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**FENNEMORE CRAIG**

A PROFESSIONAL CORPORATION

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**PATRICK J. BLACK**

Direct Phone: (602) 916-5400

Direct Fax: (602) 916-5600

pblack@fclaw.com

OFFICES IN:

PHOENIX, TUCSON,

NOGALES, AZ; LINCOLN, NE

AZ CORP COMMISSION  
DOCUMENT CONTROL

3003 NORTH CENTRAL AVENUE

SUITE 2600

PHOENIX, ARIZONA 85012-2913

PHONE: (602) 916-5000

FAX: (602) 916-5999

February 2, 2005

**BY HAND DELIVERY**

Mr. Jim Fisher, Executive Consultant  
Utilities Division  
Arizona Corporation Commission  
1200 W. Washington Street  
Phoenix, Arizona 85007

Arizona Corporation Commission

**DOCKETED**

FEB 02 2005

DOCKETED BY *CM*

Re: Johnson Utilities Company - Application for Extension of Wastewater  
CC&N; Docket No. WS-02987A-04-0889

Dear Mr. Fisher:

On December 14, 2004, Johnson Utilities Company ("Johnson") filed an application for an extension of its Certificate of Convenience and Necessity to provide wastewater service in Section 17, Township 2 South, Range 8 East in Pinal County, Arizona. In its application, Johnson provided written service requests and other relevant information for four (4) developments: 1) Wayne Ranch; 2) Vineyard Estates; 3) Milagro; and 4) Taylor Ranch.

Enclosed is a written service request from Maracay Homes, attached hereto as Exhibit 1, for a development known as Ocotillo Trails, which is also located within Section 17, Township 2 South, Range 8 East. Also attached are the following documents:

1. Exhibit 2 - Legal Description
2. Exhibit 3 - Master Wastewater Design Report for Ocotillo Trails
3. Exhibit 4 - Estimated Revenues and Expenses for Each Year during the First Five Years of Operations
4. Exhibit 5 - Estimated Cost of Facilities

In addition, Johnson intends to submit an executed copy of the Master Utility Agreement between Johnson and Maracay Homes that covers the payment of hook-up fees for the construction of off-site facilities needed to serve the Ocotillo Trails development.

# FENNEMORE CRAIG

## BY HAND DELIVERY

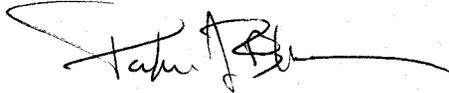
Mr. Jim Fisher, Executive Consultant

February 2, 2005

Page 2

Please accept these documents as a supplement to the application filed in the above-captioned matter. Should you have any questions or concerns, please do not hesitate to call me at (602) 916-5400, or Brian Tompsett at (480) 998-3300. Thank you for your time and consideration in this matter.

Very truly yours,

A handwritten signature in black ink, appearing to read "Patrick J. Black", with a long horizontal flourish extending to the right.

Patrick J. Black

cc: Docket Control (w/encl.)  
Brian Tompsett (w/encl.)

1633029.1/51239.009

# **EXHIBIT**

**1**

# Maracay Homes

flex design®

*Because no two families are alike.*

RECEIVED JUN 22 2004

15160 N. Hayden Road  
Scottsdale, AZ 85260  
480-970-6000  
Fax 480-970-8899  
www.maracayhomes.com  
License # ROC172120

June 18, 2004

Brian Tompsett  
Johnson Utilities  
5230 E. Shea Blvd.  
Scottsdale, Arizona 85254

Re: Request for Sewer Service, Ocotillo Trails

Dear Brian:

Maracay Homes is under contract to purchase approximately 40 acres at the northeast corner of Ocotillo Dr. and Ironwood Rd. in Section 17, T2S R8E, Pinal County. The property is currently being planned for an 82 lot single family subdivision and approximately 16 acres of commercial property on the corner. We understand Arizona Utility Service and Supply initially filed a request to the Corporation Commission for Certificate of Convenience and Necessity(CC&N) to provide sewer service for all of Section 17, T2S R8E, including the subject property. We also understand AUSS subsequently withdrew this application. We now understand Johnson Utilities is evaluating this area for CC&N application to provide sewer service.

Attached please find a site plan for the property. Please consider this letter a request for service and provide information regarding line extension agreements, service requirements, schedule and terms for delivery of service to the residential and commercial components of the Ocotillo Trails property. Also please advise Maracay Homes of any easement requirements which may be necessary to provide service to the site. Maracay requests that separate service proposals be structured for the residential and commercial parcels as it is likely the commercial property will not be developed on the same schedule as the residential component. Please contact me at the numbers or address listed if you have any further questions in regards to this request.

Cordially,



Tim Goodrich  
Land Acquisition  
Maracay Homes

Cc: Todd Weber  
Courtney Kile, Empire Group

# **EXHIBIT**

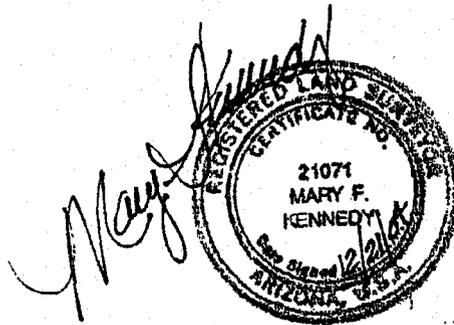
**2**

**LEGAL DESCRIPTION  
COMMERCIAL SITE AT OCOTILLO TRAILS  
NORTHEAST CORNER OF IRONWOOD DR. AND OCOTILLO ROAD  
PINAL COUNTY, ARIZONA**

A portion of Lot 11 of Sun Valley Farms Unit II, according to the Results of Survey recorded in Book 1 of Surveys, Page 33, Official Records of Pinal County, Arizona, being situated in a portion of the Southwest quarter of Section 17, Township 2 South, Range 8 East, of the Gila and Salt River Base and Meridian, Pinal County, Arizona, described as follows:

BEGINNING at the Southwest corner of Section 17, also being the southwest corner of Lot 11, said point being marked by a brass cap in a handhole from which the South quarter corner of Section 17, being marked by a brass cap in a handhole, bears North 89 degrees, 46 minutes 10 seconds East, a distance of 2,664.23 feet;  
thence North 89 degrees 46 minutes 10 seconds East, 740.00 feet along the south line of Section 17;  
thence North 0 degrees 07 minutes 21 seconds West, 664.75 feet;  
thence North 22 degrees 08 minutes 21 seconds West, 22.30 feet;  
thence South 89 degrees 39 minutes 26 seconds West, 90.80 feet;  
thence North 43 degrees 28 minutes 03 seconds West, 20.46 feet;  
thence North 0 degrees 07 minutes 21 seconds West, 323.80 feet to a point on the north line of Lot 11;  
thence South 89 degrees 39 minutes 26 seconds West, 624.99 feet along the north line of Lot 11 to a point on the west line of Lot 11;  
thence South 0 degrees 01 minutes 15 seconds East, 1022.75 feet along the west line of Lot 11 and the west line of the Southwest quarter of Section 17, to the POINT OF BEGINNING.

Containing 16.485 acres, more or less, and being subject to easements of record.

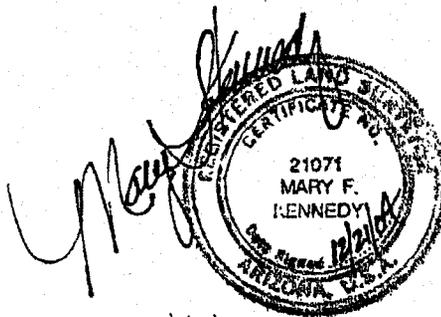


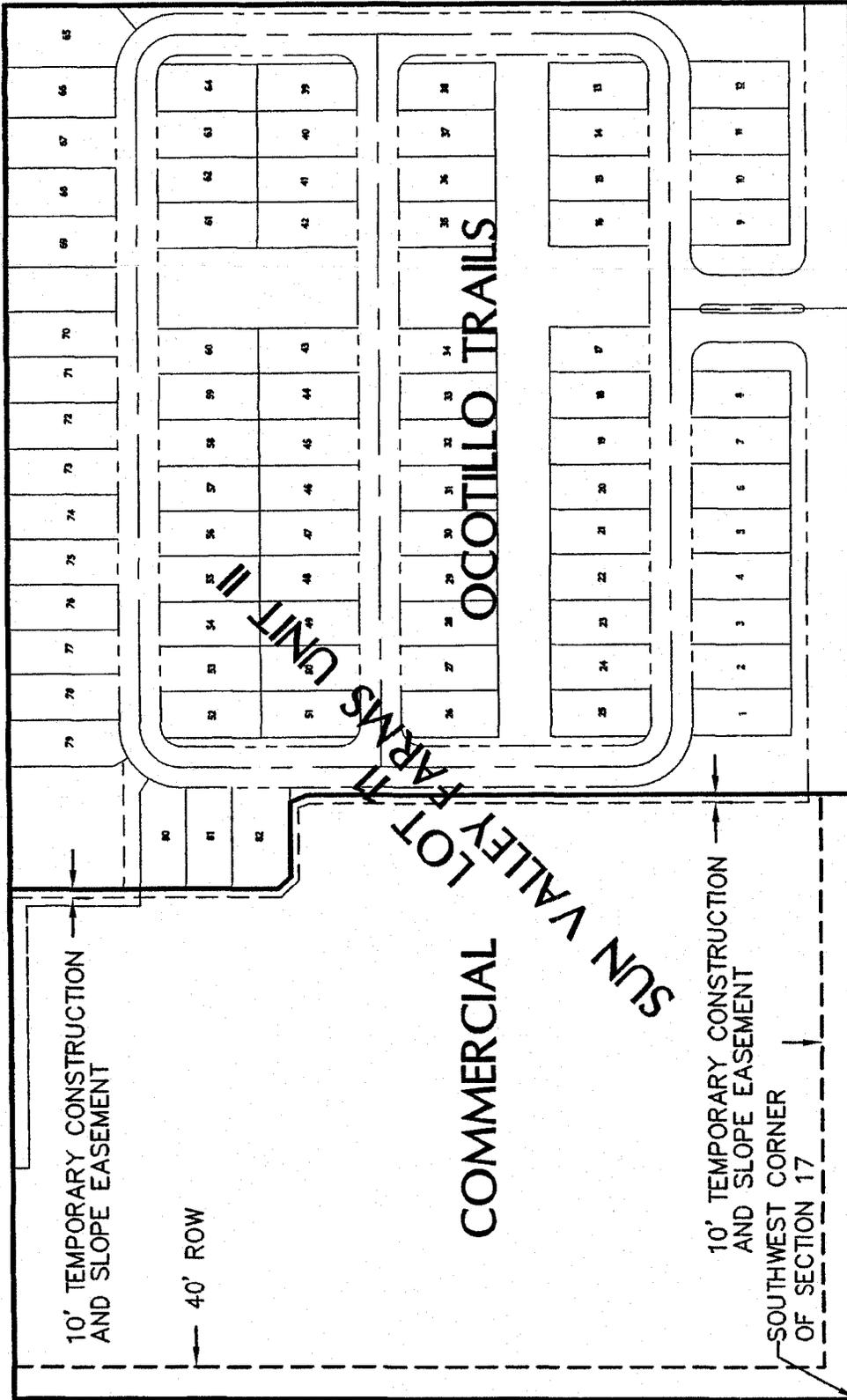
**LEGAL DESCRIPTION  
OCOTILLO TRAILS  
NORTHEAST CORNER OF IRONWOOD DR. AND OCOTILLO ROAD  
PINAL COUNTY, ARIZONA**

A portion of Lot 11 of Sun Valley Farms Unit II, according to the Results of Survey recorded in Book 1 of Surveys, Page 33, Official Records of Pinal County, Arizona, being situated in a portion of the Southwest quarter of Section 17, Township 2 South, Range 8 East, of the Gila and Salt River Base and Meridian, Pinal County, Arizona, described as follows:

COMMENCING at the Southwest corner of Section 17, also being the southwest corner of Lot 11, said point being marked by a brass cap in a handhole from which the South quarter corner of Section 17, being marked by a brass cap in a handhole, bears North 89 degrees, 46 minutes 10 seconds East, a distance of 2,664.23 feet;  
thence North 89 degrees 46 minutes 10 seconds East, 740.00 feet along the south line of Section 17 to the POINT OF BEGINNING;  
thence North 0 degrees 07 minutes 21 seconds West, 664.75 feet;  
thence North 22 degrees 08 minutes 21 seconds West, 22.30 feet;  
thence South 89 degrees 39 minutes 26 seconds West, 90.80 feet;  
thence North 43 degrees 28 minutes 03 seconds West, 20.46 feet;  
thence North 0 degrees 07 minutes 21 seconds West, 323.80 feet to a point on the north line of Lot 11;  
thence North 89 degrees 39 minutes 26 seconds East, 1064.98 feet to the northeast corner of Lot 11;  
thence South 0 degrees 07 minutes 21 seconds East, 1026.05 feet to the southeast corner of Lot 11;  
thence South 89 degrees 46 minutes 10 seconds West, 951.77 feet along the south line of Lot 11 and the south line of the Southwest quarter of Section 17, to the POINT OF BEGINNING.

Containing 23.278 acres, more or less, and being subject to easements of record.





10' TEMPORARY CONSTRUCTION AND SLOPE EASEMENT

40' ROW

IRONWOOD DRIVE

COMMERCIAL

SUN VALLEY LOT FIELDS UNIT II

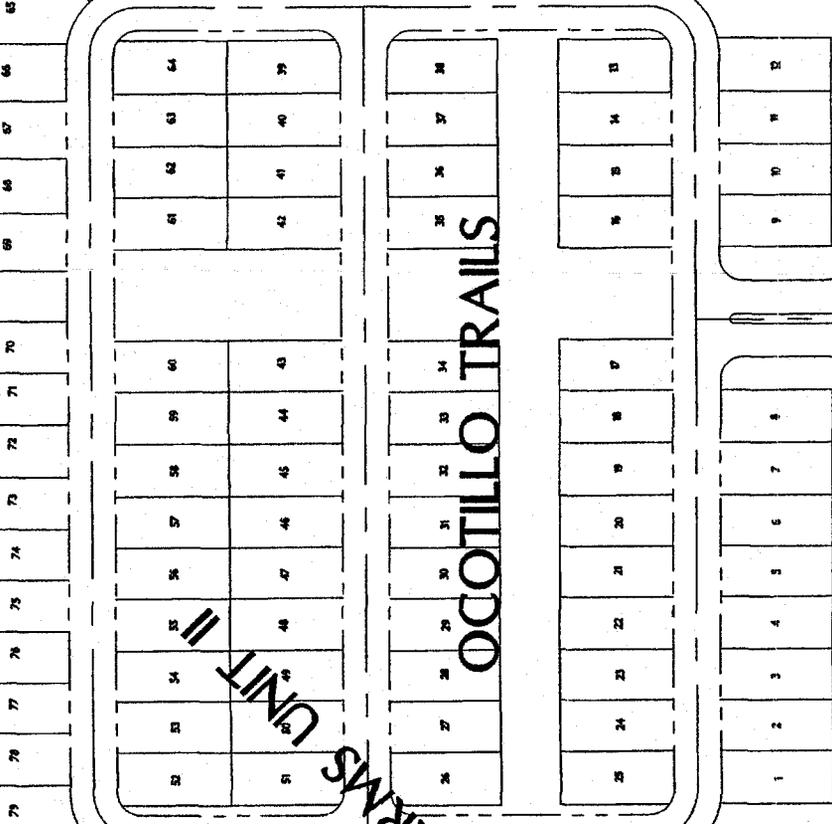
OCOTILLO TRAILS

10' TEMPORARY CONSTRUCTION AND SLOPE EASEMENT

SOUTHWEST CORNER OF SECTION 17

40' ROW

OCOTILLO ROAD



# EXHIBIT

3

**Master Wastewater Report  
For  
Ocotillo Trails  
Pinal County, Arizona**

Prepared For:

Johnson Utilities Company  
968 E. Hunt Highway  
Queen Creek, AZ 85242

Prepared By:

JMI & ASSOCIATES, INC.  
4151 NORTH MARSHALL WAY, SUITE 12  
SCOTTSDALE, ARIZONA 85251  
(480) 945-1400 FAX (480) 945-4229

JMI Job No. 04931.04

December 20, 2004



Table of Contents

1.0 INTRODUCTION..... 2  
2.0 SITE DESCRIPTION..... 2  
3.0 WASTEWATER COLLECTION SYSTEM..... 2  
4.0 FLOW ANALYSIS ..... 4  
5.0 SUMMARY..... 7

Appendix

- A. FIGURE 1 – VICINITY MAP
- B. MASTER WASTEWATER EXHIBIT
- C. LINE SIZE AND INVERT ANALYSIS
- D. MANHOLE SIZE AND INVERT ANALYSIS
- E. LOADING SUMMARY
- F. OUTLET REPORT



**MASTER WASTEWATER REPORT FOR  
OCOTILLO TRAILS  
PINAL COUNTY, ARIZONA**

**1.0 INTRODUCTION**

The purpose of this report is to design a wastewater collection system to serve the needs of the proposed site. This report shows location, size, and capacity of the proposed sewer mains for the Ocotillo Trails subdivision and neighboring commercial site to the west.

The design of the sewage lift stations, force mains, and treatment facilities are not addressed in this report. This site will be served by the Johnson Utilities District and the design of the above mentioned facilities will be coordinated with the District's engineer. These design drawings will be submitted to the Arizona Department of Environmental Quality (ADEQ) under a separate application for approval to construct.

**2.0 SITE DESCRIPTION**

Ocotillo Trails covers an area of approximately 40 acres and will consist of 82 single-family residential homes, the commercial site located adjacent Ocotillo trails consists of approximately 16 acres.

This project is located south of Taylor Ranch and east of the Gantzel Road alignment. This site is more specifically described as being located within a portion of Section 17, Township 2 south, Range 8 east of the Gila and Salt River Base and Meridian, Pinal County, Arizona. (See Fig. 1).

This site encompasses mostly flat agricultural land. Currently the land is being used to grow irrigated crops. There is some residential development in the area, including golf courses.

**3.0 WASTEWATER COLLECTION SYSTEM**

Ocotillo Trails development will tie into Taylor Ranch ultimately draining to a lift station located near the intersection of Gantzel Road and the Joy Drive alignment.

*Arizona Utility Services Summary*

The existing lift station and sewer main extension was designed by Sunbelt Utility Services LLC for Arizona Water Company. All plans associated with modifications to the existing lift station will be submitted to ADEQ under separate cover by Specific Engineering and/or Johnson Utilities Company.

The enclosed master sewer plan shows the proposed sewer system with manholes, pipe sizes, and locations of the main lines (Reference Appendices B, C, & D). Actual locations, inverts, and sizes will be verified with the final design of the sewers and adjusted to avoid conflicts with other utilities and to conform to the site and to hydrologic conditions for the area.

The primary design constraint for the system is to minimize the excavation depth as much as possible. To accomplish this we have used methods related to the minimum slope, manhole drops, and minimum invert depths. In some instances the sewer lines were oversized to maintain a flatter minimum slope. Per Johnson Utilities Company design guidelines sewer lines that run straight through a manhole are continued with no drop in the manhole. Where the sewer lines enter a manhole at an angle of 5.1-45 degrees, a 0.1' drop across the manhole was used and a 0.2' drop was used for angles between 45.1-90 degrees. All sewer lines are a minimum of eight inches in diameter with a minimum of four feet of cover. For all sewer lines with an invert depth greater than 12 feet or pipe size larger than 12", 5-foot diameter manholes with 30-inch diameter covers have been utilized. The inverts for each manhole are shown in Appendices D. Manholes have been placed whenever a change in sewer line alignment, grade or size occurs. When sewer lines of differering sizes enter the same manhole, the crown of the smaller sewer line will be at a minimum the same elevation of the crown of the larger sewer line.

#### 4.0 FLOW ANALYSIS

The following table shows the usage of each category, the dwelling units, and areas contributing to the lift station located in the future Taylor Ranch Development.

Lift Station ID	Single Family DU	Flow Rate per Family DU (gpd)	Total Flow for Family DU (gpd)	Peaking Factor	Total Flow Including Peaking Factor (gpd)
LS	82	234	19188	3.14	60250.32
Lift Station ID	Commercial Area (ac)	Flow Rate per (ac) (gpd)	Total Flow for Family DU (gpd)	Peaking Factor	Total Flow Including Peaking Factor (gpd)
LS	16	1000	16000	3.0	48000

Lift Station ID	Total Flow Single Family DU & Commercial Area Including Peaking Factors	Wet Weather Flow Infiltration & Inflow (GPAD)	Total Flow Including Peaking Factor & Infiltration (gpd)
LS	108250.32	10000	118250.32

This is based upon the approved Pinal County Preliminary Plats and the zoning approved as a part of the Ocotillo Trails Planned Area Development (P.A.D.). Manning's equation was used for determining the proposed pipe sizes. A friction factor of 0.013 (for PVC), and a minimum velocity of 2.0 ft/s when flowing full was used to determine minimum slopes. The calculated flows, minimum pipe sizes and slopes for this system are tabulated in the spreadsheet located in Appendices C.

**Sewer Design Criteria:**

The following design criteria has been utilized for all areas within the Johnson Utilities service area unless directed otherwise by the Company, ADEQ or the A.C.C.

90 GPCD for all residential areas requiring sewers (ADWF)

1.8 persons/D.U. for all Adult Community Residences

2.6 persons/D.U. for all Family Community Residences

1000 GPAD for all commercial and school areas (ADWF)

3.0 Peaking Factor for all commercial and school areas (PDWF)

250 GPAD for wet weather flow infiltration and inflow

Residential peaking factors are based on the tributary population. The peaking factor relationship adopted by the Pima County Wastewater Management Department has been used to develop the residential peak dry-weather wastewater effluent (see Table 1).

**Table 1**  
**Peak Dry Weather Flow Factor Ratios for Wastewater Basin Study**

Pima County Wastewater Management

NOTE: THIS TABLE MEETS THE REQUIREMENTS OF THE ARIZONA ADMINISTRATIVE CODE

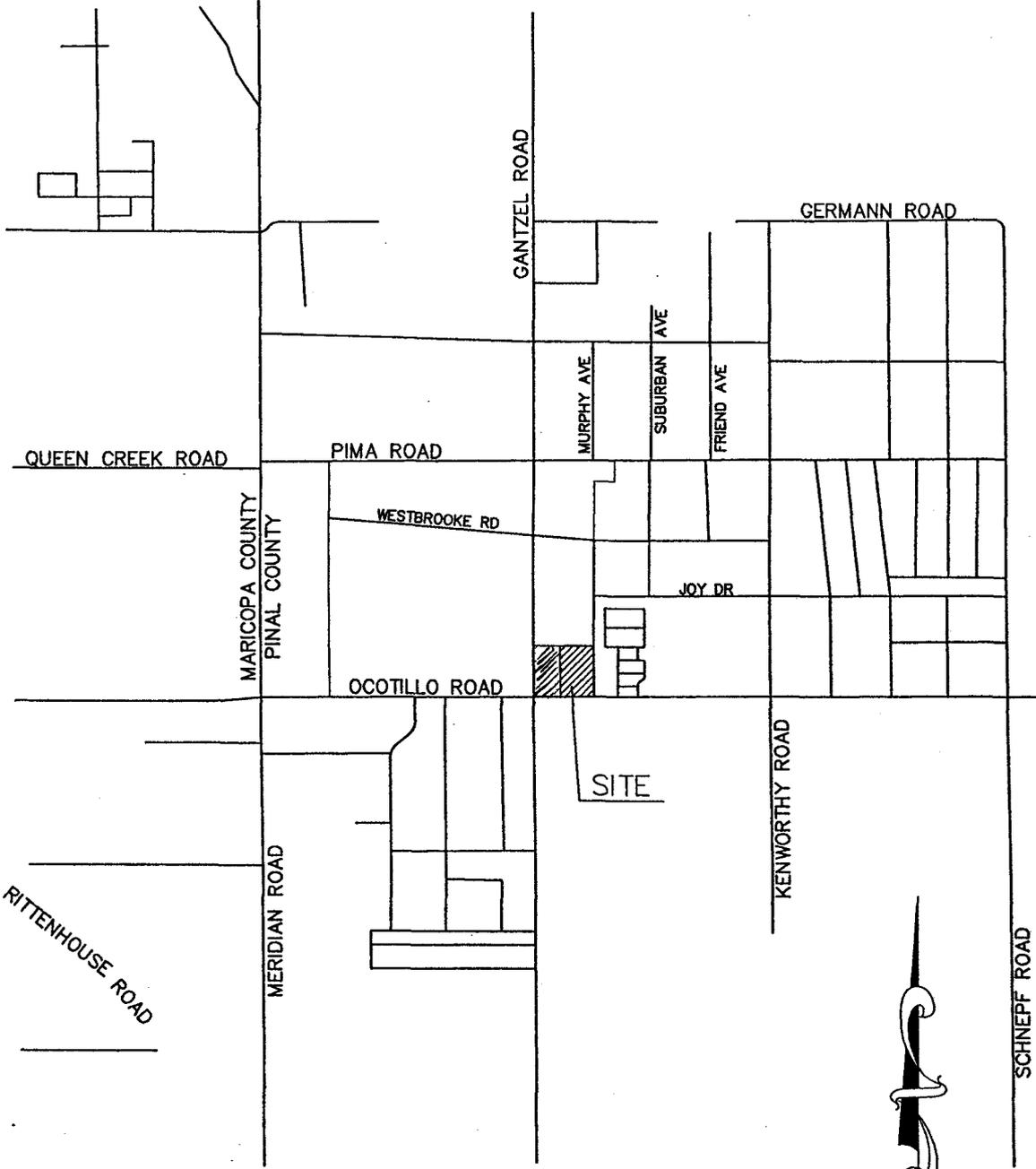
POPULATION	PEAKING FACTOR
100	3.62
200	3.14
300	2.90
400	2.74
500	2.64
600	2.56
700	2.50
800	2.46
900	2.42
1000	2.38
1500	2.28
2000	2.20
2500	2.15
3000	2.10
4000	2.02
5000	1.98
6000	1.93
7000	1.92
8000	1.89
9000	1.87
10000	1.85
15000	1.80
20000	1.74
25000	1.71
30000	1.69

## **5.0 SUMMARY**

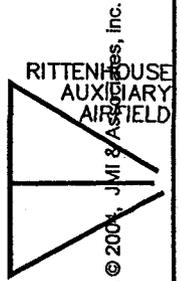
The master sewer collection system shown on the master sewer exhibit reflects the system designed for this study. The designed system will adequately convey the wastewater flow generated by the study area to the appropriate lift station, where it will be pumped to the nearest treatment facility.

When constructed in accordance with this report, Johnson Utilities, and Pinal County requirements, the system described by this study will serve the needs of the Ocotillo Trails development. The detailed design of the future subdivisions and mixed use areas will follow this report and make any adjustments for site specific conditions as necessary, while conforming to the conditions described herein.

APPENDIX A  
FIGURE 1 – VICINITY MAP



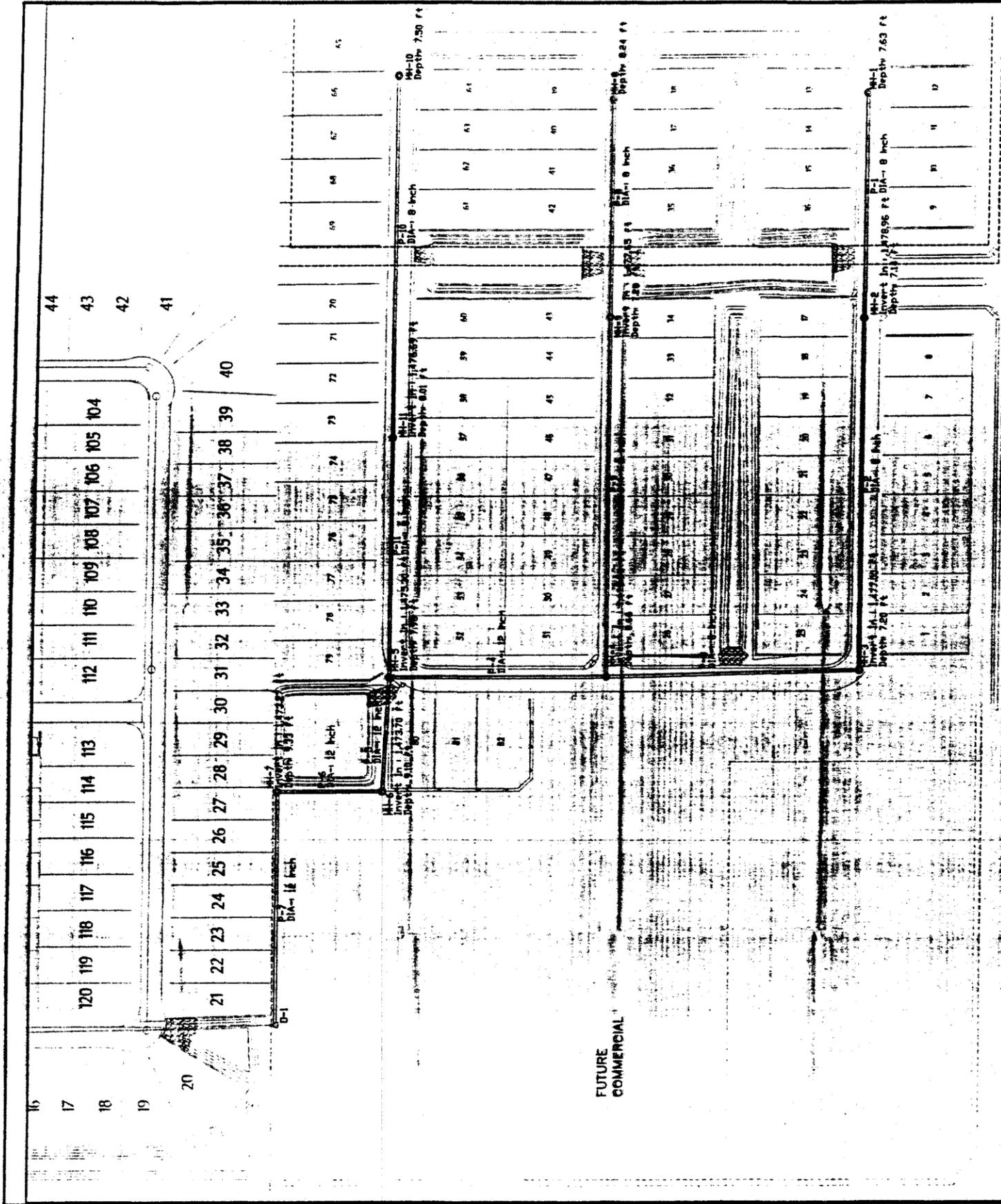
VICINITY MAP  
N.T.S.



RITTENHOUSE Auxiliary Airfield, Inc. JMI & ASSOCIATES, Inc. 4151 NORTH MARSHALL WAY SUITE 12 SCOTTSDALE, AZ 85251 480.343.1400

 <b>JMI &amp; ASSOCIATES</b> CONSULTING CIVIL ENGINEERS <small>4151 NORTH MARSHALL WAY SUITE 12 SCOTTSDALE, AZ 85251 480.343.1400</small>		<b>FIGURE 1:</b> <b>VICINITY MAP</b> <b>OCOTILLO TRAILS</b>	JOB NO. <b>000001</b>
			SHEET <b>1 OF 1</b>
DATE: 08/05/04 SCALE: N.T.S. DRAWN BY:	CHECKED BY:		

APPENDIX B  
MASTER WASTEWATER EXHIBIT



FUTURE  
COMMERCIAL

LEGEND

MH-X MANHOLE

P-X PIPE



**JMI & ASSOCIATES**  
 REGISTERED PROFESSIONAL ENGINEERS  
 CIVIL  
 1000 N. GULF BLVD., SUITE 100  
 FORT WORTH, TEXAS 76102  
 (817) 733-1111

COOILLO TRAILS  
 MASTER SEWER EXHIBIT  
 PINAL COUNTY

DATE: 08/14/2014  
 SHEET: 1 of 1

APPENDIX C  
LINE SIZE AND INVERT ANALYSIS

Line Size & Invert Analysis

Label	Upstream Node	Upstream Invert Elevation (ft)	Downstream Node	Downstream Invert Elevation (ft)	Section Size	Length (ft)	Bend Angle (degrees)	Slope (ft/ft)	Manning's n	Total Flow (gpd)	Full Capacity (gpd)	d/D Depth Rise (%)	Total Wet Weather Flow (gpd)	Infiltration Additional Flow (gpd)	Infiltration Load Type
P-1	MH-1	1,480.57	MH-2	1,478.96	8 inch	310.00	1.71e-13	.005194	0.013	7,521.94	562,819.62	7.7	909.10	909.10	None
P-2	MH-2	1,478.86	MH-3	1,477.00	8 inch	490.00	88.81	.003796	0.013	15,043.88	481,166.71	11.2	1,818.20	909.10	None
P-3	MH-3	1,476.80	MH-4	1,475.27	8 inch	354.00	1.22	.004322	0.013	22,566.82	513,429.98	13.5	2,727.30	909.10	None
P-4	MH-4	1,474.94	MH-5	1,474.30	12 inch	292.00	87.27	.002192	0.013	45,131.64	1,077,984.19	12.4	5,454.60	909.10	None
P-5	MH-5	1,474.10	MH-6	1,473.70	12 inch	159.00	87.35	.002516	0.013	68,432.22	1,154,902.35	14.9	8,181.90	909.10	None
P-6	MH-6	1,473.60	MH-7	1,473.27	12 inch	139.00	90.04	.002374	0.013	117,341.32	1,121,923.90	19.6	9,091.00	909.10	None
P-7	MH-7	1,473.17	O-1	1,472.53	12 inch	322.00	0.00	.001988	0.013	118,250.42	1,026,540.01	20.2	10,000.10	909.10	None
P-8	MH-8	1,479.21	MH-9	1,477.65	8 inch	300.00	7.96e-13	.005200	0.013	7,521.94	563,169.09	7.7	909.10	909.10	None
P-9	MH-9	1,477.55	MH-4	1,475.65	8 inch	500.00	90.15	.003800	0.013	15,043.88	481,425.33	11.2	1,818.20	909.10	None
P-10	MH-10	1,479.29	MH-11	1,476.69	8 inch	500.00	0.29	.005200	0.013	7,521.94	563,169.09	7.7	909.10	909.10	None
P-11	MH-11	1,476.59	MH-5	1,475.30	8 inch	333.00	2.54	.003874	0.013	15,778.64	486,082.38	11.5	1,818.20	909.10	None

APPENDIX D  
MANHOLE SIZE AND INVERT ANALYSIS

Manhole Size & Invert Analysis

Label	Structure Diameter (ft)	Rim Elevation (ft)	Ground Elevation (ft)	Sump Elevation (ft)	Structure Depth (ft)	Hydraulic Grade Line In (ft)	Hydraulic Grade Line Out (ft)	Headloss Method	HEC-22 Banching Method	Sanitary Unit Load Type	Number Residences	Sanitary Base Load (gpd)	Total Flow (gpd)
MH-1	4.00	1,488.20	1,488.20	1,480.57	7.63	1,480.62	1,480.62	HEC-22 Energy	Half	JUResidence	9.00	2,106.00	6,612.84
MH-2	4.00	1,486.00	1,486.00	1,478.86	7.14	1,478.94	1,478.94	HEC-22 Energy	Half	JUResidence	9.00	2,106.00	14,134.78
MH-3	4.00	1,484.00	1,484.00	1,476.80	7.20	1,476.90	1,476.90	HEC-22 Energy	Half	JUResidence	9.00	2,106.00	21,656.72
MH-4	5.00	1,483.60	1,483.60	1,474.94	8.66	1,475.08	1,475.08	HEC-22 Energy	Half	JUResidence	9.00	2,106.00	44,222.54
MH-5	5.00	1,482.08	1,482.08	1,474.10	7.98	1,474.27	1,474.27	HEC-22 Energy	Half	JUResidence	9.00	2,106.00	67,523.12
MH-6	5.00	1,482.80	1,482.80	1,473.70	9.10	1,473.82	1,473.82	HEC-22 Energy	Half	JUCommercial	16.00	16,000.00	116,432.22
MH-7	5.00	1,482.50	1,482.50	1,473.17	9.33	1,473.40	1,473.40	HEC-22 Energy	Half	<None>	N/A	0.00	117,341.32
MH-8	4.00	1,487.45	1,487.45	1,479.21	8.24	1,479.26	1,479.26	HEC-22 Energy	Half	JUResidence	9.00	2,106.00	6,612.84
MH-9	4.00	1,484.83	1,484.83	1,477.55	7.28	1,477.63	1,477.63	HEC-22 Energy	Half	JUResidence	9.00	2,106.00	14,134.78
MH-10	5.00	1,486.79	1,486.79	1,479.29	7.50	1,479.34	1,479.34	HEC-22 Energy	Half	JUResidence	9.00	2,106.00	6,612.84
MH-11	4.00	1,484.60	1,484.60	1,476.59	8.01	1,476.67	1,476.67	HEC-22 Energy	Half	JUResidence	10.00	2,340.00	14,869.54

APPENDIX E  
LOADING SUMMARY

LOADING SUMMARY (RESIDENTIAL)					LOADING SUMMARY (SCHOOL/PARK)				WET WEATHER FLOW	
Manhole	Contributing D.U. Ocotillo Trails	Flow Rate per D.U. (gpd)	Peaking Factor	Total Flow from D.U. (gpd)	Contributing Commercial Areas (acres)	Flow Rate per Acre (gpd)	Peaking Factor	Total Flow Commercial Areas (gpd)	Total Flow Wet Weather Flow Infiltration & Inflow (gpd)	TOTAL FLOW (gpd)
MH-11	10	234	3.14	7348	0	1000	3	0	909.10	8256.7
MH-10	9	234	3.14	6613	0	1000	3	0	909.10	7521.9
MH-9	9	234	3.14	6613	0	1000	3	0	909.10	7521.9
MH-8	9	234	3.14	6613	0	1000	3	0	909.10	7521.9
MH-7	0	234	3.14	0	0	1000	3	0	909.10	909.1
MH-6	0	234	3.14	0	16	1000	3	48000	909.10	48909.1
MH-5	9	234	3.14	6613	0	1000	3	0	909.10	7521.9
MH-4	9	234	3.14	6613	0	1000	3	0	909.10	7521.9
MH-3	9	234	3.14	6613	0	1000	3	0	909.10	7521.9
MH-2	9	234	3.14	6613	0	1000	3	0	909.10	7521.9
MH-1	9	234	3.14	6613	0	1000	3	0	909.10	7521.9
<b>TOTAL</b>	<b>82</b>	<b>234</b>	<b>32.14</b>	<b>60250</b>	<b>16</b>	<b>1000</b>	<b>3</b>	<b>48000</b>	<b>10000</b>	<b>118250</b>

gpd = gallon per day

D.U. = Single Family Dwelling Units

**TOTAL**

**LOADING SUMMARY (WET WEATHER FLOW INFILTRATION AND INFLOW)**

Pipe	Infiltration Load Type	Total Service Area (acres)	Flow Rate (gpad)	Total Flow (gpd)
TOTAL	Wet Weather Flow Infiltration & Inlow	40	250	10000

Pipe	Distribution (gpd)
P-11	909.10
P-10	909.10
P-9	909.10
P-8	909.10
P-7	909.10
P-6	909.10
P-5	909.10
P-4	909.10
P-3	909.10
P-2	909.10
P-1	909.10
TOTAL	10000

APPENDIX F  
OUTLET REPORT

Scenario: Base

### Outlet Report

Label	Station (ft)	Ground Elevation (ft)	Set Rim Equal to Ground Elevation?	Rim Elevation (ft)	Sump Elevation (ft)	Tailwater Condition	Tailwater Elevation (ft)	Total Flow (gpd)	Description
O-1	0+00	1,481.30	true	1,481.30	1,472.53	Free Outfall		118,250.42	

# **EXHIBIT**

**4**

**Johnson Utilities - Ocotillo Trails CC&N Extension Wastewater  
Projected Incremental Revenues and Expenses  
For the 12 Months Ended**

Exhibit

Line No.	Year				
	1	2	3	4	5
3	\$ 5,486	\$ 30,863	\$ 53,916	\$ 57,079	\$ 57,079
4					
5	648	3,953	6,934	7,258	7,258
6	180	1,098	1,926	2,016	2,016
7	36	220	385	403	403
8	630	3,843	6,741	7,056	7,056
9					
10					
11	\$ 1,494	\$ 9,113	\$ 15,986	\$ 16,733	\$ 16,733
12					
13					
14	2,421	743	243	243	243
15	1,200	1,236	1,273	1,311	1,351
16	41	4,136	8,001	8,909	9,060
17	176	446	963	1,513	1,793
18					
19	\$ 3,838	\$ 6,561	\$ 10,480	\$ 11,976	\$ 12,446
20					
21					
22	5,332	15,675	26,465	28,709	29,179
23					
24	\$ 154	\$ 15,188	\$ 27,451	\$ 28,370	\$ 27,900

# **EXHIBIT**

**5**



4151 N. Marshall Way, Suite 12 - Scottsdale, Arizona 85251 - 480.945.1400

# Ocotillo Trails

## Opinion of Probable Construction Quantities (Sewer)

SEWER	Quantity	Unit	Unit Price	Total
8" PVC	2,792	LF	\$13.00	\$36,296.00
12" PVC	912	LF	\$20.00	\$18,240.00
5' DIAMETER MANHOLE	5	EA	\$2,000.00	\$10,000.00
4' DIAMETER MANHOLE	7	EA	\$1,500.00	\$10,500.00
4" SEWER TAP	79	EA	\$225.00	\$17,775.00
4" SEWER TAP IN MANHOLE	3	EA	\$225.00	\$675.00
			<b>Subtotal:</b>	<b>\$93,486.00</b>





0000014653

**AT&T**

**Voice Over IP**

T-000001-04-0749

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**February 4, 2005**

Arizona Corporation Commission  
**DOCKETED**

FEB 03 2005

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**Letty Friesen - ATT**



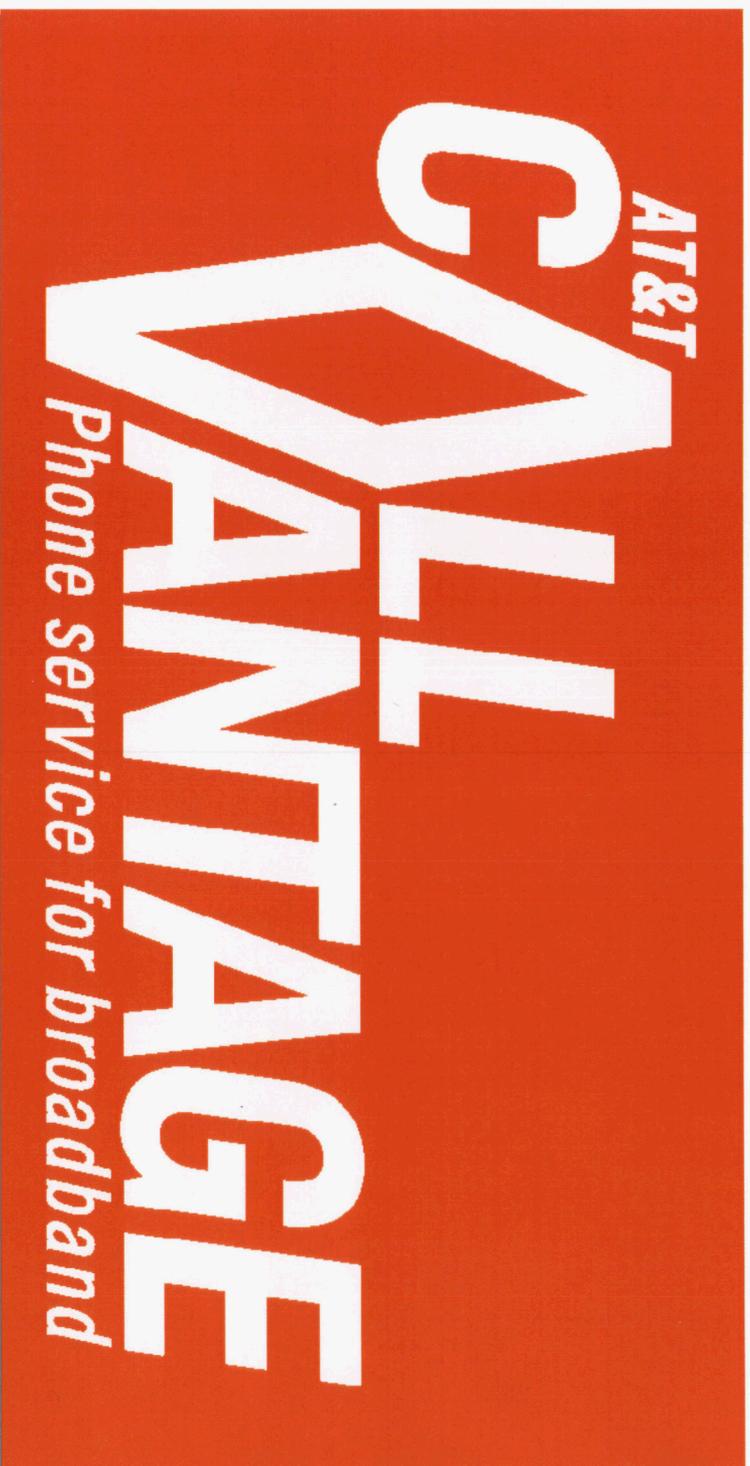
**AT&T**

AT&T Proprietary Information



# **VOIP Has a New Name...**

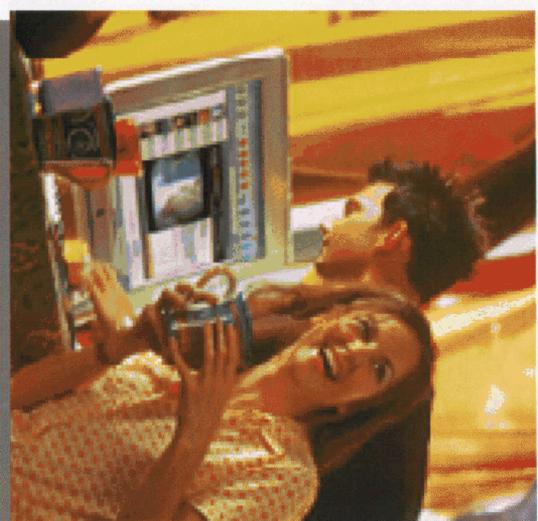
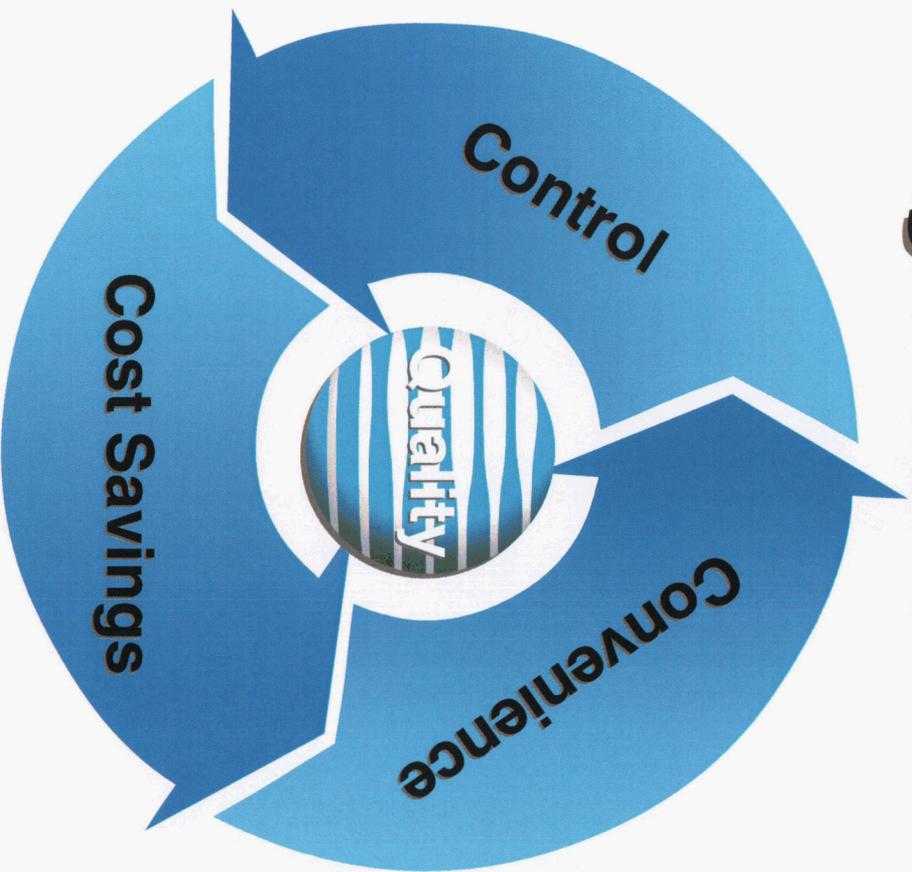
**It's CallVantage from AT&T**



*Phone service for broadband*

**[www.att.com/voip](http://www.att.com/voip)**

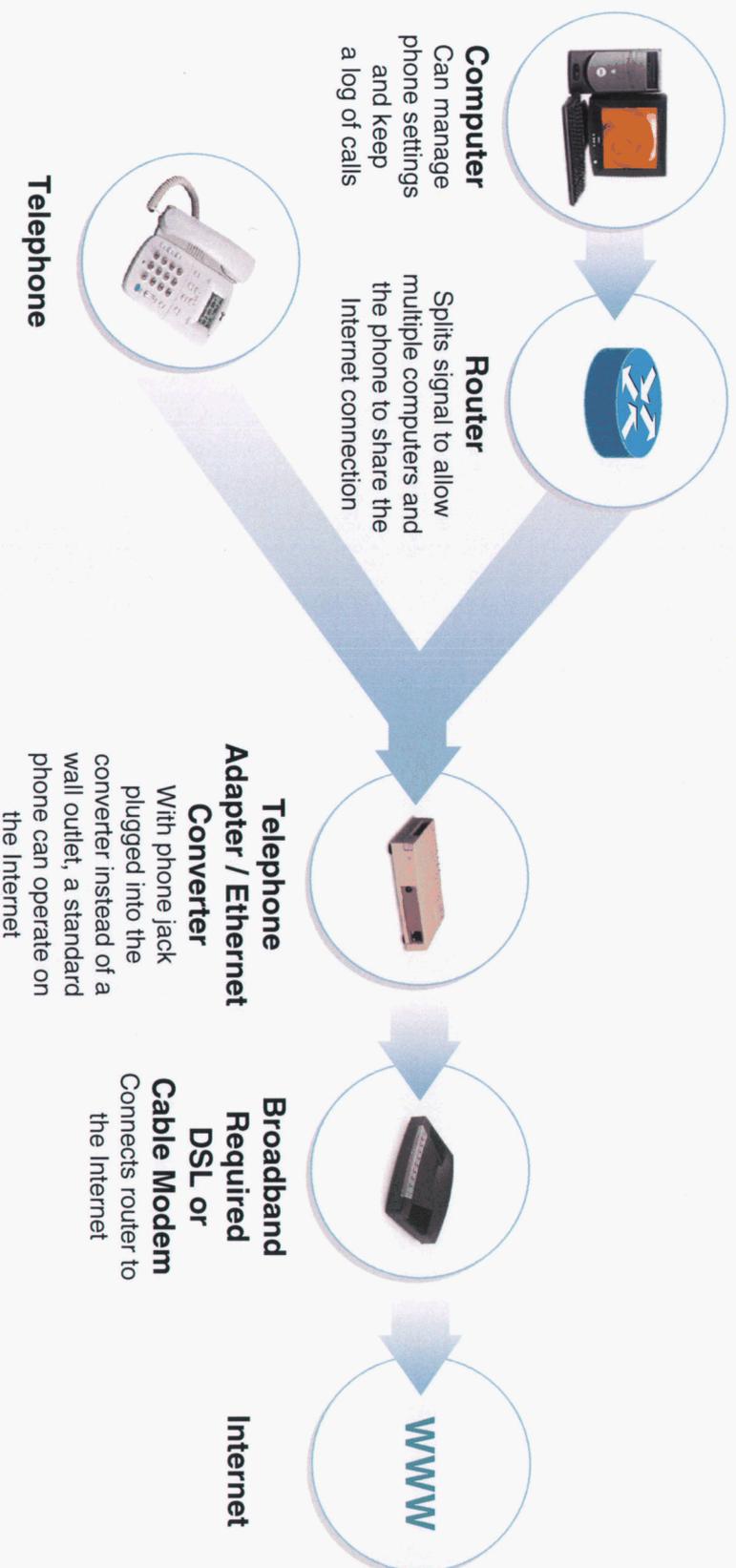
# Giving Consumers What They Want



With VoIP, AT&T will provide Local & Long Distance & Advanced Applications & Mobility -- all on our own platform

# AT&T "CallVantage" Consumer VoIP Enabler

## Using Terminal Adapters to Commoditize Broadband Access



- **Broadband Internet Connection**
- **Standard Telephone Plugged Into Telephone Adapter**

**Where We Are Today**

# AT&T CallVantage-User Dashboard



**CONTROL PANEL**

- Phone Feature Manager (512) 555-1212
- CHANGE SETTINGS
- Voice Mail + eFeatures
- 1 new message(s)
  - GET VOICEMAIL
  - CHANGE SETTINGS
- Call Logs
  - Last 3 calls received:
  - (732) 368-1000
  - (732) 368-1000
  - (732) 368-1000
  - VIEW CALL LOGS
- Do Not Disturb
  - ACTIVE
  - CHANGE SETTINGS
  - Locate Me
- ENABLED
  - ENABLE LOCATE ME
  - CHANGE SETTINGS
- Personal Conferencing
  - ACTIVE
  - START NOW
  - SCHEDULE CONFERENCE
  - CHANGE SETTINGS

**AT&T CALLVANTAGE** Phone service for broadband

WELCOME: John Ark    YOUR ACCOUNT: 3035371600

[Home](#)    [Your Account](#)    [About](#)    [Logout](#)

**help**

Learn how to use your service

**tips**

Read about things you should know

**feedback**

Tell us about AT&T CallVantage Service

**Your Personal CALL MANAGER**

**Your Features:**

**PHONE FEATURE MANAGER**  
Phone in to get voice mail, set up **Do Not Disturb**, activate **Locate Me**, and more.  
[Learn More](#)

**VOICE MAIL + eFeatures**  
Access your messages over the phone AND the web, forward to email - even set alerts.  
[Learn More](#)

**CALL LOGS**  
View a list of calls you placed and received. Find the number you need and click to dial.  
[Learn More](#)

**DO NOT DISTURB**  
Set up your AT&T CallVantage Service phone to **Intercept phone calls** when you do not wish to be disturbed.  
[Learn More](#)

**PERSONAL CONFERENCING**  
Set up a "meeting room" for up to ten callers on the same line.  
[Learn More](#)

**LOCATE ME**  
Set up your service so callers can find you at other phone numbers - so you don't miss your important calls.  
[Learn More](#)

**SPEED DIAL**  
Single-digit shortcuts for the numbers you call most, accessible from the web, your service phone, or your Phone Feature Manager.  
[Learn More](#)

**BASIC PHONE FEATURES**  
Caller ID, Call Waiting and Call Forwarding are also included.  
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# AT&T CallVantage--Advanced Feature Capabilities

*Creating Value and Differentiation via Applications – Enabling Consumers to Communicate More Effectively*

The screenshot shows the AT&T Consumer Digital Solutions website interface. The browser title is "Welcome to AT&T Consumer Digital Solutions(sm) - Microsoft Internet Explorer provided by AT&T WorldNet Service". The address bar shows "https://www.tak.att.com/cds/access?objName=EP\_C\_GENUIN". The website header includes the AT&T logo and navigation links: Home, About CDS, My Account, and Logout. The main content area features a "Personal CALL MANAGEMENT SERVICE" section with a "tell us about..." link. A sidebar on the left contains a "24x7 Call Management" section with options like "Do Not Disturb", "NOT ACTIVE", "VIEW CALL LOGS", "SABLED", "ENABLE LOCATE ME", "CHANGE SETTINGS", and "NOT ACTIVE". A "Feature Education and Easy Access" section is also visible. Callouts from external text boxes point to specific features on the page.

8 new advanced features with Personalized web-based management

Dynamic product information

24x7 Call Management available via voice or web – ultimate control!

Online Credit Card Billing

International Rates, Help, Product Feedback

Feature Education and Easy Access

Where We Are Today

AT&T Proprietary Information

# AT&T CallVantage – Call Logs



**AT&T CALLVANTAGE** *Phone service for broadband*

Home
Your Account
About
Logout

WELCOME: **John Ark**    YOUR ACCOUNT: **3035371600**

PHONE FEATURE MANAGER
VOICE MAIL + eFEATURES
CALL LOGS
DO NOT DISTURB
PERSONAL CONFERRING

LOCATE ME
SPEED DIAL
BASIC PHONE FEATURES

[HELP](#)  
[FEEDBACK](#)  
[RATES](#)

**YOUR FEATURES:**

- Related Features
- VOICE MAIL
- HELP
- FEEDBACK
- DID YOU KNOW...


  
 ...you can **interact** with your voice mail?  
[LEARN MORE ABOUT VOICE MAIL + eFEATURES](#)

**Call Logs**

Here's your list of incoming calls.

Need extra help? [Call Logs Tips...](#)

**CALL LOGS**

View received calls, placed calls, or all calls by clicking the pull-down below.

Received Calls ▼    [GO](#)

**ACTIONS:** LISTEN TO VOICE MAIL MSG    CLICK TO DIAL    ANYWHO LOOKUP

Type	Number	Lookup	Date & Time	My Phone
Received	(732) 555-1212		04 Feb 13 10:01am ET	(512) 555-1212
Received	(732) 555-1212		04 Feb 13 10:00am ET	(512) 555-1212
Received	(732) 555-1212		04 Feb 13 9:59am ET	(512) 555-1212

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