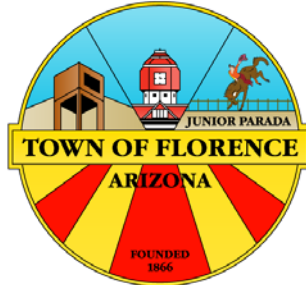


TOWN OF FLORENCE REGULAR MEETING AGENDA

Mayor Tara Walter
Vice-Mayor Vallarie Woolridge
Councilmember Bill Hawkins
Councilmember Becki Guilin
Councilmember John Anderson
Councilmember Karen Wall
Councilmember Kristen Larsen



Florence Town Hall
775 N. Main Street
Florence, AZ 85132
(520) 868-7500
www.florenceaz.gov
Meet 1st and 3rd Mondays

Monday, March 6, 2017

6:00 PM

Pursuant to A.R.S. § 38-431.02, notice is hereby given to the Town of Florence Council and to the general public that a Regular Meeting of the Florence Town Council will be held on Monday, March 6, 2017, at 6:00 p.m., in the Florence Town Council Chambers, located at 775 N. Main Street, Florence, Arizona. The agenda for this meeting is as follows:

1. CALL TO ORDER

2. ROLL CALL: Walter __, Woolridge __, Hawkins __, Guilin __, Anderson __, Wall __, Larsen __.

3. MOMENT OF SILENCE

4. PLEDGE OF ALLEGIANCE

5. CALL TO THE PUBLIC

Call to the Public for public comment on issues within the jurisdiction of the Town Council. Council rules limit public comment to three minutes. Individual Councilmembers may respond to criticism made by those commenting, may ask staff to review a matter raised or may ask that a matter be put on a future agenda. However, members of the Council shall not discuss or take action on any matter during an open call to the public unless the matters are properly noticed for discussion and legal action.

6. PRESENTATION

a. **Presentation on** the Capital Improvement Projects. (Joe Jarvis)

7. CONSENT: All items on the consent agenda will be handled by a single vote as part of the consent agenda, unless a Councilmember or a member of the public objects at the time the agenda item is called.

a. **Approval of accepting** the register of demands ending January 31, 2017, in the amount of \$1,965,008.22.

8. NEW BUSINESS

- a. **Resolution No. 1618-17:** Discussion/Approval/Disapproval of A RESOLUTION OF THE TOWN OF FLORENCE, PINAL COUNTY, ARIZONA, ACCEPTING THE TOWN OF FLORENCE SOUTH WASTEWATER RECLAMATION FACILITY MASTER PLAN, INCLUDING THE PRELIMINARY DESIGN REPORT PREPARED BY WATERWORKS ENGINEERS AND TO CONSIDER THE STUDY RECOMMENDATIONS WHERE APPROPRIATE AND FEASIBLE. (Chris Salas)
- b. **Discussion/Approval/Disapproval** of entering into a contract with FWC Supply, LLC, through a City of Phoenix Cooperative Contract, to provide parts for waterline projects on 1st Street, medical office building, and Circle K, in an amount not to exceed \$100,000. (Chris Salas)
- c. **Discussion/Approval/Disapproval** to extend the professional services contract term with EUSI, LLC, through March 31, 2018 and approval of Task Order No. 4 to the professional services contract for Public Works Management Support and Consulting Services, in an amount not to exceed \$56,400, plus project related fees. (Chris Salas)

9. LEGISLATIVE REPORT

10. TOWN MANAGER'S REPORT

11. DEPARTMENT REPORTS

- a. **Community Development**
- b. **Courts**
- c. **Finance**
- d. **Fire**
- e. **Library**
- f. **Parks and Recreation**
- g. **Police**
- h. **Public Works**

12. CALL TO THE PUBLIC

13. CALL TO THE COUNCIL – CURRENT EVENTS ONLY

14. ADJOURN TO EXECUTIVE SESSION

An Executive Session will be held during the Council Meeting for the purposes of discussions or consultations with designated representatives of the public body and/or legal counsel pursuant to A.R.S. Sections 38-431.03 (A)(3) and (A)(4) to consider its position and instruct its representatives and/or attorneys regarding:

- a. Town's position and instruct its attorneys in regards to pending litigation in Maricopa County Superior Court: Town of Florence v. Florence Copper, Inc. CV2015 -000325.
- b. Town's position and instruct its attorneys in regards to Arizona Department of Environmental Quality proceedings and related Water Quality Appeals Board Case No. 16-002.

- c. Pinal County Air Quality Control District Permit Class II Renewal, Permit No. B31219.000, Florence Copper, Inc. Update.

15.ADJOURN FROM EXECUTIVE SESSION

16.ADJOURNMENT

Council may go into Executive Session at any time during the meeting for the purpose of obtaining legal advice from the Town's Attorney(s) on any of the agenda items pursuant to A.R.S. § 38-431.03(A)(3).

POSTED ON MARCH 2, 2017, BY LISA GARCIA, TOWN CLERK, AT 775 NORTH MAIN STREET, FLORENCE, ARIZONA, AND AT WWW.FLORENCEAZ.GOV.

*****PURSUANT TO TITLE II OF THE AMERICANS WITH DISABILITIES ACT (ADA), THE TOWN OF FLORENCE DOES NOT DISCRIMINATE ON THE BASIS OF DISABILITY REGARDING ADMISSION TO PUBLIC MEETINGS. PERSONS WITH A DISABILITY MAY REQUEST REASONABLE ACCOMMODATIONS BY CONTACTING THE TOWN OF FLORENCE ADA COORDINATOR, AT (520) 868-7574 OR (520) 868-7502 TDD. REQUESTS SHOULD BE MADE AS EARLY AS POSSIBLE TO ALLOW TIME TO ARRANGE THE ACCOMMODATION.*****

**TOWN OF FLORENCE
COMBINED SUMMARY
CAPITAL IMPROVEMENT PROJECT**

PROJECT #	PROJECT TITLE	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
GG-23	2020 General Plan (RTP & PTOSMP)		350,000	300,000			650,000
GG-XX	Territory Square Expansion Phase 1					550,000	550,000
GG-XX	Network Server Infrastructure		16,000	56,000	125,600		197,600
GG-XX	Enterprise Data Storage Infrastructure	15,200	1,650	10,400	15,200		42,450
GG-XX	GIS Server		8,000	17,000			25,000
GG-XX	Silver King Balcony Repairs	10,000					10,000
POC-12	Florence Cemetery Main Access Paving			50,000			50,000
POC-13	Florence Cemetery Fencing		17,800				17,800
POC-25	Ancient Order of United Workers Cemetery/Florence Rotary		30,000	250,000	50,000		330,000
POC-26	Central Arizona Project Canal (CAP) Trail Development					25,000	25,000
POC-28	Heritage Park Improvements			266,000	801,990	801,990	1,869,980
POC-29	Dog Park Improvements			13,313	98,001	133,814	245,128
POC-30	Main Street Park Improvements			22,238	171,097	193,597	386,932
POC-31	Poston Butte Open Space and Trails Development (Grant)	69,000	275,000	915,000			1,259,000
POC-32	Parks & Recreation Maintenance Building (Formerly GG-16)		50,600	527,300			577,900
PSF/P-01	Radio Equipment (Grant)			226,000			226,000
Fire	Cardiac Monitors (Grants)			35,000	35,000	35,000	105,000
PSF-02	Extrication Equipment (Grant)		35,000				35,000
PSP-06	Remodel of Evidence Building Garage			650,000			650,000
	GENERAL FUND TOTAL CAPITAL	94,200	784,050	3,338,251	1,296,888	1,739,401	7,252,790

PROJECT #	PROJECT TITLE	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
SU-01	Storm Water Master Plan		100,000	200,000			300,000
T-08	Street Improvement Phase IV - Florence Gardens (Hurff Bond)	750,000					750,000
T-09	Street Improvement Phase V - Florence Gardens (Hurff Bond)	875,000					875,000
T-12	Kelvin Highway Bridge Replacement		500,000		4,000,000		4,500,000
T-14	Roundabout or intersection improvement @ SH79 & 287			1,500,000			1,500,000
T-17	Diversion Dam Improvements	83,000					83,000
T-31	Felix Road 1/2 Road Improvements (Mesquite Trails)	50,000	575,000				625,000
T-32	Adamsville Rd 3/4 Mile Extension to Plant Road				225,000		225,000
T-40	Street Improvements - Ruggles				225,000		225,000
T-41	Pinal St Drainage (Butte to Ruggles Ditch)				525,000		525,000
T-44	Hunt Highway (Phase III south to county line)		50,000	304,000			354,000
T-48	Centennial Park Avenue (Butte to SR 287)				76,000	1,600,000	1,676,000
T-52	Hunt Highway (Town Limits to SR-79)		1,284,000				1,284,000
T-53	Desert Color Parkway (Hunt to Felix) Phase I		138,000	1,160,000			1,298,000
T-54	Walker butte Parkway (Phase I)	400,000	4,000,000				4,400,000
T-55	Florence Heights Road (Main to SR 79)	30,000	1,284,000	300,000			1,614,000
T-62	Attaway/Hunt Intersection Improvements	125,000	700,000				825,000
T-65	Hunt Highway Improve @ Franklin Road Phase I	848,000					848,000
T-60	E. 1st Street Pavement (HURF Bond)	600,000					600,000
T-61	Survey Monumentation/Benchmarking - Phase I		100,000				100,000
T-64	Elementary School Area Improvements	500,000					500,000
T-66	Adamsville Road Improvements (Central to Centennial Park)				850,000		850,000
T-67	Adamsville Road Main to Central			1,000,000			1,000,000
T-69	Pavement Preservation	600,000	500,000	500,000	500,000	500,000	2,600,000
T-XX	PARA Grant	250,000					250,000
T-XX	SRTS Grant and HURF	42,000	10,000				52,000
	HURF TOTAL CAPITAL	5,153,000	9,241,000	4,964,000	6,401,000	2,100,000	27,859,000

PROJECT #	PROJECT TITLE	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
WU-23	Water Well #1/ Chlorine Building	350,000					350,000
WU-26	Water Storage Tank N Florence	20,000					20,000
WU-38	Water Line Replacements	325,000	325,000	325,000	325,000	325,000	1,625,000
WU-67	Merrill Ranch Well (Initial)				90,000	1,000,000	1,090,000
WU-80	Well #3 Noise	10,000					10,000
WU-XX	Downtown 12" Loop (CDBG)	500,000	525,000	550,000			1,575,000
WU-XX	12" line extension to serve Florence High School	45,000	231,500	125,000			401,500
WU-XX	Water upgrade south of 287				125,000		125,000
WU-XX	Centennial Park Road 8" Loop			80,000	145,000		225,000
WU-XX	12" Upgrade from Ruggles to Butte				425,000		425,000
WU-XX	Well refitting	40,000	40,000	40,000	40,000	40,000	200,000
WU-XX	Well #4 Well Pump Inspection and Rebuild		110,000				110,000
WATER FUND - TOTAL CAPITAL		1,290,000	1,231,500	1,120,000	1,150,000	1,365,000	6,156,500
PROJECT #	PROJECT TITLE	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
SU-05	Recharge Injection Wells/Polishing Lagoons		500,000				500,000
SU-06	Sewer Main Extensions & Replacements	150,000	150,000	150,000	150,000	150,000	750,000
SU-20	Recharge Facility Expansion			40,000	200,000		240,000
SU-84	Miscellaneous (Sewer Projects)	100,000	100,000	100,000	100,000	100,000	500,000
SU-85	Recharge Permitting & Design	50,000					50,000
SU-XX	WWTP Compliance/Permitting Equipment	38,500					38,500
SU-XX	South WWTP Improvement Modifications	200,000	300,000				500,000
SU-XX	South WWTP Expansion Headworks	150,000	1,000,000	1,000,000			2,150,000
SU-XX	System Wide Capacity/Condition Analysis	150,000					150,000
SU-XX	Main Street Sewer Main Replacement		500,000	500,000			1,000,000
SU-XX	Annual Sewer Line Maintenance Program	65,000	65,000	65,000	65,000	65,000	325,000
SU-XX	SWWTP sound/odor attenuation	75,000					75,000
SU-XX	SWWTP disinfection system upgrade			25,000	3,000,000		3,025,000
SU-XX	Merrill Ranch Waste Water Treatment Plant location, design, and construction		75,000				75,000
SU-11	Florence - WWTP Expansion				2,000,000	15,150,000	17,150,000
SU-13	WWTP Expansion (N. Florence)	250,000					250,000
SU-15	Lift Station at Hunt Highway & SR 79				40,000	330,000	370,000
SEWER FUND - TOTAL CAPITAL		1,228,500	2,690,000	1,880,000	5,555,000	15,795,000	27,148,500

PROJECT #	PROJECT TITLE	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
NEW	Senior Van Cut-away (5310 Grant)	75,000					75,000
PW-HURF	Street Sweeper (CMAQ Grant)	176,000					176,000
Sanitation	1/2 ton Double Cab Pickup (Enterprise)	30,000					30,000
PS-PD	Patrol	41,000					41,000
PS-PD	Patrol	41,000					41,000
PSF-03	Water Tender (Grant)	200,000					200,000
PSF-04	Utility/Support Vehicle Refit		20,000				20,000
PS-PD	Patrol		41,000				41,000
PS-PD	Patrol		41,000				41,000
PS-PD	Patrol		41,000				41,000
PS-PD	Patrol		41,000				41,000
PW-HURF	Dump Truck		124,000				124,000
PW-HURF	Pickup			36,000			36,000
PW-HURF	Pickup			36,000			36,000
PW-HURF	Pickup			36,000			36,000
PS-PD	Patrol			41,000			41,000
PS-PD	Patrol			41,000			41,000
PS-PD	Patrol			41,000			41,000
PW-Utilities	Pickup			72,000			72,000
PW-HURF	Water Truck			90,000			90,000
PSF-05	Transitional Response Vehicle (Grant)			160,000			160,000
PW-Sewer	Jetter Truck			340,000			340,000
PS-PD	Patrol				41,000		41,000
PS-PD	Patrol				41,000		41,000
PS-PD	Patrol				41,000		41,000
PS-PD	Patrol				41,000		41,000
PW-HURF	Stake Bed Truck				59,000		59,000
PW-Utilities	Pickup					36,000	36,000
PW-Utilities	Pickup					36,000	36,000
PW-HURF	Pickup					36,000	36,000
PW-HURF	Pickup					36,000	36,000
PS-PD	Patrol					41,000	41,000
PS-PD	Patrol					41,000	41,000
PS-PD	Patrol					41,000	41,000
	FLEET & MINOR CAPITAL PROJECTS TOTAL	563,000	308,000	893,000	223,000	267,000	2,254,000
	TOTAL CAPITAL PROJECTS	8,328,700	14,254,550	12,195,251	14,625,888	21,266,401	70,670,790

**TOWN OF FLORENCE
GENERAL GOVERNMENT
CAPITAL IMPROVEMENT PROJECT**

PROJECT #	PROJECT TITLE	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
GG-23	2020 General Plan (RTP & PTOSMP)		350,000	300,000			650,000
GG-XX	Territory Square Expansion Phase 1					550,000	550,000
GG-XX	Network Server Infrastructure		16,000	56,000	125,600		197,600
GG-XX	Enterprise Data Storage Infrastructure	15,200	1,650	10,400	15,200		42,450
GG-XX	GIS Server		8,000	17,000			25,000
GG-XX	Silver King Balcony Repairs	10,000					10,000
	TOTAL PROJECT COST	25,200	375,650	383,400	140,800	550,000	1,475,050

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Capital Project Fund	25,200	375,650	383,400	140,800	550,000	1,475,050
TOTAL PROJECT FUNDING	25,200	375,650	383,400	140,800	\$550,000	1,475,050

PROJECT NUMBER

GG-23

PROJECT TITLE

2020 Town of Florence General Plan

PROJECT DESCRIPTION

Legally mandated update of the Town's General Plan to be sent to voters in 2020. Concurrent update of Parks, Trails and Open Space Master Plan

PROJECT LOCATION

Town's Planning Area

PROJECT BENEFITS

Legal compliance. Long range planning and visioning.

COMMENTS

Commence in 2018 and send to Council for approval in 2019. Send General Plan to voters in 2020.

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis		350,000	300,000			\$650,000
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction						\$0
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$0	\$350,000	\$300,000	\$0	\$0	\$650,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Capital Project Fund		350,000	300,000			\$650,000
TOTAL PROJECT FUNDING	\$0	\$350,000	\$300,000	\$0	\$0	\$650,000

PROJECT NUMBER

GG-XX

PROJECT TITLE

Territory Square Expansion Phases

PROJECT DESCRIPTION

Ongoing Grading and Fill and LOMR Projects

PROJECT LOCATION

Territory Square

PROJECT BENEFITS

Continued progress on TS master plan and creation of additional marketable and developable land in TS project.

COMMENTS

Ground work only. Excludes infrastructure.

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees					50,000	\$50,000
Real Estate Acquisition						\$0
Site Preparation					500,000	\$500,000
Construction						\$0
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$0	\$0	\$0	\$0	\$550,000	\$550,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Capital Project Fund					550,000	\$550,000
TOTAL PROJECT FUNDING	\$0	\$0	\$0	\$0	\$550,000	\$550,000

PROJECT NUMBER**GG-XX****PROJECT TITLE**

Network Server Infrastructure

PROJECT DESCRIPTION

Provides funding for phased replacement of the hardware and software required to operate the Town's computer network server environment in a safe and reliable manner. Requirements include physical hardware, software upgrades for the network operating systems and client access licenses.

PROJECT LOCATION

Florence

PROJECT BENEFITS

Conforms to adopted plans, goals, objectives & policies; Improves quality of life; Alleviates substandard conditions of deficiencies.

COMMENTS

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction						\$0
Furnishings & Equipment		16,000	56,000	125,600		\$197,600
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$0	\$16,000	\$56,000	\$125,600	\$0	\$197,600

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Capital Project Fund		16,000	56,000	125,600		\$197,600
TOTAL PROJECT FUNDING	\$0	\$16,000	\$56,000	\$125,600	\$0	\$197,600

PROJECT NUMBER**GG-XX****PROJECT TITLE**

Enterprise Data Storage Infrastructure

PROJECT DESCRIPTION

Provides funding to maintain and upgrade the backend data storage required for virtual infrastructure and backups. This includes Storage Area Network (SAN) hardware, software, and backup hardware. Data storage requirements continue to increase requiring additional storage capacity and proper hardware and software to perform data backups. The project provides funding to perform SAN storage upgrades and increase storage capacity.

PROJECT LOCATION

Florence

PROJECT BENEFITS

Conforms to adopted plans, goals, objectives & policies; Improves quality of life; Alleviates substandard conditions of deficiencies.

COMMENTS

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction						\$0
Furnishings & Equipment	15,200	1,650	10,400	15,200		\$42,450
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$15,200	\$1,650	\$10,400	\$15,200	\$0	\$42,450

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Capital Project Fund	15,200	1,650	10,400	15,200		\$42,450
TOTAL PROJECT FUNDING	\$15,200	\$1,650	\$10,400	\$15,200	\$0	\$42,450

PROJECT NUMBER**GG-XX****PROJECT TITLE**

GIS Server

PROJECT DESCRIPTION

Upgrade existing 2008 GIS physical server hardware that provides GIS services to the community and Town Staff. Allows for upgrade paths of newer GIS software and mapping features, as well as increased storage for updated aerial photography and additional compute power for mapping.

PROJECT LOCATION

Florence

PROJECT BENEFITS

Conforms to adopted plans, goals, objectives & policies; Improves quality of life; Alleviates substandard conditions of deficiencies.

COMMENTS

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction						\$0
Furnishings & Equipment		8,000	17,000			\$25,000
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$0	\$8,000	\$17,000	\$0	\$0	\$25,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Capital Project Fund		8,000	17,000			\$25,000
TOTAL PROJECT FUNDING	\$0	\$8,000	\$17,000	\$0	\$0	\$25,000

PROJECT NUMBER**GG-XX****PROJECT TITLE**

Silver King Balcony Repairs

PROJECT DESCRIPTION

To perform construction to the well worn balcony that is in need of structural repair due to weather and use.

PROJECT LOCATION

Florence

PROJECT BENEFITS

Conforms to adopted plans, goals, objectives & policies; Improves quality of life; Alleviates substandard conditions of deficiencies.

COMMENTS

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction	10,000					\$10,000
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$10,000	\$0	\$0	\$0	\$0	\$10,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Capital Project Fund	10,000					\$10,000
TOTAL PROJECT FUNDING	\$10,000	\$0	\$0	\$0	\$0	\$10,000

**TOWN OF FLORENCE
PARK/OPEN SPACE/COMMUNITY SERVICES
CAPITAL IMPROVEMENT PROJECT**

PROJECT #	PROJECT TITLE	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
POC-12	Florence Cemetery Main Access Paving			50,000			50,000
POC-13	Florence Cemetery Fencing		17,800				17,800
POC-25	Ancient Order of United Workers Cemetery/Florence Rotary		30,000	250,000	50,000		330,000
POC-26	Central Arizona Project Canal (CAP) Trail Development					25,000	25,000
POC-28	Heritage Park Improvements			266,000	801,990	801,990	1,869,980
POC-29	Dog Park Improvements			13,313	98,001	133,814	245,128
POC-30	Main Street Park Improvements			22,238	171,097	193,597	386,932
POC-31	Poston Butte Open Space and Trails Development (Grant)	69,000	275,000	915,000			1,259,000
TOTAL PROJECT COST		69,000	322,800	1,516,551	1,121,088	1,154,401	4,183,840
PROJECT FUNDING							
		FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Capital Project Fund			322,800	1,516,551	1,121,088	1,154,401	\$ 4,114,840
Grants		69,000					\$ 69,000
TOTAL PROJECT FUNDING		69,000	322,800	1,516,551	1,121,088	1,154,401	4,183,840

PROJECT NUMBER POC-12 (2004 CIP Ranking 100)

PROJECT TITLE Florence Cemetery Main Access Paving

PROJECT DESCRIPTION Paving (chip sealing) of Main Access through Florence Cemetery (Phase 1)

PROJECT LOCATION Florence Cemetery

PROJECT BENEFITS Improves dust control, drainage, and aesthetics of Cemetery Grounds

COMMENTS

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees			1,200			\$1,200
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction			48,800			\$48,800
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$0	\$0	\$50,000	\$0	\$0	\$50,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Capital Project Fund			50,000			\$50,000
TOTAL PROJECT FUNDING	\$0	\$0	\$50,000	\$0	\$0	\$50,000

PROJECT NUMBER POC-13 (2004 CIP Ranking 104)

PROJECT TITLE Florence Cemetery Fencing

PROJECT DESCRIPTION Replace/repair existing fence around cemetery for security reasons, primarily with ATV's with 5' "Horse Fence" (8500-LF)

PROJECT LOCATION Town of Florence Cemetery

PROJECT BENEFITS Security; Conforms to adopted plans, goals, objectives & policies; Improves quality of life; Alleviates substandard conditions of deficiencies.

COMMENTS Fencing has deteriorated allowing entrance for ATV's and may deter vandalism

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees		800				\$800
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction		17,000				\$17,000
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$0	\$17,800	\$0	\$0	\$0	\$17,800

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Capital Project Fund		17,800				\$17,800
TOTAL PROJECT FUNDING	\$0	\$17,800	\$0	\$0	\$0	\$17,800

PROJECT NUMBER POC-25

PROJECT TITLE Ancient Order of United Workers Cemetery/Florence Rotary

PROJECT DESCRIPTION Purchase of land for the Cemetary on Adamsville

PROJECT LOCATION Adamsville Road

PROJECT BENEFITS Historic preservation

COMMENTS

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees						\$0
Real Estate Acquisition		30,000	250,000			\$280,000
Site Preparation						\$0
Construction				50,000		\$50,000
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$0	\$30,000	\$250,000	\$50,000	\$0	\$330,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Capital Project Fund		30,000	250,000	50,000		\$330,000
TOTAL PROJECT FUNDING	\$0	\$30,000	\$250,000	\$50,000	\$0	\$330,000

PROJECT NUMBER POC-26

PROJECT TITLE Central Arizona Project Canal (CAP) Trail Development

PROJECT DESCRIPTION Development of trail along CAP Canal through Town limits connecting the trail from Lake Havasu City to Tucson.

PROJECT LOCATION CAP Canal through Florence Town Limits

PROJECT BENEFITS Included in adopted Parks and Recreation Master Plan and Town General Plan. Improves quality of life and potential economic impact through

COMMENTS Pinal County updated their Trails Master Plan in 2015 related to this project. Trail will connect with future trails throughout town and region. 10+ years for full development.

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis					25,000	\$25,000
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction						\$0
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$0	\$0	\$0	\$0	\$25,000	\$25,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Capital Project Fund					25,000	\$25,000
TOTAL PROJECT FUNDING	\$0	\$0	\$0	\$0	\$25,000	\$25,000

PROJECT NUMBER POC-28

PROJECT TITLE Heritage Park Improvements

PROJECT DESCRIPTION Possible improvements include sidewalk connectivity, area lighting, picnic ramadas, landscape and irrigation, lighted parking, restroom/concession renovations.

PROJECT LOCATION Heritage Park

PROJECT BENEFITS Plan. Improves quality of life and potential economic impact through tourism. Overall improvement to facility for residents and visitors.

COMMENTS Only community park in town. Never fully developed. Need to update Park Master Plan to determine existing use and needs prior to redevelopment. Phase improvements.

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees			266,000			\$266,000
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction				801,990	801,990	\$1,603,980
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$0	\$0	\$266,000	\$801,990	\$801,990	\$1,869,980

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Capital Project Fund			266,000	801,990	801,990	\$1,869,980
TOTAL PROJECT FUNDING	\$0	\$0	\$266,000	\$801,990	\$801,990	\$1,869,980

PROJECT NUMBER POC-29

PROJECT TITLE Dog Park Improvements

PROJECT DESCRIPTION Possible improvements, primarily focused in Dog Park, include shade ramadas, secondary entry, landscape and irrigation, signage and park amenities.

PROJECT LOCATION Little League Park

PROJECT BENEFITS Plan. Improves quality of life and potential economic impact through tourism. Overall improvement to facility for residents and visitors.

COMMENTS Park includes only dog park in town. Increased shade necessary, along with area lighting to increase hours of use available.

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees			13,313		13,313	\$26,626
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction				98,001	98,001	\$196,002
Furnishings & Equipment					22,500	\$22,500
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$0	\$0	\$13,313	\$98,001	\$133,814	\$245,128

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Capital Project Fund			13,313	98,001	133,814	\$245,128
TOTAL PROJECT FUNDING	\$0	\$0	\$13,313	\$98,001	\$133,814	\$245,128

PROJECT NUMBER POC-30

PROJECT TITLE Main Street Park Improvements

PROJECT DESCRIPTION Possible improvements include new picnic ramadas, restroom, area lighting, landscape and irrigation, signage and park amenities.

PROJECT LOCATION Main Street Park

PROJECT BENEFITS Included in adopted Parks and Recreation Master Plan and Town General Plan. Improves quality of life and potential economic impact through

COMMENTS Heavily used park in need of updates. No permanent restroom onsite. Playgrounds installed in 2014 increased use of park. Need for permanent acquisition from ADOT.

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees			22,238			\$22,238
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction				171,097	171,097	\$342,194
Furnishings & Equipment					22,500	\$22,500
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$0	\$0	\$22,238	\$171,097	\$193,597	\$386,932

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Capital Project Fund			22,238	171,097	193,597	\$386,932
TOTAL PROJECT FUNDING	\$0	\$0	\$22,238	\$171,097	\$193,597	\$386,932

PROJECT NUMBER POC-31

PROJECT TITLE Poston Butte Open Space and Trails Development

PROJECT DESCRIPTION Development includes parking areas, picnic ramadas, new and improved multi-use trails, interpretive signage and railroad crossing.

PROJECT LOCATION Poston Butte (F Mountain)

PROJECT BENEFITS Included in adopted Parks and Recreation Master Plan and Town General Plan. Improves quality of life and potential economic impact through

COMMENTS Trails in area are already heavily used. Improvements would increase safety and access. Phase improvements.

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis	39,000					\$39,000
Architectural/engineering fees		115,000				\$115,000
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction	30,000	160,000	915,000			\$1,105,000
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$69,000	\$275,000	\$915,000	\$0	\$0	\$1,259,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Capital Project Fund	39,000	275,000	915,000			\$1,229,000
Grants	30,000					\$30,000
TOTAL PROJECT FUNDING	\$69,000	\$275,000	\$915,000	\$0	\$0	\$1,259,000

**TOWN OF FLORENCE
PUBLIC SAFETY
CAPITAL IMPROVEMENT PROJECT**

PROJECT #	PROJECT TITLE	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
PSF/P-01	Radio Equipment			226,000			226,000
Fire	Cardiac Monitors (Grants)			35,000	35,000	35,000	105,000
PSF-02	Extrication Equipment		35,000				35,000
PSP-06	Remodel of Evidence Building Garage			650,000			650,000
TOTAL PROJECT COST		\$0	\$35,000	\$911,000	\$35,000	\$35,000	\$1,016,000
PROJECT FUNDING							
		FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Capital Project Fund				385,000	35,000	35,000	\$455,000
Grants			35,000	226,000			\$261,000
Financing				300,000			\$300,000
TOTAL PROJECT FUNDING		-	35,000	911,000	35,000	35,000	1,016,000

PROJECT NUMBER PSF/P-01

PROJECT TITLE Radio Equipment

PROJECT DESCRIPTION Replace radios that are being phased out by Motorola

PROJECT LOCATION Fire and Police Department

PROJECT BENEFITS Maintain serviceable radios for public safety

COMMENTS Normal replacement schedule

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction						\$0
Furnishings & Equipment			226,000			\$226,000
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$0	\$0	\$226,000	\$0	\$0	\$226,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Capital Project Fund			226,000			\$226,000
TOTAL PROJECT FUNDING	\$0	\$0	\$226,000	\$0	\$0	\$226,000

PROJECT NUMBER Fire

PROJECT TITLE Cardiac Monitors

PROJECT DESCRIPTION 12 lead EKG Cardiac Monitors

PROJECT LOCATION All

PROJECT BENEFITS This device is utilized by Paramedics for cardiac diagnostic and treatment purposes

COMMENTS Normal Replacement

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction						\$0
Furnishings & Equipment			35,000	35,000	35,000	\$105,000
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$0	\$0	\$35,000	\$35,000	\$35,000	\$105,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Capital Project Fund			35,000	35,000	35,000	\$105,000
TOTAL PROJECT FUNDING	\$0	\$0	\$35,000	\$35,000	\$35,000	\$105,000

PROJECT NUMBER PSF-02

PROJECT TITLE Extrication Equipment

PROJECT DESCRIPTION Replace vehicle extrication equipment

PROJECT LOCATION Station 541

PROJECT BENEFITS Maintain proper type of equipment for vehicle extrication purposes

COMMENTS Normal replacement schedule

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction						\$0
Furnishings & Equipment		35,000				\$35,000
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$0	\$35,000	\$0	\$0	\$0	\$35,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Grants		35,000				\$35,000
TOTAL PROJECT FUNDING	\$0	\$35,000	\$0	\$0	\$0	\$35,000

PROJECT NUMBER PSP-06

PROJECT TITLE Remodel of Evidence Building Garage into a Training Room

PROJECT DESCRIPTION Construction of a Training/Fitness room utilizing the garage area of the Evidence Building

PROJECT LOCATION Evidence Building: Building 200 - 425 N. Pinal Street

PROJECT BENEFITS Will provide an onsite Training/Fitness facility for police personnel

COMMENTS This training facility will allow the PD to utilize more in-house training and provide a facility for physical fitness

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees			75,000			\$75,000
Real Estate Acquisition						\$0
Site Preparation			75,000			\$75,000
Construction			350,000			\$350,000
Furnishings & Equipment			150,000			\$150,000
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$0	\$0	\$650,000	\$0	\$0	\$650,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Capital Project Fund			650,000			\$650,000
TOTAL PROJECT FUNDING	\$0	\$0	\$650,000	\$0	\$0	\$650,000

**TOWN OF FLORENCE
TRANSPORTATION
CAPITAL IMPROVEMENT PROJECT**

PROJECT #	PROJECT TITLE	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
SU-01	Storm Water Master Plan		100,000	200,000			300,000
T-08	Street Improvement Phase IV - Florence Gardens (Hurf Bond)	750,000					750,000
T-09	Street Improvement Phase V - Florence Gardens (Hurf Bond)	875,000					875,000
T-12	Kelvin Highway Bridge Replacement		500,000		4,000,000		4,500,000
T-14	Roundabout or intersection improvement @ SH79 & 287			2,100,000			2,100,000
T-17	Diversion Dam Improvements	83,000					83,000
T-31	Felix Road 1/2 Road Improvements (Mesquite Trails)	50,000	575,000				625,000
T-32	Adamsville Rd 3/4 Mile Extension to Plant Road				225,000		225,000
T-40	Street Improvements - Ruggles				225,000		225,000
T-41	Pinal St Drainage (Butte to Ruggles Ditch)				525,000		525,000
T-60	E. 1st Street Pavement (HURF Bond)	600,000					600,000
T-61	Survey Monumentation/Benchmarking - Phase I		100,000				100,000
T-64	Elementary School Area Improvements		500,000				500,000
T-66	Adamsville Road Improvements (Central to Centennial Park)				850,000		850,000
T-67	Adamsville Road Main to Central			1,000,000			1,000,000
T-69	Pavement Preservation	600,000	500,000	500,000	500,000	500,000	2,600,000
T-XX	PARA Grant	250,000					250,000
T-XX	SRTS Grant and HURF (School Zones)	42,000	150,000				192,000
TOTAL PROJECT COST		3,250,000	2,425,000	3,800,000	6,325,000	500,000	16,300,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
HURF	1,625,000	2,425,000	3,800,000	6,325,000	500,000	\$ 14,675,000
HURF Bond	1,625,000					\$ 1,625,000
TOTAL PROJECT FUNDING	3,250,000	2,425,000	3,800,000	6,325,000	\$500,000	\$ 16,300,000

PROJECT NUMBER SU-01 (2004 CIP Ranking 7)

PROJECT TITLE Storm Water Master Plan

PROJECT DESCRIPTION Provide a storm water master plan

PROJECT LOCATION Town of Florence

PROJECT BENEFITS Alleviate drainage problems; Improves quality of life; Design tool for private developers
Start Engineering: By Wood, Patel & Associates for Territorial Square CLOMR/LOMR

COMMENTS Partial expended in Fy 14/15 for South Florence

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis		100,000				\$100,000
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction			200,000			\$200,000
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$0	\$100,000	\$200,000	\$0	\$0	\$300,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
HURF		100,000	200,000			\$300,000
TOTAL PROJECT FUNDING	\$0	\$100,000	\$200,000	\$0	\$0	\$300,000

PROJECT NUMBER

T-08 (2004 CIP Ranking 28)

PROJECT TITLE

Street Improvement Phase IV - Florence Gardens

PROJECT DESCRIPTION

Full depth re-construction of the existing pavement section and improve storm water drainage in the project area

PROJECT LOCATION

Between Cochise & McFarland from Florence Blvd to Indiana

PROJECT BENEFITS

Improves quality of life and has public support; conforms to adopted plans, goals, objectives, and policies.

COMMENTS

The existing area is paved with a double chip on dirt. These improvement will beautify the town as well as improve storm water runoff. This project is part of an ongoing program to improve the streets and drainage of Florence. Engineering to be done for Phases IV & V. Affects water line project and may allow phase V to precede Phase IV in construction.

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction	750,000					\$750,000
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$750,000	\$0	\$0	\$0	\$0	\$750,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
HURF BOND	750,000					\$750,000
TOTAL PROJECT FUNDING	\$750,000	\$0	\$0	\$0	\$0	\$750,000

PROJECT NUMBER T-09 (2004 CIP Ranking 28)

PROJECT TITLE Street Improvement Phase V - Florence Gardens

PROJECT DESCRIPTION Full depth re-construction of the existing pavement section and improve storm water drainage in the project area

PROJECT LOCATION Between Cochise & McFarland from Florence Blvd to Indiana

PROJECT BENEFITS Improves quality of life and has public support; conforms to adopted plans, goals, objectives, and policies.

COMMENTS The existing area is paved with a double chip on dirt. These improvements will beautify the town as well as improve storm water runoff. This project is part of an ongoing program to improve the streets and drainage of Florence.

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction	875,000					\$875,000
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$875,000	\$0	\$0	\$0	\$0	\$875,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
HURF BOND	875,000					\$875,000
TOTAL PROJECT FUNDING	\$875,000	\$0	\$0	\$0	\$0	\$875,000

PROJECT NUMBER

T-12 (2004 CIP Ranking 5)

PROJECT TITLE

Kelvin Highway Bridge Replacement

PROJECT DESCRIPTION

Re-align the old Kelvin Highway at the CAP and SCIP canals and build two new bridges. The bridge over the SCIP canal has restricted load limits, condemned for years and has a dangerous approach.

PROJECT LOCATION

Butte Ave/Old Kelvin Highway

PROJECT BENEFITS

Improves safety

COMMENTS

The old Kelvin Highway, which extends east of Butte Avenue @ HWY 79 is the main access for the ASP Eyman Complex. It is only rated for 6 tons, but is used by trucks well over 6-tons and has been prohibited by the bridge that crosses the Florence - Casa Grande Canal.

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction			500,000		4,000,000	\$4,500,000
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$0	\$0	\$500,000	\$0	\$4,000,000	\$4,500,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
HURF			500,000		4,000,000	\$4,500,000
TOTAL PROJECT FUNDING	\$0	\$0	\$500,000	\$0	\$4,000,000	\$4,500,000

PROJECT NUMBER

T-14 (2004 CIP Ranking 1)

PROJECT TITLE

Roundabout or intersection improvement at SR 79B & SR 287 Intersection

PROJECT DESCRIPTION

The intersection at SR 287 and SR 79B needs to have existing hazard eliminated due to conflicting turns, eliminate congestion during peak flows

PROJECT LOCATION

SR 79B & SR 287 Intersection

PROJECT BENEFITSConforms to adopted plans, goals, objectives and policies.
Enhances public safety. Provides circulation to Town efficiently**COMMENTS**

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction				2,100,000		\$2,100,000
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$0	\$0	\$0	\$2,100,000	\$0	\$2,100,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
HURF				2,100,000		\$2,100,000
TOTAL PROJECT FUNDING	\$0	\$0	\$0	\$2,100,000	\$0	\$2,100,000

PROJECT NUMBER T-17 (2004 CIP Ranking 35)

PROJECT TITLE Diversion Dam Road Improvements

PROJECT DESCRIPTION This project will improve Diversion Dam Road from HWY 79 to Bowling Road

PROJECT LOCATION Diversion Dam Road

PROJECT BENEFITS Improves traffic safety; Alleviates substandard condition of road deficiencies; Easy to maintain.

COMMENTS Diversion Dam Road is a narrow (27') two lane paved Road. The pavement consists of several layers of chip seal on native material. The pavement is failing. Too much traffic congestion in the area which will get worse as the two new businesses in the area get built. Project includes minor infrastructure installation for proposed future ADOT traffic signal at SR79/Diversion Dam Rd.

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction	83,000					\$83,000
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$83,000	\$0	\$0	\$0	\$0	\$83,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
HURF	83,000					\$83,000
TOTAL PROJECT FUNDING	\$83,000	\$0	\$0	\$0	\$0	\$83,000

PROJECT NUMBER T-31

PROJECT TITLE Felix Road 1/2 Road Improvements (Mesquite Trails)

PROJECT DESCRIPTION Improve 9-land 1/2 road improvements adjacent to Mesquite Trails (Wildhorse Estates & Crestfield Manor)

PROJECT LOCATION Felix Road

PROJECT BENEFITS Expand capacity of existing service level/facility

COMMENTS Improve continuity and safety level of road system at build out

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees	50,000					\$50,000
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction		575,000				\$575,000
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$50,000	\$575,000	\$0	\$0	\$0	\$625,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
HURF	50,000	575,000				\$625,000
TOTAL PROJECT FUNDING	\$50,000	\$575,000	\$0	\$0	\$0	\$625,000

PROJECT NUMBER T-32

PROJECT TITLE Adamsville Road 3/4 Mile Extension to Plant Road

PROJECT DESCRIPTION Improve 4-lane road improvements from old Juvenile Detention Center to Plant Road

PROJECT LOCATION Adamsville and Plant Road

PROJECT BENEFITS Expand capacity of existing service level/facility and alleviates substandard conditions of deficiencies

COMMENTS Improve continuity and LOS of road system at build out.

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis					225,000	\$225,000
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction						\$0
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$0	\$0	\$0	\$0	\$225,000	\$225,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
HURF					225,000	\$225,000
TOTAL PROJECT FUNDING	\$0	\$0	\$0	\$0	\$225,000	\$225,000

PROJECT NUMBER T-40

PROJECT TITLE Street Improvements - Ruggles

PROJECT DESCRIPTION Reconstruct Ruggles from SR 79 to Main/Willow (7500 ft).

PROJECT LOCATION SR 79 to Main/Willow

PROJECT BENEFITS Replace or repair existing facilities and equipment

COMMENTS Alleviates substandard conditions of deficiencies, minimal pavement preservation completed in FY 14/15

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis					225,000	\$225,000
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction						\$0
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$0	\$0	\$0	\$0	\$225,000	\$225,000
PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
HURF					225,000	\$225,000
TOTAL PROJECT FUNDING	\$0	\$0	\$0	\$0	\$225,000	\$225,000

PROJECT NUMBER T-41

PROJECT TITLE Pinal St. Drainage (Butte to Ruggles Ditch)

PROJECT DESCRIPTION Provide storm drainage for area from Butte to 1st Street and eliminate most flow from Main St.

PROJECT LOCATION Butte to 1st Street

PROJECT BENEFITS Expand capacity of existing service level/facility, Alleviates substandard conditions of deficiencies

COMMENTS Flow from east of Main and south of Butte migrates to the Main Street area. Cut off this flow and discharge into an outfall.

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction					525,000	\$525,000
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$0	\$0	\$0	\$0	\$525,000	\$525,000
PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
HURF					525,000	\$525,000
TOTAL PROJECT FUNDING	\$0	\$0	\$0	\$0	\$525,000	\$525,000

PROJECT NUMBER T-60

PROJECT TITLE E. 1st Street Pavement

PROJECT DESCRIPTION Full depth reconstruction of the existing pavement and storm drainage improvements to mitigate existing conditions

PROJECT LOCATION E. 1st Street

PROJECT BENEFITS

COMMENTS Deterioration of pavement exists and water line replacement is critical due to its under sizing and age.

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction	600,000					\$600,000
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$600,000	\$0	\$0	\$0	\$0	\$600,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
HURF	600,000					\$600,000
TOTAL PROJECT FUNDING	\$600,000	\$0	\$0	\$0	\$0	\$600,000

PROJECT NUMBER

T-61

PROJECT TITLE

Survey Monumentation/Benchmarking - Phase I

PROJECT DESCRIPTION

Provide benchmarks and survey control monumentation to Class A Survey Standards and 1988 Datum

PROJECT LOCATION**PROJECT BENEFITS**

Tie-in newly developed areas with regional control and update datum from 1929 Datum rather than conversion for each Project

COMMENTS

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees			100,000			\$100,000
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction						\$0
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$0	\$0	\$100,000	\$0	\$0	\$100,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
HURF			100,000			\$100,000
TOTAL PROJECT FUNDING	\$0	\$0	\$100,000	\$0	\$0	\$100,000

PROJECT NUMBER

T-64

PROJECT TITLE

Elementary School Area Improvements

PROJECT DESCRIPTION

Pavement improvements circumventing elementary school, limits are Stewart to Butte and Main Street to SR 79. Rehab to be either milling/replacing or micro seal with striping.

PROJECT LOCATION**PROJECT BENEFITS****COMMENTS**

Variation in maintenance requirements differ from street to street based upon evaluation value.

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction		500,000				\$500,000
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$0	\$500,000	\$0	\$0	\$0	\$500,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
HURF		500,000				\$500,000
TOTAL PROJECT FUNDING	\$0	\$500,000	\$0	\$0	\$0	\$500,000

PROJECT NUMBER T-66

PROJECT TITLE Adamsville Road Improvements (Central to Centennial Park)

PROJECT DESCRIPTION Improve storm drainage, provide pedestrian access and increase functional classification of Adamsville to Minor Arterial for 1,833 L.F.

PROJECT LOCATION Central to Centennial Park on Adamsville Road

PROJECT BENEFITS Expands capacity of existing service level/facility.

COMMENTS

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction				850,000		\$850,000
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$0	\$0	\$0	\$850,000	\$0	\$850,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
HURF				850,000		\$850,000
TOTAL PROJECT FUNDING	\$0	\$0	\$0	\$850,000	\$0	\$850,000

PROJECT NUMBER T-67

PROJECT TITLE Adamsville Road (Main to Central)

PROJECT DESCRIPTION

PROJECT LOCATION Main to Central on Adamsville Road

PROJECT BENEFITS Expands capacity of existing service level/facility.

COMMENTS

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction			1,000,000			\$1,000,000
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
HURF			1,000,000			\$1,000,000
TOTAL PROJECT FUNDING	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000

PROJECT NUMBER

T-69

PROJECT TITLE

Pavement Preservation

PROJECT DESCRIPTION

Improve and preserve various roads within the Town limits.

PROJECT LOCATION**PROJECT BENEFITS**

These improvements will improve road conditions in and around Town limits. This will aid in the preservation of the existing infrastructure.

COMMENTS

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction	600,000	500,000	500,000	500,000	500,000	\$2,600,000
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$600,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,600,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
HURF	600,000	500,000	500,000	500,000	500,000	\$2,600,000
TOTAL PROJECT FUNDING	\$600,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,600,000

PROJECT NUMBER T-XX

PROJECT TITLE PARA Grant

PROJECT DESCRIPTION Planning Assistance Rural Area

PROJECT LOCATION Greater Florence

PROJECT BENEFITS Provide assistance in the preliminary scoping reports and planning studies for transportation improvement

COMMENTS

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis	250,000					\$250,000
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction						\$0
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$250,000	\$0	\$0	\$0	\$0	\$250,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Grants	250,000					\$250,000
TOTAL PROJECT FUNDING	\$250,000	\$0	\$0	\$0	\$0	\$250,000

PROJECT NUMBER T-XX

PROJECT TITLE SRTS Grant and HURF (School Zones)

PROJECT DESCRIPTION Safe Routes to school

PROJECT LOCATION Florence Anthem K-8

PROJECT BENEFITS Provides funding for consultant for system assessment, identify projects to promote walking/bicycling to Florence Anthem K-8.

COMMENTS Working with school district

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis	42,000					\$42,000
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction		100,000				\$100,000
Furnishings & Equipment		50,000				\$50,000
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$42,000	\$150,000	\$0	\$0	\$0	\$192,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
HURF	2,394					\$2,394
Grants	39,606	150,000				\$189,606
TOTAL PROJECT FUNDING	\$42,000	\$150,000	\$0	\$0	\$0	\$192,000

**TOWN OF FLORENCE
WATER
CAPITAL IMPROVEMENT PROJECT**

PROJECT NO.	PROJECT TITLE	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
WU-23	Water Well #1/ Chlorine Building	350,000					350,000
WU-26	Water Storage Tank N Florence	20,000					20,000
WU-38	Water Line Replacements	325,000	325,000	325,000	325,000	325,000	1,625,000
WU-80	Well #3 Noise	10,000					10,000
WU-XX	Downtown 12" Loop (CDBG)	500,000	525,000	550,000			1,575,000
WU-XX	12" line extension to serve Florence High School	45,000	231,500	125,000			401,500
WU-XX	Water upgrade south of 287				125,000		125,000
WU-XX	Centennial Park Road 8" Loop			80,000	145,000		225,000
WU-XX	12" Upgrade from Ruggles to Butte				425,000		425,000
WU-XX	Well refitting	40,000	40,000	40,000	40,000	40,000	200,000
WU-XX	Well #4 Well Pump Inspection and Rebuild		110,000				110,000
TOTAL PROJECT COST		\$1,290,000	\$1,231,500	\$1,120,000	\$1,060,000	\$365,000	\$5,066,500

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Water	1,290,000	1,231,500	1,120,000	1,060,000	365,000	5,066,500
Impact Fees						
TOTAL PROJECT FUNDING	\$1,290,000	\$1,231,500	\$1,120,000	\$1,060,000	\$365,000	\$ 5,066,500

PROJECT NUMBER WU-23 (2004 CIP Ranking 27)

PROJECT TITLE Water Well #1/Chlorine Building

PROJECT DESCRIPTION Installation of new water well and well pump.

PROJECT LOCATION N. Florence

PROJECT BENEFITS Alleviates substandard conditions and deficiencies

COMMENTS This will assist the water company by increasing production to meet the expected growth. New pump will serve as a backup flow provider joining South Florence system with North Florence system in the event Well #1 main pump fails. Project is incomplete in that no wellhead improvements were made as well as wellhead protection and tie in to existing Well No.1 distribution.

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction	350,000					\$350,000
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$350,000	\$0	\$0	\$0	\$0	\$350,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Water	350,000					\$350,000
TOTAL PROJECT FUNDING	\$350,000	\$0	\$0	\$0	\$0	\$350,000

PROJECT NUMBER WU-26 (2004 CIP Ranking 21)

PROJECT TITLE Water Storage Tank @ Existing Tank Location

PROJECT DESCRIPTION Correct the structural deficiency of the existing large tank

PROJECT LOCATION N. Florence

PROJECT BENEFITS Alleviates substandard conditions and deficiencies

COMMENTS This will assist the water company in bringing well #2 online for additional production capabilities & removes substandard conditions while insuring sufficient capacity for flow north of Gila River. Need the additional storage for fire flow and growth. Location TBD on existing site. Meets water demand and fire flow demand while taking a 70 year old water tank out of service.

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction	20,000					\$20,000
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$20,000	\$0	\$0	\$0	\$0	\$20,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Water	20,000					\$20,000
TOTAL PROJECT FUNDING	\$20,000	\$0	\$0	\$0	\$0	\$20,000

PROJECT NUMBER WU-80

PROJECT TITLE Well #3 Noise Control

PROJECT DESCRIPTION Fencing to surpress the noise from the new well

PROJECT LOCATION

PROJECT BENEFITS Provide new facility or service capability to eliminate well noise.

COMMENTS

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction	10,000					\$10,000
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$10,000	\$0	\$0	\$0	\$0	\$10,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Water	10,000					\$10,000
TOTAL PROJECT FUNDING	\$10,000	\$0	\$0	\$0	\$0	\$10,000

PROJECT NUMBER

WU-XX

PROJECT TITLE

Downtown 12" Loop

PROJECT DESCRIPTION

Install 12" Waterline loop as outlined in the Downtown Water Line Alignment Study, Phase 1A, Phase 1B, and Phase 2.
 Phase 1A-20th @ Quartz to Collingwood @ Elizabeth, Phase 1B-Collingwood @ Elizabeth to Warner @ Butte
 Phase 2- Warner @ Butte to Ruggles @ Park

PROJECT LOCATION

Downtown

PROJECT BENEFITS

Improved Fire protection for Downtown

COMMENTS

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction	500,000	525,000	550,000			\$1,575,000
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$500,000	\$525,000	\$550,000	\$0	\$0	\$1,575,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Water	500,000	525,000	550,000			\$1,575,000
TOTAL PROJECT FUNDING	\$500,000	\$525,000	\$550,000	\$0	\$0	\$1,575,000

PROJECT NUMBER WU-XX

PROJECT TITLE 12" line extension to serve Florence High School

PROJECT DESCRIPTION 12" line extension to serve Florence High School

PROJECT LOCATION

PROJECT BENEFITS

COMMENTS

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees	45,000					\$45,000
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction		231,500	125,000			\$356,500
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$45,000	\$231,500	\$125,000	\$0	\$0	\$401,500

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Water	45,000	231,500	125,000			\$401,500
TOTAL PROJECT FUNDING	\$45,000	\$231,500	\$125,000	\$0	\$0	\$401,500

PROJECT NUMBER WU-XX

PROJECT TITLE Water upgrade south of 287

PROJECT DESCRIPTION 12" line extension from 12" water line extended to south of 287 and tying into the existing 8" at Campbell

PROJECT LOCATION 12" line extension from Hotel water line extended to south of 287 and tying into the existing 8" at Campbell

PROJECT BENEFITS Upgraded water flows and water pressures for south of 287

COMMENTS

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction				125,000		\$125,000
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$0	\$0	\$0	\$125,000	\$0	\$125,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Water				125,000		\$125,000
TOTAL PROJECT FUNDING	\$0	\$0	\$0	\$125,000	\$0	\$125,000

PROJECT NUMBER

WU-XX

PROJECT TITLE

Centennial Park Road 8" Loop

PROJECT DESCRIPTION

Tieing existing 12" line along SR287 to the existing 8" in Centennial Park Road.

PROJECT LOCATION

Tieing existing 12" line along SR287 to the existing 8" in Centennial Park Road.

PROJECT BENEFITS

Increase water pressures to nearby residential homes. Will also allow a loop system and the ability to provide water during a line break through valve isolation.

COMMENTS

Will require boring under the existing SCIDD Canal.

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction			80,000	145,000		\$225,000
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$0	\$0	\$80,000	\$145,000	\$0	\$225,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Water			80,000	145,000		\$225,000
TOTAL PROJECT FUNDING	\$0	\$0	\$80,000	\$145,000	\$0	\$225,000

PROJECT NUMBER WU-XX

PROJECT TITLE 12" Upgrade in Phoenix St. from Ruggles to Butte

PROJECT DESCRIPTION 12" Upgrade in Phoenix St. from Ruggles to Butte

PROJECT LOCATION Phoenix St. from Ruggles to Butte

PROJECT BENEFITS Provide fire flows that would support commercial development along SR79B

COMMENTS

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction				425,000		\$425,000
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$0	\$0	\$0	\$425,000	\$0	\$425,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Water				425,000		\$425,000
TOTAL PROJECT FUNDING	\$0	\$0	\$0	\$425,000	\$0	\$425,000

PROJECT NUMBER WU-XX

PROJECT TITLE Well #4 Well Pump Inspection and Rebuild

PROJECT DESCRIPTION Major overhaul of well componets

PROJECT LOCATION TBD

PROJECT BENEFITS Improve and maintain

COMMENTS

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction		110,000				\$110,000
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$0	\$110,000	\$0	\$0	\$0	\$110,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Water		110,000				\$110,000
TOTAL PROJECT FUNDING	\$0	\$110,000	\$0	\$0	\$0	\$110,000

TOWN OF FLORENCE

SEWER

CAPITAL IMPROVEMENT PROJECT

PROJECT NO.	PROJECT TITLE	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
SU-05	Recharge Injection Wells/Polishing Lagoons		500,000				500,000
SU-06	Sewer Main Extensions & Replacements	150,000	150,000	150,000	150,000	150,000	750,000
SU-20	Recharge Facility Expansion			40,000	200,000		240,000
SU-84	Miscellaneous (Sewer Projects)	100,000	100,000	100,000	100,000	100,000	500,000
SU-85	Recharge Permitting & Design	50,000					50,000
SU-XX	WWTP Compliance/Permitting Equipment	38,500					38,500
SU-XX	South WWTP Improvement Modifications	200,000	300,000				500,000
SU-XX	South WWTP Expansion Headworks	150,000	1,000,000	1,000,000			2,150,000
SU-XX	System Wide Capacity/Condition Analysis	150,000					150,000
SU-XX	Main Street Sewer Main Replacement		500,000	500,000			1,000,000
SU-XX	Annual Sewer Line Maintenance Program	65,000	65,000	65,000	65,000	65,000	325,000
SU-XX	SWWTP sound/odor attenuation	75,000					75,000
SU-XX	SWWTP disinfection system upgrade			25,000	3,000,000		3,025,000
SU-XX	Merrill Ranch Waste Water Treatment Plant location, design, and construction		75,000				75,000
TOTAL PROJECT COST		\$ 978,500	\$ 2,690,000	\$ 1,880,000	\$ 3,515,000	\$ 315,000	\$ 9,378,500

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Sewer	728,500	2,690,000	1,880,000	3,515,000	315,000	\$ 9,128,500
Impact Fees - Sewer	250,000					\$ 250,000
TOTAL PROJECT FUNDING	\$978,500	\$2,690,000	\$1,880,000	\$3,515,000	\$315,000	\$ 9,378,500

PROJECT NUMBER SU-05 (2004 CIP Ranking 66)

PROJECT TITLE Recharge Injection Wells/Polishing Lagoons

PROJECT DESCRIPTION Install injection wells for recharging effluent at polishing ponds of WWTP (Plant Road)

PROJECT LOCATION WWTP (Plant Road)

PROJECT BENEFITS Alleviates substandard conditions and deficiencies; conforms to adopted plans, goals, objectives and policies

COMMENTS Enables us to inject effluent into the ground for re-charging ground water, enables us to receive ground water credits, will no longer need to discharge into Gila River. Interim solution is to discharge to Gila River under a managed facility.

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction		500,000				\$500,000
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$0	\$500,000	\$0	\$0	\$0	\$500,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Sewer		500,000				\$500,000
TOTAL PROJECT FUNDING	\$0	\$500,000	\$0	\$0	\$0	\$500,000

PROJECT NUMBER SU-20 (2004 CIP Ranking 9)

PROJECT TITLE Recharge Facility Expansion

PROJECT DESCRIPTION Expansion of existing facility and permit acquisition

PROJECT LOCATION N. Florence WWTP

PROJECT BENEFITS Alleviates substandard conditions and deficiencies

COMMENTS With the expected growth of the North Florence WWTP and increased flows, relocation/expansion of existing re-charge facility will be needed in order to receive addition ground water credits from Assured Water Supply (AWS).

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis			20,000			\$20,000
Architectural/engineering fees			20,000			\$20,000
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction				200,000		\$200,000
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$0	\$0	\$40,000	\$200,000	\$0	\$240,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Developer Contributions			40,000	200,000		\$240,000
TOTAL PROJECT FUNDING	\$0	\$0	\$40,000	\$200,000	\$0	\$240,000

PROJECT NUMBER

SU-85

PROJECT TITLE

Recharge Permitting & Design

PROJECT DESCRIPTION

Professional services are required to complete hydrogeologic studies and engineering support to develop recharge basins at two water reclamation facilities in the Town of Florence. Required to define and characterize the lithology for the two locations, and for processing the Underground Storage Facility and Water Storage permits and any amendments to the existing Aquifer Protection Permits that the Town currently holds for the South Facility.

PROJECT LOCATION

North and South Plants

PROJECT BENEFITS

Design plans will be provided in support of permitting as well as Recharge Basin operation.

The South Plant has five (5) existing lagoons, three of which have had clean closure and two that are undergoing clean closure, to be converted to recharge basins. The North Plant has three (3) recharge basins that require permitting for the Town to receive credits for recharged effluent.

COMMENTS

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction	50,000					\$50,000
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$50,000	\$0	\$0	\$0	\$0	\$50,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Sewer	50,000					\$50,000
TOTAL PROJECT FUNDING	\$50,000	\$0	\$0	\$0	\$0	\$50,000

PROJECT NUMBER SU-XX

PROJECT TITLE WWTP Compliance/Permitting Equipment

PROJECT DESCRIPTION Replacement of critical equipment/assets needed to keep facility operational and in compliance.

PROJECT LOCATION SWWTP(Plant Road)

PROJECT BENEFITS Alleviates substandard conditions and deficiencies; conforms to adopted plans, goals, objectives and policies

COMMENTS Equipment needed for compliance and permit testing

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction	38,500					\$38,500
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$38,500	\$0	\$0	\$0	\$0	\$38,500

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Sewer	38,500					\$38,500
TOTAL PROJECT FUNDING	\$38,500	\$0	\$0	\$0	\$0	\$38,500

PROJECT NUMBER SU-XX

PROJECT TITLE South WWTP Improvement Modifications

PROJECT DESCRIPTION Modification of critical areas within SWWTP to increase efficiency and sustainability

PROJECT LOCATION Town of Florence (SWWTP)

PROJECT BENEFITS Alleviates substandard conditions and deficiencies

COMMENTS

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction	200,000	300,000				\$500,000
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$200,000	\$300,000	\$0	\$0	\$0	\$500,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Sewer	200,000	300,000				\$500,000
TOTAL PROJECT FUNDING	\$200,000	\$300,000	\$0	\$0	\$0	\$500,000

PROJECT NUMBER SU-XX

PROJECT TITLE South WWTP Expansion Headworks

PROJECT DESCRIPTION Design and construction of South WWTP Headworks

PROJECT LOCATION Florence SWWTP - Plant Road

PROJECT BENEFITS Alleviates substandard conditions and deficiencies

COMMENTS

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction	150,000	1,000,000	1,000,000			\$2,150,000
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$150,000	\$1,000,000	\$1,000,000	\$0	\$0	\$2,150,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Sewer	150,000	1,000,000	1,000,000			\$2,150,000
TOTAL PROJECT FUNDING	\$150,000	\$1,000,000	\$1,000,000	\$0	\$0	\$2,150,000

PROJECT NUMBER SU-XX

PROJECT TITLE System Wide Capacity/Condition Analysis

PROJECT DESCRIPTION Assesment of all Town Collections System

PROJECT LOCATION Town of Florence

PROJECT BENEFITS Alleviates substandard conditions and deficiencies

COMMENTS

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis	150,000					\$150,000
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction						\$0
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$150,000	\$0	\$0	\$0	\$0	\$150,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Sewer	150,000					\$150,000
TOTAL PROJECT FUNDING	\$150,000	\$0	\$0	\$0	\$0	\$150,000

PROJECT NUMBER SU-XX

PROJECT TITLE Main Street Sewer Main Replacement

PROJECT DESCRIPTION Main Street Sewer Main Replacement

PROJECT LOCATION Main Street - Florence

PROJECT BENEFITS The sewer line is old and in poor condition due to the material type. It is also undersized for the current capacity.

COMMENTS Project will require extensive cutting of the existing roadway and replacement of the pavement.

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction		500,000	500,000			\$1,000,000
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$0	\$500,000	\$500,000	\$0	\$0	\$1,000,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Water		500,000	500,000			\$1,000,000
TOTAL PROJECT FUNDING	\$0	\$500,000	\$500,000	\$0	\$0	\$1,000,000

PROJECT NUMBER SU-XX

PROJECT TITLE SWWTP sound/odor attenuation

PROJECT DESCRIPTION A.A.C. R18-9-B201 establishes requirements for noise and odor control at WWTP

PROJECT LOCATION South WWTP

PROJECT BENEFITS Ensure ADEQ Compliance

COMMENTS

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction	75,000					\$75,000
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$75,000	\$0	\$0	\$0	\$0	\$75,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Sewer	75,000					\$75,000
TOTAL PROJECT FUNDING	\$75,000	\$0	\$0	\$0	\$0	\$75,000

PROJECT NUMBER SU-XX

PROJECT TITLE SWWTP disinfection system upgrade

PROJECT DESCRIPTION Upgrade of u/v (ultraviolet) system used for primary pathogen dissenfection.

PROJECT LOCATION SWWTP (Plant Road)

PROJECT BENEFITS Alleviates substandard conditions and deficiencies

COMMENTS

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees						\$0
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction			25,000	3,000,000		\$3,025,000
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$0	\$0	\$25,000	\$3,000,000	\$0	\$3,025,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Sewer			25,000	3,000,000		\$3,025,000
TOTAL PROJECT FUNDING	\$0	\$0	\$25,000	\$3,000,000	\$0	\$3,025,000

PROJECT NUMBER SU-XX

PROJECT TITLE Merrill Ranch Waste Water Treatment Plant location, design & construction

PROJECT DESCRIPTION Merrill Ranch Waste Water Treatment Plant location, design & construction

PROJECT LOCATION TBD

PROJECT BENEFITS Development of a WWTP within Anthem/Merrill Ranch development to be served by Town Facilities

COMMENTS Initial survey and location of proposed WWTP to serve portions of Anthem/Merrill Ranch development

PROJECT COST	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Planning/feasibility analysis						\$0
Architectural/engineering fees		75,000				\$75,000
Real Estate Acquisition						\$0
Site Preparation						\$0
Construction						\$0
Furnishings & Equipment						\$0
Vehicles & Capital Equipment						\$0
TOTAL PROJECT COST:	\$0	\$75,000	\$0	\$0	\$0	\$75,000

PROJECT FUNDING	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTAL
Sewer		75,000				\$75,000
TOTAL PROJECT FUNDING	\$0	\$75,000	\$0	\$0	\$0	\$75,000

**Town of Florence
Summary of Warrants Paid
As of January 2017**

Source	Amount
Accounts Payable-Warrant Register	573,252.67
ACH/Wire Transfers	
CFD #1 debt service payments - Wells Fargo	135,235.00
CFD #2 debt service payments - Wells Fargo/Zions 1st National	176,384.37
CFD #2 trustee admin fee - Wells Fargo	250.00
debt service payment - WIFA	57,194.65
Pinal County excise tax bonds for transportation - Trustee Fees	1,250.00
sales tax payments - ADOR	19,493.00
child support/assignment PR levys	4,808.37
credit/debit/analysis/bank fees	4,979.48
FSA Collateral & Disbursements	5,919.28
AFLAC payments	5,434.91
health insurance payments - Blue Cross	166,860.88
worker's compensation	100,425.00
deferred comp payments	21,233.07
Total Transfers	699,468.01
Electronic Retirement Transfers	
ppd 1 - ASRS	43,020.78
ppd 2 - ASRS	43,446.23
ppd 1 - Securian (Firefighter Pension)	324.43
ppd 2 - Securian (Firefighter Pension)	330.90
Total Retirement Transfers	87,122.34
Payroll Transfers	
ppd 1	220,132.13
ppd 2	233,589.02
Total Payroll Transfers	453,721.15
Credit Union Transfers	
ppd 1	0.00
ppd 2	4,407.62
Total Credit Union Transfers	4,407.62
Electronic State Tax Transfers	
ppd 1	8,338.85
ppd 2	8,110.92
Total State Tax Deposits	16,449.77
Electronic Federal Tax Transfers	
ppd 1	64,579.05
ppd 2	66,007.61
Total Federal Tax Deposits	130,586.66
Total Warrants	1,965,008.22

GL Account	Check Number	Check Issue Date	Vendor Name	Invoice Number	Invoice Date	Description	Check Amount	Department Sub-Total
10160000	105251	1/24/2017	Temporary Vendor	712600-OP	1/19/2017	OVERPAYMENT	8.50	
10160000	105259	1/24/2017	Temporary Vendor	785690-OP	1/19/2017	OVERPAYMENT	17.00	
10201500	105144	1/10/2017	WEX BANK	48200631	12/31/2016	FUEL EXPENSE	12,232.24	
10202000	104785	Multiple	ARIZONA STATE TREASURER	Oct-16	12/1/2016	VOIDED CHECK	(10,160.14)	
10202000	105145	1/11/2017	ARIZONA STATE TREASURER	16-Dec	1/1/2017	STATE JCEF	354.27	
10202000	105273	1/27/2017	ARIZONA STATE TREASURER	Oct-16	1/24/2017	STATE JCEF	683.93	
10202500	105145	1/11/2017	ARIZONA STATE TREASURER	16-Dec	1/1/2017	ZFAR 1	1,218.32	
10202500	105273	1/27/2017	ARIZONA STATE TREASURER	Oct-16	1/24/2017	ZFAR 1	1,140.27	
10202501	105145	1/11/2017	ARIZONA STATE TREASURER	16-Dec	1/1/2017	ZFAR 2	309.48	
10202501	105273	1/27/2017	ARIZONA STATE TREASURER	Oct-16	1/24/2017	ZFAR 2	175.96	
10203000	105149	1/11/2017	PINAL COUNTY TREASURER	Dec-16	1/10/2017	JUSTICE COURT FEE	37.08	
10204000	105145	1/11/2017	ARIZONA STATE TREASURER	16-Dec	1/1/2017	STATE SURCHARGES	5,610.49	
10204000	105273	1/27/2017	ARIZONA STATE TREASURER	Oct-16	1/24/2017	STATE SURCHARGES	7,506.66	
10206000	105119	1/10/2017	Temporary Vendor	DV20160016	01/17	1/9/2017 BOND	294.00	
10209000	105145	1/11/2017	ARIZONA STATE TREASURER	16-Dec	1/1/2017	VICTIMS RIGHTS ENFORCEMENT	69.63	
10209000	105273	1/27/2017	ARIZONA STATE TREASURER	Oct-16	1/24/2017	VICTIMS RIGHTS ENFORCEMENT	99.83	
10210300	105228	1/20/2017	PRINCIPAL LIFE COMPANY	144683-10001	117	12/18/2016 LIFE INSURANCE	4,235.48	
10210300	105305	1/31/2017	PRINCIPAL LIFE COMPANY	1044683-10001	217	1/18/2017 GROUP LIFE	4,235.51	
10220000	105111	1/10/2017	Temporary Vendor	PPE 122316		1/5/2017 REFUND DIRECT DEPOSIT RETURNED/ACCT CLOSED	100.00	
10225000	105077	1/4/2017	AZ PUBLIC SAFETY RETIREMENT	PPE 12/2316PD		1/3/2017 RETIREMENT CONTRIBUTIONS POLICE	17,135.46	
10225000	105183	1/17/2017	AZ PUBLIC SAFETY RETIREMENT	PPE 106/17PD		1/17/2017 RETIREMENT CONTRIBUTIONS POLICE	18,115.34	
10225000	105286	1/31/2017	AZ PUBLIC SAFETY RETIREMENT	PPE 120/17PD		1/30/2017 RETIREMENT CONTRIBUTIONS POLICE	17,994.62	
10225100	105077	1/4/2017	AZ PUBLIC SAFETY RETIREMENT	PPE 1223/16FIRE		1/3/2017 ACR-FIRE PSR	276.92	
10225100	105077	1/4/2017	AZ PUBLIC SAFETY RETIREMENT	PPE 1223/16FIRE		1/3/2017 RETIREMENT CONTRIBUTIONS FIRE	15,785.95	
10225100	105183	1/17/2017	AZ PUBLIC SAFETY RETIREMENT	PPE 106/17FIRE		1/17/2017 ACR-FIRE PSR	276.92	
10225100	105183	1/17/2017	AZ PUBLIC SAFETY RETIREMENT	PPE 106/17FIRE		1/17/2017 RETIREMENT CONTRIBUTIONS FIRE	14,204.37	
10225100	105286	1/31/2017	AZ PUBLIC SAFETY RETIREMENT	PPE 120/17FIRE		1/30/2017 ACR-FIRE PSR	276.92	
10225100	105286	1/31/2017	AZ PUBLIC SAFETY RETIREMENT	PPE 120/17FIRE		1/30/2017 RETIREMENT CONTRIBUTIONS FIRE	18,038.02	
10226200	105228	1/20/2017	PRINCIPAL LIFE COMPANY	144683-10001	117	12/18/2016 DENTAL PREMIUMS	8,882.96	
10226200	105305	1/31/2017	PRINCIPAL LIFE COMPANY	1044683-10001	217	1/18/2017 DENTAL PREMIUMS	8,692.35	
10226300	105188	1/17/2017	VISION SERVICE PLAN	253996	1/17	12/21/2016 VISION INSURANCE	2,072.38	
10226300	105310	1/31/2017	VISION SERVICE PLAN	12253996-1/17		1/19/2017 VISION INSURANCE	2,005.90	
10231000	105089	1/4/2017	PINAL CO HISTORICAL SOCIETY	PASSTHRU 1216		12/20/2016 GRANT FUNDS PASS-THRU	700.00	
10232000	105085	1/4/2017	Florence Hospital at Anthem	PPE 1223/16		1/3/2017 LEVY	352.55	
10232000	105097	1/4/2017	VIAL FOTHERINGHAM, LLC	PPE 1223/16		1/3/2017 LEVY	668.56	
10232000	105184	1/17/2017	Florence Hospital at Anthem	PPE 0106/17		1/13/2017 LEVY	370.57	
10232000	105187	1/17/2017	VIAL FOTHERINGHAM, LLC	PPE 0106/17		1/13/2017 LEVY	420.40	
10232000	105296	1/31/2017	Florence Hospital at Anthem	PPE 120/17		1/30/2017 LEVY	390.92	
10241000	105095	1/4/2017	UNITED WAY OF PINAL COUNTY	PPE 1223/16		1/3/2017 EMPLOYEES CONTRIBUTIONS	2.00	
10241000	105186	1/17/2017	UNITED WAY OF PINAL COUNTY	PPE 0106/17		1/13/2017 EMPLOYEES CONTRIBUTIONS	2.00	
10241000	105308	1/31/2017	UNITED WAY OF PINAL COUNTY	PPE 120/17		1/30/2017 EMPLOYEES CONTRIBUTIONS	2.00	
10243000	105185	1/17/2017	NEW YORK LIFE INSURANCE	6929080	1/17	1/4/2017 MONTHLY INVOICE	447.54	
10250038	105145	1/11/2017	ARIZONA STATE TREASURER	16-Dec	1/1/2017	STATE FINES	744.38	
10250038	105273	1/27/2017	ARIZONA STATE TREASURER	Oct-16	1/24/2017	STATE FINES	618.62	

10260000	105147	1/11/2017	Temporary Vendor	CR20110029	1/17	1/10/2017	RESTITUTION	35.31	
Sub-Total									156,681.47

General Fund Revenue

10339603	105238	1/23/2017	Temporary Vendor	DRICE-REFUND		1/18/2017	UNABLE TO PARTICIPATE IN PROGRAM	35.00	
10339604	105237	1/23/2017	Temporary Vendor	REF-ABOYTES		1/18/2017	ACTIVITY WAS CANCELLED	32.00	
10348777	105077	1/4/2017	AZ PUBLIC SAFETY RETIREMENT	PPE 1223/16FIRE		1/3/2017	FIRE INSURANCE PREMIUM TAX	(1,139.31)	
10348777	105183	1/17/2017	AZ PUBLIC SAFETY RETIREMENT	PPE 106/17FIRE		1/17/2017	FIRE INSURANCE PREMIUM TAX	(1,139.31)	
10348777	105286	1/31/2017	AZ PUBLIC SAFETY RETIREMENT	PPE 120/17FIRE		1/30/2017	FIRE INSURANCE PREMIUM TAX	(1,139.31)	
Sub-Total									(3,350.93)

Town Council

10501201	105096	1/4/2017	Verizon Wireless	9777410972		12/21/2016	COUNCIL LAPTOPS	190.31	
10501314	105236	1/23/2017	Casa Grande Valley Newspaper In	97410201		12/29/2016	CHRISTMAS ADVERTISEMENT 12/22/2016	25.50	
10501314	9987075	1/16/2017	FASTSIGNS	123117 STMT		12/7/2016	NAME PLATES FOR DIAS.	84.45	
10501314	9987075	1/16/2017	FASTSIGNS	123117 STMT		12/7/2016	SHIPPING COST FOR NAME PLATES FOR DIAS.	10.00	
10501402	103820	Multiple	TARA WALTER	44590		8/18/2016	VOIDED CHECK	(186.08)	
10501402	105125	1/10/2017	Pinal Partnership	JAN13TH17		1/6/2017	PINAL PARTNERSHIP BREAKFAST 1-13-2017	20.00	
10501402	105179	1/17/2017	TARA WALTER	REPL-103820		8/18/2016	2016 LEAGUE ANNUAL CONFERENCE PER DIEM	186.08	
10501402	9987075	1/16/2017	Dollar General	123117 STMT		12/5/2016	BOTTLED WATER - COUNCIL SWEARING- IN CEREMONY.	7.14	
10501402	9987075	1/16/2017	Dollar General	123117 STMT		12/19/2016	WATER FOR COUNCIL MEETINGS	3.01	
10501402	9987075	1/16/2017	GIANT #6647	123117 STMT		12/5/2016	ICE FOR THE COUNCIL SWEARING-IN CEREMONY.	4.67	
10501404	105242	1/23/2017	PINAL COUNTY RECORDER	GE1116-FLRN		12/23/2016	2016 NOVEMBER GENERAL ELECTION - ADMIN SVC FEE	4,590.00	
Sub-Total									4,935.08

Town Administration

10502201	105096	1/4/2017	Verizon Wireless	9777410972		12/21/2016	CELL PHONES	182.94	
10502217	105092	1/4/2017	SHRED-IT USA	8121393143		12/15/2016	SHREDDING - ADMIN	22.68	
10502217	105282	1/27/2017	SHRED-IT USA	8121393143-B		12/15/2016	SHREDDING - ADMIN	22.68	
10502217	105282	1/27/2017	SHRED-IT USA	8121579615		1/15/2017	SHREDDING - ADMIN	22.66	
10502402	105125	1/10/2017	Pinal Partnership	JAN13TH17		1/6/2017	PINAL PARTNERSHIP BREAKFAST 1-13-2017	40.00	
10502402	9987075	1/16/2017	Mosaic's Florence Fudge Shop	123117 STMT		12/7/2016	LUNCH WITH COUNCILMEMBER - TOWN FACILITY TOUR.	19.80	
Sub-Total									310.76

Courts

10503217	105160	1/17/2017	CITY OF ELOY	16-Dec		1/12/2017	MAGISTRATE SERVICES	10,500.00	
10503217	105281	1/27/2017	JANET MANNATO	Dec-16		12/31/2016	PUBLIC DEFENDER SERVICES	600.00	
10503217	105281	1/27/2017	JANET MANNATO	17-Jan		1/24/2017	PUBLIC DEFENDER SERVICES	1,200.00	
10503234	105172	1/17/2017	PINAL CO SHERIFF'S OFFICE	16-Nov		12/1/2016	INMATE HOUSING	1,622.94	
10503301	105178	1/17/2017	Staples Business Advantage	3325099891		12/24/2016	SUPPLIES (ENVELOPES AND PAPER)	138.27	
10503301	105304	1/31/2017	OFFICE DEPOT INC	893918565-001		1/12/2017	OFFICE SUPPLIES AND INK TONERS	243.95	
10503308	105170	1/17/2017	MATTHEW BENDER & Co., Inc.	8869318X		11/23/2016	LEGAL BOOKS	49.90	
Sub-Total									14,355.06

Legal

10504308	105170	1/17/2017	MATTHEW BENDER & Co., Inc.	8869318X	11/23/2016	2016-2017 CRIMINAL AND TRAFFIC LAW BOOKS	149.69
10504401	105169	1/17/2017	LEXIS NEXIS	3090804477	12/31/2016	LEGAL RESEARCH DEC 2016	205.93
Sub-Total							355.62

Finance

10505201	105096	1/4/2017	Verizon Wireless	9777410972	12/21/2016	CELL PHONES	64.56
10505202	105115	1/10/2017	Interim Public Management LLC	1707	1/1/2017	INTERIM FINANCE DIRECTOR	2,511.51
10505202	105279	1/27/2017	Interim Public Management LLC	1719	1/15/2017	INTERIM FINANCE DIRECTOR	3,147.58
10505204	105152	1/17/2017	Advanced Infosystems	13521	1/6/2017	DATA PROCESSING OF UTILITY BILLS	1,000.86
10505209	105084	1/4/2017	Day Auto Supply, Inc	701622	12/23/2016	OIL & FILTER FOR AD-004	21.77
10505217	105092	1/4/2017	SHRED-IT USA	8121393143	12/15/2016	SHREDDING - FINANCE	22.66
10505217	105282	1/27/2017	SHRED-IT USA	8121393143-B	12/15/2016	SHREDDING - FINANCE	22.66
10505217	105282	1/27/2017	SHRED-IT USA	8121579615	1/15/2017	SHREDDING - FINANCE	22.66
10505219	105199	1/19/2017	HENRY & HORNE, P.L.C.	237704	12/31/2016	AUDIT	11,617.16
10505231	9987075	1/16/2017	Pitney Bowes Inc	123117 STMT	12/5/2016	QUARTERLY LEASE CHARGES ON POSTAGE MACHINE	596.79
10505301	105173	1/17/2017	Pitney Bowes Inc	1002905424	12/30/2016	PITNEY BOWES - MACHINE SUPPLIES	294.71
10505301	9987075	1/16/2017	OFFICE DEPOT INC	123117 STMT	12/7/2016	WIRELESS KEY BOARD & MOUSE FOR FINANCE DIRECTORS OFFI	43.43
10505301	9987075	1/16/2017	Staples Business Advantage	123117 STMT	12/1/2016	CALENDARS TONER AND 1099 MISC FORMS FOR FINANCE	199.35
10505301	9987075	1/16/2017	Staples Business Advantage	123117 STMT	12/13/2016	CALENDARS TONER AND 1099 MISC FORMS FOR FINANCE	100.73
10505301	9987075	1/16/2017	Staples Business Advantage	123117 STMT	12/13/2016	REVERSE DUPLICATE CREDIT TAKEN FOR LETTER OPENER	87.00
10505323	105081	1/4/2017	CASELLE, INC.	77542	12/13/2016	SOURCE CODE ESCROW	200.00
10505323	105104	1/10/2017	CASELLE, INC.	77624	12/30/2016	SOURCE CODE ESCROW	700.00
10505401	105080	1/4/2017	Casa Grande Valley Newspaper In	186 16/17	1/2/2017	SUBSCRIPTION RENEWAL	29.00
10505420	105104	1/10/2017	CASELLE, INC.	77722	1/1/2017	SOFTWARE ASSURANCE MAINTENANCE 01/17-6/30/17	2,206.00
10505420	9987075	1/16/2017	CASELLE, INC.	123117 STMT	12/6/2016	CONTRACT SUPPORT AND MAINTENANCE	1,506.00
Sub-Total							24,394.43

Human Resources

10508201	105096	1/4/2017	Verizon Wireless	9777410972	12/21/2016	CELL PHONES	24.46
10508205	9987075	1/16/2017	Az Chapter, PLANNING ASSOC	123117 STMT	12/8/2016	ADVERTISEMENT FOR SENIOR PLANNER.	50.00
10508217	105110	1/10/2017	EAP Preferred	14468	1/1/2017	EAP SERVICES - QUARTERLY	843.60
10508217	105157	1/17/2017	Benefit Intelligence, Inc. (Consult	44	1/5/2017	MONTHLY CONSULT A DOC SERVICES	555.00
10508217	105220	1/20/2017	INFINISOURCE, INC.	858320	1/9/2017	ADMINISTRATIVE FEE	217.80
10508217	105246	1/24/2017	Az Department of Public Safety	3EA JAN2017	1/23/2017	FINGERPRINT CLEARANCE	66.00
10508217	105274	1/27/2017	Az Department of Public Safety	1/17VOLUNT	1/23/2017	FINGERPRINT CLEARANCE	20.00
10508217	105283	1/27/2017	Tri-City Express Care, LLC 935	3325002	5/6/2016	DRUG TESTS	56.00
10508217	105283	1/27/2017	Tri-City Express Care, LLC 935	3325012	5/6/2016	DRUG TESTS	56.00
10508217	105283	1/27/2017	Tri-City Express Care, LLC 935	33385232	5/2/2016	DRUG TESTS	56.00
10508217	105283	1/27/2017	Tri-City Express Care, LLC 935	3338544	5/2/2016	DRUG TESTS	56.00
10508217	105283	1/27/2017	Tri-City Express Care, LLC 935	3349505	5/11/2016	DRUG TESTS	56.00
10508217	105283	1/27/2017	Tri-City Express Care, LLC 935	3434015	6/8/2016	DRUG TESTS	56.00
10508217	105283	1/27/2017	Tri-City Express Care, LLC 935	3445394	6/14/2016	DRUG TESTS	56.00
10508217	105283	1/27/2017	Tri-City Express Care, LLC 935	3445398	6/14/2016	DRUG TESTS	56.00
10508217	105283	1/27/2017	Tri-City Express Care, LLC 935	3466363	6/17/2016	DRUG TESTS	56.00
10508217	105283	1/27/2017	Tri-City Express Care, LLC 935	3543280	6/27/2016	DRUG TESTS	56.00

10508217	105283	1/27/2017	Tri-City Express Care, LLC 935	3543288	6/27/2016	DRUG TESTS	56.00
10508217	105283	1/27/2017	Tri-City Express Care, LLC 935	3555399	7/21/2016	DRUG TESTS	75.00
10508217	105283	1/27/2017	Tri-City Express Care, LLC 935	3573008	7/26/2016	DRUG TESTS	47.00
10508217	105283	1/27/2017	Tri-City Express Care, LLC 935	3586792	8/1/2016	DRUG TESTS	56.00
10508217	105283	1/27/2017	Tri-City Express Care, LLC 935	3864984	10/14/2016	DRUG TESTS	56.00
10508217	105283	1/27/2017	Tri-City Express Care, LLC 935	3916445	11/1/2016	DRUG TESTS	56.00
10508217	105283	1/27/2017	Tri-City Express Care, LLC 935	3964461	5/4/2016	DRUG TESTS	56.00
10508217	105283	1/27/2017	Tri-City Express Care, LLC 935	3964474	5/27/2016	DRUG TESTS	56.00
10508217	105283	1/27/2017	Tri-City Express Care, LLC 935	4065063	12/12/2016	DRUG TESTS	56.00
10508301	105241	1/23/2017	OFFICE DEPOT INC	894480065-001	1/13/2017	OFFICE SUPPLIES	33.54
10508314	105285	1/27/2017	WALMART COMMUNITY # 0005 7	TR07352	1/24/2017	VISA GIFT CARDS 1-15 1-10YR	260.84
10508314	9987075	1/16/2017	SAFeway INC.	123117 STMT	12/6/2016	APPRECIATION LUNCHEON GIFT CARDS 16@25EA.	400.00

Sub-Total

3,545.24

Community Development

10510201	105096	1/4/2017	Verizon Wireless	9777410972	12/21/2016	CELL PHONES	90.61
10510207	105138	1/10/2017	Toshiba Business Solutions,USA	13272818	12/2/2016	MAINTENANCE AGREEMNENT	401.71
10510215	105177	1/17/2017	SOUTHWEST GAS CORPORATION	VARIOUS 01/17	1/10/2017	COMMUNITY DEVELOPMENT GAS	72.65
10510215	105209	1/20/2017	ARIZONA PUBLIC SERVICE	Dec-16	1/6/2017	ELECTRIC	430.13
10510301	105124	1/10/2017	OFFICE DEPOT INC	884170232-001	12/2/2016	OFFICE SUPPLIES	17.22
10510301	105124	1/10/2017	OFFICE DEPOT INC	884171136-001	12/2/2016	OFFICE SUPPLIES	429.67
10510301	105124	1/10/2017	OFFICE DEPOT INC	884335466-001	12/2/2016	OFFICE SUPPLIES	54.32
10510301	105124	1/10/2017	OFFICE DEPOT INC	884335612-001	12/5/2016	OFFICE SUPPLIES	6.64
10510301	105124	1/10/2017	OFFICE DEPOT INC	884335613-001	12/5/2016	OFFICE SUPPLIES	6.64

Sub-Total

1,509.59

Police-Administration

10511201	105082	1/4/2017	CENTURYLINK	VARIOUS 12/16	12/16/2016	PD 911 LINE-9627	301.62
10511201	105096	1/4/2017	Verizon Wireless	9777410972	12/21/2016	CELL PHONES	1,410.58
10511201	105106	1/10/2017	COX BUSINESS	207217901 123016	12/30/2016	DIGITAL ADAPTER-MTHLY FEES	6.28
10511215	105158	1/17/2017	BIA	16-Dec	1/4/2017	104233-ELECTRIC	213.05
10511215	105209	1/20/2017	ARIZONA PUBLIC SERVICE	Dec-16	1/6/2017	ELECTRIC	1,605.12
10511217	105092	1/4/2017	SHRED-IT USA	8121393143	12/15/2016	SHREDDING - POLICE	22.66
10511217	105282	1/27/2017	SHRED-IT USA	8121393143-B	12/15/2016	SHREDDING - POLICE	22.66
10511217	105282	1/27/2017	SHRED-IT USA	8121579615	1/15/2017	SHREDDING - POLICE	22.68
10511401	105221	1/20/2017	INT'L ASSOC OF CHIEF OF POLICE	1001237667	12/27/2016	2017 MEMBERSHIP FOR CHIEF HUGHES	150.00
10511401	105221	1/20/2017	INT'L ASSOC OF CHIEF OF POLICE	1582500 1/17	12/27/2016	2017 DUES FOR LT. TRYON	150.00
10511403	105295	1/31/2017	FBINAA ARIZONA CHAPTER	99X3 21717	1/23/2017	TRAINING: FORCE SCIENCE: CHIEF, LT, DEANNA	297.00
10511444	105231	1/20/2017	TEMPE TROPHY	15831	12/28/2016	RETIREMENT AWARD FOR OFFICER ALSTON	175.53

Sub-Total

4,377.18

Police-Support Services

10512208	9987075	1/16/2017	Crescent Electric Supply Co.	123117 STMT	12/12/2016	CRESCENT ELECTRIC - PARTS FOR PD AIR COMPRESSOR	84.04
10512210	105303	1/31/2017	Newegg Business, Inc.	1300027422	12/15/2016	MONITOR MAINTENANCE	314.94
10512215	105177	1/17/2017	SOUTHWEST GAS CORPORATION	VARIOUS 01/17	1/10/2017	SERVICE TO POLICE EVIDENCE/DATA CENTER	67.31

10512215	105209	1/20/2017	ARIZONA PUBLIC SERVICE	Dec-16	1/6/2017	ELECTRIC	2,844.44	
Sub-Total								3,310.73

Police-Volunteers

10513209	105084	1/4/2017	Day Auto Supply, Inc	701630	12/23/2016	BRAKLEEN & PTEX FOR SHOP	18.00	
10513209	105162	1/17/2017	Day Auto Supply, Inc	701801	12/27/2016	BATTERY CLEANER FOR SHOP	3.73	
10513209	105162	1/17/2017	Day Auto Supply, Inc	702321	1/3/2017	BATTERY FOR PD G-561DS (VOLUNTEER)	118.44	
10513209	105162	1/17/2017	Day Auto Supply, Inc	702493	1/4/2017	BATTERY DISCONNECT FOR PD G-561DS (VOLUNTEER)	9.20	
10513402	105230	1/20/2017	SCOTT MORRIS	REIM-LUNCH	1/5/2017	REIMBURSEMENT FOR VOL. MEETING LUNCH	34.81	
Sub-Total								184.18

Police-Operations

10514209	105084	1/4/2017	Day Auto Supply, Inc	701630	12/23/2016	BRAKLEEN & PTEX FOR SHOP	18.00	
10514209	105162	1/17/2017	Day Auto Supply, Inc	701801	12/27/2016	BATTERY CLEANER FOR SHOP	3.73	
10514209	105162	1/17/2017	Day Auto Supply, Inc	702555	1/5/2017	OIL & FILTER FOR PD G-097FR (PATROL)	31.50	
10514209	105193	1/19/2017	Day Auto Supply, Inc	702615	1/5/2017	OIL, FILTER & SERP BELT FOR PD G-859FJ (PATROL)	67.26	
10514209	105193	1/19/2017	Day Auto Supply, Inc	702711	1/6/2017	IDLER PULLEY FOR PD G-859FJ (PATROL)	36.84	
10514209	105200	1/19/2017	Manatee Tire & Auto Inc., dba	164452	1/13/2017	4-WHEEL ALIGNMENT FOR G-921GL (PATROL)	58.95	
10514209	105215	1/20/2017	Day Auto Supply, Inc	702859	1/9/2017	FILTER & OIL FOR PD G-414FF (PATROL)	40.63	
10514209	105215	1/20/2017	Day Auto Supply, Inc	702888	1/9/2017	OIL FILTER ADAPTER FOR PD G-414FF (PATROL)	11.63	
10514209	105215	1/20/2017	Day Auto Supply, Inc	702965	1/10/2017	ANTIFREEZE FOR PD G-414FF (PATROL)	19.56	
10514209	105215	1/20/2017	Day Auto Supply, Inc	703002	1/10/2017	REAR BRAKE PADS FOR PD G-414FF (PATROL)	76.08	
10514209	105215	1/20/2017	Day Auto Supply, Inc	703007	1/10/2017	GEAR OIL FOR PD G-414FF (PATROL)	6.19	
10514209	105215	1/20/2017	Day Auto Supply, Inc	703024	1/10/2017	REAR BRAKE ROTORS FOR PD G-414FF (PATROL)	169.55	
10514302	105243	1/23/2017	The Office Center Inc.	0116972-001	12/27/2016	(40) BOXES GLOVES, LABELS FOR OPS USE	487.18	
10514304	105141	1/10/2017	UNIVERSAL POLICE SUPPLY INC	202493	12/20/2016	UNIFORM EQUIPMENT FOR NEW HIRE PEREZ	474.72	
10514304	105141	1/10/2017	UNIVERSAL POLICE SUPPLY INC	202494	12/20/2016	UNIFORMS FOR NEW HIRE PEREZ	432.87	
10514304	105141	1/10/2017	UNIVERSAL POLICE SUPPLY INC	202496	12/20/2016	UNIFORM EQUIPMENT FOR NEW HIRE NIXON	432.87	
10514304	105141	1/10/2017	UNIVERSAL POLICE SUPPLY INC	202502	12/20/2016	UNIFORMS FOR NEW HIRE NIXON	474.72	
10514307	105091	1/4/2017	RAY ALLEN MFG. CO	RINV023022	12/21/2016	K-9 SUPPLIES: LEADS, COLLARS, TOWELS...	438.95	
10514309	105141	1/10/2017	UNIVERSAL POLICE SUPPLY INC	202495	12/20/2016	FIREARM EQUIPMENT HOLSTERS.MAG FOR J. PEREZ	143.90	
10514309	105141	1/10/2017	UNIVERSAL POLICE SUPPLY INC	202503	12/20/2016	FIREARM EQUIPMENT HOLSTERS.MAG FOR NIXON	143.90	
10514312	105153	1/17/2017	Allied 100 (dba AEDSuperstore)	758672	1/4/2017	REPLACEMENT BATTERIES AND PADS FOR AED MACHINES	250.49	
10514314	105126	1/10/2017	Precision Polygraph & Investigatio	3	12/26/2016	POLYGRAPH FOR RECRUIT HIRE	150.00	
10514314	105210	1/20/2017	Casa Grande Counseling Service	890	12/27/2016	PSYCHIATRIC EXAM	200.00	
10514314	105288	1/31/2017	Banner Occupational Health Clinic	545150	12/31/2016	PHYSICALS FOR NIXON AND PEREZ: NEW HIRES	610.00	
10514403	105168	1/17/2017	KENNETH BURNSIDE	123-27/17	11/4/2016	LUNCH REIMBURSEMENT FOR TRAINING: 1/23-27/17	75.00	
10514403	105226	1/20/2017	MICHAEL A. PHILLIPS	124-26/17	12/31/2016	PER DIEM FOR TRAINING 1/24-26/17	45.00	
10514403	105229	1/20/2017	RONALD CARTER / WSTC	22579922	1/12/2017	REGISTRATION FOR M. PHILLIPS	475.00	
Sub-Total								5,374.52

Fire-Administration

10515201	105096	1/4/2017	Verizon Wireless	9777410972	12/21/2016	CELL PHONES	702.87	
10515215	105158	1/17/2017	BIA	16-Dec	1/4/2017	104233-ELECTRIC	213.04	
10515215	105209	1/20/2017	ARIZONA PUBLIC SERVICE	Dec-16	1/6/2017	ELECTRIC	1,093.67	

10515401	105208	1/20/2017	ARIZONA FIRE CHIEFS ASSOC	300002423	12/31/2016	ANNUAL MEMBERSHIP FOR CHIEF STRAYER	75.00
Sub-Total							2,084.58

Fire-Station #1

10516208	105198	1/19/2017	GENERAL PARTS	5801788	12/29/2016	CLEAN AND ADJUST STOVE STATION #1	329.00
10516209	105193	1/19/2017	Day Auto Supply, Inc	702967	1/10/2017	OIL & FILTER FOR FD G-828FJ	58.20
10516302	105142	1/10/2017	WALMART COMMUNITY # 0005 7	19484	12/19/2016	LAUNDRY SOAP FOR UNIFORMS	42.56
10516302	105194	1/19/2017	Desert Appliance Repair & Svc	1359	12/28/2016	REPAIR TO DRYER STATION #1	68.50
10516302	105207	1/20/2017	AmeriGas Propane	3059781606	12/30/2016	PROPANE STATION #1	106.08
10516302	105239	1/23/2017	FLORENCE TRUE VALUE HARDWAI	227111	12/21/2016	VELCRO, BLACK LETTER SET	51.86
10516304	105140	1/10/2017	UNITED FIRE EQUIPMENT CO.	653326	12/12/2016	ANNUAL UNIFORM ALLOWANCE HARRISON	32.27
10516304	105202	1/19/2017	UNITED FIRE EQUIPMENT CO.	654033	12/21/2016	ANNUAL UNIFORM ALLOWANCE KELLS	60.54
10516304	105202	1/19/2017	UNITED FIRE EQUIPMENT CO.	654034	12/21/2016	ANNUAL UNIFORM ALLOWANCE KELLS	45.10
10516304	105202	1/19/2017	UNITED FIRE EQUIPMENT CO.	654035	12/21/2016	ANNUAL UNIFORM ALLOWANCE KELLS	37.78
10516304	105233	1/20/2017	UNITED FIRE EQUIPMENT CO.	654758	1/6/2017	ANNUAL UNIFORM ALLOWANCE GAMEROS	100.14
10516312	105195	1/19/2017	ECMS, INC.	INV71950	12/22/2016	TURN OUT CLEANING AND REPAIR	872.44
10516312	105216	1/20/2017	DIVERSIFIED INSPECTIONS	272362	1/10/2017	LADDER TESTING	1,336.45
10516315	105143	1/10/2017	WAXIE SANITARY SUPPLY	76411966	12/20/2016	JANITORIAL SUPPLIES	702.26
10516403	105218	1/20/2017	GILA RIVER FIRE DEPARTMENT	FLASHOVER	12/22/2016	INSTRUCTOR TRAINING, 2 SEATS	380.00
Sub-Total							4,223.18

Fire-Station #2

10517201	105105	1/10/2017	CENTURYLINK	7347 1216	12/19/2016	FIRE LINE HUNT HWY-7347	205.74	
10517201	105211	1/20/2017	COX BUSINESS	221288801	1/17	1/3/2017	PHONE LINES FOR STATION #2	102.19
10517203	105201	1/19/2017	Toshiba Business Solutions,USA	13300557	12/15/2016	STATION # 2 COPIER	210.46	
10517212	105224	1/20/2017	Johnson Utilities	138081-01 117	1/5/2017	WATER AT STATION #2 LANDSCAPING	61.33	
10517212	105224	1/20/2017	Johnson Utilities	138082-01 117	1/5/2017	WATER AT STATION #2	288.40	
10517215	105133	1/10/2017	SOUTHWEST GAS CORPORATION	HUNT/HWY 01/17	1/3/2017	HUNT HWY-GAS	103.64	
10517215	105209	1/20/2017	ARIZONA PUBLIC SERVICE	Dec-16	1/6/2017	ELECTRIC	902.86	
10517302	105142	1/10/2017	WALMART COMMUNITY # 0005 7	19484	12/19/2016	LAUNDRY SOAP FOR UNIFORMS	42.56	
10517312	105216	1/20/2017	DIVERSIFIED INSPECTIONS	272362	1/10/2017	LADDER TESTING	1,336.45	
10517315	105143	1/10/2017	WAXIE SANITARY SUPPLY	75411967	12/20/2016	JANITORIAL SUPPLIES	269.47	
10517321	105118	1/10/2017	Life Assist	778381	12/21/2016	EKG MEDICAL TEST	351.35	
10517321	105214	1/20/2017	DASH MEDICAL GLOVES	INV1034288	1/9/2017	EXAM GLOVES FOR EMS CALLS	341.40	
Sub-Total							4,215.85	

Information Technology

10519201	105096	1/4/2017	Verizon Wireless	9777410972	12/21/2016	CELL PHONES	301.56	
10519207	9987075	1/16/2017	MaxCDN	123117 STMT	12/14/2016	CREDIT VOUCHER NETDNA. LYC	(90.00)	
10519207	9987075	1/16/2017	RACKSPACE CLOUD	123117 STMT	12/1/2016	PURCHASE RACKSPACE CLOUD	3.03	
10519207	9987075	1/16/2017	RAMNODE.COM	123117 STMT	12/21/2016	PURCHASE RAMNODE LYC	85.00	
10519207	9987075	1/16/2017	SendGrid	123117 STMT	12/2/2016	PURCHASE SENDGRID	1.00	
10519208	9987075	1/16/2017	AMAZON.COM	123117 STMT	12/13/2016	AIR CARD FOR TABLET. - RETURNED FOR REFUND.	44.48	
10519209	105297	1/31/2017	GCR Tires & Service	825-128618	1/20/2017	4 TIRES FOR IT-001	304.03	
10519222	105161	1/17/2017	COX BUSINESS	204998001	1/17	12/29/2016	MONTHLY INTERNET	940.00

10519323	105176	1/17/2017	SHI Direct	B05942511	12/30/2016	EXCHANGE ONLINE PLAN PER USER	2,098.20
10519323	105176	1/17/2017	SHI Direct	B05942511	12/30/2016	OFFICE 365 ENTERPRISE E3 PER USER	19,988.00
10519323	105176	1/17/2017	SHI Direct	B05942511	12/30/2016	TAX	1,479.78
10519323	9987075	1/16/2017	ADOBE SYSTEMS INCORPORATED	123117 STMT	12/29/2016	PURCHASE ADOBE *CREATIVE CLOUD	54.34
10519323	9987075	1/16/2017	FastSpring	123117 STMT	12/1/2016	PURCHASE FS *JOOMLATOOLS	69.00
10519323	9987075	1/16/2017	www.Logmein	123117 STMT	12/20/2016	LOGMEIN ANNUAL RENEWAL FOR VOICE CONFERENCING.	239.88
Sub-Total							25,518.30

Fitness Center

10520215	105177	1/17/2017	SOUTHWEST GAS CORPORATION	VARIOUS 01/17	1/10/2017	GAS-133 N MAIN ST	52.85
10520215	105209	1/20/2017	ARIZONA PUBLIC SERVICE	Dec-16	1/6/2017	ELECTRIC	274.99
Sub-Total							327.84

Parks & Recreation Admin

10521201	105096	1/4/2017	Verizon Wireless	9777410972	12/21/2016	CELL PHONES	144.39
10521203	105244	1/23/2017	Toshiba Business Solutions,USA	13343915	1/3/2017	COPIER AT PARKS & RECREATION #36847 13343915	447.48
10521401	105100	1/10/2017	ARIZONA PARKS AND	7249	12/23/2016	ANNUAL APRA MEMBERSHIP- AGENCY	490.00
Sub-Total							1,081.87

Parks Maintenance

10522201	105096	1/4/2017	Verizon Wireless	9777410972	12/21/2016	CELL PHONES	74.13
10522207	105102	1/10/2017	Arizona's Best Choice Pest & Term	516937	11/21/2016	HERITAGE PARK GOPHER EXTERMINATING FEES	185.00
10522207	105102	1/10/2017	Arizona's Best Choice Pest & Term	517068	11/21/2016	HERITAGE PARK GOPHER EXTERMINATING FEES	185.00
10522207	105102	1/10/2017	Arizona's Best Choice Pest & Term	517677	12/5/2016	HERITAGE PARK GOPHER EXTERMINATING FEES	185.00
10522207	105155	1/17/2017	Arizona's Best Choice Pest & Term	520926	12/19/2016	HERITAGE PARK GOPHER EXTERMINATING FEES	185.00
10522207	105155	1/17/2017	Arizona's Best Choice Pest & Term	520927	12/26/2016	HERITAGE PARK GOPHER EXTERMINATING FEES	185.00
10522209	105162	1/17/2017	Day Auto Supply, Inc	702326	1/3/2017	OIL & FILTER FOR PR-009	52.58
10522209	105162	1/17/2017	Day Auto Supply, Inc	702352	1/3/2017	WIPER BLADES FOR PR-009	13.46
10522209	105301	1/31/2017	Manatee Tire & Auto Inc., dba	164757	1/25/2017	2 TIRES FOR LANDSCAPE TRAILER	169.61
10522211	105212	1/20/2017	Crescent Electric Supply Co.	S502912773.001	12/30/2016	REPAIRS TO AREA LIGHTING AT PADILLA PARK	785.58
10522215	105209	1/20/2017	ARIZONA PUBLIC SERVICE	Dec-16	1/6/2017	ELECTRIC	1,415.52
10522302	105109	1/10/2017	Day Auto Supply, Inc	701909	12/28/2016	PARK MAINTENANCE SUPPLIES	43.47
10522302	105180	1/17/2017	THE WATER SHED	9785	11/28/2016	DRINKING WATER FOR PARK MAINTENACE STAFF #9785	13.16
10522302	105239	1/23/2017	FLORENCE TRUE VALUE HARDWAI	226740	12/1/2016	SUPPLIES FOR PARK MAINTENANCE	44.32
10522302	105239	1/23/2017	FLORENCE TRUE VALUE HARDWAI	226759	12/2/2016	SUPPLIES FOR PARK MAINTENANCE	2.50
10522302	105239	1/23/2017	FLORENCE TRUE VALUE HARDWAI	226769	12/2/2016	SUPPLIES FOR PARK MAINTENANCE	15.78
10522302	105239	1/23/2017	FLORENCE TRUE VALUE HARDWAI	226787	12/5/2016	SUPPLIES FOR PARK MAINTENANCE	15.63
10522302	105239	1/23/2017	FLORENCE TRUE VALUE HARDWAI	226818	12/6/2016	SUPPLIES FOR PARK MAINTENANCE	6.29
10522302	105239	1/23/2017	FLORENCE TRUE VALUE HARDWAI	226828	12/6/2016	SUPPLIES FOR PARK MAINTENANCE	12.59
10522302	105239	1/23/2017	FLORENCE TRUE VALUE HARDWAI	226858	12/7/2016	SUPPLIES FOR PARK MAINTENANCE	54.78
10522302	105239	1/23/2017	FLORENCE TRUE VALUE HARDWAI	226921	12/12/2016	SUPPLIES FOR PARK MAINTENANCE	10.41
10522302	105239	1/23/2017	FLORENCE TRUE VALUE HARDWAI	226991	12/15/2016	SUPPLIES FOR PARK MAINTENANCE	15.57
10522302	105239	1/23/2017	FLORENCE TRUE VALUE HARDWAI	227077	12/20/2016	SUPPLIES FOR PARK MAINTENANCE	65.30
10522302	105240	1/23/2017	HOME DEPOT CREDIT SERVICES	3025431	1/10/2017	EXTERIOR LIGHT FOR PARK MAINTENANCE SHOP	93.31
10522317	105101	1/10/2017	ARIZONA STATE PRISON-FLORENC	A04116B20161114	11/16/2016	INMATE LABOR	60.00

Sub-Total 3,888.99

Community Center

10523201	105106	1/10/2017	COX BUSINESS	228541501	1216	12/28/2016	CABLE SVC FOR LIBRARY/COMMUNITY CENTER	128.29	
10523215	105209	1/20/2017	ARIZONA PUBLIC SERVICE		Dec-16	1/6/2017	ELECTRIC	3,231.39	
10523302	105180	1/17/2017	THE WATER SHED		10008	12/13/2016	DRINKING WATER FOR COMMUNITY CTR. STAFF #10008	13.16	
10523302	105180	1/17/2017	THE WATER SHED		10057	12/27/2016	DRINKING WATER FOR PARK MAINTENACE STAFF #10057	13.16	
10523302	105180	1/17/2017	THE WATER SHED		9787	11/28/2016	DRINKING WATER FOR COMMUNITY CTR. STAFF #9787	13.16	
10523302	105239	1/23/2017	FLORENCE TRUE VALUE HARDWAI		226860	12/7/2016	THUMB TACKS AND COMMAND STRIPS	8.39	
10523302	9987075	1/16/2017	AMAZON.COM		123117	STMT	12/1/2016	AIR FILTERS FOR L&CC REFRIGERATOR	27.96
10523401	9987075	1/16/2017	MOOD MEDIA CORPORATE		123117	STMT	12/11/2016	PANDORA MUSIC SUBSCRIPTION - LIBRARY & COMM CTR	29.30
10523408	105302	1/31/2017	MATERIAL PROMOTIONS, INC.		08-0003662	1/26/2017	BANNERS FOR MAIN STREET	2,272.58	

Sub-Total 5,737.39

Aquatics Programs

10524201	105082	1/4/2017	CENTURYLINK	VARIOUS	12/16	12/16/2016	PARKS/REC-0265	309.78	
10524201	105096	1/4/2017	Verizon Wireless		9777410972	12/21/2016	CELL PHONES	17.92	
10524215	105177	1/17/2017	SOUTHWEST GAS CORPORATION	VARIOUS	01/17	1/10/2017	174 W 1ST-AQUATICS	49.24	
10524215	105209	1/20/2017	ARIZONA PUBLIC SERVICE		Dec-16	1/6/2017	ELECTRIC	2,807.68	
10524302	105257	1/24/2017	HILL BROTHERS CHEMICAL CO,		50904248	12/12/2016	POOL CHEMICALS - ACID	1,648.53	
10524401	9987075	1/16/2017	MOOD MEDIA CORPORATE		123117	STMT	12/11/2016	PANDORA MUSIC SUBSCRIPTION - AQUATIC CENTER	29.30

Sub-Total 4,862.45

Recreation Programs

10525201	105096	1/4/2017	Verizon Wireless		9777410972	12/21/2016	CELL PHONES	153.45
10525224	105250	1/24/2017	CHRIS REID		JAN17TH17	1/17/2017	LECTURE FEES	100.00
10525401	105100	1/10/2017	ARIZONA PARKS AND		6941	12/23/2016	ANNUAL APRA MEMBERSHIP- MENDIVIL	65.00
10525401	105100	1/10/2017	ARIZONA PARKS AND		6984	12/23/2016	ANNUAL APRA MEMBERSHIP- NIXON	65.00
10525401	105100	1/10/2017	ARIZONA PARKS AND		7011	12/23/2016	ANNUAL APRA MEMBERSHIP- CETTA	65.00
10525403	105164	1/17/2017	FRED PRYOR SEMINARS		21240424	1/6/2017	LEADERSHIP SEMINAR - J. NIXON	249.00

Sub-Total 697.45

Special Events

10526201	105096	1/4/2017	Verizon Wireless		9777410972	12/21/2016	CELL PHONES	53.82
10526217	105171	1/17/2017	MICHAEL BACA	APPROVENAN17		1/17/2017	PICTURES OF HISTORIC STRUCTURES	150.00
10526302	105181	1/17/2017	WALMART COMMUNITY # 0005 7		TR02100	12/29/2016	CANDY AND SUPPLIES FOR FRIGHT FEST	43.35
10526302	105181	1/17/2017	WALMART COMMUNITY # 0005 7		TR07952	12/31/2016	CANDY AND SUPPLIES FOR FRIGHT FEST	83.37
10526302	105239	1/23/2017	FLORENCE TRUE VALUE HARDWAI		227199	12/28/2016	FY17 SPECIAL EVENT SUPPLIES	12.64
10526401	105100	1/10/2017	ARIZONA PARKS AND		6939	12/23/2016	ANNUAL APRA MEMBERSHIP- FELIZ	65.00
10526407	105139	1/10/2017	True West Publishing, Inc.		2017-19728	1/1/2017	MAGAZINE AD - BEST OF THE WEST EDITION	640.25
10526407	105139	1/10/2017	True West Publishing, Inc.		2017-19728	1/1/2017	MAGAZINE AD - JANUARY 2017 EDITION	110.25
10526407	105139	1/10/2017	True West Publishing, Inc.		2017-19728	1/1/2017	MAGAZINE AD - ULTIMATE HISTORIC TRAVEL GUIDE	199.50
10526407	105151	1/17/2017	1013Communications, LLC		2017CI-9599	1/2/2017	HOME TOUR ADVERTISEMENT- EAST VALLEY TRIBUNE	473.00
10526407	105159	1/17/2017	Casa Grande Valley Newspaper In		97233201	12/2/2016	CHRISTMAS ON MAIN 12/01 FLORENCE BLADE AD	153.00
10526407	105159	1/17/2017	Casa Grande Valley Newspaper In		97406801	12/29/2016	NEW YEAR'S EVE PARTY 12/01 TRI-VALLEY DISPATCH AD	453.21

10526407	105159	1/17/2017	Casa Grande Valley Newspaper In	97406802	12/29/2016	NEW YEAR'S EVE PARTY 12/22 TRI-VALLEY DISPATCH AD	453.21	
10526407	105159	1/17/2017	Casa Grande Valley Newspaper In	97406803	12/29/2016	NEW YEAR'S EVE PARTY 12/22 REMINDER BLADE-TRIBUNE	153.00	
10526407	105159	1/17/2017	Casa Grande Valley Newspaper In	97406804	12/29/2016	NEW YEAR'S EVE PARTY 12/29 REMINDER BLADE-TRIBUNE	153.00	
10526407	9987075	1/16/2017	Facebook	123117	STMT	12/1/2016	SOCIAL MEDIA BOOST - CHRISTMAS ON MAIN	158.68
10526407	9987075	1/16/2017	Facebook	123117	STMT	12/1/2016	SOCIAL MEDIA BOOST - JR. PARADA PARADA & RODEO	100.00
10526615	105099	1/10/2017	Arizona Bounce Around, Inc.	1880478		12/31/2016	INFLATABLES FOR NEW YEAR'S EVE BLOCK PARTY	4,551.65
10526615	105117	1/10/2017	LANTIS PRODUCTIONS INC	16218		10/20/2016	FIREWORK DISPLAY NEW YEAR'S EVE BLOCK PARTY	5,000.00
10526615	105120	1/10/2017	MARK A. BOWMAN	123116		1/4/2017	SOUND SYSTEM FOR NEW YEAR'S EVE BLOCK PARTY 2016	16,950.00
10526615	105127	1/10/2017	PRIDE THROUGH STRIFE LLC	INV123116		12/31/2016	BAND PERFORMANCE FOR NYE	1,000.00
10526615	105137	1/10/2017	TAYLOR CIRCUS STARS LLC	1		12/12/2016	CIRCUS ENTERTAINMENT NEW YEAR'S EVE BLOCK PARTY	1,938.00
10526615	105175	1/17/2017	PRO EM	23110-1		1/5/2017	NEW YEAR'S EVE FENCING, TABLES, CHAIRS ETC...	6,237.45

Sub-Total

39,132.38

Senior Center

10528201	105083	1/4/2017	COX BUSINESS	235531701	3/4	12/10/2016	DIGITAL ADAPTERS	3.14
10528201	105096	1/4/2017	Verizon Wireless	9777410972		12/21/2016	CELL PHONES	35.84
10528201	105275	1/27/2017	COX BUSINESS	235531701	117	1/12/2017	DIGITAL ADAPTER-MTHLY FEES	3.14
10528208	105108	1/10/2017	David J. DeFeo dba	1263		12/15/2016	EVALUATION OF TREADMILL FOR REPAIRS	120.00
10528208	105122	1/10/2017	Mid State Refrigeration	515765		1/3/2017	EMERGENCY REPAIR OF REFRIGERATOR	383.00
10528209	105162	1/17/2017	Day Auto Supply, Inc	702429		1/4/2017	OIL & FILTER FOR SC-005	53.90
10528215	105177	1/17/2017	SOUTHWEST GAS CORPORATION	VARIOUS	01/17	1/10/2017	SR CTR NATURAL GAS	118.26
10528215	105209	1/20/2017	ARIZONA PUBLIC SERVICE	Dec-16		1/6/2017	ELECTRIC	1,002.41
10528302	105142	1/10/2017	WALMART COMMUNITY # 0005 7	TR02095		12/19/2016	SUPPLIES FOR MEALS	377.24
10528302	105142	1/10/2017	WALMART COMMUNITY # 0005 7	TR02183		12/19/2016	SUPPLIES FOR MEALS	14.70
10528302	105180	1/17/2017	THE WATER SHED	10009		12/13/2016	WATER & ICE FOR 1/2 YEAR	11.52
10528302	105180	1/17/2017	THE WATER SHED	10039		12/19/2016	ICE AND WATER	18.10
10528302	105180	1/17/2017	THE WATER SHED	10195		12/27/2016	WATER & ICE FOR 1/2 YEAR	15.63
10528311	105163	1/17/2017	FLORENCE TRUE VALUE HARDWAI	227192		12/28/2016	MISC SUPPLIES	8.42
10528444	105174	1/17/2017	POSTON BUTTE GOLF CLUB	JAN20TH17		1/12/2017	SENIOR MEALS	180.00

Sub-Total

2,345.30

Library

10529201	105082	1/4/2017	CENTURYLINK	VARIOUS	12/16	12/16/2016	LIBRARY-0788	112.50
10529201	105096	1/4/2017	Verizon Wireless	9777410972		12/21/2016	CELL PHONES	53.82
10529301	9987075	1/16/2017	AMAZON.COM	123117	STMT	12/14/2016	MISC OFFICE SUPPLY.	64.35
10529301	9987075	1/16/2017	AMAZON.COM	123117	STMT	12/20/2016	MISC OFFICE SUPPLY.	9.49
10529302	105134	1/10/2017	Staples Business Advantage	3324564129		12/5/2016	SUPPLIES	22.21
10529302	105134	1/10/2017	Staples Business Advantage	3324564131		12/5/2016	SUPPLIES	9.76
10529302	105134	1/10/2017	Staples Business Advantage	3324564132		12/5/2016	SUPPLIES	15.96
10529302	105134	1/10/2017	Staples Business Advantage	3325099889		12/5/2016	SUPPLIES	14.56
10529302	105227	1/20/2017	PETTY CASH - LIBRARY	7/16-1/11/17		1/19/2017	PETTY CASH	181.73
10529308	105103	1/10/2017	BAKER & TAYLOR BOOKS	4011788871		12/20/2016	BOOKS (YOUTH)	11.16
10529308	105103	1/10/2017	BAKER & TAYLOR BOOKS	4011788872		1/22/2016	BOOKS (FICTION)	15.88
10529308	105103	1/10/2017	BAKER & TAYLOR BOOKS	4011788873		12/20/2016	BOOKS	11.75
10529308	105103	1/10/2017	BAKER & TAYLOR BOOKS	T50604870		12/13/2016	BOOKS (NON-FIC) (DVDS)	69.67

10529308	105103	1/10/2017	BAKER & TAYLOR BOOKS	T51691540	12/20/2016	BOOKS (NON-FIC) (DVDS)	42.47
10529308	105136	1/10/2017	TAPED EDITIONS INC	11848817	12/21/2016	AUDIO BOOKS	65.18
10529308	105136	1/10/2017	TAPED EDITIONS INC	11848863	12/23/2016	AUDIO BOOKS	35.19
10529308	105156	1/17/2017	BAKER & TAYLOR BOOKS	4011796177	12/29/2016	BOOKS (YOUTH)	22.91
10529308	105156	1/17/2017	BAKER & TAYLOR BOOKS	4011796178	12/29/2016	BOOKS, DVD	19.00
10529308	105156	1/17/2017	BAKER & TAYLOR BOOKS	4011796179	12/29/2016	BOOKS (FICTION)	24.74
10529308	105156	1/17/2017	BAKER & TAYLOR BOOKS	4011796180	12/29/2016	BOOKS (NON-FIC) (DVDS)	232.85
10529308	105156	1/17/2017	BAKER & TAYLOR BOOKS	B39521720	12/29/2016	BOOKS (NON-FIC) (DVDS)	59.98
10529308	105156	1/17/2017	BAKER & TAYLOR BOOKS	T52298530	12/29/2016	BOOKS (NON-FIC) (DVDS)	116.17
10529308	105156	1/17/2017	BAKER & TAYLOR BOOKS	T52413970	12/30/2016	BOOKS (NON-FIC) (DVDS)	29.99
10529308	105287	1/31/2017	BAKER & TAYLOR BOOKS	4011796181	12/29/2016	BOOKS (YOUTH)	26.43
10529308	105287	1/31/2017	BAKER & TAYLOR BOOKS	4011800564	1/4/2017	BOOKS (YOUTH)	22.89
10529308	105287	1/31/2017	BAKER & TAYLOR BOOKS	4011800565	1/4/2017	BOOKS (FICTION)	37.04
10529308	105287	1/31/2017	BAKER & TAYLOR BOOKS	4011800566	1/4/2017	BOOKS (NON-FIC) (DVDS)	18.25
10529308	105287	1/31/2017	BAKER & TAYLOR BOOKS	4011800567	1/4/2017	BOOKS (YOUTH)	292.67
10529308	105287	1/31/2017	BAKER & TAYLOR BOOKS	T52204870	12/27/2016	BOOKS (YOUTH)	44.96
10529308	105287	1/31/2017	BAKER & TAYLOR BOOKS	T52513750	1/3/2017	BOOKS (NON-FIC) (DVDS)	122.13
10529308	105287	1/31/2017	BAKER & TAYLOR BOOKS	T53053500	1/10/2017	BOOKS (NON-FIC) (DVDS)	34.12
10529402	105299	1/31/2017	GLORIA MORENO	131/17	1/19/2017	TRAVEL REIMBURSEMENT	15.00
10529405	105116	1/10/2017	KAYLON HORN	1201-1230/16	1/4/2017	DAILY MAIL RUN REIMBURSEMENT	33.70
Sub-Total							1,888.51

Engineering

10530201	105096	1/4/2017	Verizon Wireless	9777410972	12/21/2016	CELL PHONES	108.54
10530308	9987075	1/16/2017	International Code Council Inc	123117 STMT	12/7/2016	INTERNATIONAL CODE COUNCIL - VARIOUS CODE BOOKS	2,912.62
10530323	105222	1/20/2017	JAMAR Technologies Inc	33994	12/27/2016	TDC-ULTRA BOARD WITH PETRAPRO SOFTWARE	2,023.00
Sub-Total							5,044.16

Facility Maintenance

10531207	105189	1/19/2017	American Fire Equipment	1-34042	12/31/2016	ANNUAL EXTINGUISHER-LIBRARY	17.50
10531207	105189	1/19/2017	American Fire Equipment	1-37037	12/31/2016	ANNUAL EXTINGUISHER-ANTHEM FIRE	10.00
10531207	105189	1/19/2017	American Fire Equipment	1-37038	12/31/2016	ANNUAL EXTINGUISHER-AQUATIC CENTER	183.37
10531207	105189	1/19/2017	American Fire Equipment	1-37039	12/31/2016	ANNUAL EXTINGUISHER-FIRE STATION 1	15.00
10531207	105189	1/19/2017	American Fire Equipment	1-37040	12/31/2016	ANNUAL EXTINGUISHER-I.T. DEPT	7.50
10531207	105189	1/19/2017	American Fire Equipment	1-37041	12/31/2016	ANNUAL EXTINGUISHER-MCFARLAND	30.00
10531207	105189	1/19/2017	American Fire Equipment	1-37043	12/31/2016	ANNUAL EXTINGUISHER-POLICE ADMIN	47.54
10531207	105189	1/19/2017	American Fire Equipment	1-37045	12/31/2016	ANNUAL EXTINGUISHER-SILVER KING	7.50
10531207	105189	1/19/2017	American Fire Equipment	1-37047	12/31/2016	ANNUAL EXTINGUISHER-TOWN HALL	27.50
10531207	105189	1/19/2017	American Fire Equipment	1-37048	12/31/2016	ANNUAL EXTINGUISHER-SWWTP	22.50
10531207	105189	1/19/2017	American Fire Equipment	1-37073	12/31/2016	ANNUAL EXTINGUISHER-NWWTP	45.04
10531207	105189	1/19/2017	American Fire Equipment	1-37074	12/31/2016	ANNUAL EXTINGUISHER-WELLS	45.04
10531207	105189	1/19/2017	American Fire Equipment	1-37075	12/31/2016	ANNUAL EXTINGUISHER-SENIOR CENTER	7.50
10531207	105189	1/19/2017	American Fire Equipment	1-37076	12/31/2016	ANNUAL EXTINGUISHER-BRUNENKANT BUILDING	7.50
10531207	105189	1/19/2017	American Fire Equipment	1-37077	12/31/2016	ANNUAL EXTINGUISHER-FITNESS CENTER	10.00
10531207	105189	1/19/2017	American Fire Equipment	1-37078	12/31/2016	ANNUAL EXTINGUISHER-PARKS & REC SHOP	10.00

10531207	105189	1/19/2017	American Fire Equipment	1-37079	12/31/2016	ANNUAL EXTINGUISHER-COMM DEV	5.00
10531207	105189	1/19/2017	American Fire Equipment	TSM381	12/29/2016	MOHAVE CONTRACT 12H-AFES-0604: ANNUAL SERVICE	87.55
10531207	105189	1/19/2017	American Fire Equipment	TSM537	12/15/2016	ANNUAL SERVICES/ MCFARLAND, SWWTP,LIBRARY ETC.	400.75
10531207	105189	1/19/2017	American Fire Equipment	TSM538	12/15/2016	ANNUAL SERVICES/ MCFARLAND, SWWTP,LIBRARY ETC.	488.30
10531207	105189	1/19/2017	American Fire Equipment	TSM539	12/15/2016	ANNUAL SERVICES/ MCFARLAND, SWWTP,LIBRARY ETC.	156.60
10531207	105190	1/19/2017	BENSON SYSTEMS	171795	12/11/2016	ANNUAL ALARM AND SECURITY MONITORING-POLICE	24.95
10531207	105190	1/19/2017	BENSON SYSTEMS	171796	12/11/2016	ANNUAL ALARM AND SECURITY MONITORING TOWN HALL	74.90
10531207	105190	1/19/2017	BENSON SYSTEMS	171797	12/11/2016	ANNUAL ALARM AND SECURITY MONITORING C/D	35.95
10531207	105190	1/19/2017	BENSON SYSTEMS	171798	12/11/2016	ANNUAL ALARM AND SECURITY MONITORING I.T.	44.95
10531207	105190	1/19/2017	BENSON SYSTEMS	171799	12/11/2016	ALARM AND SECURITY MONITORING ANTHEM FIRE	39.95
10531207	105190	1/19/2017	BENSON SYSTEMS	171800	12/11/2016	ANNUAL ALARM AND SECURITY MONITORING SWWTP	32.95
10531207	105190	1/19/2017	BENSON SYSTEMS	171801	12/11/2016	ALARM AND SECURITY MONITORING AQUATICS FAC	72.90
10531207	105190	1/19/2017	BENSON SYSTEMS	171802	12/11/2016	ALARM AND SECURITY MONITORING COMM.LIBRARY	72.90
10531207	105190	1/19/2017	BENSON SYSTEMS	171803	12/11/2016	ALARM AND SECURITY MONITORING SILVER KING	65.90
10531207	105190	1/19/2017	BENSON SYSTEMS	172627	12/16/2016	ALARM AND SECURITY MONITORING MCFARLAND	34.95
10531207	105190	1/19/2017	BENSON SYSTEMS	172874	12/20/2016	ALARM AND SECURITY MONITORING MCFARLAND	50.00
10531207	105284	1/27/2017	UNITED EXTERMINATING	188051	1/3/2017	EXTERMINATING-FITNESS CENTER	35.00
10531207	105284	1/27/2017	UNITED EXTERMINATING	188052	1/3/2017	EXTERMINATING FOR-SENIOR CENTER	35.00
10531207	105284	1/27/2017	UNITED EXTERMINATING	188053	1/3/2017	EXTERMINATING FOR POLICE ADMIN	35.00
10531207	105284	1/27/2017	UNITED EXTERMINATING	188055	1/3/2017	EXTERMINATING FOR HERITAGE PARK	25.00
10531207	105284	1/27/2017	UNITED EXTERMINATING	188056	1/3/2017	EXTERMINATING FOR LIBRARY	80.00
10531207	105284	1/27/2017	UNITED EXTERMINATING	188057	1/3/2017	EXTERMINATING FOR JACQUES SQUARE	10.00
10531207	105284	1/27/2017	UNITED EXTERMINATING	188058	1/3/2017	EXTERMINATING FOR HIGH PROFILE RR	10.00
10531207	105284	1/27/2017	UNITED EXTERMINATING	188059	1/3/2017	EXTERMINATING FOR CEMETERY RR	10.00
10531207	105284	1/27/2017	UNITED EXTERMINATING	188060	1/3/2017	EXTERMINATING FOR BRUNENKANT BLDG	25.00
10531207	105284	1/27/2017	UNITED EXTERMINATING	188061	1/3/2017	EXTERMINATING FOR AQUATIC CENTER	35.00
10531207	105284	1/27/2017	UNITED EXTERMINATING	188062	1/3/2017	EXTERMINATING FOR AQUATIC EQUIPMENT	10.00
10531207	105284	1/27/2017	UNITED EXTERMINATING	190224	1/3/2017	EXTERMINATING FOR FIRE STATION 2	45.00
10531207	105284	1/27/2017	UNITED EXTERMINATING	190225	1/3/2017	EXTERMINATING FOR TOWN PARKS GROUND OFFICE	25.00
10531207	105284	1/27/2017	UNITED EXTERMINATING	190226	1/3/2017	EXTERMINATING FOR MCFARLAND PARK	25.00
10531207	105284	1/27/2017	UNITED EXTERMINATING	190227	1/3/2017	EXTERMINATING FOR PADILLA PARK RR	10.00
10531207	105284	1/27/2017	UNITED EXTERMINATING	190228	1/3/2017	EXTERMINATING FOR SILVER KING	25.00
10531207	105284	1/27/2017	UNITED EXTERMINATING	190229	1/3/2017	EXTERMINATING FOR I.T.	25.00
10531207	105284	1/27/2017	UNITED EXTERMINATING	190230	1/3/2017	EXTERMINATING FOR C/D	25.00
10531207	105284	1/27/2017	UNITED EXTERMINATING	190231	1/3/2017	EXTERMINATING FOR N & S PLANTS	50.00
10531207	105284	1/27/2017	UNITED EXTERMINATING	190232	1/3/2017	EXTERMINATING FOR TOWN HALL	50.00
10531207	105284	1/27/2017	UNITED EXTERMINATING	190233	1/3/2017	EXTERMINATING FOR FIRE STATION 1	25.00
10531207	105284	1/27/2017	UNITED EXTERMINATING	190234	1/3/2017	EXTERMINATING FOR PUBLIC WORKS	45.00
10531302	105114	1/10/2017	HOME DEPOT CREDIT SERVICES	7162063	12/27/2016	CREDIT	(186.94)
10531302	105114	1/10/2017	HOME DEPOT CREDIT SERVICES	8652219	10/27/2016	LIGHTING PANELS, CEILING TILES,LAMP BOXES, ETC	271.75
10531302	105114	1/10/2017	HOME DEPOT CREDIT SERVICES	8690894	10/27/2016	LIGHTING PANELS, CEILING TILES,LAMP BOXES, ETC	334.70
10531302	105114	1/10/2017	HOME DEPOT CREDIT SERVICES	8840521	10/27/2016	LIGHTING PANELS, CEILING TILES,LAMP BOXES, ETC	186.94
10531302	105114	1/10/2017	HOME DEPOT CREDIT SERVICES	9903840	11/18/2016	LIGHTING PANELS, CEILING TILES,LAMP BOXES, ETC	394.15
10531302	9987075	1/16/2017	AMAZON.COM	123117	12/9/2016	PORTION OF ORDER FOR LAMINATED TAPE	18.98
10531302	9987075	1/16/2017	ZORO (Accounts Receivable)	123117	12/6/2016	PURCHASE ZORO TOOLS INC: HVAC TOOLS FOR REPAIRS	635.30
10531302	9987075	1/16/2017	ZORO (Accounts Receivable)	123117	12/8/2016	ZORO - KEY STAMPS FOR FACILITIES MAINTENANCE.	114.32

10531314	105306	1/31/2017	RICHARD GURR	14	1/20/2017	LABOR TO BUILD STORAGE ROOM	400.00
10531315	105204	1/19/2017	WAXIE SANITARY SUPPLY	76428042	1/3/2017	CUSTODIAL SUPPLIES/ GLOVES, TISSUE, CLEANERS, MOP HEAD	968.06
10531316	105192	1/19/2017	Clemans Plumbing	6400	12/10/2016	CALL OUTS FOR PLUMBING SERVICES	210.00
10531316	105212	1/20/2017	Crescent Electric Supply Co.	S502992954.001	12/30/2016	BALLASTS FOR TOWN HALL	151.12
Sub-Total							6,340.37

General Government

10532201	105082	1/4/2017	CENTURYLINK	VARIOUS 12/16	12/16/2016	291 BAILY-8933	149.47
10532201	105082	1/4/2017	CENTURYLINK	VARIOUS 12/16	12/16/2016	FIRE ALARM-0236	50.27
10532201	105082	1/4/2017	CENTURYLINK	VARIOUS 12/16	12/16/2016	TOWN MAIN LINE-7500	83.84
10532201	105191	1/19/2017	CENTURYLINK	1/17 0118	1/1/2017	TRUNKLINE-0118	684.52
10532201	105191	1/19/2017	CENTURYLINK	1/17 0238	1/1/2017	911 LOCATOR-0238	78.71
10532201	105191	1/19/2017	CENTURYLINK	1/17 0593	1/1/2017	BUSINESS INTERNET-0593	349.82
10532201	105278	1/27/2017	inContact, Inc.	557715	1/10/2017	TELEPHONE	321.04
10532214	105082	1/4/2017	CENTURYLINK	VARIOUS 12/16	12/16/2016	SK ALARM-0705	150.81
10532214	105209	1/20/2017	ARIZONA PUBLIC SERVICE	Dec-16	1/6/2017	ELECTRIC	932.77
10532215	105209	1/20/2017	ARIZONA PUBLIC SERVICE	Dec-16	1/6/2017	ELECTRIC	4,115.96
10532314	105079	1/4/2017	Capital One Commercial	AP044968	12/27/2016	COFFEE, CREAMER & KITCHEN SUPPLIES	148.68
10532314	105094	1/4/2017	THE WATER SHED	10012	12/12/2016	ICE AND WATER	13.16
10532314	105094	1/4/2017	THE WATER SHED	10042	12/19/2016	ICE AND WATER	22.49
10532314	105094	1/4/2017	THE WATER SHED	10193	12/27/2016	ICE AND WATER	14.54
10532314	105094	1/4/2017	THE WATER SHED	9826	12/5/2016	ICE AND WATER	23.86
10532405	105277	1/27/2017	FLORENCE GARDENS M. H. ASSOC	11486	1/11/2017	LOT-812 ASSESSMENT	387.20
10532405	105277	1/27/2017	FLORENCE GARDENS M. H. ASSOC	11487	1/11/2017	LOT-563 ASSESSMENT	387.20
Sub-Total							7,914.34

Cemetery

Sub-Total							-
-----------	--	--	--	--	--	--	---

Economic Development

10551201	105082	1/4/2017	CENTURYLINK	VARIOUS 12/16	12/16/2016	MCFARLAND-8030	50.27
10551201	105096	1/4/2017	Verizon Wireless	9777410972	12/21/2016	CELL PHONES	54.56
10551217	105276	1/27/2017	FLORENCE CHAMBER OF COMMEI	2663	1/10/2017	2016 4TH QTR. TOWN OF FLORENCE CONTRACT	14,375.00
10551217	9987075	1/16/2017	TRIARCO ARTS & CRAFTS LLC	123117 STMT	12/22/2016	ARTS & CULTURE COMMISSION10 FREDRIX SKETCH EASEL	191.27
10551217	9987075	1/16/2017	TRIARCO ARTS & CRAFTS LLC	123117 STMT	12/22/2016	ARTS & CULTURE COMMISSION12 ART TABLE EASELS	112.98
10551217	9987075	1/16/2017	ZIMMERMAN SCHOOL EQUIPMEN	123117 STMT	12/20/2016	ARTS & CULTURE COMMISSION STOOLS 24	985.34
10551402	9987075	1/16/2017	AAED	123117 STMT	12/1/2016	2017 BASIC ECONOMIC DEVELOPMENT COURSE	595.00
Sub-Total							16,364.42

Capital Improvements

Sub-Total							-
-----------	--	--	--	--	--	--	---

HURF

12518201	105096	1/4/2017	Verizon Wireless	9777410972	12/21/2016	CELL PHONES	520.64
----------	--------	----------	------------------	------------	------------	-------------	--------

ARC DOCUMENT SOLUTIONS: T-17 DIVERSION DAM
IMPROVEMENTS - MYLAR AND BOND COPIES OF THE GCE AS-

12518203	9987075	1/16/2017	ARC Document Solutions	123117	STMT	12/29/2016	BUILTS	181.28
12518203	9987075	1/16/2017	ARC Document Solutions	123117	STMT	12/29/2016	CREDIT FROM ARC DOCUMENT SOLUTIONS	(365.52)
12518203	9987075	1/16/2017	ARC Document Solutions	123117	STMT	12/29/2016	INCORRECT PURCHASE (CREDIT ISSUED) - ARC DOCUMENT SOL	365.52
12518209	105084	1/4/2017	Day Auto Supply, Inc	701575		12/22/2016	BATTERY FOR ST-005	124.93
12518209	105084	1/4/2017	Day Auto Supply, Inc	701630		12/23/2016	BRAKLEEN & PTEX FOR SHOP	18.00
12518209	105109	1/10/2017	Day Auto Supply, Inc	701889		12/28/2016	3/8 KEY STOCK FOR ST-023"	4.77
12518209	105109	1/10/2017	Day Auto Supply, Inc	701912		12/28/2016	5/16 KEY STOCK FOR ST-023"	3.68
12518209	105109	1/10/2017	Day Auto Supply, Inc	702115		12/30/2016	HD30 OIL FOR STOCK	52.05
12518209	105109	1/10/2017	Day Auto Supply, Inc	72110		12/30/2016	AIR FILTER FOR ST-023	11.48
12518209	105162	1/17/2017	Day Auto Supply, Inc	701801		12/27/2016	BATTERY CLEANER FOR SHOP	3.73
12518209	105162	1/17/2017	Day Auto Supply, Inc	702629		1/5/2017	CREDIT	(52.05)
12518209	105205	1/20/2017	AAA Transmission Specialists	8370		1/11/2017	TRANSMISSION REPAIRS TO ST-007	119.94
12518209	105225	1/20/2017	LONG STAR AUTO GLASS SERVICE!	1475		1/9/2017	FRONT WINDSHIELD FOR ST-080	227.87
12518209	105292	1/31/2017	Earnhardt Service #25440 or 7118	996323		1/23/2017	GRILLE & DRIVER SIDE WEATHER STRIP FOR ST-011	415.77
12518209	105301	1/31/2017	Manatee Tire & Auto Inc., dba	164638		1/19/2017	4 TIRES FOR ST-005	730.18
12518211	105076	1/4/2017	Arnold Machinery Company	B2J708		11/17/2016	NEW DOOR FOR ST-046 (STREET BROOM)	130.28
12518211	105076	1/4/2017	Arnold Machinery Company	B2M495		12/19/2016	NEW DOOR FOR ST-046 (STREET BROOM)	302.65
12518211	105093	1/4/2017	SUPERIOR SUPPLY	12188		12/16/2016	REPAIRS TO ST-039 (CRACK SEALER)	1,064.67
12518211	105109	1/10/2017	Day Auto Supply, Inc	701419		12/21/2016	AIR BRAKE DIAPHRAGM FOR ST-018 (LOADER)	10.41
12518211	105162	1/17/2017	Day Auto Supply, Inc	702382		1/3/2017	HYDRANT HOSE ADAPTERS ST-030 (GRADER)	3.80
12518211	105162	1/17/2017	Day Auto Supply, Inc	702434		1/4/2017	CREDIT	(2.02)
12518211	105193	1/19/2017	Day Auto Supply, Inc	702564		1/5/2017	AIR LINE FOR ST-030	9.77
12518211	105193	1/19/2017	Day Auto Supply, Inc	702625		1/5/2017	PTEX TEFLON TAPE FOR ST-030	3.25
12518211	105193	1/19/2017	Day Auto Supply, Inc	702636		1/5/2017	BRASS FITTINGS FOR ST-030	7.78
12518211	105193	1/19/2017	Day Auto Supply, Inc	702693		1/6/2017	TAIL LIGHT LENS FOR ST-030 (GRADER)	5.02
12518211	105196	1/19/2017	EMPIRE SOUTHWEST	EMPS4027302		1/5/2017	PRESSURE RELIEF VALVES FOR ST-030 (GRADER)	126.13
12518211	105197	1/19/2017	GCR Tires & Service	825-128088		1/5/2017	2 TIRES FOR ST-039 (CRACK SEALER)	154.96
12518211	105291	1/31/2017	COHONE TECHNOLOGIES	00J17055		1/23/2017	HYDRAULIC MOTOR FOR BROOM REPAIRED ST-046	555.50
12518211	105306	1/31/2017	RICHARD GURR	14		1/20/2017	LABOR & DOOR TO BUILD TOOL ROOM	800.00
12518214	105109	1/10/2017	Day Auto Supply, Inc	701898		12/28/2016	SAFETY ANCHORS TO LIFT STEEL PLATES FOR STREETS	127.18
12518214	105182	1/17/2017	ZUMAR, IND.	29843		1/5/2017	5 45 MPH SPEED LIMIT SIGNS	169.26
12518214	105234	1/20/2017	ZUMAR, IND.	29853		1/9/2017	PARKING SIGNS FOR STREETS	163.80
12518214	105234	1/20/2017	ZUMAR, IND.	29855		1/9/2017	THREE STREET SIGNS (10TH ST.)	199.84
12518215	105078	1/4/2017	AZ PUBLIC SERVICE COMPANY	AR0480005380		12/23/2016	STREETLIGHT MAINTENANCE	2,886.53
12518215	105158	1/17/2017	BIA	16-Dec		1/4/2017	00353-ELECTRIC	233.75
12518215	105158	1/17/2017	BIA	16-Dec		1/4/2017	10522-ELECTRIC	110.00
12518215	105158	1/17/2017	BIA	16-Dec		1/4/2017	20509-ELECTRIC	46.20
12518215	105158	1/17/2017	BIA	16-Dec		1/4/2017	21243-ELECTRIC	61.60
12518215	105209	1/20/2017	ARIZONA PUBLIC SERVICE	Dec-16		1/6/2017	ELECTRIC	4,255.34
12518219	105199	1/19/2017	HENRY & HORNE, P.L.C.	237704		12/31/2016	AUDIT	6,442.24
12518304	105086	1/4/2017	GRIJALVA, MARIO	REIM-UNI\BTS 117		12/28/2016	REIMBURSEMENT FOR UNIFORM PANTS AND BOOTS	441.82
12518304	105088	1/4/2017	PATRICK MILLER	BOOTS-REIM 1216		12/26/2016	UNIFORM ALLOWANCE FOR SAFETY BOOTS	175.00
12518304	105088	1/4/2017	PATRICK MILLER	UNI-REIM1216		12/12/2016	UNIFORM ALLOWANCE FOR JEANS	262.85
12518304	105213	1/20/2017	Curtis, Laning	REF UNI/BTS10117		1/1/2017	UNIFORM ALLOWANCE FOR JEANS	86.46

12518304	105213	1/20/2017	Curtis, Laning	REF UNI/BTS10117	1/1/2017	UNIFORM ALLOWANCE FOR SAFETY BOOTS	173.91
12518304	105254	1/24/2017	DAN, CISCO	REFUNIJENA117	1/12/2017	UNIFORM ALLOWANCE FOR JEANS	282.71
12518304	105309	1/31/2017	VICTOR GRAJEDA	REIM UNI-10817	1/8/2017	UNIFORM ALLOWANCE FOR JEANS	228.09
12518306	105217	1/20/2017	FERRELLGAS	1094688563	1/4/2017	PROPANE FOR PW YARD	649.64
12518319	105098	1/10/2017	APS	ARO480005300	11/10/2016	REPLACE STREET LIGHT POLE AND LIGHT HIT BY MVA	5,750.60
12518403	105146	1/11/2017	Curtis, Laning	112-13/17	1/5/2017	PER DIEM FOR TRAFFIC CONTROL COURSE 1-12-17	54.00
12518403	105148	1/11/2017	PATRICK MILLER	112-13/17	1/10/2017	PER DIEM FOR TRAFFIC CONTROL COURSE 1-12-17	54.00
12518403	105150	1/11/2017	Az Local Technical Assistance Prog	FY17-45	1/10/2017	TRAFFIC CONTROL SUPERVISOR COURSE TCH1167 FOR PATRICK	300.00
12518403	105223	1/20/2017	Jennifer Hansen	110/17	12/16/2016	PER DIEM FOR MEALS (PHOENIX TRAINING 1/10/17)	54.00
12536311	105109	1/10/2017	Day Auto Supply, Inc	702094	12/30/2016	TAP & DRILL BIT FOR SHOP	10.30
12536311	105193	1/19/2017	Day Auto Supply, Inc	702674	1/6/2017	SERP BELT TOOL FOR SHOP	22.79
12536311	105193	1/19/2017	Day Auto Supply, Inc	702850	1/9/2017	VOLT CIRCUIT TESTER FOR SHOP	23.92
12536311	105289	1/31/2017	BlueTarp Financial	37082551	1/17/2017	TOOLS & AIR LINE FOR SHOP	256.76
12536311	105289	1/31/2017	BlueTarp Financial	37110027	1/19/2017	TOOLS & AIR LINE FOR SHOP	181.39
12566507	105293	1/31/2017	EPS GROUP	16-3041-1	12/21/2016	PROFESSIONAL SERVICES FOR VARIOUS TOF ROADWAYS (PAVEMENT TESTING, REPORTING, GEOTECHNICAL EVALUATION)	9,860.00

Sub-Total

39,098.45

Water

51219000	104996	Multiple	Temporary Vendor	10609903	12/21/2016	WATER DEPOSIT REFUND	(150.00)
51219000	105087	1/4/2017	Temporary Vendor	10609903B	12/21/2016	WATER DEPOSIT REFUND	150.00
51219000	105112	1/10/2017	Temporary Vendor	509050	1/3/2017	WATER DEPOSIT REFUND	73.33
51219000	105135	1/10/2017	Temporary Vendor	432207	1/3/2017	WATER DEPOSIT REFUND	91.73
51219000	105165	1/17/2017	Temporary Vendor	106072600	1/1/2017	WATER DEPOSIT REFUND	150.00
51219000	105260	1/24/2017	Temporary Vendor	11000104	1/18/2017	WATER DEPOSIT REFUND	-
51219000	105265	1/24/2017	Temporary Vendor	305402	1/18/2017	WATER DEPOSIT REFUND	37.33
51219000	105269	1/24/2017	Temporary Vendor	219207	1/18/2017	WATER DEPOSIT REFUND	46.96
51219000	105280	1/27/2017	Temporary Vendor	11000104	1/18/2017	WATER DEPOSIT REFUND	55.51
51371445	105261	1/24/2017	Temporary Vendor	212701-RECONNECT	1/20/2017	UTILITY RECONNECT REFUND	50.00
51574201	105082	1/4/2017	CENTURYLINK	VARIOUS 12/16	12/16/2016	W/WW ALARM LINE-0246	51.63
51574201	105096	1/4/2017	Verizon Wireless	9777410972	12/21/2016	CELL PHONES	325.88
51574201	105105	1/10/2017	CENTURYLINK	W/WW 8356/0117	12/28/2016	W/WW ALARM LINE-8356	61.18
51574209	105084	1/4/2017	Day Auto Supply, Inc	701630	12/23/2016	BRAKLEEN & PTEX FOR SHOP	18.00
51574209	105162	1/17/2017	Day Auto Supply, Inc	701801	12/27/2016	BATTERY CLEANER FOR SHOP	3.73
51574209	105162	1/17/2017	Day Auto Supply, Inc	702431	1/4/2017	BATTERIES FOR WW-031	344.06
51574209	105162	1/17/2017	Day Auto Supply, Inc	702487	1/4/2017	CREDIT	(39.13)
51574215	105158	1/17/2017	BIA	16-Dec	1/4/2017	21242-ELECTRIC	1,330.76
51574215	105158	1/17/2017	BIA	16-Dec	1/4/2017	21245-ELECTRIC	2,458.17
51574215	105209	1/20/2017	ARIZONA PUBLIC SERVICE	Dec-16	1/6/2017	ELECTRIC	14,011.58
51574217	105249	1/24/2017	CASA GRANDE COURIER, INC.	1167	1/15/2017	COURIER FEES DECEMBER 2016 FOR WATER	252.00
51574217	105270	1/24/2017	SAFE SITE UTILITY SERVICES LLC	612109	12/28/2016	PROF. SERVICES: UTILITY LINE LOCATE	550.50
51574217	105294	1/31/2017	EUSI, LLC	2165	12/13/2016	PW MANAGEMENT SUPPORT AND CONSULTING SERVICES	4,500.00
51574217	105294	1/31/2017	EUSI, LLC	2175	1/3/2017	PW MANAGEMENT SUPPORT AND CONSULTING SERVICES	245.70
51574219	105199	1/19/2017	HENRY & HORNE, P.L.C.	237704	12/31/2016	AUDIT	7,392.74
51574301	105271	1/24/2017	Staples Business Advantage	3324564134	12/17/2016	ADDITIONAL AMOUNT ON PO#45516 FOR TAXES	38.62

51574301	105271	1/24/2017	Staples Business Advantage	3324564134	12/17/2016	OFFICE SUPPLIES: PRINTER CARTRIDGES-SWWTP	438.88
51574302	105258	1/24/2017	HOME DEPOT CREDIT SERVICES	2904177	12/12/2016	REFRIGERATOR FOR UTILITIES - WATER CREW	390.23
51574302	105300	1/31/2017	HACH COMPANY	10246923	12/22/2016	NITRATE TNT ALKALINITY TNT, DEIONIZED WATER, ETC	245.26
51574310	105257	1/24/2017	HILL BROTHERS CHEMICAL CO,	5094453	1/9/2017	600 GALS HYPOCHLORITE LIQUID BLEACH WELL 3B	832.37
51574312	105245	1/24/2017	A & M NUT & BOLT	287159	1/11/2017	SAFETY VESTS FOR WATER CREW	203.95
51574317	105267	1/24/2017	Pioneer Landscaping Mat., Inc	T281000102423	1/9/2017	2 TONS OF REPLACEMENT GRAVEL FROM SEWER TAP	89.87
51574320	105255	1/24/2017	FWC Supply LLC	S2783471.001	12/27/2016	MISC PARTS FOR STANDPIPE PROJECT	1,031.03
51574320	105263	1/24/2017	Mountain States Pipe & Supply	INV3117	11/22/2016	UTILITY LINE MAINTENANCE: 3 MAG METER@ INS"	2,239.57
51574403	105167	1/17/2017	JOY JONAS	111/17	12/15/2016	PER DIEM FOR MEALS FOR TRAINING 1/11/17	18.00
51581507	105252	1/24/2017	COOLIDGE ENGINE & PUMP, L.L.C	7156	1/17/2017	WU-65 WELL #5 BOOSTER PUMP STATION REPLACEMENT	20,566.85
Sub-Total							58,106.29

Sewer

52575201	105096	1/4/2017	Verizon Wireless	9777410972	12/21/2016	CELL PHONES	325.89
52575208	105262	1/24/2017	MISCOWATER	11398AZBR	1/4/2017	REPAIR-SWWTP SEEPEX PUMP STATOR REPLACEMENT	229.52
52575208	105272	1/24/2017	USABlueBook - ACCT 703717	132061	12/13/2016	ADDITIONAL FUNDS STENNER PUMP TUBE-SWWTP	86.88
52575208	105272	1/24/2017	USABlueBook - ACCT 703717	132061	12/13/2016	SWWTP: EMERGENCY CHEMICAL PUMP	500.00
52575208	105272	1/24/2017	USABlueBook - ACCT 703717	135101	12/16/2016	PSI BLUE WHITE PUMP A2F24-SWWTP	2,133.68
52575208	9987075	1/16/2017	PVC Pipe Supplies	123117 STMT	12/5/2016	PVC PIPE SUPPLIES PVC PARTS FOR REPAIRS AT SWWTP.	45.10
52575208	9987075	1/16/2017	PVC Pipe Supplies	123117 STMT	12/28/2016	PVC PIPE SUPPLIES: 1/2' SCHEDULE 80 CPVC UNION SOCKETS	65.55
52575209	105084	1/4/2017	Day Auto Supply, Inc	701630	12/23/2016	BRAKLEEN & PTEX FOR SHOP	18.00
52575209	105162	1/17/2017	Day Auto Supply, Inc	701801	12/27/2016	BATTERY CLEANER FOR SHOP	3.73
52575209	105162	1/17/2017	Day Auto Supply, Inc	702583	1/5/2017	BATTERY FOR WW-002	118.44
52575209	105162	1/17/2017	Day Auto Supply, Inc	702672	1/5/2017	CREDIT	(16.31)
52575209	105193	1/19/2017	Day Auto Supply, Inc	702556	1/5/2017	OIL & FILTER FOR WW-026	52.58
52575211	105203	1/19/2017	USABlueBook - ACCT 703717	123811	12/2/2016	SWWTP: MAINTENANCE SLUDGE JUDGE, LITHIUM GREASE	96.81
52575211	105203	1/19/2017	USABlueBook - ACCT 703717	123815	12/2/2016	MAINTENANCE: EPOXY PAINT FOR SWWTP	223.52
52575211	105256	1/24/2017	GRAINGER, INC.	9305396039	12/13/2016	SWWTP: MAINTENANCE HOUR METERS AND GASKETS	374.25
52575211	105268	1/24/2017	Pro-Tec Environmental, Inc.	16111601	11/17/2016	CLEAN POST EQ BASIN AT SWWTP	2,400.00
52575211	105268	1/24/2017	Pro-Tec Environmental, Inc.	16111601	11/17/2016	CLEAN UV CHANNEL AT SWWTP	517.50
52575211	105272	1/24/2017	USABlueBook - ACCT 703717	134104	12/15/2016	SWWTP: MAINTENANCE SLUDGE JUDGE, LITHIUM GREASE	125.66
52575211	105272	1/24/2017	USABlueBook - ACCT 703717	140247	12/23/2016	MAINTENANCE:2 GALLS EPOXY PAINT ACTIVATOR	177.96
52575211	105298	1/31/2017	Geuther Electrical, LLC	2134	11/18/2016	BLANKET PO FOR MAINTENANCE	160.00
52575215	105209	1/20/2017	ARIZONA PUBLIC SERVICE	Dec-16	1/6/2017	ELECTRIC	29,103.84
52575217	105249	1/24/2017	CASA GRANDE COURIER, INC.	1167	1/15/2017	COURIER FEES DECEMBER 2016 FOR SWWTP	836.00
52575217	105294	1/31/2017	EUSI, LLC	2165	12/13/2016	PW MANAGEMENT SUPPORT AND CONSULTING SERVICES	2,250.00
52575217	105294	1/31/2017	EUSI, LLC	2175	1/3/2017	PW MANAGEMENT SUPPORT AND CONSULTING SERVICES	122.85
52575219	105199	1/19/2017	HENRY & HORNE, P.L.C.	237704	12/31/2016	AUDIT	4,118.81
52575301	105264	1/24/2017	OFFICE DEPOT INC	889477093-001	12/22/2016	OFFICE SUPPLIES: WHITE/CORK BOARD	21.21
52575301	105271	1/24/2017	Staples Business Advantage	3324564134	12/17/2016	ADDITIONAL AMOUNT ON PO#45516 FOR TAXES	38.62
52575301	105271	1/24/2017	Staples Business Advantage	3324564134	12/17/2016	OFFICE SUPPLIES: PRINTER CARTRIDGES-UTILITIES-ADMIN	438.87
52575302	105272	1/24/2017	USABlueBook - ACCT 703717	134109	12/15/2016	LAB SUPPLIES: 3' & 6' LONG HANDLE DIPPERS.	176.12
52575302	105300	1/31/2017	HACH COMPANY	10253775	12/29/2016	BLANKET PO: LAB SUPPLIES	62.44
52575310	105248	1/24/2017	Capital One Commercial	130	12/22/2016	BLEACH FOR SWWTP - 4 THREE COUNT BOXES (12 BOTTLES)	36.52
52575310	105257	1/24/2017	HILL BROTHERS CHEMICAL CO,	50904242	12/19/2016	1,100 GALS HYPOCHLORITE LIQUID BLEACH SWWTP	1,864.73
52575310	105257	1/24/2017	HILL BROTHERS CHEMICAL CO,	50904269	12/13/2016	300 GAL TOTE LIQUID BLEACH FOR SWWTP	472.39

52575310	105257	1/24/2017	HILL BROTHERS CHEMICAL CO,	50904514	12/27/2016	1,000 GALS HYPOCHLORITE LIQUID BLEACH SWWTP	1,372.87
52575310	105257	1/24/2017	HILL BROTHERS CHEMICAL CO,	50904526	12/27/2016	CHEMICALS: SODIUM BISULFATE FOR SWWTP	1,484.40
52575310	105257	1/24/2017	HILL BROTHERS CHEMICAL CO,	50904526	12/27/2016	CHEMICALS: SODIUM BISULFATE FOR SWWTP	2,000.00
52575311	105256	1/24/2017	GRAINGER, INC.	9313784119	12/21/2016	SMALL TOOLS: 2- 4FT PLATFORM STEPLADDERS	462.79
52575335	105203	1/19/2017	USABlueBook - ACCT 703717	123958	12/2/2016	HOIST, CHAIN & STRAPS FOR PULLING PUMPS	730.89
52575335	105264	1/24/2017	OFFICE DEPOT INC	889791927-001	12/24/2016	OFFICE CHAIRS/STOOLS FOR OPERATORS AT WWTP	375.73
52575403	105167	1/17/2017	JOY JONAS	111/17	12/15/2016	PER DIEM FOR MEALS FOR TRAINING 1/11/17	18.00
52576201	105082	1/4/2017	CENTURYLINK	VARIOUS 12/16	12/16/2016	N/WW9-2394	54.93
52576201	105105	1/10/2017	CENTURYLINK	W/WW 8356/0117	12/28/2016	W/WW ALARM LINE-8356	61.18
52576208	105272	1/24/2017	USABlueBook - ACCT 703717	127215	12/7/2016	BACK UP SUBMERSIBLE PUMP	712.00
52576209	105084	1/4/2017	Day Auto Supply, Inc	701307	12/20/2016	MIRRORS FOR WW-003	147.07
52576209	105084	1/4/2017	Day Auto Supply, Inc	701630	12/23/2016	BRAKLEEN & PTEX FOR SHOP	17.97
52576209	105162	1/17/2017	Day Auto Supply, Inc	701801	12/27/2016	BATTERY CLEANER FOR SHOP	3.70
52576215	105158	1/17/2017	BIA	16-Dec	1/4/2017	21241-ELECTRIC	4,302.06
52576217	105249	1/24/2017	CASA GRANDE COURIER, INC.	1167	1/15/2017	COURIER FEES DECEMBER 2016 FOR NWWTP	836.00
52576217	105294	1/31/2017	EUSI, LLC	2165	12/13/2016	PW MANAGEMENT SUPPORT AND CONSULTING SERVICES	2,250.00
52576217	105294	1/31/2017	EUSI, LLC	2175	1/3/2017	PW MANAGEMENT SUPPORT AND CONSULTING SERVICES	122.85
52576301	105264	1/24/2017	OFFICE DEPOT INC	889791662-001	12/27/2016	OFFICE SUPPLIES: BINDERS FOR WWTP REPORTING	192.77
52576301	105264	1/24/2017	OFFICE DEPOT INC	889791928-001	12/27/2016	OFFICE CHAIRS/STOOLS FOR OPERATORS AT WWTP	42.42
52576301	105264	1/24/2017	OFFICE DEPOT INC	889796842-001	12/27/2016	OFFICE SUPPLIES: BINDERS FOR WWTP REPORTING	13.66
52576302	105272	1/24/2017	USABlueBook - ACCT 703717	134109	12/15/2016	LAB SUPPLIES: 3' & 6' LONG HANDLE DIPPERS.	176.12
52576302	105300	1/31/2017	HACH COMPANY	10246923	12/22/2016	NITRATE TNT ALKALINITY TNT, DEIONIZED WATER, ETC	245.25
52576302	105300	1/31/2017	HACH COMPANY	10253775	12/29/2016	BLANKET PO: LAB SUPPLIES	62.45
52576403	105167	1/17/2017	JOY JONAS	111/17	12/15/2016	PER DIEM FOR MEALS FOR TRAINING 1/11/17	18.00
52581507	105290	1/31/2017	CED CASA GRANDE #0969	0969-403002	10/13/2016	EXPANSION MATERIALS FOR ELECTRICAL WORK	293.12
52581507	105298	1/31/2017	Geuther Electrical, LLC	2136	11/18/2016	SU-12 INSTALL NEW SAND FILTER ELECT. JUNCTION BOX	1,360.00
52581507	105298	1/31/2017	Geuther Electrical, LLC	2178	1/6/2017	SU-12 INSTALL NEW SAND FILTER ELECT. JUNCTION BOX	667.29
52581507	105298	1/31/2017	Geuther Electrical, LLC	2181	1/6/2017	CIP SU-12 NWWTP ELECTRICAL RELOCATE	480.00

Sub-Total

65,684.68

Sanitation

53219000	104717	Multiple	Temporary Vendor	710201	11/28/2016	VOIDED CHECK	(42.50)
53219000	105107	1/10/2017	Temporary Vendor	790270	1/9/2017	REFUND SANITATION DEPOSIT	51.00
53219000	105113	1/10/2017	Temporary Vendor	790450	1/9/2017	REFUND SANITATION DEPOSIT	51.00
53219000	105121	1/10/2017	Temporary Vendor	790110	1/9/2017	REFUND SANITATION DEPOSIT	51.00
53219000	105123	1/10/2017	Temporary Vendor	790120	1/9/2017	REFUND SANITATION DEPOSIT	51.00
53219000	105128	1/10/2017	Temporary Vendor	703601	1/9/2017	REFUND SANITATION DEPOSIT	51.00
53219000	105130	1/10/2017	Temporary Vendor	789160	1/9/2017	REFUND SANITATION DEPOSIT	51.00
53219000	105131	1/10/2017	Temporary Vendor	720640	1/9/2017	REFUND SANITATION DEPOSIT	51.00
53219000	105132	1/10/2017	Temporary Vendor	790220	1/9/2017	REFUND SANITATION DEPOSIT	51.00
53219000	105166	1/17/2017	Temporary Vendor	710201-REPLACE	11/28/2016	REFUND SANITATION DEPOSIT	42.50
53219000	105247	1/24/2017	Temporary Vendor	786140	1/18/2017	REFUND SANITATION DEPOSIT	25.50
53219000	105253	1/24/2017	Temporary Vendor	791010	1/19/2017	REFUND SANITATION DEPOSIT	51.00
53571201	105096	1/4/2017	Verizon Wireless	9777410972	12/21/2016	CELL PHONES	44.73
53571217	105129	1/10/2017	RIGHT AWAY DISPOSAL	1454070	1/1/2017	RAD CONTACT RESIDENTIAL	47,389.84
53571219	105199	1/19/2017	HENRY & HORNE, P.L.C.	237704	12/31/2016	AUDIT	316.83

53571301	9987075	1/16/2017	AMAZON.COM	123117	STMT	12/12/2016	FLASH MEMORY CARDS FOR SANITATION CAMERAS	59.92	
Sub-Total									48,295.82

Grants

244516407	105090	1/4/2017	POSITIVE PROMOTIONS	5654645		12/19/2016	EVENT TENT/PROMOTIONAL PENS	2,118.46	
249516312	105096	1/4/2017	Verizon Wireless	9777410972		12/21/2016	PD STONE GARDEN CELL PHONES	66.60	
Sub-Total									2,185.06

SLID

300506215	105154	1/17/2017	Arizona Public Service Company	454526287	1/17	1/5/2017	SLID #1-MERRILL RANCH	2,428.10	
301506215	105154	1/17/2017	Arizona Public Service Company	521526288	1/17	1/5/2017	SLID #2 MERRILL RANCH	2,292.97	
302506215	105154	1/17/2017	Arizona Public Service Company	915626281	1/17	1/5/2017	SLID #3 MERRILL RANCH	1,719.46	
Sub-Total									6,440.53

Impound Fund

Sub-Total									-
-----------	--	--	--	--	--	--	--	--	---

CFD's

911160000	105232	1/20/2017	Temporary Vendor	1816000005	OP	1/11/2017	OVERPAYMENT	-	
911160000	105235	1/20/2017	Temporary Vendor	181600005-OP		1/11/2017	OVERPAYMENT	335.80	
920506217	105307	1/31/2017	SIMS MURRAY, LTD	16852		12/31/2016	LEGAL SERVICES: CFD MATTER	2,700.00	
921160000	105206	1/20/2017	Temporary Vendor	202501079-OP		1/17/2017	OVERPAYMENT	213.29	
921160000	105219	1/20/2017	Temporary Vendor	202301099-OP		1/17/2017	OVERPAYMENT	215.11	
921160000	105266	1/24/2017	Temporary Vendor	202301086-OP		1/17/2017	OVERPAYMENT	215.11	
957506217	105199	1/19/2017	HENRY & HORNE, P.L.C.	237704		12/31/2016	AUDIT	1,056.11	
958506217	105199	1/19/2017	HENRY & HORNE, P.L.C.	237704		12/31/2016	AUDIT	1,056.11	
Sub-Total									5,791.53

TOTAL WARRANTS	573,252.67
-----------------------	-------------------



TOWN OF FLORENCE COUNCIL ACTION FORM

AGENDA ITEM 8a.

MEETING DATE: March 6, 2017

DEPARTMENT: Public Works Department

STAFF PRESENTER: Chris Salas, Public Works Director

SUBJECT: Resolution No. 1618-17: South Wastewater Reclamation Facility Masterplan

- Action
- Information Only
- Public Hearing
- Resolution
- Ordinance
 - Regulatory
 - 1st Reading
 - 2nd Reading
- Other

RECOMMENDED MOTION/ACTION:

Adopt Resolution No. 1618-17: **A RESOLUTION OF THE TOWN OF FLORENCE, PINAL COUNTY, ARIZONA, ACCEPTING THE TOWN OF FLORENCE SOUTH WASTEWATER RECLAMATION FACILITY MASTER PLAN, INCLUDING THE PRELIMINARY DESIGN REPORT PREPARED BY WATERWORKS ENGINEERS AND TO CONSIDER THE STUDY RECOMMENDATIONS WHERE APPROPRIATE AND FEASIBLE.**

BACKGROUND/DISCUSSION:

The Town retained the services of Water Works Engineers, LLC, to perform a Masterplan Study for the South Wastewater Reclamation Facility. Staff will present the findings of this study for consideration by Council.

The plant was originally built in 1985 using lagoon based treatment, and was expanded in 2007 using a sequencing batch reactor treatment with 2,500,000 gallons per day of capacity. Current wastewater flows are approximately 1,600,000 gallons per day.

The Engineers designed the Plant to achieve A+ effluent, although we are currently permitted for B+, which can be used for irrigation and or recharge to create long term water credits. Treated water is currently used for irrigation with some water discharged to the river.

Some treatment units, like the headworks screen facilities, are over 30 years old and have no means of odor control. The initial phase of partial odor control can cost over \$1,000,000, plus there is up to 1,000 feet of setback required.

The Masterplan outlines a four phased expansion program and projects budget costs for expanding the plant from the current 2,500,000 gallons per day of capacity to 16,000,000 gallons per day of capacity.

Following approval of this Masterplan, Town Staff will need to review planned area development and possible increases in wastewater demands to create an overall financing and implementation plan that will maintain adequate capacity to support the growth of Florence and remain in compliance with regulatory requirements.

FINANCIAL IMPACT:

For information only

STAFF RECOMMENDATION:

Adopt Resolution No. 1618-17

ATTACHMENTS:

- Resolution No. 1618-17
- South Wastewater Reclamation Facility Masterplan (Expansion Preliminary Design Report)
- Power Point Presentation

RESOLUTION NO. 1618-17

A RESOLUTION OF THE TOWN OF FLORENCE, PINAL COUNTY, ARIZONA, ACCEPTING THE TOWN OF FLORENCE SOUTH WASTEWATER RECLAMATION FACILITY MASTER PLAN, INCLUDING THE PRELIMINARY DESIGN REPORT PREPARED BY WATERWORKS ENGINEERS AND TO CONSIDER THE STUDY RECOMMENDATIONS WHERE APPROPRIATE AND FEASIBLE.

WHEREAS, the Town performed a master plan study, including a preliminary design report (the "Study") for the South Wastewater Reclamation Facility (the "Facility") for guidance related to improvements and future expansion of the Facility; and

WHEREAS, the Study recommends a four-phased expansion program and projects budget costs for expanding the Facility from the current 2,500,000 gallons per day of capacity to 16,000,000 gallons per day of capacity;

NOW, THEREFORE, BE IT RESOLVED by the Mayor and Council of the Town of Florence, Arizona, as follows:

Section 1. The Council accepts the South Wastewater Reclamation Facility Master Plan, including the preliminary design report prepared by Waterworks Engineers and accepts the Study recommendations for the South Wastewater Reclamation Facility where appropriate and feasible.

Section 2. The Council authorizes the Town Manager to secure funding necessary for the Council to carry out the Study recommendations in a timely manner where appropriate and feasible.

PASSED AND ADOPTED by the Mayor and Council of the Town of Florence, Arizona, this 6th day of March 2017.

Tara Walter, Mayor

ATTEST:

APPROVED AS TO FORM:

Lisa Garcia, Town Clerk

Clifford L. Mattice, Town Attorney



**Town of Florence
South Wastewater Treatment Plant
Expansion**

**PRELIMINARY
DESIGN REPORT**

November 2016



WATERWORKS
ENGINEERS



TOWN OF FLORENCE, AZ

SOUTH WASTEWATER TREATMENT PLANT EXPANSION

Basis of Design Technical Memorandum

Date: November 4, 2016
Prepared By: Rob Bryant, P.E.
 Meghan Poage, P.E.

TABLE OF CONTENTS

Section 1	Purpose	4
Section 2	Background & Overview	4
Section 3	Existing Plant.....	5
Section 4	Effluent Requirements.....	6
4.1	Aquifer Protection Permit (APP)	7
4.2	Arizona Pollutant Discharge Elimination System Permit	8
4.3	Effluent Quality Criteria.....	10
Section 5	Current Wastewater Loading and Process Performance	10
5.1	Data Sources.....	10
5.2	Raw Wastewater Flows and Loads	11
5.2.1	Peaking Factors and Flow Projections	11
5.2.2	Design Loading Rates	13
Section 6	Unit Process Design.....	15
6.1	Overview.....	15
6.2	Influent Sewer Capacity.....	17
6.2.1	Existing Facilities.....	17
6.2.2	Planned Expansion	17
6.2.3	Short Term Improvements.....	17
6.3	Preliminary Screening	17
6.3.1	Existing Facilities.....	17
6.3.2	Short Term Improvements.....	18
6.4	Influent Pump Station	19
6.4.1	Existing Facilities.....	19
6.4.2	Planned Expansion	19
6.4.3	Short Term Improvements.....	20
6.5	Fine Screen and Grit Facility	20
6.5.1	Fine Screening	21
6.5.2	Grit Removal	22
6.6	Primary Clarifiers.....	23
6.6.1	Existing Facilities.....	23
6.6.2	Planned Expansion	23
6.7	Secondary Treatment.....	24
6.7.1	Existing Facilities.....	24



Town of Florence
South Wastewater Treatment Plant Expansion
Preliminary Design Report

6.7.2	Planned Expansion	25
6.8	Process Air Blowers	29
6.8.1	Existing Facilities.....	29
6.8.2	Planned Expansion	30
6.8.3	Short Term Improvements.....	30
6.9	Secondary Clarifiers	31
6.9.1	Existing Facilities.....	31
6.9.2	Planned Expansion	31
6.10	Scum Pump Station	32
6.11	Return Activated Sludge Pumping	32
6.12	Waste Activated Sludge (WAS) Pumping	33
6.13	Filtration	33
6.13.1	Existing Facilities.....	33
6.13.2	Planned Expansion	34
6.13.3	Short Term Improvements.....	35
6.14	Disinfection	35
6.14.1	Existing Facilities.....	35
6.14.2	Planned Expansion	35
6.14.3	Short Term Improvements.....	38
Section 7	Chemical Storage & Feed Systems	38
7.1	Sodium Hypochlorite	38
7.1.1	Existing Facilities.....	38
7.1.2	Planned Expansion	38
7.1.3	Short Term Improvements.....	38
7.2	Sodium Bisulfite.....	39
7.2.1	Existing Facility.....	39
7.2.2	Planned Expansion	39
7.2.3	Short Term Improvements.....	40
Section 8	Effluent Management	40
8.1	Existing Facilities	40
8.2	Recharge Basins	41
8.3	Recharge Wells	41
8.4	Reclaimed Water Pump Station	41
Section 9	Solids Handling	42
9.1	Sludge Digestion	42
9.1.1	Existing Facilities.....	42
9.1.2	Planned Expansion	42
9.1.3	Short Term Improvements.....	44
9.2	Sludge Thickening.....	44
9.3	Sludge Dewatering	45
9.3.1	Existing Facilities.....	45
9.3.2	Planned Expansion	45
9.3.3	Short Term Improvements.....	46
Section 10	Site Planning	46
10.1	Odor Control	46



10.1.1	Setback Easements	46
10.1.2	Process Unit Sizing	50
10.1.3	Recommendations	50
10.2	Administrative Building.....	50
10.3	Site Access	51
10.4	Utilities	52
10.4.1	Potable Water.....	52
10.4.2	Natural Gas	53
10.5	Lighting	53
10.6	Design Codes and Standards	54
10.7	Electrical Requirements	54
10.7.1	Power Service and Distribution	54
10.7.2	Standby Power	55
10.8	Instrumentation and Control Modifications.....	56
10.8.1	Communications Systems.....	57
10.8.2	Uninterruptible Power Supply.....	58

LIST OF FIGURES

Figure 2-1	Site Location and Aerial Photo of the SWWTP	4
Figure 5-1	Peaking Factors	12
Figure 5-2	Measured Influent Solids (TSS) and Organics (BOD ₅) Loading	14
Figure 6-1	Facilities Master Plan	16
Figure 6-2	Planned SBR Conversion and Bioreactor Configuration	26
Figure 10-1	Odor Control Setback Scenarios	47
Figure 10-2	Odor Control Setback Scenarios Including Option 4	48
Figure 10-2	Hydrant Study Conducted by the Town.....	52

LIST OF TABLES

Figure 2-1	Site Location and Aerial Photo of the SWWTP	4
Figure 5-1	Peaking Factors	12
Figure 5-2	Measured Influent Solids (TSS) and Organics (BOD ₅) Loading	14
Figure 6-1	Facilities Master Plan	16
Figure 6-2	Planned SBR Conversion and Bioreactor Configuration	26
Figure 10-1	Odor Control Setback Scenarios	47
Figure 10-2	Odor Control Setback Scenarios Including Option 4	48
Figure 10-2	Hydrant Study Conducted by the Town.....	52

Appendices

- Appendix A – Site Plan
- Appendix B – BioWin Process Results



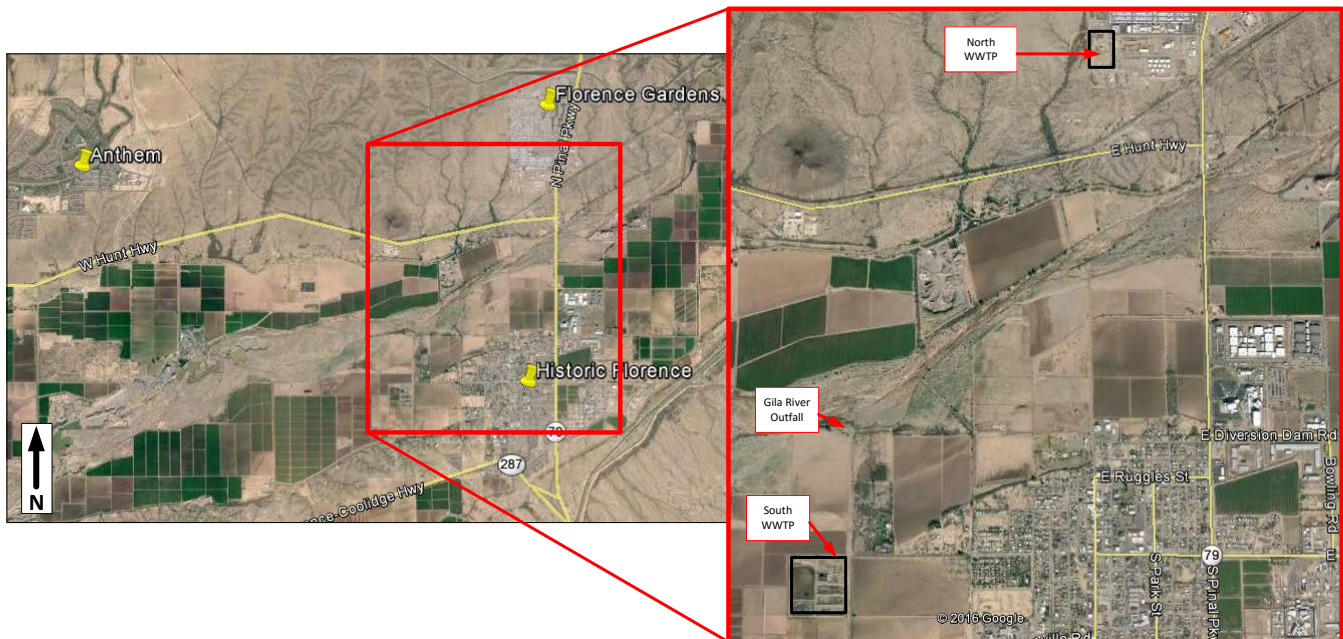
Section 1 Purpose

Expansion of the Town of Florence (Town) South Wastewater Treatment Plant (SWWTP) is planned to increase the existing design capacity of 2.5 million gallons per day (MGD) to an ultimate build out capacity of 16 MGD. Operating data from January through December 2015 was analyzed to establish the design loading rates used to plan for plant expansion. This facility design report presents the current design loading rate analysis and develops the master plan for the facility for future phases.

Section 2 Background & Overview

The SWWTP was originally built in 1985 (lagoon based treatment plant, Average Annual Day (AAD) capacity of 1.5 MGD) and was expanded and upgraded to a 2.5 MGD Sequencing Batch Reactor Plant (SBR) in 2003. Figure 2-1, shown below, is an aerial image of the SWWTP and the surrounding land.

Figure 2-1 Site Location and Aerial Photo of the SWWTP

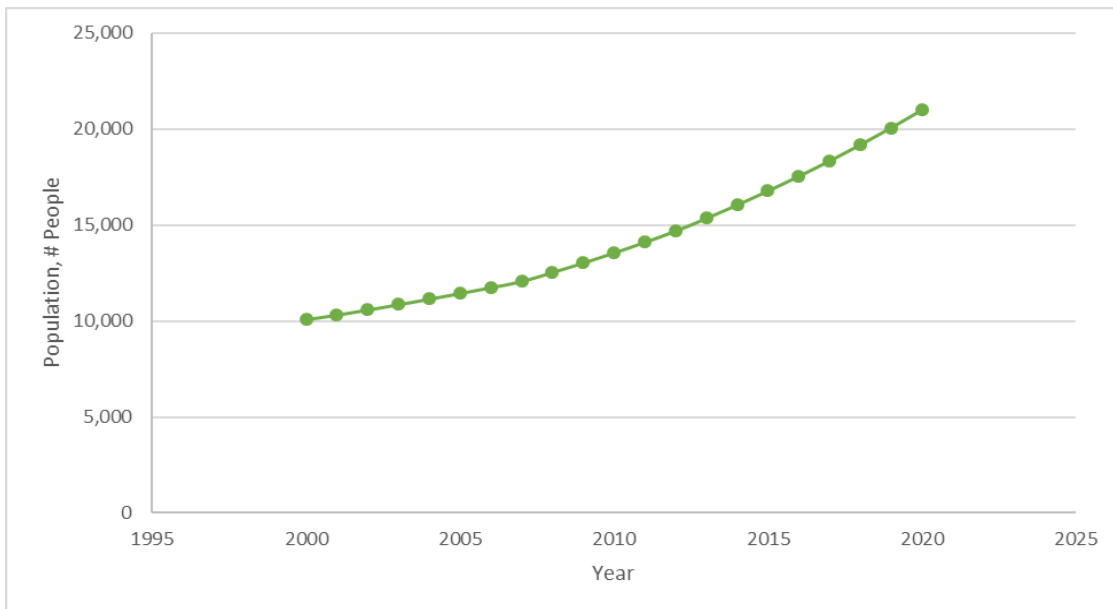


The SWWTP currently services a population of approximately 17,000 people. The Wastewater Master Plan (WW Master Plan) prepared in January 2008 by Fluid Solutions recommended that the facility be expanded to 15.5 MGD, which was significantly higher than the originally planned capacity for the facility.



There are currently no major sources of industrial wastewater in the area. There are several existing and planned prisons within the wastewater collection system, which are expected to be expanded in the future, thereby increasing the amount of wastewater that will be treated at the SWWTP. Population growth projections for the Historic Area of Florence, based on data provided in the WW Masterplan are shown in Figure 2-2.

Figure 2-2 Population Growth Projections



Section 3 Existing Plant

The Florence SWWTP treatment processes consist of fine screening, vortex grit removal, biological treatment via sequencing batch reactors (SBRs), tertiary filtration using cloth media and ultra violet (UV) and chlorine disinfection. Final effluent is discharged into an irrigation ditch to be used for agricultural irrigation. An alternate discharge to the Gila River is available when agricultural demand is low/not available. On average, over 60 percent of the flow is used for agricultural irrigation while the balance is discharged at the river outfall after dechlorination. The Town's ultimate goal is to establish and maximize effluent recharge as the primary use of effluent disposal. This requires ADEQ approval through an Underground Storage Facility (USF) permit and a Water Storage (WS) permit.



Section 4 Effluent Requirements

The SWWTP currently operates under both an Arizona Pollutant Discharge Elimination System (AZPDES) permit and an Aquifer Protection Permit (APP). These permits govern effluent discharge quality requirements for discharge to navigable waters of the United States (AZPDES) and general plant performance and overall discharge effluent quality (APP).

The SWWTP currently produces effluent that is Class A+ reclaimed water but is only required to produce Class B+ to meet its current permit requirements. Reclaimed water classifications, dictated by the Arizona Department of Environmental Quality (ADEQ) and Arizona Administrative Code (A.A.C.) R18-11-305, are established based on a combination of the minimum treatment requirements and a set of water quality requirements. Class B+ reclaimed water requires secondary treatment, nitrogen removal treatment, and disinfection. The recent addition of tertiary filtration provided the plant with a more reliable system to meet ADEQ Best Available Demonstrated Control Treatment (BADCT) and improve the water quality with respect to turbidity and disinfection.

Once Phase 1 facility expansion occurs, the SWWTP can be re-permitted for Class A+ reclaimed water. Class A+ reclaimed water is wastewater that has undergone secondary treatment, filtration, nitrogen removal, and disinfection. Additionally, chemical feed systems to add coagulants or polymers are required to ensure that filtered effluent complies with 24-hour average turbidity requirements before disinfection.

Table 4-1 illustrates the differences between the different classes of reclaimed water according to A.A.C R-18-11-301.



Table 4-1 Reclaimed Water Classifications

Reclaimed Water Classification		Class A+	Class A	Class B+	Class B	Class C
Treatment	Secondary	X	X	X	X	X
	Nitrogen Removal	X	-	X	-	-
	Filtration (Including Coagulant/Polymer Addition)	X	X	-	-	-
	Disinfection	X	X	X	X	Optional
Effluent Quality Standards	Fecal Coliform, 4 of 7 Samples, CFU/100mL	Non-Detect	Non-Detect	<200	<200	<1,000
	Fecal Coliform, Single Sample Max., CFU/100mL	<23	<23	<800	<800	<4,000
	Nitrogen (5-sample geometric mean), mg/L	<10	-	<10	-	-
	Turbidity, 24-hour average, NTU	< 2	< 2	-	-	-
	Turbidity, Instantaneous Max., NTU	5	5	-	-	-

4.1 Aquifer Protection Permit (APP)

The APP is a part of Arizona’s regulatory program for the protection of groundwater quality. As specified in A.A.C. R18-9-B201, all facilities operating under an APP must exhibit BADCT.

The SWWTP currently operates under APP No. 100370 and compliance is based on aquifer water quality in a monitoring well at defined Point of Compliance (POC) wells, which are detailed in Table 4-2.

Table 4-2 Aquifer Protection Permit POCs

POC Number	ADWR Well Identification Number	P.O.C. Location	Latitude	Longitude
1	55-584201	SE Well, located near the southeast corner of the treatment plant site, adjacent to Plant Road	33° 01'39" N	111° 24'17" W
2A	55-916170	Located at the northwest corner of the WRF	33° 01'52.16" N	111° 24'33.63" W
3	N/A (Conceptual POC)	Downstream of AZPDES discharge point to the Gila River	33° 02'26" N	111° 24'22" W



The following constituents are monitored at the POC points listed above:

Table 4-3 APP Groundwater Monitoring Requirements

Constituent	Alert Level	Aquifer Quality Limit	Sample Frequency
Total Nitrogen	Not established.	15 mg/L	Monthly
Nitrate-Nitrite as N	Not established.	15 mg/L	Monthly
Nitrate as N	Not established.	15 mg/L	Monthly
Nitrite as N		1 mg/L	Monthly
Total Kjeldahl Nitrogen (TKN)	Not established.	Not established.	Monthly
Total Coliform			Monthly
Metals	See Permit.	See Permit.	Semi-Annually
Volatile and Semi-Volatile Organic Compounds (VOCs and SVOCs)	See Permit.	See Permit.	Semi-Annually

In addition to monitoring groundwater quality, the current APP requires monitoring of the plant discharge flowrate which is measured daily, downstream of the dechlorination point and upstream of the outfall pipes. Discharge samples are analyzed for the constituents listed below.

Table 4-4 APP Discharge Monitoring Requirements

Constituent	Alert Level	Aquifer Quality Limit	Sample Frequency
E.coli (Single Sample Maximum)	Not established.	15 MPN	Daily (min. 4 samples per week)
E. coli (4 of 7 samples in a week)	Not established.	Non-detect	Daily
Total Nitrogen	8 mg/L	10 mg/L	Monthly
Metals	See permit.	See permit.	Quarterly
Volatile and Semi-Volatile Organic Compounds (VOCs and SVOCs)	See permit.	See permit.	Semi-Annually

The APP on file with ADEQ has recently been updated to include reuse pump station and filtration system projects (April 22, 2016). This permit must also be revised prior to startup of any future plant expansions.

Current reclaim permit is covered via individual users Type 2 Reclaimed Water General Permit. There currently is only one of these permits in effect (R105352 – DC Farms).

4.2 Arizona Pollutant Discharge Elimination System Permit

The AZPDS Permit Program regulates all facilities which may discharge pollutants from any point source into navigable waters of the United States. The current AZPDES permit (AZ0025208) for the



Town of Florence
South Wastewater Treatment Plant Expansion
Preliminary Design Report

SWWTP regulates surface water discharge from the 2.5 MGD plant to the Gila River (Outfall 001) located in the Middle Gila River Basin (see Figure 1). The facility is also authorized under the AZPDES permit to utilize effluent for beneficial purposes under a reclaimed water permit. An AZPDES amendment will be obtained to cover the increased capacity resulting from the 4.0 MGD (Phase 2) and subsequent expansions.

Key requirements of the existing AZPDES permit are listed in Table 4-5. Requirements for trace substances (including metals, VOCs, etc) are listed in the permit.

- Flow limit of 2.5 MGD;
- BOD5 limit of 30 mg/L (monthly average);
- TSS limits of 30 mg/L (monthly average);
- Minimum 85 percent BOD5 and TSS removal; and
- Fecal coliform monthly geometric mean limit of 126 coliform forming units (CFU) or most probable number (MPN) per 100 mL of a minimum of 5 samples, or a daily maximum of 575 CFU or MPN per 100 mL.

Table 4-5 AZPDES Discharge Monitoring

Constituent	Monthly Average	Weekly Average	Daily Maximum	Sample Frequency
Discharge Flow, MGD	2.5 (Design Capacity)	-	-	Continuous
BOD5, mg/L	30	45	-	1x/Every 2 weeks
BOD Minimum Removal	85%			1x/Every 2 weeks
TSS, mg/L	30	1x/Every 2 weeks	-	
TSS Minimum Removal	85%			1x/Every 2 weeks
E. coli, CFU/100mL	126		575	4x/Month
Whole Effluent Toxicity (WET)	See permit	N/A	See permit	Annually

The AZPDES POC for the SWWTP is the current discharge location to the Gila River (Outfall 001). This point of compliance will remain the same for future phases of plant expansion. The Town recently (August 26, 2015) processed of an application for renewal of the AZPDES Permit for the flow limit of 2.5 MGD.



4.3 Effluent Quality Criteria

The future anticipated effluent limits for the Florence SWWTP are summarized in Table 4-6 and are in accordance with BADCT and Class A+ reclaimed water quality requirements.

Table 4-6 Effluent Discharge Limits

Parameter, Unit	Proposed Effluent Limit
BOD ₅ - Monthly Average, mg/L	10
BOD ₅ - Weekly Average, mg/L	20
TSS - Monthly Average, mg/L	10
TSS - Weekly Average, mg/L	20
BOD ₅ , CBOD ₅ , and TSS Removal, %	>85
Filtered Effluent Turbidity - 24-hour Average, NTU	2
Filtered Effluent Turbidity - Instantaneous Maximum, NTU	5
Total Nitrogen - Five-Month Rolling Geometric Mean, mg/L	< 8
pH, SU	6 to 9
Fecal Coliform - Single Sample Maximum, CFU or MPN/100 mL	23
Fecal Coliform and/or Enteric Virus - Four of last Seven Daily Samples	Fecal coliform non-detect
Inorganic Chemicals/Metals ¹	Applicable
Organic Chemicals/VOCs ¹	Applicable
Pesticides and PCBs ¹	Applicable
Radionuclides ¹	Applicable
Notes: ¹ Standard varies with respect to the contaminant, for a full list of contaminant effluent criteria refer to A.A.C. R18-11-303.	

Section 5 Current Wastewater Loading and Process Performance

5.1 Data Sources

Daily plant data for the period of January through December 2015 was provided by the Town. Raw wastewater flow is recorded daily and influent five-day biochemical oxygen demand (BOD₅) and total suspended solids (TSS) are measured twice per month. The Plant currently does not measure influent nitrogen (e.g., ammonia, total Kjeldahl nitrogen) or phosphorus. To size future nitrification/denitrification processes, the influent total Kjeldahl nitrogen (TKN) was estimated as 50 mg N/L and influent phosphorus was estimated as 10 mg/L. Due to the surrounding agricultural areas and higher percentage of correction facilities served by the collection system, the nitrogen and phosphorus influent levels are expected to be higher than typical municipal wastewater averages as shown in Table 5-1.



Table 5-1 Typical Composition of Untreated Wastewater

Contaminant	Low Strength	Medium Strength	High Strength
Total Nitrogen	20	40	70
Total Phosphorus	4	7	12

5.2 Raw Wastewater Flows and Loads

5.2.1 Peaking Factors and Flow Projections

Average wastewater flow projections were based on currently planned plant expansions and are presented in Table 5-2. The current average flow rate at the facility is about 1.55 MGD and the population served consists of about 18,000 people (7,000 Town residents and 11,000 inmates from correctional facilities). This equates to a total wastewater flow of 86 gallons per capita per day. An analysis was performed for 65 gallons per capita per day (gpcd) and 100 gpcd to determine the population served in future phases based on varying population growth projections and future water usage trends.

Table 5-2 Design Expansion Flow Summary

Phase	Avg. Flow, MGD	Min. Flow, MGD	Population		Peak Hour Peaking Factor		Peak Hour Flow, mgd	
			100 gpcd	65 gpcd	100 gpcd	65 gpcd	100 gpcd	65 gpcd
Existing Capacity¹	2.50	1	25,000	38,460	2.90	2.72	7.3	6.8
1	4	1.6	40,000	61,540	2.70	2.52	10.8	10.1
2	8	3.2	80,000	123,080	2.41	2.24	19.3	17.9
3	12	4.8	120,000	184,620	2.25	2.10	27.0	25.2
4	16	6.4	160,000	246,150	2.15	2.00	34.4	32.0

¹From data provided by the Town of Florence

The minimum flow for each phase is estimated at 40% of the average flow rate. Peak hour flows were calculated based on the average water usage and population served as described in the following equation provided by ADEQ Bulletin 11.

$$Q_{Max}/Q_{Avg} = 5.0/P^{1/6}$$

Where:

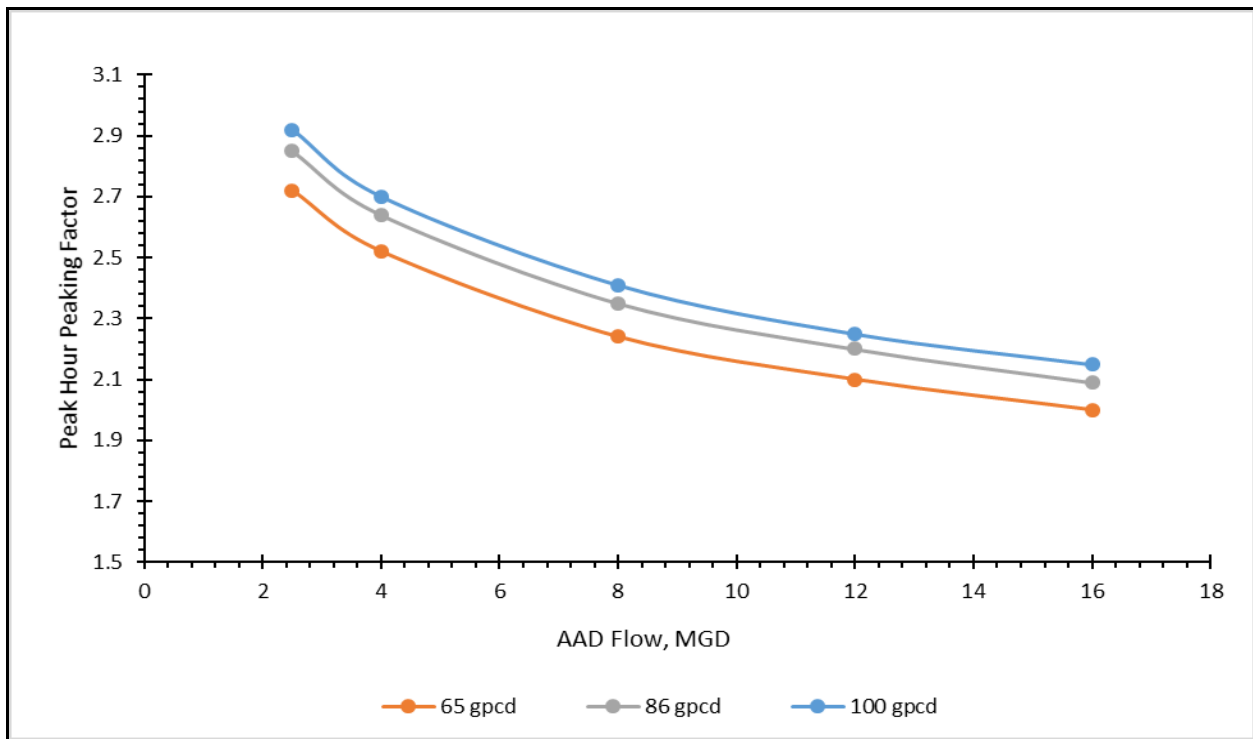
Q_{Max}/Q_{Avg} - Peak Hour Peaking Factor

P - Population in thousand



Population served based on these flow demands are presented in Table 5-2. Figure 5-1 represents the plotted peaking factors that correspond to the calculated 86 gpcd as well as the 65 or 100 gpcd flows used for the peaking factor analysis.

Figure 5-1 Peaking Factors



As shown, utilizing 100 gpcd as the design peaking factors is a conservative approach as compared to the calculated 86 gpcd. As this is a planning document and population growth rates can only be speculated, the more conservative value of 100 gpcd will be used as the basis for design for the phased capacity of the facility. Design flow rates utilizing this value are demonstrated in Table 5-3.



Table 5-3 Design Flow Rates

Phase	AAD	ADMM		Max. Day		Peak Hour	
	Flow Rate, MGD	Peaking Factor	Flow Rate, MGD	Peaking Factor	Flow Rate, MGD	Peaking Factor	Flow Rate, MGD
Existing Flows	1.55	1.2	1.9	1.6	2.5	2.0	3.1
Existing Capacity	2.5	1.2	3.0	1.6	4.0	1.7	4.2
1	4.0	1.2	4.8	2.2	8.8	2.70	10.8
2	8.0	1.2	9.6	1.9	15.2	2.41	19.3
3	12.0	1.2	14.4	1.8	21.6	2.25	27.0
4	16.0	1.2	19.2	1.7	27.2	2.15	34.4

5.2.2 Design Loading Rates

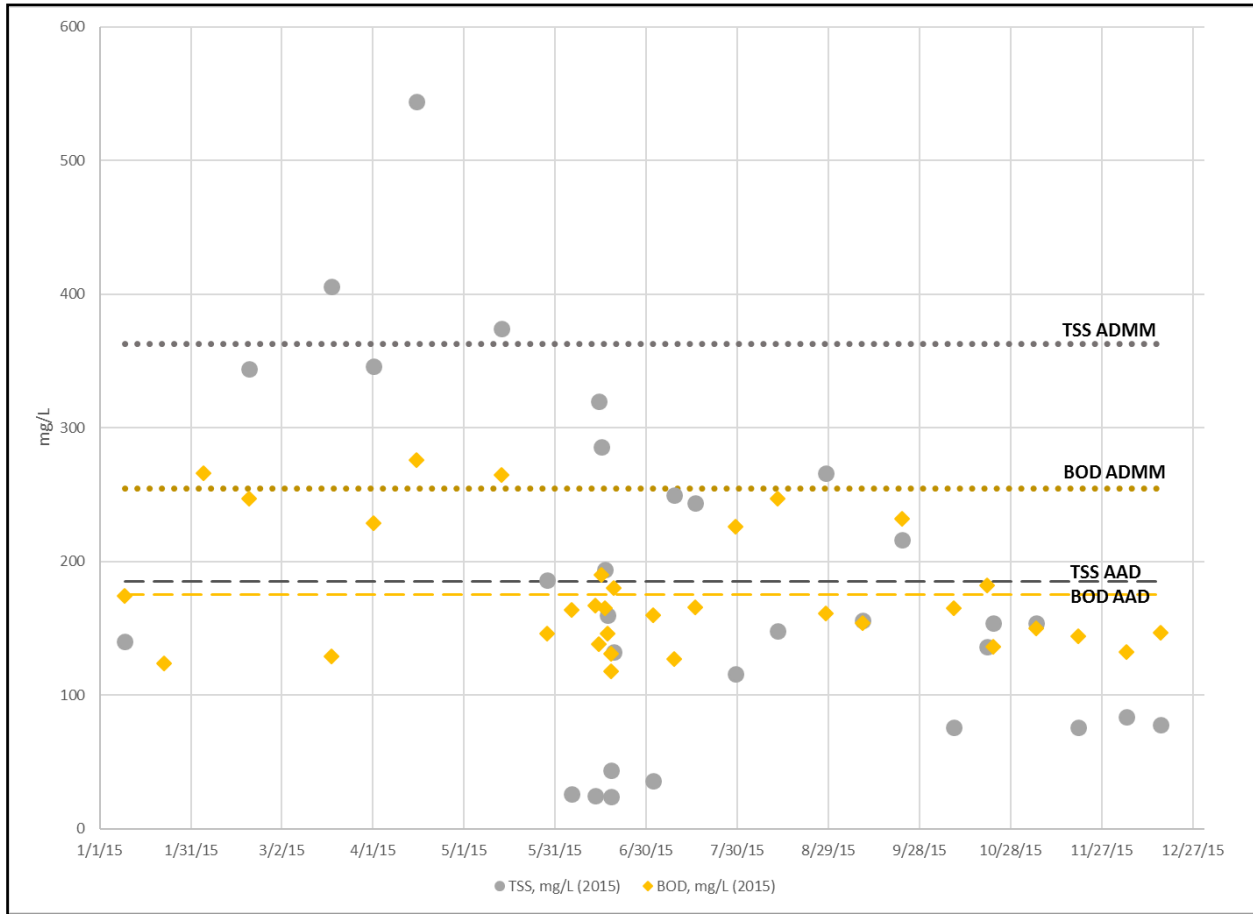
The raw wastewater characteristics from 2015 are depicted in Figure 5-2. The design loading, based on this data, summarized in Table 5-4, is based on a statistical analysis whereas only data which fell within two standard deviations of the median were considered. The ADMM loading condition was calculated as the 92nd percentile.

Table 5-4 Loading Data, 2015

Parameter, Unit	BOD	TSS
Data Range, mg/L	118-424	24-968
Median, mg/L	165	158
2 nd Standard Deviation (low range/high range), mg/L	0/287	0/564
Data Range (Outliers Removed), mg/L	118-276	24-544
Average Annual Day (AAD), mg/L	175	185
Average Day Maximum Month (ADMM), mg/L	255	363



Figure 5-2 Measured Influent Solids (TSS) and Organics (BOD₅) Loading



Typical municipal wastewater influent concentrations range from 110-350 mg/L BOD₅ with an average value of 190 mg/L; and 309-14,230 mg/L TSS, with an average value of 720 mg/L (Metcalf & Eddy, Tale 3-15).

Using both the historic data and design flow rates, ADMM solids and organic loadings were calculated using two differing methods:

- AAD Flow x ADMM Concentration
- ADMM Flow x AAD Concentration

Table 5-5 lists the results of the two methods. The selected design loading values, which are the most conservative of the methods, are shown in red for the SWWTP future phases.



Table 5-5 Estimated Design Influent Solid and Organic Loads at the SWWTP

Parameter, Unit	Existing	Existing Plant Design	Phase 1	Phase 2	Phase 3	Build-Out
<i>AAD Flow x ADMM Concentration</i>						
Flow – AAD, MGD	1.55	2.5	4	8	12	16
ADMM BOD, mg/L	255	255	255	255	255	255
Calculated BOD Load, pdd	3,300	5,320	8,510	17,010	25,520	34,030
ADMM TSS, mg/L	363	363	363	363	363	363
Calculated TSS Load, ppd	4,690	7,570	12,110	24,220	36,330	48,440
<i>ADMM Flow x AAD Concentration</i>						
Flow – ADMM, MGD	1.8	3	4.8	9.6	14.4	19.2
AAD BOD, mg/L	175	175	175	175	175	175
Calculated BOD Load, pdd	2,630	4,390	7,020	14,030	21,050	28,070
AAD TSS, mg/L	185	185	185	185	185	185
Calculated TSS Load, pdd	2,780	4,630	7,410	14,830	22,240	29,650

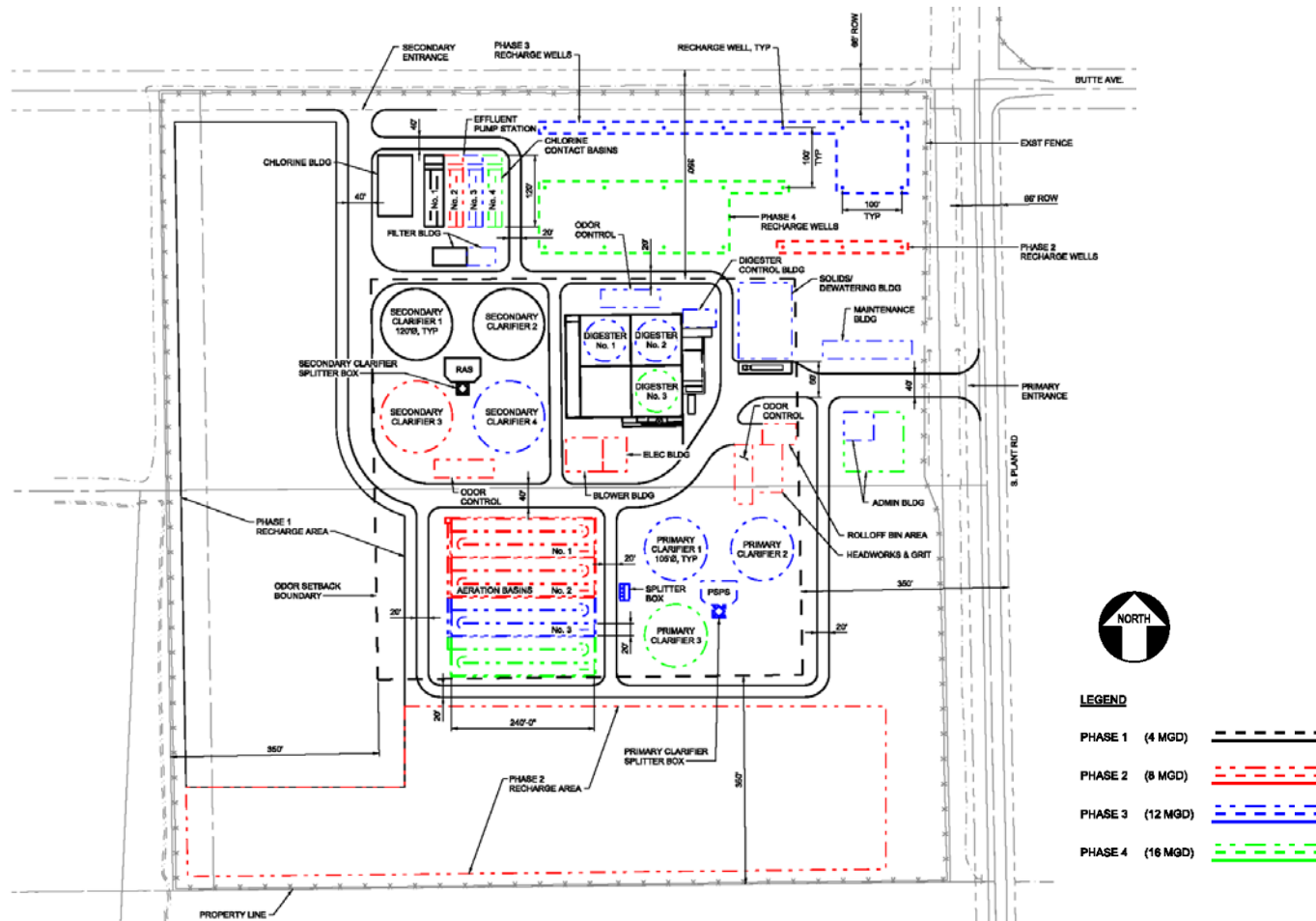
Section 6 Unit Process Design

6.1 Overview

The existing facility has been master planned to accommodate structures and process units which are recommended for the first Phase 1 expansion but also until ultimate buildout. These facilities are shown in Figure 6-1 and is included as Attachment A.



Figure 6-1 Facilities Master Plan





6.2 Influent Sewer Capacity

6.2.1 Existing Facilities

The existing influent sewer line is a 30” reinforced concrete pipe (RCP) which flows by gravity west along Butte Avenue and south along Plant Road before entering the facility property from the east. Based on the designed pipe slope of 0.15%, at 0.8 d/D, the capacity is approximately 10 MGD. During the Phase 1 expansion, this line can meet the required peak hour flow rate.

6.2.2 Planned Expansion

During Phase 2, a new influent pump station will be constructed (see Section 6.4). At this time, it is anticipated that a second sanitary sewer line will enter the facility by combining with the 30” line within a manhole and approaching via Plant Road from the south. This line will be a minimum of 42” in diameter. The two influent sewer lines will then be combined into a 48” gravity sewer which will deliver flow to the new influent pump station for treatment. This line has been sized to accommodate the ultimate buildout peak hour flow rate of 32 MGD as demonstrated in Table 6-1.

Table 6-1 Influent Sewer Capacity

Parameter, Unit	Existing Influent Sewer (from N)	Future Influent Sewer (from S)	Future Combined Influent Sewer
Pipe Diameter, in	30	42	48
Capacity, MGD (at 80% Full)	10	24.5	35
Velocity ¹ , fps (at 80% Full)	3.7	4.6	5.0

¹Note: Maximum Design Velocity is 9 fps and the minimum design velocity is 2.5-2.9 fps.

6.2.3 Short Term Improvements

The short term improvements associated with this facility include the following items:

- 1) Investigate the benefit of adding backflow prevention at low-lying locations.

6.3 Preliminary Screening

6.3.1 Existing Facilities

Sewer influent flows enter the facility by first passing through a climber-style mechanical bar screen to capture larger particulates and solids. The preliminary screening structure also has a bypass channel



that is equipped with a manual bar rack. Details of this existing coarse course screening equipment is summarized in Table 6-2.

Table 6-2 Existing Coarse Screening

Parameter, Unit	Existing
Manual Bar Racks	
Make and Model Number	N/A
Number of Bar Racks	1
Capacity	N/A
Bar Spacing, in	1
Mechanical Fine Screen	
Date Installed	1985
Make and Model Number	Fairfield, CLAW
Number	1
Capacity (each), MGD	24
Opening, in	0.5

The mechanical screen has been in service for more than 30 years. There have been recent failures (motor, drive sprockets, etc) that suggest this equipment may be nearing the end of its service life. Additionally, the cycle time of this screen (2 minutes, field measured) causes issues during high flow or high debris events as the screen blinds quicker than the rake arm can clear the obstruction. This results in overflow/bypass within the structure but ultimately pushes unscreened wastewater downstream to the influent pump station.

6.3.2 Short Term Improvements

The short term improvements associated with this facility include the following items:

- 1) Install a newer screen technology that has a quicker response time. This is critical given the depth and travel time of the existing unit. The newer unit will have narrower openings – 3 mm instead of 0.5 inch (6 mm).
- 2) Cover structure and provide odor control scrubber
 - a) As detailed later, this pump station is required to have odor control as it does not comply with the minimum setback requirements to the adjacent private property.
- 3) Upgrade the control panel
- 4) Upgrade the level controller and provide a redundant instrument



- 5) Replace the existing stop logs/diverter plates with isolation gates
- 6) Upgrade the safety equipment including fans and air monitoring in compliance with NFPA 820
- 7) Upgrade the safety railing

6.4 Influent Pump Station

6.4.1 Existing Facilities

From the preliminary screening structure, influent is directed to the influent pump station (IPS) wetwell (via concrete channels within the existing structure). The IPS contains four submersible pumps described in Table 6-3.

Table 6-3 Existing Influent Pumps

Parameter, Unit	Existing
Number of Pumps	4
Pump Type	Submersible Sewage Pumps
Capacity (each), gpm	1,500
Total Dynamic Head, ft	85
Make and Model Number	Barnes 6XSE-HA
Impeller Diameter, in	10
Motor, HP	40
Motor Type	Constant Speed

The existing pumps have sufficient capacity to support the projected increased flow rates associated with the Phase 1 plant expansion to 4.0 MGD.

6.4.2 Planned Expansion

The Phase 2 expansion will require the demolition of the existing influent pump station structure and the construction of a new pump station in order to accommodate the number and size of pumps required for Phase 2 and future expansion phases. This new pump station will be built in conjunction with a new headworks facility as both structures will be located in the future Headworks and Grit Removal Facility. Pump phasing for future expansion beyond Phase 1 is described in Table 6-4. It is recommended that the pumps be equipped with VFDs to provide adequate turndown.



Table 6-4 Influent Submersible Pump Phasing

Parameter, Unit	Phase 1	Phase 2	Phase 3	Phase 4
Peak Hour Flow, MGD	10.8	19.3	27.0	34.4
Number of Pumps (Duty + Standby)	4	2+1	3+1	3+1
Capacity (each), MGD	Existing	-	-	-
Pump 1		9.7	9.7	11.5
Pump 2		9.7	9.7	11.5
Pump 3		9.7	9.7	11.5
Pump 4		-	9.7	11.5
Firm Capacity	-	19.4	29.1	34.5

6.4.3 Short Term Improvements

The short term improvements associated with the existing influent pump station facility, for Phase 1, include the following items:

- 1) Upgrade the influent pump control panel
- 2) Upgrade the level controller and provide a redundant instrument

6.5 Fine Screen and Grit Facility

Flow is pumped from the IPS through the fine screen and grit facility, which consists of mechanical auger screening and grit removal. The use of the existing fine screen and grit facility in future phases is limited by the capacity of the existing equipment and piping.

For continued use of the existing structure and equipment in Phase 1, the effluent pipe to the sequencing batch reactors (SBRs) will need to be upsized from a single 16-inch pipe to a 24-inch pipe in order to properly handle Phase 1 peak hour flow rates.

The grit system is currently rated for 7 MGD, and continued use of this system is expected through the Phase 1 expansion. The existing headworks structure and equipment will be abandoned during Phase 2, and a new headworks will be constructed in conjunction with the new influent pump station. The new pump station will include a fine screen, screen bypass channel with a manual bar screen, and a grit removal system.



6.5.1 Fine Screening

6.5.1.1 Existing Facilities

The plant currently has a mechanical auger fine screen (5 MGD capacity) that removes materials that are 7 mm and finer. Washed and compacted screenings are conveyed to a dumpster via a belt conveyor, while the screened flow travels by gravity to the grit removal system. A parallel channel contains a manual bar rack that serves as a bypass channel. The design parameters of the existing screening equipment are summarized in Table 6-5.

Table 6-5 Existing Screening Equipment Summary

Parameter, Unit	Unit
Make and Model Number	WAM USA, Inc. / ZGCP 700
Number	1
Screen Width, ft	3
Rated Capacity, MGD	5
Opening, mm	7
Max. Capacity, MGD ¹	7

¹Note: Based on peak capacity provided by the manufacturer for a 7mm screen.

6.5.1.2 Planned Expansion

If upgrades are implemented at the preliminary screening facility, then this unit can be abandoned under Phase 1. During Phase 2, a new headworks screening facility will be constructed and the existing facility will be abandoned and demolished. Table 6-6 describes the anticipated screening equipment phasing for future plant expansion projects which would be installed in a new screening facility to be constructed based on demand.



Table 6-6 Screening Equipment Future Expansions

Parameter, Unit	Phase 1	Phase 2	Phase 3	Phase 4
Manual Bar Racks				
Number	N/A	1	1	1
Capacity (each), MGD		17.25	17.25	17.25
Bar Opening, in		1	1	1
Mechanical Fine Screen				
Number	N/A	1	2	2
Screen Width, ft		4	4	4
Channel Width, ft				
Capacity (each), MGD		17.25	17.25	17.25
Opening, mm		6	6	6
Headloss Across Screen at 30% Blockage, in		12	12	12

6.5.1.3 Short Term Improvements

The short term improvements associated with this facility include the following items:

- 1) Continue to repair the existing unit if practical and abandon in case upgrades are implemented at the screening facility upstream.

6.5.2 Grit Removal

6.5.2.1 Existing Facilities

Screened wastewater passes through a single vortex grit removal unit. This degritter removes 95% of the > 50 mesh grit which is then sent to a classifier, and the organic solids are returned to the process stream. The capacity of the existing grit removal system is sufficient to treat anticipated Phase 1 flows, and therefore no changes are needed for this unit during the initial expansion. Table 6-7 summarizes the equipment information for the existing grit removal equipment.



Table 6-7 Existing Grit Removal Equipment Summary

Parameter, Unit	Value
Make and Model Number	Smith & Loveless, Inc. Pista Grit/ Model 7.0A
Number	1
Capacity (each), MGD	7

6.5.2.2 Planned Expansion

A larger grit removal system will be required in the new headworks facility during the Phase 2 expansion. This system will be sized to handle flows through the build out of the facility. The design criteria for this new unit is provided in Table 6-8.

Table 6-8 Future Grit Removal Equipment Summary

Parameter, Unit	Value
Make and Model Number	Smith & Loveless, Inc. Pista Grit/ Model 30.0A Or Equal
Number	2
Capacity (each), MGD	30

6.5.2.3 Short Term Improvements

The short term improvements associated with this facility include the following items:

- 1) Pinch valve has seen excessive wear and tear due to the grit slurry being pumped. This is a wear item and should be scheduled for replacement on a routine schedule based on past performance.

6.6 Primary Clarifiers

6.6.1 Existing Facilities

Currently, the screened flow from the grit removal system flows by gravity to the SBRs. In future phases (beginning in Phase 3), primary clarifiers could be added downstream of the headworks building.

6.6.2 Planned Expansion

Based on existing loading rates, primaries may not be necessary for treatment. However, if loadings at the facility increase then primaries are cost effective to reduce the settleable solids and floating matter, therefore reducing the BOD and suspended solids content prior to the activated sludge process. Average percent reduction rates for various parameters are listed in Table 6-9.



Table 6-9 Primary Clarifier Average Performance

Parameter	Estimated % Removal
BOD	40%
TSS	40%
Nitrogen	30%

The primary clarifiers were sized based on the following ADEQ Bulletin No. 11 design criteria:

- Average loading rate of 600-800 gallons per day per square foot (gpd/sqft), and
- Peak hour loading rate of no more than 1,200 gpd/sqft.

Construction phasing of future primary clarifiers is provided in Table 6-10.

Table 6-10 Primary Clarifier Design

Parameter, Unit	Existing	Phase 1	Phase 2	Phase 3	Phase 4
Number (duty + standby)	-	-	-	1+1	2+1
Diameter, ft	-	-	-	105	105
Surface Area (each), sqft	-	-	-	8,660	8,660
AAD Loading, gpd/sqft	-	-	-	700	620
Peak Hour Loading, gpd/sqft	-	-	-	1,455 ¹	1,325 ¹

¹ Note: Exceeds ADEQ limit with one basin out of service. This is acceptable since it can be mitigated with preventative maintenance.

The future primary clarifiers are currently not planned to be covered as sufficient odor setbacks can be provided (1,000 ft). However, an odor control facility has been provided for within the site plan that could accommodate odor control facilities as required. As stated in Section Scum Pump Station 6.10, a scum pump station will be constructed for the primary clarifiers. Pump and wet well sizing will be as indicated in Table 6-20.

6.7 Secondary Treatment

6.7.1 Existing Facilities

As currently operated, the grit effluent channel is a common inlet to all three SBRs utilizing actuated plug valves to direct flows to the reactor being filled. Each SBR is equipped with electric powered, submerged aerators/mixers and floating decanters. Sludge is removed from the bottom of the reactors and pumped to the aerobic sludge digester tank. Decant is discharged to an equalization tank equipped with a pump station that is used to pump the secondary effluent to the filters. During Phase 1, the three



SBRs will be repurposed into a conventional, flow-through bioreactor configuration. The existing digester will continue to be used as designed.

6.7.2 Planned Expansion

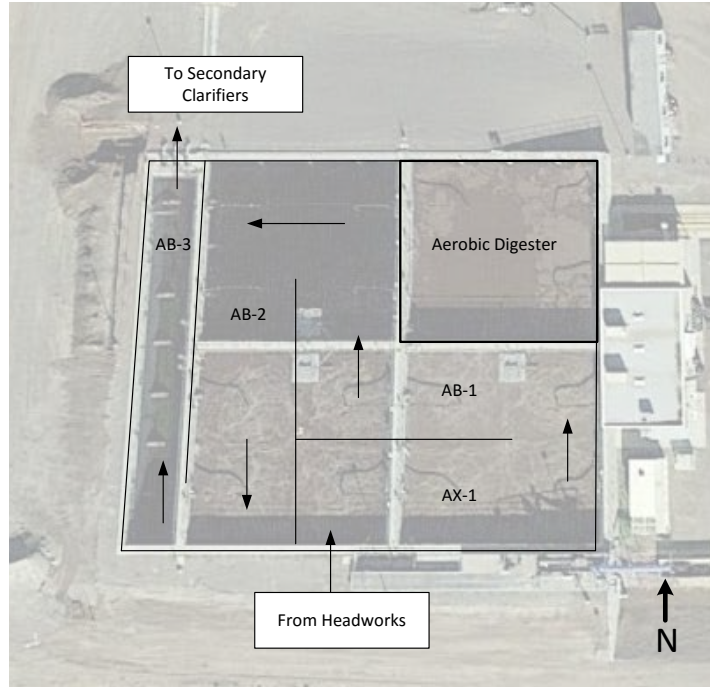
6.7.2.1 Bioreactors

Table 6-11 summarizes the design criteria and phasing plan for conversion of the existing SBRs to bioreactors and construction of future bioreactors. Figure 6-2 illustrates the bioreactor configuration and planned zones. The new bioreactors will use a Modified Ludzack, Ettinger (MLE) activated sludge process to stabilize the screened influent wastewater by converting dissolved and suspended organics into biomass, removing nitrogen containing compounds, and controlling the growth of filamentous organisms. This commonly used biological nutrient removal process targets nitrogen removal by alternating between anoxic and aerobic zones for denitrification and nitrification, respectively, with a recycle stream from the last zone of the process to first anoxic zone.

The proposed design is based on existing loading conditions which will provide better denitrification without the use of primary clarifiers. In case the loading increase in the future the addition of primary clarifiers may be beneficial. The reduction of BOD and TSS that would occur with the addition of primary clarifiers may impact the number and sizing of bioreactors downstream of the process. If primary clarifiers are added, the size and number of bioreactors should be re-evaluated.



Figure 6-2 Planned SBR Conversion and Bioreactor Configuration



In the Phase 1 expansion, the three existing SBRs will be repurposed as bioreactors with both anoxic and aerobic zones. In the Phase 2 expansion, separate bioreactors will be constructed to the south of the existing SBR structure which will then be repurposed as an aerobic sludge digester.



Town of Florence
South Wastewater Treatment Plant Expansion
Preliminary Design Report

Table 6-11 Future Bioreactor Summary

Parameter, Unit	Phase 1	Phase 2	Phase 3	Phase 4
Number of Trains	1 (SBR Basins)	2	3	4
Number of Passes Per Train	N/A	3	3	3
Liquid Depth, ft	20	20	20	20
Train Width, ft	N/A	20	20	20
Total Volume per Phase, MG	3.7	4.3	6.5	8.5
<u>Overall HRT, hrs / SRT, days</u>	22 / 8	13 / 6	13 / 6	13 / 6
Zone 1 (Anoxic)				
Length (per train)	73	168	168	168
Total Volume, MG	0.50	0.53	0.53	0.53
Mixer Type	Submerged Aerated Mixer	Propeller	Propeller	Propeller
Motor HP, each	40	4	4	4
Zone 2 (Aerated)				
Length (per train)	148	168	168	168
Total Volume, MG	0.93	0.53	0.53	0.53
Aeration Diffusion Type	Fine Bubble Diffusers	Fine Bubble Diffusers	Fine Bubble Diffusers	Fine Bubble Diffusers
Number of Diffusers per Train	2,832	1,137	1,137	1,137
SOTR per Train (pph)	418	265	265	265
Zone 3 (Aerated)				
Length (per train)	148	168	168	168
Total Volume, MG	0.93	0.53	0.50	0.50
Aeration Diffusion Type	Fine Bubble Diffusers	Fine Bubble Diffusers	Fine Bubble Diffusers	Fine Bubble Diffusers
Number of Diffusers per Train	2,274	1,139	1,139	1,139
SOTR per Train (pph)	168	156	156	156
Zone 4 (Swing)				
Length (per train)	73	67	67	67
Total Volume, MG	0.46	0.21	0.21	0.21
Aeration Diffusion Type	Fine Bubble Diffusers	Fine Bubble Diffusers	Fine Bubble Diffusers	Fine Bubble Diffusers
Number of Diffusers per Train	601	455	455	455
SOTR per Train (pph)	33	42	42	42
Zone 5 (Aerated)				
	Phase 1	Phase 2	Phase 3	Phase 4
Length (per train)	148	101	101	101
Total Volume, MG	0.93	0.32	0.32	0.32
Aeration Diffusion Type	Fine Bubble Diffusers	Fine Bubble Diffusers	Fine Bubble Diffusers	Fine Bubble Diffusers
Number of Diffusers per Train	2,274	1,137	1,137	1,137
SOTR per Train (pph)	45	88	88	88



Phase 1 aeration requirements were estimated using the influent flow and solids loading design values established previously and a process model of the plant was developed using EnviroSim BioWin 5.0 software. Minimum air flow was based on the mixing requirements of the basin as indicated in the plant process model. Peak air flow requirements were calculated based on the modelled peak air demands required to maintain a dissolved oxygen (DO) concentration of 2.0 mg/L in the aerobic zones under ADMM loading. Note that primary clarifiers were not considered as part of this modeling.

Table 6-12 Phase 1 Air Flow Summary

Aerated Zone	Minimum Air Flow per Train (scfm)	Peak Air Flow per Train (scfm)
2	1,115	1,878
3	895	759
5	236	162
Total, scfm	2,246	2,800

In the future phases, the minimum and peak airflow demands were determined as described in Table 6-13.

Table 6-13 Future Phases Air Flow Summary

Phase	Minimum Air Flow per Train (scfm)	Peak Air Flow per Train (scfm)
1	2,246	2,800
2	3,050	5,990
3	4,570	8,980
4	6,090	11,970

6.7.2.2 Carbon Supplementation

As previously noted, the design loading conditions based on Town provided data, show that the facility receives wastewater with BOD to Nitrogen ratio adequate to achieve denitrification without carbon supplementation or primary sedimentation. This should be re-evaluated at every phase. Supplemental carbon addition accelerates the growth of anaerobic bacteria which convert nitrate in the denitrification process and may be needed to optimize the process during future phases. If deemed necessary, a carbon source feed facility could be constructed to include spill containment pallets, metering pumps, and chemical storage drums. The site plan has been developed to accommodate a similar facility.



6.7.2.3 Internal Mixed Liquor Return

One internal mixed liquor return (IMLR) pump will be installed in each basin with a shelf spare provided for redundancy. These pumps recycle mixed liquor as a process consideration of the Modified Ludzack,Ettinger (MLE) process to return nitrates to the beginning of the process where dissolved oxygen (DO) rates are low. Adding nitrates to the first anoxic zone allows for denitrification to occur. Phasing criteria for the IMLR system is detailed in Table 6-14.

Table 6-14 IMLR Pump Design Criteria

Parameter, Unit	Phase 1	Phase 2	Phase 3	Phase 4
Number Pumps (Total)	1	2	3	4
Design Return Rate, % of influent	300%	300%	300%	300%
Pump Horsepower	15	15	15	15

6.8 Process Air Blowers

6.8.1 Existing Facilities

The facility currently uses four process air blowers to supply air to the SBRs and one blower for the aerobic digester. The blowers are located within the equipment building to the east of the SBR structure. The capacity of these units are described in Table 6-15.

Table 6-15 Existing Process Air Blowers

Parameter, Unit	Blower No. 1-4 (SBR)	Blower No. 1 (Aerobic Digester)
Blower Type	Positive Displacement	Positive Displacement
Make/Model Number	Kaeser Omega 83 Plus	Kaeser Omega 63 Plus
Number of Blowers	4	1
Blower Capacity (each), icfm	3,810	1,804
Minimum Blower Output (each), scfm	600	200
Blower Max. Differential Pressure, psi	9.4	8.8
Motor HP, each	200	100
Motor Drive	Constant Speed	Constant Speed



6.8.2 Planned Expansion

The estimated peak airflow, based on ADMM design conditions, and power requirements for each planned phase, assuming 2 mg/L DO in each aerated zone including the swing zone, is shown in Table 6-16.

Table 6-16 Peak Airflow and Power Requirements

Parameter, Unit	Phase 1	Phase 2	Phase 3	Phase 4
Peak Airflow, scfm	2,092	5,990	8,980	11,970
Power Requirements, hp	125	350	600	700

The existing blowers have sufficient capacity to meet the peak air flow required for the Phase 1 expansion, shown in Table 6-16, with the largest unit out of service. Therefore, no changes are required for the existing process air blowers in the Phase 1 expansion.

Beyond Phase 2, these existing blowers will be utilized for the aerobic digester and a new blower facility will be constructed at a closer vicinity to the expanded bioreactors. Additional blowers will be needed for the Phase 2 and future expansions to handle the increased flow and air demand requirements as well as to provide proper redundancy of units. The design criteria for the Phase 2 and future blowers is summarized in Table 6-17.

Table 6-17 Future Blower Phasing

Parameter, Unit	Phase 1	Phase 2	Phase 3	Phase 4
Blower Type	Use existing	Centrifugal		
Number of Blowers (Duty + Standby)		2+1	3+1	4+1
Blower Capacity (each), scfm		3,000	3,000	3,000
Motor HP, each		200	200	200
Motor Drive		Constant or Variable Frequency Drives		
Firm Capacity, icfm		6,000	9,000	12,000

6.8.3 Short Term Improvements

There are no short term improvements needed at this time.



6.9 Secondary Clarifiers

6.9.1 Existing Facilities

Secondary clarifiers are not needed for the existing SBR facility. However, in the future when conventional activated sludge is employed, secondary clarifiers will be added.

6.9.2 Planned Expansion

Mixed liquor suspended solids (MLSS) will flow by gravity from the bioreactors to the secondary clarifiers. Clarifier feed piping and valves will be designed to allow for control and isolation of individual clarifiers as needed. Scum from the clarifiers will be diverted to a central scum pit.

The clarifiers were sized based on the following design criteria:

Table 6-18 Secondary Clarifier Design Criteria

Source	Average Loading Rate, gpd/sqft	Peak Hour Loading Rate , gpd/sqft
ADEQ Bulletin No. 11	600-800	-
Metcalf & Eddy	400-700	1,000-1,600
<i>Design Criteria</i>	400-800	1,000-1,600

Preliminary design values for the secondary clarifiers, when one unit is out of service, are provided in Table 6-19.

Table 6-19 Secondary Clarifier Sizing

Parameter, Unit	Phase 1	Phase 2	Phase 3	Phase 4
Number (duty + standby)	1+1	2+1	3+1	3+1
Diameter, ft	120	120	120	120
Surface Area (each), sqft	11,310	11,310	11,310	11,310
AAD Hydraulic Loading Rate, gpd/sqft	400	600	500	800
Peak Hour Hydraulic Loading Rate, gpd/sqft	1,170	1,100	950	1,300

All secondary clarifiers will be connected via a clarifier inter-connect that will allow flow from any bioreactor to be routed to any clarifier to provide redundancy and flow equalization. If one clarifier is out of service, the corresponding valve on the influent line will be closed to isolate the clarifier. All flows would then be diverted to the in-service clarifiers via the inter-connect.



6.10 Scum Pump Station

Scum will be removed from the primary (if constructed) and secondary clarifiers using a skimmer mechanism. The collected sludge will drain by gravity to respective primary and secondary scum wetwells where it will be pumped to the digester. Two submersible scum pumps will be installed within each wetwell. Phase 1 pumps will be sized to handle flows through the Phase 2 expansion. The pumps will have an integral recirculation valve and nozzle for wetwell mixing. Scum pump phasing, for each wet well, is summarized in Table 6-20.

Table 6-20 Scum Pump Summary

Parameter, Unit	Phase 1	Phase 2	Phase 3	Phase 4
Wetwell Diameter, ft	5			
Pump Type	Submersible, Solids-Handling			
Number of Pumps	1 Duty + 1 Standby			
Pump Capacity (each), gpm	20	20	40	40
Pump TDH, ft	10	10	10	10
Motor HP	5	5	5	5
Motor Type	Constant Speed			

6.11 Return Activated Sludge Pumping

A new return activated sludge (RAS) pump station will be constructed next to the future secondary clarifiers. The RAS pump station will serve the Phase 1 clarifiers and subsequent pumps will be added in future phases for additional clarifiers. The new RAS pumps will be designed to pump 50% of the ADMM flow as described in Table 6-21.

Table 6-21 RAS Pump Station Summary

Parameter, Unit	Phase 1	Phase 2	Phase 3	Phase 4
Firm Capacity (% of ADMM)	50%	50%	50%	50%
ADMM RAS Flow Rate, MGD	2.4	4.8	7.2	9.6
Pump Type	Dry-Pit Submersible			
No. of Pumps (Duty + Standby)	1+1	2+1	3+1	4+1
Pump Capacity (each), gpm	2.4	2.4	2.4	2.4
Pump TDH, ft	10	10	10	10
Motor HP	20	20	20	20
Motor Type	VFD	VFD	VFD	VFD
Firm Capacity, MGD	2.4	4.8	7.2	9.6



6.12 Waste Activated Sludge (WAS) Pumping

Waste activated sludge will be drawn off of the RAS pump discharge line with a dedicated WAS flowmeter. In Phase 1, WAS will be pumped to the existing digester located within the SBR structure (northeast corner) for digestion and thickening. In Phase 2 the entire SBR volume (all four reactors) will be repurposed as an aerobic digester and will be the destination of the pumped WAS for digestion and thickening until Phase 3. During Phase 3, WAS will be piped to newly installed anaerobic digesters.

Table 6-22 WAS Pumping Summary

Parameter, Unit	Phase 1	Phase 2	Phase 3	Phase 4
WAS Flow Rate, MGD	0.18	0.26	0.39	0.52
Pump Type	Dry Pit, Submersible			
No. of Pumps (Duty + Standby)	1 + 1	1 + 1	1 + 1	1 + 1
Pump Capacity (each), MGD	0.3	0.3	0.55	0.55
Pump TDH	40	40	40	40
Motor HP	10	10	10	10
Motor Type	VFD	VFD	VFD	VFD

6.13 Filtration

6.13.1 Existing Facilities

The facility was not initially designed to include a tertiary filtration system. However, a disk filtration system was installed and commissioned in January 2016 and designed to handle the current permitted design flow. During Phase 1, the existing disk filters will be relocated to a new, larger filtration facility on site with room for expansion in future phases. The disk units include a backwash system and chemical cleaning and descaling system. The number and sizes of disk filter units to be added in the future are listed in Table 6-24. These values were established based on the estimated peak hour flow and AAD loading conditions. The filter units were selected based on compliance with California Department of Public Health Title 22 requirements, ADEQ Class A+ water quality, and the following design criteria from Metcalf & Eddy:

- Average filter hydraulic loading rate of 3 gpm/sqft,
- Peak hour hydraulic loading rate of 6 gpm/sqft,
- Average Solids Loading Rate of 2.5 lbs/sqft/day.



Table 6-23 Existing Filters

Parameter (Unit)	Current Capacity	
	Avg	Peak
Flow (MGD)	2.5	5.0
Daily Average Max TSS (mg/L)	15	
Instantaneous Max TSS (mg/L)	20	
Actual Hydraulic Loading (gpm/sqft)	2.7	5.4
Actual Solids Loading, Average/Peak (lb/sqft/d)	0.5/1.3	
Number of Disks per Filter Unit ¹	16	
No. of Units (duty + standby)	1+1	

6.13.2 Planned Expansion

For future phases, the same design criteria for the existing filter units will be used. In each phase, a standby filtration unit will also be installed to provide a fully redundant unit. Planned phasing is described in Table 6-24.

Table 6-24 Existing and Build-Out Filtration Summary

Parameter, Unit	Phase 1		Phase 2		Phase 3		Build Out	
	Avg	Peak	Avg	Peak	Avg	Peak	Avg	Peak
Flow (MGD)	4	10.8	8	19.3	12	27.0	16	34.4
Daily Average Max TSS (mg/L)	15		15		15		15	
Instantaneous Max TSS (mg/L)	20		20		20		20	
Hydraulic Loading Conditions								
Design Parameters (gpm/sqft)	3	6	3	6	3	6	3	6
Actual Hydraulic Loading (gpm/sqft)	2.2	5.9	2.9	5.2	2.6	5.9	2.9	5.3
Solids Loading Conditions								
Design Parameter (lb/sqft/d)	2.5		2.5		2.5		2.5	
Actual Solids Loading, Average/Peak (lb/sqft/d)	0.4	1.4	0.5	1.3	0.5	1.4	0.5	1.3
Disc Selection								
Number of Disks per Filter Unit ¹	16		16		16		16	
No. of Units (duty + standby)	2+1		4+1		5+1		7+1	
¹ Note: Number of disks are based on Kruger/Evoqua filter units. The number of disks may differ with other manufacturers.								



6.13.3 Short Term Improvements

There are no short term improvements needed at this time.

6.14 Disinfection

6.14.1 Existing Facilities

Secondary or tertiary effluent can be disinfected by a UV disinfection system located north of the SBRs. The existing system is limited by the capacity of the UV channel which is rated for a peak flow of 5 MGD. Treated water is then either fed to the reuse system to be used for agricultural irrigation or dechlorinated with sodium bisulfite and discharged at the Gila River outfall located about 3,500 feet to the north of the plant (see Figure 2-1).

6.14.2 Planned Expansion

During the Phase 1 expansion project, there are two options for addressing the disinfection facilities. The first option is to expand the existing UV system which cannot meet the required increased flow rate. The second option would be to demolish the existing UV system.

6.14.2.1 UV System

The existing UV system is hydraulically limited by the existing channel which has a capacity of 5 MGD. This system would need to be expanded to meet the peak hour flows for each of the future phases.

6.14.2.2 Chlorine Contact Basin

Disinfection system design criteria for a chlorine contact basin is based on ADEQ Bulletin No. 11 and is summarized in Table 6-25. Section 7.1 describes the chemical criteria for the facility to switch to disinfection through the use of sodium hypochlorite.



Table 6-25 Disinfection Summary

Parameter, Unit	Phase 1	Phase 2	Phase 3	Phase 4
Number of Trains	1	2	3	4
Peak Hour Flow, MGD	10.80	19.28	27.00	34.40
Side Water Depth, ft	14			
Channel Width, ft	4			
Total Channel Length per Train, ft	360 (120 ft each)			
Number of Passes	3 (Serpentine)			
Volume per Train, ft ³	20,160			
Required Minimum Retention Time (PHF), min	15			
Avg Theoretical Retention Time (PHF), min	16			
Channel Length: Width, ft/ft	30			
Channel Length: Depth, ft/ft	8.6			

6.14.2.3 Chlorine versus UV Disinfection

The use of chlorine versus UV for disinfection would be determined based on Town staff preference. As guidance for making this decision, advantages and disadvantages of each technology as described in Metcalf & Eddy is shown below.



Table 6-26 Comparison of Disinfection Technologies

Chlorine		UV	
Advantages	Disadvantages	Advantages	Disadvantages
<ul style="list-style-type: none"> • Well-established technology • Effective disinfectant • Chlorine residual can be monitored and maintained • Combined chlorine residual can also be provided by adding ammonia • Germicidal chlorine residual can be maintained in long transmission lines • Availability of chemical system for auxiliary uses such as odor control, dosing RAS lines, and disinfection plant water systems • Oxidizes sulfides • Relatively inexpensive (cost is increasing with implementation of Uniform Fire Code regulations) • Availability as calcium and sodium hypochlorite considered to be safer than chlorine gas 	<ul style="list-style-type: none"> • Hazardous chemical that can be a threat to plant workers and the public; thus strict safety measure must be employed • Relatively long contact time required as compared to other disinfectants • Combined chlorine is less effective in inactivating some viruses, spores, cysts at low dosages used for coliform organisms • Residual toxicity of treated effluent must be reduced through dechlorinating • Formation of trihalomethanes and other DBPs • Release of volatile organic compounds from chlorine contact basins • Oxidizes iron, magnesium, and other inorganic compounds (consumes disinfectant) • Oxidizes a variety of organic compounds (consumes disinfectant) • TDS level of treated effluent is increased • Chloride content of the wastewater is increased • Acid generation; pH of the wastewater can be reduced if alkalinity is insufficient • Increased safety regulations, especially in light of the Uniform Fire Code • Chemical scrubbing facilities may be required to meet Uniform Fire Code. 	<ul style="list-style-type: none"> • Effective disinfectant • No residual toxicity • More effective than chlorine in inactivating most viruses, spores, cysts • No formation of DBPs at dosages used for disinfection • Does not increase TDS level of treated effluent • Effective in the destruction of resistant organic constituents such as NDMA • Improved safety compared to the use of chemical disinfectants • Requires less space than chlorine disinfection • At higher UV dosages than required for disinfection, UV radiation can be used to reduce the concentration of trace organic constituents of concern such as NDMA 	<ul style="list-style-type: none"> • No immediate measure of whether disinfection was successful • No residual effect • Less effective in inactivating some viruses, spores, cysts at low dosages used for coliform organisms • Energy-intensive • Hydraulic design of UV system is critical • Relatively expensive (price is coming down as new and improved technology is brought to the market) • Large number of UV lamps required where low-pressure low-intensity systems are used • Low-pressure low-intensity lamps require acid washing to remove scale control, dosing RAS lines, and disinfection of plant water systems
<ul style="list-style-type: none"> • Source: Metcalf & Eddy, Table 12-28 			



6.14.3 Short Term Improvements

The short term improvements associated with this facility include the following items:

- 1) Evaluate the existing UV system and confirm its capacity and whether a new system is needed.

Section 7 Chemical Storage & Feed Systems

7.1 Sodium Hypochlorite

7.1.1 Existing Facilities

Chemical facilities onsite include chemical handling and storage areas for sodium hypochlorite and sodium bisulfite. The existing sodium hypochlorite storage and feed system will be expanded if disinfection through the use of a chlorine contact basin is to provide primary disinfection and to meet future disinfection requirements, and other onsite demands, including feed to the RAS line to reduce biological fouling and to the odor control chemical scrubber.

7.1.2 Planned Expansion

A summary of the requirements for the sodium hypochlorite storage and feed system for future phases is provided in Table 9-1.

Table 7-1 Sodium Hypochlorite Design Summary

Parameter, Unit	Phase 1	Phase 2	Phase 3	Phase 4
Design Chlorine Dose, mg/L as Cl	10	10	10	10
AAD 8.4% NaOCl Use, ppd	150	300	450	600
Peak Hour 8.4% NaOCl Use, ppd	1,070	1,910	2,670	3,410
Storage Tanks				
Number of Tanks	1	2	2	3
Volume (each), gal	2,000	2,000+4,000	4,000	4,000
Days of Storage at AAD Use	11	16	14	16
Feed Pumps				
Number of Pumps (duty+ standby)	1 + 1	2 + 1	3 + 1	3 + 1
Capacity (each), gph	20	20	20	20
Discharge Pressure, psi	30	30	30	30

7.1.3 Short Term Improvements

There are no short term improvements needed at this time.



7.2 Sodium Bisulfite

7.2.1 Existing Facility

Sodium bisulfite will be used for dechlorination when discharging to the Gila River. The facility currently utilizes chemical totes for sodium bisulfite storage.

7.2.2 Planned Expansion

In Phase 1, the storage totes will be replaced with a sodium bisulfite storage area complete with storage tanks. Due to the high freezing point for sodium bisulfite, the tank must be properly insulated and include a heat source to prevent crystallization of the chemical. This system has been sized based on the assumptions that chlorination is the primary disinfection method and one hundred percent of the facility effluent is discharged to the Gila River. However, it is anticipated that the majority of flow will be sent to recharge basins and will therefore not require dechlorination. A summary of the sodium bisulfite (NaHSO₃) system is provided in Table 7-2.

Table 7-2 Sodium Bisulfite Design Summary

Parameter, Unit	Phase 1	Phase 2	Phase 3	Phase 4
Design Dose, mg/L	2.92 mg/L	2.92 mg/L	2.92 mg/L	2.92 mg/L
AAD Use, ppd	244	487	731	974
Peak Hour Use, ppd	658	1,170	1,680	2,045
Storage Tanks				
Number of Tanks	1	1	2	2
Volume (each), gal	500	500	500	500
Days at AAD Use	22	11	15	11
Feed Pumps				
Number of Pumps (duty + Standby)	1 + 1	1 + 1	2 + 1	2 + 1
Capacity (each), gph	8	8	8	8
Discharge Pressure, psi	30	30	30	30

The existing chemical feed and storage area will be utilized for Phases 1 and 2. However, at Phase 3 a new building will be constructed which will house the chemical storage and feed systems for both sodium hypochlorite and sodium bisulfite and additional space for an electrical room. This building will be located to the south of the chlorine contact basins as shown in



Figure 6-1.

7.2.3 Short Term Improvements

This system should be automated by adding the following devices and SCADA signals:

- 1) Flow signal from the existing effluent flume
- 2) Chlorine analyzer upstream of the effluent flume. The device will be located in the chlorine storage enclosure
- 3) A new pump controlled through SCADA
- 4) Tote blanket heater

Section 8 Effluent Management

8.1 Existing Facilities

The SWWTP currently discharges about 1 MGD of effluent into an irrigation ditch for agricultural use with the remainder discharged into the Gila River. The Town plans to discontinue discharge to the Gila River, and instead, use the treated effluent for groundwater recharge using recharge basins.

The existing reclaimed pump station contains two pumps. These pumps are designed to deliver water for irrigation to the nearby farm via a 10" force main and the wetwell was sized to include up to four of the same pumps which could be utilized in the future to deliver effluent for recharge.

Table 8-1 Existing Reclaim Water Pumps

Parameter, Unit	Existing
Number of Pumps (Duty + Standby)	1 + 1
Pump Type	Vertical Turbine
Capacity (each), gpm	1,725
Total Dynamic Head, ft	75
Make and Model Number	Simflo SG16S-3
Impeller Diameter, in	13.188
Motor, HP	50
Motor Type	VFD



8.2 Recharge Basins

Recharge basins will be constructed onsite and will deliver treated effluent into the vadose zone of the groundwater. The anticipated flow that can be recharged is dependent on the infiltration rate, which is site specific. The amount of effluent that can be recharged in each phase, shown in Table 8-2, assumes that the soil conditions in this area allow for an infiltration rate of 1.5 feet per day. The infiltration rate should be monitored and confirmed. It was determined that the limiting factor in the amount of effluent that can be recharged is the constraint of limited available land onsite.

Table 8-2 Recharge Basin Design Criteria

Parameter, Unit	Phase 1	Phase 2	Phase 3	Phase 4
AAD Recharge Flow Rate, MGD	4	8	12	16
Infiltration Rate, ft/day	1.5			
Recharge Area Required, acres	8	16	25	33
Estimated Available Land for Recharge, % of Total Site	34%			
Estimated Available Land for Recharge, acres	14.4			
Max. Infiltration, MGD	7.0			
Excess Treated Effluent, MGD	0	1	5	9

8.3 Recharge Wells

Excess treated effluent that cannot be recharged via recharge basins, due to site constraints, will be recharged using wells. The design criteria for these basins are detailed in Table 8-3

Table 8-3 Recharge Wells Design Criteria

Parameter, Unit	Phase 1	Phase 2	Phase 3	Phase 4
Estimated Flow to Recharge Wells, MGD	0	1	5	9
Max. Flow per Well, gpm	300			
Number of Wells Required, Total	0	3	12	21

8.4 Reclaimed Water Pump Station

As previously stated, the current reclaimed water pump station can pump 6.25 MGD to the farmer for irrigation purposes. The wetwell was designed for the addition of two additional pumps to meet a peak flow condition of 10 MGD with one pump out of service. During Phase 2, the same pumps can operate at a lower head to send more flow when flow is diverted to recharge basins. A backpressure valve may be required to ensure the pump operates without cavitation. With the addition of two more pumps,



approximately 1.45 MGD could be sent to the farm while simultaneously pumping to recharge the remaining peak flow of 8.55 MGD (to equal approximately 10 MGD).

To meet Phase 3 and Phase 4 peak hour flow rates, additional capacity will need to be added. Table 8-4 identifies a phasing plan to upsize the existing pumps in order to pump to recharge.

Table 8-4 Future Reclaimed Water Pump Station Phasing

Parameter, Unit	Phase 1	Phase 2	Phase 3	Phase 4
Peak Hour Flow, MGD	10.8	19.2	27.6	33.6
Number of Pumps (Duty + Standby)	4	2+1	3+1	3+1
Total Dynamic Head, ft	-	20	20	20
Capacity (each), MGD	Existing	-	-	-
Pump 1		9.6	9.6	11.2
Pump 2		9.6	9.6	11.2
Pump 3		9.6	9.6	11.2
Pump 4		-	9.6	11.2
Firm Capacity	-	19.2	28.8	33.6

Section 9 Solids Handling

The SWWTP currently utilizes an aerobic digester as part of the SBR structure for sludge digestion. Sludge is pumped to a belt filter press for dewatering and is trucked to a landfill. The sludge handling capabilities of the facility will be expanded to include separate sludge digestion, thickening, and dewatering facilities as described below.

9.1 Sludge Digestion

9.1.1 Existing Facilities

Sludge digestion reduces BOD and destroys volatile solids (VS). The facility currently utilizes a basin with the SBR for aerobic digestion.

9.1.2 Planned Expansion

During Phase 1, aerobic digestion will be used by taking advantage of the existing digester with the SBRs. During future phases (Phases 2 through 4) either aerobic or anaerobic digestion could be utilized, depending if primary clarifiers are constructed. Both options are evaluated in the following sections.



9.1.2.1 Aerobic Digestion

The existing aerobic digester within the SBR structure will be utilized during the Phase 1. In future phases, if only aerobic digestion is utilized, the other basins of the existing SBR will be used as aerobic digesters as described in Table 9-1. The design parameters for aerobic digestion for each of the phases of expansion is also shown.

Table 9-1 Aerobic Digester Summary

Parameter, Unit	Phase 1	Phase 2	Phase 3	Phase 4
Digesters	Existing digester	Existing SBR structure (incl EQ Tank)	Existing SBR structure (incl EQ Tank)	Existing SBR structure (incl EQ Tank)
Water Depth, ft	20	20	20	20
Digester Width, ft	84.00	336.00	336.00	336.00
Digester Volume, cft	114,120	564,480	564,480	564,480
AAD HRT, hours	6	13	9	7
Minimum Air Flow Rate, scfm	895	887	887	887
Peak Airflow Rate, scfm	990	1,412	1,412	1,412

9.1.2.2 Anaerobic Digestion

During Phase 3 (12.0 MGD), high-rate anaerobic digesters (mesophilic) should be constructed onsite if primaries are constructed as anaerobic digesters are better suited for handling primary sludge. Anaerobic digestion has the benefit of reducing the amount of sludge that needs to be disposed of by the facility, thereby lowering hauling costs.

ADEQ Bulletin No. 11 criteria for first stage, single-stage, high-rate anaerobic digestion was used as the basis for design, as summarized in Table 9-2.

Table 9-2 Anaerobic Digester Design Criteria

Parameter, Unit	ADEQ Bulletin No. 11	MOP8	Metcalf & Eddy
Mesophilic Volatile Solids Loading Rate, ppd/ft ³	0.1-0.2	0.12-0.16	-
Diameter, ft	-	-	100-200 (Typical = 14)
Depth, ft	15-30		-
SRT, minimum, days	-	15	-
Temperature, minimum, C	-	35	-
Feed Cake Concentration, %	-	5-7	-



Phasing for the anaerobic digesters, if constructed, is described in Table 9-3. ADEQ Bulletin No. 11 criteria for first stage, single-stage, high-rate anaerobic digestion was used as the basis for design for digesting primary and secondary sludge.

Table 9-3 Anaerobic Digester Summary

Parameter, Unit	Phase 1	Phase 2	Phase 3	Phase 4
Number of Digesters	-	-	2	3
Volatile Suspended Solids, ppd	-	-	25,930	3,570
VSS Design Loading Rate, ppd/cft	-	-	0.14	
Digester Diameter, ft	-	-	70	
Digester Depth, ft	-	-	24	
Total Digester Volume (each), MG	-	-	0.70	
Total Volume Required, MG			1.40	1.85
Solids Residence Time, days			20	20
Design Temperature (min), degC	-	-	35 (95F)	
Design Feed Cake Concentration, %	-	-	5-7%	

The anaerobic digesters should be fully enclosed and equipped with fixed covers to maintain a constant volume. Anaerobic digestion requires the sludge to be heated to a design digestion temperature (e.g., 35 deg C). This is accomplished by circulating the sludge through external heaters. These heaters will primarily burn digester gas, but will also be equipped with a natural gas backup fuel source.

During the master planned efforts, space was planned for the addition of anaerobic digesters. If constructed they would be located at the site of the existing SBRs and digester. At the time of construction, a Digester Control Building will be constructed to the east in order to allow for adequate space for control, operability and gas collection/disposal associated with the anaerobic digesters.

9.1.3 Short Term Improvements

There are no short term improvements needed at this time.

9.2 Sludge Thickening

Currently, sludge is thickened in the aerobic digester prior to sending digested sludge to the belt press. This is accomplished via settle and decant phases within the current aerobic digester.

If the plant transitions to anaerobic digestion, thickening prior to digestion becomes beneficial. During Phase 3 and Phase 4, prior to anaerobic digestion, primary and secondary sludge will be sent to a Sludge Thickening Facility, which will house rotary drum thickeners (RDTs). Sludge thickening prior to



digestion is beneficial because it requires less digester volume. Resulting in more efficient digesters, thicker sludge and thereby will reduce hauling costs to the landfill. Phasing for the sludge thickening units is shown in Table 9-4.

Table 9-4 Rotary Drum Thickener Summary

Parameter, Unit	Phase 1	Phase 2	Phase 3	Phase 4
Number of RDTs (Duty + Standby)	-	-	4 + 1	6 + 1
Capacity Each, gpm	-	-	400	400
WAS Flow Rate, MGD	-	-	0.39	0.52
WAS % Solids	-	-	1	1
Operating Days/Wk	-	-	5	5
Operating Hrs/Day	-	-	6	6
Thickened Sludge % Solids	-	-	6	6

9.3 Sludge Dewatering

9.3.1 Existing Facilities

The SWWTP currently operates a single belt filter press with a capacity of 120 gpm for sludge dewatering. This unit is capable of handling the Phase 1 wasting flow rate if operated as described below in Table 9-5, however, this unit will not have redundancy.

Table 9-5 Existing Belt Filter Press Summary

Parameter, Unit	Existing	Phase 1
Number of Belt Filter Presses	1	1 + 1 (redundant)
Belt Width, each	1.7 m	1.7 m
ADMM WAS Rate	90,000 gpd	90,000 gpd
Hydraulic Capacity	90,350 gpd	90,350 gpd
Solids Loading Capacity	313 pph	313 pph
Operating Days/Week	4	5
Operating Hours/Day for 1 Unit	18	14.5
Hydraulic Loading Rate	37 gpm/m	37 gpm/m
Solids Loading Rate	184 pph/m	184 pph/m

9.3.2 Planned Expansion

The dewatering system was commissioned in 2006 and included a single belt press unit with no redundancy. It is recommended that either this system be replaced or a redundant belt filter press is



added. Possible alternative technologies to a belt filter presses for dewatering could include a centrifuge and screw press, among others.

The existing dewatering area will remain for Phase 1. However, during Phase 2 a larger Solids and Dewatering Building will be constructed to the east of the existing facility in order to incorporate additional space for the added equipment and to accommodate larger truck turning and loading.

9.3.3 Short Term Improvements

- 1- Replace or add a second dewatering belt press unit.

Section 10 Site Planning

10.1 Odor Control

10.1.1 Setback Easements

A.A.C. R18-9-B201 establishes BADCTs requirements for noise and odor control at WWTPs. The BADCT requires a minimum 350 foot setback if full noise, odor, and aesthetic controls are provided for a facility that is 1 MGD or larger. If full noise, odor, and aesthetic controls are not provided, then a minimum 1,000 foot setback is required. In following BADCT requirements, there are four options for establishing odor and noise control setbacks for this facility during expansion, these include:

- Scenario 1: Odor and noise control technologies are not implemented. A 1,000 foot setback is established based on the property boundary line. This scenario would allow process units to be installed anywhere on the site without resulting in a need to reestablish setbacks.
- Scenario 2: Odor and noise control technologies are not implemented. A 1,000 foot setback is established based on the proposed layout of the facility during build-out capacity. In this scenario, setbacks would be set based on the current projected layout. Changes in the layout between Phase 1 and Phase 4 could result in the reevaluation of setbacks boundaries. This however is unlikely since the process used for planning has a conservative land use requirement.
- Scenario 3: Implement full noise and odor control at the headworks. A 350 foot setback is established based on the proposed layout of the facility during build-out capacity, incorporating

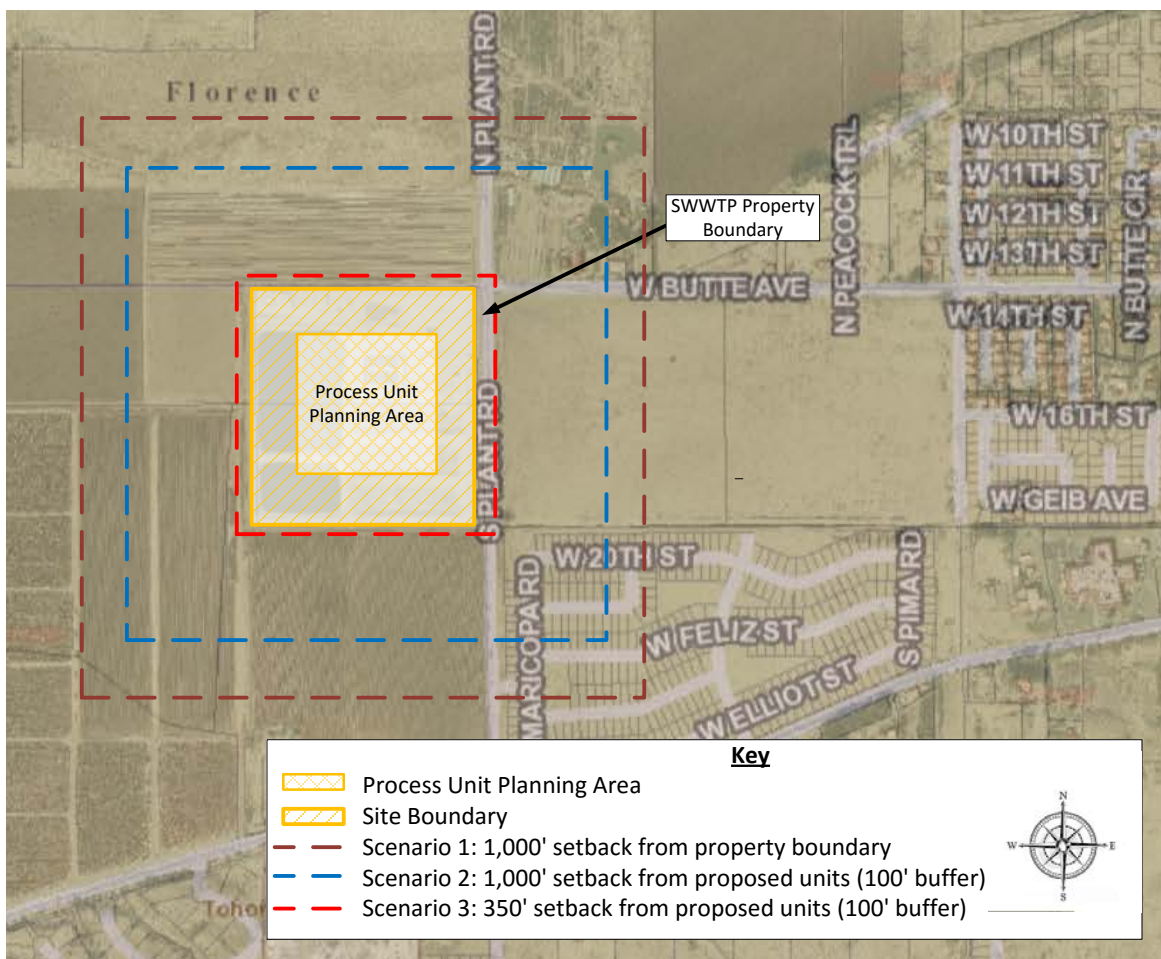


a 100 ft buffer around these approximate locations to allow for shifting of this proposed spatial layout.

- Scenario 4: This option is a hybrid of the previously listed options and would include covering the main odor-producing processes (including the headworks, primaries and digesters) and leaving the future aeration basins and clarifiers uncovered. This will reduce the odor nuisance and minimize the operations and maintenance costs associated with the odor control systems. The setbacks around the covered processes will required 350 ft, while 1,000 ft will be needed off of the secondary treatment basins.

The resulting setbacks based on the first three scenarios are demonstrated in Figure 10-1.

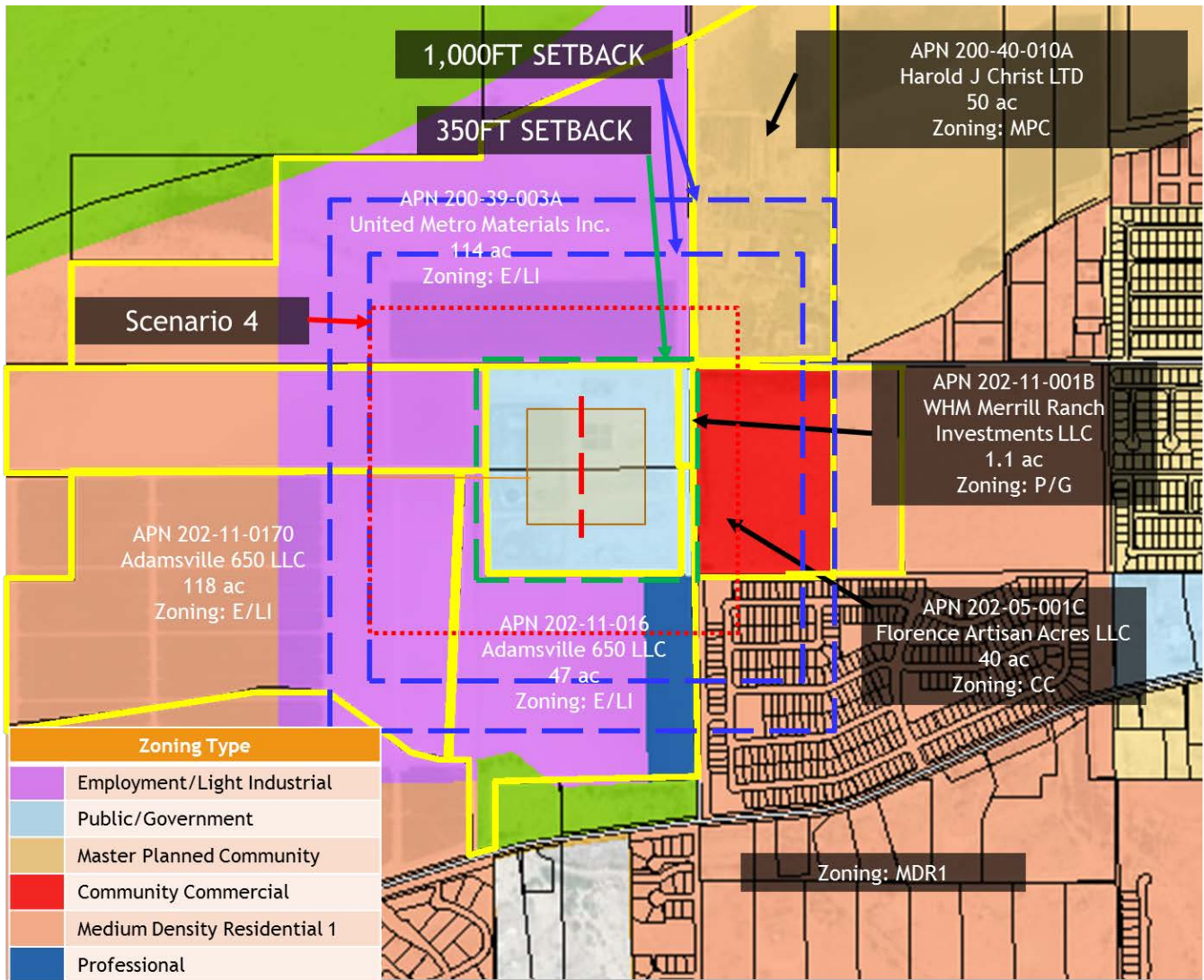
Figure 10-1 Odor Control Setback Scenarios





Scenario 4, the hybrid option, is depicted in the figure below. This alternative would assume the coverage of the processes to the east of the red line that crosses the process unit planning area, including the headworks, primary clarifiers and digesters. Process units to the west of the red line would be assumed to not be covered (aeration basins, secondary clarifiers). The proposed setbacks then are shown in the figure.

Figure 10-2 Odor Control Setback Scenarios Including Option 4





Town of Florence
South Wastewater Treatment Plant Expansion
Preliminary Design Report

In Scenario 3, full noise and odor control would be provided on site in order to reduce the setback distance from 1,000 feet to 350 feet. The estimated cost of full noise and odor control is shown in Table 10-1 and is based on an estimate of \$1.20 per gallon of capacity added for Phases 2 through 4. These costs include all work required including, but not limited to, installation of covers to all basins headworks through secondary clarifiers, extending and adding power supplies as necessary, installation and extension of foul air ducts and miscellaneous required piping, installation of odor control scrubbers, and chemical costs.

Table 10-1 Full Odor and Noise Control Cost Estimate

Phase	Estimated Cost	Structures to be Covered
1	\$4,800,000	Influent Pump Station, Existing SBR Basins, Secondary Clarifiers
2	\$4,800,000	Influent Pump Station, Headworks/Grit Facility, Bioreactors, Secondary Clarifier
3	\$4,800,000	Primary Clarifiers and/or Bioreactors, Secondary Clarifier, Solids Handling Building, Digesters
4	\$4,800,000	Primary Clarifier and/or Bioreactors
TOTAL	\$19,200,000	-

In all three scenarios, noise and odor easements would need to be obtained from surrounding land owners. It is estimated that the cost to obtain such easements is about 50% to 100% of the current land value. Based on this assumption, the overall cost of obtaining easements was estimated and is summarized in Table 10-2.

Table 10-2 Cost to Obtain Noise and Odor Easements

Scenario	Land Required for Easements, acres	Estimated Cost
1	220	\$ 539,000 to \$ 1,080,000
2	140	\$ 343,000 to \$ 646,000
3	20	\$ 49,000 to \$100,000
4	70	\$ 171,000 to \$342,000



10.1.2 Process Unit Sizing

Following BADCT standards for full odor control and to minimize hydrogen sulfide (H₂S) corrosion and public nuisance conditions, an odor control system will be installed in Phase 1. This system would be sized to handle foul air from the influent pump station, headworks, bioreactors, digesters, and secondary clarifiers. In future phases, separate odor control units will be installed in order to address foul air from the additional process units, including bioreactors and primary clarifiers, as well as the proposed sludge handling facilities. The phasing of these units is described in Table 10-3.

Table 10-3 Odor Control Summary

Parameter, Unit	Phase 1	Phase 2	Phase 3	Phase 4
Number of duty units	1 (existing)	2	3	3
Total Flow Rate, scfm	22,200	31,500	53,700	78,500
Minimum H ₂ S Concentration, ppm	5	5	5	5
Average H ₂ S Concentration, ppm	40	40	40	40
Maximum H ₂ S Concentration, ppm	76	76	76	76

10.1.3 Recommendations

Based on the analysis presented above, it is recommended that the Town consider Scenario 4 of purchasing land for noise and odor easements up to 1,000 feet from the proposed uncovered facilities. Based on the land prices used in the evaluation, there would be significant cost savings in purchasing the easements as opposed to implementing full noise and odor easements for the current facilities as well as the future phases. Based on the capital cost associated with odor control systems, and associated operations and maintenance costs, purchasing easements is significantly less expensive.

10.2 Administrative Building

The SWWTP has a newly constructed laboratory building located at the northeast corner of the site, near the entrance gate. In future phases, this building will be expanded to include space for administrative offices as described in Table 10-4. These estimates do not include a vehicle maintenance area, therefore, additional square footage would need to be added in order to incorporate this type of area.



Table 10-4 Administration Building Sizing

Parameter, Units	Phase 1	Phase 2	Phase 3	Phase 4
Estimated Staff Required (# people) ¹	8	12	18	23
Laboratory Size, sqft	400	800	1,200	1,600
Required Total Building Size, sqft	2,575	5,150	7,725	10,300

Notes:

¹ Estimated staff is based on USEPA Publication MO-1 dated March, 1973 entitled "Estimating Staffing for Municipal Wastewater Treatment Facilities"

10.3 Site Access

Current access to the site is provided on the eastern side of the property. This access point is to remain the primary entrance for all emergency, delivery and operations vehicles. Main site access and a secondary site access route will be provided for the fire department. The secondary access will be from the north side of the property. Traffic through the SWWTP will typically include chemical delivery trucks, garbage trucks, sludge hauling trucks, and occasionally heavy equipment for maintenance. The site access road width and radii will be designed to accommodate vehicular access and turning. Additionally, the constructed access roads will be looped to provide forward area ingress and egress. Table 10-5 outlines the access road design criteria.

Table 10-5 Access Road Design Criteria

Parameter	Design Criteria
Design Vehicle (Fire Truck)	WB-50
Road Width, ft	14 (minimum)
Inside Turning Radius, ft	28 (minimum)
Outside Turning Radius, ft	48 (minimum)
Pavement	Asphalt Concrete
Pavement Thickness, in	4
Aggregate Base Thickness, in	6



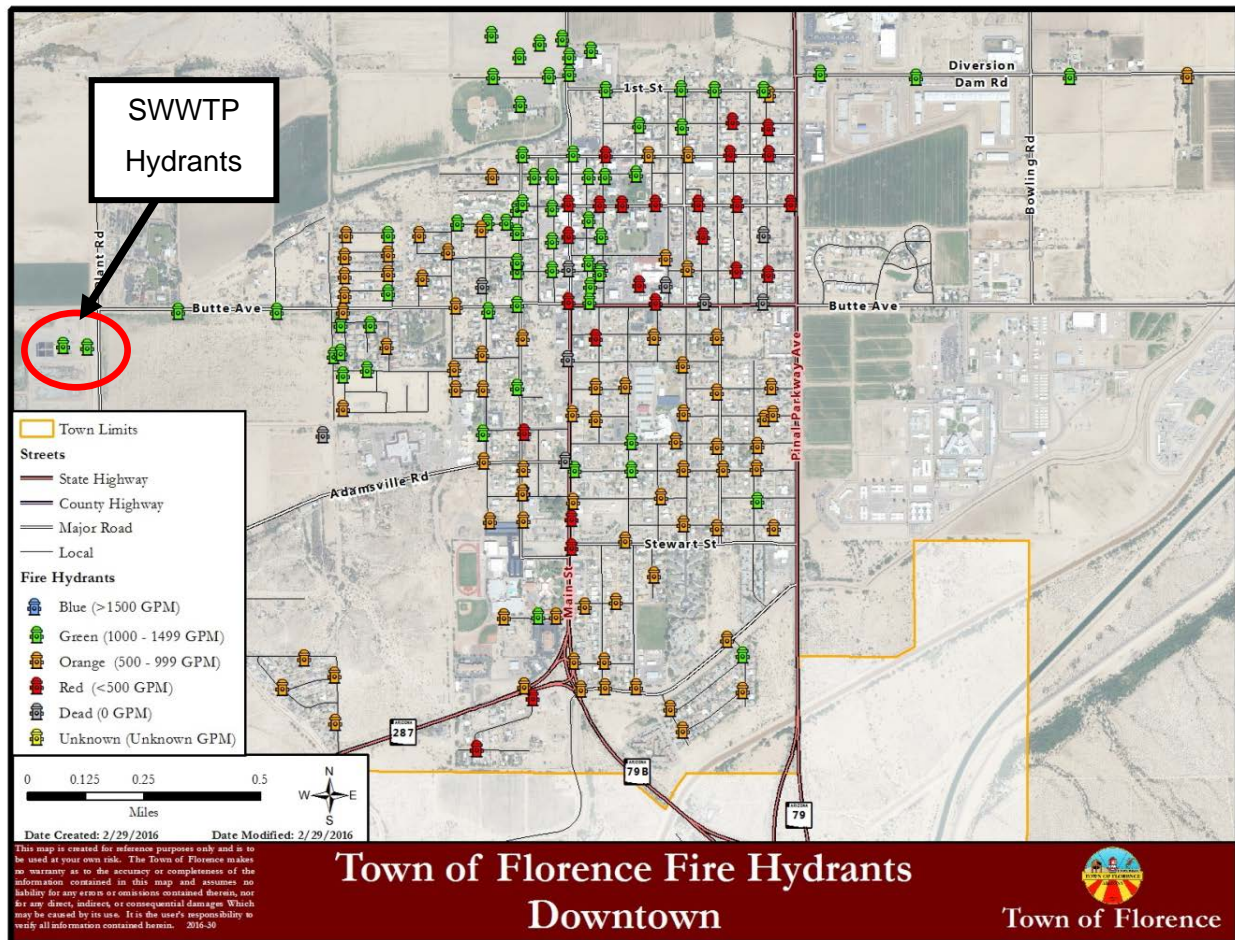
10.4 Utilities

10.4.1 Potable Water

10.4.1.1 Existing System

Potable water onsite is required for firefighting activity onsite. Based on a recent study of fire hydrants completed by the Town, it was identified that there are two hydrants located within the property of the SWWTP. As indicated in Figure 10-3, these hydrants can receive a fire flow of only 1,000-1,499 gpm. The Town study also indicated that these hydrants onsite were noted as requiring maintenance.

Figure 10-3 Hydrant Study Conducted by the Town





10.4.1.2 Recommendations

Based on the results of the Town study, it is recommended that the fire demand be increased to 3,000 gpm for 3 hours. This is the fire flow typically recommended for a light industrial facility. To meet this demand, the distribution system should be evaluated and pipe sizes increased to allow for increased flow in this area.

10.4.2 Natural Gas

Natural gas will be required onsite for the future anaerobic digester sludge heater. As previously noted, anaerobic digesters will only be incorporated if primary clarifiers are constructed. The estimated total heat required to heat the sludge and digesters is detailed in

Table 10-6 Natural Gas

Parameter, Unit	Phase 1	Phase 2	Phase 3	Phase 4
No. Anaerobic Digesters (total)	0	0	2	3
Total Heat Required, MBTU/day	-	-	11	17

10.5 Lighting

Facility area lighting shall be sufficient to provide site security and safety without disturbing neighbors or other activity in the nearby areas. Overall strategies and additional criteria for site lighting are as follows:

- Specific lighting levels indoors and outdoors shall be per the latest published version of the Illuminating Engineering Society (IES) of North America Handbook
- Switch-controlled local task lighting shall be provided in critical operations areas, and where nighttime maintenance or repairs may be necessary
- Lighting for building entrances shall be by wall-mounted lighting fixtures
- Emergency lighting will either be in the form of separate, wall-mounted fixtures, or by the use of emergency battery packs and ballasts in-ceiling or wall-mounted lighting fixtures



10.6 Design Codes and Standards

The SWWTP is located within Pinal County and general process/mechanical design will conform to ADEQ Bulletin 11 and as amended by BADCT.

Additional design criteria for the plant support systems that have been adopted by the Town of Florence are summarized below:

- International Codes: IBC, IRC, IMC, IPC, IFGC, IECC and IPMC Codes
- NEC Code
- ANSI A117.1
- UFC

10.7 Electrical Requirements

Electrical and instrumentation and controls (I&C) improvements will be required throughout the expansion of the SWWTP. These improvements will be summarized within this section.

10.7.1 Power Service and Distribution

Electrical power is supplied to the plant via a single Arizona Public Service Company (APS) overhead radial feeder and 480/277 Volt (V), 3 phase, 4 wire pad mounted transformer. This utility feeder serves a 480/277V, 3 phase, 4 wire 3000 Ampere (A) service entrance section (SES), including utility metering, main service circuit breaker, automatic transfer switch, and distribution section.

An existing 2000kW standby power generator is connected to the ATS in the SES switchgear. This generator provides full capacity backup power to operate all the equipment presently supplied by the SES. The grounding system is solidly-grounded, non-separately derived, with a solid neutral connection (non-switched) through the transfer switch. The grounding electrode system bond is located in the SES.

The SES distribution section provides electrical feeders to the entire treatment facility. It is rated at 3000A , 480V, 3 Phase. Subsequent expansions will require an additional utility service or upgraded service, with new SES switchgear and distribution equipment.

Medium voltage utility service and switchgear should be investigated at that time due to the high amperage requirement of the projected loads. Phase 1 loads would require a 4000A service which is



reasonable and commercially available. However, subsequent upgrades would require 5000A for Phase 2 and at least 7000A for phase 3 and 4. At 4,160V the service and distribution size would be a maximum of 1200A.

Table 9-3 summarizes the electrical facility size requirements for each project phase and provides two alternatives for Phase 1 depending on the Town preference to maintain the 480V system or upgrade to the 4160V service which would be required for Phase 2, as described later in the report.

Table 10-7 Projected Electrical Demand and Service Size Summary

Parameter, Unit	Existing	Phase 1		Phase 2	Phase 3	Phase 4
		480V	4160V			
Load	1793kVA	2770kVA (3700A @ 480V)	2770kVA (411A @ 4,160V)	3035kVA (451A @ 4,160V)	4207kVA (621A @ 4,160V)	4973kVA (729A @ 4,160V)
Utility	3000A	3700A	1200A	1200A	1200A	1200A
SES	3000A	4000A	1200A	1200A	1200A	1200A
Standby Power	2000kW	2000kVA or 2 @ 1500kW	2000kVA or 2 @ 1500kW	2 @ 1500kW	3 @ 1500kW	3 @ 1500kW

10.7.2 Standby Power

The existing 2,000 kilowatt (kW) standby diesel generator supplies full-capacity standby power for the facility.

As noted above, the Phase 1 calculated load for the SES is 2770kVA corresponding to 3700A at 480V, 3 phase. The existing 2000kW generator corresponds to approximately 2500kVA and may be adequate to supply the critical demand load associated with Phase 1. However, if the existing generator is maintained for phase 1 the loads should be connected to the generator in a sequenced manner in multiple load steps and the capability of load shedding should be provided.

Subsequent construction phases will require increased generating capacity supplied by additional generators which may be connected in a single node plant or distributed configuration. Paralleling capability should be provided for additional redundancy. Refer to the Standby Power information in Table 10-7.



Reliability of the electrical distribution system in future phases may be increased by installing new double-ended SES switchgear with a main-tie-tie-main configuration consisting of two separate buses, Bus A and Bus B. Motor control centers serving similar equipment may be fed from different buses in the switchgear so that if a single feeder or device fails the plant may continue to operate.

10.8 Instrumentation and Control Modifications

The Florence SWWTP Supervisory, Control, & Data Acquisition (SCADA) system architecture includes the following main units:

- Plant RSView32 HMI /Operator Terminal Human Machine Graphical Interface
- Main Plant SLC 5/05 PLC and Operator Interface Terminals (OIT)
- Vendor Packaged System PLC's and OIT's
- Industrial Ethernet and Control Networks
- Town of Florence Corporate/IT network

The HMI's together with PLC's control the plant and associated equipment to maintain the process variables within desired ranges.

The facility is currently monitoring equipment and instrumentation from a single plant PLC and several vendor equipment controllers. The main SCADA node consists of an operator workstation in the operations building.

Various instruments such as flow meters, level transmitters, and other analytical instruments monitor the process and send 4-20 mA direct current analog signals to the PLCs for automatic control purposes. Certain existing plant control systems will require upgrading and integration to meet the requirements of the proposed upgrade.

The existing plant SCADA system is in relatively good condition and includes capacity for the additional I/O associated with localized plant upgrades. However the new areas will require new control panels complete with PLC's to integrate with the existing SCADA system. Upgrades to the SCADA system will include the following:



- Application development across the nodes will be coordinated using RSView32 programming software. When changes are made to the application, they will be propagated to all of the nodes. Each of these computers will historize data. Historian will be configured to provide the Town with the necessary historical data, max/min/average values to be in full compliance with permitting reporting requirements.
- The laboratory SCADA computer will provide remote access to the SCADA system for operators and integrators via secure VPN.
- Field instruments and control panels will be connected directly to the existing PLC. Further revisions and enhancements to existing processes will be linked to the existing PLC.

Additions and modifications to the PLC architecture will include:

- Additional new secondary treatment systems;
- Addition of new pumps and pumping systems
- Addition of new tertiary filter;
- Addition of new chemical storage and feed equipment;
- Addition of new residual analyzers; and
- Expanded Administration Building/Laboratory.

10.8.1 Communications Systems

The existing communications system (telephone and data) shall form the basis of design for the expansion project. The existing head-end equipment and demarcation points shall be relocated from the existing admin electrical room to the communications closet in the new admin building.

The Admin building shall include Cat-6 structured wiring to facilitate the various communications and control systems.



10.8.2 Uninterruptible Power Supply

The existing Uninterruptible Power Supplies (UPS) are located in each of the electrical rooms and is the source for “clean” power to SCADA panels and processors to keep controllers “up” on line during transition to stand-by power and avoid control system shut-down during short power outages.

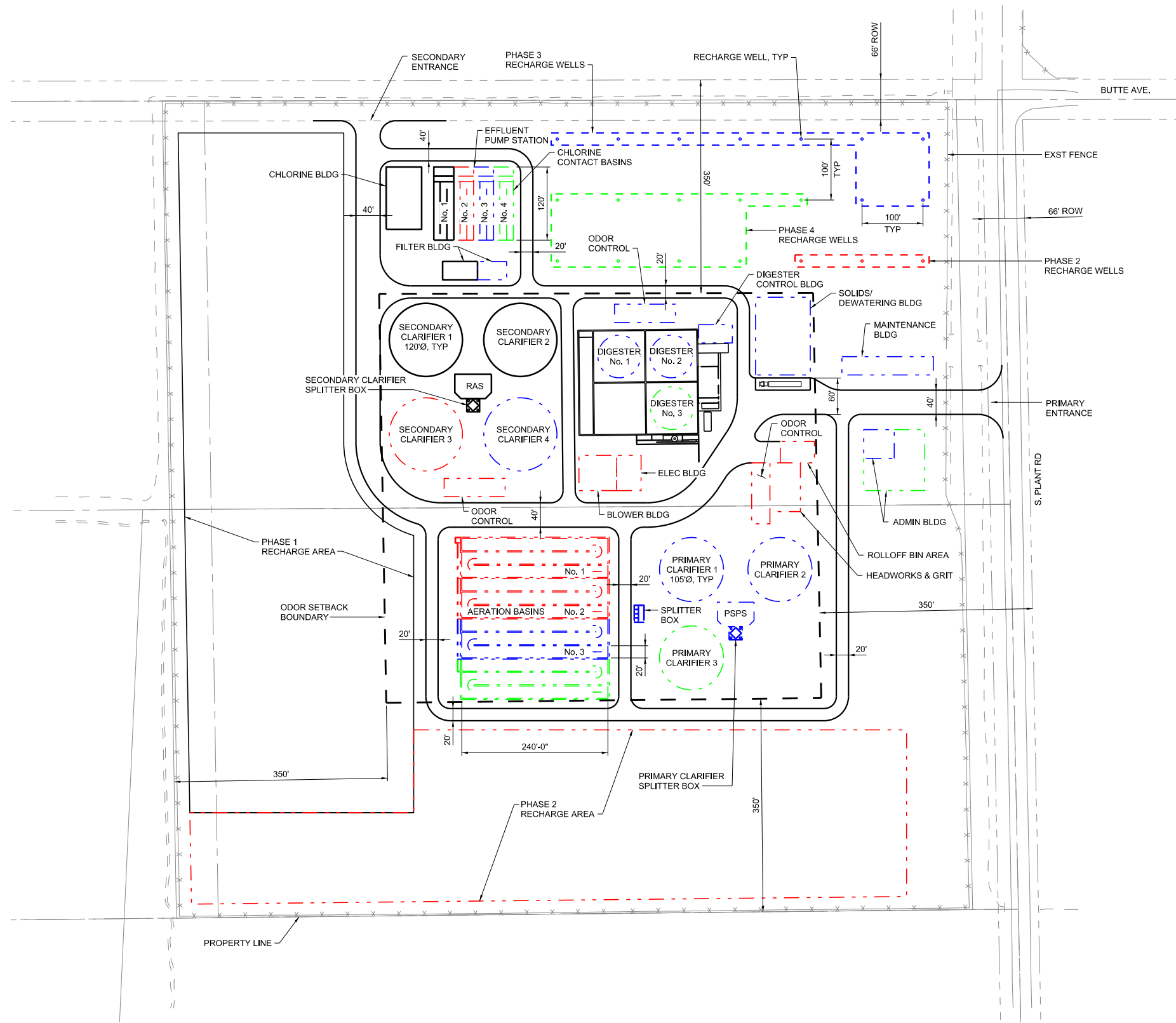
The new admin building control room will include UPS to support the SCADA equipment.



**Town of Florence
South Wastewater Treatment Plant Expansion
Preliminary Design Report**

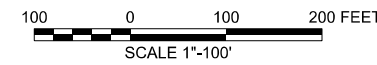
APPENDIX A

Site Plan



LEGEND

PHASE 1 (4 MGD)	---
PHASE 2 (8 MGD)	---
PHASE 3 (12 MGD)	---
PHASE 4 (16 MGD)	---



NOT FOR CONSTRUCTION

VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING.
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DESIGN	MBP
DRAWN	AA
CHECKED	RDB
APPROVED	RDB

WATERWORKS ENGINEERS
 7580 Oldham Rd., Suite 200 • Sarasota, FL • 941-461-1172

TOWN OF FLORENCE SOUTH WASTE WATER TREATMENT PLANT

MASTER PLAN LAYOUT

CIVIL

DATE	JUNE 2016
PROJECT NUMBER	13-057
DRAWING NUMBER	C-100
SHEET	- OF -



**Town of Florence
South Wastewater Treatment Plant Expansion
Preliminary Design Report**

APPENDIX B

BioWin Process Results

BioWin user and configuration data

Project details

Project name: Florence SWWTP Master Plan Project ref.: 13-057 T.O. 6

Plant name: Florence SWWTP User name: MeghanP

Created: 8/18/2011

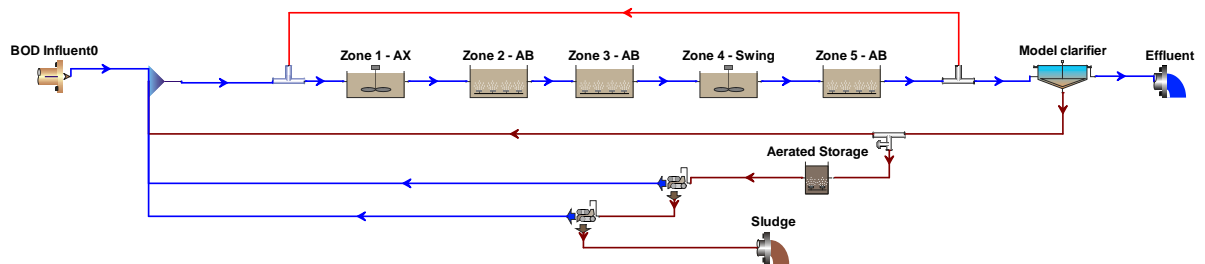
Saved: 5/17/2016

Steady state solution

Target SRT: 8.00 days Aerobic SRT: 7.99 days

Temperature: 27.4°C

Flowsheet



BioWin Album

Album page - Conc/Flows

Elements	Flow [mg/d]	Total COD [mg/L]	Filtered COD [mg/L]	Total Carbonaceous BOD [mg/L]	Filtered Carbonaceous BOD [mg/L]	Total suspended solids [mgTS/L]	Volatile suspended solids [mgVSS/L]	Total Kjeldahl Nitrogen [mgN/L]	Filtered TKN [mgN/L]	Nitrite + Nitrate [mgN/L]	pH []	Dissolved O2 [mg/L]	Alkalinity [mmol/L]	Ammonia N [mgN/L]	Nitrate N [mgN/L]	Nitrite N [mgN/L]	Total inorganic N [mgN/L]	Total N [mgN/L]
AB Inflow	6.40	2268.47	83.38	612.43	39.69	2467.68	1460.68	142.01	26.59	4.91	7.09	0.40	4.78	21.21	4.89	0.02	26.13	146.93
Zone 1 - AX	18.40	2124.38	29.99	518.30	1.40	2419.30	1408.68	127.01	9.87	2.50	6.94	0.00	4.02	7.83	2.40	0.10	10.33	129.51
Zone 2 - AB	18.40	2097.98	29.17	503.00	1.13	2405.44	1393.89	120.38	2.89	8.93	6.78	2.00	3.05	0.70	8.64	0.29	9.63	129.31
Zone 3 - AB	18.40	2079.88	28.85	491.90	0.93	2394.69	1382.99	119.44	2.29	9.76	6.77	2.00	2.94	0.08	9.74	0.02	9.84	129.20
Zone 4 - Swing	18.40	2076.62	28.47	489.78	0.65	2392.83	1381.15	119.35	2.28	9.27	6.76	0.04	2.98	0.25	9.19	0.08	9.52	128.62
IMLR Splitter	6.40	2072.48	28.65	487.22	0.79	2390.07	1378.42	119.09	2.18	9.47	6.77	1.00	2.96	0.09	9.45	0.03	9.57	128.57
IMLR Splitter (U)	12.00	2072.48	28.65	487.22	0.79	2390.07	1378.42	119.09	2.18	9.47	6.77	1.00	2.96	0.09	9.45	0.03	9.57	128.57
Model clarifier	4.00	33.55	28.65	1.95	0.79	5.73	3.30	2.46	2.18	9.47	6.77	1.00	2.96	0.09	9.45	0.03	9.57	11.94
Model clarifier (U)	2.40	5466.56	28.65	1295.01	0.79	6359.14	3667.48	313.24	2.18	9.47	6.77	1.00	2.96	0.09	9.45	0.03	9.57	322.72
Effluent	4.00	33.55	28.65	1.95	0.79	5.73	3.30	2.46	2.18	9.47	6.77	1.00	2.96	0.09	9.45	0.03	9.57	11.94
WAS Splitter	2.22	5466.56	28.65	1295.01	0.79	6359.14	3667.48	313.24	2.18	9.47	6.77	1.00	2.96	0.09	9.45	0.03	9.57	322.72

WAS Splitter (U)	0.18	5466.56	28.65	1295.01	0.79	6359.14	3667.48	313.24	2.18	9.47	6.77	1.00	2.96	0.09	9.45	0.03	9.57	322.72
Aerated Storage	0.18	4317.07	28.66	488.89	0.77	5488.73	2863.39	253.87	22.21	60.46	4.33	2.00	-0.06	20.20	59.90	0.56	80.65	314.33
Gravity thickening	0.12	648.34	28.66	71.31	0.77	793.12	413.76	55.69	22.21	60.46	4.33	2.00	-0.06	20.20	59.90	0.56	80.65	116.15
Gravity thickening (U)	0.05	12561.40	28.66	1427.29	0.77	16040.67	8368.18	699.23	22.21	60.46	4.33	2.00	-0.06	20.20	59.90	0.56	80.65	759.69
Dewat. Centrifuge	0.05	1406.01	28.66	157.55	0.77	1762.87	919.66	96.62	22.21	60.46	4.33	2.00	-0.06	20.20	59.90	0.56	80.65	157.08
Dewat. Centrifuge (U)	0.00	125242.10	28.66	14252.94	0.77	160260.88	83605.70	6786.21	22.21	60.46	4.33	2.00	-0.06	20.20	59.90	0.56	80.65	6846.67
Sludge	0.00	125242.10	28.66	14252.94	0.77	160260.88	83605.70	6786.21	22.21	60.46	4.33	2.00	-0.06	20.20	59.90	0.56	80.65	6846.67

Album page - Mass Loads

Elements	Flow [mg/d]	Total COD [lb/d]	Filtered COD [lb/d]	Total Carbonaceous BOD [lb/d]	Filtered Carbonaceous BOD [lb/d]	Total suspended solids [lb TSS/d]	Volatile suspended solids [lb VSS/d]	Total Kjeldahl Nitrogen [lb N/d]	Filtered TKN [lb N/d]	Nitrite + Nitrate [lb N/d]	pH []	Dissolved O2 [lb/d]	Alkalinity [kmol/d]	Ammonia N [lb N/d]	Nitrate N [lb N/d]	Nitrite N [lb N/d]	Total inorganic N [lb N/d]	Total N [lb N/d]
AB Inf	-----	12106 7.80	4449. 87	32685.18	2118.29	131699 .91	77956. 35	7579. 27	1419. 07	262.1 8	7. 09	21.42	115.6 5	1132. 13	260.8 6	1.3 2	1394. 31	7841. 45
Zone 1 - AX	-----	32612 3.66	4604. 15	79566.00	214.48	371397 .62	216252 .83	19497 .31	1515. 48	383.7 5	6. 94	0.25	279.9 0	1201. 92	368.4 8	15. 27	1585. 66	19881 .05
Zone 2 - AB	-----	32207 1.40	4478. 32	77217.77	174.22	369270 .88	213983 .27	18480 .54	444.1 5	1370. 41	6. 78	307.0 3	212.3 1	108.0 0	1326. 52	43. 89	1478. 41	19850 .96
Zone 3 - AB	-----	31929 2.80	4428. 59	75513.39	142.85	367620 .45	212308 .79	18335 .76	351.9 6	1498. 26	6. 77	307.0 3	204.6 2	12.33	1494. 60	3.6 6	1510. 58	19834 .02
Zone 4 - Swing	-----	31879 2.08	4370. 60	75188.51	99.11	367334 .72	212027 .00	18321 .37	350.2 9	1423. 29	6. 76	5.71	207.8 0	38.35	1411. 15	12. 15	1461. 64	19744 .67
IMLR Splitter	-----	11060 8.18	1529. 15	26002.69	41.91	127557 .90	73566. 03	6355. 96	116.4 0	505.6 3	6. 77	53.37	71.57	4.87	504.1 2	1.5 2	510.5 0	6861. 60
IMLR Splitter (U)	-----	20754 8.67	2869. 34	48792.27	78.64	239353 .67	138041 .61	11926 .53	218.4 1	948.7 9	6. 77	100.1 4	134.2 9	9.13	945.9 4	2.8 5	957.9 2	12875 .32
Model clarifier	-----	1118.5 5	955.2 8	65.04	26.18	190.93	110.12	82.05	72.71	315.8 8	6. 77	33.34	44.71	3.04	314.9 3	0.9 5	318.9 2	397.9 3
Model clarifier (U)	-----	10948 9.63	573.8 7	25937.65	15.73	127366 .97	73455. 91	6273. 91	43.68	189.7 6	6. 77	20.03	26.86	1.83	189.1 9	0.5 7	191.5 8	6463. 67
Effluent	-----	1118.5 5	955.2 8	65.04	26.18	190.93	110.12	82.05	72.71	315.8 8	6. 77	33.34	44.71	3.04	314.9 3	0.9 5	318.9 2	397.9 3
WAS Splitter	-----	10146 0.34	531.7 8	24035.54	14.58	118026 .67	68069. 11	5813. 82	40.48	175.8 4	6. 77	18.56	24.89	1.69	175.3 1	0.5 3	177.5 3	5989. 66

WAS Splitter (U)	-----	8029.29	42.08	1902.11	1.15	9340.30	5386.80	460.09	3.20	13.92	6.77	1.47	1.97	0.13	13.87	0.04	14.05	474.01
Aerated Storage	-----	6340.91	42.10	718.09	1.14	8061.85	4205.75	372.89	32.63	88.80	4.33	2.94	-0.04	29.67	87.98	0.82	118.47	461.69
Gravity thickening	-----	659.02	29.13	72.48	0.79	806.19	420.57	56.61	22.58	61.45	4.33	2.03	-0.03	20.53	60.89	0.56	81.98	118.06
Gravity thickening (U)	-----	5681.89	12.97	645.60	0.35	7255.67	3785.17	316.28	10.05	27.35	4.33	0.90	-0.01	9.14	27.10	0.25	36.48	343.63
Dewat. Centrifuge	-----	578.69	11.80	64.84	0.32	725.57	378.52	39.77	9.14	24.88	4.33	0.82	-0.01	8.31	24.65	0.23	33.20	64.65
Dewat. Centrifuge (U)	-----	5103.20	1.17	580.76	0.03	6530.10	3406.66	276.52	0.91	2.46	4.33	0.08	0.00	0.82	2.44	0.02	3.29	278.98
Sludge	-----	5103.20	1.17	580.76	0.03	6530.10	3406.66	276.52	0.91	2.46	4.33	0.08	0.00	0.82	2.44	0.02	3.29	278.98

Album page - Inf-Eff

No element

toomanycolumns

Parameters	Value	Units
------------	-------	-------

Album page - Inf-Eff

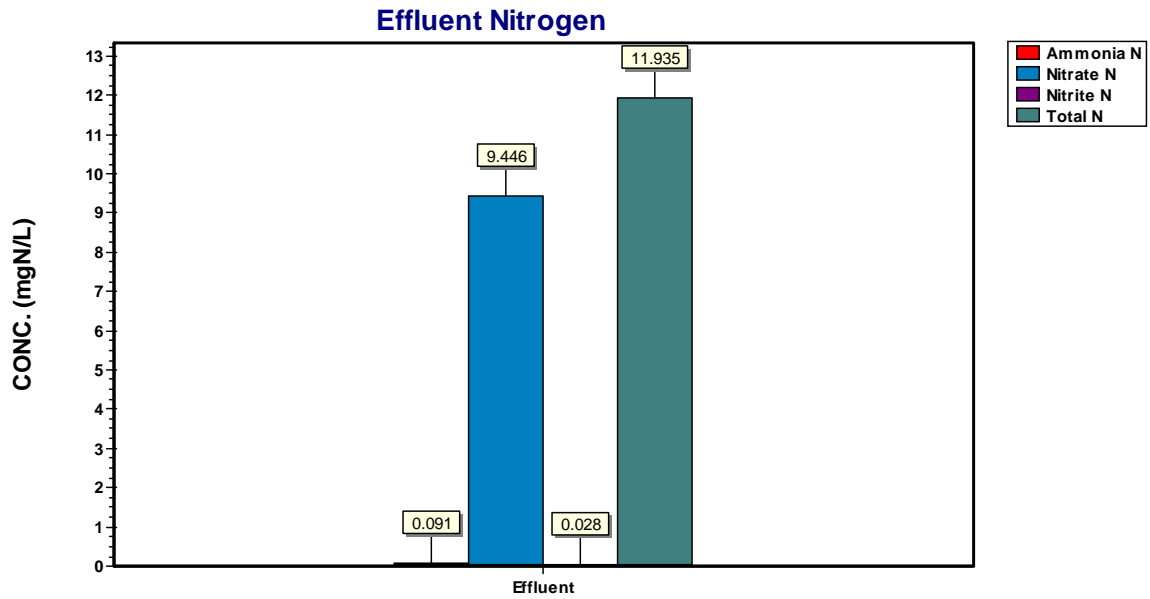
AB Inf

Parameters	Conc. (mg/L)	Mass rate (lb/d)	Notes
Volatile suspended solids	1460.68	77956.35	
Total suspended solids	2467.68	131699.91	
Particulate COD	2185.09	116617.93	
Filtered COD	83.38	4449.87	
Total COD	2268.47	121067.80	
Soluble PO4-P	6.53	348.36	
Total P	44.11	2353.97	
Filtered TKN	26.59	1419.07	
Particulate TKN	115.42	6160.21	
Total Kjeldahl Nitrogen	142.01	7579.27	
Filtered Carbonaceous BOD	39.69	2118.29	
Total Carbonaceous BOD	612.43	32685.18	
Nitrite + Nitrate	4.91	262.18	
Total N	146.93	7841.45	
Total inorganic N	26.13	1394.31	
Alkalinity	4.78	115.65	mmol/L and kmol/d
pH	7.09		
Volatile fatty acids	8.26	440.89	
ISS precipitate	0.00	0.00	
ISS cellular	73.54	3924.98	
ISS Total	1007.00	53743.56	
Ammonia N	21.21	1132.13	
Nitrate N	4.89	260.86	

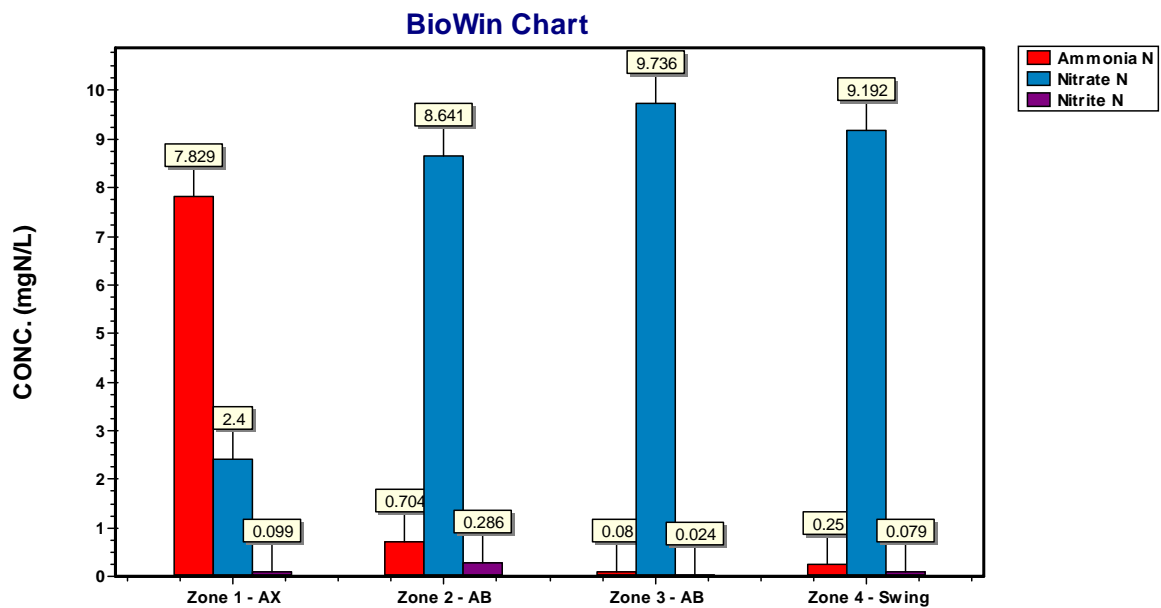
Album page - Inf-Eff

Effluent			
Parameters	Conc. (mg/L)	Mass rate (lb/d)	Notes
Volatile suspended solids	3.30	110.12	
Total suspended solids	5.73	190.93	
Particulate COD	4.90	163.27	
Filtered COD	28.65	955.28	
Total COD	33.55	1118.55	
Soluble PO4-P	7.28	242.86	
Total P	7.37	245.80	
Filtered TKN	2.18	72.71	
Particulate TKN	0.28	9.34	
Total Kjeldahl Nitrogen	2.46	82.05	
Filtered Carbonaceous BOD	0.79	26.18	
Total Carbonaceous BOD	1.95	65.04	
Nitrite + Nitrate	9.47	315.88	
Total N	11.94	397.93	
Total inorganic N	9.57	318.92	
Alkalinity	2.96	44.71	mmol/L and kmol/d
pH	6.77		
Volatile fatty acids	0.00	0.02	
ISS precipitate	0	0.00	
ISS cellular	0.19	6.25	
ISS Total	2.42	80.82	
Ammonia N	0.09	3.04	
Nitrate N	9.45	314.93	
Parameters	Value	Units	
Power	0	kW	
Power cost (UV/Filt.)	0	\$/hour	
Cost (Chemicals)	0	\$/hour	

Album page - Eff N



Album page - N forms in ABs



Album page – Model Clarifier

Parameters	Conc. (mg/L)	Mass rate (lb/d)	Notes
Volatile suspended solids	3.30	110.12	
Total suspended solids	5.73	190.93	
Particulate COD	4.90	163.27	
Filtered COD	28.65	955.28	
Total COD	33.55	1118.55	
Soluble PO4-P	7.28	242.86	
Total P	7.37	245.80	
Filtered TKN	2.18	72.71	
Particulate TKN	0.28	9.34	
Total Kjeldahl Nitrogen	2.46	82.05	
Filtered Carbonaceous BOD	0.79	26.18	
Total Carbonaceous BOD	1.95	65.04	
Nitrite + Nitrate	9.47	315.88	
Total N	11.94	397.93	
Total inorganic N	9.57	318.92	
Alkalinity	2.96	44.71	mmol/L and kmol/d
pH	6.77		
Volatile fatty acids	0.00	0.02	
ISS precipitate	0	0.00	
ISS cellular	0.19	6.25	
ISS Total	2.42	80.82	
Ammonia N	0.09	3.04	
Nitrate N	9.45	314.93	
Element HRT	5.08	hours	
Percent TSS removal	99.85	%	
Percent COD removal	98.99	%	
Percent BOD removal	99.75	%	
Percent TKN removal	98.71	%	
Percent Tot. P removal	89.56	%	
Height of specified concentration	1.76	ft	
Total solids mass	9313.08	lb	
Surface overflow rate	353.24	gal/(ft ² d)	
Solids loading rate	11.28	lb/(ft ² d)	

Album page - Centrifuge

Dewat. Centrifuge			
Parameters	Conc. (mg/L)	Mass rate (lb/d)	Notes
Volatile suspended solids	83605.70	3406.66	
Total suspended solids	160260.88	6530.10	
Particulate COD	125213.43	5102.03	
Filtered COD	28.66	1.17	
Total COD	125242.10	5103.20	
Soluble PO4-P	32.39	1.32	
Total P	2159.98	88.01	
Filtered TKN	22.21	0.91	
Particulate TKN	6764.00	275.61	
Total Kjeldahl Nitrogen	6786.21	276.52	
Filtered Carbonaceous BOD	0.77	0.03	
Total Carbonaceous BOD	14252.94	580.76	
Nitrite + Nitrate	60.46	2.46	
Total N	6846.67	278.98	
Total inorganic N	80.65	3.29	
Alkalinity	-0.06	0.00	mmol/L and kmol/d
pH	4.33		
Volatile fatty acids	0.00	0.00	
ISS precipitate	0.00	0.00	
ISS cellular	4138.55	168.63	
ISS Total	76655.18	3123.44	
Ammonia N	20.20	0.82	
Nitrate N	59.90	2.44	
Parameters	Value	Units	
Percent TSS removal	90.00	%	
Power	0	kW	
Power cost	0	\$/hour	
Cost (Chemicals)	0	\$/hour	

Album page - Centrifuge

Dewat. Centrifuge			
Parameters	Conc. (mg/L)	Mass rate (lb/d)	Notes
Volatile suspended solids	919.66	378.52	
Total suspended solids	1762.87	725.57	
Particulate COD	1377.35	566.89	
Filtered COD	28.66	11.80	
Total COD	1406.01	578.69	
Soluble PO4-P	32.39	13.33	
Total P	55.79	22.96	
Filtered TKN	22.21	9.14	
Particulate TKN	74.40	30.62	
Total Kjeldahl Nitrogen	96.62	39.77	
Filtered Carbonaceous BOD	0.77	0.32	
Total Carbonaceous BOD	157.55	64.84	
Nitrite + Nitrate	60.46	24.88	
Total N	157.08	64.65	
Total inorganic N	80.65	33.20	
Alkalinity	-0.06	-0.01	mmol/L and kmol/d
pH	4.33		
Volatile fatty acids	0.00	0.00	
ISS precipitate	0.00	0.00	
ISS cellular	45.52	18.74	
ISS Total	843.21	347.05	
Ammonia N	20.20	8.31	
Nitrate N	59.90	24.65	
Parameters	Value	Units	
Percent TSS removal	90.00	%	
Power	0	kW	
Power cost	0	\$/hour	
Cost (Chemicals)	0	\$/hour	

Album page - Aeration

Elements	OTE [%]	OTR [lb/hr]	SOTE [%]	SOTR [lb/hr]	Air flow rate [ft ³ /min (20C, 1 atm)]	# of diffusers []	Air flow rate / diffuser [ft ³ /min (20C, 1 atm)]	OUR - Nitrification [mgO ₂ /L/hr]	OUR - Carbo naceous [mgO ₂ /L/hr]	OUR - Total [mgO ₂ /L/hr]	Dissolved O ₂ [mg/L]	Total suspended solids [mgTSS/L]	Volatil e suspended solids [mgVSS/L]
Zone 1 - AX	100.0	0	100.0	0	0	1200	0	0.17	0.59	0.76	0.00	2419	1408
Zone 2 - AB	15.99	367.2	47.68	1094.94	2199.94	1999	1.10	16.57	15.61	32.18	2.00	2405	1393
Zone 3 - AB	18.73	142.9	55.84	426.25	731.33	1598	0.46	3.55	12.69	16.24	2.00	2394	1382
Zone 4 - Swing	100.0	0	100.00	0	0	419	0	1.16	4.28	5.44	0.04	2392	1381
Total	234.7	510.2	303.5	1521	2931	5216	1.56	21.46	33.17	54.63	4.04	9612	5566

Global Parameters

Common

Name	Default	Value
Hydrolysis rate [1/d]	2.1000	1.0290
Hydrolysis half sat. [-]	0.0600	1.0000
Anoxic hydrolysis factor [-]	0.2800	1.0000
Anaerobic hydrolysis factor (AS) [-]	0.0400	1.0000
Anaerobic hydrolysis factor (AD) [-]	0.5000	1.0000
Adsorption rate of colloids [L/(mgCOD d)]	0.1500	1.0290
Ammonification rate [L/(mgCOD d)]	0.0400	1.0290
Assimilative nitrate/nitrite reduction rate [1/d]	0.5000	1.0000
Endogenous products decay rate [1/d]	0	1.0000

AOB

Name	Default	Value
Max. spec. growth rate [1/d]	0.9000	1.0720
Substrate (NH ₄) half sat. [mgN/L]	0.7000	1.0000
Byproduct NH ₄ logistic slope [-]	50.0000	1.0000

Byproduct NH4 inflection point [mgN/L]	1.4000	1.4000	1.0000
AOB denite DO half sat. [mg/L]	0.1000	0.1000	1.0000
AOB denite HNO2 half sat. [mgN/L]	5.000E-6	5.000E-6	1.0000
Aerobic decay rate [1/d]	0.1700	0.1700	1.0290
Anoxic/anaerobic decay rate [1/d]	0.0800	0.0800	1.0290
KiHNO2 [mmol/L]	0.0050	0.0050	1.0000

NOB

Name	Default	Value	
Max. spec. growth rate [1/d]	0.7000	0.7000	1.0600
Substrate (NO2) half sat. [mgN/L]	0.1000	0.1000	1.0000
Aerobic decay rate [1/d]	0.1700	0.1700	1.0290
Anoxic/anaerobic decay rate [1/d]	0.0800	0.0800	1.0290
KiNH3 [mmol/L]	0.0750	0.0750	1.0000



South Wastewater Reclamation Facility



South Wastewater Reclamation Facility

Summary

- The plant is at 60% Capacity, design should start at 80 % and expansion at 90 % of capacity.
- The current plant is designed to produce the highest level of treatment for irrigation and or recharge to create long term water credits.
- Some treatment units are approaching their design life.
- The plant was designed without odor control due to the amount of undeveloped area near the facility.
 - Partial odor control can cost over \$1,000,000.
 - Full odor control is estimated to cost from \$4,800,000 to \$19,000,000 at build out.
- The Masterplan outlines a four (4) phased expansion program to 15.5 million gallons per day costing up to \$155,000,000.
- Following approval of this Masterplan:
 - Review planned area development
 - Develop financing and implementation plan

Facility Background



- Originally built in 1985
 - Lagoon based treatment plant
 - Average Annual Day (AAD) capacity of 1.5 Million Gallons per Day (MGD)
 - The plant is operating at 60% capacity. The Town should initiate design at 80%.
- Expanded in 2007
 - Sequencing Batch Reactor Plant
 - 2.5 MGD
 - Operates under both an Arizona Pollutant Discharge Elimination System (AZPDES) permit and an Aquifer Protection Permit (APP).
- Original Masterplan - January 2008
 - Recommended facility be planned for 15.5 MGD

Facility Permits



- Aquifer Protection Permit (APP)(No. 100370) AZPDES permit (AZ0025208)
- Final effluent is used for irrigation or discharge to the Gila River AZPDES Permit. Over 60 percent of the flow is used for agricultural irrigation. There are monitoring wells which are the Point of Compliance (POC) regulated under the APP.
- The Town plans to implement effluent recharge and storage on site, to create long term storage credits.

Planning Horizon

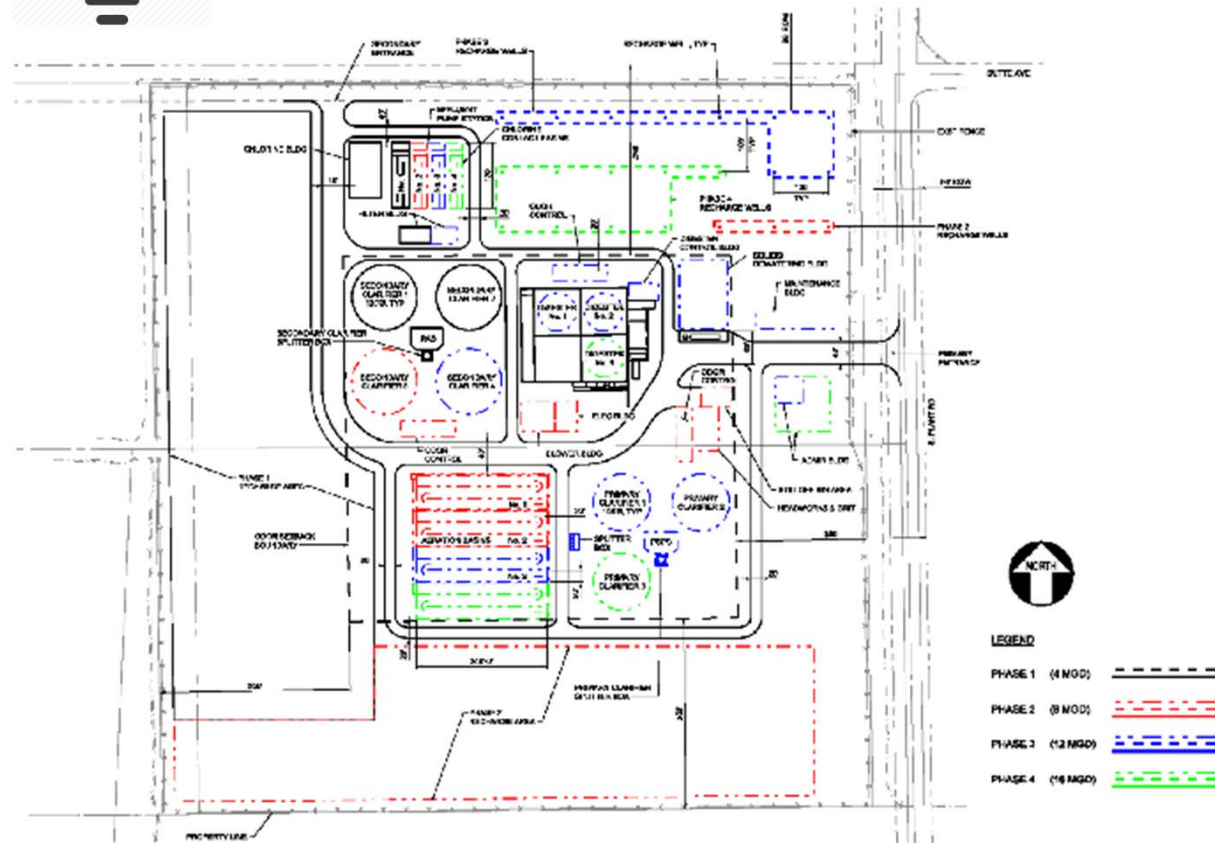


Phase			
	Flow Rate, MGD	Estimated Cost Million \$	Population 100 /65 gallons per person per day (gpcd)
Existing Flows	1.55		
Existing Capacity	2.5		25,000/38,460
1	4.0	\$13-\$16	40,000/61,540
2	8.0	\$35-\$40	80,000/123,080
3	12.0	\$35-\$40	120,000/184,620
4	15.5	\$30-\$45	160,000/246,150

Expansion Concept



- Activated Sludge Options
 - Flow through nutrient removal process
 - Membrane Bioreactor
- Site planning based on technology requires larger process and equipment area
- Flexibility to accommodate future technologies



Proposed Facilities



- New Influent pump station
 - New headworks*
 - Odor Control*
 - Primary sedimentation (depending on strength of influent wastewater)
 - Activated sludge
 - Bioreactors
 - Clarifiers
 - Tertiary Filtration
 - Disinfection (Ultra Violet or Chlorination)
 - Sludge Digestion and Dewatering
 - Site planned for future regulatory requirements, energy saving features
- *Some critical short term improvements should be in the Town's CIP budget.*

Short Term Improvements



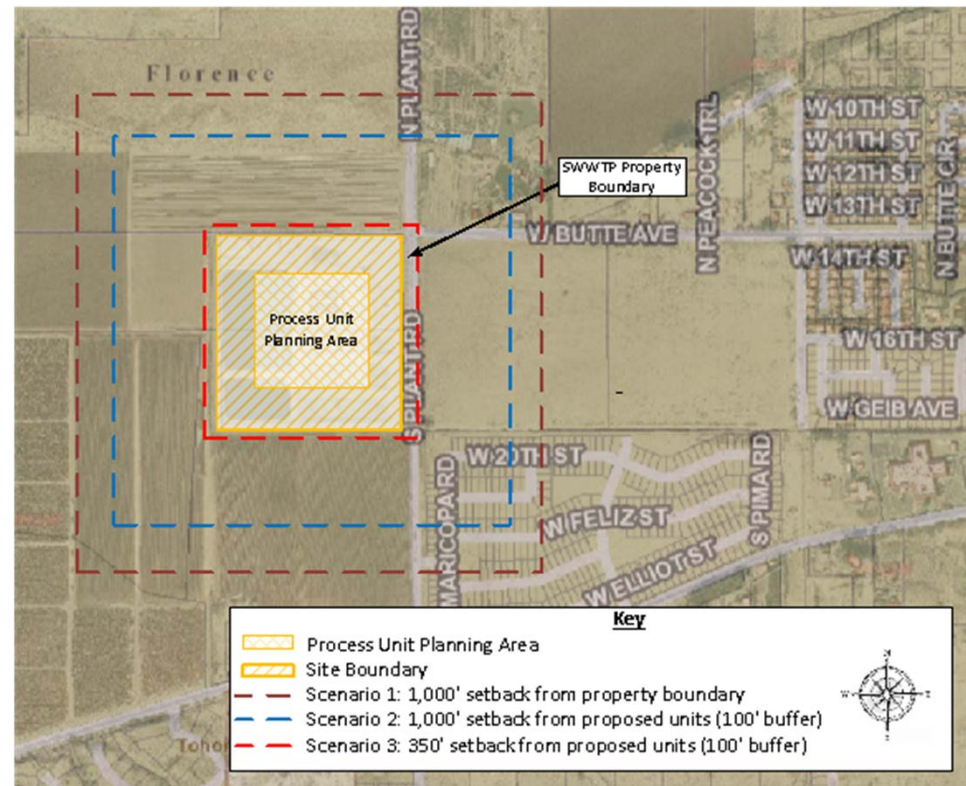
- Headworks
 - Influent Screens, Facility is 30yr old, below grade.
 - Influent Pump Station- *Project schedule impacted by potential development in the area*
 - Upgrade the influent pump control panel
 - Upgrade the level controller and provide a redundant instrument
 - Address Phase I odor control issues
- SCADA- *System assessment and preliminary design underway*
 - Update Logic(control of equipment)
 - Update Hardware(replace obsolete hardware)
- Chemical Feed System- *Chemical feed system purchased and being installed*
 - New Dechlorination System
- Belt Filter Press- *New press purchased using up the remaining WIFA loan funds*
 - Install new and more efficient dewatering equipment

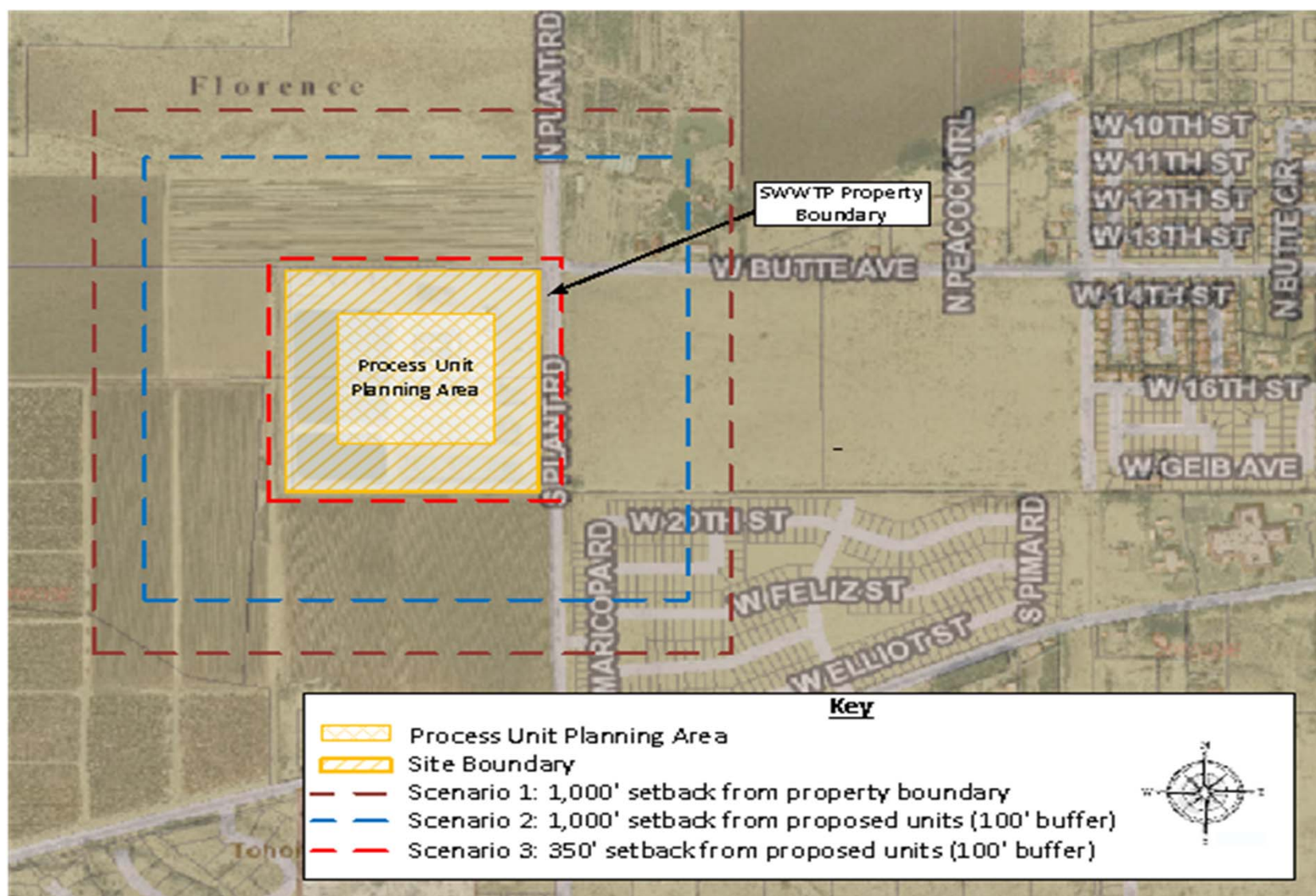
Some critical short term improvements should be in the Town's CIP budget.

Odor Control



- Regulated by ADEQ
- A.A.C. R18-9-B201 establishes requirements for noise and odor control at WWTPs.
 - A minimum 350 foot setback if full noise, odor, and aesthetic controls are provided for a facility that is 1 MGD or larger.
 - If full noise, odor, and aesthetic controls are not provided, then a minimum 1,000 foot setback is required.

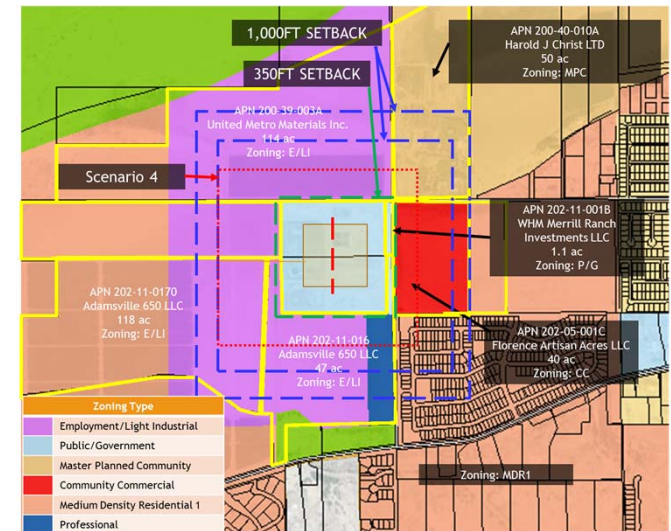




Odor Control



- Four Scenarios evaluated
 - Scenario 1: No Odor and noise control.
 - A 1,000 foot setback based on the property boundary
 - Most flexibility
 - Scenario 2: No Odor and noise control.
 - A 1,000 foot setback is established based on the layout
 - Changes in the layout between Phase 1 and Phase 4 changes setback boundaries
 - Scenario 3: Implement full noise and odor control.
 - A 350 foot setback plus 100 foot buffer
 - Scenario 4: Include covering only the main odor-producing processes.
 - 350 ft around headworks, primaries and digesters
 - 1000 ft around remainder of plant
 - This will reduce odor nuisance and minimize costs.



Scenario	Land Required for Easements, acres	Estimated Cost
1	220	\$ 539,000 to \$ 1,080,000
2	140	\$ 343,000 to \$ 646,000
3	20	\$ 49,000 to \$100,000
4	70	\$ 171,000 to \$342,000

Questions



TOWN OF FLORENCE COUNCIL ACTION FORM

AGENDA ITEM 8b.

MEETING DATE: March 6, 2017

DEPARTMENT: Public Works

STAFF PRESENTER: Christopher A. Salas, Public Works
Director/Town Engineer

SUBJECT: Authorization to contract with FWC, Supply, LLC,
for parts for the waterline projects for 1st Street, Medical Office
Building and Circle K.

- Action**
- Information Only**
- Public Hearing**
- Resolution**
- Ordinance**
 - Regulatory**
 - 1st Reading**
 - 2nd Reading**
- Other**

RECOMMENDED MOTION/ACTION:

Authorization to contract with FWC Supply, LLC, through a City of Phoenix Cooperative Contract, to provide parts for waterline projects for 1st Street, Medical Office Building and Circle K, in an amount not to exceed \$100,000.

BACKGROUND/DISCUSSION:

The Town of Florence has the opportunity to contract with FWC Supply, LLC, in a Cooperative Contract with the City of Phoenix, to provide parts for the waterline projects for 1st Street, medical office building and Circle K.

FINANCIAL IMPACT:

The cost to provide parts for waterline projects for 1st Street, medical office building and Circle K, is an amount not to exceed 100,000.

STAFF RECOMMENDATION:

Staff recommends Town Council approval.

ATTACHMENTS:

Contract with Exhibit 1
Bid Document

TOWN OF FLORENCE, ARIZONA
CONTRACT FOR COOPERATIVE USE OF CITY OF PHOENIX SOLICITATION NO
IFB 15-158 (CG), CONTRACT NO. 4701002106 FOR WATER ELBOWS, FITTINGS,
PIPE, SHAFTS, FLANGES ETC.

THIS CONTRACT (the "Contract") is made and entered into effective as of the 6th day of March, 2017 ("Effective Date"), by and between the Town of Florence, Arizona (the "Town"), and FWC Supply, LLC, (the "Contractor") and together with the Contract Documents referred to and incorporated herein, is the "resultant contract" contemplated in the City of Phoenix Solicitation No. IFB15-158 (CG), SRM Contract No. 4701002106 for Water Elbows, Fittings, Pipe, Shafts, Flanges, Nipples, Bushings Reducers, Clamps, Stops, Conversions Tees, Resetters, Couplings and Miscellaneous Items-Requirements Contract and Contract Amendment dated March 12, 2016. The Town and the Contractor are sometimes referred to in this Contract collectively as the "Parties" and each individually as a "Party".

1. **SCOPE OF WORK:** The Contractor shall provide the Town all necessary labor, material, transportation services and equipment to provide Water Elbows, Fittings, Pipe, Shafts, Flanges, Nipples, Bushings Reducers, Clamps, Stops, Conversions Tees, Resetters, Couplings and Miscellaneous Items per contract specifications described in the attached scope of materials and services set forth in **Exhibit "1"** (the "Goods"). The Contractor shall provide the Goods in accordance with the schedule attached in **Exhibit "1"**, and the Contract Documents, including all exhibits to the Master Contract including but not limited to any Standard Terms and Conditions, Special Terms and Conditions, Specifications, Scope of Work and Attachments. Contractor agrees, at its own cost and expense, to do all of the work and furnish all of the equipment, personnel and materials necessary to provide in a good and substantial manner, and to the satisfaction of the Town, the Goods.
2. **PRIORITY OF DOCUMENTS.** It is further expressly agreed by and between the Parties that should there be any conflict between the terms of this Contract, the Master Contract, or the Contractor's Proposal, then this Contract and the provisions of the Contract Documents shall control and nothing herein shall be considered as an acceptance of the terms of the said Proposal conflicting herewith or with the Master Contract, unless expressly stated herein.
3. **INCORPORATION:** For and in consideration of this Contract and other good and valuable consideration, the Contractor agrees that the master cooperative solicitation/contract (City of Phoenix Solicitation No. IFB15-158 (CG), SRM Contract No. 4701002106 for Water Elbows, Fittings, Pipe, Shafts, Flanges, Nipples, Bushings Reducers, Clamps, Stops, Conversions Tees, Resetters, Couplings and Miscellaneous Items-Requirements Contract and Contract Amendment dated March 12, 2016) is in full force and effect, and all terms and conditions of the Master Contract are incorporated by reference into this Contract, creating an agreement identical in terms between the Town and Contractor. In the Master Contract, the terms: "City of Phoenix" and "City" shall

be deemed to be and refer to the Town of Florence; and the terms: "Offeror", "Contractor", "Seller" shall be deemed to be and refer to the Contractor under this Contract.

4. **CONTRACT DOCUMENTS:** This Contract consists of the following contract documents, which by reference are incorporated herein:
 - A. This signed Contract.
 - B. The solicitation documents, including City of Phoenix Solicitation No. IFB15-158 (CG), SRM Contract No. 4701002106 for Water Elbows, Fittings, Pipe, Shafts, Flanges, Nipples, Bushings Reducers, Clamps, Stops, Conversions Tees, Resetters, Couplings and Miscellaneous Items-Requirements Contract and Contract Amendment dated March 12, 2016, and including, but not limited to: Invitation for Bid, Instructions to Offerors, Fee Schedules; Notices; Checklists; Requirements for Proposers; Standard Terms and Conditions; Special Terms and Conditions; Scope of Work/Statement; Work Schedule; Certificates of Compliance; Plans, Specifications, Addenda, Warranties for Work; Work Forms; Attachments; Price Sheets; Questionnaires; Response Forms; Special Provisions and Specifications; Technical Provisions and Specifications; Schedules; Cooperative Authorizations; Exhibits, Material, Equipment, Submittals and Form B-Annual Cost (the "Contract Documents" or "Master Contract").
5. **CONTRACT PRICING:** Contract pricing shall be consistent with the Contract Documents and Contractor's Proposal and is listed in **Exhibit "1"** (Price Sheet), and shall not exceed **\$ 100,000.00**.
6. **TERM OF CONTRACT:** The term of this Contract shall be from the Effective Date through satisfactory completion of the Services or delivery of Goods and acceptance of the Services and/or Goods by the Town. Time is of the essence to the terms of this Contract.
7. **COMPLIANCE WITH FEDERAL AND STATE LAWS.**
 - A. The Contractor understands and acknowledges the applicability to it of the American with Disabilities Act, the Immigration Reform and Control Act of 1986 and the Drug Free Workplace Act of 1989.
 - B. Under the provisions of A. R. S. § 41-4401, Contractor hereby warrants to the Town that the Contractor and each of its subcontractors will comply with, and are contractually obligated to comply with, all Federal Immigration laws and regulations that relate to their employees and A. R. S. § 23-214 (A) (hereinafter "Contractor Immigration Warranty").
 - C. A breach of the Contractor Immigration Warranty shall constitute a material breach of this Contract and shall subject the Contractor to penalties up to and including termination of this Contract at the sole discretion of the Town.
 - D. The Town retains the legal right to inspect the papers of any Contractor or Subcontractor's employee who works on this Contract to ensure that the Contractor or Subcontractor is complying with the Contractor Immigration

- Warranty. Contractor agrees to assist the Town in regard to any such inspections.
- E. The Town may, at its sole discretion, conduct random verification of the employment records of the Contractor and any subcontractors to ensure compliance with Contractor's Immigration Warranty. Contractor agrees to assist the Town in regard to any random verification performed.
 - F. Neither the Contractor nor any subcontractor shall be deemed to have materially breached the Contractor Immigration Warranty if the Contractor or subcontractor establishes that it has complied with the employment verification provisions prescribed by section 274A and 274B of the Federal Immigration and Nationality Act and the E-Verify requirements prescribed by A. R. S. § 23-214, Subsection A.
 - G. The provisions of this Section must be included in any contract the Contractor enters into with any and all of its subcontractors who provide Services under this Contract or any subcontract. "Services" are defined as furnishing labor, time or effort in the State of Arizona by a contractor or subcontractor. Services include construction or maintenance of any structure, building or transportation facility or improvement to real property.
 - H. The provisions of this Section must be included in any contract the Contractor enters into with any and all of its subcontractors who provide Services under this Contract or any subcontract.
8. **METHOD OF PAYMENT.** Method of payment shall be set forth in **Exhibit "1"**. If payment is to be made monthly, Contractor shall prepare monthly invoices and progress reports which clearly indicate the progress to date and the amount of compensation due by virtue of that progress. All invoices shall be for Services completed or Goods accepted by the Town.
 9. **TERMINATION.** Town, at any time and for any reason and without cause, may terminate, suspend or abandon any portion, or all, of this Contract at Town's convenience without penalty or recourse. Contractor shall receive payment for Services or Goods satisfactorily completed and accepted by Town, as determined by Town in its reasonable discretion, based on the Goods and/or Services requirements and schedule for payment.
 10. **INDEPENDENT CONTRACTOR.** It is understood that Contractor shall be an independent contractor with respect to Services and/or Goods provided under this Contract, and shall not be deemed to be a partner, employee, joint venture, agent, or to have any other legal relationship with Town.
 11. **Notices.** Any notice to be given under this Contract shall be in writing, shall be deemed to have been given when personally served or when mailed by certified or registered mail, addressed as follows: Town: Town of Florence, Town Clerk, 775 N. Main Street, PO Box 2670, Florence, AZ 85132; and Contractor: FWC Supply LLC. Attn: S Helm, 27 West Baseline Rd, Gilbert, AZ 85233.

12. **INDEMNIFICATION.** To the fullest extent permitted by law, the Contractor, its successors, assigns and guarantors, shall pay, defend, indemnify and hold harmless the Town of Florence, its Mayor and Council members, its agents, officers, officials, representatives and employees, from and against all demands, claims proceedings, suits, damages, losses and expenses (including but not limited to attorney's fees, court costs, and the costs of appellate proceedings), and all claim adjustment and handling expenses, relating to, arising out of, or alleged to have resulted from the acts, errors, mistakes, omissions, Goods or Services of the Contractor, its agents, employees or any tier of Contractor's subcontractors related to the Goods or Services in the performance of this Contract. Contractor's duty to defend, hold harmless and indemnify Town of Florence, its Mayor and Council members, its agents, officers, officials, representatives and employees shall arise in connection with any claim, damage, loss or expense that is attributable to bodily injury, sickness, disease, death, or injury to, impairment, or destruction of property including loss of use of resulting therefrom, caused by Contractor's acts, errors, mistakes, omissions, Goods, Services in the performance of this Contract including any employee of the Contractor, any tier of Contractor's subcontractors or any other person for whose acts, errors, mistakes, omissions, Goods, Services the Contractor may be legally liable. In consideration of the award of this Contract, the Contractor agrees to waive all rights of subrogation against the Town, its officers, officials, agents and employees for losses arising from the Goods or Services provided by the Contractor for the Town.
13. **WARRANTY.** Contractor warrants that the Goods and Services will conform to the requirements of this Contract. Additionally, Contractor warrants that all Services will be performed in a good, workman-like and professional manner. The Town's acceptance of Goods or Services provided by Contractor shall not relieve Contractor from its obligations under this warranty. If any Goods or Services are of a substandard or unsatisfactory manner as determined by the Town, Contractor, at no additional charge to the Town, will provide Goods or redo such Services until they are in accordance with this Contract and to the Town's reasonable satisfaction. Unless otherwise agreed, Contractor, warrants that Goods will be new, unused, of most current manufacture and not discontinued, will be free of defects in materials and workmanship, will be provided in accordance with manufacturer's standard warranty for at least one (1) year, unless otherwise specified, and will perform in accordance with manufacturer's published specifications.
14. **PURCHASING POLICY.** The Town of Florence Town Code and Purchasing Policy (the "Policy") govern this procurement and are incorporated as part of this Contract by this reference. Contractor agrees and warrants that it is in compliance with the Policy, including demonstrating its lawful presence in the United States.
15. **GOVERNING LAW.** This Contract shall be deemed to be made under, shall be construed in accordance with, and shall be governed by the laws of the State of Arizona, without reference to choice of law or conflicts of laws principles thereof.

The exclusive forum selected for any proceeding or suit in law or equity arising from or incident to this Contract shall be Pinal County, Arizona.

16. **PROHIBITED BOYCOTT.** Pursuant to A.R.S. section 35-393.01, the Contractor, by execution of this Contract, certifies that it is not currently engaged in, and agrees for the duration of this Contract to not engage in, a boycott of Israel.

IN WITNESS WHEREOF, the Parties have executed this Contract effective as of the Effective Date set forth above.

TOWN OF FLORENCE, A municipal corporation

By: _____
Tara Walter, Mayor

Date: _____

ATTEST:

Lisa Garcia, Town Clerk

Approved as to Form:

Clifford L. Mattice, Town Attorney

CONTRACTOR

By: _____

Date: _____

Its: _____

EXHIBIT 1

VENDOR NO. 3074727
FWC SUPPLY LLC
4863 E INGRAM
MESA AZ 85205-3212



CITY OF PHOENIX

Buyer Contact: Chuck Garvey
Telephone: 602-261-8668
E-mail: chuck.garvey@phoenix.gov

CONTRACT

Contract Title: Water Elbows, Fittings, Pipe, Shafts, Flanges, Nipples, Bushings, Reducers, Clamps, Stops,
Smart No. PHX-16-D-ZGEN-84-000275
Contract No. 4701002106
Contract Start Date: 07/02/2015
Contract Validity End Date: 06/30/2016
Last Option End Date: 06/30/2020
Payment Terms: Net 30 Days
Delivery Terms: FOB Destination

Page 1 / 3

Item	Description
1	COUPLING STRAIGHT 3/4" COPPER X 3/4" COP Product Category: 659330000 Product Category Text: Couplings Supplier Part No. E2609-34 Material No. 65933701024 Unit Price: 11.22
2	COUPLING STRAIGHT 1" COPPER X COPPER Product Category: 659330000 Product Category Text: Couplings Supplier Part No. E2609-1 Material No. 65933701123 Unit Price: 12.24
3	COUPLING STRAIGHT 3/4" F. COPPER THD TO Product Category: 659330000 Product Category Text: Couplings Supplier Part No. E2623-34 Material No. 65933722020 Unit Price: 10.46
4	COUPLING STRAIGHT 1" F. COPPER THD TO CO Product Category: 659330000 Product Category Text: Couplings Supplier Part No. E2623-1 Material No. 65933722129 Unit Price: 15.38
5	COUPLING STRAIGHT 3/4" F.I.P. X COPPER C Product Category: 659330000 Product Category Text: Couplings Supplier Part No. E2607-34 Material No. 65933215108 Unit Price: 9.85

The Contractor is now bound to sell the materials or services listed in the attached contract, including all terms, conditions, specifications, addenda, amendments, etc. and Contractor's Offer as accepted by the City.

This contract shall henceforth be referred to as the number above. Contractor has been cautioned not to commence any billable work or provide any service or material under this contract until Contractor receives a purchase order.

Have questions about doing business with the City of Phoenix? Visit our Procurement website at www.phoenix.gov/finance/procurement

For specific information regarding contract opportunities with the City of Phoenix, please visit our Open Solicitations website at www.phoenix.gov/solicitations

VENDOR NO. 3074727
FWC SUPPLY LLC
4863 E INGRAM
MESA AZ 85205-3212



CITY OF PHOENIX

CONTRACT

Contract Title: Water Elbows, Fittings, Pipe, Shafts,
Flanges, Nipples, Bushings, Reducers, Clamps,
Stops,
Smart No. PHX-16-D-ZGEN-84-000275

Page 2 / 3

Item	Description
6	COUPLING STRAIGHT 3/4" FEMALE COPPER THR Product Category: 659330000 Product Category Text: Couplings Supplier Part No. E2623-34 Material No. 65933764022 Unit Price: 10.46
7	COUPLING STRAIGHT 1" M.I.P. BY COPPER CO Product Category: 659330000 Product Category Text: Couplings Supplier Part No. E2605-1 Material No. 65933743125 Unit Price: 10.87
8	COUPLING STRAIGHT 1" M.I.P. THREAD TO 1" Product Category: 659330000 Product Category Text: Couplings Supplier Part No. E2606-1 Material No. 65933323258 Unit Price: 16.61
9	STOP FLANGED ANGLE METER 1 1/2" Product Category: 670640000 Product Category Text: Supplies and Stops Supplier Part No. E4205-112 Material No. 67064916264 Unit Price: 113.90
10	STOP FLANGED ANGLE METER 2" Product Category: 670640000 Product Category Text: Supplies and Stops Supplier Part No. E4205-2 Material No. 67064917270 Unit Price: 146.24
11	STOP ANGLE METER 1" PACK JOINT (CTS) Product Category: 670640000 Product Category Text: Supplies and Stops Supplier Part No. E1527SN-1 Material No. 67064916231 Unit Price: 27.24
12	STOP CURB 3/4" FEMALE INLET AND OUTLET I Product Category: 670640000 Product Category Text: Supplies and Stops Supplier Part No. E1900-34 Material No. 67064907008 Unit Price: 31.91
13	STOP CURB 1" FEMALE INLET AND OUTLET I.P Product Category: 670640000 Product Category Text: Supplies and Stops Supplier Part No. E1900-1 Material No. 67064907057 Unit Price: 49.59

VENDOR NO. 3074727
FWC SUPPLY LLC
4863 E INGRAM
MESA AZ 85205-3212



CITY OF PHOENIX

CONTRACT

Contract Title: Water Elbows, Fittings, Pipe, Shafts,
Flanges, Nipples, Bushings, Reducers, Clamps,
Stops,
Smart No. PHX-16-D-ZGEN-84-000275

Page 3 / 3

Item	Description
14	SADDLE DOUBLE STRAP BRONZE 3" A.C. X3/4" Product Category: 659730000 Product Category Text: Saddles,Sleeve,Strap Supplier Part No. DR2A0356CC075 Material No. 65973822011 Unit Price: 17.63
15	SADDLE DOUBLE STRAP BRONZE 3" A.C. X 1" Product Category: 659730000 Product Category Text: Saddles,Sleeve,Strap Supplier Part No. DR2A0356CC100 Material No. 65973822110 Unit Price: 17.63
16	SADDLE DOUBLE STRAP BRONZE 4" A.C.X 3/4" Product Category: 659330000 Product Category Text: Couplings Supplier Part No. J979-4x3/4 Material No. 65933822218 Unit Price: 58.03
17	SADDLE DOUBLE STRAP BRONZE 4" A.C.X 1" Product Category: 659730000 Product Category Text: Saddles,Sleeve,Strap Supplier Part No. J979-4x1 Material No. 65973822318 Unit Price: 58.03
18	SADDLE DOUBLE STRAP BRONZE 4" A.C.X 3/4" Product Category: 659330000 Product Category Text: Couplings Supplier Part No. J979-6x3/4 Material No. 65933822218 Unit Price: 68.37
19	SADDLE DOUBLE STRAP BRONZE 4" A.C.X 1" Product Category: 659730000 Product Category Text: Saddles,Sleeve,Strap Supplier Part No. J979-6x1 Material No. 65973822318 Unit Price: 68.37
20	COUPLING STRAIGHT WATER METER 3/4" MACHI Product Category: 659330000 Product Category Text: Couplings Supplier Part No. E130-34x2-1/2 Material No. 65933122007 Unit Price: 6.47

FORM A - OFFEROR IDENTIFICATION (DO NOT handwrite this Form. Information must be typed in.)				InvitationNo.: IFB15-158	
InvitationTitle:	WATER ELBOWS, FITTINGS, PIPE, SHAFTS, FLANGES, NIPPLES, BUSHINGS, REDUCERS, CLAMPS, STOPS, CONVERSIONS TEES, RESETTERS, COUPLINGS AND MISCELLANEOUS ITEMS - REQUIREMENTS CONTRACT		ADDENDUM01		
Offeror Company:	FWC Supply LLC <small>(Legal name of business which will appear on contract, if awarded)</small>				
Offeror Status:	<input type="checkbox"/> Manufacturer	<input checked="" type="checkbox"/> Dealer/Distributor	<input type="checkbox"/> Other		
Mailing Address:	27 W. Baseline Rd	Gilbert	Arizona 85233		
	Street/PO Box	City	State & Zip		
Physical Address:	Same				
	Street	City	State & Zip		
Phone:	480-625-5537	Fax:	480-813-2350		
Payment Terms					
PaymentTerms:	0 %	Days	0	Net Days	30
	Prompt payment discount to apply after receipt of invoice or final acceptance of the products or services whichever is later. If no prompt payment discount is offered, enter 0 in the % space to indicate net 30 days, otherwise payment terms shall be 2% 20 days, net 30 days; effective after receipt of invoice or final acceptance of the products, whichever is later. Payment terms offering less than 20 days will not be considered in the price evaluation of your response. <u>Any prompt payment terms offered must be clearly noted by the Contractor on all invoices submitted to the City for the payment of goods or services received.</u>				

FORM B - ANNUAL COST (DO NOT *handwrite this Form. Information must be typed in.*) Invitation No.: **IFB15-158**

WATER ELBOWS, FITTINGS, PIPE, SHAFTS, FLANGES, NIPPLES, BUSHINGS, REDUCERS, CLAMPS, STOPS, CONVERSIONS TEES, RESETTERS, COUPLINGS AND MISCELLANEOUS ITEMS - REQUIREMENTS CONTRACT

ADDENDUM 01

This *FORM* is provided to help insure that all required Response elements have been completed and included, or certified as being available upon request. **Responses that do not comply with all requirements may be considered non-compliant.** Offeror's signatory must review each item below, and certify by initialing in the space to the right.

Note: Offeror shall not modify this form in any way other than inputting their name and prices. All items listed below are to be considered as for purposes of this Invitation and any subsequent contract. Offeror shall determine which unit to offer and shall fill in the City price in the appropriate cell. Unless shown otherwise in this or any other City specification document, all delivery charges shall be priced herein to include as priced.

City Stock Number	Description	Unit	Quantity	Price	Current Manufacturer and Product Number	Offeror's Part Number	Offeror's Manufacturer Part Number	Total	Group
65941301262	Street elbow, brass, 1-1/2 inch, 90 degree.	EA	200	\$ 17.34	W4/212-015NL	MATCO-NORCA	507-2-112	\$ 3,467.06	I
65941465141	Elbow 90 degree 1 1/2 inch brass.	EA	50	\$ 12.36	W4/206-015NL	MATCO-NORCA	507-112.	\$ 617.94	I
65941364252	Elbow 90 degree 1 inch copper compression to 1 inch F.I.P. thread.	EA	100	\$ 24.74	Ford/L14-44NL	JAMES JONES	E2621-1	\$ 2,474.19	I
65941465166	Elbow 90 degree 2 inch brass.	EA	150	\$ 20.12	W4/206.020NL	MATCO-NORCA	507-2	\$ 3,017.47	I
65941301304	Street elbow, 90 degree 2 inch brass.	EA	150	\$ 29.39	W4/212-020NL	MATCO-NORCA	507-2-2	\$ 4,409.12	I
	8" Elbow steel STD, LR, Weld 90	EA	1	\$ -				\$ -	I
	6" Elbow steel GRVD, 90	EA	1	\$ -				\$ -	I
	4" Elbow steel STD, Short Radius 90	EA	1	\$ -				\$ -	I
	4" Elbow steel STD, LR, Weld 45	EA	1	\$ -				\$ -	I
	3" Elbow Copper	EA	1	\$ 25.96		ELKHART	607-3	\$ 25.96	I
	2" Elbow Carbon Steel STD, LR, Weld 90	EA	1	\$ -				\$ -	I
	2" Street Elbow T-316 SS, 150#	EA	3	\$ -				\$ -	I
65941313002	Elbow, 1-1/2 inch, compression to compression, copper tubing size.	EA	220	\$ 60.11	AY McDonald 4761-22	JAMES JONES	E2611-112	\$ 13,223.66	II
65941313051	Elbow, 2-inch, compression to compression, copper tubing size.	EA	525	\$ 109.45	AY McDonald 4761-22	JAMES JONES	E2611-2	\$ 57,462.10	II
65941313200	Elbow, coupling, 3/4 inch, M.I.P. threaded to copper compression.	EA	4000	\$ 12.71	AY McDonald 74779M-22 3/4	JAMES JONES	E2619-34	\$ 50,838.71	II
65941313309	Elbow, coupling, 1-inch, M.I.P. threaded to copper compression.	EA	500	\$ 19.82	AY McDonald 4779M-22	JAMES JONES	E2619-1	\$ 9,908.60	II
67052328001	Elbow, coupling, 3/4 inch, F.I.P. threaded to copper compression.	EA	400	\$ 17.04	AY McDonald 74779-22 3/4	JAMES JONES	E2621-34	\$ 6,817.20	II

City Stock Number	Description	Unit	Quantity	Price	Current Manufacturer and Product Number	Offeror's Part Number	Offeror's Manufacturer Part Number	Total	Group
								\$ -	
65933701024	Straight coupling, 3/4 inch, copper compression, both ends	EA	1500	\$ 11.22	Mueller H 15403	JAMES JONES	E2609-34	\$ 16,822.58	III
65933701123	Straight coupling, 1-inch, copper compression, both ends.	EA	300	\$ 12.24	Mueller H 15403	JAMES JONES	E2609-1	\$ 3,670.97	III
65933722020	Straight coupling, 3/4 inch, F. copper thread to copper compression.	EA	400	\$ 10.46	Mueller H 15071	JAMES JONES	E2623-34	\$ 4,184.95	III
65933722129	Straight coupling, 1-inch, F. copper thread to copper compression.	EA	80	\$ 15.38	Mueller H 15071	JAMES JONES	E2623-1	\$ 1,230.11	III
65933743026	Straight coupling, 3/4 inch, M.I.P. by copper.	EA	1250	\$ 9.18	Mueller H 15428	JAMES JONES	E2605-34	\$ 11,478.49	III
65933215108	Straight coupling, 3/4 inch F.I.P. by copper compression.	EA	100	\$ 9.85	Mueller H 15451	JAMES JONES	E2607-34	\$ 984.95	III
65933764022	Straight coupling, 3/4 inch, Female copper thread to 3/4 inch polyethylene compression plastic tubing.	EA	100	\$ 10.46	Mueller H 15071	JAMES JONES	E2623-34	\$ 1,046.24	III
67052312500	Straight coupling, 2-inch, F.I.P. X copper tubing size.	EA	250	\$ 45.76	Mueller H 15451	JAMES JONES	E2607-2	\$ 11,440.86	III
67052323507	Straight coupling, 1-1/2 inch, M.I.P. X copper tubing size.	EA	230	\$ 30.03	Mueller H 15428	JAMES JONES	E2605-112	\$ 6,907.42	III
67052323754	Straight coupling, 2-inch, M.I.P. X copper tubing size.	EA	400	\$ 43.74	Mueller H 15428	JAMES JONES	E2605-2	\$ 17,496.77	III
67052334009	Straight coupling, 1-1/2 inch, copper tubing size (both ends)	EA	500	\$ 43.14	Mueller H 15403	JAMES JONES	E2609-112	\$ 21,569.89	III
67052334306	Straight coupling, 2-inch, copper tubing size (both ends).	EA	900	\$ 58.26	Mueller H 15403	JAMES JONES	E2609-2	\$ 52,432.26	III
67052349007	Straight coupling, 3/4 inch, copper to P.E. pipe with inserts.	EA	450	\$ 25.48	Mueller H 15409	JAMES JONES	E2612SGP-34	\$ 11,467.74	III
67052349205	Straight coupling, 1-inch, plastic tubing to P.E. pipe.	EA	130	\$ 31.60	Mueller H 15409	JAMES JONES	E2612SGP-1	\$ 4,108.28	III
67052312005	Straight coupling 1-1/2 inch female iron pipe thread x 1 1/2 inch copper.	EA	100	\$ 38.40	Mueller H 15451	JAMES JONES	E2607-112	\$ 3,839.78	III
65941344007	Straight coupling 1 inch copper compression x F.I.P. thread.	EA	125	\$ 14.09	Mueller H 15451	JAMES JONES	E2607-1	\$ 1,760.75	III
65933743125	Straight coupling 1 inch M.I.P. x copper compression.	EA	350	\$ 10.87	Mueller H 15428	JAMES JONES	E2605-1	\$ 3,804.84	III
65933323258	Straight coupling 1 inch M.I.P. thread x 1 inch polyethylene pipe compression.	EA	50	\$ 16.61	Mueller H 15429	JAMES JONES	E2606-1	\$ 830.65	III
67052212007	Flexible Coupling, 2inch 2.375 O.D.	EA	120	\$ 14.73	Ford FC3-084-5	JCM	201-008401	\$ 1,767.27	IV
65933202106	Flexible Coupling, 2-1/2", 2.875 O.D.	EA	600	\$ 37.80	Ford FC 3-105-5	JCM	201-028801	\$ 22,677.27	IV
65933202155	Flexible Coupling, 3" std. 3.500 O.D.	EA	235	\$ 16.98	Ford FC 3-132-5	JCM	201-013201	\$ 3,989.66	IV
65933202205	Flexible Coupling, 3" C.I., 3.8 to 3.96 O.D	EA	100	\$ 17.83	Ford FC 3-166-5	JCM	201-016601	\$ 1,782.95	IV
65933202304	Flexible coupling, 1-1/2 inch, 1.900 O.D.	EA	150	\$ 21.31	Ford FC 3-190-5	JCM	201-019001	\$ 3,196.02	IV
65933202353	Flexible coupling, 2-inch, 2.375 O.D.	EA	350	\$ 32.56	Ford FC 3-238-5	JCM	201-023801	\$ 11,394.89	IV
67052212403	Flexible coupling, 2-1/2 inch, 2.875 O.D.	EA	30	\$ 37.80	Ford FC 3-288-5	JCM	201-028801	\$ 1,133.86	IV
65933202502	Flexible coupling, 3-inch, Std., 3.500 O.D.	EA	10	\$ 51.78	Ford FC 3-350-5	JCM	201-035001	\$ 517.84	IV
65933154059	Flexible coupling, 3-inch, C.I., 3.8 to 3.96 O.D.	EA	60	\$ 42.94	Ford FC 2A-388-406	JCM	210-0396	\$ 2,576.59	IV
65933101167	Flexible coupling, 3-inch, A.C., 3.97 to 4.14 O.D.	EA	12	\$ 42.94	Ford FC 2A-406-420	JCM	210-0414	\$ 515.32	IV
65933154109	Flexible coupling, 4-inch, C.I., 4.8 to 5.0 O.D.	EA	250	\$ 56.09	Ford FC 2A-510-510	JCM	210-0535	\$ 14,022.73	IV
65933101266	Flexible coupling, 4-inch, A.C., 5.11 to 5.45 O.D.	EA	36	\$ 63.51	Ford FC 2A-557-557	JCM	210-0545	\$ 2,286.41	IV

City Stock Number	Description	Unit	Quantity	Price	Current Manufacturer and Product Number	Offeror's Part Number	Offeror's Manufacturer Part Number	Total	Group
65933202601	Flexible coupling 4 inch Std., 4.500 O.D.	EA	50	\$ 49.88	Ford FC 1-480-480	JCM	210-0450	\$ 2,493.75	IV
65933101365	Flexible coupling, 6-inch, C.I., 6.90 to 7.22 O.D.	EA	2300	\$ 71.63	Ford FC 1-720-720	JCM	210-0690	\$ 164,737.50	IV
65933154158	Flexible coupling, 6 inch A.C. 7.19 to 7.45 OD	EA	50	\$ 73.31	Ford FC 2A-756-756	JCM	210-0740	\$ 3,665.34	IV
67052154209	Flexible coupling, 8-inch, A.C., 9.30 to 9.50 O.D	EA	20	\$ 103.89	Ford FC 2A-940-974	JCM	210-0960	\$ 2,077.73	IV
67052253001	Flexible coupling, Transition, 8-inch, A.C., 9.30 to 9.50 O.D. to 8-inch C.I., 8.60 to 9.60 O.D.	EA	300	\$ 113.45	Ford FC 2A-8	JCM	212-0960-0905	\$ 34,036.36	IV
65933101464	Flexible coupling, 8-inch, C.I., 9.60 to 9.60 O.D.	EA	90	\$ 103.89	Ford FC 2A-974-974	JCM	210-0960	\$ 9,349.77	IV
6752101564	Flexible coupling, 10-inch, A.C., 11.95 O.D.	EA	10	\$ 146.44	Ford FC 2A-1212-1212	JCM	210-1200	\$ 1,464.43	IV
67052154308	Flexible coupling, 10-inch, C.I., 11.10 O.D.	EA	10	\$ 139.99	Ford FC 1-1446-1446	JCM	210-1110	\$ 1,399.89	IV
67052154506	Flexible coupling, 12-inch, C.I., 13.20 O.D.	EA	25	\$ 155.24	Ford FC 1-1356-1356	JCM	210-1320	\$ 3,880.97	IV
65933101670	Flexible coupling, 12-inch, A.C., 14.21 O.D.	EA	10	\$ 165.73	Ford FC 2A-1438-1438	JCM	210-1420	\$ 1,657.27	IV
67052264008	Flexible coupling, transition, 12-inch, A.C., 14.21 O.D. to 12 inch C.I., 13.20 O.D.	EA	90	\$ 184.42	Ford FC 2A-1350-1438	JCM	212-1420-1320	\$ 16,597.84	IV
65933101803	Water meter coupling, flexible, bronze, size: 1-1/2 inch, flanged.	EA	100	\$ 54.32	Ford CF 34-66	MUELLER	P10127-112	\$ 5,432.26	V
67031101800	Water meter coupling, flexible, bronze, size: 1-1/2 inch, flanged.	EA	100	\$ -	Ford CF 35-66			\$ -	V
65933101878	Water meter coupling, flexible, bronze, size: 2-inch, flanged.	EA	150	\$ -	Ford CF 35-77			\$ -	V
65944526758	Bronze meter flange, 1-1/2 inch, F.I.P. thread, with gasket.	EA	250	\$ 27.53	Ford CF 31-66	JAMES JONES	E129-112	\$ 6,881.72	V
65944526857	Bronze meter flange, 2-inch, F.I.P. thread, with gasket.	EA	300	\$ 35.92	Ford CF 31-77	JAMES JONES	E129-2	\$ 10,777.42	V
67052123006	Coupling, water meter, straight, 3/4 inch ribbed tailpiece.	EA	3650	\$ 6.37	Ford C38.23.2-5	JAMES JONES	E130-34x2-1/2	\$ 23,234.41	V
67052124004	Coupling, water meter, straight, 1-inch, ribbed tailpiece.	EA	1600	\$ 9.78	Ford C38.44.2.625	JAMES JONES	E130-1x2-5/8	\$ 15,655.91	V
67064916264	Flanged angle meter stop, 1-1/2 inch.	EA	300	\$ 113.90	Ford FV43-666W	JAMES JONES	E4205-112	\$ 34,170.97	V
67064917270	Flanged angle meter stop, 2-inch.	EA	530	\$ 146.24	Ford FV43-777W	JAMES JONES	E4205-2	\$ 77,505.38	V
67064916225	Angle meter stop 3/4 inch.	EA	750	\$ 20.28	Ford KV43-332W	JAMES JONES	E1527SN-34	\$ 15,209.68	V
67064916231	Angle meter stop 1 inch.	EA	500	\$ 27.24	Ford KV43-444W	JAMES JONES	E1527SN-1	\$ 13,618.28	V
67064752008	Corporation stop, 1-1/2 inch Inlet, I.P.T. outlet, copper tubing size.	EA	160	\$ 91.34	Mueller B 25028	JAMES JONES	E1935-112	\$ 14,615.05	VI
67064752107	Corporation stop, 2-inch Inlet, I.P.T. outlet, copper tubing size.	EA	320	\$ 151.06	Mueller B 25028	JAMES JONES	E1935-2	\$ 48,340.65	VI
67064803009	Corporation stop, 3/4 inch, I.P. x I.P.	EA	140	\$ 29.13	Mueller H 10013	JAMES JONES	E1943-34	\$ 4,078.06	VI
67064905259	Corporation stop, 3/4 inch, CST inlet by copper outlet	EA	1300	\$ 22.88	Mueller H 15008	JAMES JONES	E3401-34	\$ 29,746.24	VI
67064854127	Corporation stop 1 inch inlet, corporation stop thread x 1 inch copper.	EA	600	\$ 32.23	Mueller H 15008	JAMES JONES	E3401-1	\$ 19,335.48	VI
67064803058	Corporation stop 1 inch M.J.P. thread x 1 inch M.I.P. thread.	EA	50	\$ 40.16	Mueller H 10013	JAMES JONES	E1943-1	\$ 2,008.06	VI
67064907008	Curb stop, 3/4 inch, female inlet and outlet, I.P. thread.	EA	5800	\$ 31.91	Mueller 10914	JAMES JONES	E1900-34	\$ 185,101.08	VII

City Stock Number	Description	Unit	Quantity	Price	Current Manufacturer and Product Number	Offeror's Part Number	Offeror's Manufacturer Part Number	Total	Group
67064907057	Curb stop, 1-inch, female inlet and outlet, I.P. thread.	EA	725	\$ 49.59	Mueller 10914	JAMES JONES	E1900-1	\$ 35,953.76	VII
67064907107	Curb stop, 1-1/2 inch, female inlet and outlet, I.P. thread.	EA	200	\$ 102.31	Mueller 10914	JAMES JONES	E1900-112	\$ 20,462.37	VII
67064907156	Curb stop, 2-inch, female inlet and outlet, I.P. thread.	EA	400	\$ 149.72	Mueller 10914	JAMES JONES	E1900-2	\$ 59,888.17	VII
				\$ -				\$ -	
67070010243	Gate valve, bronze, 2-inch, non-rising stem, 125 lb., screwed end.	EA	70	\$ 184.65	AY McDonald 2035T	MUELLER	010914-2	\$ 12,925.16	VIII
67070010276	Gate valve, bronze, 2-1/2 inch, non-rising stem, 125 lb., screwed end.	EA	60	\$ 415.02	AY McDonald 2035T	MUELLER	010914-212	\$ 24,901.29	VIII
67070010128	Valve gate bronze 3/4" non rising stem f.i.p. thread.	EA	70	\$ 66.43	AY McDonald 2035T	MUELLER	010914-34	\$ 4,650.11	VIII
89045683706	Conversion assembly, 3/4 inch.	EA	1950	\$ -	Ford A95016			\$ -	IX
89045683805	Conversion assembly, 1-inch.	EA	180	\$ -	Ford A9017			\$ -	IX
65933893698	Coupling Calder 4" with shear ring-Joints Inc. (no alternate) Joints C-106	EA	200	\$ -	Joints Inc. C-106			\$ -	X
65933894050	Coupling Calder 6" with shear ring for vitrified pipe – Joints Inc. (no alternate)	EA	180	\$ -	Joints Inc. C-102 WG			\$ -	X
65933893961	Coupling Calder 8" with shear ring – Joints Inc. (no alternate)	EA	450	\$ -	Joints Inc. C-100 WG			\$ -	X
65965894143	Reducer: Calder Coupling 4"x 6" – Joints Inc.	EA	50	\$ -	Joints Inc. C-110			\$ -	X
65973822011	Saddle double strap, bronze, 3-inch, A.C., 4.13 OD x 3/4 inch C.S.T.	EA	80	\$ 17.63	Mueller DR2A	MUELLER	DR2A0356CC075	\$ 1,410.75	XI
65973822110	Saddle double strap, bronze, 3-inch, A.C. 4.13 OD x 1-inch C.S.T.	EA	4	\$ 17.63	Mueller DR2A	MUELLER	DR2A0356CC100	\$ 70.54	XI
65973843017	Saddle double strap, bronze, 3-inch A.C. 4.13 OD x 2-inch C.S.T.	EA	25	\$ 29.49		JCM	402-0413x2	\$ 737.37	XI
65933822218	Saddle double strap, bronze, 4-inch A.C. 5.10 OD x 3/4 inch C.S.T.	EA	300	\$ 58.03	Mueller BR2B	JAMES JONES	J979-4x3/4	\$ 17,409.68	XI
65973822318	Saddle double strap, bronze, 4-inch A.C. 5.10 OD x 1-inch C.S.T.	EA	40	\$ 58.03	Mueller BR2B	JAMES JONES	J979-4x1	\$ 2,321.29	XI
65973843116	Saddle double strap, bronze, 4-inch A.C. 5.10 OD x 2-inch I.P.T.	EA	35	\$ 73.67	Mueller BR2B	JAMES JONES	J979-4x2	\$ 2,578.33	XI
65973822417	Saddle double strap, bronze, 6-inch A.C. 7.20 OD x 3/4 inch C.S.T.	EA	675	\$ 68.37	Mueller BR2B	JAMES JONES	J979-6x3/4	\$ 46,146.77	XI
65973822516	Saddle double strap, bronze, 6-inch A.C. 7.20 OD x 1-inch C.S.T.	EA	110	\$ 68.37	Mueller BR2B	JAMES JONES	J979-6x1	\$ 7,520.22	XI
65973843215	Saddle double strap, bronze, 6-inch A.C. 7.20 OD x 1-1/2 inch I.P.T.	EA	20	\$ 78.15	Mueller BR2B	JAMES JONES	J979-6x1-1/2	\$ 1,563.01	XI
65973843314	Saddle double strap, bronze, 6-inch A.C. 7.20 OD x 2-inch I.P.T.	EA	96	\$ 85.87	Mueller BR2B	JAMES JONES	J979-6x2	\$ 8,243.61	XI
65973822615	Saddle double strap, bronze, 8-inch A.C. 9.40 OD x 3/4 inch C.S.T.	EA	150	\$ 84.59	Mueller BR2B	JAMES JONES	J979-8x3/4	\$ 12,688.71	XI
65973822714	Saddle double strap, bronze, 8-inch A.C. 9.40 OD x 1-inch C.S.T. 65973843413	EA	95	\$ 84.59	Mueller BR2B	JAMES JONES	J979-8x1	\$ 8,036.18	XI
65973843413	Saddle double strap, bronze, 8-inch A.C. 9.40 OD x 1-1/2 inch I.P.T.	EA	30	\$ 89.06	Mueller BR2B	JAMES JONES	J979-8x1-1/2	\$ 2,671.94	XI
65973843512	Saddle double strap, bronze, 8-inch A.C. 9.40 OD x 2-inch I.P.T.	EA	120	\$ 96.96	Mueller BR2B	JAMES JONES	J979-8x2	\$ 11,634.84	XI
65973801015	Saddle double strap bronze, 10 inch C.I. 11.10 OD x 2 inch I.P.T.	EA	25	\$ 123.61	Mueller BR2B	JAMES JONES	J979-10x2	\$ 3,090.32	XI
65973822813	Saddle double strap, bronze, 12-inch A.C. 14.21 OD x 3/4 inch C.S.T.	EA	25	\$ 122.65	Mueller BR2B	JAMES JONES	J979-12x3/4	\$ 3,066.13	XI

City Stock Number	Description	Unit	Quantity	Price	Current Manufacturer and Product Number	Offeror's Part Number	Offeror's Manufacturer Part Number	Total	Group
65973822912	Saddle double strap, bronze, 12-inch A.C. 14.21 OD x 1 inch C.S.T.	EA	45	\$ 122.65	Mueller BR2B	JAMES JONES	J979-12x1	\$ 5,519.03	XI
65973843611	Saddle double strap, bronze, 12-inch A.C. 14.21 OD x 2 inch I.P.T.	EA	80	\$ 140.84	Mueller BR2B	JAMES JONES	J979-12x2	\$ 11,267.10	XI
65973885216	Saddle single strap ductile iron 2 inch STD. 2.38 OD x 1 inch C.S.T.	EA	10	\$ 22.31	Mueller DR1S	MUELLER	DR1S0235CC100	\$ 223.12	XI
65973885117	Saddle single strap ductile iron 2 inch STD. 2.38 OD x ¾ inch C.S.T.	EA	50	\$ 22.31	Mueller DR1S	MUELLER	DR1S0235CC075	\$ 1,115.59	XI
65973885612	Saddle single strap ductile iron 3 inch STD. 3.50 OD x 1 inch C.S.T.	EA	10	\$ 23.23	Mueller DR1S	MUELLER	DR1S0356CC100	\$ 232.26	XI
67052231049	Clamp repair, ¾ inch, Standard, 1.050 OD x 3-inch wide	EA	350	\$ 4.53	Smith Blair 245	MUELLER	210-03-0105	\$ 1,584.41	XII
67052231080	Clamp repair, 1-inch, Standard, 1.315 OD x 3-inch wide	EA	190	\$ 4.95	Smith Blair 245	MUELLER	210-03-0131	\$ 939.78	XII
67052231122	Clamp repair, 1-1/4 inch, Standard, 1.660 OD x 3-inch wide	EA	20	\$ 5.09	Smith Blair 245	MUELLER	210-03-0166	\$ 101.72	XII
67052231163	Clamp repair, 1-1/2 inch, Standard, 1.900 OD x 3-inch wide	EA	140	\$ 5.46	Smith Blair 245	MUELLER	210-03-0190	\$ 764.73	XII
67052231205	Clamp repair, 2-inch, Standard, 2.375 OD x 3-inch wide	EA	360	\$ 5.98	Smith Blair 245	MUELLER	210-03-0237	\$ 2,152.26	XII
37052231221	Clamp repair, 2-inch, Standard, 2.375 OD x 6-inch wide	EA	150	\$ 10.80	Smith Blair 245	MUELLER	210-06-0237	\$ 1,619.35	XII
67052231239	Clamp repair, 2-inch, Standard, 2.375 OD x 9-inch wide	EA	40	\$ 16.57	Smith Blair 245	MUELLER	210-09-0237	\$ 662.80	XII
67052231254	Clamp repair, 2-1/2 inch, Standard, 2.875 OD x 9-inch wide	EA	40	\$ 22.18	Smith Blair 245	MUELLER	210-09-0287	\$ 887.31	XII
67052231270	Clamp repair, 3-inch, Standard, 3.500 OD x 9-inch wide	EA	12	\$ 25.99	Smith Blair 245	MUELLER	210-09-0350	\$ 311.87	XII
67052205027	Clamp Repair stainless 3 inch tapped with ¾" C.C., third tapping boss.	EA	50	\$ 65.34	Smith Blair 264	MUELLER	522-06-0346	\$ 3,267.20	XII
67052204004	Clamp repair, tapped, 8-inch with ¾ inch tapping boss. OD 8.62 - 9.42 x 7.5 inch wide.	EA	20	\$ 91.16	Smith Blair 239	MUELLER	512-07-0862	\$ 1,823.23	XIII
67052204012	Clamp repair, tapped, 8-inch with 1-inch tapping boss. OD 8.62 - 9.42 x 7.5 inch wide.	EA	10	\$ 91.16	Smith Blair 239	MUELLER	514-07-0862	\$ 911.61	XIII
67052204020	Clamp repair, tapped, 6-inch with 1-inch tapping boss. OD 6.84 - 7.64 x 7.5 inch wide.	EA	10	\$ 82.94	Smith Blair 239	MUELLER	514-07-0675	\$ 829.35	XIII
67052204038	Clamp repair, tapped, 6-inch with ¾ inch tapping boss. OD 6.84 - 7.64 x 7.5 inch wide.	EA	75	\$ 82.94	Smith Blair 239	MUELLER	512-07-0675	\$ 6,220.16	XIII
				\$ -				\$ -	
67052105003	Clamp, full circle, 2-inch, C.I. 2.50 OD x 7.5 wide single band.	EA	10	\$ 32.17	Powerseal 3121	MUELLER	500-07-0235	\$ 321.72	XIV
67052105102	Clamp, full circle, 2-inch, C.I. 2.50 OD x 12.5 wide single band.	EA	60	\$ 50.98	Powerseal 3121	MUELLER	500-12-0235	\$ 3,058.71	XIV
67052202008	Clamp, full circle, 2-inch, A.C., 2.82 OD x 7.5 wide single band.	EA	30	\$ 32.95	Powerseal 3121	MUELLER	500-07-0270	\$ 988.39	XIV
67052202057	Clamp, full circle, 2-inch, C.I., 2.82 OD x 12.5 wide singleband.	EA	15	\$ 56.71	Powerseal 3121	MUELLER	500-12-0270	\$ 850.65	XIV
67052202107	Clamp, full circle, 2-inch, C.I., 3.17 OD x 7.5 wide single band.	EA	35	\$ 35.18	Powerseal 3121	MUELLER	500-07-0297	\$ 1,231.40	XIV
67052202156	Clamp, full circle, 2-inch, A.C., 3.17 OD x 12.5 wide single band.	EA	10	\$ 58.46	Powerseal 3121	MUELLER	500-12-0297	\$ 584.62	XIV
67052105201	Clamp, full circle, 3-inch, C.I., 3.80 OD x 7.5 wide single band.	EA	45	\$ 36.92	Powerseal 3121	MUELLER	500-07-0373	\$ 1,661.61	XIV
67052105300	Clamp, full circle, 3-inch, C.I., 3.80 OD x 12.5 wide single band.	EA	20	\$ 61.53	Powerseal 3122	MUELLER	500-12-0373	\$ 1,230.54	XIV
67052202206	Clamp, full circle, 3-inch, A.C., 4.13 OD x 7.5 wide single band.	EA	10	\$ 38.23	Powerseal 3122	MUELLER	500-07-0396	\$ 382.26	XIV
67052202305	Clamp, full circle, 4-inch, A.C., 4.74 to 5.57 OD x 7.5 wide double band.	EA	100	\$ 57.47	Powerseal 3121	MUELLER	510-07-0470	\$ 5,747.31	XIV

City Stock Number	Description	Unit	Quantity	Price	Current Manufacturer and Product Number	Offeror's Part Number	Offeror's Manufacturer Part Number	Total	Group
67052202354	Clamp, full circle, 4-inch, A.C., 4.74 to 5.57 OD x 12.5 wide double clamp.	EA	40	\$ 94.20	Powerseal 3121	MUELLER	510-12-0470	\$ 3,768.17	XIV
67052202404	Clamp, full circle, 6-inch, C.I., 6.84 to 7.64 OD x 12 wide double band.	EA	95	\$ 105.03	Powerseal 3121	MUELLER	510-12-0675	\$ 9,978.06	XIV
67052202453	Clamp, full circle, 6-inch, A.C., 6.84 to 7.64 OD x 8 wide double band.	EA	200	\$ 83.74	Powerseal 3122	MUELLER	510-09-0675	\$ 16,748.39	XIV
67052202503	Clamp, full circle, 8-inch, A.C., 8.99 to 9.79 OD x 7.5 wide double band.	EA	50	\$ 79.19	Powerseal 3122	MUELLER	510-07-0888	\$ 3,959.68	XIV
67052202552	Clamp, full circle, 8-inch, A.C., 8.99 to 9.79 OD x 12.5 wide double band.	EA	55	\$ 117.42	Powerseal 3122	MUELLER	510-12-0888	\$ 6,458.06	XIV
67052105409	Clamp, full circle, 12-inch, C.I., 13.20 OD x 15 wide double band.	EA	5	\$ 229.12	Powerseal 3122	MUELLER	510-15-1310	\$ 1,145.59	XIV
67052202602	Clamp, full circle, 12-inch, A.C., 13.50 to 14.30 OD x 16 wide double band	EA	10	\$ 229.12	Powerseal 3122	MUELLER	510-15-1310	\$ 2,291.18	XIV
				\$ -				\$ -	
65933122106	Coupling, straight smooth tailpiece, 1 inch.	EA	1500	\$ 9.96	Mueller 1H10890	JAMES JONES	E130-1x2-5/8	\$ 14,935.48	XV
65933122007	Coupling, straight smooth tailpiece, ¾ inch	EA	1500	\$ 6.47	Mueller 07H10890	JAMES JONES	E130-34x2-1/2	\$ 9,709.68	XV
				\$ -				\$ -	
67052784005	Resetter for 5/8 x 3/4 inch meter, 7-inch high valve type.	EA	2800	\$ 58.88	Muller H 14118	MUELLER	H14118-5/8x3/4x7	\$ 164,868.82	XVI
67052784054	Resetter for 5/8 x 3/4 inch meter, 12-inch high valve type.	EA	300	\$ 63.76	Muller H 14118	MUELLER	H14118-5/8x3/4x12	\$ 19,129.03	XVI
67052784085	Resetter for 1½ inch meter, 15 inches high Ford VV4615.	EA	100	\$ 826.20	Muller H 14124	MUELLER	H14124-1-1/2x15	\$ 82,620.43	XVI
67052784090	Resetter for 2 inch meter, 14 inches high Ford VV47-14.	EA	100	\$ 870.52	Muller H 14124	MUELLER	H14124-2x14	\$ 87,051.61	XVI
67052784070	Resetter for 1 inch x 1 inch meter, 12 inch high valve type.	EA	100	\$ 118.55	Muller H 14118	MUELLER	H14118-1x12	\$ 11,854.84	XVI
67052784104	Resetter for 5/8 inch x ¾ inch meter, 15 inch high valve type.	EA	45	\$ 66.81	Muller H 14118	MUELLER	H14118-5/8x3/4x15	\$ 3,006.29	XVI
65954305754	Cast Iron Offset, 8 inch by 12 inch drop, MJ by PE (with a	EA	100	\$ 249.02	Sigma	SIGMA	MJOP0812	\$ 24,902.35	XVII
65906403004	Adapter flange coupling, 3 inch cast iron mechanical joint x flanged, with accessories, outside diameter 3.74	EA	100	\$ 81.23	Smith Blair 912	JCM	301-0396	\$ 8,122.58	XVII
65906406007	Adapter flange coupling, 6 inch cast iron mechanical joint x flanged, with accessories, outside diameter 6.84	EA	100	\$ 134.55	Smith Blair 912	JCM	301-0690	\$ 13,454.84	XVII
65906112001	Adapter flexible coupling 4" cast iron, Ford #FFCA range 4.70 - 4.91.	EA	50	\$ 107.48	Smith Blair 912	JCM	301-0480	\$ 5,374.19	XVII
67052930905	Clamp bell joint leak 12" C.I.P.	EA	10	\$ 240.86	Smith Blair 274	JCM	103-1320	\$ 2,408.60	XVII
72084023265	Coupling Maxift 6"	EA	400	\$ 103.70	Smith Blair 461	MUELLER	MRC0654	\$ 41,479.57	XVII
72084023285	Coupling Maxift 8"	EA	100	\$ 123.44	Smith Blair 461	MUELLER	MRC0854	\$ 12,344.09	XVII
72084023285	2" Brass Plug, 150#, SQ HD	EA	4	\$ 9.31	Smith Blair 461	MATCO-NORCA	518-2	\$ 37.25	XVII
72084023285	6" 316 SS Cap, SCH 10	EA	3	\$ -	Smith Blair 461			\$ -	XVII
72084023285	6" Flange Adapter, 150 #	EA	1	\$ -	Smith Blair 461			\$ -	XVII
72084023285	6" ON x 6" STD Weld-O-Let	EA	1	\$ -	Smith Blair 461			\$ -	XVII
72084023285	3" Copper Union	EA	1	\$ 242.65	Smith Blair 461	ELKHART	733-3	\$ 242.65	XVII
72084023285	3" Copper Adapter, Male	EA	1	\$ 48.09	Smith Blair 461	ELKHART	604-3	\$ 48.09	XVII
72084023285	6" Steel Tee, flanged	EA	1	\$ -	Smith Blair 461			\$ -	XVII

City Stock Number	Description	Unit	Quantity	Price	Current Manufacturer and Product Number	Offeror's Part Number	Offeror's Manufacturer Part Number	Total	Group
65944903007	Gland 1100 series Megalug for 12" ductile iron pipe, with accessory kit.	EA	30	\$ 88.87	Sigma One Lok	TYLER UNION	TUFGRIP12-K	\$ 2,666.25	XVII
67052900908	Gland 1100 series Megalug for 4" ductile iron pipe, with accessory kit.	EA	120	\$ 27.63	Sigma One Lok	TYLER UNION	TUFGRIP04-K	\$ 3,315.00	XVII
67052754057	Gland 1100 series Megalug for 6" ductile iron pipe, with accessory kit.	EA	500	\$ 34.13	Sigma One Lok	TYLER UNION	TUFGRIP06-K	\$ 17,062.50	XVII
67052754107	Gland 1100 series Megalug for 8" ductile iron pipe, with accessory kit.	EA	50	\$ 46.50	Sigma One Lok	TYLER UNION	TUFGRIP08-K	\$ 2,325.00	XVII
	4" ID SCH 80 Black Iron Pipe, A106B, SMLS, PE	FT	21	\$ -	Not Available			\$ -	XVIII
	8.625" OD SCH 80 Carbon Steel Pipe, D, A252, ERW, BPE	FT	21	\$ -				\$ -	XVIII
	8.625" OD SCH 80 Carbon Steel Pipe, I, A53B, API5LB/X42	FT	420	\$ -				\$ -	XVIII
	12.75" OD XH Carbon Steel Pipe, I, A106, SMLS	FT	42	\$ -				\$ -	XVIII
	12.75" OD XH Carbon Steel Pipe, I, A53B, API5L	FT	42	\$ -				\$ -	XVIII
	24" ID SCH 40 Carbon Steel Pipe, I A53B/API5LB/X42, ERW	FT	21	\$ -				\$ -	XVIII
	6.625" OD SCH 40 Black Iron Pipe	FT	21	\$ -				\$ -	XVIII
	8.625" OD SCH 40 Black Iron Pipe	FT	21	\$ -				\$ -	XVIII
	6.625" OD SCH 40 304/304L Stainless Pipe, I, ERW, PE	FT	42	\$ -				\$ -	XVIII
	3" SCH 40 304/304L Stainless Pipe, I, ERW, PE, cut to length	FT	3	\$ -				\$ -	XVIII
	4" SCH 40 304/304L Stainless Pipe, I, ERW, PE, cut to length	FT	4	\$ -				\$ -	XVIII
	10" ID SCH 40 Black Iron Pipe, A53-B, ERW, PE	FT	10	\$ -				\$ -	XVIII
	2" ID SCH 40 Brass Pipe	FT	20	\$ -				\$ -	XVIII
	3" ID Copper Pipe, Type L Hard	FT	20	\$ -				\$ -	XVIII
	6" ID SCH 10 T-316 Stainless Welded Pipe PE	FT	60	\$ -				\$ -	XVIII
	10 In x20 Ft 0.277 Steel T&C, TBE	EA	4	\$ -				\$ -	XIX
	8 In x20 Ft 0.277 Steel T&C, 3/4 Tapered NPT	EA	15	\$ -				\$ -	XIX
	8 In x20 Ft 0.322 Steel T&C, 3/4 Tapered NPT	EA	10	\$ -				\$ -	XIX
	6 In x20 Ft 0.280 Steel T&C, Tapered Thread	EA	4	\$ -				\$ -	XIX
	8 In x5 Ft 0.277 Steel T&C, 3/16 TPR	EA	1	\$ -				\$ -	XIX
	8 In x Cut to length 0.277 Steel Butt by PE TOE	EA	1	\$ -				\$ -	XIX
	6 In x Cut to length 0.28 Steel Butt by PE TOE	EA	1	\$ -				\$ -	XIX
	2 1/2" x 1 1/2" x20', T&S, Inner RH, LH Shaft	EA	4	\$ -				\$ -	XX
	2 1/2" x 1 11/16" x20', T&S, Inner RH, LH Shaft	EA	6	\$ -				\$ -	XX
	3 1/2" x 2 3/16" x20', T&S, LH Tube and Shaft	EA	1	\$ -				\$ -	XX

City Stock Number	Description	Unit	Quantity	Price	Current Manufacturer and Product Number	Offeror's Part Number	Offeror's Manufacturer Part Number	Total	Group
	4" Type "J"	EA	10	\$ -				\$ -	XXI
	12 " Type "J"	EA	5	\$ -				\$ -	XXI
	Flange, 24 IN Steel 150#, RF/SO	EA	1	\$ -				\$ -	XXII
	Flange, 20 IN Steel 150#, RF/SO	EA	1	\$ -				\$ -	XXII
	Flange, 12 IN Steel 150#, RF/SO	EA	4	\$ -				\$ -	XXII
	Flange, 12 IN Steel 300#, FF Blind Flange	EA	2	\$ -				\$ -	XXII
	Flange, 16 IN Steel 150#, FF/SO	EA	2	\$ -				\$ -	XXII
	Flange, 16 IN Steel 150#, RF/SO	EA	2	\$ -				\$ -	XXII
	Flange, 20 IN Steel 150#, RF/SO	EA	1	\$ -				\$ -	XXII
	Flange, 24 IN Steel 150#, RF/SO	EA	1	\$ -				\$ -	XXII
	Flange, 2 1/2 In Steel 150#, RF/SO	EA	2	\$ -				\$ -	XXII
	Flange, 3 IN Steel AWWA Class-D, S/O	EA	1	\$ -				\$ -	XXII
	Flange, 4 IN Steel AWWA Class-D, S/O	EA	1	\$ -				\$ -	XXII
	Flange, 4 IN Steel 150#, Weld On flange	EA	1	\$ -				\$ -	XXII
	Flange, 6 IN Steel 150#, RF/SO	EA	9	\$ -				\$ -	XXII
	Flange, 6 IN 316 SS 150#, RF	EA	3	\$ -				\$ -	XXII
	Flange, 6 IN Steel Class D S/O	EA	1	\$ -				\$ -	XXII
	Flange, 8 IN Steel 150#, RF/SO	EA	6	\$ -				\$ -	XXII
	Nipple, 2 In x 10 In SCH 40 Steel	EA	1	\$ -				\$ -	XXIII
	Nipple, 2 In x 12 In SCH 40 Steel	EA	1	\$ -				\$ -	XXIII
	Nipple, 3 In x Closed BLK STD, TBE	EA	1	\$ -				\$ -	XXIII
	Nipple, 4 x 12 In BLK STD, TBE	EA	1	\$ -				\$ -	XXIII
	Nipple, 6 x 12 In XH BLK TBE	EA	1	\$ -				\$ -	XXIII
	Nipple, 8 x 16 In Steel PE x NPT	EA	1	\$ -				\$ -	XXIII
	Nipple, 8 5/8 x 12 In 0.500 BLK TOE x PE	EA	1	\$ -				\$ -	XXIII
	Nipple, 12 3/4 In x 4' 9-8/16 0.500 Steel I A106 SMLS BPE	EA	1	\$ -				\$ -	XXIII
	Nipple, 2 In x 6 In Length SCH 40 T-304 SS	EA	2	\$ -				\$ -	XXIII
	Nipple, 2 In x 4 In Length SCH 40 T-304 SS	EA	2	\$ -				\$ -	XXIII

City Stock Number	Description	Unit	Quantity	Price	Current Manufacturer and Product Number	Offeror's Part Number	Offeror's Manufacturer Part Number	Total	Group
	Steel Coupling, 1 IN Forged Steel 316 SS 3000#, SCRD FULL NPT	EA	3	\$ -				\$ -	XXIV
	Steel Coupling, 2 IN Forged Steel T304 S/S 3000#, SCRD FULL	EA	3	\$ -				\$ -	XXIV
	Steel Coupling, 2 IN Forged Steel 316 SS 3000#, SCRD FULL	EA	3	\$ -				\$ -	XXIV
	Steel Coupling, 3 IN Copper CXC	EA	2	\$ -				\$ -	XXIV
	Steel Coupling, 3 IN Forged Steel 316 SS 3000#, SCRD FULL NPT	EA	3	\$ -				\$ -	XXIV
65924181400	Brass Bushing, 2 inch IP by 1 inch CC.	EA	100	\$ -	BB1A-74			\$ -	XXV
65924181210	Bushing, brass, 2 inch x 1-1/2 inch, female iron pipe x male iron pipe thread.	EA	100	\$ -	3020B15			\$ -	XXV
	4" x3" Black Hex Head	EA	1	\$ -				\$ -	XXV
	6" x5" Steel NPS xNPS	FT	1	\$ -				\$ -	XXV
65965701504	Reducer, bell brass, 1 inch x24 inch.	EA	100	\$ -	3010R07			\$ -	XXVI
	Eccentric Reducer 10 x8 STD, Weld	EA	1	\$ -				\$ -	XXVI
	Eccentric Reducer 4 x3 Carbon Steel, STD, Weld	EA	1	\$ -				\$ -	XXVI
	Concentric Reducer 20" x 16", STD, Weld	EA	1	\$ -				\$ -	XXVI
	Concentric Reducer 4" x2 1/2" Carbon Steel, STD, Weld	EA	2	\$ -				\$ -	XXVI
								\$ 2,056,040.79	
	All pricing shall also be submitted in an Excel file format (.xlsx) only on the same electronic media (Flash/Jump Drive). PDF copy of the pricing section will be sufficient grounds for the City to consider your offer to be non-compliant.								



**CITY OF PHOENIX
Procurement Division**

**INVITATION FOR BID
IFB 15-158 (CG)**

**WATER ELBOWS, FITTINGS, PIPE, SHAFTS, FLANGES, NIPPLES, BUSHINGS,
REDUCERS, CLAMPS, STOPS, CONVERSIONS TEES, RESETTERS, COUPLINGS AND
MISCELLANEOUS ITEMS - REQUIREMENTS CONTRACT**

**CONTACT PERSON
Chuck Garvey
Senior Buyer
602-261-8668
chuck.garvey@phoenix.gov**



TABLE OF CONTENTS

CITY OF PHOENIX
Procurement Division
251 W. Washington Street
8th Floor
Phoenix, AZ 85003
Phone: (602) 262-7181

Instructions

Solicitation Response Checklist
Introduction
Vendor Management Registration
Schedule of Events
Obtaining a Copy of the Solicitation and Addenda
Preparation of Bid
Addenda
Licenses
Certification
Submission of Bid
Withdrawal of Offer
Bid Results
Award of Contract
City's Right to Disqualify for Conflict of Interest
Offeror's Compliance with Health, Environmental and Safety Requirements
Solicitation Transparency Policy
Protest and Appeals Process

Section I

Standard Terms and Conditions

Definition of Key Words Used in the Solicitation
Contract Interpretation
Contract Administration and Operation
Costs and Payments
Contract Changes
Risk of Loss and Liability
Warranties
City's Contractual Rights
Contract Termination

Section II

Special Terms and Conditions

Section III

Scope

Section IV

Submittals

Section V

Attachments

Section VI



SECTION I - INSTRUCTIONS

CITY OF PHOENIX
Procurement Division
251 W. Washington Street
8th Floor
Phoenix, AZ 85003
Phone: (602) 262-7181

Please read this before continuing on to the bid document.

SOLICITATION RESPONSE CHECK LIST

Check off each of the following as the necessary action is completed.

- 1. All forms have been signed. All of Section V, Submittals, is included.
- 2. The prices offered have been reviewed.
- 3. The price extensions and totals have been checked.
- 4. Any required drawings or descriptive literature have been included.
- 5. The delivery information block has been completed.
- 6. If required, the amount of the bid surety has been checked and the surety has been included.
- 7. Review the insurance requirements, if any, to assure you are in compliance.
- 8. The specified number of copies of your offer has been included.
- 9. Any addenda have been signed and are included.
- 10. The mailing envelope has been addressed to:
City of Phoenix, Procurement, 8th Floor, 251 W. Washington Street, Phoenix, AZ 85003.

The mailing envelope clearly shows:
Your company name and address, the solicitation number, and the bid opening date.
- 11. The response will be mailed in time to be received no later than 2:00 p.m. local Arizona time.



SECTION I - INSTRUCTIONS

CITY OF PHOENIX
Procurement Division
251 W. Washington Street
8th Floor
Phoenix, AZ 85003
Phone: (602) 262-7181

1. INTRODUCTION

The City of Phoenix invites sealed bids for **WATER ELBOWS, FITTINGS, PIPE, SHAFTS, FLANGES, NIPPLES, BUSHINGS, REDUCERS, CLAMPS, STOPS, CONVERSIONS TEES, RESETTERS, COUPLINGS AND MISCELLANEOUS ITEMS** for a one-year period commencing on or about day after City Council approval, in accordance with the specifications and provisions contained herein.

This solicitation is available in large print, Braille, audio tape, or computer diskette. Please call (602) 262-7181/Fax (602) 534-1933 or TTY (602) 534-5500 for assistance.

2. SOLICITATION NOTICE

A notice of this solicitation was issued via the City's Vendor Management System (<http://bizopps.phoenix.gov>) using the following commodity codes. To receive any future notifications regarding this solicitation, companies and/or individuals must register with the City's Vendor Management System and select one or more of the following codes:

659-06	Adapters
659-16	Bands
659-17	Bends
659-24	Bushings
659-27	Caps
659-30	Connectors
659-33	Couplings
659-36	Crosses, Crossovers, Curves
659-39	Elbows, Miscellaneous
659-40	Elbows, Steel
659-41	Elbows (Other than Steel)
659-42	Ells
659-43	Extensions, Pipe
659-44	Ferrules, Flanges, Glands
659-47	Hubs, Increasers, Inserts, Joints
659-50	Laterals, Nipples
659-51	Lining, Pipe (Cement, Epoxy, etc.)
659-54	Offsets, Plugs, Pipe Rests
659-65	Reducers
659-73	Saddles, Sleeves, Straps
659-78	Tubing Fittings (Brass, Bronze, and Copper)
659-79	Tubing Fittings (Plastic, PVC)
659-80	Tubing Fittings (Stainless Steel)
659-81	Tubing Fittings (Steel)
659-83	Tees, Compression, Miscellaneous
659-84	Tees, Steel



SECTION I - INSTRUCTIONS

CITY OF PHOENIX
Procurement Division
251 W. Washington Street
8th Floor
Phoenix, AZ 85003
Phone: (602) 262-7181

659-85	Tees (Other Than Steel)
659-87	Unions
659-90	Vees (V)
659-94	Wyes (Y)
659-96	Recycled Pipe and Tubing Fittings
659-97	Pipe Fittings, Misc. (Not Otherwise Classified)
658-81	Pipe, Threaded
658-82	Pipe, Steel, Wrought
658-83	Pipe, Tin
658-84	Pipe, Titanium
658-86	Pipe, Unthreaded
658-87	Pipe, Zinc
658-88	Tubing, Brass, Bronze, and Copper (See 570-91 for Structural Tubing)
658-89	Tubing: Ferrous and Non-Ferrous Alloy
658-90	Tubing: Iron, Lead, Magnesium
658-91	Tubing, Plastic and PVC
658-93	Tubing: Tin, Titanium, Zinc
658-94	Tubing, Stainless Steel (See 570-91 for Structural Tubing)
658-95	Tubing, Steel
658-96	Recycled Pipe and Tubing
658-97	Tubing (Not Otherwise Classified)
658-04	Pipe, Alloy Steel, Chrom-Moly, Stainless
658-05	Pipe, Aluminum
658-09	Pipe, Asbestos-Cement
658-18	Pipe, Bituminized Fiber
658-19	Pipe, Bonded (All Types)
658-22	Pipe, Brass
658-24	Pipe, Bronze
658-28	Pipe, Cast Iron
658-30	Pipe, Chrome
658-31	Pipe, Clay (Terra Cotta)
658-34	Pipe, Concrete
658-35	Pipe, Copper
658-40	Pipe, Ferrous Alloy
658-41	Pipe, Fiberglass
658-46	Pipe, Iron (Includes Ductile Iron Pipe)



SECTION I - INSTRUCTIONS

CITY OF PHOENIX
Procurement Division
251 W. Washington Street
8th Floor
Phoenix, AZ 85003
Phone: (602) 262-7181

658-50	Pipe, Lead
658-52	Pipe, Magnesium
658-54	Pipe, Non-Ferrous Alloy
658-56	Pipe, Plastic (Includes. Fiber Reinforced Plastic Pipe, Polybutylene Pipe)
658-58	Pipe, Polyethylene
658-60	Pipe, PVC (Polyvinyl Chloride)
658-68	Pipe, Rubber
658-74	Pipe, Soil
658-77	Pipe, Stainless Steel
658-80	Pipe, Steel

3. **VENDOR SELF REGISTRATION**

Any Offeror that is recommended for contract award resulting from this solicitation must be registered in the City's on-line Vendor Management System (VMS) prior to issuance of a contract award or purchase order. Access to the VMS for registration purposes is available at <http://bizopps.phoenix.gov> . The City may, at its sole discretion, reject any offer from an Offeror who has not registered in VMS within three (3) business day following award notice.

4. **SCHEDULE OF EVENTS**

Bid Due Date: March 27, 2015 at 2:00 p.m.
Local Arizona Time

Bid Submittal Location: Calvin Goode Building
City of Phoenix Finance Department
Procurement Division
251 W. Washington Street, 8th Floor
Phoenix, AZ 85003

5. **OBTAINING A COPY OF THE SOLICITATION AND ADDENDA**

Interested offerors may download the complete solicitation and any/all associated from <https://www.phoenix.gov/solicitations>. Internet access is available at all public libraries. Any interested offerors without Internet access may obtain this solicitation by calling (602) 262-7181 or picking up a copy during regular business hours at the City of Phoenix Finance Department, Procurement Division, 251 W. Washington Street, 8th Floor, Phoenix, AZ. It is the Offeror's responsibility to check the website and verify all required information is submitted with their offer.

6. **PREPARATION OF BID**

6.1 All forms provided in Section V, Submittal, must be completed and submitted with your bid. It is permissible to copy Section V forms if necessary. Erasures, interlineations, or other modifications of your bid shall be initialed in original ink by the authorized person signing the bid. No bid shall be altered, amended or withdrawn after the specified bid due date and time. The City is not responsible for offeror's errors or omissions. All time periods stated as a number of days shall be calendar days.



SECTION I - INSTRUCTIONS

CITY OF PHOENIX
Procurement Division
251 W. Washington Street
8th Floor
Phoenix, AZ 85003
Phone: (602) 262-7181

Any submission of an alternate term or condition to Sections I, II or III with your offer may result in rejection of your bid. This solicitation is deemed to be thorough and complete to meet the City's needs.

- 6.2** It is the responsibility of all offerors to examine the entire solicitation and seek clarification of any requirement that may not be clear and to check all responses for accuracy before submitting a bid. Negligence in preparing a bid confers no right of withdrawal after due date and time. Offerors are strongly encouraged to:
- A. Consider applicable laws and/or economic conditions that may affect cost, progress, performance, or furnishing of the products or services.
 - B. Study and carefully correlate Offeror's knowledge and observations with the IFB document and other related data.
 - C. Promptly notify the City of all conflicts, errors, ambiguities, or discrepancies which an Offeror has discovered in or between the IFB document and such other related documents.
- 6.3** The City does not reimburse the cost of developing, presenting or providing any response to this solicitation. Offers submitted for consideration should be prepared simply and economically, providing adequate information in a straightforward and concise manner. The Offeror is responsible for all costs incurred in responding to this solicitation. All materials and documents submitted in response to this solicitation become the property of the City and will not be returned.
- 6.4** Offerors are reminded that the specifications stated in the solicitation are the minimum level required and that bids submitted must be for products or services that meet or exceed the minimum level of all features specifically listed in this solicitation. Bids offering less than the minimums specified are not responsive and should not be submitted.
- 6.5** Bid responses submitted for products considered by the seller to be acceptable alternates to the brand names or manufacturer's catalog references specified herein must be submitted with technical literature and/or detailed product brochures for the City's use to evaluate the products offered. Bids submitted without this product information may be considered as non-responsive and rejected. The City will be the sole judge as to the acceptability of alternate products offered.
- 6.6** If provisions of the detailed specifications preclude an otherwise qualified offeror from submitting a bid, a written request for modification must be received by the Deputy Finance Director at least seven (7) calendar days prior to the bid opening. The City may issue an addendum to this solicitation of any approved specification changes.
- 6.7** Prices shall be submitted on a per unit basis by line item, when applicable. In the event of a disparity between the unit price and extended price, the unit price shall prevail unless obviously in error.
- 6.8** Prices offered shall not include applicable state and local taxes. The city will pay all applicable taxes. **For the purposes of determining the lowest cost, the city will not take the tax into consideration.** Taxes must be listed as a separate item on all invoices.

7. ADDENDA



SECTION I - INSTRUCTIONS

CITY OF PHOENIX
Procurement Division
251 W. Washington Street
8th Floor
Phoenix, AZ 85003
Phone: (602) 262-7181

The City of Phoenix shall not be responsible for any oral instructions made by any employees or officers of the City of Phoenix in regard to the bidding instructions, plans, drawings, specifications, or contract documents. Any changes to the plans, drawings and specifications will be in the form of an addendum, which will be available at <https://www.phoenix.gov/solicitations> or by calling (602) 262-7181. The offeror shall acknowledge receipt of any/all addendum by signing and returning the document with the bid submittal.

8. LICENSES

If required by law for the operation of the business or work related to this Bid, Offeror must possess all valid certifications and/or licenses as required by federal, state or local laws at the time of submittal.

9. CERTIFICATION

By signature in the offer section of the Offer and Acceptance page, offeror certifies:

- The submission of the offer did not involve collusion or other anti-competitive practices.
- The offeror shall not discriminate against any employee, or applicant for employment in violation of Federal or State Law.
- The offeror has not given, offered to give, nor intends to give at any time hereafter, any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor, or service to a public servant in connection with the submitted offer.

10. SUBMISSION OF BID

Bids must be in the actual possession of the Procurement Division on or prior to the exact time and date indicated in the Schedule of Events. Late bids shall not be considered. The prevailing clock shall be the City Finance Department, Procurement Division's clock.

Bids must be submitted in a sealed envelope and the following information should be noted on the outside of the envelope:

Offeror's Name
Offeror's Address (as shown on the Certification Page)
IFB Number
IFB Title

All bids must be completed in ink or typewritten. Include the number of copies indicated in the Submittal section.

11. WITHDRAWAL OF OFFER

At any time prior to the solicitation due date and time, an offeror (or designated representative) may withdraw the bid by submitting a request in writing and signed by a duly authorized representative. Facsimiles, telegraphic or mailgram withdrawals shall not be considered.

12. BID RESULTS

Bids will be opened on the bid due date, time and location indicated in the Schedule of Events at which time the name of each offeror and the prices shall be read. Bids and other information received in response to the Invitation for Bid shall be shown only to authorized City personnel having a legitimate interest in them or persons assisting the City in the evaluation. Bids are not available for public inspection until after award recommendation has been posted on the City's website.



SECTION I - INSTRUCTIONS

CITY OF PHOENIX
Procurement Division
251 W. Washington Street
8th Floor
Phoenix, AZ 85003
Phone: (602) 262-7181

A preliminary bid tabulation will be posted on the Procurement Division's website, <https://www.phoenix.gov/finance/business-opportunities/bid-awards-and-recommendations> within five (5) calendar days of the bid opening. The information on the preliminary tabulation will be posted as it was read during the bid opening. The City makes no guarantee as to the accuracy of any information on the preliminary tabulation. Once the City has evaluated the bids an award recommendation will be posted on the website. No further notification will be provided to unsuccessful offerors.

13. AWARD OF CONTRACT

Unless otherwise indicated, award(s) will be made to the lowest responsive, responsible offeror(s) who are regularly established in the service contained in this solicitation and who have demonstrated the ability to perform the required service in an acceptable manner. Factors that will be considered by the City include:

- Technical capability of the Offeror to accomplish the scope of work required in the Solicitation. This includes performance history on past and current government or industrial contracts.
- Demonstrated availability of the necessary manpower (both supervisory and operational personnel) and necessary equipment to accomplish the scope of work in the Solicitation.
- Safety record.

Notwithstanding any other provision of this solicitation, the City reserves the right to: (1) waive any immaterial defect or informality; or (2) reject any or all bids or portions thereof; or (3) reissue a solicitation.

A response to a solicitation is an offer to contract with the City based upon the terms, conditions, and specifications contained in the City's solicitation. Bids do not become contracts until they are executed by the Deputy Finance Director. A contract has its inception in the award, eliminating a formal signing of a separate contract. For that reason, all of the terms, conditions and specifications of the procurement contract are contained in the solicitation, unless any of the terms, conditions, or specifications are modified by an addendum or contract amendment.

14. CITY'S RIGHT TO DISQUALIFY FOR CONFLICT OF INTEREST

The City reserves the right to disqualify any offeror on the basis of any real or apparent conflict of interest that is disclosed by the bid submitted or any other data available to the City. This disqualification is at the sole discretion of the City. Any offeror submitting a bid herein waives any right to object now or at any future time, before any body or agency, including but not limited to, the City Council of the City of Phoenix or any court.

15. OFFEROR'S COMPLIANCE WITH HEALTH, ENVIRONMENTAL AND SAFETY REQUIREMENTS

The Offeror's products, services and facilities shall be in full compliance with all applicable Federal, State and local health, environmental and safety laws, regulations, standards, codes and ordinances, regardless of whether or not they are referred to by the City.

At the request of the City representatives, the offeror shall provide the City:

- Environmental, safety and health regulatory compliance documents (written safety programs, training and records, permits, etc.) applicable to services requested.



SECTION I - INSTRUCTIONS

CITY OF PHOENIX
Procurement Division
251 W. Washington Street
8th Floor
Phoenix, AZ 85003
Phone: (602) 262-7181

- A list of all Federal, State and local citations or notice of violations (including but not limited to EPA, OSHA, Maricopa County) issued against the Offeror or their subcontractors including dates, disposition and resolutions.

The City further reserves the right to make unannounced inspections of the Offeror's facilities (during normal business hours).

16. SOLICITATION TRANSPARENCY POLICY

Beginning on the date the solicitation is issued and until the date the contract is awarded or the solicitation withdrawn, all persons or entities that respond to the solicitation for **WATER ELBOWS, FITTINGS, PIPE, SHAFTS, FLANGES, NIPPLES, BUSHINGS, REDUCERS, CLAMPS, STOPS, CONVERSIONS TEES, RESETTERS, COUPLINGS AND MISCELLANEOUS ITEMS**, including their employees, agents, representatives, proposed partner(s), subcontractor(s), joint venturer(s), member(s), or any of their lobbyists or attorneys, (collectively, the Offerors will refrain, from any direct or indirect contact with any person (other than the designated procurement officer) who may play a part in the selection process, including members of the evaluation panel, the City Manager, Assistant City Manager, Deputy City Managers, Department heads, the Mayor and other members of the Phoenix City Council. As long as the solicitation is not discussed, Offerors may continue to conduct business with the City and discuss business that is unrelated to the solicitation with the City staff who are not involved in the selection process

Offerors may discuss their proposal or the solicitation with the Mayor or one or more members of the Phoenix City Council, provided such meetings are scheduled through **Chuck Garvey**, conducted in person at 251 West Washington, Phoenix, Arizona, 85003, and are posted as open meetings with the City Clerk at least twenty-four (24) hours prior to the scheduled meetings. The City Clerk will be responsible for posting the meetings. The posted notice shall identify the participants and the subject matter, as well as invite the public to participate.

With respect to the selection of the successful Offerors, the City Manager and/or City Manager's Office will continue the past practice of exerting no undue influence on the process. In all solicitations of bids and proposals, any direction on the selection from the City Manager and/or City Manager's Office and Department Head (or representative) to the proposal review panel or selecting authority must be provided in writing to all prospective offerors.

This policy is intended to create a level playing field for all Offerors, assure that contracts are awarded in public, and protect the integrity of the selection process. **Offerors that violate this policy shall be disqualified.**

17. PROTEST PROCESS

Staff recommendations to award the contract(s) to a particular offeror or offerors shall be posted on the Procurement Division's website <https://www.phoenix.gov/finance/business-opportunities/bid-awards-and-recommendations>. Any unsuccessful offeror may file a protest no later than 7 calendar days after the recommendation is posted on the website. All protests shall be in writing, filed with the Procurement Authority identified in the solicitation and include the following:

- Identification of the IFB or other solicitation number;
- The name, address and telephone number of the protester;
- A detailed statement describing the legal and factual grounds for the protest, including copies of relevant documents;



SECTION I - INSTRUCTIONS

CITY OF PHOENIX
Procurement Division
251 W. Washington Street
8th Floor
Phoenix, AZ 85003
Phone: (602) 262-7181

- The form of relief requested; and
- The signature of the protester or its authorized representative.

The Procurement Authority will render a written decision within 14 calendar days after the protest is filed. The City will not request City Council authorization to award the contract until the protest process is completed.



SECTION II - STANDARD TERMS AND CONDITIONS

**CITY OF PHOENIX
Procurement Division
251 W. Washington Street
8th Floor
Phoenix, AZ 85003
Phone: (602) 262-7181**

1. DEFINITION OF KEY WORDS USED IN THE SOLICITATION

Shall, Will, Must: Indicates a mandatory requirement. Failure to meet these mandatory requirements may result in the rejection of proposal as non-responsive.

Should: Indicates something that is recommended but not mandatory. If the offeror fails to provide recommended information, the City may, at its sole option, ask the offeror to provide the information or evaluate the offer without the information.

May: Indicates something that is not mandatory but permissible.

For purposes of this solicitation, the following definitions shall apply:

- "A.R.S." Arizona Revised Statute
- "Offeror" Any person or firm submitting a competitive bid in response to a solicitation such as an Invitation for Bid (IFB) or Request for Quotation (RFQ).
- "Broker, Packager, Manufacturer's Representative, Jobber" A firm that is not a manufacturer or regular dealer as defined herein and whose role is limited to that of an extra participant in a transaction, contract or project through which funds are passed in order to obtain services, materials, equipment or product.
- "Buyer" City of Phoenix, City Procurement Division staff person responsible for the solicitation.
- "CBP" U.S. Customs and Border Control.
- "City" The City of Phoenix
- "Contractor" The individual, partnership, or corporation who, as a result of the competitive process, is awarded a contract by the City of Phoenix.
- "Contract/Agreement" The legal agreement executed between the City of Phoenix, AZ and the Contractor.
- "Contract Representative" The City employee or employees who have specifically been designated to act as a contact person or persons to the Contractor, and responsible for monitoring and overseeing the Contractor's performance under this contract.
- "Days" Means calendar days unless otherwise specified.
- "Deputy Finance Director" The contracting authority for the City of Phoenix, AZ, authorized to sign contracts and amendments thereto on behalf of the City of Phoenix, AZ.
- "Employer" Any individual or type of organization that transacts business in this state, that has a license issued by an agency in this state



SECTION II - STANDARD TERMS AND CONDITIONS

CITY OF PHOENIX
Procurement Division
251 W. Washington Street
8th Floor
Phoenix, AZ 85003
Phone: (602) 262-7181

and employs one or more employees in this state. Employer includes this state, any political subdivision of this state and self-employed persons. In the case of an independent contractor, employer means the independent contractor and does not mean the person or organization that uses contract labor. (A.R.S. 23-211).

- “EPA” Environmental Protection Agency
- “FIFRA” Federal Insecticide, Fungicide and Rodenticide Act
- “FIS” Federal Inspection Services.
- “Manufacturer” A firm that operates or maintains a factory or establishment that produces on the premises, the materials, supplies, articles or equipment required under the contract.
- “Offer” Means bid or quotation.
- “Regular Dealer” A firm that owns, operates, or maintains a store, warehouse, or other establishment in which the materials, supplies, articles or equipment of the general character described by the specifications are bought, kept in stock, and regularly sold or leased to the public in the usual course of business. An established, regular business that engages, as its principal business and under its own name, in the purchase and sale or lease of the products in question.
- “Solicitation” Means an Invitation for Bid (IFB) or Request for Quote (RFQ).
- “Suppliers” Firms, entities or individuals furnishing goods or services directly to the City.
- “Vendor” A seller of goods or services.

2. CONTRACT INTERPRETATION

- 2.1 APPLICABLE LAW:** This Contract shall be governed by the law of the State of Arizona, and suits pertaining to this Contract shall be brought only in Federal or State courts in Maricopa County, State of Arizona.
- 2.2 IMPLIED CONTRACT TERMS:** Each and every provision of law and any clause required by law to be in the Contract shall be read and enforced as though it were included herein, and if through mistake or otherwise any such provision is not inserted, or is not correctly inserted, then upon the application of either party the Contract shall forthwith be physically amended to make such insertion or correction.
- 2.3 CONTRACT ORDER OF PRECEDENCE:** In the event of a conflict in the provisions of the Contract, as accepted by the City and as they may be amended, the following shall prevail in the order set forth below:
 - A. Special terms and conditions



SECTION II - STANDARD TERMS AND CONDITIONS

CITY OF PHOENIX
Procurement Division
251 W. Washington Street
8th Floor
Phoenix, AZ 85003
Phone: (602) 262-7181

- B. Standard terms and conditions
- C. Statement or scope of work
- D. Specifications
- E. Attachments
- F. Exhibits
- G. Instructions to Offerors
- H. Other documents referenced or included in the Invitation for Bid

2.4 ORGANIZATION – EMPLOYMENT DISCLAIMER: The Agreement resulting hereunder is not intended to constitute, create, give rise to or otherwise recognize a joint venture agreement or relationship, partnership or formal business organization of any kind, and the rights and obligations of the parties shall be only those expressly set forth in the agreement. The parties agree that no persons supplied by the Contractor in the performance of Contractor's obligations under the agreement are considered to be City's employees and that no rights of City civil service, retirement or personnel rules accrue to such persons. The Contractor shall have total responsibility for all salaries, wage bonuses, retirement, withholdings, workmen's compensation, occupational disease compensation, unemployment compensation, other employee benefits and all taxes and premiums appurtenant thereto concerning such persons, and shall save and hold the City harmless with respect thereto.

2.5 SEVERABILITY: The provisions of this Contract are severable to the extent that any provision or application held to be invalid shall not affect any other provision or application of the contract which may remain in effect without the invalid provision or application.

2.6 NON-WAIVER OF LIABILITY: The City of Phoenix as a public entity supported by tax monies, in execution of its public trust, cannot agree to waive any lawful or legitimate right to recover monies lawfully due it. Therefore, any Contractor agrees that it will not insist upon or demand any statement whereby the City agrees to limit in advance or waive any right the City might have to recover actual lawful damages in any court of law under applicable Arizona law.

2.7 PAROL EVIDENCE: This Agreement is intended by the parties as a final expression of their agreement and is intended also as a complete and exclusive statement of the terms of this agreement. No course of prior dealings between the parties and no usage in the trade shall be relevant to supplement or explain any term used in this Contract. Acceptance or acquiescence in a course of performance rendered under this contract shall not be relevant to determine the meaning of this Contract even though the accepting or acquiescing party has knowledge of the nature of the performance and opportunity to object.

3. CONTRACT ADMINISTRATION AND OPERATION

3.1 RECORDS: All books, accounts, reports, files and other records relating to the contract shall be subject at all reasonable times to inspection and audit by the City for five years after completion of the contract. Such records will be produced at a City of Phoenix office as designated by the City.

3.2 PUBLIC RECORD: All bids submitted in response to this invitation shall become the property of the City and become a matter of public record available for review pursuant to Arizona State law.



SECTION II - STANDARD TERMS AND CONDITIONS

CITY OF PHOENIX
Procurement Division
251 W. Washington Street
8th Floor
Phoenix, AZ 85003
Phone: (602) 262-7181

If an offeror believes that a specific section of its bid response is confidential, the offeror shall isolate the pages marked confidential in a specific and clearly labeled section of its bid response. The offeror shall include a written statement as to the basis for considering the marked pages confidential including the specific harm or prejudice if disclosed and the City Procurement Division will review the material and make a determination.

- 3.3 CONFIDENTIALITY AND DATA SECURITY:** All data, regardless of form, including originals, images and reproductions, prepared by, obtained by, or transmitted to Contractor or its subcontractors in connection with this Agreement is confidential, proprietary information owned by the City. Except as specifically provided in this Agreement, the Contractor and its subcontractors shall not disclose data generated in the performance of the service to any third person without the prior written consent of the City Manager, or his/her designee. Personal identifying information, financial account information, or restricted City information, whether electronic format or hard copy, must be secured and protected at all times, in accordance with federal, state and local law and, if applicable, in compliance with Payment Card Industry Data Security Standards, to avoid unauthorized access. At a minimum, Contractor must encrypt and/or password protect electronic files. This includes data saved to laptop computers, computerized devices or removable storage devices.

When personal identifying information, financial account information, or restricted City information, regardless of its format, is no longer necessary, the information must be redacted or destroyed through appropriate and secure methods that ensure the information cannot be viewed, accessed or reconstructed.

In the event that data collected or obtained by the Contractor in connection with this Agreement is believed to have been compromised, Contractor shall notify the Department's Deputy Chief Information Officer immediately. Contractor agrees to reimburse the City for any costs incurred by the City to investigate potential breaches of this data and, where applicable, the cost of notifying individuals who may be impacted by the breach.

Contractor agrees that the requirements of this section shall be incorporated into all subcontractor agreements entered into by the Contractor. It is further agreed that a violation of this section shall be deemed to cause irreparable harm justifies injunctive relief in court. A violation of this section may result in immediate termination of this agreement without notice.

The obligations of Contractor under this section shall survive the termination of this Agreement.

- 3.4 DISCRIMINATION PROHIBITED:** Contractor agrees to abide by the provisions of the Phoenix City Code Chapter 18, Article V as amended.

Any supplier/lessee in performing under this contract shall not discriminate against any worker, employee or applicant, or any member of the public, because of race, color, religion, sex, national origin, age or disability nor otherwise commit an unfair employment practice. The supplier and/or lessee shall take action to ensure that applicants are employed, and employees are dealt with during employment without regard to their race, color, religion, sex, or national origin, age or disability and adhere to a policy to pay equal compensation to men and women who perform jobs that require substantially equal skill,



SECTION II - STANDARD TERMS AND CONDITIONS

CITY OF PHOENIX
Procurement Division
251 W. Washington Street
8th Floor
Phoenix, AZ 85003
Phone: (602) 262-7181

- effort and responsibility, and that are performed within the same establishment under similar working conditions. Such action shall include but not be limited to the following: Employment, promotion, demotion or transfer, recruitment or recruitment advertising, layoff or termination; rates of pay or other forms of compensation; and selection for training; including apprenticeship. The supplier further agrees that this clause will be incorporated in all subcontracts with all labor organizations furnishing skilled, unskilled and union labor, or who may perform any such labor or services in connection with this contract. Supplier/lessee further agrees that this clause will be incorporated in all subcontracts, job-consultant agreements or subleases of this agreement entered into by supplier/lessee.
- 3.5 LICENSES AND PERMITS:** Contractor shall keep current Federal, State, and local licenses and permits required for the operation of the business conducted by the Contractor as applicable to this contract.
- 3.6 ADVERTISING:** Contractor shall not advertise or publish news releases concerning this contract without the prior written consent of the Deputy Finance Director, and the City shall not unreasonably withhold permission.
- 3.7 EXCLUSIVE POSSESSION:** All services, information, computer program elements, reports, and other deliverables which may be created under this contract are the sole property of the City of Phoenix and shall not be used or released by the Contractor or any other person except with prior written permission by the City.
- 3.8 OWNERSHIP OF INTELLECTUAL PROPERTY:** Any and all intellectual property, including but not limited to copyright, invention, trademark, trade name, service mark, and/or trade secrets created or conceived pursuant to or as a result of this contract and any related subcontract ("Intellectual Property"), shall be considered work for hire and the City shall be considered the creator of such Intellectual Property. The agency, department, division, board or commission of the City requesting the issuance of this contract shall own (for and on behalf of the City) the entire right, title and interest to the Intellectual Property throughout the world. Contractor shall notify the City, within thirty (30) days, of the creation of any Intellectual Property by it or its subcontractor(s). Contractor, on behalf of itself and any subcontractor(s), agrees to execute any and all document(s) necessary to assure ownership of the Intellectual Property vests in the City and shall take no affirmative actions that might have the effect of vesting all or part of the Intellectual Property in any entity other than the City. The Intellectual Property shall not be disclosed by Contractor or its subcontractor(s) to any other entity without the express written authorization of the City. If by operation of law, the Intellectual Property is not owned in its entirety by the City automatically upon its creation, then Contractor agrees to assign and hereby assigns to the City the ownership of the Intellectual Property. The Contractor agrees to take such further action and execute and deliver such further agreements and other instruments as the City may reasonably request to give effect to this section 3.8.
- It is expressly agreed by Contractor that these covenants are irrevocable and perpetual.
- 3.9 HEALTH, ENVIRONMENTAL AND SAFETY REQUIREMENTS:** The Contractor's products, services and facilities shall be in full compliance with all applicable Federal, State and local health, environmental and safety laws, regulations, standards, codes and ordinances, regardless of whether or not they are referred to by the City.



SECTION II - STANDARD TERMS AND CONDITIONS

CITY OF PHOENIX
Procurement Division
251 W. Washington Street
8th Floor
Phoenix, AZ 85003
Phone: (602) 262-7181

At the request of City representatives, the Contractor shall provide the City:

- Environmental, safety and health regulatory compliance documents (written safety programs, training records, permits, etc.) applicable to services provided by the Contractor in this contract
- A list of all federal, state, or local (EPA, OSHA, Maricopa County, etc.) citations or notice of violations issued against their firm or their subcontractors including dates, reasons, dispositions and resolutions.

The City shall have the right, but not the obligation to inspect the facilities, transportation vehicles or vessels, containers and disposal facilities provided by the Contractor or subcontractor. The City shall also have the right to inspect operations conducted by the Contractor or subcontractor in the performance of this agreement. The City further reserves the right to make unannounced inspections of the Offeror's facilities (during normal business hours).

- 3.10 COMPLIANCE WITH LAWS:** Contractor agrees to fully observe and comply with all applicable Federal, State and local laws, regulations, standards, codes and ordinances when performing under this Contract regardless of whether or not they are referred to by the City. Contractor agrees to permit City inspection of Contractor's business records, including personnel records to verify any such compliance.

Because the Contractor will be acting as an independent contractor, the City assumes no responsibility for the Contractor's acts.

- 3.11 LAWFUL PRESENCE REQUIREMENT:** Pursuant to A.R.S. §§ 1-501 and -502, the City of Phoenix is prohibited from awarding a contract to any natural person who cannot established that he or she is lawfully present in the United States. In order to establish lawful presence, this person must produce qualifying identification and sign a City-provided affidavit affirming that the identification provided is genuine. This requirement will be imposed at the time of contract award. In the event the prevailing responder is unable to satisfy this requirement, the City will offer the award to the next-highest scoring responder. The law does not apply to fictitious entities such as corporations, partnerships and limited liability companies.

- 3.12 CONTINUATION DURING DISPUTES:** Contractor agrees that notwithstanding the existence of any dispute between the parties, insofar as is possible, under the terms of the contract, the Contractor shall continue to perform the obligations required of Contractor during the continuation of any such dispute unless enjoined or prohibited by an Arizona Court of competent jurisdiction.

- 3.13 EMERGENCY PURCHASES:** The City reserves the right to purchase from other sources those items which are required on an emergency basis and cannot be supplied immediately from stock by the Contractor.

- 3.14 STRICT PERFORMANCE:** Failure of either party to insist upon the strict performance of any item or condition of the contract or to exercise or delay the exercise of any right or remedy provided in the contract, or by law, or the acceptance of materials or services, obligations imposed by this contract or by law shall not be deemed a waiver of any right of either party to insist upon the strict performance of the contract.

4. COSTS AND PAYMENTS



SECTION II - STANDARD TERMS AND CONDITIONS

CITY OF PHOENIX
Procurement Division
251 W. Washington Street
8th Floor
Phoenix, AZ 85003
Phone: (602) 262-7181

- 4.1 PAYMENT TERMS:** The City shall make every effort to process payment for the purchase of material or services within 30 calendar days after receipt of a correct invoice unless a good faith dispute exists to any obligation to pay all or a portion of the account. Payment terms are specified in the bid.
- 4.2 PAYMENT DEDUCTION OFFSET PROVISION:** Contractor acknowledges that the City Charter requires that no payment be made to any Contractor as long as there is an outstanding obligation due to the City. Contractor agrees that any obligation it owes to the City will be offset against any payment due to the Contractor from the City.
- 4.3 LATE SUBMISSION OF CLAIM BY CONTRACTOR:** The City will not honor any invoices or claims which are tendered one (1) year after the last item of the account accrued.
- 4.4 DISCOUNTS:** Payment discounts will be computed from the date of receiving acceptable products, materials and/or services or correct invoice, whichever is later to the date payment is mailed.
- 4.5 NO ADVANCE PAYMENTS:** Advance payments are not authorized. Payment will be made only for actual services or commodities that have been received.
- 4.6 FUND APPROPRIATION CONTINGENCY:** The Vendor recognizes that any agreement entered into shall commence upon the day first provided and continue in full force and effect until termination in accordance with its provisions. The Vendor and the City herein recognize that the continuation of any contract after the close of any given fiscal year of the City of Phoenix, which fiscal year ends on June 30 of each year, shall be subject to the approval of the budget of the City of Phoenix providing for or covering such contract item as an expenditure therein. The City does not represent that said budget item will be actually adopted, said determination being the determination of the City Council at the time of the adoption of the budget.
- 4.7 MAXIMUM PRICES:** The City shall not be invoiced at prices higher than those stated in any contract resulting from this bid. Offeror certifies, by signing this bid that the prices offered are no higher than the lowest price the Offeror charges other buyers for similar quantities under similar conditions. Offeror further agrees that any reductions in the price of the goods or services covered by this bid and occurring after award will apply to the undelivered balance. The Offeror shall promptly notify the City of such price reductions.
- 4.8 F.O.B. POINT:** All prices are to be quoted F.O.B. delivered, unless otherwise specified elsewhere in this solicitation.

5. CONTRACT CHANGES

- 5.1 CONTRACT AMENDMENTS:** Contracts shall be modified only by a written contract amendment signed by the Deputy Finance Director and persons duly authorized to enter into contracts on behalf of the Contractor.
- 5.2 ASSIGNMENT - DELEGATION:** No right or interest in this contract nor monies due thereunder shall be assigned in whole or in part without written permission of the City, and no delegation of any duty of Contractor shall be made without prior written



SECTION II - STANDARD TERMS AND CONDITIONS

CITY OF PHOENIX
Procurement Division
251 W. Washington Street
8th Floor
Phoenix, AZ 85003
Phone: (602) 262-7181

permission of the Deputy Finance Director, which may be withheld for good cause. Any assignment or delegation made in violation of this section shall be void.

5.3 NON-EXCLUSIVE CONTRACT: Any contract resulting from this solicitation shall be awarded with the understanding and agreement that it is for the sole convenience of the City of Phoenix. The City reserves the right to obtain like goods or services from another source when necessary.

5.4 AUTHORIZED CHANGES: The City reserves the right at any time to make changes in any one or more of the following: (a) specifications; (b) methods of shipment or packing; (c) place of delivery; (d) time of delivery; and/or (e) quantities. If the change causes an increase or decrease in the cost of or the time required for performance, an equitable adjustment may be made in the price or delivery schedule, or both. Any claim for adjustment shall be deemed waived unless asserted in writing within thirty (30) days from the receipt of the change. Price increases or extensions of delivery time shall not be binding on the City unless evidenced in writing and approved by the Deputy Finance Director prior to the institution of the change.

6. RISK OF LOSS AND LIABILITY

6.1 TITLE AND RISK OF LOSS: The title and risk of loss of material or service shall not pass to the City until the City actually receives the material or service at the point of delivery; and such loss, injury, or destruction shall not release seller from any obligation hereunder.

6.2 ACCEPTANCE: All material or service is subject to final inspection and acceptance by the City. Material or service failing to conform to the specifications of this contract shall be held at Contractor's risk and may be returned to the Contractor. If so returned, all costs are the responsibility of the Contractor. Noncompliance shall conform to the cancellation clause set forth in this document.

6.3 GENERAL INDEMNIFICATION: Contractor shall indemnify, defend, save and hold harmless the City of Phoenix and its officers, officials, agents, and employees (hereinafter referred to as "Indemnitee") from and against any and all claims, actions, liabilities, damages, losses, or expenses (including court costs, attorneys' fees, and costs of claim processing, investigation and litigation) (hereinafter referred to as "Claims") for bodily injury or personal injury (including death), or loss or damage to tangible or intangible property caused, or alleged to be caused, in whole or in part, by the negligent or willful acts or omissions of Contractor or any of its owners, officers, directors, agents, employees or subcontractors. This indemnity includes any claim or amount arising out of or recovered under the Workers' Compensation Law or arising out of the failure of such Contractor to conform to any Federal, State or local law, statute, ordinance, rule, regulation or court decree. It is the specific intention of the parties that the Indemnitee shall, in all instances, except for Claims arising solely from the negligent or willful acts or omissions of the Indemnitee, be indemnified by Contractor from and against any and all claims. It is agreed that Contractor will be responsible for primary loss investigation, defense and judgment costs where this indemnification is applicable. In consideration of the award of this contract, the Contractor agrees to waive all rights of subrogation against the City, its officers, officials, agents, and employees for losses arising from the work performed by the Contractor for the City.



SECTION II - STANDARD TERMS AND CONDITIONS

**CITY OF PHOENIX
Procurement Division
251 W. Washington Street
8th Floor
Phoenix, AZ 85003
Phone: (602) 262-7181**

6.4 INDEMNIFICATION – PATENT, COPYRIGHT AND TRADEMARK. The Contractor shall indemnify and hold harmless the City against any liability, including costs and expenses, for infringement of any patent, trademark or copyright or other proprietary rights of any third parties arising out of contract performance or use by the City of materials furnished or work performed under this contract.

The Contractor agrees upon receipt of notification to promptly assume full responsibility for the defense of any suit or proceeding which is, has been, or may be brought against the City of Phoenix and its agents for alleged infringement, as well as for the alleged unfair competition resulting from similarity in design, trademark or appearance of goods by reason of the use or sale of any goods furnished under this contract and the Contractor further agrees to indemnify the City against any and all expenses, losses, royalties, profits and damages including court costs and attorney’s fees resulting from the bringing of such suit or proceedings including any settlement or decree of judgment entered therein. The City may be represented by and actively participate through its own counsel in any such suit or proceedings if it so desires. It is expressly agreed by the seller that these covenants are irrevocable and perpetual.

6.5 FORCE MAJEURE: Except for payment of sums due, neither party shall be liable to the other nor deemed in default under this contract if and to the extent that such party's performance of this contract is prevented by reason of force majeure. The term "force majeure" means an occurrence that is beyond the control of the party affected and occurs without its fault or negligence. Force majeure shall not include late performance by a subcontractor unless the delay arises out of a force majeure occurrence in accordance with this force majeure term and condition.

If either party is delayed at any time in the progress of the work by force majeure, the delayed party shall notify the other party in writing of such delay, as soon as is practical, of the commencement thereof and shall specify the causes of such delay in such notice. Such notice shall be hand-delivered or mailed certified-return receipt and shall make a specific reference to this provision, thereby invoking its provisions. The delayed party shall cause such delay to cease as soon as practicable and shall notify the other party in writing when it has done so. The time of completion shall be extended by contract modification for a period of time equal to the time that results or effects of such delay prevent the delayed party from performing in accordance with this contract.

6.6 LOSS OF MATERIALS: The City does not assume any responsibility, at any time, for the protection of or for loss of materials, from the time that the contract operations have commenced until the final acceptance of the work by the project manager.

6.7 DAMAGE TO CITY PROPERTY: Contractor shall perform all work so that no damage to the building or grounds results. Contractor shall repair any damage caused to the satisfaction of the City at no cost to the City.

Contractor shall take care to avoid damage to adjacent finished materials that are to remain. If finished materials are damaged, Contractor shall repair and finish to match existing material as approved by the City at Contractor's expense.

7. WARRANTIES

7.1 GUARANTEE: Unless otherwise specified, all items shall be guaranteed for a minimum period of one (1) year from date of acceptance by the City against defects in material and



SECTION II - STANDARD TERMS AND CONDITIONS

CITY OF PHOENIX
Procurement Division
251 W. Washington Street
8th Floor
Phoenix, AZ 85003
Phone: (602) 262-7181

workmanship. At any time during that period, if a defect should occur in any item that item shall be replaced or repaired by the Contractor at no obligation to the City except where it be shown that the defect was caused by misuse and not by faulty design.

- 7.2 QUALITY:** Contractor expressly warrants that all goods or services furnished under this contract shall conform to the specifications, appropriate standards, and will be new and free from defects in material or workmanship. Contractor warrants that all such goods or services will conform to any statements made on the containers or labels or advertisements for such goods, or services, and that any goods will be adequately contained, packaged, marked and labeled. Contractor warrants that all goods or services furnished hereunder will be merchantable, and will be safe and appropriate for the purpose which goods or services of that kind are normally used. If Contractor knows or has reason to know the particular purpose for which City intends to use the goods or services, Contractor warrants that goods or services furnished will conform in all respect to samples. Inspection, test, acceptance of use of the goods or services furnished hereunder shall not affect the Contractor's obligation under this warranty, and such warranties shall survive inspection, test, acceptance and use. Contractor's warranty shall run to City, its successors, and assigns.
- 7.3 RESPONSIBILITY FOR CORRECTION:** It is agreed that the Contractor shall be fully responsible for making any correction, replacement, or modification necessary for specification or legal compliance. In the event of any call back, Contractor agrees to give the City first priority. Contractor agrees that if the product or service offered does not comply with the foregoing, the City has the right to cancel the purchase at any time with full refund within 30 calendar days after notice of non-compliance and Contractor further agrees to be fully responsible for any consequential damages suffered by the City.
- 7.4 LIENS:** Contractor shall hold the City harmless from claimants supplying labor or materials to the Contractor or his subcontractors in the performance of the work required under this contract. Contractor shall provide written certification that all liens against materials and labor have been satisfied, before the City will make payment.
- 7.5 QUALITY STANDARDS OF MATERIAL AND SERVICES:** If desired by the City, items/services bid shall be subjected to testing, dissection or analysis by a recognized testing laboratory or consultant selected by the City to determine that the material(s) submitted for bid conform to the bid specifications. The cost of testing, dissection or analysis shall be borne by the offeror.
- 7.6 REPAIR AND REPLACEMENT PARTS:** Repair or replacement parts for existing equipment may be accomplished by the Contractor using other than original equipment manufacturer's (OEM) parts. However, all parts or equipment furnished must be equal or exceed that of the original equipment manufacturer(s) in material and warranty.
- 7.7 WORKMANSHIP:** Where not more specifically described in any of the various sections of these specifications, workmanship shall conform to all of the methods and operations of best standards and accepted practices of the trade or trades involved, and shall include all items of fabrication, construction or installation regularly furnished or required for completion of the services. All work shall be executed by personnel skilled in their respective lines of work.

8. CITY'S CONTRACTUAL RIGHTS



SECTION II - STANDARD TERMS AND CONDITIONS

CITY OF PHOENIX
Procurement Division
251 W. Washington Street
8th Floor
Phoenix, AZ 85003
Phone: (602) 262-7181

- 8.1 RIGHT TO ASSURANCE:** Whenever one party to this contract in good faith has reason to question the other party's intent to perform, the former party may demand that the other party give a written assurance of this intent to perform. In the event that a demand is made and no written assurance is given within five (5) days, the demanding party may treat this failure as an anticipatory repudiation of this contract.
- 8.2 NON-EXCLUSIVE REMEDIES:** The rights and remedies of the City under this Contract are non-exclusive.
- 8.3 DEFAULT IN ONE INSTALLMENT TO CONSTITUTE BREACH:** Each installment or lot of the agreement is dependent on every other installment or lot and a delivery of non-conforming goods or a default of any nature under one installment or lot will impair the value of the whole agreement and constitutes a total breach of the agreement as a whole.
- 8.4 ON TIME DELIVERY:** Because the City is providing services which involve health, safety and welfare of the general public, delivery time is of the essence. Delivery must be made in accordance with the delivery schedule promised by the Offeror.
- 8.5 DEFAULT:** In case of default by the offeror, the City may, by written notice, cancel this contract and repurchase from another source and may recover the excess costs by (1) deduction from an unpaid balance due; (2) collection against the bid and/or performance bond, or (3) a combination of the aforementioned remedies or other remedies as provided by law.
- 8.6 COVENANT AGAINST CONTINGENT FEES:** Seller warrants that no person or selling agent has been employed or retained to solicit or secure this contract upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, excepting bona fide employers or bona fide established commercial or selling agencies maintained by the seller for the purpose of securing business. For breach or violation of this warranty, the City shall have the right to annul the contract without liability or in its discretion to deduct from the contract price a consideration, or otherwise recover the full amount of such commission, brokerage or contingent fee.
- 8.7 ESTIMATED QUANTITIES OR DOLLAR AMOUNTS (REQUIREMENTS CONTRACTS ONLY):** Quantities and dollar amounts listed are the City's best estimate and do not obligate the City to order or accept more than City's actual requirements during period of this agreement, as determined by actual needs and availability or appropriated funds. It is expressly understood and agreed that the resulting contract is to supply the City with its complete actual requirement for the contract period, except that the estimated quantity shown for each bid item shall not be exceeded by 10 percent without the express written approval of the Deputy Finance Director, Procurement Division. Any demand or order made by any employee or officer of the City of Phoenix, other than the Deputy Finance Director, Procurement Division or designated representative, for quantities in excess of the estimated quantities and dollar amounts shall be void if the written approval of the Deputy Finance Director was not received prior to the Contractor's performance.
- 8.8 COST JUSTIFICATION:** In the event only one response is received, the City may require that the offeror submit a cost proposal in sufficient detail for the City to perform a cost/price analysis to determine if the bid price is fair and reasonable.



SECTION II - STANDARD TERMS AND CONDITIONS

CITY OF PHOENIX
Procurement Division
251 W. Washington Street
8th Floor
Phoenix, AZ 85003
Phone: (602) 262-7181

8.9 WORK PRODUCT, EQUIPMENT AND MATERIALS: All work product, equipment, or materials created or purchased under this contract belongs to the City and must be delivered to the City at City's request upon termination of this contract. Contractor agrees that all materials prepared under this contract are "works for hire" within the meaning of the copyright laws of the United States and assigns to City all rights and interests Contractor may have in the materials it prepares under this contract, including any right to derivative use of the material.

9. CONTRACT TERMINATION

9.1 GRATUITIES: The City may, by written notice to the Contractor, cancel this contract if it is found that gratuities, in the form of entertainment, gifts or otherwise, were offered or given by the Contractor or any agent or representative of the Contractor, to any officer or employee of the City making any determinations with respect to the performing of such contract. In the event this contract is canceled by the City pursuant to this provision, the City shall be entitled, in addition to any other rights and remedies, to recover or withhold from the Contractor the amount of the gratuity.

9.2 CONDITIONS AND CAUSES FOR TERMINATION: This contract may be terminated at any time by mutual written consent, or by the City, with or without cause, upon giving thirty (30) days written notice to Contractor. The City at its convenience, by written notice, may terminate this contract, in whole or in part. If this contract is terminated, the City shall be liable only for payment under the payment provisions of this contract for services rendered and accepted material received by the City before the effective date of termination. Title to all materials, work-in-process and completed but undeliverable goods, will pass to the City after costs are claimed and allowed. The Seller shall submit detailed cost claims in an acceptable manner and shall permit the City to examine such books and records as may be necessary in order to verify the reasonableness of any claims.

The City reserves the right to cancel the whole or any part of this contract due to failure of Contractor to carry out any term, promise, or condition of the contract. The City will issue a written notice of default to Contractor for acting or failing to act as in any of the following:

In the opinion of the City, Contractor provides personnel who do not meet the requirements of the contract;

In the opinion of the City, Contractor fails to perform adequately the stipulations, conditions or services/specifications required in this contract;

In the opinion of the City, Contractor attempts to impose on the City personnel or materials, products or workmanship, which is of an unacceptable quality.

Contractor fails to furnish the required service and/or product within the time stipulated in the contract;

In the opinion of the City, Contractor fails to make progress in the performance of the requirements of the contract and/or give the City a positive indication that Contractor will not or cannot perform to the requirements of the contract.



SECTION II - STANDARD TERMS AND CONDITIONS

**CITY OF PHOENIX
Procurement Division
251 W. Washington Street
8th Floor
Phoenix, AZ 85003
Phone: (602) 262-7181**

9.3 CONTRACT CANCELLATION: All parties acknowledge that this contract is subject to cancellation by the City of Phoenix pursuant to the provision of Section 38-511, Arizona Revised Statutes.



SECTION III – SPECIAL TERMS AND CONDITIONS

CITY OF PHOENIX
Procurement Division
251 W. Washington Street
8th Floor
Phoenix, AZ 85003
Phone: (602) 262-7181

1. **FOB POINT**
Prices quoted shall be FOB destination and delivered, as required, to the following point(s): Water Facilities locations and other public agencies within Maricopa County.
2. **PRICE**
All prices submitted shall be firm and fixed for the initial one year contract period. Thereafter, price adjustments will be considered annually provided the adjustments are submitted in writing with thirty (30) days advance notice. Requests shall be accompanied with written documentation from the manufacturer confirming the price increase. The City will be the sole judge in determining the allowable increase amount. Price adjustment requests shall be sent to IFB15-158, City of Phoenix, Finance Procurement, 251 West Washington Street, 8th Floor, Phoenix AZ 85003. Price increases agreed to by any staff other than Deputy Finance Director are invalid. The contractor acknowledges and agrees that it will repay all monies paid a requested price increase unless the price increase was specifically approved in writing by the Deputy Finance Director.
3. **TAX EXEMPTION**
Pursuant to A.R.S.§ 42-5061 and Phoenix City Code§ 14-110, pipes or valves four inches in diameter or larger used to transport oil, natural gas, artificial gas, water or coal slurry, including compressor units, regulators, machinery and equipment, fittings, seals and any other part that is used in operating the pipes or valves are exempt from the imposition of sales or use tax.
4. **PALLET CHARGE**
All pallets supplied shall be non-refundable, no deposit.
5. **CONTRACT AWARD**
The City reserves the right to award a contract by individual line items or alternatives, by category of line items or alternatives, or to make an aggregate award of all line items, whichever is most advantageous to the City. If the Procurement Officer determines that the aggregate award of all line items approach is not in the City's best interest, any Offers submitted as being "all or none" shall be rejected.
6. **METHOD OF ORDERING (CONTRACT ORDER RELEASE)**
Individuals specifically authorized by the Deputy Finance Director, Procurement Division, will place verbal orders directly to Contractor without a purchase order number but must provide a contract order release (COR) number to the Contractor at the time of verbal order placement. Contract order releases will not be mailed to the Contractor. Invoices, packing slips, and delivery tickets must contain the City COR number. A written purchase order will not be issued.
7. **METHOD OF INVOICING**
Invoice must include the following:
 - A. City purchase order number, requisition number, or contract agreement number.
 - B. Items listed individually by the written description and part number.
 - C. Unit price, extended and totaled.
 - D. Quantity ordered, back ordered, and shipped.
 - E. Applicable tax.
 - F. Invoice number and date.
 - G. Requesting department name and "ship-to" address.
 - H. Payment terms.



SECTION III – SPECIAL TERMS AND CONDITIONS

CITY OF PHOENIX
Procurement Division
251 W. Washington Street
8th Floor
Phoenix, AZ 85003
Phone: (602) 262-7181

I. FOB terms.

8. **METHOD OF PAYMENT (CONTRACT ORDER RELEASE)**

Payment to be made from Contractor's invoice, a copy of the signed delivery slip, submitted to cover items received and accepted against the contract order release. Invoices must contain the COR number. The invoice shall be included with each delivery or promptly mailed directly to the ordering department.

9. **HANDLING OF PHOTOGRAPHS**

The US Department of Homeland Security has designated water and wastewater treatment facilities as 'critical infrastructure/key resources'. As a result of federal directives, only persons authorized by the WSD Security Management Unit are permitted to photograph or film Water infrastructure, facilities, and assets which any include, but are not limited to: pay stations, warehouses, lift stations, treatment plants, service yards, booster stations, well sites, vehicles and related equipment and supplies.

10. **EMPLOYEE AND BUILDING ACCESS**

All Contractor's personnel are to be in uniform and/or wearing identification badges that bear the employee's name and company name/logo. All personnel must be cleared by the facility security personnel prior to starting work. It is the Contractor's responsibility to provide updates and changes of personnel as necessary. Access to the building shall be directed by the City's authorized representative. Contractor's service personnel shall sign in at the security desk when arriving to service a facility and sign out when leaving.

Access to designated restricted areas is forbidden by Contractor's employees. Restricted areas are to be designated by the City's representative.

Only authorized Contractor employees are allowed on the premises of the City of Phoenix buildings. Contractor employee are not to be accompanied in the work area by acquaintances, family members, assistants or any other person unless said person is an authorized Contractor employee and cleared to be on site.

11. **PARTIAL PAYMENTS**

Partial payments are authorized on individual written contract order release number issued. Payment will be made for partial deliveries made and accepted by the City. Payment will be made only for the actual amount of items or services received and accepted by the City.

12. **OPTION TO EXTEND**

The City may, at its option and with approval of the Contractor, extend the period of this contract up to four (4) additional year(s), in increments of up to one year.

13. **LEGAL WORKER REQUIREMENTS**

The City of Phoenix is prohibited by A.R.S. § 41-4401 from awarding a contract to any Contractor who fails, or whose subcontractors fail, to comply with A.R.S. § 23-214(A). Therefore, Contractor agrees that:

A. Contractor and each subcontractor it uses warrants their compliance with all federal immigration laws and regulations that relate to their employees and their compliance with § 23-214, subsection A.

B. A breach of a warranty under paragraph 1 shall be deemed a material breach of the



SECTION III – SPECIAL TERMS AND CONDITIONS

CITY OF PHOENIX
Procurement Division
251 W. Washington Street
8th Floor
Phoenix, AZ 85003
Phone: (602) 262-7181

contract that is subject to penalties up to and including termination of the contract.

- C. The City of Phoenix retains the legal right to inspect the papers of any Contractor or subcontractor employee who works on the contract to ensure that the Contractor or subcontractor is complying with the warranty under paragraph 1.

14. **SPECIFICATIONS**

The specifications and/or drawings associated with this project are intended to generally describe a complete installation. Any additional materials or labor required for the complete project as intended shall be provided by the Contractor, whether or not it has been detailed in these documents.

15. **COOPERATIVE AGREEMENT**

In addition to the City of Phoenix and with approval of the Contractor, this contract may be extended for use by other municipalities and government agencies of the State of Arizona.

A current listing of eligible entities may be found at www.maricopa.gov/materials and then click on Contracts, "S.A.V.E." listing and "ICPA". Any such usage by other entities must be in accordance with the ordinance, charter and/or procurement rules and regulations of the respective political entity.

Orders placed by other agencies and payment thereof will be the sole responsibility of that agency. The City of Phoenix shall not be responsible for any disputes arising out of transactions made by other public entities who utilize this Agreement.

16. **INDUSTRY STANDARDS**

It is intended that the manufacturer in the selection of components will use material and design practices that are the best available in the industry for the type of operating conditions to which the item(s) will be subjected. Component parts shall be selected to give maximum performance, service life and safety and not merely meet the minimum requirements of this specification. All parts, equipment and accessories shall conform in strength, quality of material and workmanship to recognized industry standards.

The term "heavy duty" as used in these specifications shall mean that the item to which the term is applied shall exceed the usual quantity, quality or capacity supplied with standard production item(s): and it shall be able to withstand unusual straining, exposure, temperature, wear and use.

The City reserves the right to waive minor variation(s) if in the opinion of the **Water Services** the basic unit meets the general intent of these specifications.

The complete equipment/material bid shall not include a major component that is of a prototype nature or has not been in production for a sufficient length of time to demonstrate reliability.

If the specifications stated herein for component items do not comply with legal requirements, the offeror(s) shall so notify the City prior to the bid opening date.



SECTION IV - SCOPE OF WORK

CITY OF PHOENIX
Procurement Division
251 W. Washington Street
8th Floor
Phoenix, AZ 85003
Phone: (602) 262-7181

1. SCOPE

For the supply of the following industrial water pipe and miscellaneous fittings on an "as needed" basis during a one-year contract period beginning on or about one day after City Council approval, in accordance with the specifications and provisions contained herein.

GROUP I - ELBOWS

GROUP II - ELBOWS COMPRESSION

GROUP III - COUPLINGS, STRAIGHT

GROUP IV - FLEXIBLE COUPLINGS

GROUP V - WATER METER COUPLINGS, FLANGES, AND STOPS

GROUP VI - CORPORATION STOPS

GROUP VII - CURB STOPS

GROUP VIII - GATE VALVES

GROUP IX - CONVERSION ASSEMBLIES

GROUP X - COUPLINGS - CALDER

GROUP XI - SADDLE TEE

GROUP XII - REPAIR CLAMPS

GROUP XIII - TAPPED REPAIR CLAMPS

GROUP XIV - FULL CIRCLE CLAMPS

GROUP XV - STRAIGHT SMOOTH COUPLINGS

GROUP XVI - RESETTERS

GROUP XVII - MISCELLANEOUS FITTINGS

GROUP XVIII - PIPE

GROUP XIX - COLUMN PIPE

GROUP XX - TUBE AND SHAFT

GROUP XXI - PUMP COLUMN COUPLING

GROUP XXII - FLANGES

GROUP XXIII - NIPPLES

GROUP XXIV - STEEL COUPLINGS

GROUP XXV - BUSHINGS

GROUP XXVI - REDUCERS

GROUP XXVII - STEEL PIPE

2. TECHNICAL REQUIREMENTS

Service line valves and fittings shall comply with AWWA Specification C800 (ASTM B-62) for metal content. Bidder shall submit manufacturer's certification with their bid certifying compliance with the 85-5-5 brass allow specification.

The manufacturer and/or supplier are required to provide fittings that are manufactured in compliance with all applicable EPA, ADEQ, Maricopa County, and local requirements impacting the treatment and delivery of potable drinking water

CURB STOPS

Curb stops should have an all bronze body, tee head and stem. Stops shall be full flow and non-leaking in either direction. Stops shall not contain lubricated plugs, external stem nuts, nor metal to metal contact between the plug or ball and the stop body. The curb stops shall be checkless.

COPPER PIPE

Copper pipe shall comply with all the requirements of ASTM B-88, Type K.



SECTION IV - SCOPE OF WORK

CITY OF PHOENIX
Procurement Division
251 W. Washington Street
8th Floor
Phoenix, AZ 85003
Phone: (602) 262-7181

STEEL COUPLING

Steel couplings for steel standard pipe. All couplings to be less stops; bolts are to be electro-galvanized; couplings assembled only. Smith-Blair #411 or acceptable alternate. Sizes 1/2 through 2-inch.

CAST IRON COUPLING

Cast iron couplings for cast iron pipe and asbestos cement pipe. Couplings shall be straight couplings with standard sleeve lengths. Sleeve shall be gray iron ASTM-126 Class B. Ends to have a smooth inside taper or uniform gasket seating. Followers shall be malleable iron ASTM-A-47 grade 32510 or ductile iron ASTM-A-536. Gaskets shall be grade 30-standard specifically compounded rubber of all new materials. Bolts and nuts to be high strength low alloy steel with heavy, semi-finished hexagon nuts to AWWA C111 (ANSI A21.11) Standards. Smith-Blair #441 or acceptable alternate.

REPAIR CLAMPS

Bands must be stainless steel Type 304. Lugs to be malleable iron per ASTM A-47 Grade 32510 or ductile iron per ASTM 536. Bolts and nuts to be included shall be carbon steel ASTM A-307 electrogalvanized with di-chromate seal. Smith-Blair #245 or acceptable alternate.

FULL CIRCLE CLAMP COUPLINGS WITH SINGLE BAND

Bands to be stainless steel Type 304. Gasket to be a lap type with molded tapered ends. No finger or interlocking type gaskets acceptable. Bolts and nuts to be included shall be high strength low alloy steel with heavy semi-finished hexagon nuts to AWWA C111 (ANSI-A21.11) standards. Smith Blair #226 or acceptable alternate.

FULL CIRCLE CLAMPS WITH DOUBLE BANDS

Bands to be stainless steel Type 304. Gasket to be a lap type with molded tapered ends. No finger or interlocking type gaskets acceptable. Bolts and nuts to be included shall be high strength low alloy steel with heavy semi-finished hexagon nuts to AWWA C111(ANSI-A21.11) standards. Smith Blair #227 or acceptable alternate

TAPPED REPAIR CLAMP

Clamp shall be constructed of (18-8) Type 304 stainless steel. A stainless steel tapping boss shall be permanently welded to the stainless steel band and fully passivated. Clamps shall have a full width gasket with tapered overlapping sealing surface and shall be a minimum .25 inch thick. Bolts, nuts, and washers, are to be included, and shall be 304 Type stainless steel. AWWA (CC) thread shall be supplied for 3/4 and 1-inch tapped outlets. National Pipe Thread (IP) shall be supplied for 1-1/2 and 2-inch.

3. SAMPLES FOR EVALUATION

The City of Phoenix reserves the right to request product samples. Requests will be issued in writing, and the bidder shall have ten (10) days from the date of request to submit the item(s) requested. Any item(s) so requested shall be provided at no cost or obligation to:

Dominick Multari
Water Services Supplies Supervisor
Water Stores Warehouse
2500 S. 22nd Avenue
Phoenix, Arizona 85009

All sample(s) provided become the property of the City unless designated otherwise by the bidder. The City will be the sole judge of acceptability.



SECTION V - SUBMITTAL

**CITY OF PHOENIX
Procurement Division
251 W. Washington Street
8th Floor
Phoenix, AZ 85003
Phone: (602) 262-7181**

Please submit **one (1) original Submittal (Section V) and printed copy of pricing. Two (2) electronic media submitted on a Flash/Jump Drive with pdf (Submittal) and Excel (Pricing section).** Please submit only Section V, do not submit a copy of the entire document. This offer will remain in effect for a period of 120 calendar days from the bid opening date and is irrevocable unless it is in the City’s best interest to do so.

The Submittal (Section V) shall be a singular electronic file in Adobe Acrobat (.pdf) format and the title of the file IFB 15-163 (Offeror’s Name) “Submittal Section V. pdf”.

All pricing shall also be submitted in an **Excel file format (.xlsx)** only on the same electronic media (Flash/Jump Drive). PDF copy of the pricing section will be sufficient grounds for the City to consider your offer to be non-compliant.

All printed, excel spreadsheet, electronic media (Jump Drive), excel sheets in the Submittal Section must be completed and accurate with your response. It is permissible to copy both sections if necessary. Erasures, interlineations, or other modifications of your solicitation shall be noted by the authorized person signing the solicitation. No submittals shall be altered, amended or withdrawn after the specified solicitation due time and date. The City is not responsible for offeror’s errors or omissions. All time periods stated as a number of days shall be calendar days.

Any deviation from this solicitation shall be clearly stated and identified in a separate section titled Request for Consideration of Alternate Terms and must be included with your submittal. Solicitations submitted with additional/alternate terms, conditions or agreements may be considered as non-responsive and rejected.

Due to the complexity of the offers and to aid in the evaluation, the offers should contain all required information in tabbed sections as indicated in the electronic spreadsheet. Omissions or alternations of the electronic spreadsheet will be sufficient grounds for the City to consider your offer to be non-compliant.

The submittal shall include ample written evidence, in the form of technical specification, cut/tear sheets, brochures, pictures, drawing, etc., to demonstrate that all specifications herein have been met and/or exceeded.

Company Name _____



SECTION V - SUBMITTAL

**CITY OF PHOENIX
Procurement Division
251 W. Washington Street
8th Floor
Phoenix, AZ 85003
Phone: (602) 262-7181**

OFFER

TO THE CITY OF PHOENIX:

The Undersigned hereby offers and agrees to furnish the material and or service(s) in compliance with all terms, conditions, specifications, and addenda issued as a result of solicitation and any written exceptions in the offer.


Arizona Sales Tax No. _____

Use Tax No. for Out-of State Suppliers _____

City of Phoenix Sales Tax No. _____

Taxpayer's Federal Identification No. : If recommended for contract award, Offeror agrees to provide its federal taxpayer identification number or as applicable its social security number to the City of Phoenix for the purposes of reporting to appropriate taxing authorities, monies paid by the City of Phoenix under the awarded contract. If the Offeror provides its social security number, the City will only share this number with appropriate state and federal officials. This submission is mandatory under 26 U.S.C. § 6041A.

THE VENDOR MANAGEMENT SYSTEM ID NUMBER.
OFFEROR MUST BE IN COMPLIANCE AT THE TIME OF AWARD
NON-COMPLIANCE WILL RESULT IN SUBMITTAL BEING DEEMED NON-RESPONSIVE AND/OR REJECTED

<p>Enter Vendor Management System ID Number</p> <p style="text-align: center;">  ID number can be located by signing on at http://bizopps.phoenix.gov </p>	
---	--

Offeror has read, understands, and will fully and faithfully comply with this solicitation, its attachments and any referenced documents. Offeror certifies that the prices offered were independently developed without consultation with any of the other offerors or potential offerors.

Authorized Signature _____
Date

Printed Name and Title

Company Name

Address

City, State and Zip Code

Telephone Number

Company's Fax Number

Company Name _____



SECTION V - SUBMITTAL

**CITY OF PHOENIX
Procurement Division
251 W. Washington Street
8th Floor
Phoenix, AZ 85003
Phone: (602) 262-7181**

Company's Toll Free # _____

Email Address _____

Company Name _____

Solicitation No. IFB15-158

Page 32 of 33



SECTION V - SUBMITTAL

**CITY OF PHOENIX
Procurement Division
251 W. Washington Street
8th Floor
Phoenix, AZ 85003
Phone: (602) 262-7181**

ACCEPTANCE OF OFFER

The Offer is hereby accepted.

The Contractor is now bound to sell the materials or services listed by the attached contract and based upon the solicitation, including all terms, conditions, specifications, amendments, etc. and the Contractor's Offer as accepted by the City.

This contract shall henceforth be referred to as Contract No._____. The Contractor has been cautioned not to commence any billable work or provide any material or service under this contract until Contractor receives purchase order, or contract documentation.

CITY OF PHOENIX, a municipal corporation
Ed Zuercher, City Manager

City Clerk

Adriana Phillips, Acting Deputy Finance Director

Approved as to form this 19 day of November, 2014


Awarded this _____ day of _____, 2015.

This document has been approved as to form by the City Attorney and is on file with the City Clerk. It need not be submitted to the City Attorney for approval unless the form document is altered.

Company Name_____

Solicitation No. IFB15-158

Page 33 of 33

	TOWN OF FLORENCE COUNCIL ACTION FORM	<u>AGENDA ITEM</u> 8c.
MEETING DATE: March 6, 2017 DEPARTMENT: Public Works Department STAFF PRESENTER: Christopher A. Salas, Public Works Director/Town Engineer SUBJECT: Public Works Support Services Task Order No. 4 with EUSI, LLC.		<input checked="" type="checkbox"/> Action <input type="checkbox"/> Information Only <input type="checkbox"/> Public Hearing <input type="checkbox"/> Resolution <input type="checkbox"/> Ordinance <input type="checkbox"/> Regulatory <input type="checkbox"/> 1st Reading <input type="checkbox"/> 2nd Reading <input type="checkbox"/> Other

RECOMMENDED MOTION/ACTION:

Approval to extend the professional services contract term with EUSI, LLC, through March 31, 2018 and approval of Task Order No. 4 to the professional services contract for Public Works Management Support and Consulting Services, in an amount not to exceed \$56,400, plus project related fees.

BACKGROUND/DISCUSSION:

EUSI, LLC, was retained to provide Public Works Management Support and Consulting Services as well as Project and Program Management Services, as authorized by the Town. EUSI, LLC, will complement and supplement the Public Works Director/Town Engineer, Mr. Salas, in this capacity by providing technical and project and program management expertise, especially in the water and wastewater utility areas. The term of the original contract is February 10, 2016 through February 28, 2017. This request is to extend the original contract through March 31, 2018 in conjunction with approving Task Order No. 4. Task orders may be issued at any time during the term of the agreement.

Task Order No. 1 expired on August 10, 2016 (\$81,442.80 plus project related fees such as mileage)

Task Order No. 2 expired, February 28, 2017 (\$63,000, plus project related fees such as mileage).

Task Order No. 3a is to develop and provide a sampling and analysis plan for the permanent closure of the Town of Florence Wastewater Reclamation Facility polishing ponds under Aquifer Protection Permit No. P-100370 and to provide supplemental support services to the Town related to development agreement for proposed well drilling and conversion to service area wells. The cost is \$52,206, plus related fees.

Task Order 3b is to develop and provide permitting services for Dobson Lands Water Accounting, Recovery Well, and Groundwater Savings Facility Permitting. The cost is \$24,000, plus related fees.

Task Order No. 4, if approved, will provide a continuation of services through March 6, 2018 (Not to exceed \$56,400, plus related fees).

FINANCIAL IMPACT:

The fiscal impact of extending the original contract and approving Task Order No. 4 is \$56,400, plus project related fees, such as mileage. There will be no impact to the General Fund.

RECOMMENDATION:

Approval to extend the professional services contract term with EUSI, LLC, through March 31, 2018 and approval of Task Order No. 4 to the professional services contract for Public Works Management Support and Consulting Services, in an amount not to exceed \$56,400, plus project related fees.

ATTACHMENTS:

Contract with EUSI, LLC
Task Order No. 4

**TOWN OF FLORENCE
PROFESSIONAL SERVICES CONTRACT**

THIS PROFESSIONAL SERVICES CONTRACT (“**Contract**”), is made and entered into as of February 10, 2016 (“Effective Date”), and is by and between the Town of Florence, a municipal corporation of the State of Arizona (“**Town** ”), and EUSI, LLC (“**Contractor**”). The Town and the Contractor may be referred to in the Contract collectively as the “parties” and each individually as a “party”.

RECITALS

WHEREAS, the Town desires to Contract for Public Works Management Support and Consulting Services, Project and Program Management (PM) Services as specified in Exhibit A (“**Scope of Work**” or “**Services**”);

WHEREAS, Contractor is duly qualified to perform the requested services;

WHEREAS, Contractor has agreed to perform the services as set forth in Exhibit A attached hereto and incorporated herein;

WHEREAS, Town desires and Contractor agrees that this Contract is entered into by the parties, as a cooperative purchase pursuant to the City of Globe Professional Services Contract dated June 24, 2014 between the City of Globe and EUSI, LLC, and Contractor agrees that the master cooperative solicitation/Contract documents issued by the City of Globe for the Services (“Master Contract”) is in full force and effect and all terms and conditions of the Master Contract are incorporated by reference into this Contract.

NOW THEREFORE, in consideration of the mutual promises and obligations set forth herein, the parties hereto agree as follows:

AGREEMENTS

1.0 DESCRIPTION, ACCEPTANCE, DOCUMENTATION

Contractor shall act under the authority and approval of the Contract Administrator for the Town, further named herein, to provide the professional services required by this Contract.

1.1 Service Description. The Contractor shall provide the requested services as set forth in Exhibit A and as set forth in individual Task Orders (the “Services”). This Contract includes this agreement, including any attachments, and any Task Orders that may be issued as agreed to by the parties to implement the services. Task Order means a specific written agreement between the Town and Contractor for work to be performed under this Contract for an individual, mutually agreed upon scope of work, schedule and price. In response to Task Orders that may be mutually agreed upon and issued periodically by Town, Contractor shall perform the Services, except as may be specified elsewhere in the Contract which will be defined and further described as to specific project requirements in each Task Order. The Services shall be performed in accordance with the requirements set forth in each Task Order.

1.2 Acceptance and Documentation.

1.2.1 Each deliverable shall be reviewed and approved by the Town Manager or his designee to determine acceptable completion.

1.2.2. The Town shall provide all necessary information to the Contractor for timely completion of the tasks specified in Item 1.1 above.

1.2.3 All documents, including but not limited to, data compilations, studies, and/or reports, which are prepared in the performance of this Contract are to be and remain the property of the Town and are to be delivered to the Town Manager before final payment is made to the Contractor.

2.0 FEES, CATEGORIES OF SERVICE AND PAYMENTS

2.1 Fees. Contractor will be paid within 30 days of the receipt of an itemized invoice. Monthly payment may be made to Contractor on the basis of a progress report prepared and submitted by Contractor for the Services completed through the last day of the proceeding calendar month and for the production of the deliverables as spelled out in Exhibit A, and the individual Task Order approved by the Town.

2.2 Categories of Service. Services means in response to Task Orders, including Exhibit A, that may be mutually agreed upon and issued periodically by Town, Contractor shall furnish all necessary work which will be defined and further described as to specific project requirements in each Task Order.

2.3 Payment Approval. Amounts set forth in Section 1.1 and 2.2 represent the entire amounts payable under this Contract and shall be paid upon the submission of monthly invoices to and approved by the Town.

2.4 Business License. Contractor will purchase and maintain a business license with the Town of Florence.

3.0 SCHEDULE AND TERMINATION

3.1 Project Schedule. The Contractor shall perform the Scope of Work in accordance with the schedule attached as Exhibit A, and any Task Order.

3.2 Termination.

3.2.1 Termination for Cause: Town may also terminate this Contract with seven (7) days' prior written notice for cause in the event of any default by the Contractor, or if the Contractor fails to comply with any industry standards and customary practices terms and conditions of this Contract. Unsatisfactory performance as judged by Industry standards and customary practices, and failure to provide Town, upon request, with adequate assurances of future performance shall all be causes allowing Town to terminate this Contract for cause. In the event of termination for cause, Town shall not be liable to Contractor for any amount, and Contractor shall be liable to Town for any and all damages sustained by reason of the default which gave rise to the termination.

3.2.2 Termination for Convenience. The Parties reserve the right to terminate this Contract with or without cause upon 30 days' prior written notice. In the event the Town terminates this Contract pursuant to this Section 3.2.2, then in that event the Town agrees to

pay for the work performed prior to the date of termination. Town may terminate this Contract, or any part thereof for its sole convenience, at any time without penalty or recourse.

3.2.3 Termination for Violation of Law. In the event Contractor is in violation of any Federal, State, County or Town law, regulation or ordinance, the Town may terminate this Contract immediately upon giving notice to the Contractor.

3.3 Funds Appropriation. If the Town Council does not appropriate funds to continue this Contract and pay for charges hereunder, the Town may terminate this Contract at the end of the current fiscal period. The Town agrees to give written notice pursuant to Section 4.13 of termination to the Contractor at least thirty (30) days prior to the end of its current fiscal period and will pay to the Contractor all approved charges incurred through the end of such period.

3.4 Terms. The term of this Contract shall be from the Effective Date through March 31, 2018. Task Orders may be issued at any time during the term of this Contract. This Contract will remain in full force and effect during the performance of any Task Order. The contract may be renewed upon mutual agreement of the parties.

4.0 GENERAL TERMS

4.1 Entire Contract. This Contract constitutes the entire understanding of the parties and supersedes all previous representations, written or oral, with respect to the services specified herein. This Contract may not be modified or amended except by a written document, signed by authorized representatives of each party.

4.2 Arizona Law. This Contract shall be governed and interpreted according to the laws of the State of Arizona, without reference to choice of law or conflicts of laws principles thereof.

4.3 Modifications. Any amendment, modification or variation from the terms of this Contract shall be in writing and shall be effective only after approval of all parties signing the original Contract.

4.4 Assignment. Services covered by this Contract shall not be assigned or sublet in whole or in part without the prior written consent of the Finance Director and Contract Administrator. The Town acknowledges the sub-consultant(s) listed in Exhibit A and consents to the use of that sub-consultant.

4.5 Successors and Assigns. This Contract shall extend to and be binding upon Contractor, its successors and assigns, including any individual, company, partnership or other entity with or into which Contractor shall merge, consolidate or be liquidated, or any person, corporation, partnership or other entity to which Contractor shall sell its assets.

4.6 Contract Administrator. The Contract Administrator for the Town shall be the Town Manager or designee. The Contract Administrator shall oversee the execution of this Contract, assist the Contractor in accessing the organization, audit billings, and approve payments. The Contractor shall channel reports and special requests through the Contract Administrator.

4.7 Records and Audit Rights.

4.7.1 Contractor's records (hard copy, as well as computer readable data), and any other supporting evidence deemed necessary by the Town to substantiate charges and claims related to this Contract shall be open to inspection and subject to audit and/or reproduction by Town's authorized representative to the extent necessary to adequately permit evaluation and verification of cost of the service or work, and any invoices, change orders, payments or claims submitted by the Contractor or any of his payees pursuant to the execution of the Contract. The Town's authorized representative shall be afforded access, at reasonable times and places, to all of the Contractor's records and personnel pursuant to the provisions of this section throughout the term of this Contract and for a period of three years after last or final payment.

4.7.2 Contractor shall require all subcontractors, insurance agents, and material suppliers to comply with the provisions of this section by insertion of the requirements hereof in a written Contract between Contractor and such subcontractors, insurance agents, and material suppliers.

4.7.3 If an audit in accordance with this section, discloses overcharges, of any nature, by the Contractor to the Town in excess of one percent (1%) of the monthly billings, the actual cost of the Town's audit shall be reimbursed to the Town by the Contractor. Any adjustments and/or payments which must be made as a result of any such audit or inspection of the Contractor's invoices and/or records shall be made within a reasonable amount of time, not to exceed thirty (30) days from presentation of Town's findings to Contractor.

4.8 Attorneys' Fees. In the event either party brings any action for any relief, declaratory or otherwise, arising out of this Contract, or on account of any breach or default hereof, the prevailing party shall be entitled to receive from the other party reasonable attorneys' fees and reasonable costs and expenses, determined by the court sitting without a jury, which shall be deemed to have accrued on the commencement of such action and shall be enforceable whether or not such action is prosecuted to judgment.

4.9 Ineligible Bidder. The preparer of specifications is not eligible to submit a bid or proposal on the solicitation for which they prepared the specification, nor is the preparer eligible to supply any product to a bidder or Contractor on the solicitation for which they prepared the specification.

4.10 Independent Contractor.

4.10.1 The Services Contractor provides under the terms of this Contract to the Town are that of an Independent Contractor, not an employee, or agent of the Town. The Town will report the value paid for these services each year to the Internal Revenue Service (I.R.S.) using Form 1099.

4.10.2 Town shall not withhold income tax as a deduction from Contractual payments. As a result of this, Contractor may be subject to I.R.S. provisions for payment of estimated income tax. Contractor is responsible for consulting the local I.R.S. office for current information on estimated tax requirements.

4.11 Conflict of Interest. The Town may cancel any Contract or agreement, without penalty or obligation, if any person significantly involved in initiating, negotiating, securing,

drafting or creating the Contract on behalf of the Town's departments or agencies is, at any time while the Contract or any extension of the Contract is in effect, an employee of any other party to the Contract in any capacity or a consultant to any other party to the Contract with respect to the subject matter of the Contract. The cancellation shall be effective when written notice from the Town is received by all other parties to the Contract, unless the notice specifies a later time (A.R.S. § 38-511).

4.12 Compliance with Federal and State Laws.

4.12.1 The Contractor understands and acknowledges the applicability to it of the American with Disabilities Act, the Immigration Reform and Control Act of 1986 and the Drug Free Workplace Act of 1989.

4.12.2 Under the provisions of A. R. S. § 41-4401, Contractor hereby warrants to the Town that the Contractor and each of its subcontractors will comply with, and are Contractually obligated to comply with, all Federal Immigration laws and regulations that relate to their employees and A. R. S. § 23-214 (A) (hereinafter "**Contractor Immigration Warranty**").

4.12.3 A breach of the Contractor Immigration Warranty shall constitute a material breach of this Contract and shall subject the Contractor to penalties up to and including termination of this Contract at the sole discretion of the Town.

4.12.4 The Town retains the legal right to inspect the papers of any Contractor or Subcontractor's employee who works on this Contract to ensure that the Contractor or Subcontractor is complying with the Contractor Immigration Warranty. Contractor agrees to assist the Town in regard to any such inspections.

4.12.5 The Town may, at its sole discretion, conduct random verification of the employment records of the Contractor and any subcontractors to ensure compliance with Contractor's Immigration Warranty. Contractor agrees to assist the Town in regard to any random verifications performed.

4.12.6 Neither the Contractor nor any subcontractor shall be deemed to have materially breached the Contractor Immigration Warranty if the Contractor or subcontractor establishes that it has complied with the employment verification provisions prescribed by section 274A and 274B of the Federal Immigration and Nationality Act and the E-Verify requirements prescribed by A. R. S. § 23-214, Subsection A.

4.12.7 The provisions of this Section must be included in any Contract the Contractor enters into with any and all of its subcontractors who provide services under this Contract or any subcontract. "**Services**" are defined as furnishing labor, time or effort in the State of Arizona by a Contractor or subcontractor. Services include construction or maintenance of any structure, building or transportation facility or improvement to real property.

4.12.8 The provisions of this Section 4.12 must be included in any Contract the Contractor enters into with any and all of its subcontractors who provide services under this Contract or any subcontract.

4.13 Notices. All notices or demands required to be given pursuant to the terms of this Contract shall be given to the other party in writing, delivered by hand or registered or

certified mail, at the addresses set forth below, or to such other address as the parties may substitute by written notice given in the manner prescribed in this paragraph.

In the case of Contractor: EUSI, LLC
Kris Hendricks
4501 W. Tierra Buena Lane
Glendale, AZ 85306

In the case of Town: Town of Florence
775 N, Main Street
PO Box 2670
Florence, AZ 85132
Attn: Town Manager

Notices shall be deemed received on date delivered, if delivered by hand, or on the delivery date indicated on receipt if delivered by certified or registered mail.

4.14 Force Majeure. Neither party shall be responsible for delays or failures in performance resulting from acts beyond their control. Such acts shall include, but not be limited to, acts of God, riots, acts of war, epidemics, governmental regulations imposed after the fact, fire, communication line failures, power failures, or earthquakes.

4.15 Taxes. Contractor shall be solely responsible for any and all tax obligations which may result out of the Contractor's performance of this Contract. The Town shall have no obligation to pay any amounts for taxes, of any type, incurred by the Contractor.

4.16 Advertising. No advertising or publicity concerning the Town using the Contractor's services shall be undertaken without prior written approval of such advertising or publicity by the Town Contract Administrator. Written approval is required until such time as the project is complete or any adjudication of claims relating to the services provided herein is complete, whichever occurs later.

4.17 Counterparts. This Contract may be executed in one or more counterparts, and each originally executed duplicate counterpart of this Contract shall be deemed to possess the full force and effect of the original.

4.18 Captions. The captions used in this Contract are solely for the convenience of the parties, do not constitute a part of this Contract and are not to be used to construe or interpret this Contract.

4.19 Subcontractors. During the performance of the Contract, the Contractor may engage such additional Subcontractors as may be required for the timely completion of this Contract. The addition of any Subcontractors shall be subject to the prior approval of the Town. In the event of subcontracting, the sole responsibility for fulfillment of all terms and conditions of this Contract rests with the Contractor. The Town acknowledges the sub-consultant(s) listed in Exhibit A and consents to the use of that sub-consultant.

4.20 Indemnification.

4.20.1 To the fullest extent permitted by law, Contractor, its successors, assigns and guarantors, shall indemnify, defend, hold harmless Town of Florence, its agents, representatives, officers, directors, officials and employees from and against all allegations, demands, proceedings, suits, actions, claims, damages, losses, expenses, including but not limited to damages for personal injury or personal property damage, attorney fees, court costs, and the cost of appellate proceedings, and all claim adjusting and handling expense, related to, arising from or out of, or resulting from any negligent or intentional actions, acts, errors, mistakes or omissions caused in whole or part by Contractor relating to work or services in the performance of this Contract, including but not limited to, any Subcontractor or anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable and any injury or damages claimed by any of Contractor's and Subcontractor's employees.

To the fullest extent permitted by law, Town of Florence, its successors, assigns and guarantors, shall indemnify and hold harmless Contractor, its agents, Representatives, officers, directors, officials and employees from and against all allegations, demands, proceedings, suits, actions, claims, damages, loses, expenses, including but not limited to, reasonable attorney fees, court costs, and the cost of appellate proceedings, and all claim adjusting and handling expenses, related to, arising from or out of, resulting from any negligent or intentional actions, acts, errors, mistakes or omissions caused by the Town of Florence relating to work or services in the performance of this Contract.

4.20.2 Insurance provisions set forth in this Contract are separate and independent from the indemnity provisions of this section and shall not be construed in any way to limit the scope and magnitude of the indemnity provisions. The indemnity provisions of this sections shall not be construed in any way to limit the scope and magnitude and applicability of the insurance provisions.

4.21 Changes in the Work.

4.21.1 The Town may at any time, as the need arises, order changes within the scope of the work without invalidating the Contract. If such changes increase or decrease the amount due under the Contract documents, or in the time required for performance of the work, an equitable adjustment shall be authorized by written Change Order.

4.21.2 The Town will execute a formal Change Order based on detailed written quotations from the Contractor for work related changes and/or a time of completion variance. All Change Orders are subject to the prior written approval by the Town.

4.21.3 Contract Change Orders are subject to the Rules and Procedures within the Town's Procurement Code.

4.22 Co-op Use of Contract. The Town and Contractor agree that this Contract is entered into by the parties, as a cooperative purchase pursuant to the City of Globe Professional Services Contract dated June 24, 2014 between the City of Globe and EUSI, LLC, and Contractor agrees that the master cooperative solicitation/Contract documents issued by the City of Globe for the Services("Master Contract") is in full force and effect and all terms and conditions of the Master Contract are incorporated by reference into this Contract.

4.23 Alternative Dispute Resolution. If a dispute arises between the parties relating to this Contract, the parties agree to use the following procedure prior to either party pursuing other available remedies:

4.23.1 A meeting shall be held promptly between the parties, attended by individuals with decision-making authority regarding the dispute, to attempt in good faith to negotiate a resolution of the dispute.

4.23.2 If, within 30 days after such meeting, the parties have not succeeded in negotiating a resolution of the dispute, they will jointly appoint a mutually acceptable neutral person not affiliated with either of the parties (the “**neutral**”), seeking assistance in such regard if they have been unable to agree upon such appointment within 40 days from the initial meeting. The fees of the neutral shall be shared equally by the parties.

4.23.3 In consultation with the neutral, the parties will select or devise an alternative dispute resolution procedure (“**ADR**”) by which they will attempt to resolve the dispute, and a time and place for the ADR to be held, with the neutral making the decision as to the procedure, and/or place and time (but unless circumstances require otherwise, not later than 60 days after selection of the neutral) if the parties have been unable to agree on any of such matters within 20 days after initial consultation with the neutral.

4.23.4. The parties agree to participate in good faith in the ADR to its conclusion as designated by the neutral. If the parties are not successful in resolving the dispute through the ADR, then the parties may agree to submit the matter to binding arbitration or a private adjudicator, or either party may seek an adjudicated resolution through the appropriate court.

4.24 Town Provided Information and Services. The Town shall furnish the Contractor available studies, reports and other data pertinent to the Contractor's services; obtain or authorize the Contractor to obtain or provide additional reports and data as required; furnish to the Contractor services of others required for the performance of the Contractor's services hereunder, and the Contractor shall be entitled to use and rely upon all such information and services provided by the Town or others in performing the Contractor's Services under this Agreement.

4.25 Estimates and Projections. In providing opinions of cost, financial analyses, economic feasibility projections, and schedules for potential projects, the Contractor has no control over cost or price of labor and material; unknown or latent conditions of existing equipment or structures that may affect operation and maintenance costs; competitive bidding procedures and market conditions; time or quality of performance of third parties; quality, type, management, or direction of operating personnel; and other economic and operational factors that may materially affect the ultimate project cost or schedule. Therefore, the Contractor makes no warranty that the Town's actual project costs, financial aspects, economic feasibility, or schedules will not vary from the Contractor's opinions, analyses, projections, or estimates.

4.26 Access. The Town shall arrange for access to and make all provisions for the Contractor to enter upon public and private property as required for the Contractor to perform Services hereunder.

4.27 Third Parties. The services to be performed by the Contractor are intended solely for the benefit of the Town. No person or entity not a signatory to this Agreement shall be entitled to rely on the Contractor's performance of its services hereunder, and no right to assert a claim against the Contractor by assignment of indemnity rights or otherwise shall accrue to a third party as a result of this Contract or the performance of the Contractor's Services hereunder.

5.0 INSURANCE

5.1. General. Contractor agrees to comply with all Town ordinances and state and federal laws and regulations. Without limiting any obligations or liabilities of Contractor, Contractor shall purchase and maintain, at its own expense, hereinafter stipulated minimum insurance with insurance companies duly licensed by the State of Arizona (admitted insurer) with an AM Best, Inc. rating of B ++ 6 or above or an equivalent qualified unlicensed insurer by the State of Arizona (non-admitted insurer) with policies and forms satisfactory to Town of Florence. Failure to maintain insurance as specified may result in termination of this Contract at Town of Florence's option. The Contractor is primarily responsible for the risk management if its work under this Contract, including but not limited to obtaining and maintaining the required insurance and establishing and maintaining a reasonable risk control and safety program. Town reserves the right to amend the requirements herein at any time during the Contract. The Contractor shall require any and all subcontractors to maintain insurance as required herein naming the Town and Contractor as "Additional Insured" on all insurance policies, except Worker's Compensation, and this shall be reflected on the Certificate of Insurance. The Contractor's insurance coverage shall be primary insurance with respect to all available sources. Coverage provided by the Contractor shall not be limited to the liability assumed under the Indemnification provision of this Contract. To the extent permitted by law, Contractor waives all rights of subrogation or similar rights against Town, its representatives, agents, and employees. All insurance policies, except Workers' Compensation, required by this Contract, and self-insured retention or deductible portions, shall name, to the fullest extent permitted by law for claims arising out of performance of this Contract, Town of Florence, its mayor and councilmembers, agents, representatives, offices, directors, officials and employees as Additional Insureds. The Town reserves the right to require complete copies of all insurance policies and endorsements required by this Contract at any time. Failure to maintain the insurance policies as required by this Contract, or to provide evidence of renewal, is a material breach of Contract.

5.2 No Representation of Coverage Adequacy. By requiring insurance herein, Town of Florence does not represent that coverage and limits will be adequate to protect Contractor. Town of Florence reserves the right to review any and all of the insurance policies and/or endorsements cited in this Contract but has no obligation to do so. Failure to demand such evidence of full compliance with the insurance requirements set forth in this Contract or failure to identify any insurance deficiency shall not relieve Contractor from, nor be construed or deemed a waiver of, its obligation to maintain the required insurance at all times during the performance of this Contract.

5.3 Coverage Term. All insurance required herein shall be maintained in full force and effect until all work or services required to be performed under the terms of this Contract is satisfactorily performed, completed and formally accepted by the Town of Florence, unless specified otherwise in this Contract.

5.4 Policy Deductibles and or Self Insured Retentions. The policies set forth in these requirements may provide coverage which contain deductibles or self insured retention amounts. Such deductibles or self insured retention shall not be applicable with respect to the policy limits provided to Town of Florence. Contractor shall be solely responsible for any such deductible or self insured retention amount. Town of Florence, at its option, may require Contractor to secure payment of such deductible or self insured retention by a surety bond or irrevocable and unconditional Letter of Credit.

5.5 Use of Subcontractors. If any work under this Contract is subContracted in any way, Contractor shall execute written agreement with Subcontractor containing the same Indemnification Clause and Insurance Requirements set forth herein protecting Town of Florence and Contractor. Contractor shall be responsible for executing the agreement with Subcontractor and obtaining Certificates of Insurance verifying the insurance requirements.

5.6 Evidence of Insurance. Prior to commencing any work or Services under this Contract, Contractor shall furnish Town of Florence with Certificate(s) of Insurance, or formal endorsements as required by this Contract, issued by Contractor's insurer(s) as evidence that policies are placed with acceptable insurers as specified herein and provide the required coverage's, conditions, and limits of coverage and that such coverage and provisions are in full force and effect.

5.7 Required Coverage.

5.7.1 Commercial General Liability. Contractor shall maintain "occurrence" form Commercial General Liability insurance with a limit of not less than \$1,000,000 for each occurrence, \$2,000,000 Products and Completed Operations Annual Aggregate, and \$2,000,000 General Aggregate Limit. The policy shall cover liability arising from premises, operations, independent Contractors, products-completed operations, personal injury and advertising injury. Coverage under the policy will be at least as broad as Insurance limited to, separation of insureds clause. If any Excess insurance is utilized to fulfill the requirements of this paragraph, such Excess insurance shall be "follow form" equal or broader to coverage scope then underlying.

5.7.2 Worker's Compensation Insurance. Contractor shall maintain Workers Compensation insurance to cover obligations imposed by federal and state statutes having jurisdiction of Contractor's employees engaged in the performance of work or Services under this Contract and shall also maintain Employers Liability Insurance of not less then \$100,000 for each accident, \$100,000 disease for each employee and \$250,000 disease policy limit.

5.7.3 Commercial Auto Coverage. Auto Liability limits of not less than \$1,000,000 each accident, combined Bodily Injury and Property Damage Liability insurance. Certificate to reflect coverage for "Any Auto" or "All Owned, Scheduled, Hired and Non-Owned".

6.0 SEVERABILITY AND AUTHORITY

6.1 Severability. If any term or provision of this Contract shall be found to be illegal or unenforceable, then notwithstanding such illegality or unenforceability, this Contract shall remain in full force and effect and such term or provision shall be deemed to be deleted.

6.2 Authority. Each party hereby warrants and represents that it has full power and authority to enter into and perform this Contract, and that the person signing on behalf of each has been properly authorized and empowered to enter this Contract. Each party further acknowledges that it has read this Contract, understands it, and agrees to be bound by it.

IN WITNESS WHEREOF, the Town of Florence by its Mayor, Tara Walter has hereunto subscribed her name this ____ day of _____, 2017.

TOWN OF FLORENCE

By: _____
Tara Walter, Mayor

By: _____

Name: _____

Its: _____

ATTEST:

Lisa Garcia, Town Clerk

By: _____
Contractor

By: _____

Name: _____

Its: _____

Approved as Form:

Clifford L. Mattice, Florence Town Attorney

Exhibit A
Scope of Work

Town of Florence

Public Works Support Services Task Order 4

March 6, 2017

The Town of Florence (TOWN) hereby issues Task Order #4 to EUSI, LLC (CONTRACTOR) to provide overall Public Works Management Support and Consulting Services.

CONTRACTOR is retained by the TOWN to generally provide Public Works Management Support and Consulting Services as well as Project and Program Management (PM) Services as authorized in new Task Orders by the TOWN. The intent of the services provided by CONTRACTOR is to complement and supplement the TOWN's staff in an integrated manner to advance the TOWN's Public Works Departments and Divisions toward "Best Management Practices". The TOWN engages the CONTRACTOR to provide related Professional Services for the TOWN that may include, but are not limited to Public Works Management and Organizational Development, Project and Program Management, Regulatory Agency Support, Infrastructure Project Improvements, Utility Management Support, Utility Operation and Maintenance Support, Water Resource Policy and Strategic Planning Support Services. Additional Consulting and Support Services may also be assigned from time to time under new Task Orders as deemed to be in the best interests of the TOWN.

CONTRACTOR may assist TOWN with effectively and efficiently planning, organizing and assisting with management of programs related to public works and infrastructure projects.

CONTRACTOR may also provide PM and other Public Works Management Services as requested in future Task Orders by the TOWN, related to the management of design and construction projects specifically in the area of civil engineering such as general public works and utility projects, storm water management, street and traffic engineering, public works, infrastructure assessments, real estate, and utility coordination.

CONTRACTOR may also provide PM and Procurement Support Services to aid in the contracting of engineering and construction companies utilizing a wide range of project delivery methods.

CONTRACTOR may be requested by the TOWN under new Task Orders to provide project specific planning, procurement, permitting, engineering, construction, administration, and management functions for approved projects.

The CONTRACTOR working as an extension of TOWN's staff will work to initiate personnel training and development to optimization services delivered to the public. CONTRACTOR will facilitate and coordinate tasks with the TOWN's personnel.

The fee for the basic services in Task Order #4 shall be performed on a time and material basis with a not to exceed amount of \$54,000 extending from March 6, 2017 thru March 6, 2018.

Project related expenses, such as mileage, at current IRS rates, and other expenses associated with providing Task Order services will be invoiced at cost.

TOWN will provide access and use of Facilities and Equipment needed in the course of the Task Order;

TOWN will provide a location for CONTRACTOR to place and use their RV with electrical, water and sewer connections;

Focused Activities

- Provide Water and Wastewater as well as limited Public Works oversight and assist TOWN's staff in the improvement of Services, including but not limited to operations and maintenance services, record keeping and reporting, housekeeping and organization, document observations
- Assist TOWN's staff with the development of a "Best in Class" procedures and practices.
- Oversee the training of TOWN's staff with preparation of reports for the regulatory agencies.
- Advise TOWN relating to regulatory agency issues.
- Work to assist in the development of Water and Wastewater Utility Staff and leadership development within this group.
- Evaluate and work with TOWN's staff to make necessary improvements to overall services provided to the citizens of Florence.
- Be available to respond to supplemental service request and emergency conditions at the request of the Town. This includes phone consultation.

Specific Tasks

North Wastewater Plant

- Assisting in procuring and managing the Job Order Contractor in the following
 - Modifying the influent channel
 - Modifying the existing headworks
 - Diffusers, Blowers, and electrical
 - Implementation of the Belt Press

South Wastewater Plant

- Modifying the existing headworks

Private party water wells and recharge negotiations

Anthem at Merrill Ranch Town Water and Wastewater Facilities

- Develop a white paper on what is needed to implement the infrastructure with respect to existing Development agreements

TOWN OF FLORENCE

EUSI

By: _____
Tara Walter, Mayor

By: _____
EUSI:

ATTEST:

Lisa Garcia, Town Clerk

Approved as Form:

Clifford L. Mattice, Florence Town Attorney

Bills of Interest

Bill	Title	Description
HB 2177	municipalities; development; reimbursement zones	Allows towns to use the increased in property tax collection on a specific development to reimburse developers for infrastructure and other improvements
SB 1214	local governments; smallcell equipment permitting	Cox bill for streamlined process for cellular operators to install smallcell equipment in town ROWs. Issues being resolved through productive discussions.
HB 2365	wireless facilities; collocation; rights of ways	Verizon bill for streamlined process for cellular operators to install smallcell equipment in town ROWs. Major concerns exists, including flat \$20 fee.
SB 1243	misconduct involving weapons; public places	Concealed Carry Weapons permit holders can carry guns in public facilities unless there are armed guards and metal detectors present at each entrance.
HB 2156	county transportation excise tax; rates	Allows county to put forth a ballot initiative that can remove sales tax collected over a certain purchase price amount (vehicles, etc.). Related to RTA.
HB 2143	public contracts; procurement	Towns must bid out maintenance and projects that exceed \$25,000.
HB 2022	unlawful discharge of firearms; exception	Allows for the discharge of firearms that use a .22 caliber rat shot or snake shot ammunition within town boundaries.
HB 2212	federal financial assistance; reports	If towns receive any funds from federal government, they must generate a report showing how funds are being used and how towns would do without it.
HB 2179	municipalities; counties; intergovernmental agreements; require fire.	IGAs must be renewed every 8 years. There are ongoing discussions to identify exceptions, including police and
SB 1125	incorporation; urbanized areas	Areas with 15,000+ population do not require permission from surrounding towns (6 miles) if area is bigger than the community protesting the incorporation.
HB 2088	incorporation; urbanized areas	Areas with 15,000+ population do not require permission from surrounding towns (6 miles) if area is bigger than the community protesting the incorporation.



TOWN OF FLORENCE

Community Development Department

The Town of Florence will successfully capitalize on its favorable location, rich historical past, diverse neighborhoods, family-friendly parks and natural Sonoran desert setting to create a community and economic environment that is truly sustainable, desirable and respected. Florence will carefully blend the old with the new to strive to maintain its position as the heart and core of Pinal County (Town of Florence 2020 General Plan).

MEMO

To: Brent Billingsley, AICP, CFM
Town Manager

From: Mark Eckhoff, AICP, CFM
Community Development Director

Date: March 6, 2017 Town Council Meeting

Re: Activity Report

Ongoing projects and updates:

- The attached permit spreadsheet shows that the Town issued 3 single-family home permits for January of 2017 (please note that this report is written before the final February permit numbers were tallied).
- Staff received the initial Development Agreement application from Circle K regarding the development of their new store in downtown. Staff also set up a follow-up meeting with Circle K to discuss their application and various project updates. Circle K was able to acquire additional property adjacent to their site that will be incorporated into the overall site plan.
- The residential remodeling of the historic home (Robles-Feliz-Lopez Home) located at Butte Avenue and Bailey Street has commenced. This permitted project has been reviewed and approved by the Historic District Advisory Commission.
- Staff attended a kick-off meeting for the 2020 US Census with MAG and the US Census Bureau in February.

- Staff is working with the new owner of the former “Cody’s” building on Main Street in regards to the process of getting the building remodeled for a new retail business. Staff expedited a work session with the Historic District Advisory Commission (HDAC) and a walk-through of the building with various Town staff. In addition, the HDAC approved a Design Review application for this project on February 22nd. Staff is now awaiting a building permit from the owner so that construction can commence.
- Staff is working with the owners and business operators associated with the historic Smith building downtown. There is a three or more prong approach trying to close out the stipulated Certificate of Occupancy (CO) from one year ago, trying to get a plumbing permit issued and working towards getting an expanded CO issued that accounts for added business/assembly areas.
- The Highway 287 Medical Office Building (Sun Life) project started site grading and full construction should commence this month.
- Much work continues on the Town’s Strategic Plan project. A Strategic Plan Council Retreat was held on February 24th. Work is now underway on drafting the Strategic Plan, which we hope to present to Council on March 20th. The final plan should be ready for Council review and approval in April.
- Staff continues to have discussions with Southwest Value Partners (SWVP) about potential land swaps, plats, purchases, etc. Discussions have slowed over the past few months. Staff has also set in on recent discussions regarding their new CFD application.
- Staff continues to respond to inquiries regarding the purchase of land within the Anthem or Anthem at Merrill Ranch communities. This is an ongoing item. In general, staff believes that multiple parties are conducting their due diligence before going forward with possible land acquisitions.
- Staff continues to wait for new submittals from the engineering consultant working on the revised Mesquite Trails plats before being able to act on this item.
- Multiple subdivision plats for Anthem are now under review. There are several issues under discussion with Pulte impacting the plats moving forward at this time. Staff met with various representatives of Pulte Homes on February 22nd to discuss several issues pertaining to their PUD, DA and development.
- A request to extend the Preliminary Plat approval for a phase of the Walker Butte development has been made, but the applicant has the project on hold pending further resolution of matters pertaining to this plat. The Plat should be presented to the Planning and Zoning Commission in the near future.

- Sunbelt Holdings hired planners and engineers to update their plans for their proposed project along Arizona Farms Road. An update the Development Agreement will likely be proposed as well. An informal kick off meeting for this project planning was held in January.
- The owners of the Territory Square expansion area received Design Review approval for their new project. In addition, Council also authorized staff to negotiate the terms of a Development Agreement with the owners.
- Staff continues to look forward to working with the new owners of the downtown hospital on their probable re-use plans. Unfortunately, the owners have yet to present re-use plans for this facility and staff has been unable to get any recent project updates.
- The Pinal County Superior Court building expansion construction project is well underway.
- The Sunpower solar farm project east of Florence is making great progress. The plant should go fully operational in the first quarter of 2017.
- The building permit for the Cuen building restoration was issued on November 13, 2015 and extended in November of 2016. Though the owner made some progress on some structural and cosmetic issues on this building, the building remains far from complete and is not yet ready for occupancy. The owner has visited our Department a couple of times recently to report that he plans on getting more work done on this building in the near future. At a recent Council meeting, Council approved the owner's request for an extension to complete the required work on this project so that he has until the Fall to complete this project.
- Staff is keeping in touch with ADOT on the North-South Corridor and Passenger Rail projects. A long-awaited agency meeting was held recently to provide agencies with a project update. ADOT is committed to completing a draft Tier One Environmental Impact Study on the project and presenting a 1,500 foot wide corridor for public review in 2017. Staff continues to advocate our preferences for both corridors in our land planning activities.
- Unfortunately, there is no activity to report on the Mosaic Church project in the Anthem at Merrill Ranch community.
- Staff completed a draft updated Town's Sign Code along with the assistance of a project committee. The draft code was presented at Planning and Zoning and Historic District Advisory Commission meetings, as well as a Florence Chamber of Commerce forum. The document has been very favorably received thus far. Additional outreach, discussions and a formal adoption process are pending the review and direction of the Town Attorney. At this time, it may be the preference of the Town Attorney to defer this project a little more while we wait for other

cities to approve their sign code updates. This direction was reinforced by the Goldwater Institute's recent decision to challenge the City of Chandler's Sign Code.

- An annexation application has been filed and is under review. This is for property located on the north side of the Hunt Highway curve.
- After a long hiatus of the Superstition Vistas committee, staff just received notice that a meeting will be held in February 2017.
- Staff attended a kick off meeting with Pinal County regarding their proposed planning project for the San Tan Valley area.
- As is expected during this time of year, we continue to receive permits for new dwelling units in Florence Gardens and Caliente.
- Staff is working with the State Parks Department on some possible site improvements at McFarland State Park, including painting, a new sign, landscaping and possibly a new rear wall. Staff shared this update with the HDAC.
- Our Department has recently hired a new Building Inspector (Adam Raynor) and a new Senior Planner (Michelle Orton). We're excited to have our new team members.
- Staff is working with other departments and our consultant from Nu-Trend to enhance our One-Stop Shop permitting process and on the proposed upcoming adoption of the 2012 International Building Codes (on the 2006 series now).
- Staff continues to make contacts and prepares notices regarding code violations.
- The Director attended the 2017 ULI Trends Day event on February 23rd.
- GIS specific updates are as follows:
 - Continued work on Historic District web tool. Initial functionality has been completed and additional functionality is being worked on. Tool should be released for testing sometime in March.
 - Performed monthly county data update and SmartGov update.
 - Completed review of Anthem at Merrill Ranch Unit 3 Preliminary Plat.
 - Completed review of Anthem at Merrill Ranch Unit 5 Preliminary Plat.
 - Completed review of Anthem at Merrill Ranch Unit 7 Preliminary Plat.
 - Updated the historic district maps based on the data found from the data collection for the web tool being worked on.
 - Attended the Census 2020 Meeting at MAG.

- Continued supporting Administration for the NFID parcel challenges.
- Completed the 2017 Census BAS.
- Performed server maintenance on the GIS servers.
- Fulfilled two public records requests.
- Provided support for five different inquiries about our GIS data and processes.
- Began work on the 2017 Road to Country Thunder Map for Parks and Recreation.
- Supported Public Works in their Plan Scanning.
- Reviewed all other Town Owned Parcels and provided recommendations to optimize the maintenance of records on these properties.
- Updated the Town Fire Hydrant Records to reflect new tests and removals.

TOWN OF FLORENCE Building Permits for 2005 Thru 2016

Month	SFR 2005	SFR 2006	SFR 2007	SFR 2008	SFR 2009	SFR 2010	SFR 2011	SFR 2012	SFR 2013	SFR 2014	SFR 2015	SFR 2016	SFR 2017	M/F 2005 thru 2016	M/F 2017	M/H 2005	M/H 2006	M/H 2007	M/H 2008	M/H 2009	M/H 2010	M/H 2011	M/H 2012	M/H 2013	M/H 2014	M/H 2015	M/H 2016	M/H 2017	C/I 2005	C/I 2006	C/I 2007	C/I 2008	C/I 2009	C/I 2010	C/I 2011	C/I 2012	C/I 2013	C/I 2014	C/I 2015	C/I 2016	C/I 2017	Other 2005	Other 2006	Other 2007	Other 2008	Other 2009	Other 2010	Other 2011	Other 2012	Other 2013	Other 2014	
Jan.	1	6	29	51	1	20	4	7	20	16	10	22	3	0	0	1	3	4	3	1	2	1	1	0	1	1	1	0	0	0	1	5	0	0	1	0	0	0	1	2	0	30	13	28	23	42	33	32	32	35	61	
Feb.	3	53	27	46	0	23	5	7	10	8	4	19		0	0	0	4	5	3	2	3	0	2	0	0	0		0	1	2	2	3	3	0	2	0	2	4	5		21	3	27	28	22	33	22	30	27	50		
Mar.	13	51	58	48	3	29	5	8	20	14	21	15		0	0	3	6	6	4	2	1	2	0	2	1	0	0		0	4	3	3	5	1	2	1	1	4	0	2		16	20	32	29	44	12	34	30	48	35	
April	2	38	36	50	23	17	26	4	27	11	24	7		0	0	2	9	5	1	0	1	4	0	0	2	2	1		0	1	2	7	1	4	3	2	3	3	4	7		12	10	16	30	48	29	32	20	38	45	
May	1	50	53	53	33	24	16	20	14	15	18	18		0	0	3	13	1	0	1	1	1	1	1	0	2	1		0	3	3	9	1	0	2	1	1	3	3	1		12	10	26	14	14	28	31	33	41	24	
June	5	90	52	52	28	23	11	22	15	8	16	22		0	0	4	4	2	0	2	2	1	0	0	0	0		0	2	2	1	2	1	4	0	6	2	6	2		19	12	21	33	27	33	23	35	19	26		
July	3	32	54	57	35	15	5	12	11	20	24	13		0	0	2	5	1	0	0	1	0	0	0	1	0	0		0	2	3	2	1	0	6	6	1	6	3	3		9	16	22	36	26	14	17	24	24	18	
Aug.	0	19	32	38	16	6	13	12	19	9	12	12		0	0	1	1	3	0	0	0	1	0	0	0	1	0		0	0	0	9	3	1	1	1	1	4	4	1	0		5	10	28	27	28	15	19	23	39	14
Sept.	35	6	1	31	10	6	7	14	8	12	11	15		0	0	2	2	1	0	1	0	0	0	0	0	2	1		1	1	3	2	1	0	6	0	1	8	3	2		11	16	9	38	23	20	17	18	28	35	
Oct.	2	16	21	23	11	5	7	12	14	13	10	13		0	0	4	6	2	2	0	0	0	2	2	0	0		5	4	2	2	2	1	1	0	4	4	3	1		17	16	30	56	21	20	18	40	56	28		
Nov.	2	20	17	18	24	5	8	8	11	7	16	15		0	0	4	2	2	1	0	3	1	0	0	1	0	1		9	1	3	4	2	0	0	1	1	6	3	4		19	35	16	30	33	37	41	33	41	33	
Dec.	33	26	31	0	17	0	5	12	13	11	10	12		0	0	2	7	4	1	3	0	1	0	1	0	0		2	2	1	1	1	2	2	0	0	10	2	0		57	27	18	20	25	23	31	42	34	29		
Total	100	407	411	467	201	173	112	138	182	144	176	183	3	0	0	28	62	36	15	12	14	12	6	6	6	8	5	0	17	21	25	47	22	13	28	14	22	52	33	29	0	228	188	273	364	353	297	317	360	430	398	

1. SFR = New Single Family Residential Homes

2. M/F = New Multi-Family Residential (duplexes, triplexes, apartments, etc.)

3. M/H - Manufactured Homes, Mobile Homes and Park Models

4. C/I = Commercial/Industrial New/Tenant Improvements

5. Other = Pools, Sheds, Fences, Signs, etc.

The Court continues to strive in collections and hope to see an increase in tax intercepts this year. Per FARE (state's collection agency) Florence has increased their collections on delinquent accounts by 10% and is the top in Pinal County. Collections did slow down during the holidays but are expected to rise again.

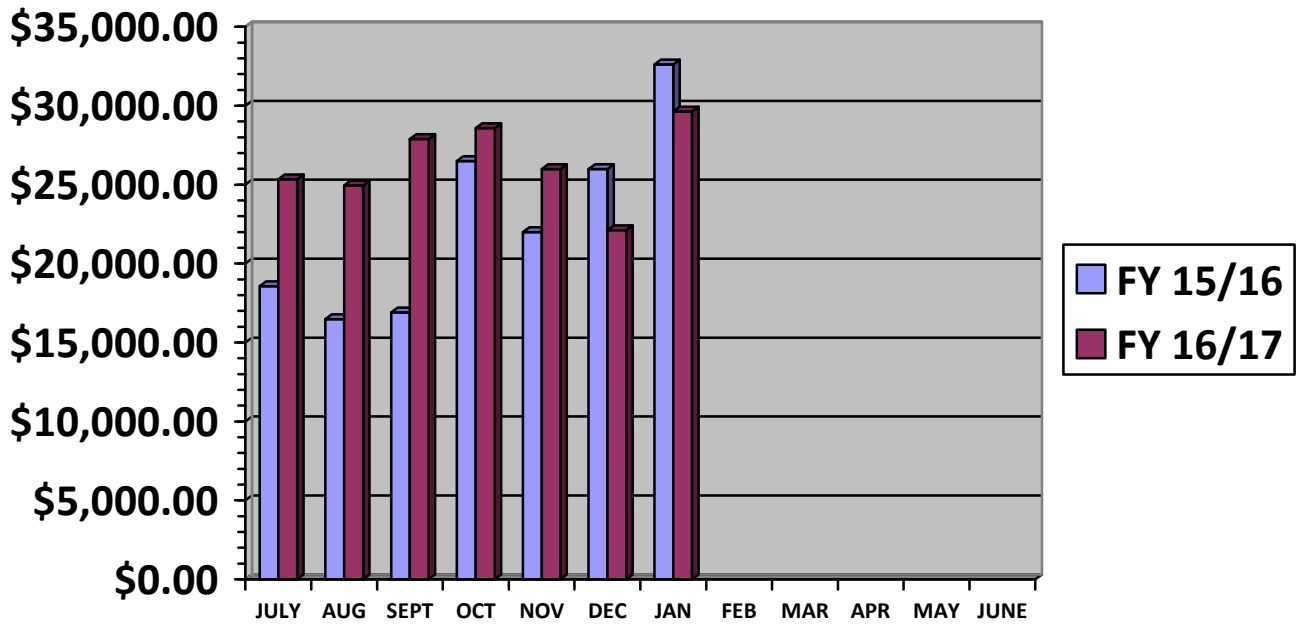
COURT FINANCIAL REPORT

JANUARY 2017

IRENE ENRIQUEZ – Senior Court Clerk

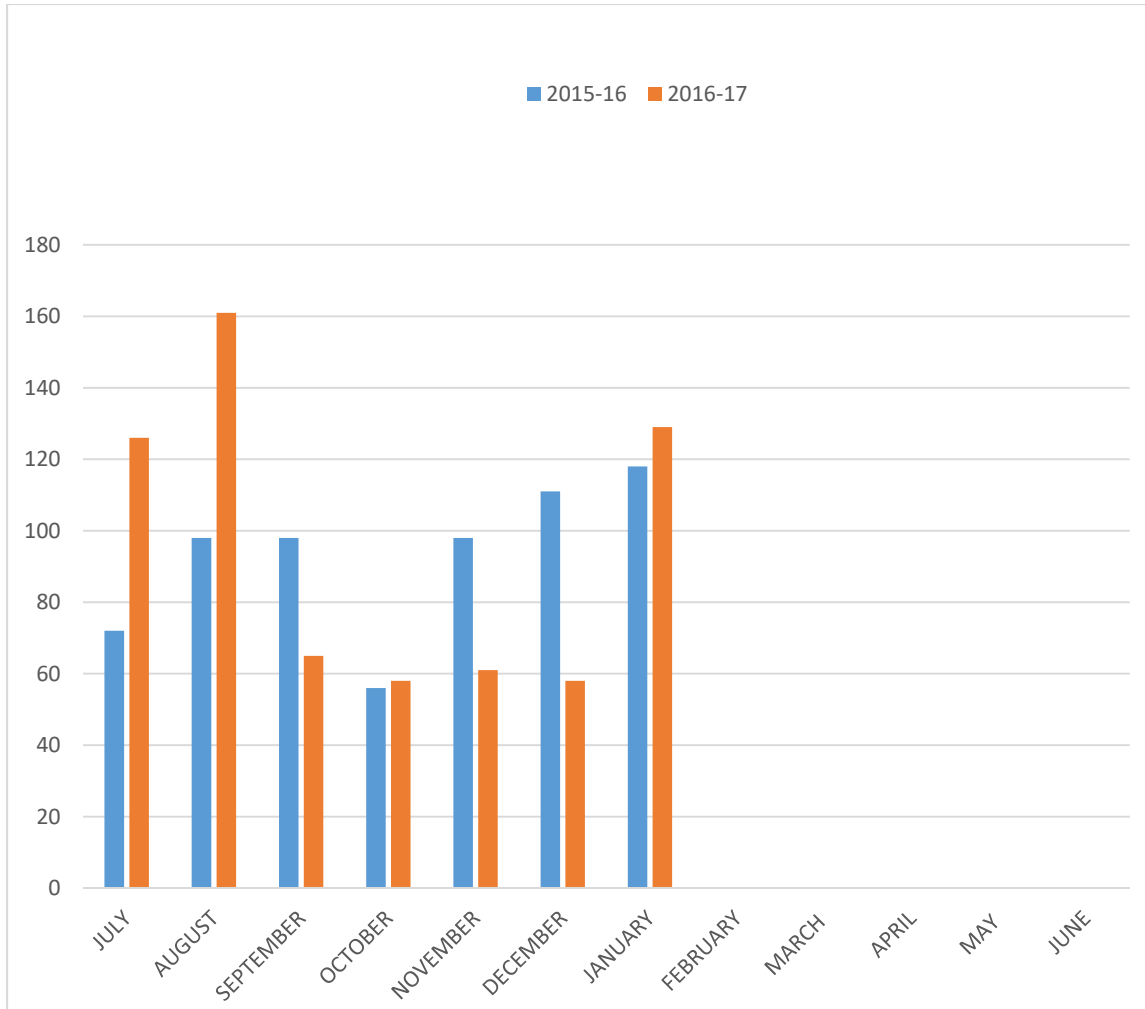
DISTRIBUTION TYPE	JANUARY 2017 (CURRENT)	JANUARY 2016 (LAST YEAR)
FINE, FEES, & TRAFFIC	\$12,465.88	11,816.40
STATE SURCHARGES	7958.37	8,923.72
STATE JCEF	381.27	527.60
LOCAL JCEF	205.30	284.09
STATE FINES	1,341.11	4,074.38
FLORENCE POLICE FUND	1,241.80	929.86
RESTITUTION	85.31	1,617.36
BONDS	2,282.00	788.00
PUBLIC DEFENDER FEE	486.65	18.65
JAIL HOUSING FEES	1,662.16	1,140.18
JUSTICE COURT FEES	45.11	52.85
GENERAL FUND	0.00	0.00
FARE SPECIAL COLLECTION FEE	990.27	2,061.08
FARE DELINQUENCY FEE	336.60	481.27
VICTIMS RIGHTS ENFORC.	79.77	94.48
DEPT OF PUB SAFETY FUND	0.00	2.36
DOMESTIC VIOLENCE ASSESS	0.00	0.00
OVERPAYMENT REFUND	0.00	0.00

COUNTY REVENUE	45.11	52.85
STATE REVENUE	11,087.39	16,162.53
TOWN REVENUE	16,061.79	14,189.18
Overpayment Refund	0.00	0.00
RESTITUTION AND BONDS	<u>2,367.31</u>	<u>2,405.36</u>
TOTAL MONTHLY REVENUE:	<u>\$29,561.60</u>	<u>\$ 32,612.28</u>



8.85% Decrease from 2016

COMPLAINTS AND CITATION FILED



	JUL	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2015 -	72	98	98	56	98	111	118					

2016 -	126	161	65	58	61	58	129					
--------	-----	-----	----	----	----	----	-----	--	--	--	--	--

CITATION BREAKDOWN

Below are the types of cases filed for the month of JANUARY 2017

CIVIL TRAFFIC VIOLATIONS	-	78
CRIMINAL TRAFFIC	-	20
CRIMINAL	-	21
DUI	-	6
DOMESTIC VIOLENCE	-	4



Finance Department Memorandum

To: Brent Billingsley, Town Manager
From: Joe Jarvis, Finance Director
Date: February 21, 2017
Re: Finance Department Report For January 2017



The following charts and graphs are for financial activity (cash basis) for January, 2017 (unaudited).

Comparison of General Fund Revenue and Expenditures Actual to Budget

GENERAL FUND	Budget	Actual	Budget to Actual
<u>Revenue by Category</u>			
Taxes	\$ 3,500,000	\$ 1,792,849	51%
Licenses and Permits	529,500	299,830	57%
Franchise Fees and Taxes	584,100	300,296	51%
Intergovernmental	7,516,355	4,455,270	59%
CE Inspection Fees	61,900	523	1%
Civil Engineering Fees	40,000	27,500	69%
Community Development Fees	186,500	89,596	48%
Charges-General Government	225,700	41,422	18%
Cemetery Fees	12,500	7,685	61%
Public Safety-Police	26,800	15,242	57%
Parks and Recreation	137,810	68,532	50%
Fines and Forfeitures	145,750	97,314	67%
Interest Earnings	100,000	38,004	38%
Public Safety-Fire	52,850	32,331	61%
Library	5,100	3,220	63%
Miscellaneous	43,100	61,876	144%
Economic Development	-	-	0%
Downtown Redevelopment	1,000	2,147	215%
Government Access Channel	7,900	1,043	13%
Seniors Fees	19,330	14,012	72%
Operating Transfer	1,588,453	881,104	55%
Total Revenue	\$ 14,784,648	\$ 8,229,796	56%
<u>Expenditures by Department</u>			
Town Council	\$ 128,821	\$ 78,727	61%
Administration	666,059	335,833	50%
Courts	178,000	104,117	58%
Legal	621,596	249,123	40%
Finance & Grants	791,328	459,725	58%
Human Resources	252,836	132,911	53%
Community Development	654,982	332,269	51%
Police Services	3,837,512	1,959,597	51%
Fire Services	2,918,693	1,607,840	55%
Information Technology	521,011	240,288	46%
Parks & Recreation Services	1,921,410	1,007,934	52%
Library	384,278	195,176	51%
Facility Maintenance	477,648	229,789	48%
General Government	1,129,224	395,151	35%
Cemetery	8,400	4,685	56%
Town Engineer	80,225	49,934	62%
Economic Development	145,561	74,731	51%
Total Expenditures	\$ 14,717,584	\$ 7,457,830	51%

- Taxes, franchise fees and intergovernmental revenues reflect a one- to two- month lag in collections
 Comparison of Revenue and Expenditures to Budget for the Town's Major Funds

Fund	Revenue			Expenditures		
	Budget	Actual	% Collected	Budget	Actual	% Expended
General	\$ 14,784,648	\$ 8,229,796	56%	\$ 14,717,584	\$ 7,459,284	51%
Capital Improvement	1,225,000	381,503	31%	1,225,000	113,342	9%
Highway User Revenue	8,049,977	1,628,563	20%	6,923,274	1,784,148	26%
Construction Tax - 4%	160,000	63,717	40%	-	-	0%
Food Tax - 2%	276,000	86,691	31%	-	-	0%
Town Water	2,717,550	1,734,821	64%	4,294,882	1,022,994	24%
Town Sewer	5,181,856	2,295,899	44%	5,229,218	1,655,422	32%
Sanitation	922,250	477,671	52%	900,487	519,190	58%
Total	\$ 33,317,281	\$ 14,898,662	45%	\$ 33,290,445	\$ 12,554,381	38%

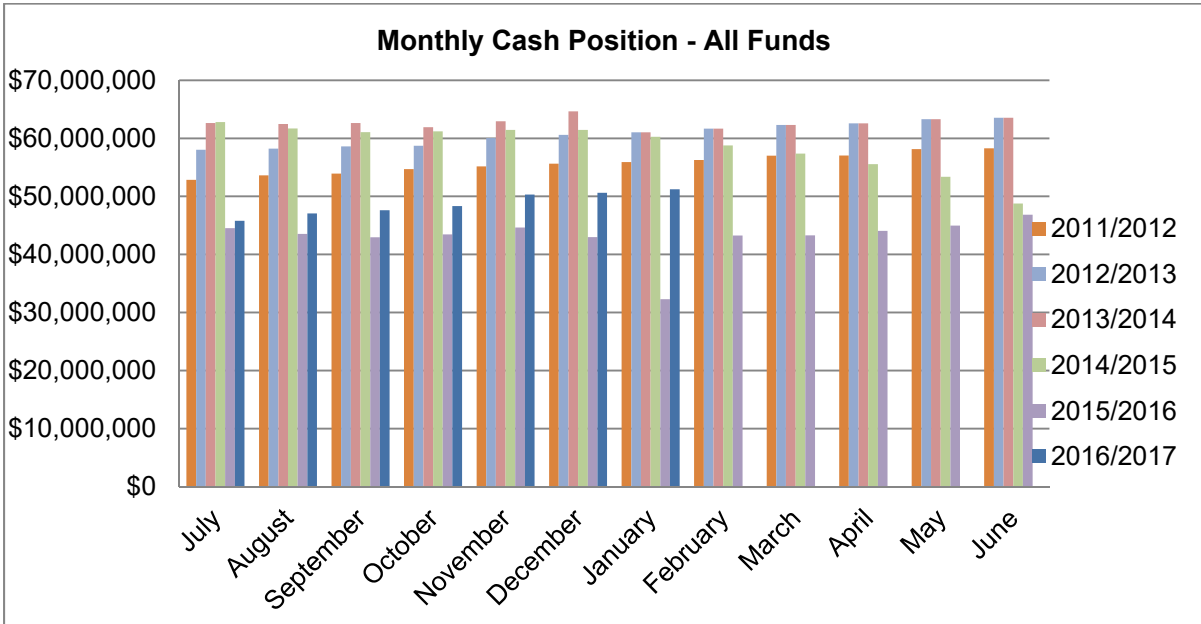
- Reported on cash basis. Revenues reflect a one- to two- month lag in collections.

Development Impact Fee Collections and Expenditures

Fee Fund	Beg. Fund Balance	Fee Collected	Interest	Ending Fund Balance
501 Sanitation	\$ 47,038		\$ 204	\$ 47,242
505 Transportation	507,979	57,438	2,242	567,659
506 General Government	-			-
508 Police	424,593	51,875	1,895	478,363
509 Fire/EMS	-	52,551	144	52,694
510 Parks	-	3,038	9	3,046
511 Library	-	17,417	53	17,471
596 Florence Water	222	30	(67)	185
597 Florence Sewer	179,682	90	486	180,258
598 North Florence Water	10,158		26	10,184
599 North Florence Sewer	12,638		50	12,688
Total	\$ 1,182,310	\$ 182,438	\$ 5,041	\$ 1,369,789

Cash and Investments – Bank Balances and Monthly Yield

Investment Report						
Account - cash balance	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17
NB/AZ - General Checking	\$ 12,007,457					
LGIP - 7256	\$ 8,929					
LGIP - 5953	\$ 233,981					
Stifel Nicolaus - Investments	\$ 38,972,941					
NB/AZ - PD Evidence	\$ 5,179					
Total cash	\$ 51,228,487	\$ -	\$ -	\$ -	\$ -	\$ -
Account - monthly yield	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17
National Bank Arizona	0.05%					
LGIP - 7256	0.43%					
LGIP - 5953	0.59%					
Stifel Nicolaus - Investments	1.40%					



Fire Department

MEMORANDUM

DATE: February 13, 2017

TO: Brent Billingsley, Town Manager

FROM: David Strayer, Fire Chief

SUBJ: Summary of January 2017 and Plans for February 2017

The fire responses for 2017-2015 are as follows:

January 2017	Location of Calls					
Type of Calls	<i>Florence Proper</i>	<i>Florence Gardens</i>	<i>Anthem</i>	<i>Prisons</i>	<i>Mutual Aid</i>	<i>Totals</i>
Brush Fires	0	0	0	0	0	0
Structure Fires	3	0	0	0	1	4
Vehicle Fires	0	0	1	0	0	1
Trash Fires	0	0	0	0	0	0
EMS	78	19	22	53	0	172
HazMat	3	0	2	3	0	8
Electrical Arching	0	0	0	0	0	0
Police Asst./Public Asst.	8	12	7	0	1	28
Unauthorized Burning	0	0	0	0	0	0
Good Intent	0	0	0	0	0	0
Controlled Burning	0	0	1	0	0	1
False Alarm/System Malfunction	6	0	2	0	0	8
Emergency Stand by (move up)	23	0	18	0	9	50
Other Calls	3	0	4	0	1	8
TOTALS	124	31	57	56	12	280

Three Year View	2017		2016		2015	
	Jan	YTD	Jan	YTD	Jan	YTD
EMS	172	172	211	211	159	159
Fire Calls	5	5	3	2	4	4
All other Calls	103	103	69	69	61	61
TOTALS	280	280	283	283	224	224

Summary of January



Fire Safe Seniors Program	January 2017
Home Inspections	36
Smoke Detectors Installed	67
Vial for Life Participant	36

Fire Chief Report

- **Major announcement: Received the Insurance Services Organization (ISO) report in January. Multiple improvements from the last grading period resulted in an upgrade for the Town of Florence from Class 4 to Class 3 rating.**
- .Attended December Town Council Meetings
- Attended December Management Team Meetings
- Conducted a meeting with the Florence Public Safety Planning Group regarding upcoming public safety training and the development of a multi-year training plan.
- Held Fire Staff meetings managing & coordinating department activities
- Attended Development Agreement meetings on the Windmill Winery expansion
- Attended Development Agreement meetings on the Medical Officer Building
- Implemented the Fire Safe Seniors program. This program is off to a very successful start with **110 requests for inspections received in the first month.**
- Hosted a meeting with the Chief Operating Officer of Vista Medical Center and the Base Hospital Director on patient destinations and medication restock.
- Conducted a meeting with a committee formed for the Pinal County Historical Society to restore 3 Florence Fire apparatus and set up a display area.
- Conducted an orientation meeting with new reserve Firefighters
- Made a fire safety presentation for the Florence Chamber of Commerce
- Attended a Country Thunder Planning meeting.
- Arranged a meeting with EMC2 (emergency notification software company), the Florence PD and IT Departments and the Pinal County dispatch center to coordinate the implementation of this software for a trial period.
- Attended the January Pinal County Fire Chief's meeting in Arizona City

- Made a fire safety presentation for the Library Coffee Club.
- Met with Fire Crews on departmental goals for 2017
- Attended a meeting with the National Guard on fire coverage for their facilities
- Held two meetings from individuals in the County requesting fire coverage.
- Attended a Capital Improvement Project meeting.
- Attended a meeting with Conquest Arms regarding an expansion of their facility.
- Attending an emergency responders coordination meeting with Magma Flood Control regarding properties in the County adjacent to Fire Station 542.
- Attended a meeting with Human Resources regarding upcoming changes to the public safety retirement systems.
- Submitted a request for Opticom preemption for the new traffic signal at 1st and Diversion Dam Road.

Division Report – Administration

Inspections

- Site Inspection ATV Sales Property
- Public Works Facility

Plan Reviews

- Windmill Project

Permit Reviews

- Corn Hole Special Event. Down town.
- Model Air Show- Rodeo Air Park.
- Parish Festival- 221 E 8th Street
- Historic Home tour . Down Town
- Prison Run. Rodeo Grounds and Down Town.
- Caliente Car Show. Caliente parking lot.
- Spring Fling Parade – FD requested to attend parade.

Meetings

- Pre-Application 390 N Main (Old Codeys bldg.)
- One-Stop Shop Procedures and Systems
- Team Meeting Medical Offices
- FEE Committee
- Country Thunder Town Contract
- DEMA Fire Marshal MOU Review

- DEMA Haz-Mat working Group
- Windmill Winery
- PMJD Storage Project
- Meeting Public Works

Projects

- Terrorism Liaison Officer (TLO) Updates
- Fee Schedule Evaluation Revision Project
- Code Amendment
- FEE Schedule
- Code review check list (Plan Reviewer)
- Haz-Mat Tech Train-the-Trainer planning Meeting

Division Report – Operations

- EMS updates to 2017 offline medical direction for paramedics distributed to Department. 14 changes have occurred for 2017: Destination Guideline to give EMS direction on destination for appropriate patient care and guidance with patient choice. Adult respiratory distress removed a medication. Adult Sepsis awareness for better patient care. Adult pain management dose change. Adult sedation awareness for special considerations. Adult ACS drug dose change. Pediatric intubation and vital signs awareness for weight conversions. Pediatric Sepsis new direction for better patient care. Trauma Triage for vehicle accidents. Drug profiles updated.
- Ordered pediatric pulse oximetry to better care for pediatric patients.
- Request for participation in CAVIT advisory board
- Traffic incident management class sponsored by AZDHS, DPS and ADOT we have one attending in Feb.
- Working with FPD in Public Health Excellence in Law Enforcement with training for new equipment and medications.
- Working Information Technology on tablet batteries, phones and emergency response software.
- Initiated 2017 training ISO training tracker through target solutions.
- Continuing communications on AMR ambulance contract.
- Three apparatus serviced with oil changes, safety inspections, tire replacement, foam pump, seat belt etc..
- Extrication equipment on L2542 getting service and needing repairs. this is a back up set and does not affect daily response.

- Continuing to define roles in staffing program and utilize employee pay reports for finance.
- Continued monthly paramedic medication restock program through base hospital Mountain Vista Medical Center.
- Conducted meeting with Chief Operating Officer Mountain Vista Medical Center on patient destinations and medication restock.
- Working with University of AZ on data for Traumatic Brain Injuries with in the Town.
- Preparing for MAG 300 Intermediate Incident Command course hosted by Florence lead instructor Chief Strayer.
- Preparing for February events where Fire Department representation is requested.
- Two paramedic programs are getting ready to initiate clinical ride-a-longs for paramedic students to gain vehicular experience and hours. The FFD provides mentorship for paramedic students prior to their graduation. We have one Firefighter in such training through contract partnership.
- Preparations are underway for community risk reduction for Road to Country Thunder and staffing for Country Thunder Fire protection contract.
- Two sets of turnouts purchased for new reserve firefighters.
- Working on Fire Investigation software for NFPA 921 reporting.
- Working with Public Works, ADOT and Prevention for opticom components for street lights to assist emergency responder's quicker access through traffic signals.
- Conducted a seniority based "bid" for positions within the department to allow members a choice in work assignments.
- Town safety committee meeting lead Scott Barber.
- Annual Personnel Medical Physicals two thirds conducted in January will be completed in February. With exposures to smoke, chemicals and communicable diseases the annual physical enables the members to better understand their health and risk factors.
 Medical History, Physical Examination (include skin cancer screen), Vision Test (Titmus), Audiometry Examination, Chest Radiograph (2-view) with Radiologist Interpretation, Complete Blood Count, Comprehensive Metabolic Panel, Thyroid, Lipid Panel, Prostate Specific Antigen (Male over 40), Pap Smear/Breast Examination (Female if requested), Urinalysis dipstick, Occult Blood Test, Tuberculosis Questionnaire, Tuberculin Skin Test, Psychological Self-Rating, evaluation (PHQ9), Pulmonary Function Test with interpretation, Resting ECG with interpretation, Wildland Firefighter Arduous Duty Medical Screening (Red Card) when required



Fire Safety Drawing Contest Winners from the American Leadership Academy (Fire Station 542, B Shift hosted a spaghetti dinner for them)

Plans for February

- Development agreement meeting on Artisan Acres scheduled for February 8, 2017
- Local Emergency Planning Committee meeting scheduled February 9, 2017
- Fire Safe Seniors presentation scheduled for Florence Gardens February 11, 2017
- Country Thunder planning meeting scheduled for February 14, 2017.
- Pulte/AMR meeting scheduled for February 21, 2017.
- A regional training planning session is scheduled on February 22, 2017
- Additional smoke detectors have been donated to Florence Fire. Scheduled for pick up on February 14, 2017.
- A development agreement meeting with Circle K is scheduled for February 16, 2017.
- Fire Department safety training for the Anthem/Sun City Hiking Club is scheduled for February 23, 2017.
- A Strategic Planning session is scheduled for February 24, 2017.

Florence Community Library

January 2017

January Statistics

- 11,396 total items were circulated in January
- 152 library cards were issued
- 1,307 patrons signed up for use of the computer lab computers
- 2,275 wireless sessions were held
- 229 person(s) attended 17 program(s) presented by the library

January Activities

1/02/17	Library Closed for New Year's
1/03/17	Bricks 'n' Blocks
1/04/17	Family Storytime
1/04/17	Book Club
1/05/17	Make It – Take It Craft
1/06/17	Librarian Jasper Halt attended an Arizona State Library grants training workshop
1/06/17	Family Flick
1/09/17	Teen Movie
1/11/17	Family Storytime
1/12/17	Tech Class: Library Digitization Station
1/12/17	Adult Coloring
1/14 – 1/16	Library Closed for Martin Luther King Jr. Day
1/18/17	Family Storytime
1/18/17	Early Release Craft
1/19/17	Library Coffee Club, with a presentation by Fire Chief Strayer
1/19/17	AZ Humanities Program: <i>Who Did You Say Was Here?</i>
1/20/17	Open Mic
1/21/17	January Movie
1/25/17	Family Storytime
1/28/17	January Movie – Encore Presentation
1/31/17	Library Assistant Gloria Moreno attended a Digital Media Training

Upcoming Events

20th Annual Bookmark Design Contest: Bookmarks Due Friday, March 3

Friday, March 3 is the deadline to turn in bookmarks for the Florence Community Library's 20th Annual Bookmark Design Contest.

This free contest is open to all kindergarten through 12th graders currently attending or homeschooling in the Florence Unified School District. Entry forms have been distributed to all schools. Entry forms are also available at the Florence Community Library and printable on the Town of Florence web site, under "Library Services."

Prizes will be awarded at the Bookmark Awards Ceremony on Friday, March 31, at 6:00pm. The first place bookmark will be reproduced and distributed during National Library Week, April 9 through April 15. Late entries are not accepted.

If you have questions, please contact the library at (520) 868-8311.

Memorandum



To: Brent Billingsley, Town Manager
From: Bryan C. Hughes, Parks and Recreation Director
Date: February 21, 2017
Re: February 2017 Department Report

The Parks and Recreation Advisory Board met on January 26th. The Board voted to meet quarterly in 2017 and the next meeting is scheduled for April 27th. Special meetings will be called, if necessary, to discuss with pending topics.

The Old Town Cornhole Super Cup held on Saturday, January 28th was a success with a 24 teams participating. Parks and Recreation partnered with the American Legion to host this event in the downtown area, where a large crowd of participants and spectators cheered each other on along 6th Street.

John Nixon and Barb Scoby attended a workshop on February 2nd dealing with joint programming by parks and recreation and libraries. The workshop was hosted by the Arizona Parks and Recreation Association. Both Barb and John came back with some good ideas that we plan to share with both the Library and Recreation Staff.

Parks and Recreation partnered with Florence Police Department and the Masonic Organizations of Arizona on the Child Identification Project on February 4th at the Library and Community Center. The project helps parents document details about their children or loved ones that would help law enforcement in the event of an emergency. The Masonic organizations praised the facility and are looking to hold the event again in the fall.

The Arts and Culture Commission met on February 9th. Jo Cochran was elected Chair and Ann Rankin Vice-Chair for 2017, and new member Doris Hagemann was introduced to the Commission. The Board voted to hold monthly meetings at 3 p.m. in 2017.

The Dorothy Nolan Senior Center held their annual "No Talent, Talent Contest" on February 10th.

The World Cup Soccer program for kids began on February 11th at the new Aquatic Center Multi-Purpose Fields. There are now 77 participants registered, which is the most in recent years.

Linda Armstead, Recreation Leader, attended the Lifestyle Open House at the Sun City Anthem Union Center on February 11th to share information about the Durable Medical Equipment Loan program.

The 32nd Annual Historic Home Tour was held on Saturday, February 11th. There were over 800 paid participants and well over 1,000 people overall that came to Historic Downtown Florence. Highlights of the Home Tour included:

- Quick Draw event at the Suter House coordinated by the Arts and Culture Commission. Seven artists created paintings in 2 ½ hours, which were then auctioned off raising \$380 for future programs.
- The San Tan Foothills High School Drama Club “Sabercat Players” held two performances re-enacting the Pearl Hart murder trial at the 1891 Pinal County Courthouse. Both performances were standing room only.
- The Pinal County Historical Society and Museum hosted the Buffalo Soldiers Reenactment Camp.

The Florence Aero Modeler Club had an event at the Aero Modeler Park on February 11th. Another event, Warbirds over Florence, will be held on Saturday, March 11th. Approximately 100 pilots and spectators attend these monthly events during the season.

The Florence Teen Council (FTC) is led by Kim “Koko Hunter and Recreation Staff.

- Members of the FTC went to the Phoenix Suns game on January 28th.
- Members of the FTC volunteered at the Historic Home Tour in February 11th, with the teens volunteering alongside adult volunteers.
- The FTC is hosting the first Teen Leadership Symposium on Wednesday, March 1st. The symposium will consist of an opening and closing session, as well as some breakout sessions focusing on issues facing today’s teens. A limited number of youth councils from other cities and towns will be invited to attend and share what is going on in their respective communities.
- Members of the FTC are tentatively scheduled to go to a Spring Training Game during Spring Break.

The teens meet twice a week after school on Monday and Wednesday at 3 p.m. The group is splitting their time between the H.S. and the Library and Community Center for their meetings.

Parks and Recreation Staff have been actively working with Florence Little League recently on their upcoming season, including providing space at the Library and Community Center for registrations, performing field maintenance, updating equipment and coordinating practice and game schedules.

Pulte Homes was recognized by the Town Council at the February 21st meeting for their \$10,000 sponsorship of the 150th Anniversary. Alison Feliz presented Randy Christman of Pulte Homes with a shadow box containing a recognition certificate, 150th anniversary t-shirt, and will send a photo of Mr. Christman with Mayor Walter to be added later.

The 32nd Annual Home Tour Committee and the San Tan Foothills High School Drama Club “Sabercat Players” were recognized by the Town Council at the February 21st meeting for their efforts at this year’s Home Tour.

Participants from the Dorothy Nolan Senior Center held their Adopt-A-Highway clean-up on Hunt Highway near Poston Butte on February 22nd. Thank you to all the volunteers that helped!

Staff has begun interviewing students and young adults for seasonal positions at the Aquatic Center. Prior to recruitment, two recruitment open houses were held for prospective employees. The results have been positive, with over 60 applications received for the 40 positions. Prospective employees will need to register for and pass their Lifeguard Training Course being held over Spring Break. In addition, several of the staff from previous seasons are planning to return, which should help overall operations this summer.

**Parks and Recreation Department
Divisions Report
January 2017**

Recreation/Aquatics/Special Events Programs

Recreation Programs	Participants	Revenue	Notes
Before & After the Bell - Anthem	16	\$280	
Before & After the Bell - Florence	17	\$297.50	
Hatha Yoga		\$	Cancelled; lack of registrations
Cake Decorating Class		\$	Cancelled; lack of registrations
Adult Wiffle Ball Tournament (individual)		\$	Cancelled; lack of registrations
Adult Co-Ed Wiffle Ball Tournament (team)		\$	Cancelled; lack of registrations
Adult Teen Wiffle Ball Tournament (individual)		\$	Cancelled; lack of registrations
Adult Teen Wiffle Ball Tournament (team)		\$	Cancelled; lack of registrations
Karate for Kids I (6-10)		\$	Cancelled; lack of registrations
Karate for Kids (11-17)		\$	Cancelled; lack of registrations
Breakfast with Santa		\$	Cancelled; lack of registrations
Christmas on Main Parade Entry	1	\$25	Bulk entries were in November

Facility Use Permits

Number of Facility Use Permits	Number of Bookings	Estimated Number of Participants	Revenue Generated

Fitness Center – Membership Package

Fitness Package Sales	Total	Revenue
Drop-In Fitness	32	\$160
Adult 6 Month	1	\$90
Adult Monthly	81	\$1,476
Adult Annual		
Sr. Annual		
Employee Pass	14	Free
Green Tree Inn	17	Billed thru A/R
Sr. 6 Month		
Sr. Monthly		
Youth Monthly		
Total Memberships	145	\$1,726

Fitness Center – Classes

Program	Resident	Non-Resident	Revenue	Notes
Silver Sneakers Classic	6		\$60	
Silver Sneakers Classes	2		\$10	
Exercise Class			\$	
Circuit Training	6		\$5	
Stretch it Out	3		\$	

- Estimated member sign-ins throughout the month: 646
- Total membership packages sold in January: 64
- Fitness Center revenue for January membership package sales: \$1,008
- Fitness Classes revenue for January: \$70
- Total January Revenue: \$1,078

Miscellaneous Revenue

Product	Total	Revenue	Notes
150 th Commemorative Mugs	2	\$12	
150 th Commemorative T-Shirts	1	\$9	
150 th Commemorative Mouse Pads	3	\$9	
150 th Commemorative Banners	1	\$50	
Home Tour Tickets	26	\$260	
Home Tour Vendor	3	\$150	
HT ¼ Page AD	2	\$100	
HT ½ Page AD	1	\$80	
HT Full Page AD	2	\$300	

Dorothy Nolan Senior Center

Activity	Monthly Total
Anthem Pharmacy	
Angel Care Discussion	
Back Space 3, Yahtzee, Skip Bo, Dominoes, Cards, Scrabble, Cribbage, Phase 10, Shuffleboard, Wii Bowling, Bunco	
Bingo	
Birthday Cards	
Bible Study	
Breakfast	
Blood Pressures-Gemini	
Blood Pressures – Florence Fire	
Building Use	
CAHRA	
Crafts	
Coolidge Shopping	
County Food Boxes	
Diabetic Presentation by:	
Dinner Club –Black Angus	
Dollar Store	
Dental Clinic	
Exercise with Rhoda	
Extension Food Program – Isabelle	
Fitness Center	
Grief Support	
Guardian Angel Installation	
Hair Cuts By Tamara	
Healthy Eating by Lou	
Home Delivered meals	
Knit/Crochet Club	
Lost Meals	
Medicare Advocate Benefits	
Movie & Popcorn	
Music by Rudy	
Senior Donation Account Meal Participants-	
Senior Hot Topics	
Staff Cooked meals & senior meal	
Volunteer Hours	
Wii bowling /Volleyball	
Anthem Pharmacy	
Angel Care Discussion	

Accomplishments:

Special Programming/Events:



FLORENCE POLICE

Monthly Report – January 2017

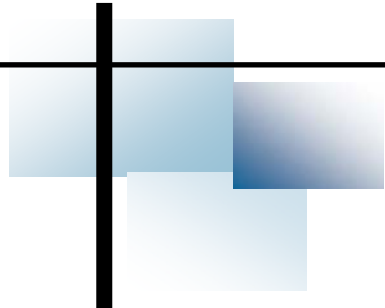
Daniel R. Hughes, Chief of Police



425 N. Pinal St. □ P.O. Box 988

Florence, AZ 85132

Phone: 520-868-7681 □ Fax: 520-868-0158



“The men and women of the Florence Police Department stand firm in our pursuit for justice and public trust. We will stay true to our mission of providing service and safety to our community with honor, respect, and integrity. We are committed to providing fair and equal treatment to those we encounter.”

The information contained in this report outlines significant information and activity within the Florence Police Department (FPD) during the month of January 2017. The monthly report is prepared for the Town Council's review and furthermore for the use by FPD to examine the current activity within the department and community to identify short-term and long-term needs, and develop plans for improvement to provide the highest level of service.

Personnel

Employee	Position	Effective
<i>New Hire</i>		
Kayla Carpenter	Dispatcher Trainee	1/3/17
Jonathan Perez	Officer Recruit	1/3/17
James Nixon	Officer Recruit	1/3/17
<i>Resignations/Terminations</i>		
Mike Alston	Officer	12/28/16
<i>Vacancies</i>		
2 full-time	Officer	1 held, 1 frozen
1 full-time	Public Safety Dispatcher	Open

Chief of Police

Chief of Police, Daniel R. Hughes attended the following meetings during the month of January:

- Town Council Meetings
 - Management Team Meetings
 - Weekly FPD Administrative Meetings
 - Purchasing Committee Meeting
 - Fire and Police Communication Meeting
 - Alliance to Combat Transnational Threat – Field Area 2 (ACTT FA-2) Planning Meeting
 - Pinal County Law Enforcement Association (PCLEA) Meeting
-
-

Administrative/Support Services

The Support Services area includes the following: Communications Division, Evidence and Property, Crime Scene Investigator, Records Division, and Departmental Budget/Finances.

The Support Services Manager (Deanna Husk) had the following monthly activities:

- Meeting with Pinal County reference ECM2 system with Spillman
- Administrative Budget Meeting
- On-going review of Policy/Procedures for Evidence/Property
- On-going update of Policy/Procedures for Volunteers
- Full Inventory Audit of Evidence-no discrepancies found
- Marana PD-met with staff to discuss Volunteer Program
- AZDOHS meeting in Tucson regarding grants
- Fingerprint training with volunteers

Communications

- NCIC Validations
 - Review of MDC Policies/Hot Tone Policies
 - Review of Command Page Policies
-
-

Calls for Service

Below is a table that depicts the total calls for service handled by FPD dispatchers during the month of January. The numbers are shown by the incident locations and how the incident was reported.

How Calls Are Received, Totals by How Received				
	Beat 1	Beat 2	Beat 3	TOTAL
911 Line	45	13	21	79
Crime Stop Line	0	0	0	0
Officer Report	283	111	233	627
In Person	61	2	1	64
Radio Transmission	1	0	2	3
State TT/NLETS	0	0	1	1
Telephone	167	51	90	308
TOTAL	557	117	348	1082

Average Response Time to Calls for Service

6 Month Reporting Period: August 2016 to January 2017

	Aug	Sep	Oct	Nov	Dec	Jan
Priority 1	4:24	4:04	3:38	3:03	3:40	3:55
Priority 2	6:05	5:49	6:19	4:55	6:40	5:51
Priority 3	18:30	21:53	17:22	14:01	16:11	13:10
Priority 4	8:56	11:17	20:31	10:23	38:35	6:27

Definitions:

- Priority 1 These priorities are those in which there is an imminent danger to life or major damage/loss to property or an in progress or just occurred major felony.
- Priority 2 These priorities are those in which a crime in progress might result in a threat of injury to a person, or major loss of property or immediate apprehension of a suspect.
- Priority 3 These priorities are those in which there is no threat of personal injury or major loss of property.
- Priority 4 These priorities are those of a report nature only
-
-

JANUARY 2017 – Offense Count Index

Classification of Offense	Offenses	Unfounded	Actual	Offenses	Juvenile
CRIMINAL HOMICIDE	0	0	0	0	0
a. Murder/Nonneg Manslaughter	0	0	0	0	0
b. Manslaughter by Negligence	0	0	0	0	0
FORCIBLE RAPE	0	0	0	0	0
a. Rape by Force	0	0	0	0	0
b. Attempt Forcible Rape	0	0	0	0	0
ROBBERY	0	0	0	0	0
a. Firearm	0	0	0	0	0
b. Knife or Cutting Instrument	0	0	0	0	0
c. Other Dangerous Weapon	0	0	0	0	0
d. Hands, Fist, Feet, etc.	0	0	0	0	0
ASSAULT	3	0	3	4	0
a. Firearm	0	0	0	0	0
b. Knife or Cutting Instrument	0	0	0	0	0
c. Other Dangerous Weapon	0	0	0	0	0
d. Hands, Fist, Feet, etc.	0	0	0	0	0
e. Other Assaults – Simple	3	0	3	4	0
BURGLARY	2	0	2	0	0
a. Forcible Entry	0	0	0	0	0
b. Unlawful Entry/No Force	1	0	1	0	0
c. Attempt Forcible Entry	1	0	1	0	0
LARCENY – THEFT	11	1	10	5	0
MOTOR VEHICLE THEFT	1	0	1	0	0
a. Autos	0	0	0	0	0
b. Trucks	0	0	0	0	0
c. Other Vehicles	1	0	1	0	0
GRAND TOTAL	17	1	16	9	0
Clearance(s) by Adult Arrest	6				
Clearance(s) by Juvenile Arrest	0				

**All data presented in this report is tentative until monthly audit is complete

Property & Evidence

During the month of January 2017, there were 46 envelopes/packages involved in 46 incident cases submitted for processing by the Property and Evidence Section. Of the total, 46 envelopes/packages:

- 46 were evidence items of which 11 were sent to the lab, 2 await lab delivery and 33 were stored.
- 7 were for Safekeeping of which 5 was stored, and 2 were released
- 3 were Found Property of which 0 were disposed in the DBIN, 0 were released and 3 were stored.

The items of evidence involved the following crimes are:

- 19 - Drug Incidents ,9 arrested, 8 long form complaint and 2 CCA drug seizures TOT to FPD
- 6 – Drug Paraphernalia incidents 2 arrested
- 4 - DUI, of which 1 is AGG DUI
- 1 - Minor Consumption
- 1 - Theft
- 1 - Leaving the scene- Serious Injury

January 2017 – Property and Evidence Processing							
TOTAL PACKAGES	EVIDENCE STORED	SAFE KEEPING	FOUND PROPERTY	DISPOSAL	RELEASED	OUT TO OFFICER	SENT TO LAB
46	33	7	3	8	2	0	11
January 2017 – Submissions for Related Crimes							
DRUGS	DUI	THEFT	FRAUD	AGGRAVATED ASSAULT	MISCONDUCT WEAPON	CHILD ABUSE	OTHER
19	4	1	0	0	0	0	1

Other Considerations

- The status of the Police Evidence Trust Fund bank account has seven pending items involving \$2,857.00. Two are for safekeeping and six items are pending RICO forfeiture.
- F16080801 – 1063 -5B – Ancel Rosas- \$ 174.00 – Rico pending – Deposited 8/7/16. In December Pinal County Attorney advised to return the money, Rico was denied. Letter sent to A. Allen. During the month of January, a check was sent to Ancel Rosas from A. Allen representing The Town of Florence.

Operations/Patrol

The Operations/Patrol Division is under the direction of Lt. Terry Tryon, and he has attended the following meetings during the month of January:

- Town Council Meetings
- FPD Management Team Meetings
- Weekly FPD Administrative Meetings
- Workflow Committee Meeting
- Alliance to Combat Transnational Threat – Field Area 2 (ACTT FA-2) Planning Meeting

Professional Standards

There was 1 incident involving Use of Force reported during the month of January 2017. The use of force involved an officer working a task force assignment, shooting an aggressive dog that broke free from his chain and attacked another officer on scene of a search warrant.

An Administrative investigation being handled by Apache Junction PD on behalf of Florence PD concluded.

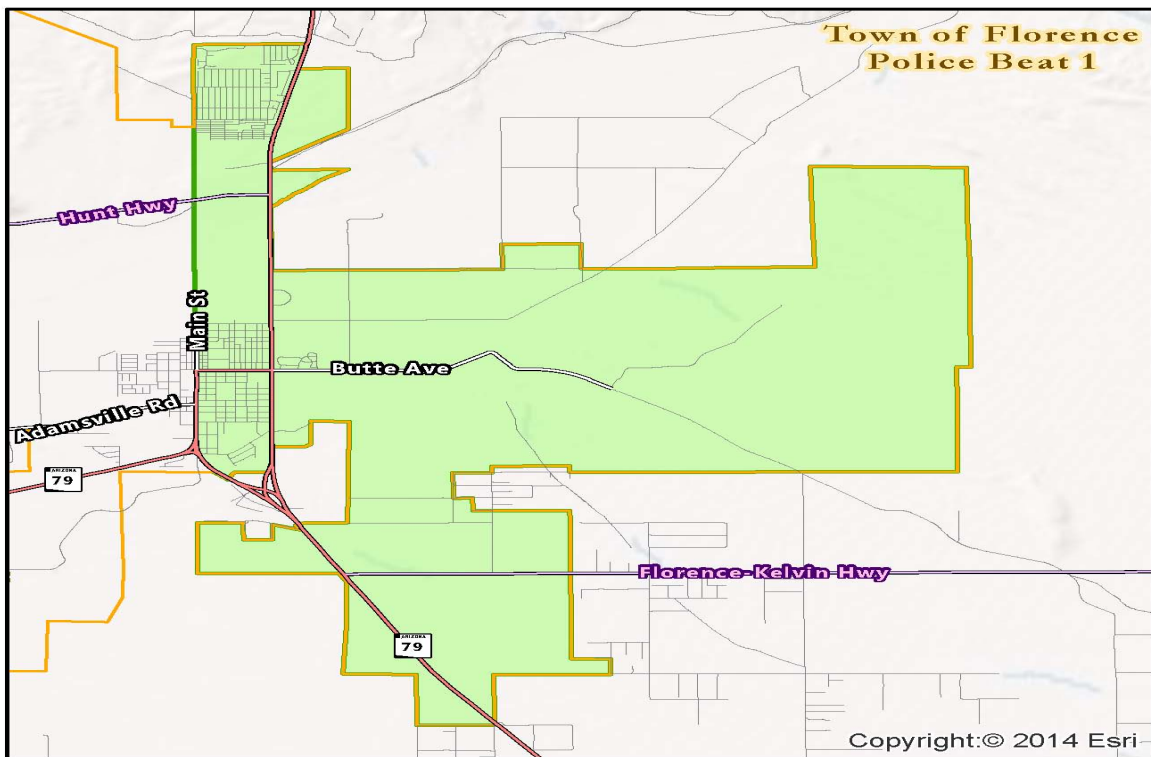
There was 1 citizen complaint filed in January 2017. The complainant was arrested in December 2016 during a house fire for refusing to leave, disorderly conduct (harassing and confronting arriving fire crew), officer assault (swung at officer) and possession of drugs (fell out of his pocket when he resisted going inside PD for booking).

Criminal Investigations Unit

Number of new cases assigned in January:		4	
Observed Offense	Assigned Detective	Case Status	Notes:
Sexual Misconduct with a Child	L. Gaston	OPEN	One Juvenile arrested, 3 children in residence Forensically Interviewed, Parental Involvement under investigation. ** Another victim identified through forensic interview. New Charges filed- Charges Approved
Agency Assist	L. Gaston	Closed	Assisted Prescott PD with search warrant of inmate. Blood Draw and Buccal swab collected- Evidence Turned over to Prescott PD

Bomb Threat	L. Gaston	TOT	Ongoing issue with Inmate at CDAC-U.S. Marshalls Notified
Sex Offense-Voyeurism	L. Gaston	CLOSED	Charges Submitted
Number of cases carried over into January:		8	
Observed Offense	Assigned Detective	Case Status	Notes:
Agency Assist-Stolen Vehicle	D. Helsdingen	CLOSED	Assisted Tempe PD attempt to locate a stolen vehicle and possible marijuana grow outside town limit. PCSO Narcotic assisted with Fly over the vehicle was not seen no marijuana grow located.
Narcotics	D. Helsdingen	OPEN	Received Blood results back from DPS Charges filed for DUI
Death Investigation	D. Helsdingen	Closed	Sun City Anthem Residence Natural Causes assisted with notification in Canada, obtaining death certificate and obtaining documentation from Executor of will.
Fraudulent Schemes	D. Helsdingen	OPEN	Attorney General Grand Jury Indictment-Bench Warrant both suspects Both subjects in-custody. One suspect currently in DOC another victim in Florence Garden was identified willing to assist in prosecution ongoing received cashed checks from victim
Aggravated Assault	D. Helsdingen	OPEN	Inmate assaulted another Inmate with weapon causing serious injury received witness statement from Attorney
Hit & Run	D. Helsdingen	OPEN	Suspect Arrested, Vehicle located, search warrant on vehicle completed, interviews ongoing, search warrant on suspect cell phone pending
Death Investigation	D. Helsdingen	CLOSED	Call Out due to the amount of blood on scene. Per Medical Examiner and current physician the death was determined to be natural causes.
Aggravated Assault LE	D. Helsdingen	CLOSED	FBI reviewed reports decline prosecution
Number of joint cases worked in January:		3	
Observed Offense	Assigned Detective Primary/Secondary	Case Status	Notes:
Stolen Vehicle	D. Helsdingen/ L. Gaston	Open	Vehicle recovered, subpoena issued for security video from Wells Fargo.
Narcotics	D. Helsdingen	Open	Inmate having drugs mailed into prison
Domestic Violence	D. Helsdingen/L. Gaston	OPEN	Charges filed, follow up investigation into filing aggravated offense
Other Activity:			
D. Helsdingen	FA2 Meeting		
D. Helsdingen	Multiple Gun Purchases x2		
D. Helsdingen	Stone Garden Grant Meeting Tucson		
D. Helsdingen/L. Gaston	Hess Trial-Continued		
D. Helsdingen	Grand Jury		

Beat 1



Beat Statistics:

Beat 1 Supervisor – Sgt. D. Peterson
There are 6 officers assigned to Beat 1
Total number of calls for service (including traffic): 534
Total number of traffic stops: 213
Total number of accident reports taken: 3
Total number of citations issued: 41 for 55 violations
Total number of DUI: 1

Crimes against Persons

Assault: 3

Property Crimes

Burglary: 1
Criminal Damage: 2
Shoplifting: 2
Theft: 3
Vehicle Theft: 1

Monthly Activities

Person crimes were down by 4 and property crimes were up by 2 in the Beat 1 area compared to

this time period last year. Beat 1 also had 27 fewer calls for service compared to January 2016. Officers in Beat 1 conducted directed patrols in the areas of previous crimes. Officers also conducted field interviews of persons throughout Beat 1 and inquired if there was any knowledge of any crimes being committed. The directed patrols and field interviews were utilized to gather information/suspects and also to provide and presence in the community to help deter additional crimes.

In addition to normal patrol, officers conducted 206 directed patrols of businesses, apartment complexes, Florence Gardens and Caliente communities and the prisons.

Community Involvement and Education

Schools re-opened from Winter break on January 10th. Officers have been monitoring the school crossings on a regular basis and continue to perform directed patrols daily at the school buildings and grounds to prevent and/or detect criminal activity at these locations.

Special Events

1st Annual New Year's Eve Block Party

Upcoming Special Events

Florence Model Airshow on Saturday February 11th at Bohn Field

Florence Historic Home Tour on Saturday February 11th

Florence Prison Run on Sunday February 12th

Significant Calls for Service

Assault reported on S. Elizabeth St. During a domestic argument, a male pushed a female against a wall. There were no injuries reported. The male was arrested for domestic violence.

Assault reported on N. Bowling Rd. A prisoner reported that another inmate had punched him. There were no injuries sustained. The suspect was relocated.

Assault reported on N. Bowling Rd. A prisoner reported that two other inmates had approached him and punched him several times. The victim received stitches for a facial injury. The case is still being investigated.

Burglary and criminal damage reported on S. Park St. A female reported an attempted burglary. The responding officer documented that the sliding door had a broken handle and a screen was also removed from the sliding door. The officer also reported that a bedroom window had the screen removed and pry marks were around the window. The suspect was unable to gain entry into this property.

Vehicle theft reported on N. Pinal Parkway. A Polaris ATV (valued at \$12,000.00) was stolen from an unlocked yard. The Polaris was located and recovered two days later. There was some body damage and the mirrors were removed.

Theft reported on S. Main St. A female reported losing her debit card. That debit card was then used for four transactions totaling \$105.00. Suspect(s) unknown at this time.

Theft reported on E. Florence Heights Dr. A female reported that someone stole several items from her storage locker. The locker is shared by a couple of people. No suspects at this time. Shoplifting reported on N. Pinal Parkway. A female was reported as a shoplifter. Upon the officers arrival she was questioned and then arrested for taking five t-shirts and two packs of pens (valued at \$38.00)

Shoplifting reported on N. Pinal Parkway. A male reportedly stole an item from the store. The investigating officer then observed a hitchhiker that matched the suspect's description. The male was arrested for stealing a sweatshirt valued at \$20.00.

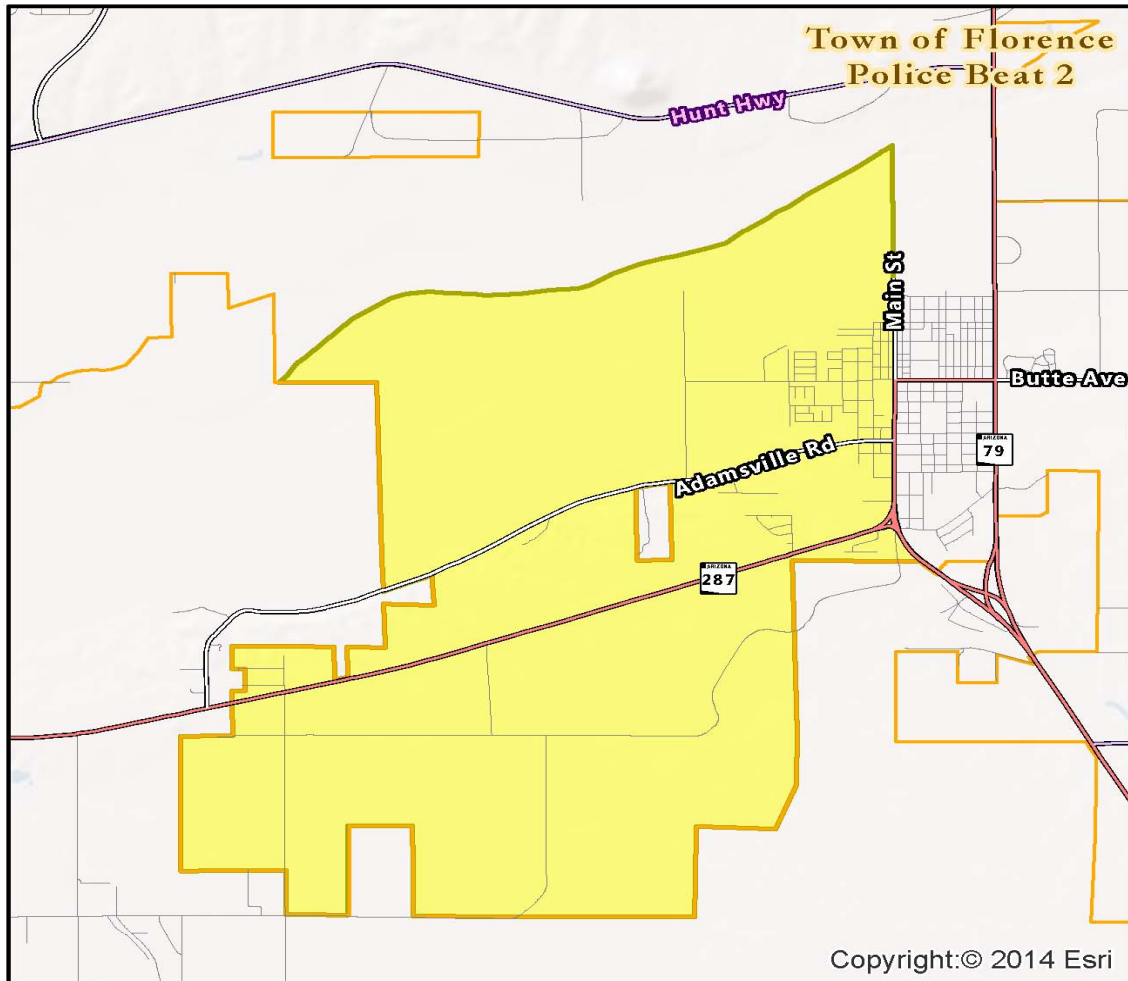
Criminal damage reported on E. Ashley Way. A female reported that someone damaged the frame around her door. The responding officer noticed fresh pry marks around the door. The suspect did not gain entry.

Criminal damage E. Feliz St. A couple reported that someone slashed five tires on their two vehicles. There are no suspects at this time.

Training

Officers received in-house training on department policy during shift briefings.

Beat 2



Beat Statistics

Beat 2 Supervisor – Sgt. D. Campbell
There are 6 officers assigned to Beat 2
Total number of calls for service (including traffic): 168
Total number of traffic stops: 70
Total number of accident reports taken: 0
Total number of citations issued: 12 for 19 violations
Total number of DUI: 0

Crimes against Persons:

None

Property Crimes:

Criminal damage: 1
Shoplifting: 2
Theft: 1

Monthly Activities

Traffic Detail: Florence Police Department coordinated a traffic enforcement detail with Florence High School officials targeting excessive speed surrounding Florence High School and Florence K-8. FPD arrived in school zones on 01/12/17 at 0700 hours. During the detail, 62 traffic stops, 13 citations were issued and 4 adults were arrested. All students that were stopped for violations were provided verbal instruction on their driving behavior.

Community Involvement and Education

Officers conducted 68 directed patrols of the local business and issuing warning citations for parking violations to include Field Interviews.

During the month of December 2016, Florence Police Department conducted stationary surveillance on suspected drug houses. FPD contacted all subjects riding bicycles to inform them of state laws also.

Special Events

None

Upcoming Special Events

None

Significant Calls for Service

Warrant: FPD responded to the 300 block of West 6th Street reference information about a subject who was wanted on a felony warrant. FPD arrived on scene and contacted the homeowner. The homeowner was persistent the person who was wanted at the residence was not there. During the investigation the subject with the felony warrant was arrested to include the homeowner for hindering the investigation.

Theft: FPD responded to the 300 block of West 11th Street reference a theft. The reporting party stated that two bicycles were stolen from her residence. The RP stated broken bikes are obtained from various subjects and provided to underprivileged people. At this time there are no investigative leads.

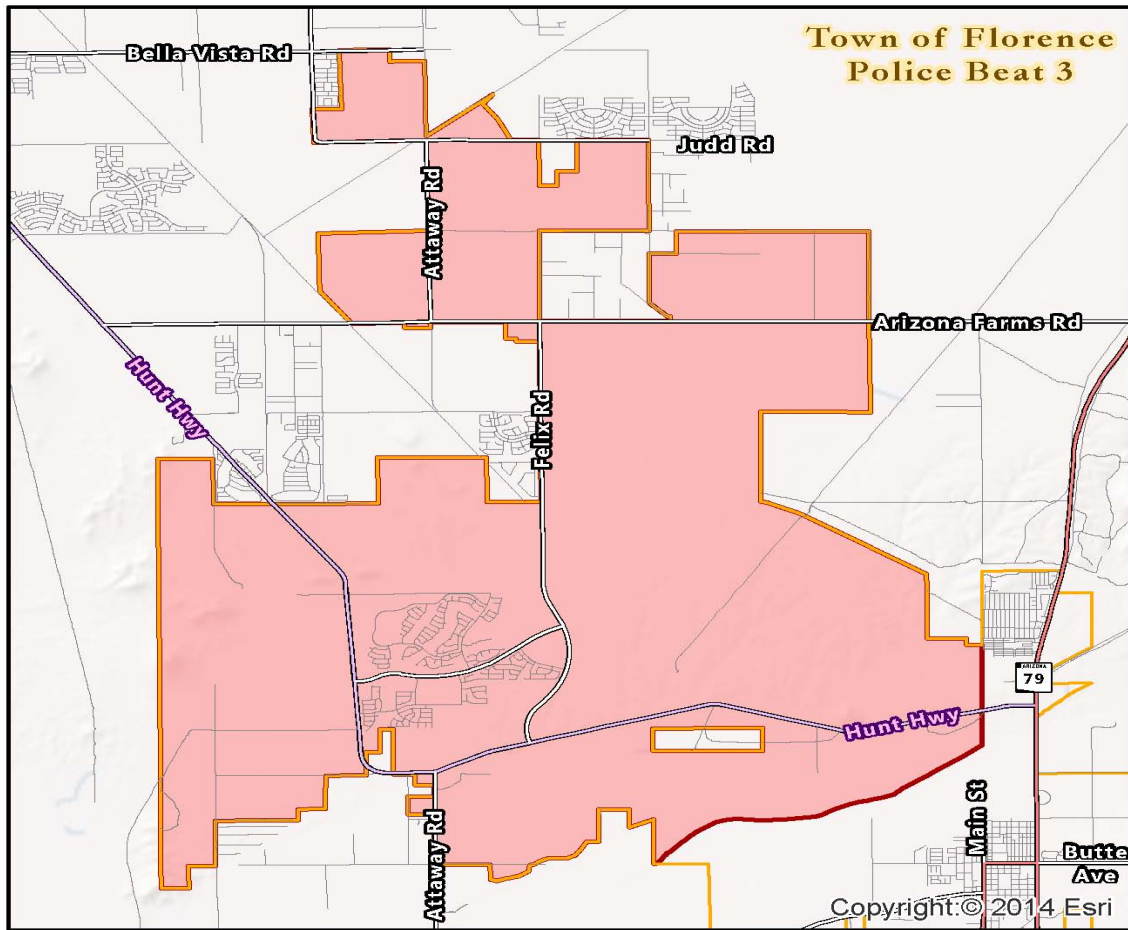
Accident with Injury: FPD responded to the area of 500 West 10th Street reference a vehicle vs pedestrian accident. FPD and Florence Fire Department responded. The victim was airlifted due to his injuries. During the incident, the suspect fled the scene. FPD conducted an investigation and arrested the subject and located the vehicle out of Florence jurisdiction. This case is ongoing and will be presented to Pinal County Attorney's Office for felony charges.

Narcotics: FPD conducted a traffic stop in the area of Centennial Park and State Route 287 in Florence, AZ. During the contact and consent to search, 1.5 grams of marijuana and drug paraphernalia was located on the suspect and hidden in the center console. The subject was arrested and released pending a charge and review from the Pinal County Attorney's Office.

Training

Administrative officers did not attend external training during the month of January. Departmental training was conducted during briefings.

Beat 3



Beat Statistics:

Beat 3 Supervisor – Sgt. S. Morris
There are 7 officers assigned to Beat 3
Total number of calls for service (including traffic): 326
Total number of traffic stops: 186
Total number of accident reports taken: 2
Total number of citations issued: 49 for 66 violations
Total number of DUI: 0

Crimes against Persons:

Other: 7, N. Hunt Hwy - Anthem hospital had 7 calls for service for disturbances in the hospital. No arrest or charges stemming from any of the calls.

Property Crimes:

Theft: 2
Vehicle theft: 1

Monthly Activities

The beat three officers continue to look for code enforcement violations and have started enforcing parking violations. 2 warnings were given for parking violations.

For the month of January, the total calls for service was 326, compared to 266 in December. A 22.56 % increase. This accounts for the increased traffic stops for the holidays. No influx of major crime. A total of 108 directed patrols were conducted.

The Juvenile Detention Log was completed as required by state law. The Florence Police Department did not arrest any juveniles this month.

The speed signs on Hunt Hwy and Main Street were both removed and sent back to the factory for warranty work.

For the month of January, traffic enforcement in beat three consisted of 186 traffic stops, with 49 citations, and 66 violations. A total of 1 private property accident and one non-injury accident took place.

Community Involvement and Education

Contact has been made with the Association members, and they keep in contact bi-weekly via email and Officer Palmer. We work together to address all issues that the community may have. No issues for the month of January.

Special Events

None

Upcoming Special Events

None

Significant Calls for Service

Missing person from Florence Hospital Anthem: Curtis Neal Sr. went missing from the hospital after being dropped off for an evaluation. He left on his own free will and has not been heard from since. Pinal County Sheriff's Office (PCSO), Arizona Department of Corrections (ADOC) and Florence officers have participated in an extensive search with no results as of this report. A Silver Alert was issued.

N. Congressional Court – 2009 Ford Explorer was taken from the front of the residence. The vehicle was recovered at the Wells Fargo Corporate offices in Chandler on the 4th floor of the parking garage with significant damage. Video surveillance footage is being obtained by Florence detectives at this time. No suspects as of this report.

W. Pleasant Oak Way – A Glock 19, along with 3 pair of sunglasses were removed from a 2017 GMC Acadia which was parked in the driveway. Owner thought the vehicle was secured. Value \$675; there are no suspects at this time.

W. Cinder Block Way – Four light fixtures were removed from a house under construction. \$400 value, there are no suspects or witnesses at this time.

Training

Departmental training was conducted during briefings.

K-9 Unit

Number of officers assigned to K-9 unit: 1, K9 Murphy

Total number of vehicle stops: 170

Total number of K-9 Utilizations: 40

Total number of vehicle hand searches: 24

Total amount of narcotic seizures (weight): 42.10 grams

Type of Drug	Amount in Weight
Narcotics	42.10 grams
Prescription Drugs	2
Paraphernalia	22 individual items

K-9 Activity

K9 Murphy attended weekly K9 detection along with the Pinal County Sheriff's Office K9 Unit. During the four hour block of detection, K9 Murphy's service dog detected marijuana, cocaine, methamphetamine and heroin without incident. K9 Murphy is certified through the National Canine Audit Tracking Systems. (NCAT)

During the month of January 2016, K9 Murphy self-initiated (170) cases which included vehicle stops, field interviews and on-view criminal activity. Listed below is a synopsis of what transpired.

K9 Murphy conducted a traffic stop in the area of Pinal Parkway and Duron Street. During contact, a male subject was arrested for possession of 0.7 grams of methamphetamine and drug paraphernalia.

K9 Murphy conducted a traffic stop in the area of Hunt Highway and Franklin Road. The driver was arrested and found to be in possession of 1.1 gram of marijuana and six pieces of drug paraphernalia.

Volunteers

The Florence Volunteers put in a total of 222.65 hours for the month of January. There were a total of 14 volunteers that donated their time this month. They attend the monthly TRIAD meeting, which deals with the elderly, as well as the Guardian Angel program. The Victim Services Unit was not utilized this month. The volunteers continue to assist the police department with fingerprinting, front desk reporting, funeral escorts, and any special events hosted by the Town of Florence. The volunteer program is becoming more actively involved in house watches, school zones and business checks.

Grants

Officers worked DUI task force setup by PCSO. An additional detail for speed enforcement was completed on January 12th for school zones. These activities were covered under the 2017 Governor's Office of Highway Safety, (GOHS) Grant.

2017 GOHS 1st Quarter report submitted.

4th Quarter reporting extension for Livescan (electronic fingerprints) submitted and granted.

Livescan was repaired and is functioning as of mid-January. Training began on using the Livescan machine. Deadline for final quarter reporting granted until March 31st, 2017.

Sergeant Riccomini continuing to obtain mics for the radios purchased with funds through the Gila River Grant.

The following are statistics reported to GOHS for both special events and sustained (regular) activity:

Total citations for the month of January 2017: 142
Total traffic contacts for the month of January 2017: 469

Type of Citation	Total Number
Civil Speed	99
Criminal Speed	29
DUI	1
DUI Drugs	2
Other	29

Training

Efforts are continually made by the training staff to incorporate and provide quality training to all FPD (Florence Police Department) officers. FPD staff has worked diligently to reduce training costs by providing required internal training.

Traffic

Total number of Citations issued for the department: 102 for 140 violations

Directed Patrols

The Police Department conducted 388 Directed Patrols during January. Directed Patrols are a proactive, police-initiated, approach which focuses patrol resources on the places with highest risks of serious crime to increase crime prevention. Statistics have proven that an increased proactive patrol in high crime areas has decreased crimes.

Engineering

Diversion Dam Road:

- Arizona Department of Transportation (ADOT) in preparation to install signal light at intersection. Possible start in April/May 2017.

Community Development:

- Medical Office Building continues through final design phases
- ADOT preparing to begin construction at SR79/SR79B/SR287 junction. Start date is unknown but presumed to be approx. May/June 2017

Hunt Highway Curve Improvements

- Geotechnical Report has been completed and approved by the Town
- Working on estimates for ABC 6" & Asphalt 4.5" and traffic control
- Working with JRU about the existing utilities

Florence Heights Drive

- Geotechnical Report has been completed and approved by the Town
- Preparing information for meeting with George Cairo about the Traffic Control Plan
- We are preparing a meeting with owners about the County Maintenance Facility, Bus Barn and the Apartment complexes management
- Preparing information for ADOT about traffic control on 79 Parkway

Florence Gardens Phases IV and V

- Geotechnical Report is underway and is expected to be submitted 3/19/2017
- 60% Design Plans underway and are expected to be submitted 3/19/2017
- Working with ADOT people to determine the drainage on N. Highway 79
- Checking the utilities services (water and sewer) and fire hydrant locations

1st Street Pavement Reconstruction project

- An updated Geotechnical Report has been submitted and approved
- An updated Drainage Report has been submitted and approved
- 60% design plans were submitted and reviewed by Town staff,

comments have been supplied back to the Engineer

Fleet Maintenance

- Preventative Maintenance's (PM's): 14; Total Vehicles Serviced: 39

Major Accomplishments

1999 Jeep from the Police Department that was slated to go to auction is being refurbished (mechanically repaired and repainted) and transferred to Wastewater

Auction Update

- Sold at Auction; 10 items for \$12,049.00

Sanitation

- Total amount of right-of-way violations to date = eighteen (18)
- Code compliance violations to date = none (0)

RAD Service Orders

- TOWN had forty-seven (47) pickups of bulk trash
- FLORENCE GARDENS had forty (40) pickups of bulk trash
- ANTHEM had forty four (44) pickups of bulk trash

Streets

- Crack sealed Anthem Units 11, 13, 10, 12 and finished 40
- Patched approximately 2000 potholes throughout the town limits
- Bladed Christianson Road, East Butte Avenue and Canal Road

Utilities – Water

CIP Updates:

1st Street Water Line Project:

- This project has restarted as of January 16, 2017.. New water main and service installation on Florence St. are almost completed

Well # 5 Booster Pump Project:

- 1 of 2 booster pumps have been installed and tested
- SCADA tie-in completed

Well # 1 Chlorine Building and Booster Pump Project.

The new RFP Enclosure for chlorine injection and storage has been received.

Utilities - Wastewater **Wastewater CIP**

- NWWTP Refitting/Retrofitting: **In Progress**
 - Filter installation
 - Influent pump installation
 - RAS pump installation
 - Sludge Pump installation
 - Ultra-Sonic Meters (Quotes received bid tabs being created)
 - 3" Mag –Meter Installation
 - Basin reconfiguration design and specification-Bid
 - Screen design and specification-Bid
 - CL2 FRP building requisition and installation
 - Belt-Press tie-in design recommendation's
 - Met with SCIPP for 480-power service on 2/14/17

- Recharge Permitting & Design – SWWTP and NWWTP
 - 12 month process

- SCADA – Wastewater
 - CEE Report
 - Feed study kickoff meeting scheduled 2/28/17

- Bi-Sulfate Pump at SWWTP
 - Received
 - SCADA integration
 - Ordered bisulfite spill containment

- Post EQ Pump at SWWTP
 - #1 Pump will be pulled 5/1/17

Wastewater Administration & Reports

- North WWRF:
 - 2016 Annual-Quarterly- Monthly Report Complete
 - January 2017- DMR's Complete

- Annual Sludge Report Complete
- South WWRF:
 - January 2017 Monthly DMR's Complete
 - Annual Sludge Report Complete