 DIP w/ Polywrap & fittings	LF	5,445	$ 80	$ 435,600
12" PC 350 DIP w/ Polywrap & fittings	LF	3,585	$ 60	$ 215,100
20" V. B. & C.	EA	41	$ 5,000	$ 205,000
16" V. B. & C.	EA	27	$ 3,500	$ 94,500
12" V. B. & C.	EA	17	$ 1,200	$ 20,400
2" Air Release Valve on 20" Pipe	EA	41	$ 1,500	$ 61,500
2" Air Release Valve on 16" Pipe	EA	27	$ 1,500	$ 40,500
2" Air Release Valve on 12" Pipe	EA	17	$ 1,500	$ 25,500
Fire Hydrant Complete on 20" Pipe	EA	41	$ 3,200	$ 131,200
Fire Hydrant Complete on 16" Pipe	EA	27	$ 2,600	$ 70,200
Fire Hydrant Complete on 12" Pipe	EA	17	$ 2,100	$ 35,700
Connect to ex. Waterline	EA	10	$ 500	$ 5,000
WATER DISTRIBUTION MAINS SUBTOTAL				***$ 2,142,200***

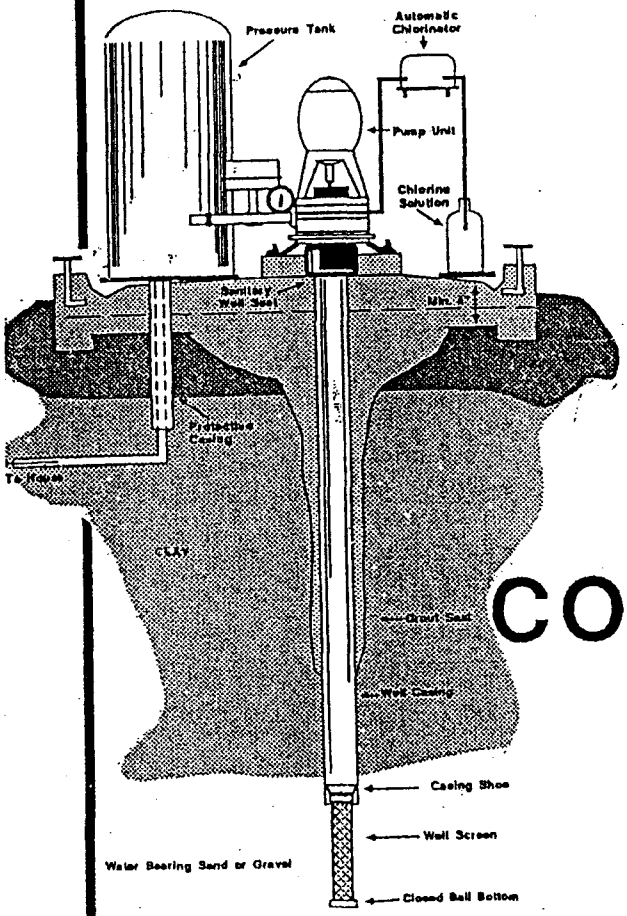
MISCELLANEOUS / SITEWORK				
DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
Clearing and Grubbing	AC	2	$ 1,500	$ 3,000
Site Grading	SY	1,984	$ 2	$ 3,968
Decomposed Granite (2" thick)	SY	1,210	$ 3	$ 3,630
AC Driveway (2.5" AC, 6" ABC)	SY	40	$ 60	$ 2,400
Perimeter Wall/Stucco/Paint (8' high)	LF	947	$ 75	$ 71,025
Sliding Gates (20')	EA	1	$ 5,000	$ 5,000
Hinged Doors	EA	2	$ 750	$ 1,500
Vehicle	EA	1	$ 1,500	$ 1,500
Office Facility, Furnishings, and Equipment	LS	1	$ 50,000	$ 50,000
MISCELLANEOUS / SITEWORK SUBTOTAL				***$ 142,023***

APPENDIX C

References

N0009

engineering bulletin no. 10



GUIDELINES FOR THE CONSTRUCTION OF WATER SYSTEMS

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

MAY 1978

3 of 3 Volumes

At the discretion of the Department, before approval, any new developments should have been thoroughly tested in full scale comparable installation, under competent supervision before approval of plans can be issued for a plant utilizing a new process or equipment, unless the person owning the water supply in question is amply protected by a performance bond or other acceptable arrangement, so that any expenditure of money will be refunded in case of failure of any new process or equipment. The owner of the water supply involved should agree in writing to revisions or rebuilding of permanent plant structures necessary to accommodate other treatment processes or equipment, after the original installation has been rejected. The performance bond should include provisions to cover the cost of such alterations. Pending the development of satisfactory performance data, no new water treatment processes will be accepted by the Department unless the designing engineer can present conclusive evidence that his plans provide for effective use of the processes to treat the specific supply involved, in order to insure the delivery of safe drinking water without imposing undue problems of supervision, operation and control.

R. WATER SYSTEM PLANNING CRITERIA

Development of a water system should be based on sound planning information. A comprehensive water system plan should be developed for new systems prior to design. Comprehensive plans for existing systems should be periodically reviewed to assure that minimum pressures can be met under all demand conditions. Pressure problems can develop when several extensions are made to existing system without consideration to the impact on the system as a whole.

Planning information is used to determine the local and overall system water demand. The demand in turn is used to size and design the major elements of the system, including the sources, pumping equipment, treatment processes, storage, and the distribution network. Each element should be of the proper size in relation to other elements and the system as a whole, based on required flows, pressures, and water quality. A balanced system based on uniform planning criteria is usually the most cost effective.

1. WATER SYSTEM DEMAND. Water demand is a schedule of water requirements. For the purpose of these bulletins, the water demand for a system is discussed under General Service Requirements, and Fire Protection Requirements.

   When a water system is to serve fire protection requirements, the system demand shall be computed by adding the required fire flow in gallons per minute for the specified duration to the general service requirements.

Water demand varies considerably throughout Arizona, and not always in a predictable or logical manner. An analysis of the elements making up the total water demand of a community should be made including, but not limited to, the following items: location, climate, type and character of community, air conditioning, metering practice, sewerage, cost of water, water quality, pressure on mains, and fire protection. Water availability is not always an indicator of water uses, although lack of water may place a constraint on future demand.

Water use records are an excellent basis for determining water demand. A good historical record of water use can indicate present use and trends for a specific area. Consumer meter records can be most useful in supplying historical data, and extensive information can be gained from source, treatment, and storage metering, particularly if continuous recording devices are used. Good records are vital in the separation of fire protection from general service uses.

2. GENERAL SERVICE REQUIREMENTS. General service requirements includes all water uses except fire protection. Such uses encompass water for drinking, cooking, cleansing, toilet flushing, lawn and garden irrigation, air conditioning, and commercial and industrial uses.

   The minimum general service requirement shall be 100 gallons per capita per day, or the quantity (average daily flow) historically required in the past. An "Adequacy of Water Supply Report" may also be used as a basis for design flow.

   Greater than minimum water requirements can result from more extensive than normal irrigation practices. Evaporative coolers and air conditioning cooling towers can significantly increase general service water requirements. Large increases can also result from special commercial and industrial practices.

3. FIRE PROTECTION REQUIREMENTS. The Arizona office of the State Fire Marshal is available to assist in planning fire protection. Rating criteria currently recognized by this office is covered by the documents entitled Grading Schedule for Municipal Fire Protection and Guide for Determination of Required Fire Flow. The documents are published by the Insurance Services Office (ISO), 160 Water Street, New York, New York 10038.

   Fire protection requirements, when used to determine water system demand, shall be in accordance with current criteria of the insurance services office, or other method acceptable to the Department.

The ISO grading schedule notes that "In order to be recognized for grading purposes, a water supply shall be capable of delivering at least 250 gpm for a period of 2 hours, or 500 gpm for one hour, for fire protection plus consumption at the maximum daily rate. Any water supply which cannot meet this minimum requirement shall not be graded". For the high extreme, required fire flow may reach 10,000 gpm for 10 hours duration or more in unusual cases.

4. FUTURE WATER SYSTEM DEMANDS. Land use is the preferred basis for estimating water system demands. It offers a systematic method for projecting population by area in determining general service requirements. Unless specific structure types are known, it also offers a good method for estimating fire protection requirements. The level of accuracy of land use information could range from known occupancy and structure type to platted subdivisions to zoning to generalized planning. Each level would offer less certain information. Generalized land use planning offers the least certain information, but is occasionally the best available information for projecting use. Considerable land use planning is being accomplished in Arizona, much of which is coordinated by the State Office of Economic Planning and Development. Groups engaged in land use planning include:

   - The Federal Government
   - The State of Arizona
   - Councils of Governments
   - Counties
   - Cities and Towns
   - Special Districts

   Land use plans of the agency with jurisdiction over the project area should be considered.

   Projections of population growth may also be desired to determine overall water system demand. Methods which may correlate with historical growth include:

   - Uniform growth rate
   - Decreasing growth rate
   - Graphical extension
   - Comparison with similar areas

TITLE 18. ENVIRONMENTAL QUALITY, ARIZONA ADMINISTRATIVE CODE
CHAPTER 4: DEPARTMENT OF ENVIRONMENTAL QUALITY
SAFE DRINKING WATER

7. A new sampling point is not eligible for reduced monitoring until three consecutive monitoring periods from the new sampling point have been completed.

Historical Note

Adopted effective April 28, 1995 (Supp. 95-2). Amended effective June 3, 1998 (Supp. 98-3). Amended effective December 8, 1998 (Supp. 98-4). Former Section R18-4-402 renumbered to R18-4-401; new Section R18-4-402 renumbered from R18-4-403 and amended by final rulemaking at 8 A.A.R. 973, effective February 19, 2002 (Supp. 02-1).

R18-4-403. Special Monitoring for Turbidity

Effective May 1, 2002, a surface water system serving at least 10,000 people that uses conventional filtration or direct filtration, shall conduct continuous turbidity monitoring on each individual filter.

1. The system shall record the results of individual filter monitoring every 15 minutes.
2. In the event of a failure in the continuous turbidity monitoring equipment, the system shall conduct grab sampling every four hours instead of continuous monitoring. The system shall conduct grab sampling for no more than five working days.
3. For an individual filter that has a measured turbidity level of greater than 1.0 NTU in two consecutive measurements collected 15 minutes apart, the system shall complete a filter profile within seven days of the event if the system is not able to identify an obvious reason for the abnormal filter performance.
4. For an individual filter that has a measured turbidity level of greater than 0.5 NTU in two consecutive measurements collected 15 minutes apart at or after four hours of continuous filter operation after the filter has been backwashed or otherwise taken offline, the system shall produce a filter profile within seven days of the event if the system is not able to identify an obvious reason for the abnormal filter performance.
5. For an individual filter that has a measured turbidity level of greater than 1.0 NTU in two consecutive measurements collected 15 minutes apart at anytime in each of three consecutive months, the system shall conduct a self-assessment of the filter within 14 days of the event. A self-assessment of a filter shall contain an assessment of filter performance, development of filter profile, identification and prioritization of factors limiting filter performance, assessment of the applicability of corrections, and preparation of a filter self-assessment report.
6. For an individual filter that has a measured turbidity level of greater than 2.0 NTU in two consecutive measurements collected 15 minutes apart at anytime in each of two consecutive months, the system shall arrange for a comprehensive performance evaluation to be conducted by the Department or a third party approved by the Department no later than 30 days after the event. A system shall make the modifications identified in a comprehensive performance evaluation report, except a system shall not implement a modification identified in a comprehensive performance evaluation if the Department determines that the modification does not improve the performance potential of the system.

Historical Note

Adopted effective April 28, 1995 (Supp. 95-2). Section repealed; new Section adopted effective June 3, 1998 (Supp. 98-3). Amended by final rulemaking at 7 A.A.R. 5067, effective October 16, 2001 (Supp. 01-4). Section R18-4-403 renumbered to R18-4-402 by final rulemaking at 8 A.A.R. 973, effective February 19, 2002 (Supp. 02-1). New Section made by final rulemaking at 8 A.A.R. 3046, effective May 1, 2002 (Supp. 02-3).

R18-4-404. Repealed

Historical Note

Adopted effective April 28, 1995 (Supp. 95-2). Amended effective December 8, 1998 (Supp. 98-4). Section repealed by final rulemaking at 8 A.A.R. 973, effective February 19, 2002 (Supp. 02-1).

R18-4-405. Repealed

Historical Note

Adopted effective April 28, 1995 (Supp. 95-2). Amended effective December 8, 1998 (Supp. 98-4). Section repealed by final rulemaking at 8 A.A.R. 973, effective February 19, 2002 (Supp. 02-1).

ARTICLE 5. MINIMUM DESIGN CRITERIA

R18-4-501. Siting Requirements

To the extent practicable, a new public water system or an extension to an existing public water system shall be geographically located to avoid a site which is:

1. Subject to a significant risk from earthquakes, floods, fires, or other disasters which could cause a breakdown of the public water system or portion thereof; or
2. Within the flood plain of a 100-year flood, except for intake structures and properly protected wells.

Historical Note

Adopted effective April 28, 1995 (Supp. 95-2).

R18-4-502. Minimum Design Criteria

A. A public water system shall be designed using good engineering practices. A public water system which is designed in a manner consistent with the criteria contained in Engineering Bulletin No. 10, "Guidelines for the Construction of Water Systems," issued by the Arizona Department of Health Services, May 1978 (and no future editions), which is incorporated herein by reference and on file with the Office of the Secretary of State, shall be considered to have been designed using good engineering practices. Other system

designs shall be approved if the applicant can demonstrate that the system will function properly and may be operated reliably in compliance with this Chapter. Minimum design criteria which are not subject to modification are listed in this Section.

B. A potable water distribution system shall be designed to maintain and shall maintain a pressure of at least 20 pounds per square inch at ground level at all points in the distribution system under all conditions of flow.

C. Water and sewer mains shall be separated in order to protect public water systems from possible contamination. All distances are measured perpendicularly from the outside of the sewer main to the outside of the water main. Separation requirements are as follows:
   1. A water main shall not be placed:
      a. Within 6 feet, horizontal distance, and below 2 feet, vertical distance, above the top of a sewer main unless extra protection is provided. Extra protection shall consist of constructing the sewer main with mechanical joint ductile iron pipe or with slip-joint ductile iron pipe if joint restraint is provided. Alternate extra protection shall consist of encasing both the water and sewer mains in at least 6 inches of concrete for at least 10 feet beyond the area covered by this subsection (C)(1)(a).
      b. Within 2 feet horizontally and 2 feet below the sewer main.
   2. No water pipe shall pass through or come into contact with any part of a sewer manhole. The minimum horizontal separation between water mains and manholes shall be 6 feet, measured from the center of the manhole.
   3. The minimum separation between force mains or pressure sewers and water mains shall be 2 feet vertically and 6 feet horizontally under all conditions. Where a sewer force main crosses above or less than 6 feet below a water line, the sewer main shall be encased in at least 6 inches of concrete or constructed using mechanical joint ductile iron pipe for 10 feet on either side of the water main.
   4. The separation requirements do not apply to building, plumbing, or individual house service connections.
   5. Sewer mains (gravity, pressure, and force) shall be kept a minimum of 50 feet from wells unless the following conditions are met:
      a. Water main pipe, pressure tested in place to 50 psi without excessive leakage, is used for gravity sewers at distances greater than 20 feet from water wells; or
      b. Water main pipe, pressure tested in place to 150 psi without excessive leakage, is used for pressure sewers and force mains at distances greater than 20 feet from water wells. "Excessive leakage" means any amount of leakage which is greater than that permitted under the AWWA Standard applicable to the particular pipe material or valve type.
   6. Requests for authorization to use alternate construction techniques, materials, and joints shall be reviewed by the Department, and such requests may be approved on a case-by-case basis.

D. A public water system shall not construct or add to its system a well which is located:
   1. Within 50 feet from existing sewers unless the sewer main has been constructed in accordance with subsection (C)(5)(a) or (b) of this Section;
   2. Within 100 feet of any existing septic tank or subsurface disposal system;
   3. Within 100 feet of a discharge or activity which is required to obtain an Individual Aquifer Protection Permit, pursuant to A.R.S. §§ 49-241(A) through 49-251;
   4. Within 100 feet of an underground storage tank as defined in A.R.S. § 49-1001(17); or
   5. Within 100 feet of hazardous waste facilities operated by large quantity generators and treatment, storage, and disposal facilities regulated under the Arizona Hazardous Waste Management Act, A.R.S. § 49-921 et seq.

Historical Note

Adopted effective April 28, 1995 (Supp. 95-2).

R18-4-503. Storage Requirements

A. The minimum storage capacity for a CWS or a noncommunity water system that serves a residential population or a school shall be equal to the average daily demand during the peak month of the year. Storage capacity may be based on existing consumption and phased as the water system expands.

B. The minimum storage capacity for a multiple-well system for a CWS or a noncommunity water system that serves a residential population or a school may be reduced by the amount of the total daily production capacity minus the production from the largest producing well.

Historical Note

Adopted effective April 28, 1995 (Supp. 95-2). Amended by final rulemaking at 8 A.A.R. 973, effective February 19, 2002 (Supp. 02-1).

R18-4-504. Prohibition on the Use of Lead Pipe, Solder, and Flux

Construction materials used in a public water system, including residential and non-residential facilities connected to the public water system, shall be lead-free as defined at R18-4-101. This Section shall not apply to leaded joints necessary for the repair of cast iron pipes.

Historical Note

Adopted effective April 28, 1995 (Supp. 95-2). Amended effective June 3, 1998 (Supp. 98-3). Amended by final rulemaking at 8 A.A.R. 973, effective February 19, 2002 (Supp. 02-1).

R18-4-505. Approval to Construct

A. The Department shall only approve an addition or a water main extension to a public water system that is in compliance with this Chapter or is making satisfactory progress towards compliance under a schedule approved by the Department. The Department shall approve a properly designed modification that can be expected to return a public water system to compliance.

B. A person shall not start to construct a new public water system, modify an existing facility, including an extension to an existing public water system, or make an alteration that will affect the treatment, capacity, water quality, flow, distribution, or operational performance of a public water system before receiving an Approval to Construct from the Department. Designing or consulting engineers may confer with the Department before proceeding with detailed designs of complex or innovative facilities. The following provisions shall apply:
   1. An application for Approval to Construct, including the following documents and data, shall be submitted to the Department:
      a. Detailed construction plans of the site and work to be done, presented in legible form and of sufficient scale, to establish construction requirements to facilitate effective review;
      b. Complete specifications to supplement the plans;
      c. A design report that describes the proposed construction and basis of design, provides design data and other pertinent information that defines the work to be done, and establishes the adequacy of the design to meet the system demand;
      d. Analyses of a proposed new source of water that include:
         i. Microbiological; physical; radiochemical; inorganic, organic, and volatile organic chemicals; and
         ii. Microscopic particulates if the source meets the criteria of R18-4-301.01.(A); and
      e. Other pertinent data required to evaluate the application for Approval to Construct.
   2. All plans, specifications, and design reports submitted for a public water system shall be prepared by, or under the supervision of, a professional engineer registered in Arizona and have the seal and signature of the engineer affixed to them, except that an engineer not registered in Arizona may design a water treatment plant or additions, modifications, revisions, or extensions, which include extensions to potable water distribution systems, if the total cost of the construction does not exceed $12,500 for material, equipment, and labor, as verified by a cost estimate submitted with plan documents.
   3. An existing public water system shall be exempt from the plan review requirements of this Article if the public water system is in compliance with this Chapter or is making satisfactory progress towards compliance under a schedule approved by the Department if the applicable structural revision, addition, extension, or modification:
      a. Has a project cost of twelve thousand five hundred dollars or less; or
      b. Is made to a water line that:
         i. Is not for a subdivision requiring plat approval by a city, town, or county;
         ii. Has a project cost of more than twelve thousand five hundred dollars but less than fifty thousand dollars; and
         iii. Has a design that is sealed and signed by a professional engineer registered in Arizona and the construction of which is reviewed for conformance with the design by a professional engineer registered in Arizona.
   4. Upon completion of a project exempt from the plan review requirements of this Article pursuant to subsection (C), the public water system shall submit a notice of compliance which contains:
      a. A fair market value cost estimate for the project,
      b. The name of the design engineer and the review engineer, and
      c. The project completion date and the total construction time.
C. The Department shall act upon a complete Approval to Construct application submitted for approval within 30 days after its receipt.
D. The Department shall issue an Approval to Construct only when the following conditions have been met:
   1. Plans and specifications submitted to the Department demonstrate that the proposed public water system reasonably can be expected to comply with this Chapter, including the MCLs in Article 2; and
   2. The water system is in compliance with this Chapter or reasonably can be expected to return to compliance with this Chapter as a result of the proposed construction.
E. An Approval to Construct becomes void if an extension of time is not granted by the Department within 90 days after the passage of one of the following:
   1. Construction does not begin within one year after the date the Approval to Construct is issued, or
   2. There is a halt in construction of more than one year, or
   3. Construction is not completed within three years after the date construction begins.

Historical Note

Adopted effective April 28, 1995 (Supp. 95-2). Amended by final rulemaking at 8 A.A.R. 973, effective February 19, 2002 (Supp. 02-1).

R18-4-506. Compliance with Approved Plans

All construction shall conform to approved plans and specifications. In order to make a change in an approved design that will affect water quality, capacity, flow, sanitary features, or performance, a public water system shall submit revised plans and specifications to the Department for review, together with a written statement regarding the reasons for the change. The public water system shall not proceed with the construction affected by the design change without written approval from the Department. Revisions not affecting water quality, capacity, flow, sanitary features, or performance may be permitted during construction without further approval if record drawings documenting these changes, prepared by a professional engineer registered in Arizona, are submitted to the Department under R18-4-508.

Historical Note

Adopted effective April 28, 1995 (Supp. 95-2). Amended by final rulemaking at 8 A.A.R. 973, effective February 19, 2002 (Supp. 02-1).

R18-4-507. Approval of Construction

A. A person shall not operate a newly constructed facility until an Approval of Construction is issued by the Department.

B. The Department shall not issue an Approval of Construction on a newly constructed public water system, an extension to an existing public water system, or any alteration of an existing public water system that affects its treatment, capacity, water quality, flow, distribution, or operational performance unless the following requirements have been met:
   1. A professional engineer registered in Arizona or a person under the direct supervision of a professional engineer registered in Arizona, has completed a final inspection and submitted a Certificate of Completion on a form approved by the Department to which the seal and signature of the professional engineer registered in Arizona have been affixed;
   2. The construction conforms to approved plans and specifications, as indicated in the Certificate of Completion, and all changes have been documented by the submission of record drawings under R18-4-508;
   3. An operations and maintenance manual has been submitted and approved by the Department if construction includes a new water treatment facility; and
   4. An operator, who is certified by the Department at a grade appropriate for each facility, is employed to operate each water treatment plant and the potable water distribution system.

C. The Department may conduct the final inspection required in subsection (B)(1), at a public water system's request, if both of the following notification requirements are met:
   1. The public water system notifies the Department at least seven days before beginning construction on a public water system installation, change, or addition that is authorized by an Approval to Construct; and
   2. The public water system notifies the Department of completion of construction at least 10 working days before the expected completion date.

Historical Note

Adopted effective April 28, 1995 (Supp. 95-2). Amended by final rulemaking at 8 A.A.R. 973, effective February 19, 2002 (Supp. 02-1).

R18-4-508. Record Drawings

A. A professional engineer registered in Arizona shall clearly and accurately record or mark, on a complete set of working project drawings, each deviation from the original plan and the dimensions of the deviation. The set of marked drawings becomes the record drawings, reflecting the project as actually built.

B. The professional engineer registered in Arizona shall sign, date, and place the engineer's seal on each sheet of the record drawings and submit them to the Department upon completion of the project. The record drawings shall be accompanied by an Engineer's Certificate of Completion, signed by the professional engineer registered in Arizona, and submitted on a form approved by the Department for any project inspected under R18-4-507(B).

C. Quality control testing results and calculations, including pressure and microbiological testing, and disinfectant residual records, shall be submitted with the Engineer's Certificate of Completion together with field notes and the name of the individual witnessing the tests.

Historical Note

Adopted effective April 28, 1995 (Supp. 95-2). Amended by final rulemaking at 8 A.A.R. 973, effective February 19, 2002 (Supp. 02-1).

R18-4-509. Modification to Existing Treatment Process

Before a public water system may make a modification to its existing treatment process, the public water system shall submit and obtain the Department's approval for a detailed plan that explains the proposed modifications and the safeguards that the public water system will implement to ensure that the quality of the water served by the system will not be adversely affected by the modification. The public water system shall comply with the provisions in the approved plans.

Historical Note

Adopted effective April 28, 1995 (Supp. 95-2). Amended by final rulemaking at 8 A.A.R. 973, effective February 19, 2002 (Supp. 02-1).

Appendix A. Repealed

Historical Note

Adopted effective April 28, 1995 (Supp. 95-2). Correction of word "sued" to "used" in subsection (71) (Supp. 96-1). Appendix A amended effective June 3, 1998 (Supp. 98-3). Appendix A repealed by final rulemaking at 8 A.A.R. 973, effective February 19, 2002 (Supp. 02-1).

Appendix B. Repealed

Historical Note

Adopted effective April 28, 1995 (Supp. 95-2). Appendix B repealed; new Appendix B renumbered from Appendix C without change effective June 3, 1998 (Supp. 98-3). Appendix B repealed by final rulemaking at 8 A.A.R. 973, effective February 19, 2002 (Supp. 02-1).

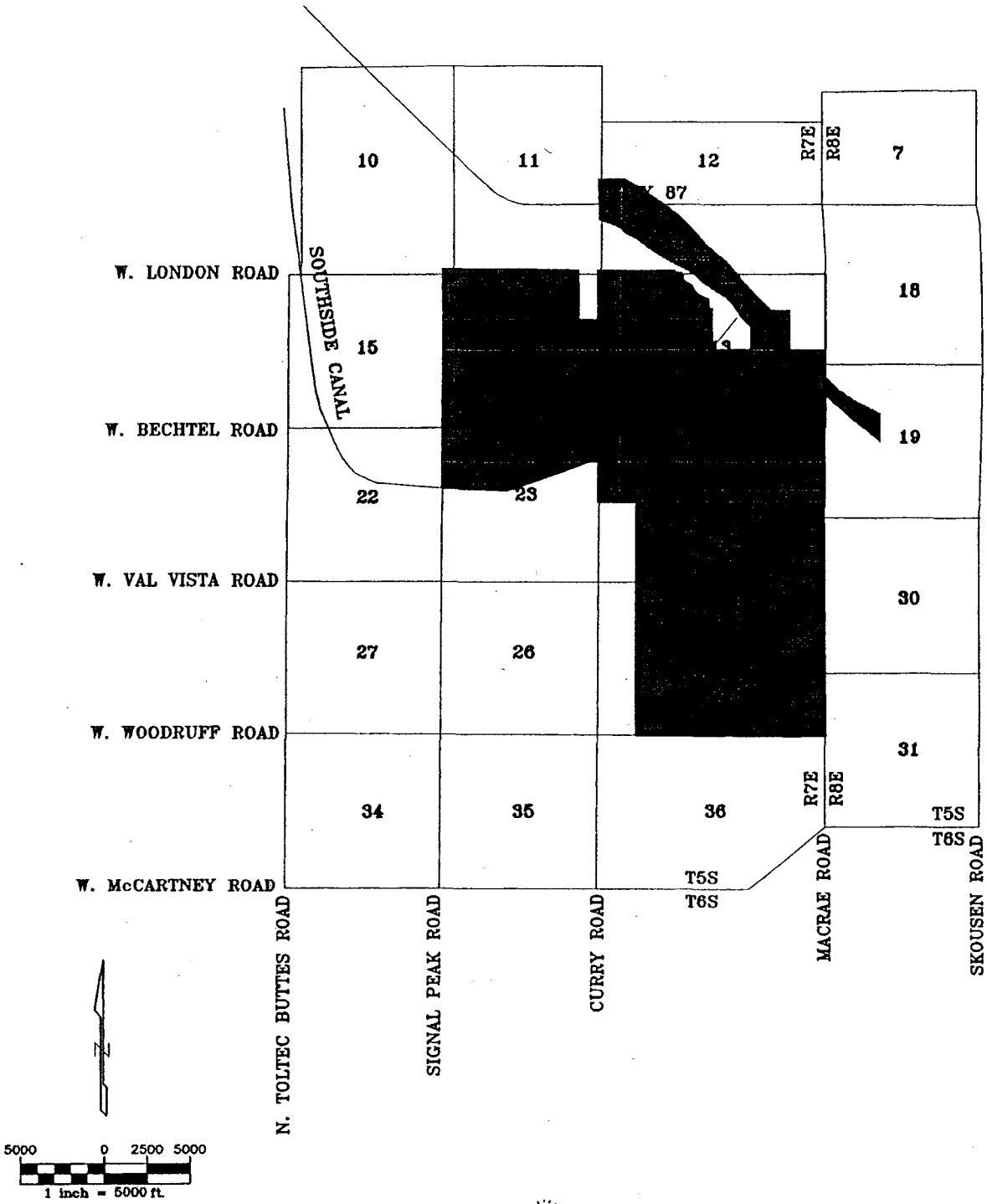
Appendix C. Renumbered

Historical Note

Adopted effective April 28, 1995 (Supp. 95-2). Appendix C renumbered to Appendix B without change effective June 3, 1998 (Supp. 98-3).

EXHIBIT 1

Vicinity Map



Sandia

EXHIBIT 1
VACINITY MAP

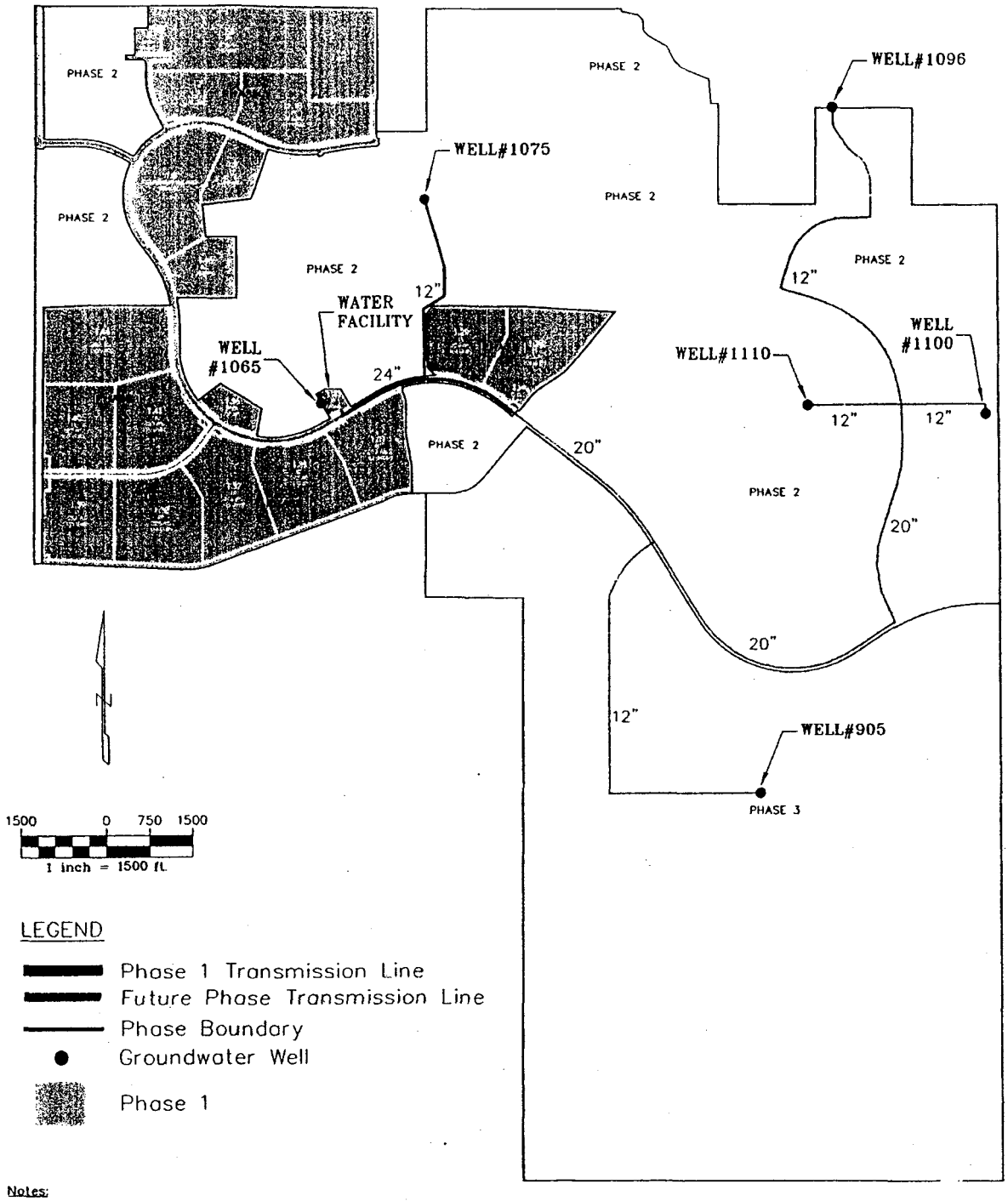
PIVOTAL GROUP
The Esplanade
2555 E. Camelback Road, Suite 700
Phoenix, Arizona 85016
602.956.7200
602.956.2313 fax

WOOD/PATEL
CIVIL ENGINEERS · HYDROLOGISTS · LAND SURVEYORS · CONSTRUCTION MANAGERS
2051 West Northern, Suite 100, Phoenix, Arizona 85021 Phone (602) 335-1300

R:\2004\042127.05\WATER\Exhibits\V-MAP.dwg - Aug 18,2004

EXHIBIT 2

Conceptual Water Source and Supply System



LEGEND

- Phase 1 Transmission Line
- Future Phase Transmission Line
- Phase Boundary
- Groundwater Well
- Phase 1

Notes:

Lotting and roadway layouts are conceptual and subject to change. The waterline layout is a conceptual design illustrating the pipe size necessary to serve each parcel and is not specific to its location.

Sandia
the sweet life

PIVOTAL GROUP
The Esplanade
2555 E. Camelback Road, Suite 700
Phoenix, Arizona 85016
602.956.7200
602.956.2313 fax

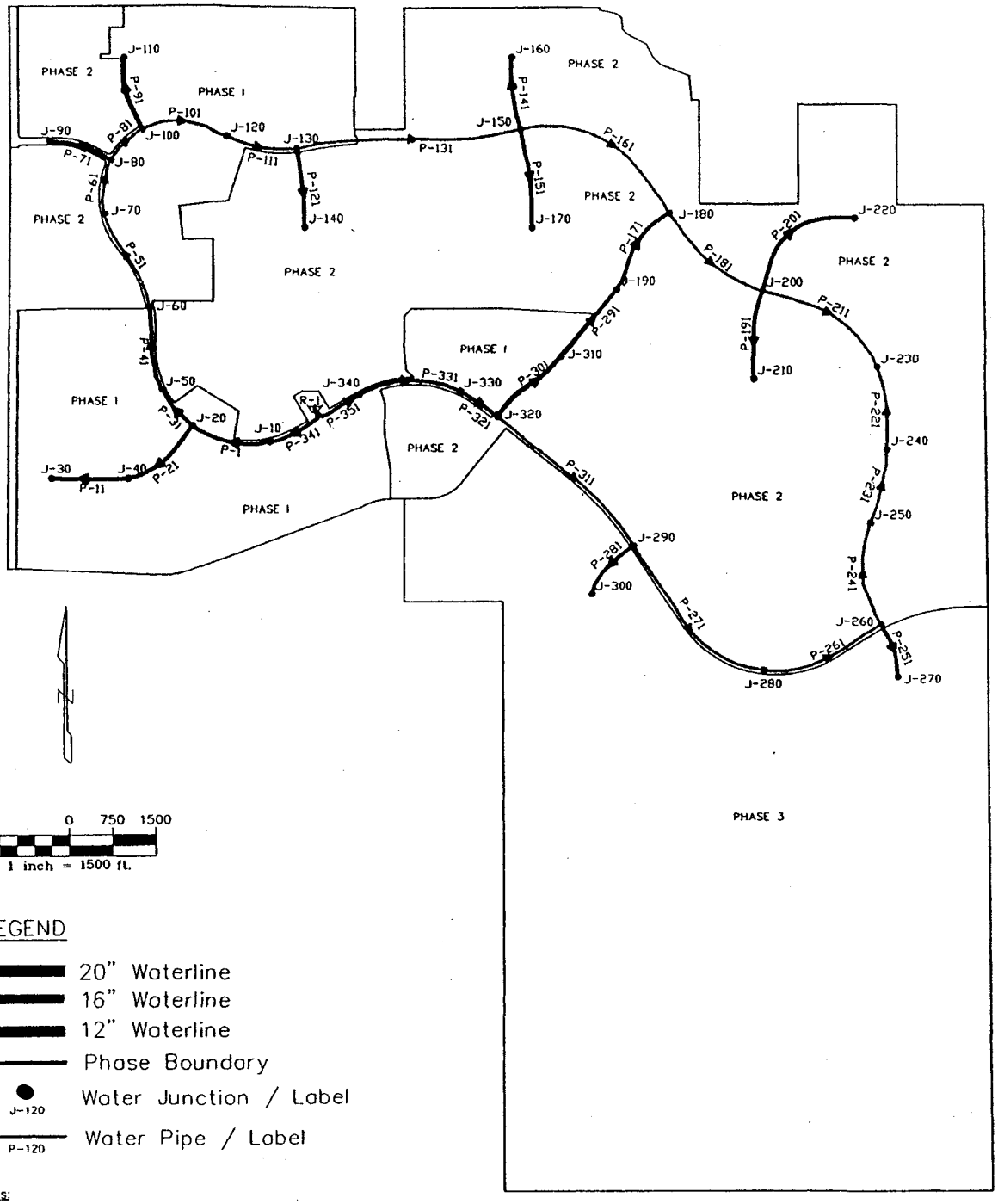
WOOD/PATEL

EXHIBIT 2
CONCEPTUAL WATER SOURCE AND SUPPLY SYSTEM

R:\2004\04212\7.05\WATER\Exhibits\ Well Exhibit.dwg - Aug 17,2004

EXHIBIT 3

Conceptual Master Water Distribution System



LEGEND

- 20" Waterline
- 16" Waterline
- 12" Waterline
- Phase Boundary
- J-120 Water Junction / Label
- P-120 Water Pipe / Label

Notes:

Lotting and roadway layouts are conceptual and subject to change. The waterline layout is a conceptual design illustrating the pipe size necessary to serve each parcel and is not specific to its location.

Sandia

EXHIBIT 3
CONCEPTUAL MASTER WATER DISTRIBUTION SYSTEM

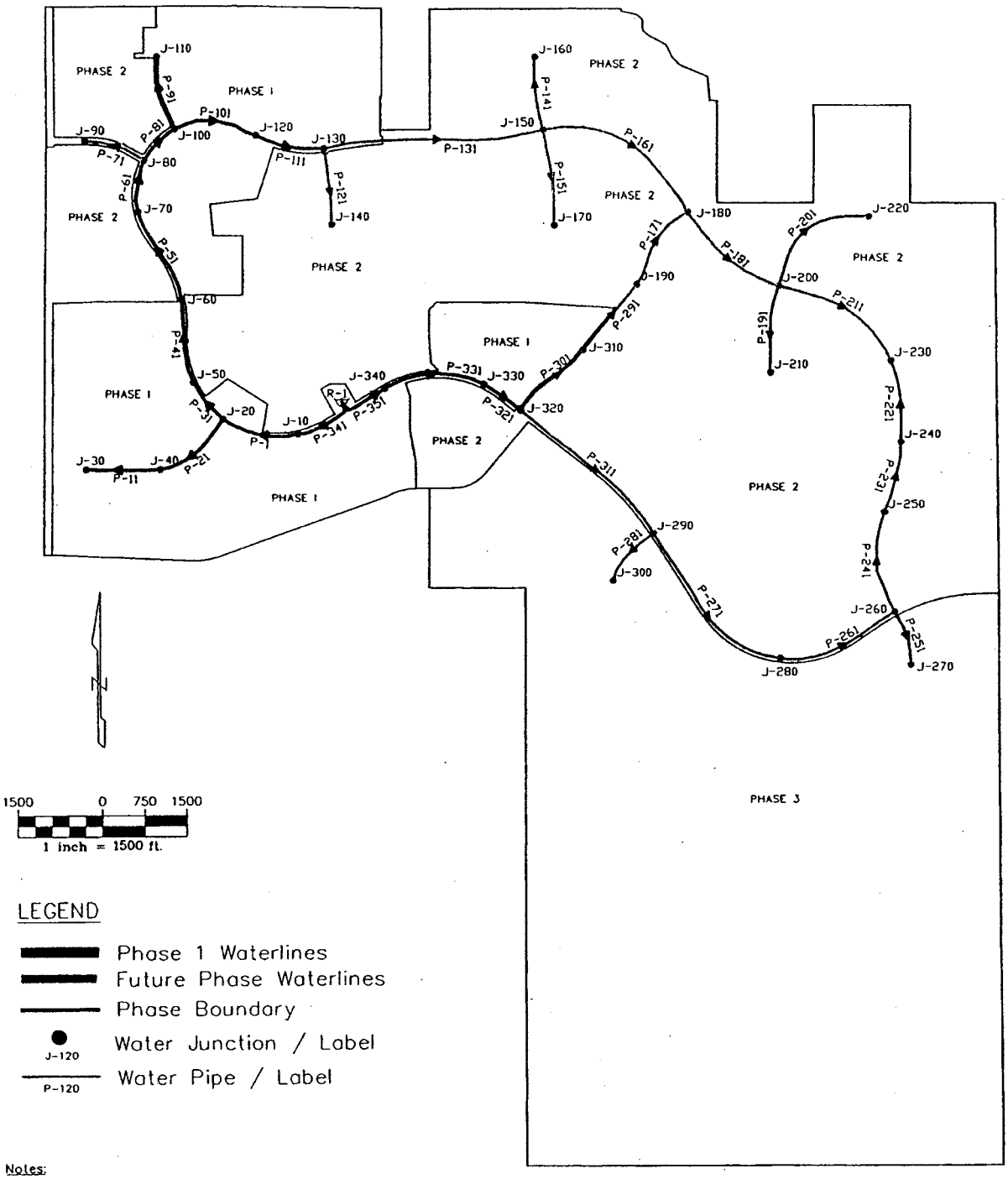
PIVOTAL GROUP
The Esplanade
2555 E. Camelback Road, Suite 700
Phoenix, Arizona 85016
602.956.7200
602.956.2313 fax

WOOD/PATEL
CIVIL ENGINEERS • HYDROLOGISTS • LAND SURVEYORS • CONSTRUCTION MANAGERS

R:\2004\04217.05\WATER\WaterCad\Restore\ Sandia_Overall_Water_Model_ 05_18_04.dwg - Aug 17,2004

EXHIBIT 4

Phased Conceptual Master Distribution System



LEGEND

- Phase 1 Waterlines
- Future Phase Waterlines
- Phase Boundary
- J-120 Water Junction / Label
- P-120 Water Pipe / Label

Notes:

Lotting and roadway layouts are conceptual and subject to change. The waterline layout is a conceptual design illustrating the pipe size necessary to serve each parcel and is not specific to its location.

Sandia

PIVOTAL GROUP
The Esplanade
2555 E. Camelback Road, Suite 700
Phoenix, Arizona 85016
602.956.7200
602.956.2313 fax

WOOD/PATEL
CIVIL ENGINEERS • HYDROLOGISTS • LAND SURVEYORS • CONSTRUCTION MANAGERS

EXHIBIT 4
PHASED CONCEPTUAL MASTER WATER DISTRIBUTION SYSTEM

R:\2004\042127.05\WATER\WaterCad\Restore\ Sandia_Overall_Water_Model_ 05_18_04.dwg - Aug 17,2004

ARIZONA DEPARTMENT OF WATER RESOURCES

OFFICE OF ASSURED AND ADEQUATE WATER SUPPLY
500 NORTH THIRD STREET
PHOENIX, ARIZONA 85004-3921
(602) 417-2465

APPLICATION FOR A PHYSICAL AVAILABILITY DEMONSTRATION

(Refer to application guidelines for assistance in completing this form)

WWC-11
Admitted

PART A - GENERAL INFORMATION

1. Applicant Name: Pivotal Group
   Phone: (602) 956-7200 Facsimile: (602) 956-2313 E-mail: kpolen@pivotalgroup.com
   Address: c/o Karl Polen at Pivotal Group, 2555 E Camelback Rd., Ste. 700, Phoenix, AZ 85016
   Applicant is: ___ Land Owner _X_ Other: Attorney in Fact
2. Name of Study Area: Sandia - Also known as Sundance Farms
3. Location: 5S (Township) 7E (Range) 13, 14, 23, 24, 25 (Section(s)) Pinal (County) Pinal (AMA (if applicable))
4. Consultant Name: Southwest Ground-water Consultants, Inc.
   Phone: (602) 955-5547 Facsimile: (602) 955-7585 E-mail: snoel@sgcground-water.com
   Address: 3900 E. Camelback Rd., Suite 200, Phoenix, AZ 85018-2636
5. Application is for: X New study __ Update, study previously reviewed by the Department
6. Attach a map of the study area (or include in hydrologic study)
7. Size of study area: 3,180 acres

PART B - WATER DEMAND INFORMATION

1. Expected year of build-out: 2020
2. Total demand projected for study area at build-out: 8,159 AF/Year
   Residential demand: 5,343 AF/Year
   Non-residential demand: 2,816 AF/Year
   Type of non-residential uses: Open Space, Schools, Construction, & System Losses
3. Assumptions used in calculating water demand in Item 2: See Hydrologic Study in Attachment I

PART C - WATER SUPPLY INFORMATION

1. Please indicate source(s) of water to be used: X Groundwater __ Surface Water __ Effluent
   (If the sources includes non-groundwater supplies, please complete "Supplement C.")

2. a. Proposed method of water distribution: __ Dry lot (individual wells) X Central distribution system
   b. Water provider name: Woodruff Water Company, Inc. ___ Existing X Proposed

3. Generally describe any storage or treatment facilities (for surface water or effluent) which will serve this development. Indicate whether the facilities are planned or existing. If planned, indicate the anticipated completion date(s):____

N/A

4. Provide a detailed hydrologic study, consistent with Department guidelines, and submit with this application.

PART D - FEES

The application fee for a Demonstration of Physical Availability $1,000.00. The payment may be made by cash, check, or in some cases, by entry in an existing Department fee credit account. Checks should be made payable to the Department of Water Resources. **Failure to enclose the required fees will cause the application to be returned.**

I DO HEREBY certify that the information contained in this application and all information accompanying it is true and correct to the best of my knowledge and belief.

KARL POLEN, EXECUTIVE V.P., PIVOTAL GROUP; ATTORNEY IN FACT FOR HOWARD & JEWELL WUERTZ, WILDCAT FARMS LLC, AND WUERTZ FARMING COMPANY.

Owner Name and Title (Please type or print)

Signature

MAY 10, 2004

Date

ATTACHMENT 1

ATTACHMENT I

HYDROLOGIC STUDY

HYDROGEOLOGIC INVESTIGATION

SUNDANCE FARMS
Pinal County, Arizona

Prepared for:

Pivotal Group
2555 East Camelback Road
Suite 700
Phoenix, Arizona 85016

Prepared by:

Southwest Ground-water Consultants, Inc.
3900 East Camelback Road
Suite 200
Phoenix, AZ 85018-2636

April 1, 2004

REGISTERED GEOLOGIST
CERTIFICATE NO.
17065
STEPHEN D.
NOEL
Date Signed
ARIZONA, U.S.A.

Sandia
the sweet life

TABLE OF CONTENTS

	Page No.
TABLE OF CONTENTS	**i**
LIST OF FIGURES	**iii**
LIST OF TABLES	**iv**
LIST OF APPENDICES	**v**
1.0 INTRODUCTION	**1**
2.0 WATER DEMAND	**2**
2.1 LAND USE	2
2.2 DEMAND	2
2.2.1 Residential	2
2.2.2 Non-residential	2
2.2.2.1 Open Space	2
2.2.2.2 Schools	3
2.2.2.3 Construction	3
2.2.2.4 System Losses	3
2.2.3 Total Demand	4
3.0 HYDROGEOLOGIC SETTING	**5**
3.1 GROUND WATER	5
3.1.1 Geology	5
3.1.2 Hydrogeology	7
3.1.3 Ground-water Quality	8
3.1.3.1 Regional Ground-water Quality	8
3.1.3.2 Local Ground-water Quality	9

REGISTERED GEOLOGIST
CERTIFICATE NO.
17065
STEPHEN D.
NOEL
Date Signed
ARIZONA, U.S.A.

TABLE OF CONTENTS (CONTINUED)

	Page No.
3.2 EFFLUENT	9
4.0 IMPACT OF PROPOSED DEMAND ON SUPPLY	**10**
4.1 AQUIFER IMPACT ANALYSIS	10
4.1.1 Grid	10
4.1.2 Pumping Wells	10
4.1.3 Other Projects in the Study Area	11
4.1.4 Aquifer Parameters	11
4.1.5 Output	12
4.2 100-YEAR WATER LEVEL	12
5.0 REFERENCES	**14**
FIGURES	**16**
TABLES	**23**
APPENDICES	**26**

REGISTERED GEOLOGIST
CERTIFICATE NO.
17065
STEPHEN D.
NOEL
Date Signed
ARIZONA, U.S.A.

LIST OF FIGURES

FIGURE NO.	DESCRIPTION	PAGE NO.
1	Area Location Map	17
2	Depth To Bedrock Map	18
3	Ground-water Level Map	19
4	Ground-water Surface Map	20
5	Ground-water Hydrographs	21
6	100-year Aquifer Impact Analysis Map	22

LIST OF TABLES

TABLE NO.	DESCRIPTION	PAGE NO.
1	Sundance Farms Demand Calculations	24
2	Calculation of Aquifer Coefficients	25

LIST OF APPENDICES

APPENDIX NO.	DESCRIPTION	PAGE NO.
A	Well Driller Reports	A-1
B	Pinal AMA Ground-water Flow Model Data	B-1
C	Ground-water Surface Measurements	C-1
D	Ground-water Quality Data	D-1
E	Drawdown Impacts of Other Projects	E-1
F	THWELLS Output File	F-1

1.0 INTRODUCTION

The following report has been prepared by Southwest Ground-water Consultants, Inc. (SGC) in order to evaluate the ground-water resources available to the Sundance Farms development, and to establish if these resources satisfy the projected demand of the proposed development. This investigation is based on Arizona Department of Water Resources (ADWR) rules to meet the hydrologic study requirements of future Certificate of Assured Water Supply Applications within the Sundance Farms master planned development.

The proposed development is located in Pinal County, Arizona, in the Maricopa-Stanfield Sub-basin of the Pinal Active Management Area (AMA). The Project is located within portions of Sections 13, 14, 23, 24, and 25 of Township 5 South, Range 7 East of the Gila and Salt River Baseline and Meridian (Figure 1).

This report has been organized into five sections. Section 2.0 consists of a discussion of the projected water demand. The ground-water resources available to the Sundance Farms development is presented in Section 3.0. The impact of ground-water production on the underlying aquifer is presented in Section 4.0. References cited throughout this report are listed in Section 5.0.

2.0 WATER DEMAND

2.1 LAND USE

The Sundance Farms development consists of approximately 3,180 acres intended for single-family dwellings. Based on an estimated density of 4 dwelling units per acre, the development will consist of approximately 12,720 dwelling units.

2.2 DEMAND

The water demand calculations presented below were estimated based on Pinal AMA Third Management Plan water requirements (ADWR, 1999a). A tabulation of the water demand estimate is presented in Table 1.

2.2.1 Residential

The residential water demand for the Sundance Farms development has been calculated based on a residential water use rate of 125 gallons per capita per day (gpcd). For the estimated 12,720 dwelling units (du), using a unit density of 3.0 capita per dwelling unit (cpdu), the population is estimated at 38,160, and the residential demand is estimated at 5,343.1 acre-feet per year (ac-ft/yr).

2.2.2 Non-residential

The estimated non-residential demand for the Project is 2,816.20 ac-ft/yr. This total is the sum of the demands for open space, schools, construction, and system losses as outlined below.

2.2.2.1 Open Space

The demand estimate for open space is based on a rate of 4.8 ac-ft/ac/yr for turf acreage, assuming 50% turf acreage, and a rate of 1.5 ac-ft/ac/yr for low water use landscaping (lwul) acreage, assuming 50% lwul acreage. Assuming 15% of the gross acreage, or 477 acres, is open space, the estimated water demand is 1,502.6 ac-ft/yr.

2.2.2.2 Schools

The estimated number of students was calculated using a rate of 0.65 elementary students and 0.25 high school students per dwelling unit. Multiplying those unit rates times the estimated 12,720 dwelling units results in 8,268 elementary school students and 3,180 high school students (ADWR, 1999a).

The indoor demand for the proposed school(s) was estimated using a rate of 25 gallons per student per day for elementary schools and 45 gallons per student per day for high schools.

The outdoor water demand associated with the schools was estimated at 25% of school acreage landscaped with turf at a rate of 4.8 ac-ft/ac/yr, 10% covered with low water use landscaping (lwul) at a rate of 1.5 ac-ft/ac/yr, and the remaining 65% as natural desert. The estimated number of acres designated for the schools was calculated using a rate of 0.01 acres per student for elementary schools and 0.015 acres per student for high schools. A total of 82.7 acres and 47.7 acres was calculated for the elementary school(s) and high school(s), respectively. Using the unit rates listed above, 20.7 turf acres and 8.3 lwul acres are designated for elementary schools, and 11.9 turf acres and 4.8 lwul acres are designated for high schools (ADWR, 1999a). Accordingly, the estimated interior and exterior water demand is 344 ac-ft/yr for elementary schools, and 224 ac-ft/yr for high schools.

2.2.2.3 Construction

The amount of water required for construction purposes is estimated to be 10,000 gallons per dwelling unit, (ADWR Office of Assured and Adequate Water Supply), which amounts to 390 acre-feet for the 12,720 dwelling units. Since this is a one-time use, this volume is divided by 100 years, resulting in a yearly demand of 3.90 ac-ft/yr.

2.2.2.4 System Losses

System losses are estimated to be 10% of the total residential and non-residential demand. Summing all of the residential and non-residential water demand components yields a total system demand of 7,418 ac-ft/yr, therefore, the system losses are calculated to be 741.75 ac-ft/yr.

2.2.3 Total Demand

The estimated total demand for the Sundance Farms development is 8,159.3 ac-ft/yr, or 5,058.4 gallons per minute (gpm).

3.0 HYDROGEOLOGIC SETTING

The water supply available to the Sundance Farms development consists of ground water from the underlying regional aquifer, and effluent generated by the project. The geology and hydrogeology of the study area and region have been investigated by various individuals and agencies including, but not limited to, the Arizona Department of Water Resources (ADWR), (Wickham and Corkhill, 1989; Corkhill and Hill, 1990; Hammett, 1992), the Bureau of Reclamation (1977), and Oppenheimer and Sumner (1980). These investigators have discussed interpretations of depth to bedrock, and the lithology, thickness, and characteristics of the overlying alluvial units. Data were also obtained from the ADWR Basic Data Section, which keeps well driller's reports (ADWR, 2002a), ground-water survey data (ADWR, 1999), ground-water quality data (ADWR, 1999), and the ADWR well registry (ADWR, 2002b) on file.

3.1 GROUND WATER

3.1.1 Geology

Current interpretations of the depth to bedrock in the study area indicate that it ranges from approximately 1,035 feet below land surface (bls) in Section 14 (D(5-7)) to 2,000 feet bls in Section 25 (D(5-7)) (Corell and Corkhill, 1994). Generally, from west to east and northwest to southeast, the depth to bedrock increases to over 3,000 feet bls. Review of well driller reports in the study area (Appendix A) indicates that wells have been drilled to a depth of approximately 2,300 feet without encountering bedrock. A depth to bedrock map is presented in Figure 2.

Three geological units have been described in the alluvial material in the area (Bureau of Reclamation, 1977; and Hammett, 1992). They are from land surface: the Upper Alluvial Unit (UAU), Middle Alluvial Unit (MAU), and Lower Alluvial Unit (LAU). These units form the major water bearing formations in the basin. Lithologically, the three alluvial units may be described as follows (Bureau of Reclamation, 1977).

Upper Alluvial Unit (UAU): Gravel, sand, and silt. Mostly unconsolidated with locally strong cementation near mountain fronts and major stream courses.

Middle Alluvial Unit (MAU): Silt, siltstone, silty sand and gravel. Mostly weakly consolidated, but moderately to well-cemented siltstone occurs locally. Most commonly present in the center of basins, typically pinches out toward basin boundaries.

Lower Alluvial Unit (LAU): Clay, silts, mudstone, evaporites, sandstone, gravel, conglomerate, and andesitic basalt. The lower and older part of this unit is moderately to well-cemented. The upper part of this unit is weakly to well-cemented and contains interbedded sand, gravel, and conglomerate.

Wickham and Corkhill (1989) have organized the three alluvial units into two layers for ground-water flow modeling purposes. These layers are: Layer 1, corresponding to the UAU, and Layer 2, corresponding to the MAU and LAU. The layer thicknesses are estimated below:

Section	Layer 1 Thickness (Upper Alluvial Unit) (feet)	Layer 2 Thickness (Middle and Lower Alluvial Units) (feet)
D(5-7)10	200	580
D(5-7)11	210	720
D(5-7)12	235	750
D(5-7)13	245	940
D(5-7)14	235	800
D(5-7)15	215	580
D(5-7)22	240	750
D(5-7)23	255	935
D(5-7)24	270	1,280
D(5-7)25	285	1,460
D(5-7)26	280	1,015
D(5-7)27	265	830
D(5-7)34	290	810
D(5-7)35	305	1,295
D(5-7)36	310	2,094
D(5-8)07	235	855
D(5-8)18	250	990
D(5-8)19	275	1,420
D(5-8)30	295	1,705
D(5-8)31	325	2,089

*Source: Corkhill and Hill (1990)

3.1.2 Hydrogeology

Two distinct aquifers have been identified by ADWR in the study area. The upper aquifer is contained within the UAU, and the lower aquifer is contained within the MAU and LAU.

The aquifer coefficients of transmissivity and specific yield were developed by ADWR for the ground-water flow model of the Pinal Active Management Area, including the study area. In developing representative aquifer parameters for this study, Layer 2 hydraulic conductivity parameters were multiplied by a factor of three as recommended by Corkhill and Plato (1992). The basic model data are presented in Appendix B. Based on a proposed perforated interval of 800 feet in the lower aquifer, the average aquifer transmissivity of the study area was estimated at 47,200 gpd/ft. The average specific yield for the lower aquifer in the study area is 0.050. A summary of the upper and lower aquifer layers aquifer coefficients is presented in Table 2.

The depth to ground water in the study area has been measured and reported by ADWR personnel over the past 50 years (ADWR, 1999). The most recent and representative water level measurements compiled by ADWR personnel were collected in November 1998 (Figure 3). These measurements and subsequent ground-water surface elevations are presented in Appendix C.

Upper Aquifer - The upper aquifer is contained within the UAU, and is unconfined. The average depth to ground water of the upper aquifer in the study area ranges from approximately 63 bls in the northern portion of the property to 172 feet bls in the southern portion, which translates to a ground-water surface elevation range from 1,318 to 1,222 feet above mean sea level (ft msl) (November, 1998). A map of November 1998 static ground-water levels is presented in Figure 3. Based on 1989 ground-water surface contours (Hammett, 1992), ground water flows east to west in the upper aquifer (Figure 4).

The average hydraulic conductivity and storage coefficient values for the upper aquifer in the study area are 300 to 500 gallons per day per square foot (gpd/ft^2) and 0.15 to 0.16, respectively (Corkhill and Hill, 1990).

Lower Aquifer - The lower aquifer can be confined or unconfined depending upon the presence of the MAU. When the MAU overlies the LAU, the lower aquifer is typically confined. If the

MAU is not present, the lower aquifer is typically unconfined (Bureau of Reclamation, 1977). The average depth to water of the lower aquifer in the study area ranges from 180 to 246 ft bls, translating to ground-water surface elevations from 1,214 to 1,148 ft msl (Figure 4). Based on 1989 ground-water surface contours (Hammett, 1992), ground water flows east to west/southwest in the MAU and LAU (Figure 4).

The average hydraulic conductivity and specific yield values for the lower aquifer in the study area are 21 to 90 gpd/ft^2 and 0.05, respectively (Corkhill and Hill, 1990).

Historically, ground-water levels have been monitored by ADWR personnel in 5 wells located in the vicinity of the study area. The location of the 5 wells is presented in Figure 3 and hydrographs of water level data for those wells are presented in Figure 5.

Review of data presented in the hydrographs indicates that ground-water levels declined at a rate of 3.0 to 8.5 feet per year (ft/yr) between 1950 and approximately 1968. Ground-water levels subsequently began to recover and rose at a rate of approximately 3.1 to 5.8 ft/yr between 1980 and 1997 (ADWR Basic Data). Ground-water level declines were probably due to pumping for irrigation purposes. The subsequent rises were probably due to decreased pumping with the retirement of agricultural land. The ADWR GWSI ground-water level data are presented in Appendix D.

3.1.3 Ground-water Quality

Ground-water quality data were obtained from the United States Geological Survey (USGS) and from a published summary of 1989 data (Hammett, 1992). The water quality data discussed in this section are presented in Appendix D.

3.1.3.1 Regional Ground-water Quality

Review of published ground-water quality data (Hammett, 1992) in the area indicates:

a) Upper aquifer: specific conductance = 3,500 to 4,900 μS/cm (TDS = 2,275 to 3,185 mg/L) and fluoride = 1.2 to 1.4 mg/L
b) Lower aquifer: specific conductance = 875 to 1,840 μS/cm (TDS = 569 to 1,196 mg/L) and fluoride = 3.5 to 5.0 mg/L

[Note: TDS was estimated by multiplying specific conductance by 0.65]

Review of well casing perforated interval data (ADWR, 1999b) indicates that the majority of wells in the area are perforated in both the upper and lower aquifers, resulting in mixed ground-water quality. Based on the data reviewed, it is evident that wells screened in the upper aquifer contain elevated levels of total dissolved solids. Wells screened in the lower aquifer have lower total dissolved solids concentrations, but have a higher range of fluoride concentrations that may exceed the minimum Arizona Drinking Water Standard of 4.0 mg/L.

3.1.3.2 Local Ground-water Quality

A ground-water sample was collected from Sundance Farms well (Sundance Farm Well No. 1110 located in Section 24 (D(5-7)24 abb) on January 28, 2004. Review of the laboratory results (Appendix D) indicates that the reported nitrate concentration of 2.4 mg/L meets Arizona Drinking Water Standards. However, the fluoride concentration of 6.0 mg/L exceeds the Arizona Drinking Water Standard of 4.0 mg/L.

Review of the well drillers log of Sundance Farm Well No. 1110 indicates that the well is 1665 feet deep and perforated from 1220 to 1665 feet bls. The perforated interval extends from the lower aquifer into the lower portion of the upper aquifer.

3.2 EFFLUENT

The estimated volume of effluent that would be available for direct reuse or for underground storage and recovery was estimated to be 2,344 ac-ft/yr. This volume is equal to 90 percent of the total indoor residential use as presented below.

Total Effluent Volume = (90 %) (Indoor residential Demand)

= (90 %) (2,604 ac-ft/yr)

= 2,344 ac-ft/yr

For purposes of demonstrating an assured water supply, no reuse or underground storage of effluent is assumed. The aquifer impact calculations presented in this report (Section 4.0) assume that the entire demand is pumped from onsite wells.

4.0 IMPACT OF PROPOSED DEMAND ON SUPPLY

The impact on the regional aquifer from Sundance Farms ground-water development has been estimated based on the current demand calculations, aquifer coefficients, and ground-water level trends. As previously reported in Section 2.2, the total ground-water demand for Sundance Farms is 8,159.3 ac-ft/yr (5,058.4 gpm). The Aquifer impact has been estimated by use of THWELLS v 4.01 multi-Theis analysis software (van der Heijde, 1996). The calculated drawdown is added to the most current ground-water levels available (1998), the estimated 100-year ground-water level decline, and the estimated impacts of other projects in the study area in order to establish the projected 100-year depth to ground water at the Sundance Farms development.

4.1 AQUIFER IMPACT ANALYSIS

The program THWELLS calculates the drawdown or buildup of piezometric head due to the combined effect of multiple discharge and recharge wells in a confined, leaky-confined, or unconfined aquifer. The calculations for total drawdown are based on the Theis (1935) equation for non-equilibrium flow in an isotropic, homogeneous aquifer (van der Heijde, 1996). Using the unconfined aquifer option, the calculated drawdown was corrected using the method described by Jacob (1946). The calculations are made at the user-defined grid intersections.

4.1.1 Grid

The grid encompasses an approximate 1-mile radius surrounding the Sundance Farms development. The grid is roughly 4 miles by 5 miles, and the nodal spacing is 660 feet in both the x and y directions. The grid values are in units of feet in the Universal Transverse Mercator (Zone 12, NAD 1927) coordinate system.

4.1.2 Pumping Wells

Based on a peak day demand of 2.5 times the average day demand of 5,058.4 gpm, or approximately 12,646 gpm, it is projected that eleven production wells, each with a capacity of 1,200 gpm, will be required to meet the projected water demand. Several high capacity wells currently used for irrigation, exist on the property. Review of well registration data (Appendix A) indicates that five wells exist on the property with pumping rates in excess of 1,200 gpm. Four of the wells (Figure 6) were incorporated into the aquifer impact analysis. The total estimated water

demand for the Sundance Farms development of 5,058.4 gpm was divided evenly between the four wells. Therefore, 1,264.6 gpm was assigned to each well.

Well locations incorporated into the aquifer impact analysis are presented in the chart below.

Legal Location	Grid X (feet)	Grid Y (feet)	Perforated Interval(s) (feet-feet)	Assigned Pumping Rate (gpm)
D-05-07 24 aaa	445494.2	3649152.9	1220-1665	1264.6
D-05-07 14 add	443889.9	3650024.2	110-440	1264.6
D-05-07 24 dcc	444888.5	3647585.7	1260-1420 1545-1555	1264.6
D-05-07 25 ddd	445320.9	3645982.0	175-1200	1264.6

4.1.3 Other Projects in the Study Area

The impact of other projects in the study area was estimated based on ground-water level drawdown contours presented in the Hydrology Study Report, Pinal AMA Casa Grande Groundwater Flow Model prepared by Clear Creek Associates dated August 31, 2001 (Clear Creek, 2001). The impact analysis presented, includes impacts of current and future rates of ground-water pumping by the Arizona Water Company from existing and new wells within their service areas. The maximum drawdown impact by the Arizona Water Company project is estimated at 400 feet in the vicinity of the Sundance Farms development. A copy of the drawdown impact by the Arizona Water Company project is included in Appendix E.

4.1.4 Aquifer Parameters

Aquifer parameters used to calculate the aquifer impact at the site were obtained from the database of the Regional Ground-water Flow Model of the Pinal Active Management Area (Corkhill and Hill, 1990). In developing representative aquifer parameters for this study, Layer 2 hydraulic conductivity values were multiplied by a factor of three as recommended by Corkhill an Plato (1992). Although perforated intervals of the existing onsite irrigation wells extend through the upper and lower aquifers, future wells may only be perforated in the lower aquifer. Based on a perforated interval length of 800 feet in the lower aquifer, and the average hydraulic conductivity

for the lower aquifer, the transmissivity for the study area was estimated at 47,200 gpd/ft. The average specific yield for the lower aquifer, based data obtained from the model database, was at 0.050 for the study area. The transmissivity and specific yield calculations are presented in Table 2.

The Jacob (Jacob, 1946) water table correction has been applied to better simulate unconfined aquifer conditions. The aquifer saturated thickness of 620 feet is based on a depth to bottom of well perforations of 800 ft bls and an average static water level in the lower unit of 180 ft bls. The depth to bottom of well perforations is a conservative choice, because future wells will likely be drilled deeper. No water table gradient or recharge has been assumed in the simulation.

A hydrogeologic barrier was located along the base of the Sacaton Mountains approximately 2 miles west of the Project. The boundary was located based on the 400 ft depth to bedrock contour presented in Figure 2(Oppenheimer and Sumner, 1980). The impermeable boundary is simulated with image wells. The wells and hydrologic boundary locations in the impact simulation are presented in Figure 6.

4.1.5 Output

The aquifer impact analysis is based on continuous pumping for a period of 36,500 days (100 years). The impact at the Sundance Farms development ranges from 170 feet to 180 feet. The 100-year aquifer impact contour map displaying the results of the analysis is presented in Figure 6. The output file for the analysis is presented in Appendix F.

4.2 100-YEAR WATER LEVEL

The maximum calculated 100-year depth to water at the Sundance Farms development occurs at the onsite pumping well located at D(05-07)24 dcc. The 100-year depth to water calculation is outlined in the following chart.

Depth to Water (Study Area Wells, Hammett, 1992)	180 feet bls
100-Year Ground-water Decline @ 0.0 ft/yr	0 feet
Maximum Pumping Impact	180 feet
Other Projects in the Study Area	400 feet
Sundance Farms Development 100-year Depth to Water	760 feet bls

The projected 100-year depth to ground water at the Sundance Farms development is 760 feet. This depth to ground water is above the management limits established for water providers in the Pinal AMA of 1,100 feet below land surface.

5.0 REFERENCES

ADWR. 1999a. Third Management Plan for the Pinal Active Management Area, 2000 – 2010. Arizona Department of Water Resources.

ADWR. 1999b. Arizona Department of Water Resources Groundwater Site Inventory (GWSI) Database, last updated March 1999.

ADWR, 2002a. Imaged Well Records Database. Arizona Department of Water Resources. Queried July 2002.

ADWR, 2002b. Wells 55 CD. Arizona Department of Water Resources. March 2002.

Bureau of Reclamation. 1977. Geology and Ground-water Resources Report, Maricopa and Pinal Counties, Arizona. U.S. Department of the Interior. Volumes 1 and 2.

Clear Creek Associates, August 31, 2001. Hydrology Study Report, Pinal AMA Casa Grande Groundwater Flow Model.

Corell, S.W. and E.F. Corkhill. 1994. A Regional Groundwater Flow Model of the Salt River Valley - Phase II, Phoenix Active Management Area, Numerical Model, Calibration, and Recommendations. Hydrology Division, Modeling Report No. 8.Driscoll, F.G. 1986. Groundwater and Wells. Second Edition.

Corkhill, E.F., and Hill, B.M. 1990. Pinal Active Management Area Regional Groundwater Flow Model, Phase II: Numerical Model, Calibration, Sensitivity, and Recommendations. Arizona Department of Water Resources. Modeling Report Number 2.

Corkhill, E.F., and Plato, P.R. 1992. Pinal Active Management Area Second Management Plan Simulation of Water Use Scenarios Utilizing the Pinal AMA Regional Groundwater Flow Model. Arizona Department of Water Resources, Hydrology Division, Modeling Report No. 4.

Hammett, 1992. Maps Showing Groundwater Conditions in the Eloy and Maricopa-Stanfield Sub-basins of the Pinal Active Management Area, Pinal, Pima, and Maricopa Counties,

Arizona, 1989. Arizona Department of Water Resources Hydrologic Map Series Report Number 23.

Jacob, C.E. 1946. Drawdown Test to Determine Effective Radius of Artesian Well. In: Proceed. of Am. Soc. Civil Eng., Vol. 79, No. 5. ASCE, New York, New York.

Oppenheimer, J.M., and Sumner, J.S., 1980. Depth to Bedrock Map of Southern Arizona, Lab. of Geophysics, Department of Geosciences, University of Arizona, 1 sheet.

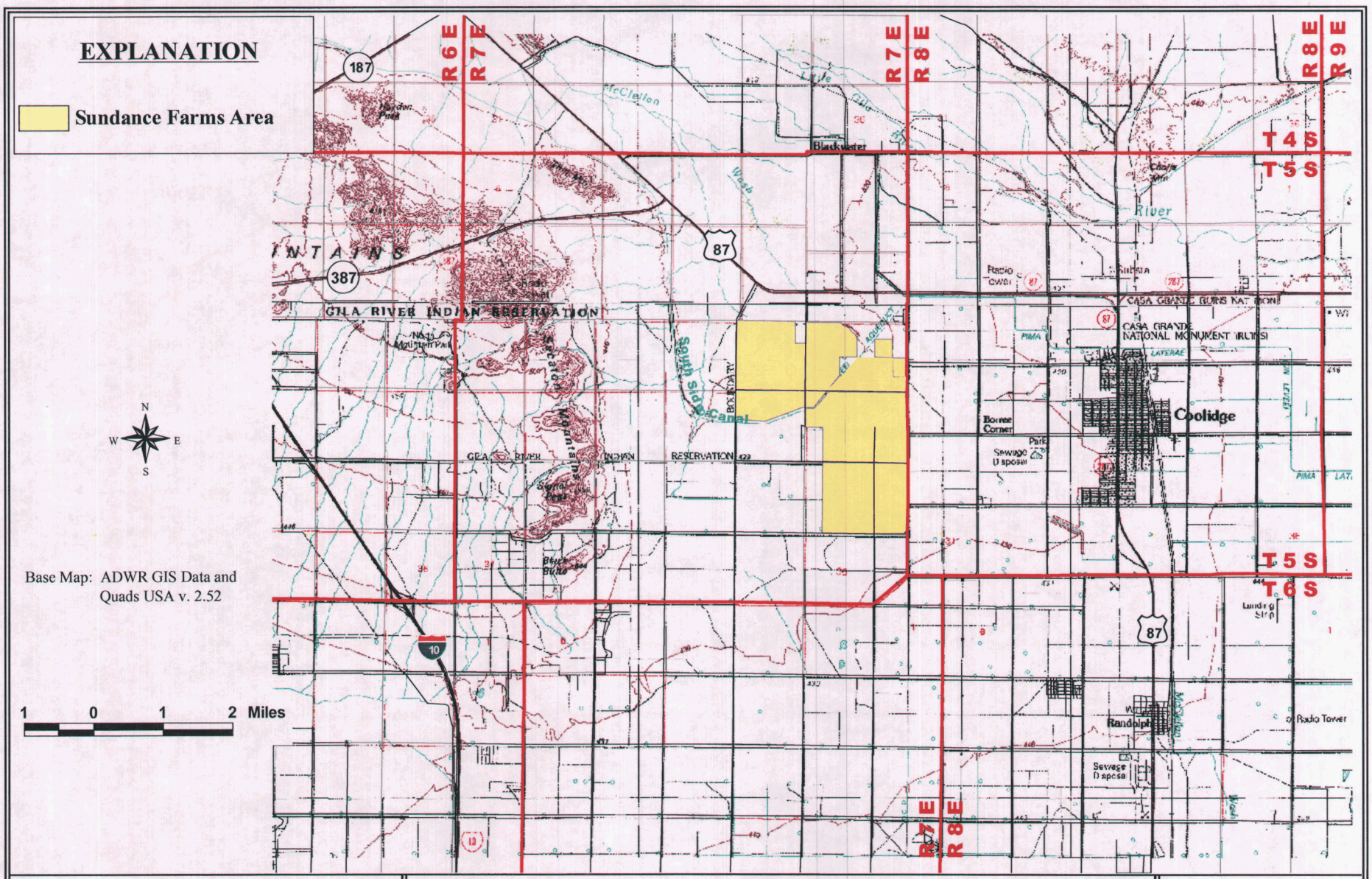
Theis, C.V. 1935. The relation between lowering of the piezometric surface and the rate and duration of discharge of a well using ground-water storage. Am. Geophysical Union Trans., 16th Ann. Mtg., pt 2, pp 519 - 524.

van der Heijde, 1996. THWELLS, Flow in Confined or Unconfined Aquifer with Multiple Wells. Released by International Ground-water Modeling Center, May 1996, v.4.01.

Wickham, M.P. and Corkhill, E.F., 1989. Pinal Active Management Area, Regional Groundwater Flow Model, Phase One: Hydrogeologic Framework, Water Budget and Phase One Recommendations. Arizona Department of Water Resources Modeling Report No. 1. June 1989.

FIGURES

FIGURES



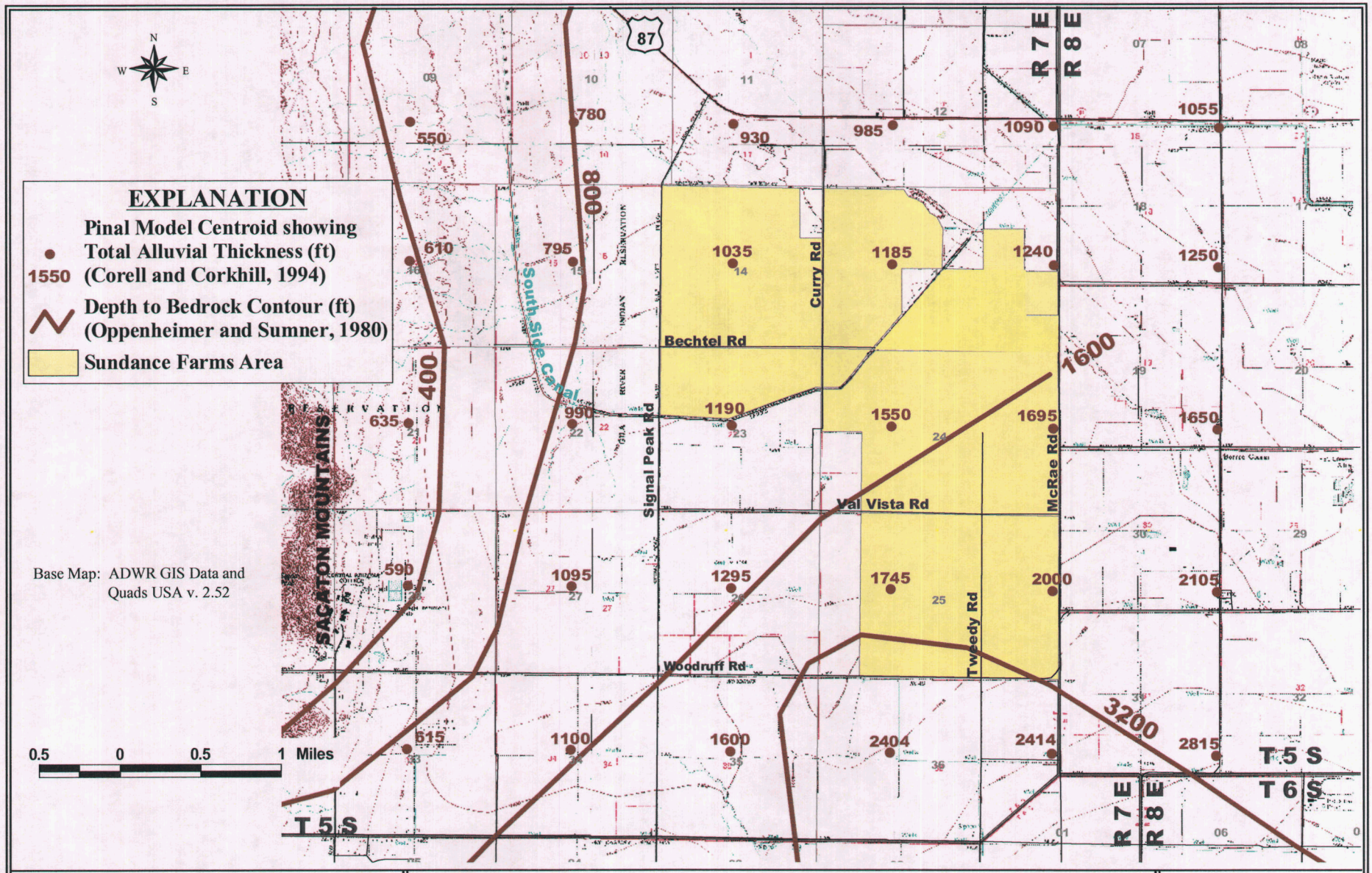
Southwest Ground-water Consultants, Inc.

March 17, 2004 Project B.793

AREA LOCATION MAP

Sundance Farms, Pinal County, Arizona

Figure 1



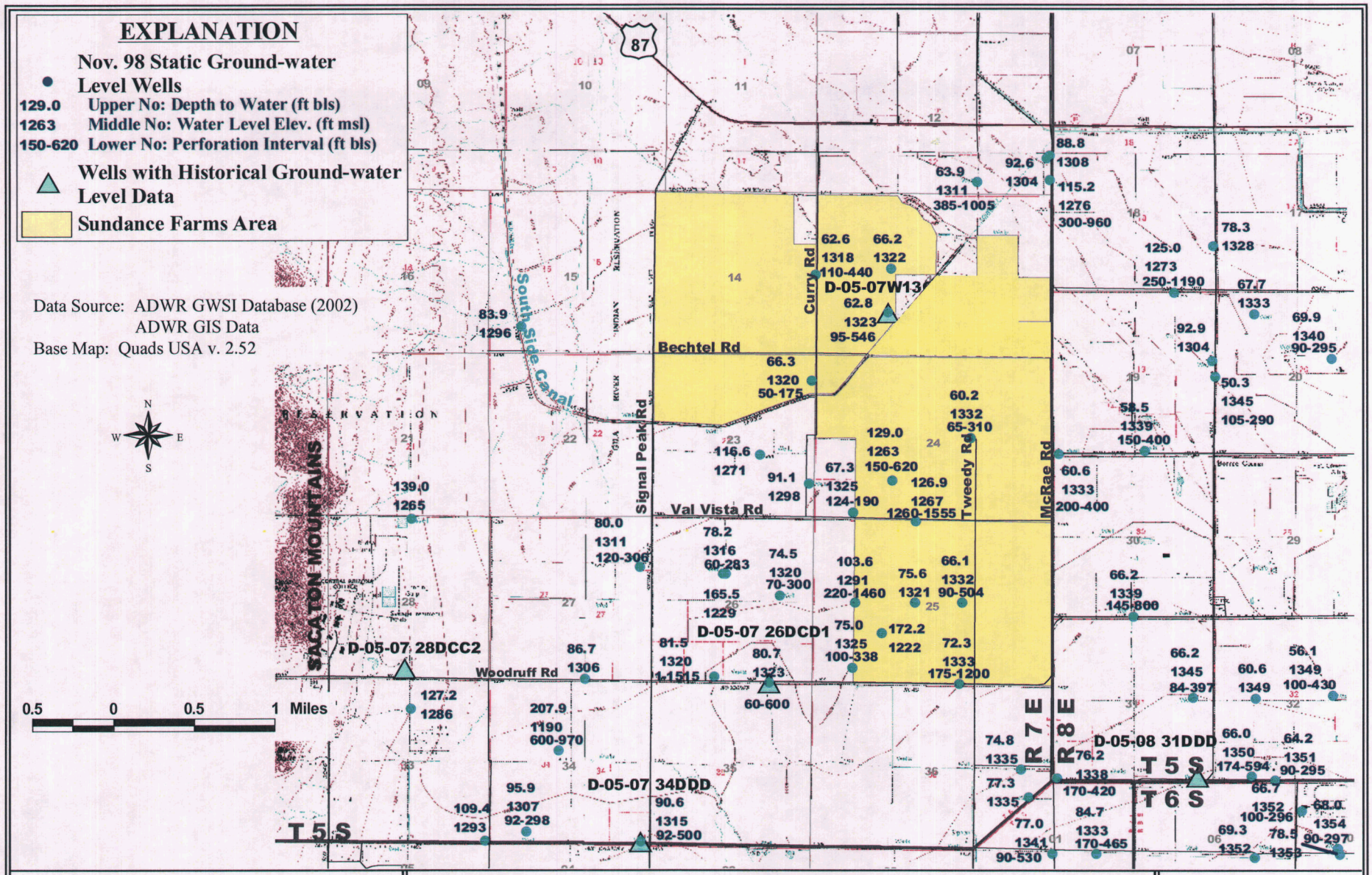
Southwest Ground-water Consultants, Inc.

March 17, 2004 Project B.793

DEPTH TO BEDROCK MAP

Sundance Farms, Pinal County, Arizona

Figure 2



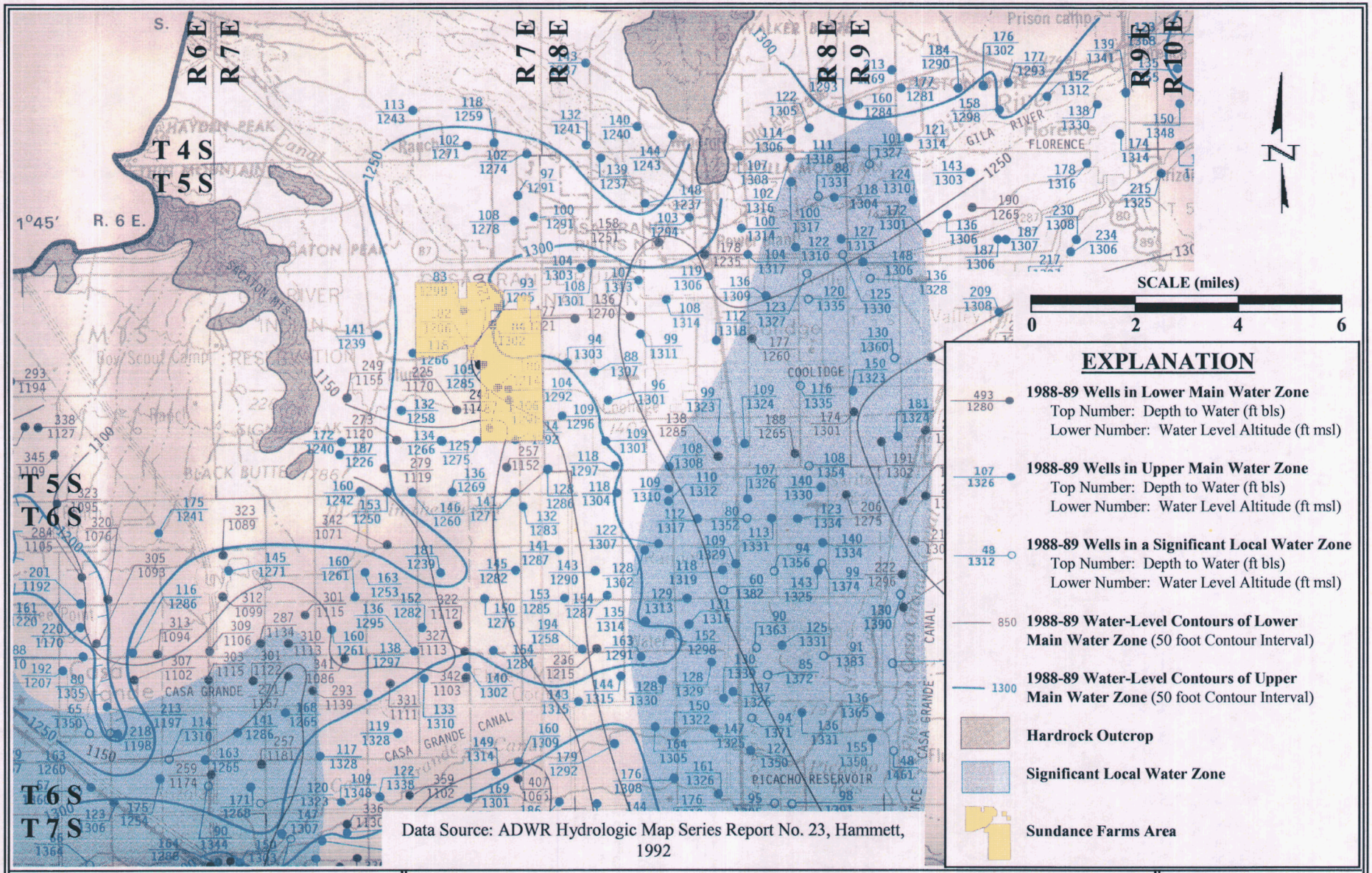
Southwest Ground-water Consultants, Inc.

March 17, 2004 Project B.793

GROUND-WATER LEVEL MAP

Sundance Farms, Pinal County, Arizona

Figure 3



Data Source: ADWR Hydrologic Map Series Report No. 23, Hammett, 1992

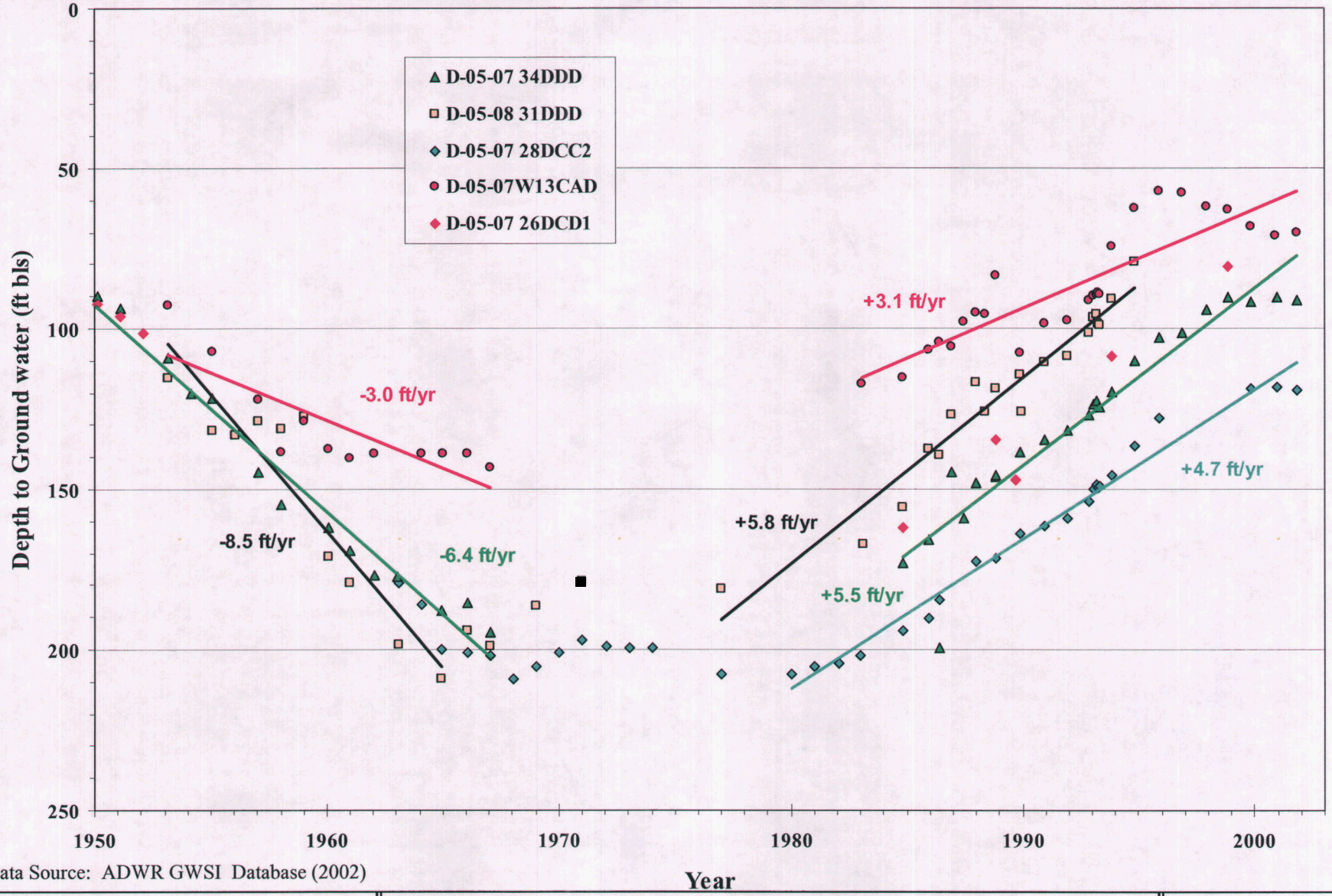
Southwest Ground-water Consultants, Inc.

March 17, 2004 **Project B.793**

1989 GROUND-WATER SURFACE MAP

Sundance Farms, Pinal County, Arizona

Figure 4



Data Source: ADWR GWSI Database (2002)

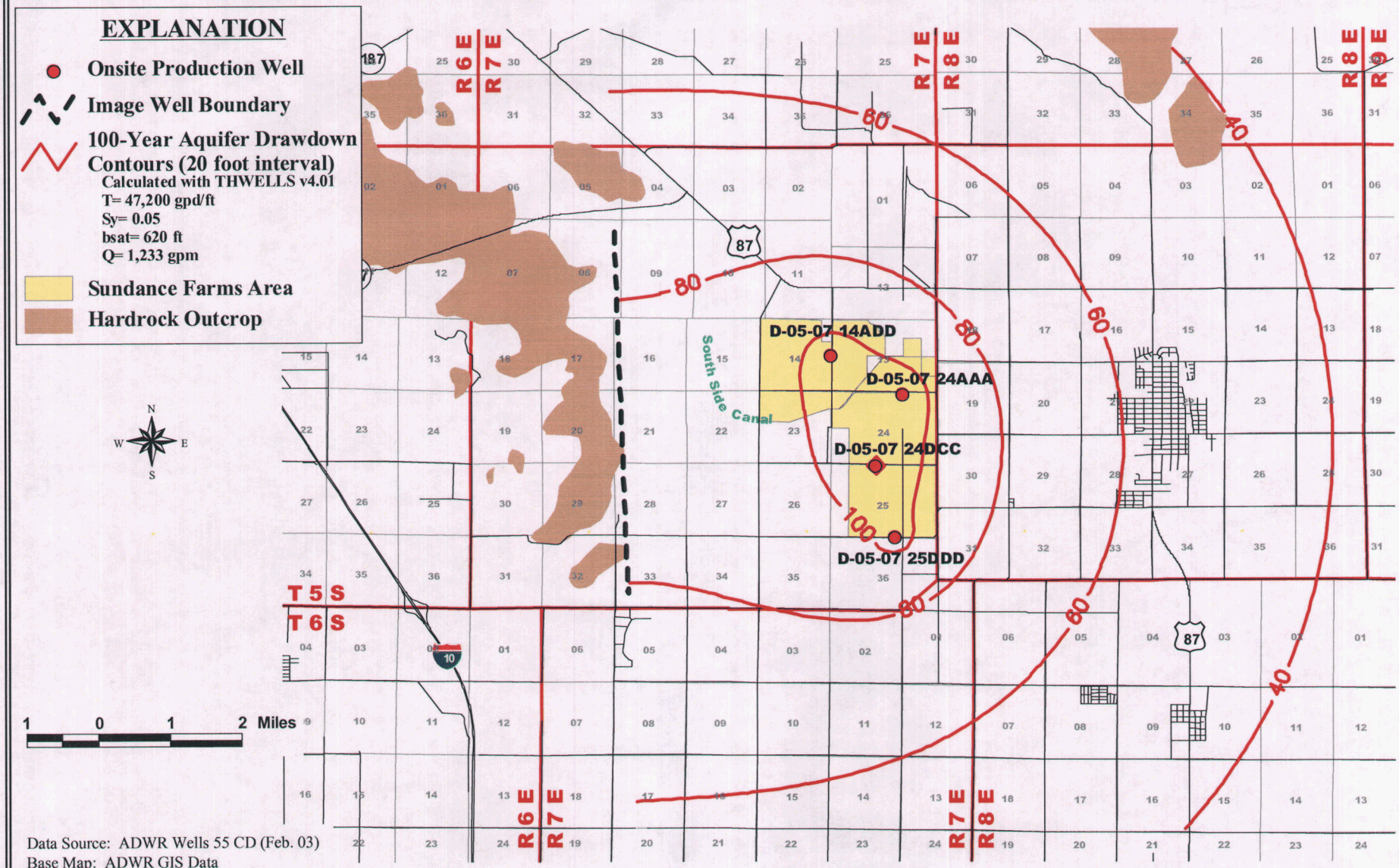
Southwest Ground-water Consultants, Inc.

March 17, 2004 **Project B.793**

GROUND-WATER HYDROGRAPHS

Sundance Farms, Pinal County, Arizona

Figure 5



Southwest Ground-water Consultants, Inc.

March 15, 2004 Project B.793

100-YEAR AQUIFER IMPACT ANALYSIS MAP

Sundance Farms, Pinal County, Arizona

Figure 6