



CHANGE ORDER NO. 1
DATE 4/25/2023

Change Order not valid until signed by both the City and the Contractor. Contractor's signature indicates Agreement herewith, including any adjustments in the Agreement Price or Agreement Time.		
Project Name: Chandler Boulevard and Dobson Road Sewer and Water Improvements		
Project No.: WW2005.403		
User Dept.: Public Works & Utilities	NTP Date: TBD	
TO:	B&F Contracting, Inc.	11011 N 23rd Ave, Phoenix, AZ 85029
	(CONTRACTOR)	(Mailing Address)
		JOnstott@bfcontracting.com
		(Email Address)
Contractor must make the following changes to this Agreement: (Detail scope change (Exh. A) / cost breakdown (Exh. B), if needed)		
The following contract Change Order represents the GMP 2 for a portion of the water improvements work as presented in the attached Exhibits. The contract time will also be extended an additional 120 calendar days to allow the contractor to perform this portion of the work.		
Amendment authorized by Owner name: Jeff Auker on phone		Date: 4/25/2023
Original Agreement amount:	\$7,689,563.73	
Previous Change Order total:	\$0	
Last Agreement amount approved by Council:	\$7,689,563.73	
This Change Order:	\$7,202,897.39	
This Change Order + previous Change Order(s) not approved by Council total:	\$7,202,897.39	
Revised Agreement total:	\$14,892,461.12	
Council Approval Required (yes indicates approval required)	Yes	No
Change Order(s) total over \$100,000:	☒	☐
Change Order(s) total causes Agreement to exceed \$100,000:	☒	☐
Agreement Time		
Agreement time prior to this Change Order (including previous change order(s):	<u>315</u> Calendar Days	
Net change resulting from this Change Order:	<u>120</u> Calendar Days	
Revised Agreement time (including this Change Order):	<u>435</u> Calendar Days	
Council Approval (if applicable)		
Council Approval Date: <u>5/25/23</u> Item No. _____		

THE ABOVE IS AGREED TO BY:

"CITY" CITY OF CHANDLER

MAYOR

RECOMMENDED BY:

Kimberly Moon

Kimberly Moon, P.E.
CIP City Engineer

APPROVED AS TO FORM:

City Attorney

THB

ATTEST:

City Clerk

Seal

"CONTRACTOR"

B&F Contracting, Inc.

Josh Ott

Signature

4/27/23

Date

Joshua Onstott

Print Name

Executive Director

Title

Jonstott@bfcontracting.com

Signer Email Address

C: Owner / Project Mgr

April 26, 2023

Scott Riter – Construction Project Manager
City of Chandler – Public Works & Utilities
215 E Buffalo Street
Chandler, AZ 85225

RE: Name: Chandler Blvd and Dobson Road Watermain Replacement Project
Project No.: WW2005.403

SUBJECT: Construction Manager at Risk – GMP-002

Dear Mr. Riter,

B&F Contracting, Inc. respectfully submits, for your review, our GMP-002 for the Chandler Dobson Watermain Replacement Project. B&F proposes to complete the work over a 15-month period, of which 10-months are directly represented in this GMP due to the concurrent sewer project that is estimated at 7-months' time. This GMP is for the Water installation and abandonment partially running concurrently with the Sewer Replacement and Rehabilitation, but most of the work will be completed immediately following with the Sewer Replacement & Rehabilitation. Place holders in the project schedule will show the delineation of these areas. The price includes all labor, equipment, material, and services to complete a portion of the work which is delineated on the schedule of values. The remainder of the work in the plan sheets will be provided in a GMP-003 budget in July 2023. See the attached schedule of values for reference and supplemental documentation.

Included in this package are the following documents:

- Scope of Work
- GMP Exhibit D
- Schedule of Values
- Cost Detail
- Equipment and Crew Composition
- List of GMP Documents
- Clarifications and Assumptions
- GMP Schedule
- Cashflow Chart
- Risk Register

We are excited about the opportunity to work with the City of Chandler and look forward to discussing this soon. If you or your team have any questions or comments regarding the above items, please contact Josh Onstott at (623)238-3792.

Sincerely,

Josh Onstott

Josh Onstott – Executive Director
Jonstott@bfcontracting.com
B&F Contracting, Inc.

INDEX OF EXHIBITS
**CHANDLER BLVD. AND DOBSON ROAD TO CHIPPEWA WATERMAIN
REPLACEMENT PROJECT**

COC Project No.: WW2005.403

GMP-002

[04/26/2023]

- Exhibit D1: Scope of Work
- Exhibit D2: GMP Coversheet
- Exhibit D3: Schedule of Values
- Exhibit D4: List of GMP Documents
- Exhibit D5: Clarifications and Assumptions
- Exhibit D6: GMP-002 & GMP-003 Schedule
- Exhibit D7: Cashflow Chart
- Exhibit D8: Risk Register

EXHIBIT D1: SCOPE OF WORK

CHANDLER AND DOBSON WATERMAIN REPLACEMENT

COC Project Number: WW2005.403

GMP-002

(04/26/2023)

PROJECT OVERVIEW

The project includes the replacement and abandonment of approximately 8,254 LF of 12-inch existing watermain with a new Ductile Iron Pipe main bound by the intersection of Dobson Road and Chandler Blvd and Chandler Blvd and Chippewa on the North Side of Chandler and Chandler and Meadows Drive on the South Side of Chandler Blvd. The project GMP was evaluated by delineating the intersection of Chandler Blvd and Dobson Intersection and all other pipe installed east of the intersection to their respective connections. This project includes the updating of existing services, backflow, and hydrant along the alignment.

SCOPE OF WORK

Chandler Blvd and Dobson Intersection: Installation and connection of new 12" ductile iron pipe throughout the intersection establishing 4 new tie-ins to the existing system. This work includes the installation of 3 EA. Permaseal Valves for Isolation and 1 each insertion valves to complete work. Post installation and testing of the new pipeline, the existing pipe will be abandoned in place.

Chandler Blvd from Dobson Intersection to Chippewa Place: Installation of new 12-inch line that runs parallel with Chandler Blvd. New services, backflows, hydrant, and lateral as identified on the plans. Post installation and testing of the new pipeline, the existing pipe will be abandoned in place.

Construction phase services by the CMAR includes:

- Mill, Sawcut and removal of asphalt.
- Trench excavation.
- Perform water main installation.
- Tie into existing water mains.
- Install Fire hydrant.
- Cleaning and Inspection.
- Pressure Test and Chlorination.
- Coordinate with various City of Chandler departments, other agencies, utility companies, etc.
- Arrange for procurement of materials and equipment.
- Schedule and manage site operations.
- Bond and insure the construction.
- Maintain a safe work site for all project participants.
- As-built records drawings.
- Shutdown planning and coordination.
- Hardscape removal and replacement.
- Landscape restoration at disturbed areas.
- Asphalt Replacement.
- Concrete encasement per the plans.
- Known Utility Protection.
- Striping and Traffic Control.
- Public Outreach.
- SWPP Maintenance.
- Quality Control Testing.

- GPS/GIS field data per (Exhibit GPS Scope and Data Dictionary)

GENERAL ITEMS:

- 1) Mobilization & Demobilization:
 - a) Fog Seal Mobilizations 2 ea.
 - b) B&F Mobilization to site and onsite moves during the project.
 - c) Office site establishment and setup.
 - d) Yard grading and leveling and associated plating to avoid rutting and track out issues.
 - e) Screen for yard fence required by landowner.
 - f) Power and Internet establishment at the office on site
 - g) Installation rental/purchase of holding tank for the office trailers.
 - h) Site/Yard Setup & Takedown – Crew time setting up fencing, surveillance, yard access and arranging all the storage materials for construction phase.
 - i) Project information signs.
- 2) Storm Water Pollution Prevention (SWPP)
 - a) This includes the cost to facilitate inspection on a bi-weekly status and within 24 hours after every rain event.
 - b) SWPPP book and permit are included in the Sewer Project Cost.
 - c) Maintain onsite Storm Water Protection throughout the project at inlets, track-out, and other BMPs onsite.
 - d) Purchase materials and replacement materials during the project duration.
 - e) Klein tank to meet the needs of the crew with quicker filling times.
 - f) Street sweeper services the site 16 hours a month.
 - g) ½ time water truck and driver to maintain the yard and materials during construction activities for material handling and dust maintenance.
 - h) ADEQ sign.
- 3) Survey (Allowance)
 - a) Set up project control and pipe alignment.
 - b) As-built records for all deflections, fitting, valves, and new waterline alignment.
 - c) Maintaining GPS/GIS data on a weekly basis with the City of Chandler per the Exhibit GPS Scope and Data Dictionary.
 - d) Final record as-builts.
- 4) Public Outreach (Allowance)
 - a) Cost to maintain connection with the community by MakPro.
 - b) Website management
 - c) Hotline operation
 - d) Public notifications
 - e) Billed as cost reimbursable.
 - f) Assistance with access agreements/TCEs and permanent easements.
- 5) Item will be included in GMP-003
- 6) Item will be included in GMP-003
- 7) Place and Fine Grade ABC & Fine Grade Prior To Pavement
 - a) Complete a fine grade to ensure ac thickness and compaction is met prior to paving operations.
- 8) Remove and Replace Curb and Gutter MAG Standard Detail 230
 - a) Remove and Replace Curb that is damaged by construction activities due to the close proximity of the running line to the curb and gutter.
 - b) Labor, Equipment, Materials, and Fees to remove to sawcut remove the existing work regrade the area for new curb, compact the subgrade, and install new curb in place post construction of the waterline.

- 9) Remove And Replace Sidewalk Mag Std Det 230
 - a) R&R sidewalk at locations identified on the plans and any activity in the sidewalk.
 - b) Equipment, labor, materials, and consumables are included in the price of replacement.
- 10) Sawcut, Remove, And Replace Pavement MAG Standard Detail 200-1 & 200-2
 - a) Sawcut the pavement section for trench excavation.
 - b) Remove pavement offsite and associated dump fees.
 - c) Milling the trench line for T-Top
 - d) Furnish Install trench patch per COC standards.
 - e) Crack seal trench edges.
 - f) Tack coat on existing asphalt edges.
- 11) Item will be included in GMP-003
- 12) Item will be included in GMP-003
- 13) Remove and Replace Valley Gutter Mag Std Det 240
 - a) Demo and remove existing valley gutter and dispose of materials.
 - b) Grade and form new valley gutter.
 - c) Labor, equipment, and materials to complete the work.
 - d) Quantities for valley gutter are based on plans.
 - e) CMAR takeoff for valley gutters based on existing conditions onsite differ from plans. CMAR has excluded this from the GMP direct cost but will carry possible overrun in contractor's contingency.
 - f) Due to the running line on the waterline like the curb the expectation is that valley gutter will be susceptible to damage from the equipment performing the work. Extra contingency is added to the contractor's contingency to cover this cost.
- 14) Replace Concrete Bus Bay COC Standard
 - a) Demo and remove existing valley gutter and dispose of materials.
 - b) Labor, equipment, and materials to complete the work.
 - c) Associated haul off and dump fees for concrete.
 - d) Fine grading and compaction prior to placement.
 - e) An additional 500 SF was added to the GMP due to damaged panels identified in the design phase potholing efforts.
 - f) Eco Pan for washout at the yard.
- 15) 12-inch ACP Abandonment with Grout
 - a) Crew and materials to add grouting points on pipe for abandonment.
 - b) Grout crew and pump to complete work.
- 16) 12-inch CIP Abandonment with Grout
 - a) Crew and materials to add grouting points on pipe for abandonment.
 - b) Grout crew and pump to complete work.
- 17) 8-inch ACP Abandonment with Grout
 - a) Crew and materials to add grouting points on pipe for abandonment.
 - b) Grout crew and pump to complete work.
- 18) 8-inch CIP Abandonment with Grout
 - a) Crew and materials to add grouting points on pipe for abandonment.
 - b) Grout crew and pump to complete work.
- 19) 6-inch ACP Abandonment with Grout
 - a) Crew and materials to add grouting points on pipe for abandonment.

- b) Grout crew and pump to complete work.
- 20) Abandon In Place 12-inch Gate Valve in Closed Position Std Det 350
- a) Remove surface to square edges and remove risers once valve is in desired position and fill with ½ sack slurry.
 - b) Crew & Equipment to complete the work.
 - c) Abandon gate valve in concrete that are not identified to replace concrete will be patch with bag mix 4000 PSI concrete once abandonment is completed.
- 21) Abandon In Place 8-inch Gate Valve in Closed Position Std Det 350
- a) Remove surface to square edges and remove risers once valve is in desired position and fill with ½ sack slurry.
 - b) Crew & Equipment to complete the work.
 - c) Abandon gate valve in concrete that are not identified to replace concrete will be patch with bag mix 4000 PSI concrete once abandonment is completed.
- 22) Abandon In Place 6-inch Gate Valve in Closed Position Std Det 350
- a) Remove surface to square edges and remove risers once valve is in desired position and fill with ½ sack slurry.
 - b) Crew & Equipment to complete the work.
 - c) Abandon gate valve in concrete that are not identified to replace concrete will be patch with bag mix 4000 PSI concrete once abandonment is completed.
- 23) Abandon In Place Existing Water Service Line
- a) Labor, Equipment and Materials to complete cut and plugs after the new line is in service.
 - b) Materials include fittings to abandon in place.
 - c) The corporation stop at the main will remain open and the abandonment will be complete near the meter or private side connection and cut the service below grade to its current running line to 18-inch minimum below grade of the running line is less than 18".
 - d) The service will be abandoned as deep as possible and closest to the main without creating more surface repair.
- 24) Remove Existing Water Meter Box and Salvage Meter to City
- a) Crew and Materials to remove meter box and meter.
 - b) B&F will contact Jeff Auken and deliver the City of Chandler McQueen Yard.
- 25) Remove Existing Fire Hydrant
- a) Crew & Equipment to complete the work.
 - b) Materials to fill voids and any other hardscape or existing concrete that will need to be removed to properly remove and abandon the hydrant.
 - c) Landscape restoration will be compensated through the Pavers and Landscape allowance.
- 26) Remove 12" CIP Water Main:
- a) Crew & Equipment to complete the work.
 - b) Materials to properly cap the existing line for abandonment.
 - c) Removal of pipe listed on the plan but not implicit in the GMP will be covered through this line item due to minimal quantities all water pipe removal called out on the plans are included in line items provided.
- 27) Remove 12" ACP Water Main:
- a) Crew & Equipment to complete the work.
 - b) Materials to fill voids and any other hardscape or existing concrete that will need to be removed to properly remove and abandon the hydrant.
 - c) Asbestos abatement and disposal for all ACP removals including 6-inch ACP.
- 28) Cut and Plug 6-inch Water Main
- a) Labor, Equipment and Materials to complete cut and plugs after the new line is in service.
 - b) Materials include DIP, Transition Coupling, cap, and concrete for restraint on existing pipe for abandonment or reenergization.

- 29) Cut and Plug 8-inch Water Main
- Labor, Equipment and Materials to complete cut and plugs after the new line is in service.
 - Materials include DIP, Transition Coupling, cap, and concrete for restraint on existing pipe for abandonment or reenergization.
- 30) Cut & Plug 12-inch Water Main
- Labor, Equipment and Materials to complete cut and plugs after the new line is in service.
 - Materials include DIP, Transition Coupling, cap, and concrete for restraint on existing pipe for abandonment or reenergization.
- 31) Remove Existing 12" Gate Valve and Backfill with ½ Sack CLSM
- Equipment, Labor, and Materials to remove valve box and cover.
 - CLSM to backfill the void after removal.
 - Disposal of gate valve and materials
- 32) Remove Existing 12" Gate Valve Box and Cover
- Equipment, Labor, and Materials to remove valve box and cover.
 - Disposal of removed materials.
- 33) Item will be included in GMP-003
- 34) Remove Existing 6" Gate Valve and Backfill with ½ Sack CLSM
- Equipment, Labor, and Materials to remove valve box and cover.
 - CLSM to backfill the void after removal.
 - Disposal of gate valve and materials
- 35) Remove 24-Inch Abandoned SRP Irrigation Pipe
- Sawcut and remove pipe.
 - Haul off to disposal.
 - Disposal fees.
- 36) Plug 24-inch Abandoned Irrigation Line
- Material and labor to build a pipe plug for abandonment.
- 37) 12-Inch Pipe Installation in the Chandler & Dobson Intersection
- Equipment, labor, and materials to install pipe through the intersection and backfill with ½ sack CLSM.
 - Pipe, fitting, valves, vertical realignment, and utility coordination are included in this line item.
 - The Northwest corner concrete section of pipe concrete encased with the sewer asphalt and removal included in sewer GMP.
 - Equipment for the NW corner work will be shared between two projects to complete the work.
 - No work between November 18th and January 1st will happen in this area.
 - The water main installation on the NW corner will be done separately to the other work.
 - Production based on 24-hour lane closures for all work on sheet W1, W2, W3 to Station 34+85, and W12 to station 32+00.
 - NW corner water main sheet W1 left side will be completed and in service prior to start of other water work.
- 38) 12-Inch Class 350 DIP Watermain W/Polywrap, Valves, Fittings, Vertical/Horizontal Alignment's, & Gate Valves Misc.
- Included all 12-inch waterline material outside the intersection work only. The remaining cost will be applied to GMP-003.

- 39) 8-Inch Class 350 DIP Watermain W/Polywrap, Valves, Fittings, Vertical/Horizontal Alignment's, & Gate Valves Misc.
- a) Equipment, labor, and materials to install and backfill pipe.
 - b) Shoring and Plates
 - c) Vertical realignments and horizontal realignments'
 - d) ABC backfill.
 - e) Haul off and disposal of excavated materials.
 - f) Dig, lay, and backfill pipe.
 - g) Standard bedding depth.
 - h) Anticipated to be completed with a 24-inch excavator bucket.
 - i) Compaction complete with an excavator sheep's foot attachment after 1 foot above pipe.
- 40) 6-Inch Class 350 DIP Watermain W/Polywrap, Fittings, And Valves
- a) Equipment, labor, and materials to install pipe and backfill.
 - b) Shoring and Plates
 - c) Vertical realignments and horizontal realignments'
 - d) ABC backfills.
 - e) Haul off and disposal of excavated materials.
 - f) Dig, lay, and backfill pipe.
 - g) Standard bedding depth.
 - h) Anticipated to be completed with a 24-inch excavator bucket.
- 41) 4-Inch Class 350 DIP Watermain W/Polywrap, Fittings, And Valves
- a) Equipment, labor, and materials to install pipe and backfill.
 - b) Shoring and Plates
 - c) Vertical realignments and horizontal realignments'
 - d) ABC backfills.
 - e) Haul off and disposal of excavated materials.
 - f) Dig, lay, and backfill pipe.
 - g) Standard bedding depth.
 - h) Anticipated to be completed with a 24-inch excavator bucket.
 - i) Compaction complete with an excavator sheep's foot attachment after 1 foot above pipe.
- 42) 12" Perma-Seal Insertion Valve Mueller Co LLC or Approved Equivalent:
- a) Includes labor, materials, and equipment to excavate and backfill the valve post installation.
 - b) Tap Master's to install a new insertion valve on the existing 12" Main.
 - c) Backfill material in line item 37.
- 43) 12" Inserta Valve Romac Industries or Approved Equivalent:
- a) Includes labor, materials, and equipment to make time and complete backfill post installation.
 - b) Pipeline Services to install a new insertion valve on the existing 12" Main.
 - c) Insert a valve will be backfilled with ½ Sack CLSM.
 - d) Valve are considered sacrificial for isolation and constructability post construction they will be abandoned in place.
 - e) Soft dig to expose the existing pipe.
- 44) 12-inch Cut in Tee
- a) Labor, Equipment, and Materials to cut the Tee in with a coordinated shutdown plan with water service department.
 - b) Soft dig to expose the existing pipe.
- 45) 16-inch Gate Valve (Not on Plans)
- a) Labor, Equipment, and Materials to cut the Tee in with a coordinated shutdown plan with water service department.

- b) The valve will be installed at a new Tee in lieu a tapping sleeve and permaseal valve.
- 46) 16-inch X 8-inch Cut in Tee
- a) Labor, Equipment, and Materials to cut the Tee in with a coordinated shutdown plan with water service department.
 - b) Soft dig to expose the existing pipe.
 - c) Tee is currently called out on plans as a insert a valve with a 8-inch tapping sleeve and valve. The city direct due to isolation to provide a cut in tee, solid sleeve, and valve verse the current plan.
- 47) Thrust Block Installation @ Intersection
- a) 5'6" X 2'4" X 4' thrust blocks at the intersection at connection to the existing system.
 - b) Equipment, labor, and materials to excavate, shore, form, install rebar and pour the thrust blocks at each location.
- 48) Chandler Blvd Misc. Thrust Blocks
- a) Includes all thrust blocks not at the intersection on the new connection to the exiting lines per the design drawings.
- 49) Concrete Encasements at Chandler Blvd & Dobson Road
- a) Equipment, labor, and materials to complete 39 lf of encasement identified on the plans.
- 50) Connect to Existing 12-inch Water Main ACP To DIP Transition Coupling
- a) Includes time to complete and expose existing main and preparation to make tie in.
 - b) Includes labor, materials, and equipment to make time and complete backfill post installation.
 - c) Includes hydro excavation around existing main.
 - d) Asbestos Disposal as needed.
- 51) Connect to Existing 12-inch Water Main Not ACP Transition Coupling
- a) Includes time to complete and expose existing main and preparation to make tie in.
 - b) Includes labor, materials, and equipment to make time and complete backfill post installation.
 - c) Includes hydro excavation around existing main.
- 52) Item will be included in GMP-003
- 53) Connect to Existing 8-inch Water Main Not ACP To DIP Transition Coupling:
- a) Includes time to complete and expose existing main and preparation to make tie in.
 - b) Includes labor, materials, and equipment to make time and complete backfill post installation.
 - c) Includes hydro excavation around existing main.
- 54) Connect to Existing 6-inch Water Main ACP To DIP Transition Coupling:
- a) Includes time to complete and expose existing main and preparation to make tie in.
 - b) Includes labor, materials, and equipment to make time and complete backfill post installation.
 - c) Includes hydro excavation around existing main.
 - d) Asbestos Disposal as needed.
- 55) Connect to Existing 6-inch Water Main Not ACP To DIP Transition Coupling:
- a) Includes time to complete and expose existing main and preparation to make tie in.
 - b) Includes labor, materials, and equipment to make time and complete backfill post installation.
 - c) Includes hydro excavation around existing main.
- 56) Connect to Existing 4-inch Water Main DIP
- a) Includes time to complete and expose existing main and preparation to make tie in.
 - b) Includes labor, materials, and equipment to make time and complete backfill post installation.
 - c) Includes hydro excavation around existing main.

- 57) Fire Hydrant Assembly COC Std Det C-303 & C-305:
- a) The bid items included the cost of materials, labor, and equipment to complete.
- 58) 4" Bollard Type 1 COC Standard Detail C-105 & MAG Standard Detail 140
- a) The bid items included the cost of materials, labor, and equipment to complete the installation of the 4 ea. bollards.
- 59) 1" Type K Soft Copper Service Line COC Std Det C-301
- a) The bid items included the cost of materials, labor, and equipment to complete work.
 - b) ABC Backfill
- 60) 1.5" Rigid Copper Service Line COC Std Det C-301:
- a) The bid items included the cost of materials, labor, and equipment to complete work.
 - b) ABC Backfill
- 61) 2" Rigid Copper Service Line COC Std Det C-301
- a) The bid items included the cost of materials, labor, and equipment to complete work.
 - b) ABC Backfill
- 62) Locate and Connect Existing Service
- a) The bid items included the cost of materials, labor, and equipment to complete work.
- 63) 1" Backflow Preventor & Enclosure COC Standard Detail C-311
- a) The bid items included the cost of materials, labor, and equipment to complete.
 - b) The bid item includes the installation of a concrete slab and enclosure post installation.
 - c) Includes the certification of the backflow after installation and testing is completed.
 - d) Note all backflow preventor will need to be inspected by the city for proper placement.
- 64) 1.5" Backflow Preventor & Enclosure COC Standard Detail C-311
- a) The bid items included the cost of materials, labor, and equipment to complete work.
 - b) The bid item includes the installation of a concrete slab and enclosure post installation.
 - c) Includes the certification of the backflow after installation and testing is completed.
 - d) Note all backflow preventor will need to be inspected by the city for proper placement.
- 65) 2" Backflow Preventer & Enclosure COC Std Det C-302
- a) The bid items included the cost of materials, labor, and equipment to complete.
 - b) The bid item includes the installation of a concrete slab and enclosure post installation.
 - c) Includes the certification of the backflow after installation and testing is completed.
 - d) Note all backflow preventor will need to be inspected by the city for proper placement.
- 66) 4-inch Backflow Preventer COC Std Det C-315
- a) The bid items included the cost of materials, labor, and equipment to complete work.
 - b) The bid item includes the installation of a concrete slab and enclosure post installation.
 - c) Includes the certification of the backflow after installation and testing is completed.
 - d) Note all backflow preventor will need to be inspected by the city for proper placement.
- 67)) 6" Backflow Preventor & Enclosure COC Standard Detail C-311
- a) The bid items included the cost of materials, labor, and equipment to complete work.
 - b) The bid item includes the installation of a concrete slab and enclosure post installation.
 - c) Includes the certification of the backflow after installation and testing is completed.
 - d) Note all backflow preventor will need to be inspected by the city for proper placement.
- 68) Water Meter Box Installation

- a) Labor and Equipment to install level the box after the swing connection is completed and backfilled per COC standards.
- 69) Install 2-inch Combination Air Relief Valve COC Detail C-319
- a) The bid items included the cost of materials, labor, and equipment to complete work.
- 70) Temporary Watermain Installation at Arrowhead Dr and Jack in a Box
- a) Labor, equipment, and materials to install a temporary watermain from the existing ACP pipe to the business to maintain water during the construction of the new watermain.
 - b) All HDPE pipes will be potable, pressure tested, and bacterial tested prior to tie in.
 - c) Shallow trenching in price to maintain public access.
- 71) Protect Existing SRP utilities being crossed at the intersection.
- a) Materials, labor, equipment to complete temporary support to cross large utilities as identified on the plan sheets.
- 72) General Conditions - 7 Months Included in this GMP remaining will be in GMP-003.
- a) 10 each pothole added from design phase services.
 - b) 7 each month of waste management service for the project yard.
 - c) 2 each Connex boxes for project staff to protect valuable material during construction.
 - d) 2 water meters for the project site water needs
 - e) Water and ice for the crews
 - f) Office and Yard rental for project materials, equipment, and personnel.
 - g) Project utilities for site internet service, power, waste, water, etc.
 - h) Project Sanitation portable restrooms, handwashing station, and disinfection supplies.
 - i) Temporary fence rental for project security.
 - j) Senior Project Manager – Josh Onstott 53%Time
 - k) Assistant Project Manager – Amit Satre, P.E. Full Time
 - l) Project Superintendent – Jared Freeman ½ Time
 - m) Field Superintendent – Rod Reeder Full Time
 - n) Field Engineer – 512 Hours during the intersection to assist with daily activities, inspection, and project deliverables.
 - o) Field Communication – Radios, Cellular Devices, Tables, and Procore for the project.
 - p) First Aid – Service based kits inspected monthly and stocked for project site personnel.
 - q) ST&S, Safety Supplies, Training, Fall Protection, and small tools – Per Direct Labor Manhours.
 - r) Job Office Expense – Printer, ink, paper, supplies, labor posters, and consumables.

CM@RISK GMP SUMMARY (PAGE 2 of 2)

Project Name: Chandler Blvd and Dobson Waterline Replacement
 Project Location: Chandler Blvd and Dobson Intersection to Chippewa On Chandler Blvd
 City of Chandler Project No.: WW2005.403

Date: 4/26/2023

		Amount
A. Cost of Work		
A1 Cost of Work (self perform, no mark-up)		\$2,191,749.90
A2 Cost of Work (subcontractors, suppliers, materialmen)		\$1,968,479.81
TOTAL COST OF WORK:		\$4,160,229.71
B. General Conditions		
		\$670,218.99
SUBTOTAL 1 (Cost of Work) (A + B):		\$4,830,448.70
C. CM@Risk's Fee		
		\$410,588.14
SUBTOTAL 2 (A + B + C):		\$5,241,036.84
D. Bonds and Insurance (on Subtotal 1)		
D1 Bonds (Payment and Performance)		\$48,304.49
D2 Insurance		\$53,134.94
TOTAL BONDS & INSURANCE:		\$101,439.42
SUBTOTAL 3 (SUBTOTAL 2 + BONDS & INS):		\$5,342,476.26
E. Sales Tax		
E1 Sales Tax		\$258,041.60
E2 Tax Credits		-\$51,569.77
TOTAL SALES TAX:		\$206,471.83
F. Approved Allowances		
F1 Traffic Control		\$585,922.68
F2 Police Officer		\$270,567.92
F3 Quality Control Testing		\$62,909.35
F4 Construction Water		\$28,857.50
F5 Crack Seal		\$40,400.50
F6 Paver Allowance		\$9,234.40
F7 Public Outreach		\$28,900.00
F8 Survey		\$57,800.00
F9 Landscape (Will be in GMP-003)		\$0.00
TOTAL ALLOWANCES:		\$1,084,592.35
G. Contingencies		
G1 Owner Contingency		\$500,000.00
G2 Contractors Contingency		\$285,881.94
TOTAL CONTINGENCIES:		\$785,881.94
H. Material Early Procurement Credit		
		-\$216,525.00
TOTAL GMP PROPOSAL:		\$7,202,897.39

Establishment of Values:

- Cost of Work (A) and Allowances (F) to be submitted with GMP Proposal.
- General Conditions Cost (B) to be established in Baseline Cost Model.
- CM@Risk Fee as set forth in Section 3.7.3 of this Contract

Exhibit D4: List of GMP-002 Documents
CHANDLER AND DOBSON WATERMAIN REPLACEMENT
COC Project Number: WW2005.403
GMP-002 Design
(04/26/2023)

DOCUMENTS:

- CITY OF CHANDLER, ARIZONA – CHANDLER BOULEVARD DOBSON ROAD TO CHIPPEWA PLACE WATER MAIN IMPROVEMENT, CITY PROJECT NO. WW2005.403, DATE: FEBRUARY 2023
- CITY OF CHANDLER, ARIZONA – CHANDLER BOULEVARD DOBSON ROAD TO CHIPPEWA PLACE WATER MAIN IMPROVEMENT, CITY PROJECT NO. WW2005.403, DATE: FEBRUARY 7, 2023, TECHNICAL SPECIFICATIONS
- WW2005.252 – CHANDLER BOULEVARD AND DOBSON ROAD SEWER AND WATER IMPROVMENTS – PRECONSTRUCTION CONTRACT
- SAECO – DIBBLE ENGINEERING – ISSUED - GEOTECHNICAL STUDY – CHANDLER BOULEVARD WATER MAIN IMPROVMENTS DOBSON TO CHIPPEWA PLACE, CHANDLER, ARIZONA
- UTILITY POTHOLE DATA – SSC UNDERGROUND
- GIS / GPS DATA DELIVERY REQUIRMENT, CITY OF CHANDLER



A-AA1-T ITEM No.	B DESCRIPTION OF WORK	QTY	Unit of Measure	Unit Price	C SCHEDULED VALUE	90% Cost Model						Explanation of Cost Change
						Units	UOM	Unit Price	Total Cost	Qty Difference	Difference Between Cost Models	
	WW2005.403											
1	Mobilization & Demobilization	1.00	LS	177,651.20	177,651.20	1.00	LS	153,653.50	153,653.50	0.00	(23997.70)	Increased sure to mobe on final asphalt quote
2	SWPPP	10.00	MO	21,758.95	217,589.50	10.00	MO	22,489.00	224,890.00	0.00	7300.50	Removed water truck from maintenance crew and finalized swppp quote
3	Survey	0.00	AL	0.00	0.00	1.00	LS	45,000.00	45,000.00	(1.00)	45000.00	Move to Allowance
4	Public Outreach	0.00	AL	0.00	0.00	1.00	AL	25,000.00	25,000.00	(1.00)	25000.00	Move to Allowance
5	Remove And Replace Disturbed Pavement Markings In Kind	0.00	LS	0.00	0.00	1.00	LS	32,452.00	32,452.00	(1.00)	32452.00	This will be incuded in GMP-003
6	Fog Seal Roadway	0.00	SY	0.00	0.00	31,426.00	SY	1.62	50,910.12	(31426.00)	50910.12	This will be included in GMP-003
7	Place And Fine Grade ABC Prior To Pavement	3,345.00	SY	15.21	50,877.45	5,071.00	SY	15.21	77,129.91	(1726.00)	26252.46	Reduced quantity from pages W13-W18 and will add the remaining GMP-003
8	Remove And Replace Curb And Gutter MAG Standard Detail 230	2,830.00	LF	42.94	121,520.20	3,579.00	LF	43.53	155,793.87	(749.00)	34273.67	Reduced quantity from pages W13-W18 and will add the remaining GMP-003
9	Remove And Replace Sidewalk MAG Standard Detail 230	3,236.00	SF	35.30	114,230.80	4,225.00	SF	35.29	149,100.25	(989.00)	34869.45	Reduced quantity from pages W13-W18 and will add the remaining GMP-003
10	Sawcut, Remove, And Replace Pavement MAG Standard Detail 200-1 & 200-2	3,345.00	SY	111.85	374,138.25	5,071.00	SY	120.15	609,280.65	(1726.00)	235142.40	Reduced quantity from pages W13-W18 and will add the remaining GMP-003
11	Remove And Replace Sidewalk Ramp In Kind - Identified In Potholing	0.00	EACH	0.00	0.00	1.00	EACH	8,209.50	8,209.50	(1.00)	8209.50	This will be incuded in GMP-003
12	Remove & Replace Median	0.00	LF	0.00	0.00	71.00	LF	545.64	38,740.44	(71.00)	38740.44	This will be included in GMP-003
13	Remove And Replace Valley Gutter & Apron Standard Detail 240	1,232.00	SF	68.53	84,428.96	1,472.00	SF	67.54	99,418.88	(240.00)	14989.92	Reduced quantity from pages W13-W18 and will add the remaining GMP-003
14	Replace Concrete Bus Bay COC Standard	729.00	SF	71.54	52,152.66	964.00	SF	70.44	67,904.16	(235.00)	15751.50	Reduced quantity from pages W13-W18 and will add the remaining GMP-003
15	Abandon In Place 12-inch ACP Watermain W/Grout MAG Std Spec 350	753.00	LF	36.85	27,748.05	3,704.00	LF	30.53	113,083.12	(2951.00)	85335.07	Reduced quantity from pages W13-W18 and will add the remaining GMP-003
16	Abandon In Place 12-Inch CIP Watermain W/Grout MAG Std Spec 350	4,205.00	LF	29.69	124,846.45	4,205.00	LF	29.69	124,846.45	0.00	0.00	
17	Abandon In Place 8-inch ACP Watermain W/Grout MAG Std Spec 350	94.00	LF	58.18	5,468.92	160.00	LF	67.45	10,792.00	(66.00)	5323.08	Reduced quantity from pages W13-W18 and will add the remaining GMP-003
18	Abandon In Place 8-inch CIP Watermain W/Grout MAG Std Spec 350	43.00	LF	73.47	3,159.21	43.00	LF	73.47	3,159.21	0.00	0.00	
19	Abandon In Place 6-Inch ACP Watermain W/Grout MAG Std Spec 350	126.00	LF	58.46	7,365.96	215.00	LF	60.94	13,102.10	(89.00)	5736.14	Reduced quantity from pages W13-W18 and will add the remaining GMP-003
20	Abandon 12-Inch Gate Valve In Closed Position MAG Std Det 350	11.00	EACH	901.94	9,921.34	14.00	EACH	891.04	12,474.56	(3.00)	2553.22	Reduced quantity from pages W13-W18 and will add the remaining GMP-003
21	Abandon 8-Inch Gate Valve In Closed Position Standard Detail 350	8.00	EACH	906.03	7,248.24	16.00	EACH	891.04	14,256.64	(8.00)	7008.40	Reduced quantity from pages W13-W18 and will add the remaining GMP-003
22	Abandon 6-inch Gate Valve In Closed Position MAG Standard Detail 350	14.00	EACH	882.46	12,354.44	18.00	EACH	891.04	16,038.72	(4.00)	3684.28	Reduced quantity from pages W13-W18 and will add the remaining GMP-003
23	Abandon In Place Water Service Line	190.00	LF	11.69	2,221.10	341.00	LF	13.02	4,439.82	(151.00)	2218.72	Reduced quantity from pages W13-W18 and will add the remaining GMP-003
24	Remove Existing Water Meter Box & Salvage Meter To City	17.00	EACH	920.03	15,640.51	19.00	EACH	920.04	17,480.76	(2.00)	1840.25	Reduced quantity from pages W13-W18 and will add the remaining GMP-003
25	Remove Existing Hydrant Assembly	11.00	EACH	1,542.49	16,967.39	13.00	EACH	1,540.20	20,022.60	(2.00)	3055.21	Reduced quantity from pages W13-W18 and will add the remaining GMP-003
26	Remove 12-inch CIP	127.00	LF	74.53	9,465.31	127.00	LF	74.53	9,465.31	0.00	0.00	
27	Remove 12-inch ACP	91.00	LF	88.41	8,045.31	91.00	LF	88.41	8,045.31	0.00	0.00	
28	Cut & Plug 6-inch Watermain	6.00	EACH	3,515.28	21,091.68	7.00	EACH	3,515.33	24,607.31	(1.00)	3515.63	Reduced quantity from pages W13-W18 and will add the remaining GMP-003
29	Cut & Plug 8-inch Watermain	5.00	EACH	3,528.13	17,640.65	13.00	EACH	3,528.18	45,866.34	(8.00)	28225.69	Reduced quantity from pages W13-W18 and will add the remaining GMP-003
30	Cut & Plug 12-inch Watermain	11.00	EACH	5,615.03	61,765.33	12.00	EACH	5,471.77	65,661.24	(1.00)	3895.91	Reduced quantity from pages W13-W18 and will add the remaining GMP-003
31	Remove 12-inch Gate Valve Backfill With 1/2 Sack CLSM	3.00	EACH	1,952.45	5,857.35	5.00	EACH	1,952.48	9,762.40	(2.00)	3905.05	Reduced quantity from pages W13-W18 and will add the remaining GMP-003
32	Remove 12-Inch Gate Valve And Cover	7.00	EACH	1,211.96	8,483.72	7.00	EACH	1,211.98	8,483.86	0.00	0.14	Rounding
33	Remove 8-inch Gate Vavle Backfill With 1/2 Sack CLSM	0.00	EACH	0.00	0.00	2.00	EACH	1,799.68	3,599.36	(2.00)	3599.36	Reduced quantity from pages W13-W18 and will add the remaining GMP-003
34	Remove 6-inch Gate Valve Backfill With 1/2 Sack CLSM	1.00	EACH	1,774.66	1,774.66	1.00	EACH	1,775.00	1,775.00	0.00	0.34	Rounding
35	Remove 24-inch SRP Irrigation Pipe	5.00	LF	482.38	2,411.90	5.00	LF	482.39	2,411.95	0.00	0.05	Rounding
36	Cut & Plug 24-inch Irrigation Pipe	2.00	EACH	1,109.33	2,218.66	2.00	EACH	1,109.34	2,218.68	0.00	0.02	Rounding
37	12-Inch Intersection Waterline Work	879.00	LF	869.99	764,721.21	879.00	LF	870.00	764,730.00	0.00	8.79	Rounding
38	12-Inch Class 350 DIP Watermain W/Polywrap, Valves, Fittings, Vertical/Horizontal Alignme	7,375.00	LF	74.38	548,552.50	7,375.00	LF	322.34	2,377,257.50	0.00	1828705.00	This only included the waterline materials for the project there is no equipment or labor included
39	8-inch Class 350 DIP Watermain With Polywrap, Fittings, And Valves	236.00	LF	540.32	127,515.52	448.00	LF	471.41	211,191.68	(212.00)	83676.16	Reduced quantity from pages W13-W18 and will add the remaining GMP-003
40	6-Inch Class 350 DIP Watermain W/Polywrap, Fittings, And Valves	321.00	LF	642.94	206,383.74	435.00	LF	539.57	234,712.95	(114.00)	28329.21	Reduced quantity from pages W13-W18 and will add the remaining GMP-003
41	4-inch Class 350 DIP Watermain W/PolyWrap	44.00	LF	441.01	19,404.44	44.00	LF	441.02	19,404.88	0.00	0.44	Rounding
42	Install 12-inch Perma Seal Valve	3.00	EACH	42,570.47	127,711.41	3.00	EACH	42,571.00	127,713.00	0.00	1.59	Rounding
43	Install 12-inch Inserta Valve Romac Industries Or Approved Equivalent	3.00	EACH	30,661.44	91,984.32	3.00	EACH	30,662.00	91,986.00	0.00	1.68	Rounding
44	12X12 Cut In Tee	1.00	EACH	19,116.61	19,116.61	1.00	EACH	19,117.00	19,117.00	0.00	0.39	Rounding
45	Install 16-inch Gate Valve	1.00	EACH	16,116.99	16,116.99	1.00	EACH	16,117.00	16,117.00	0.00	0.01	Rounding
46	Install 16 X 8 Tee	1.00	EACH	31,546.59	31,546.59	1.00	EACH	31,547.00	31,547.00	0.00	0.41	Rounding
47	Note 29 Thrust Block Installation @ Intersection	4.00	EACH	4,673.41	18,693.64	4.00	EACH	4,673.50	18,694.00	0.00	0.36	Rounding
48	Thrust Block On Chandler Blvd	8.00	EACH	2,089.01	16,712.08	8.00	EACH	2,089.00	16,712.00	0.00	(0.08)	Rounding
49	Concrete Encasement	39.00	LF	301.62	11,763.18	39.00	LF	301.63	11,763.57	0.00	0.39	Rounding
50	Connect To Existing 12-inch Watermain ACP To DIP Transition Coupling	5.00	EACH	11,022.21	55,111.05	5.00	EACH	11,022.35	55,111.75	0.00	0.70	Rounding
51	Connect To Existing 12-inch Watermain	6.00	EACH	10,328.17	61,969.02	6.00	EACH	10,328.30	61,969.80	0.00	0.78	Rounding
52	Connect To Existing 8-inch ACP Water Main To DIP Coupling	0.00	EACH	0.00	0.00	3.00	EACH	9,539.00	28,617.00	(3.00)	28617.00	Reduced quantity from pages W13-W18 and will add the remaining GMP-003
53	Connect To Existing 8-inch PVC Watermain To DIP Transition Coupling	2.00	EACH	7,584.18	15,168.36	2.00	EACH	7,584.00	15,168.00	0.00	(0.36)	Rounding
54	Connect To Existing 6" ACP Watermain ACP To DIP Coupling	4.00	EACH	6,720.69	26,882.76	4.00	EACH	6,721.00	26,884.00	0.00	1.24	Rounding
55	Connect To Existing 6-inch Watermain Not ACP	1.00	EACH	6,194.65	6,194.65	1.00	EACH	6,195.00	6,195.00	0.00	0.35	Rounding
56	Connect To Existing 4" DIP Main	2.00	EACH	5,659.87	11,319.74	2.00	EACH	5,660.00	11,320.00	0.00	0.26	Rounding
57	Fire Hydrant Assembly COC Standard Detail C-303 & C-305	11.00	EACH	8,308.48	91,393.28	13.00	EACH	7,768.00	100,984.00	(2.00)	9590.72	Reduced quantity from pages W13-W18 and will add the remaining GMP-003
58	4-inch Bollard Type 1 COC Standard Detail C-105 & Mag Standard Detail 140	4.00	EACH	543.84	2,175.36	4.00	EACH	544.00	2,176.00	0.00	0.64	Rounding
59	1" Type K Soft Copper Service Line COC Standard Detail C-301	115.00	LF	162.93	18,736.95	177.00	LF	140.50	24,868.50	(62.00)	6131.55	Reduced quantity from pages W13-W18 and will add the remaining GMP-003
60	1.5" Copper Service Line COC Standard Detail C-301	237.00	LF	163.83	38,827.71	358.00	LF	127.69	45,713.02	(121.00)	6885.31	Reduced quantity from pages W13-W18 and will add the remaining GMP-003
61	2" Rigid Copper Service Line COC Standard Detail C-301	81.00	LF	201.30	16,305.30	146.00	LF	142.23	20,765.58	(65.00)	4460.28	Reduced quantity from pages W13-W18 and will add the remaining GMP-003
62	Locate & Connect Existing Services	17.00	EACH	1,334.01	22,678.17	25.00	EACH	1,334.03	33,350.75	(8.00)	10672.58	Reduced quantity from pages W13-W18 and will add the remaining GMP-003
63	1" Backflow Preventer & Enclosure COC Standard Detail C-311	3.00	EACH	8,910.90	26,732.70	3.00	EACH	8,911.00	26,733.00	0.00	0.30	Rounding
64	1.5" Backflow Preventer & Enclosure COC Standard Detail C-311	3.00	EACH	9,376.52	28,129.56	3.00	EACH	9,377.00	28,131.00	0.00	1.44	Rounding
65	2" Backflow Preventer & Enclosure COC Standard Detail C-302	1.00	EACH	11,720.11	11,720.11	1.00	EACH	11,720.00	11,720.00	0.00	(0.11)	Rounding
66	4-inch Backflow Preventer COC Standard Detail C-315	1.00	EACH	21,684.03	21,684.03	1.00	EACH	21,684.00	21,684.00	0.00	(0.03)	Rounding
67	6" Backflow Preventer And Enclosure COC Standard Detail C-315	2.00	EACH	31,731.44	63,462.88	2.00	EACH	31,732.00	63,464.00	0.00	1.12	Rounding



ITEM No.	B				90% Cost Model							
	DESCRIPTION OF WORK	QTY	Unit of Measure	Unit Price	SCHEDULED VALUE	Units	UOM	Unit Price	Total Cost	Qty Difference	Difference Between Cost Models	Explanation of Cost Change
68	Water Meter Box	17.00	EACH	597.46	10,156.82	20.00	EACH	597.50	11,950.00	(3.00)	1793.18	Reduced quantity from pages W13-W18 and will add the remaining GMP-003
69	2" Combo Air Relief Valve	1.00	EACH	14,113.15	14,113.15	1.00	EACH	14,113.00	14,113.00	0.00	(0.15)	Rounding
70	Temporary Waterline Installation And Removal	2.00	EACH	20,135.91	40,271.82	2.00	EACH	20,136.00	40,272.00	0.00	0.18	
71	SRP Engineered Supports	2.00	EACH	6,344.43	12,688.86	2.00	EACH	6,345.00	12,690.00	0.00	1.14	Rounding
					\$ 4,160,229.71				\$ -		\$ 2,713,673.29	
	General Conditions											
72	General Conditions	7	MO	\$ 95,745.57	\$ 670,218.99	10	MO	\$ 94,015.00	\$ 940,150.00		\$ 269,931.01	Reduced item in GC the remain will be in GMP-003
	Subtotal with General Conditions				\$ 4,830,448.70							
	8.5% Markup				\$ 410,588.14							
	Total with OH&P				\$ 5,241,036.84							
	Insurand and Bond on Subtotal of CMAR Direct Work + Overhead & Profit											
	Insurance Cost (1.1%)				\$ 53,134.94							
	Bond Cost (1%)				\$ 48,304.49							
	Subtotal Bond and Insurance				\$ 101,439.42							
	Subtotal Bond and Insurance+ CMAR Direct Work + Overhead & Profit				\$ 5,342,476.26							
	Sales Tax (4.83%)											
	Sales Tax (4.83%) (Includes Cost of Insurance and Bond * .0483)				\$ 258,041.60							
	Anticipated Material Tax Credit				\$ (51,569.77)							
	Combined Total with Insurance, Bonds, & Tax				\$ 5,600,517.87							
	ALLOWANCE											
F1	Traffic Control Allowance	1	AL	\$ 585,922.68	\$ 585,922.68							
F2	Police Officer	1	AL	\$ 270,567.92	\$ 270,567.92							
F3	Quality Control Testing	1	AL	\$ 62,909.35	\$ 62,909.35							
F4	Construction Water	1	AL	\$ 28,857.50	\$ 28,857.50							
F5	Crack Seal	1	AL	\$ 40,400.50	\$ 40,400.50							
F6	Paver Allowance	1	AL	\$ 9,234.40	\$ 9,234.40							
F7	Public Outreach	1	AL	\$ 28,900.00	\$ 28,900.00							
F8	Survey	1	AL	\$ 57,800.00	\$ 57,800.00							
F9	Landscape (Allowance will be GMP-003)	1	AL	\$ -	\$ -							
	Subtotal with Allowances			\$ 1,084,592.35	\$ 6,633,540.45							
500	Contractors Contingency	1	AL	\$ 285,881.94	\$ 285,881.94							
510	Owner's Contingency	1	AL	\$ 500,000.00	\$ 500,000.00							
	Subtotal of Contingency			\$ 785,881.94	\$ 7,419,422.39							



Proposal

Corporate: 11011 N. 23rd Ave. Phoenix, AZ 85029

Office: 623-582-1170|Fax: 623-582-3761

Tucson: 1904 W. Prince Rd. Tucson, AZ 85705

Office: 520-207-8228|Fax: 520-305-3323

AZ Licenses: ROC-089744 A General Contracting

ROC-111282 B-04 General Engineering

Cost Detail

Project Name:	Chandler Dobson Water Install Project	Customer:	City of Chandler
Job Number:	W22351	Bid Number:	W22351
Bid As:	B&F Contracting, Inc.	Billing Address:	Mail Stop 407, P.O. Box 4008 Chandler, AZ 85244 USA
Estimator:	Joshua Onstott	Phone:	4807823310
Project Address:	Chandler Blvd/ Dobson Rd, Chandler, AZ	Contact:	Melanie Sikes
Completion Date:	8/1/2024		

Pay Items

Description	Quantity	UM	Man Hours	Man Hours per Unit	Unit Direct Cost	Total Direct Cost
D 1 - Mobilization	1.00	LS	866.67	866.67	\$177,653.56	\$177,653.56
Asphalt Mobilization (P1 Paving & Construction)	16.00	EACH			\$1,500.00	\$24,000.00
B&F Onsite Mobilization	50.00	TRIP	266.67	5.33	\$879.06	\$43,952.80
GC-Mobilization Crew (1.50 TRIP/DY, 33.33 DY)	50.00	TRIP	266.67	5.33	\$879.06	\$43,952.80
Grade And Plate Yard And Removal	2.00	DY	80.00	40.00	\$12,047.88	\$24,095.76
GC-Site/Yard Setup & Takedown Crew (1.00 DY/DY, 2.00 DY)	2.00	DY	80.00	40.00	\$2,972.88	\$5,945.76
Aggregate - ABC Non Spec	825.00	TON			\$22.00	\$18,150.00
Fence Setup And Screen Install (0.33 LS/DY, 3.00 DY)	1.00	LS	120.00	120.00	\$10,960.80	\$10,960.80
Fence Screen	1.00	LS			\$1,250.00	\$1,250.00
Unload And Store Materials	10.00	DY	400.00	40.00	\$3,705.92	\$37,059.20
GC-Unload & String Pipe Crew (1.00 DY/DY, 10.00 DY)	10.00	DY	400.00	40.00	\$3,705.92	\$37,059.20
Project Signage	1.00	LS			\$2,000.00	\$2,000.00
Cold Mix	300.00	TON			\$45.45	\$13,635.00
Office Power, Internet, And Equipping	1.00	LS			\$20,700.00	\$20,700.00
D 2 - SWPPP	10.00	MO	1,120.00	112.00	\$21,759.24	\$217,592.40
SWPP Inspections (Argus Construction Services)	25.00	UNIT			\$160.00	\$4,000.00
SWPP Maintenance Site Clean Up (1.00 MO/DY, 10.00 DY)	10.00	MO	240.00	24.00	\$2,198.08	\$21,980.80
Buy / Replace SWPPP Material	1.00	LS			\$12,500.00	\$12,500.00
Sweeper	10.00	MO			\$4,000.00	\$40,000.00
Water Support	10.00	MO	880.00	88.00	\$10,311.84	\$103,118.40
Wash Out	10.00	EACH			\$350.00	\$3,500.00
SWPPP Dust Control Inspection (Argus Construction Services)	25.00	EACH			\$35.00	\$875.00
Dust Sign (Argus Construction Services)	1.00	EACH			\$325.00	\$325.00
Install And Remove SWPPP Sign	1.00	LS			\$1,250.00	\$1,250.00
D 7 - Place And Fine Grade ABC Prior To Pavement	3,345.00	SY	569.92	0.17	\$15.21	\$50,892.23
Fine Grade Trench	3,345.00	SY	569.92	0.17	\$15.21	\$50,892.23

Description		Quantity	UM	Man Hours	Man Hours per Unit	Unit Direct Cost	Total Direct Cost
<i>(Item 7 - Place And Fine Grade ABC Prior To Pavement continued)</i>							
	Subgrade Preparation (281.72 SY/DY, 11.87 DY)	3,345.00	SY	569.92	0.17	\$15.21	\$50,892.23
D	8 - Remove And Replace Curb And Gutter MAG Standard Detail 230	2,830.00	LF	1,141.60	0.40	\$42.94	\$121,509.31
	Curb And Gutter Remove & Replacement	2,830.00	LF	1,141.60	0.40	\$42.94	\$121,509.31
	CP-Concrete Demo Curb & Gutter Crew (750.00 LF/DY, 3.77 DY)	2,830.00	LF	181.12	0.06	\$6.16	\$17,437.93
	CP-Concrete Curb & Gutter Crew (165.00 LF/DY, 17.15 DY)	2,830.00	LF	960.48	0.34	\$22.59	\$63,917.52
	Form, Cure, Stakes	1.00	LS			\$2,251.00	\$2,251.00
	Aggregate - ABC MAG Spec	124.30	TON			\$22.00	\$2,734.60
	Ready Mix Concrete - MAG B 2500	165.90	CY			\$172.50	\$28,617.75
	Trucking (8.53 DY, 0.54 Trucks, 41.47 LF/HR)	2,830.00	LF			\$1.75	\$4,950.51
	Dump Fee - Concrete	16.00	LOAD			\$100.00	\$1,600.00
D	9 - Remove And Replace Sidewalk MAG Standard Detail 230	3,236.00	SF	1,266.83	0.39	\$35.30	\$114,227.46
	Remove And Replace Concrete Sidewalk	3,236.00	SF	1,266.83	0.39	\$35.30	\$114,227.46
	CP-Concrete Demo Sidewalk Crew (650.00 SF/DY, 4.98 DY)	3,236.00	SF	159.31	0.05	\$5.20	\$16,825.61
	Subgrade Preparation (469.44 SY/DY, 6.89 DY)	3,236.00	SY	330.88	0.10	\$9.13	\$29,546.14
	CP-Concrete Sidewalk Crew (200.00 SF/DY, 16.18 DY)	3,236.00	SF	776.64	0.24	\$17.03	\$55,101.31
	Forms, Cure, Stakes	1.00	LS			\$3,830.00	\$3,830.00
	Aggregate - ABC MAG Spec	62.70	TON			\$22.00	\$1,379.40
	Ready Mix Concrete - MAG B 2500	42.00	CY			\$172.50	\$7,245.00
	Dump Fee - Concrete	3.00	LOAD			\$100.00	\$300.00
D	10 - Sawcut, Remove, And Replace Pavement MAG Standard Detail 200-1 & 200-2	3,345.00	SY	1,011.55	0.30	\$111.86	\$374,157.45
	Remove Existing AC Trench Paving	3,345.00	SY	1,011.55	0.30	\$31.16	\$104,215.95
	CP-Sawcutting Large Crew (291.00 SY/DY, 11.49 DY)	3,345.00	SY	367.84	0.11	\$9.94	\$33,239.41
	CP-Asphalt Demo Crew (291.00 SY/DY, 11.49 DY)	3,345.00	SY	643.71	0.19	\$21.22	\$70,976.53
	Replace AC Trench Paving (P1 Paving & Construction)	3,345.00	SY			\$80.70	\$269,941.50
D	13 - Remove And Replace Valley Gutter & Apron Standard Detail 240	1,232.00	SF	888.96	0.72	\$68.53	\$84,424.10
	Chandler Blvd	1,232.00	SF	888.96	0.72	\$68.53	\$84,424.10
	CP-Concrete Valley Gutter Crew (163.56 SF/DY, 7.53 DY)	1,232.00	SF	421.83	0.34	\$23.16	\$28,538.34
	CP-Concrete Demo Valley Gutter Crew (336.00 SF/DY, 3.67 DY)	1,232.00	SF	176.00	0.14	\$16.24	\$20,002.69
	CP-Sawcutting Small Crew (368.00 LF/DY, 3.35 DY)	1,232.00	LF	80.35	0.07	\$5.11	\$6,300.88
	Material Per Bid Item	1.00	LS			\$3,348.00	\$3,348.00
	Aggregate - ABC MAG Spec	60.50	TON			\$22.00	\$1,331.00
	Ready Mix Concrete - MAG A 3000	34.65	CY			\$175.50	\$6,081.08
	Subgrade Preparation (280.56 SY/DY, 4.39 DY)	1,232.00	SY	210.78	0.17	\$15.28	\$18,822.11
D	14 - Replace Concrete Bus Bay COC Standard	729.00	SF	514.73	0.71	\$71.54	\$52,153.15
	Chandler Blvd	234.00	SF	161.34	0.69	\$67.42	\$15,776.30
	CP-Concrete Valley Gutter Crew (163.56 SF/DY, 1.43 DY)	234.00	SF	80.12	0.34	\$23.16	\$5,420.28

Description		Quantity	UM	Man Hours	Man Hours per Unit	Unit Direct Cost	Total Direct Cost
(Item 14 - Replace Concrete Bus Bay COC Standard continued)							
 CP-Concrete Demo Valley Gutter Crew (336.00 SF/DY, 0.70 DY)		234.00	SF	33.43	0.14	\$16.24	\$3,799.21
 Subgrade Preparation (235.00 SY/DY, 1.00 DY)		234.00	SY	47.80	0.20	\$18.24	\$4,268.00
 Material Per Bid Item		1.00	LS			\$500.00	\$500.00
 Aggregate - ABC MAG Spec		14.30	TON			\$22.00	\$314.60
 Ready Mix Concrete - MAG A 3000		8.40	CY			\$175.50	\$1,474.20
 Chandler Blvd		229.00	SF	159.11	0.69	\$68.00	\$15,573.02
 CP-Concrete Valley Gutter Crew (163.57 SF/DY, 1.40 DY)		229.00	SF	78.40	0.34	\$23.16	\$5,304.14
 CP-Concrete Demo Valley Gutter Crew (336.00 SF/DY, 0.68 DY)		229.00	SF	32.71	0.14	\$16.24	\$3,718.03
 Subgrade Preparation (229.00 SY/DY, 1.00 DY)		229.00	SY	48.00	0.21	\$18.72	\$4,286.24
 Material Per Bid Item		1.00	LS			\$500.00	\$500.00
 Aggregate - ABC MAG Spec		13.20	TON			\$22.00	\$290.40
 Ready Mix Concrete - MAG A 3000		8.40	CY			\$175.50	\$1,474.20
 Trucking (2.00 DY, 1.12 Trucks, 45.56 SF/HR)		729.00	SF			\$3.33	\$2,425.23
 Dump Fee - Concrete		5.00	LOAD			\$100.00	\$500.00
 Chandler Blvd		265.00	SF	167.05	0.63	\$58.09	\$15,393.69
 CP-Concrete Valley Gutter Crew (163.57 SF/DY, 1.62 DY)		265.00	SF	90.73	0.34	\$23.16	\$6,137.98
 CP-Concrete Demo Valley Gutter Crew (500.00 SF/DY, 0.53 DY)		265.00	SF	25.44	0.10	\$10.91	\$2,891.30
 Subgrade Preparation (250.00 SY/DY, 1.06 DY)		265.00	SY	50.88	0.19	\$17.14	\$4,543.41
 Material Per Bid Item		1.00	LS			\$250.00	\$250.00
 Aggregate - ABC MAG Spec		4.40	TON			\$22.00	\$96.80
 Ready Mix Concrete - MAG A 3000		8.40	CY			\$175.50	\$1,474.20
 CP-Sawcutting Small Crew (642.67 LF/DY, 1.13 DY)		729.00	LF	27.22	0.04	\$2.93	\$2,134.91
 Eco Pan		1.00	LOAD			\$350.00	\$350.00
 15 - Abandon In Place 12-inch ACP Watermain W/Grout MAG Std Spec 350		753.00	LF	204.28	0.27	\$36.85	\$27,745.72
 Chandler Dobson Intersection Sta 100+00 To 102+00		325.00	LF	80.00	0.25	\$32.56	\$10,580.80
 Grouting Crew		1.00	EACH	16.00	16.00	\$1,034.48	\$1,034.48
 WL-Abandonment Crew (162.50 LF/DY, 2.00 DY)		325.00	LF	64.00	0.20	\$16.58	\$5,388.32
 Miscellaneous-Materials		1.00	LS			\$500.00	\$500.00
 Grout - Mix		10.50	TON			\$196.00	\$2,058.00
 Grout Pump		1.00	EACH			\$1,600.00	\$1,600.00
 Chandler Blvd Sta 28+00 To Sta 33+00		240.00	LF	63.26	0.26	\$35.64	\$8,554.15
 Chandler Dobson Intersection Sta 100+00 To 102+00		240.00	LF	63.26	0.26	\$35.64	\$8,554.15
 WL-Abandonment Crew (162.50 LF/DY, 1.48 DY)		240.00	LF	47.26	0.20	\$16.58	\$3,979.07
 Miscellaneous-Materials		1.00	LS			\$500.00	\$500.00
 Grout - Mix		7.35	TON			\$196.00	\$1,440.60
 Grout Pump		1.00	EACH			\$1,600.00	\$1,600.00
 Grout Crew		1.00	EACH	16.00	16.00	\$1,034.48	\$1,034.48
 Grouting Crew		1.00	EACH	16.00	16.00	\$1,034.48	\$1,034.48
 Chandler BLVD Sta 42+50 To Sta 47+50		8.00	LF	9.58	1.20	\$219.46	\$1,755.68
 WL-Abandonment Crew (162.50 LF/DY, 0.05 DY)		8.00	LF	1.58	0.20	\$16.58	\$132.64

Description		Quantity	UM	Man Hours	Man Hours per Unit	Unit Direct Cost	Total Direct Cost
(Item 15 - Abandon In Place 12-inch ACP Watermain W/Grout MAG Std Spec 350 continued)							
 Miscellaneous-Materials		1.00	LS			\$100.00	\$100.00
 Grout - Mix		1.05	TON			\$196.00	\$205.80
 Grout Pump		1.00	EACH			\$800.00	\$800.00
 Grout Crew		1.00	EACH	8.00	8.00	\$517.24	\$517.24
 Grouting Crew		1.00	EACH	8.00	8.00	\$517.24	\$517.24
 Chandler Blvd And Arrowhead Dr		180.00	LF	51.45	0.29	\$38.08	\$6,855.10
 WL-Abandonment Crew (162.50 LF/DY, 1.11 DY)		180.00	LF	35.45	0.20	\$16.58	\$2,984.30
 Miscellaneous-Materials		0.25	LS			\$500.00	\$125.00
 Grout - Mix		5.67	TON			\$196.00	\$1,111.32
 Grout Pump		1.00	EACH			\$1,600.00	\$1,600.00
 Grouting Crew		1.00	EACH	16.00	16.00	\$1,034.48	\$1,034.48
 16 - Abandon In Place 12-Inch CIP Watermain W/Grout MAG Std Spec 350		4,205.00	LF	962.49	0.23	\$29.69	\$124,830.86
 Chandler Blvd Sta 28+00 To Sta 33+00		283.00	LF	71.73	0.25	\$33.64	\$9,520.20
 Grouting Crew		1.00	EACH	16.00	16.00	\$1,034.48	\$1,034.48
 WL-Abandonment Crew (162.50 LF/DY, 1.74 DY)		283.00	LF	55.73	0.20	\$16.58	\$4,691.98
 Miscellaneous-Materials		1.00	LS			\$500.00	\$500.00
 Grout - Mix		8.64	TON			\$196.00	\$1,693.73
 Grout Pump		1.00	EACH			\$1,600.00	\$1,600.00
 Chandler Blvd Sta 33+00 To Sta 38+00		481.00	LF	110.72	0.23	\$29.09	\$13,990.39
 Miscellaneous-Materials		1.00	LS			\$500.00	\$500.00
 Grout - Mix		14.70	TON			\$196.00	\$2,881.20
 WL-Abandonment Crew (162.50 LF/DY, 2.96 DY)		481.00	LF	94.72	0.20	\$16.58	\$7,974.71
 Grout Pump		1.00	EACH			\$1,600.00	\$1,600.00
 Grouting Crew		1.00	EACH	16.00	16.00	\$1,034.48	\$1,034.48
 Chandler Blvd Sta 38+00 To Sta 42+50		450.00	LF	104.62	0.23	\$29.49	\$13,270.63
 Miscellaneous-Materials		1.00	LS			\$500.00	\$500.00
 Grout - Mix		13.65	TON			\$196.00	\$2,675.40
 WL-Abandonment Crew (162.50 LF/DY, 2.77 DY)		450.00	LF	88.62	0.20	\$16.58	\$7,460.75
 Grout Pump		1.00	EACH			\$1,600.00	\$1,600.00
 Grouting Crew		1.00	EACH	16.00	16.00	\$1,034.48	\$1,034.48
 Chandler Blvd Sta 42+50 To Sta 47+50		500.00	LF	114.46	0.23	\$29.02	\$14,511.20
 Miscellaneous-Materials		1.00	LS			\$500.00	\$500.00
 Grout - Mix		15.75	TON			\$196.00	\$3,087.00
 WL-Abandonment Crew (162.50 LF/DY, 3.08 DY)		500.00	LF	98.46	0.20	\$16.58	\$8,289.72
 Grout Pump		1.00	EACH			\$1,600.00	\$1,600.00
 Grouting Crew		1.00	EACH	16.00	16.00	\$1,034.48	\$1,034.48
 Chandler Blvd Sta 47+50 To Sta 52+50		500.00	LF	114.46	0.23	\$29.43	\$14,717.00
 Miscellaneous-Materials		1.00	LS			\$500.00	\$500.00
 Grout - Mix		16.80	TON			\$196.00	\$3,292.80
 WL-Abandonment Crew (162.50 LF/DY, 3.08 DY)		500.00	LF	98.46	0.20	\$16.58	\$8,289.72
 Grout Pump		1.00	EACH			\$1,600.00	\$1,600.00
 Grouting Crew		1.00	EACH	16.00	16.00	\$1,034.48	\$1,034.48
 Chandler Blvd Sta 52+50 To Sta 57+50		340.00	LF	82.95	0.24	\$31.85	\$10,829.49
 Miscellaneous-Materials		1.00	LS			\$500.00	\$500.00
 Grout - Mix		10.50	TON			\$196.00	\$2,058.00
 WL-Abandonment Crew (162.50 LF/DY, 2.09 DY)		340.00	LF	66.95	0.20	\$16.58	\$5,637.01

Description		Quantity	UM	Man Hours	Man Hours per Unit	Unit Direct Cost	Total Direct Cost
(Item 16 - Abandon In Place 12-Inch CIP Watermain W/Grout MAG Std Spec 350 continued)							
 Grout Pump		1.00	EACH			\$1,600.00	\$1,600.00
 Grouting Crew		1.00	EACH	16.00	16.00	\$1,034.48	\$1,034.48
 Chandler Blvd Sta 57+50 To Sta 61+50		371.00	LF	63.49	0.17	\$25.33	\$9,396.41
 Miscellaneous-Materials		1.00	LS			\$500.00	\$500.00
 Grout - Mix		11.55	TON			\$196.00	\$2,263.80
 WL-Abandonment Crew (250.00 LF/DY, 1.48 DY)		371.00	LF	47.49	0.13	\$10.78	\$3,998.13
 Grout Pump		1.00	EACH			\$1,600.00	\$1,600.00
 Grouting Crew		1.00	EACH	16.00	16.00	\$1,034.48	\$1,034.48
 Chandler Blvd Sta 61+50 To Sta 66+50		500.00	LF	114.46	0.23	\$29.32	\$14,661.20
 Miscellaneous-Materials		1.00	LS			\$500.00	\$500.00
 Grout - Mix		15.75	TON			\$196.00	\$3,087.00
 Subcontracted-Concrete Pump Truck		1.00	DY			\$1,750.00	\$1,750.00
 WL-Abandonment Crew (162.50 LF/DY, 3.08 DY)		500.00	LF	98.46	0.20	\$16.58	\$8,289.72
 Grouting Crew		1.00	EACH	16.00	16.00	\$1,034.48	\$1,034.48
 Chandler Blvd Sta 66+50 To Sta 71+00		450.00	LF	104.62	0.23	\$29.49	\$13,270.63
 Miscellaneous-Materials		1.00	LS			\$500.00	\$500.00
 Grout - Mix		13.65	TON			\$196.00	\$2,675.40
 WL-Abandonment Crew (162.50 LF/DY, 2.77 DY)		450.00	LF	88.62	0.20	\$16.58	\$7,460.75
 Grout Pump		1.00	EACH			\$1,600.00	\$1,600.00
 Grouting Crew		1.00	EACH	16.00	16.00	\$1,034.48	\$1,034.48
 Chandler Blvd Sta 71+00 To Sta 76+00		330.00	LF	80.98	0.25	\$32.31	\$10,663.70
 Miscellaneous-Materials		1.00	LS			\$500.00	\$500.00
 Grout - Mix		10.50	TON			\$196.00	\$2,058.00
 WL-Abandonment Crew (162.50 LF/DY, 2.03 DY)		330.00	LF	64.98	0.20	\$16.58	\$5,471.22
 Grout Pump		1.00	EACH			\$1,600.00	\$1,600.00
 Grouting Crew		1.00	EACH	16.00	16.00	\$1,034.48	\$1,034.48
 17 - Abandon In Place 8-inch ACP Watermain W/Grout MAG Std Spec 350		94.00	LF	29.00	0.31	\$58.18	\$5,469.32
 Chandler Blvd Sta 28+00 To Sta 33+00		40.00	LF	15.88	0.40	\$77.74	\$3,109.42
 WL-Abandonment Crew (162.50 LF/DY, 0.25 DY)		40.00	LF	7.88	0.20	\$16.58	\$663.18
 Miscellaneous-Materials		1.00	LS			\$100.00	\$100.00
 Grout - Mix		5.25	TON			\$196.00	\$1,029.00
 Grout Pump		1.00	EACH			\$800.00	\$800.00
 Grouting Crew		1.00	EACH	8.00	8.00	\$517.24	\$517.24
 Chandler Blvd W2		20.00	LF	11.94	0.60	\$97.73	\$1,954.63
 WL-Abandonment Crew (162.50 LF/DY, 0.12 DY)		20.00	LF	3.94	0.20	\$16.58	\$331.59
 Miscellaneous-Materials		1.00	LS			\$100.00	\$100.00
 Grout - Mix		1.05	TON			\$196.00	\$205.80
 Grout Pump		1.00	EACH			\$800.00	\$800.00
 Grouting Crew		1.00	EACH	8.00	8.00	\$517.24	\$517.24
 Chandler Blvd W5		6.00	LF	1.18	0.20	\$67.55	\$405.28
 WL-Abandonment Crew (162.50 LF/DY, 0.04 DY)		6.00	LF	1.18	0.20	\$16.58	\$99.48
 Miscellaneous-Materials		1.00	LS			\$100.00	\$100.00
 Grout - Mix		1.05	TON			\$196.00	\$205.80
 18 - Abandon In Place 8-inch CIP Watermain W/Grout MAG Std Spec 350		43.00	LF	16.47	0.38	\$73.47	\$3,159.16
 Chandler Blvd W19 & W20		43.00	LF	16.47	0.38	\$73.47	\$3,159.16

Description		Quantity	UM	Man Hours	Man Hours per Unit	Unit Direct Cost	Total Direct Cost
(Item 18 - Abandon In Place 8-inch CIP Watermain W/Grout MAG Std Spec 350 continued)							
 WL-Abandonment Crew (162.50 LF/DY, 0.26 DY)		43.00	LF	8.47	0.20	\$16.58	\$712.92
 Miscellaneous-Materials		1.00	LS			\$100.00	\$100.00
 Grout - Mix		5.25	TON			\$196.00	\$1,029.00
 Grout Pump		1.00	EACH			\$800.00	\$800.00
 Grouting Crew		1.00	EACH	8.00	8.00	\$517.24	\$517.24
D 19 - Abandon In Place 6-Inch ACP Watermain W/Grout MAG Std Spec 350		126.00	LF	44.16	0.35	\$58.46	\$7,366.44
 Chandler Blvd Sta 47.50 To Sta 52+50		35.00	LF	13.60	0.39	\$82.70	\$2,894.52
 WL-Abandonment Crew (200.00 LF/DY, 0.18 DY)		35.00	LF	5.60	0.16	\$13.47	\$471.48
 Miscellaneous-Materials		1.00	LS			\$100.00	\$100.00
 Grout - Mix		1.05	TON			\$196.00	\$205.80
 Grout Pump		1.00	EACH			\$1,600.00	\$1,600.00
 Grouting Crew		1.00	EACH	8.00	8.00	\$517.24	\$517.24
 Chandler Blvd Sta 66+50 To Sta 71+00		30.00	LF	12.80	0.43	\$67.57	\$2,027.16
 WL-Abandonment Crew (200.00 LF/DY, 0.15 DY)		30.00	LF	4.80	0.16	\$13.47	\$404.12
 Miscellaneous-Materials		1.00	LS			\$100.00	\$100.00
 Grout - Mix		1.05	TON			\$196.00	\$205.80
 Grout Pump		1.00	EACH			\$800.00	\$800.00
 Grouting Crew		1.00	EACH	8.00	8.00	\$517.24	\$517.24
 Chandler Blvd Sta 71+00 To Sta 76+00		61.00	LF	17.76	0.29	\$40.08	\$2,444.76
 WL-Abandonment Crew (200.00 LF/DY, 0.31 DY)		61.00	LF	9.76	0.16	\$13.47	\$821.72
 Miscellaneous-Materials		1.00	LS			\$100.00	\$100.00
 Grout - Mix		1.05	TON			\$196.00	\$205.80
 Grout Pump		1.00	EACH			\$800.00	\$800.00
 Grouting Crew		1.00	EACH	8.00	8.00	\$517.24	\$517.24
D 20 - Abandon 12-Inch Gate Valve In Closed Position MAG Std Det 350		11.00	EACH	88.00	8.00	\$901.95	\$9,921.48
 Chandler Blvd Sta 42+50 To Sta 47+50		3.00	EACH	24.00	8.00	\$851.04	\$2,553.13
 Ready Mix - Slurry ABC Slurry 1/2 Sack		3.15	YARD			\$122.00	\$384.30
 SL-Plug Valve 12in Appurtenance Crew (5.00 EACH/DY, 0.60 DY)		3.00	EACH	24.00	8.00	\$722.94	\$2,168.83
 Chandler Blvd Sta 52+50 To Sta 57+50		2.00	EACH	16.00	8.00	\$851.04	\$1,702.09
 Ready Mix - Slurry ABC Slurry 1/2 Sack		2.10	YARD			\$122.00	\$256.20
 SL-Plug Valve 12in Appurtenance Crew (5.00 EACH/DY, 0.40 DY)		2.00	EACH	16.00	8.00	\$722.94	\$1,445.89
 Chandler Blvd Sta 66+50 To Sta 71+00		4.00	EACH	32.00	8.00	\$851.04	\$3,404.18
 SL-Plug Valve 12in Appurtenance Crew (5.00 EACH/DY, 0.80 DY)		4.00	EACH	32.00	8.00	\$722.94	\$2,891.78
 Ready Mix - Slurry ABC Slurry 1/2 Sack		4.20	YARD			\$122.00	\$512.40
 Chandler Blvd Sta 71+00 To Sta 76+00		1.00	EACH	8.00	8.00	\$851.04	\$851.04
 SL-Plug Valve 12in Appurtenance Crew (5.00 EACH/DY, 0.20 DY)		1.00	EACH	8.00	8.00	\$722.94	\$722.94
 Ready Mix - Slurry ABC Slurry 1/2 Sack		1.05	YARD			\$122.00	\$128.10
 Chandler Blvd Sta 28+00 To Sta 33+00		1.00	EACH	8.00	8.00	\$851.04	\$851.04
 SL-Plug Valve 12in Appurtenance Crew (5.00 EACH/DY, 0.20 DY)		1.00	EACH	8.00	8.00	\$722.94	\$722.94
 Ready Mix - Slurry ABC Slurry 1/2 Sack		1.05	YARD			\$122.00	\$128.10
 Concrete - Short Load Fee		2.80	EACH			\$200.00	\$560.00

Description		Quantity	UM	Man Hours	Man Hours per Unit	Unit Direct Cost	Total Direct Cost
D	21 - Abandon 8-Inch Gate Valve In Closed Position Standard Detail 350	8.00	EACH	64.00	8.00	\$906.04	\$7,248.35
	Chandler Blvd Sta 28+00 To Sta 33+00	1.00	EACH	8.00	8.00	\$722.94	\$722.94
	WL-Abandon Crew (5.00 EACH/DY, 0.20 DY)	1.00	EACH	8.00	8.00	\$722.94	\$722.94
	Chandler Blvd Sta 38+00 To Sta 42+50	2.00	EACH	16.00	8.00	\$722.94	\$1,445.89
	WL-Abandon Crew (5.00 EACH/DY, 0.40 DY)	2.00	EACH	16.00	8.00	\$722.94	\$1,445.89
	Chandler Bulv Sta 42+50 To Sta 47+50	2.00	EACH	16.00	8.00	\$722.94	\$1,445.89
	WL-Abandon Crew (5.00 EACH/DY, 0.40 DY)	2.00	EACH	16.00	8.00	\$722.94	\$1,445.89
	Chandler Blvd Sta 52+50 To Sta 57+50	3.00	EACH	24.00	8.00	\$722.94	\$2,168.83
	WL-Abandon Crew (5.00 EACH/DY, 0.60 DY)	3.00	EACH	24.00	8.00	\$722.94	\$2,168.83
	Ready Mix - Slurry ABC Slurry 1/2 Sack	8.40	YARD			\$122.00	\$1,024.80
	Concrete - Short Load Fee	2.20	EACH			\$200.00	\$440.00
D	22 - Abandon 6-inch Gate Valve In Closed Position MAG Standard Detail 350	14.00	EACH	112.00	8.00	\$882.47	\$12,354.62
	Chandler Blvd Sta 33+00 To Sta 38+00	1.00	EACH	8.00	8.00	\$722.94	\$722.94
	WL-Abandon Crew (5.00 EACH/DY, 0.20 DY)	1.00	EACH	8.00	8.00	\$722.94	\$722.94
	Chandler Blvd Sta 47+50 To Sta 52+50	3.00	EACH	24.00	8.00	\$722.94	\$2,168.83
	WL-Abandon Crew (5.00 EACH/DY, 0.60 DY)	3.00	EACH	24.00	8.00	\$722.94	\$2,168.83
	Chandler Blvd Sta 52+50 To Sta 57+50	3.00	EACH	24.00	8.00	\$722.94	\$2,168.83
	WL-Abandon Crew (5.00 EACH/DY, 0.60 DY)	3.00	EACH	24.00	8.00	\$722.94	\$2,168.83
	Chandler Blvd Sta 57+50 To Sta 61+50	1.00	EACH	8.00	8.00	\$722.94	\$722.94
	WL-Abandon Crew (5.00 EACH/DY, 0.20 DY)	1.00	EACH	8.00	8.00	\$722.94	\$722.94
	Chandler Blvd Sta 66+50 To Sta 71+00	2.00	EACH	16.00	8.00	\$722.94	\$1,445.89
	WL-Abandon Crew (5.00 EACH/DY, 0.40 DY)	2.00	EACH	16.00	8.00	\$722.94	\$1,445.89
	Chandler Blvd Sta 71+00 To Sta 76+00	3.00	EACH	24.00	8.00	\$722.94	\$2,168.83
	WL-Abandon Crew (5.00 EACH/DY, 0.60 DY)	3.00	EACH	24.00	8.00	\$722.94	\$2,168.83
	Chandler Blvd Sta 33+00 To Sta 38+00	1.00	EACH	8.00	8.00	\$722.94	\$722.94
	WL-Abandon Crew (5.00 EACH/DY, 0.20 DY)	1.00	EACH	8.00	8.00	\$722.94	\$722.94
	Ready Mix - Slurry ABC Slurry 1/2 Sack	14.70	YARD			\$122.00	\$1,793.40
	Concrete - Short Load Fee	2.20	EACH			\$200.00	\$440.00
D	23 - Abandon In Place Water Service Line	190.00	LF	22.40	0.12	\$11.69	\$2,220.52
	Chandler Blvd Sta 33+00 To Sta 38+00	104.00	LF	11.89	0.11	\$11.29	\$1,173.79
	WL-Service Repair Appurtenance Crew (350.00 LF/DY, 0.30 DY)	104.00	LF	11.89	0.11	\$10.59	\$1,101.19
	Aggregate - ABC MAG Spec	3.30	TON			\$22.00	\$72.60
	Chandler Blvd Sta 47+50 To Sta 52+50	43.00	LF	4.91	0.11	\$11.71	\$503.70
	WL-Service Repair Appurtenance Crew (350.00 LF/DY, 0.12 DY)	43.00	LF	4.91	0.11	\$10.59	\$455.30
	Aggregate - ABC MAG Spec	2.20	TON			\$22.00	\$48.40
	Chandler Blvd Sta 38+00 To Sta 42+50	49.00	LF	5.60	0.11	\$11.08	\$543.03
	WL-Service Repair Appurtenance Crew (350.00 LF/DY, 0.14 DY)	49.00	LF	5.60	0.11	\$10.59	\$518.83
	Aggregate - ABC MAG Spec	1.10	TON			\$22.00	\$24.20
D	24 - Remove Existing Water Meter & Salvage Meter To City	17.00	EACH	136.00	8.00	\$920.04	\$15,640.75
	Chandler Blvd Sta 33+00 To Sta 38+00	3.00	EACH	24.00	8.00	\$785.04	\$2,355.13
	WL-Water Service Box & Cover Crew (5.00 EACH/DY, 0.60 DY)	3.00	EACH	24.00	8.00	\$722.94	\$2,168.83
	Material Per Bid Item	1.00	LS			\$150.00	\$150.00

Description		Quantity	UM	Man Hours	Man Hours per Unit	Unit Direct Cost	Total Direct Cost
(Item 24 - Remove Existing Water Meter & Salvage Meter To City continued)							
	Aggregate - ABC MAG Spec	1.65	TON			\$22.00	\$36.30
	Chandler Blvd Sta 38+00 To Sta 42+50	2.00	EACH	16.00	8.00	\$785.04	\$1,570.09
	WL-Water Service Box & Cover Crew (5.00 EACH/DY, 0.40 DY)	2.00	EACH	16.00	8.00	\$722.94	\$1,445.89
	Material Per Bid Item	1.00	LS			\$100.00	\$100.00
	Aggregate - ABC MAG Spec	1.10	TON			\$22.00	\$24.20
	Chandler Blvd Sta 47+50 To Sta 52+50	3.00	EACH	24.00	8.00	\$785.04	\$2,355.13
	WL-Water Service Box & Cover Crew (5.00 EACH/DY, 0.60 DY)	3.00	EACH	24.00	8.00	\$722.94	\$2,168.83
	Material Per Bid Item	1.00	LS			\$150.00	\$150.00
	Aggregate - ABC MAG Spec	1.65	TON			\$22.00	\$36.30
	Chandler Blvd Sta 57+50 To Sta 61+50	3.00	EACH	24.00	8.00	\$785.04	\$2,355.13
	WL-Water Service Box & Cover Crew (5.00 EACH/DY, 0.60 DY)	3.00	EACH	24.00	8.00	\$722.94	\$2,168.83
	Material Per Bid Item	1.00	LS			\$150.00	\$150.00
	Aggregate - ABC MAG Spec	1.65	TON			\$22.00	\$36.30
	Chandler Blvd Sta 61+50 To Sta 66+50	3.00	EACH	24.00	8.00	\$785.04	\$2,355.13
	WL-Water Service Box & Cover Crew (5.00 EACH/DY, 0.60 DY)	3.00	EACH	24.00	8.00	\$722.94	\$2,168.83
	Material Per Bid Item	1.00	LS			\$150.00	\$150.00
	Aggregate - ABC MAG Spec	1.65	TON			\$22.00	\$36.30
	Chandler Blvd Sta 66+50 To Sta 71+00	1.00	EACH	8.00	8.00	\$785.04	\$785.04
	WL-Water Service Box & Cover Crew (5.00 EACH/DY, 0.20 DY)	1.00	EACH	8.00	8.00	\$722.94	\$722.94
	Material Per Bid Item	1.00	LS			\$50.00	\$50.00
	Aggregate - ABC MAG Spec	0.55	TON			\$22.00	\$12.10
	Chandler Blvd Sta 28+00 To Sta 33+00	1.00	EACH	8.00	8.00	\$785.04	\$785.04
	WL-Water Service Box & Cover Crew (5.00 EACH/DY, 0.20 DY)	1.00	EACH	8.00	8.00	\$722.94	\$722.94
	Material Per Bid Item	1.00	LS			\$50.00	\$50.00
	Aggregate - ABC MAG Spec	0.55	TON			\$22.00	\$12.10
	Chandler Blvd Sta 57+50 To Sta 62+00	1.00	EACH	8.00	8.00	\$785.04	\$785.04
	WL-Water Service Box & Cover Crew (5.00 EACH/DY, 0.20 DY)	1.00	EACH	8.00	8.00	\$722.94	\$722.94
	Material Per Bid Item	1.00	LS			\$50.00	\$50.00
	Aggregate - ABC MAG Spec	0.55	TON			\$22.00	\$12.10
	Trucking (1.00 DY, 2.13 Trucks, 2.13 EACH/HR)	17.00	EACH			\$135.00	\$2,295.00
	25 - Remove Existing Hydrant Assembly	11.00	EACH	146.67	13.33	\$1,542.51	\$16,967.57
	Chandler Blvd Sta 33+00 To Sta 38+00	1.00	EACH	13.33	13.33	\$1,402.51	\$1,402.51
	WL-Fire Hydrant Relocate Appurtenance Crew (3.00 EACH/DY, 0.33 DY)	1.00	EACH	13.33	13.33	\$1,204.91	\$1,204.91
	Material Per Bid Item	1.00	LS			\$125.00	\$125.00
	Aggregate - ABC MAG Spec	3.30	TON			\$22.00	\$72.60
	Chandler Blvd Sta 47+50 To Sta 52+50	2.00	EACH	26.67	13.33	\$1,527.51	\$3,055.01
	WL-Fire Hydrant Relocate Appurtenance Crew (3.00 EACH/DY, 0.67 DY)	2.00	EACH	26.67	13.33	\$1,204.91	\$2,409.81
	Material Per Bid Item	2.00	LS			\$250.00	\$500.00
	Aggregate - ABC MAG Spec	6.60	TON			\$22.00	\$145.20
	Chandler Blvd Sts 52+50 To Sta 57+50	2.00	EACH	26.67	13.33	\$1,527.51	\$3,055.01

Description		Quantity	UM	Man Hours	Man Hours per Unit	Unit Direct Cost	Total Direct Cost
(Item 25 - Remove Existing Hydrant Assembly continued)							
 WL-Fire Hydrant Relocate Appurtenance Crew (3.00 EACH/DY, 0.67 DY)		2.00	EACH	26.67	13.33	\$1,204.91	\$2,409.81
 Material Per Bid Item		2.00	LS			\$250.00	\$500.00
 Aggregate - ABC MAG Spec		6.60	TON			\$22.00	\$145.20
 Chandler Blvd Sta 57+50 To Sta 61+50		1.00	EACH	13.33	13.33	\$1,402.51	\$1,402.51
 WL-Fire Hydrant Relocate Appurtenance Crew (3.00 EACH/DY, 0.33 DY)		1.00	EACH	13.33	13.33	\$1,204.91	\$1,204.91
 Material Per Bid Item		1.00	LS			\$125.00	\$125.00
 Aggregate - ABC MAG Spec		3.30	TON			\$22.00	\$72.60
 Chandler Blvd Sta 66+50 To Sta 71+00		1.00	EACH	13.33	13.33	\$1,652.51	\$1,652.51
 WL-Fire Hydrant Relocate Appurtenance Crew (3.00 EACH/DY, 0.33 DY)		1.00	EACH	13.33	13.33	\$1,204.91	\$1,204.91
 Material Per Bid Item		1.00	LS			\$125.00	\$125.00
 Aggregate - ABC MAG Spec		3.30	TON			\$22.00	\$72.60
 Chandler Blvd Sta 71+ 00 To Sta 76+00		2.00	EACH	26.67	13.33	\$1,527.51	\$3,055.01
 WL-Fire Hydrant Relocate Appurtenance Crew (3.00 EACH/DY, 0.67 DY)		2.00	EACH	26.67	13.33	\$1,204.91	\$2,409.81
 Material Per Bid Item		2.00	LS			\$250.00	\$500.00
 Aggregate - ABC MAG Spec		6.60	TON			\$22.00	\$145.20
 Chandler Sta 33+00 To Sta 38+00		1.00	EACH	13.33	13.33	\$1,402.51	\$1,402.51
 WL-Fire Hydrant Relocate Appurtenance Crew (3.00 EACH/DY, 0.33 DY)		1.00	EACH	13.33	13.33	\$1,204.91	\$1,204.91
 Material Per Bid Item		1.00	LS			\$125.00	\$125.00
 Aggregate - ABC MAG Spec		3.30	TON			\$22.00	\$72.60
 Chandler Blvd Sta 57+50 To Sta 62+00		1.00	EACH	13.33	13.33	\$1,402.51	\$1,402.51
 WL-Fire Hydrant Relocate Appurtenance Crew (3.00 EACH/DY, 0.33 DY)		1.00	EACH	13.33	13.33	\$1,204.91	\$1,204.91
 Material Per Bid Item		1.00	LS			\$125.00	\$125.00
 Aggregate - ABC MAG Spec		3.30	TON			\$22.00	\$72.60
 Trucking (1.00 DY, 0.50 Trucks, 0.25 EACH/HR)		2.00	EACH			\$270.00	\$540.00
 26 - Remove 12-inch CIP		127.00	LF	81.28	0.64	\$74.53	\$9,465.41
 Remove And Replace 12-Inch CIP		127.00	LF	81.28	0.64	\$72.17	\$9,165.41
 WL- Waterline Crew (100.00 LF/DY, 1.27 DY)		127.00	LF	81.28	0.64	\$66.66	\$8,465.41
 Metal Dump Fee		1.00	LS			\$300.00	\$300.00
 27 - Remove 12-inch ACP		91.00	LF	58.24	0.64	\$88.41	\$8,044.99
 Remove And Replace 12-Inch ACP		91.00	LF	58.24	0.64	\$71.92	\$6,544.99
 WL- Waterline Crew (100.00 LF/DY, 0.91 DY)		91.00	LF	58.24	0.64	\$68.08	\$6,194.99
 Subcontracted-40 Yard Roll Off		1.00	TRIP			\$1,000.00	\$1,000.00
 Subcontracted-Asbestos Dump Fee		1.00	TRIP			\$500.00	\$500.00
 28 - Cut & Plug 6-inch Watermain		6.00	EACH	168.00	28.00	\$3,515.33	\$21,091.98
 Chandler Blvd Sta 47+50 To Sta 52+50		3.00	EACH	84.00	28.00	\$2,793.56	\$8,380.68
 WL- Waterline Crew (2.00 EACH/DY, 1.50 DY)		3.00	EACH	84.00	28.00	\$2,769.36	\$8,308.08
 Aggregate - ABC MAG Spec		3.30	TON			\$22.00	\$72.60
 Chandler Blvd Sta 66+50 To St 76+00		3.00	EACH	84.00	28.00	\$2,793.56	\$8,380.68
 WL- Waterline Crew (2.00 EACH/DY, 1.50 DY)		3.00	EACH	84.00	28.00	\$2,769.36	\$8,308.08
 Aggregate - ABC MAG Spec		3.30	TON			\$22.00	\$72.60
 Material Per Bid Item Caps, Piping, DIP And Long Body		6.00	LS			\$495.15	\$2,970.90

Description		Quantity	UM	Man Hours	Man Hours per Unit	Unit Direct Cost	Total Direct Cost
<i>(Item 28 - Cut & Plug 6-inch Watermain continued)</i>							
	Ready Mix Concrete	31.50	BAG			\$7.68	\$241.92
	Trucking (3.50 DY, 0.30 Trucks, 0.21 EACH/HR)	6.00	EACH			\$186.30	\$1,117.80
D	29 - Cut & Plug 8-inch Watermain	5.00	EACH	140.00	28.00	\$3,528.18	\$17,640.90
	Chandler Blvd Sta 38+00 To Sta 42+50	1.00	EACH	28.00	28.00	\$2,793.56	\$2,793.56
	Aggregate - ABC MAG Spec	1.10	TON			\$22.00	\$24.20
	WL- Waterline Crew (2.00 EACH/DY, 0.50 DY)	1.00	EACH	28.00	28.00	\$2,769.36	\$2,769.36
	Chandler Blvd Sta 42+50 To Sta 47+50	2.00	EACH	56.00	28.00	\$2,793.56	\$5,587.12
	Aggregate - ABC MAG Spec	2.20	TON			\$22.00	\$48.40
	WL- Waterline Crew (2.00 EACH/DY, 1.00 DY)	2.00	EACH	56.00	28.00	\$2,769.36	\$5,538.72
	Chandler Blvd Sta 71+00 To Sta 76+00	2.00	EACH	56.00	28.00	\$2,793.56	\$5,587.12
	Aggregate - ABC MAG Spec	2.20	TON			\$22.00	\$48.40
	WL- Waterline Crew (2.00 EACH/DY, 1.00 DY)	2.00	EACH	56.00	28.00	\$2,769.36	\$5,538.72
	Material Per Bid Item Caps, Piping, DIP And Long Body	5.00	LS			\$433.00	\$2,165.00
	Ready Mix Concrete	26.25	BAG			\$7.68	\$201.60
	Dump Fee - Dirt	5.00	LOAD			\$75.00	\$375.00
	Trucking (4.00 DY, 0.22 Trucks, 0.16 EACH/HR)	5.00	EACH			\$186.30	\$931.50
D	30 - Cut & Plug 12-inch Watermain	11.00	EACH	352.00	32.00	\$5,615.10	\$61,766.11
	Chandler Blvd Sta 28+00 To Sta 33+00	2.00	EACH	64.00	32.00	\$3,429.69	\$6,859.38
	WL- Waterline Crew (2.00 EACH/DY, 1.00 DY)	2.00	EACH	64.00	32.00	\$3,405.49	\$6,810.98
	Aggregate - ABC MAG Spec	2.20	TON			\$22.00	\$48.40
	Chandler Blvd Sta 42+50 To Sta 47+50	2.00	EACH	64.00	32.00	\$3,429.69	\$6,859.38
	WL- Waterline Crew (2.00 EACH/DY, 1.00 DY)	2.00	EACH	64.00	32.00	\$3,405.49	\$6,810.98
	Aggregate - ABC MAG Spec	2.20	TON			\$22.00	\$48.40
	Chandler Blvd Sta 52+50 To Sta 57+50	2.00	EACH	64.00	32.00	\$3,429.69	\$6,859.38
	WL- Waterline Crew (2.00 EACH/DY, 1.00 DY)	2.00	EACH	64.00	32.00	\$3,405.49	\$6,810.98
	Aggregate - ABC MAG Spec	2.20	TON			\$22.00	\$48.40
	Chandler Blvd Sta 57+50 To Sta 61+50	2.00	EACH	64.00	32.00	\$3,429.69	\$6,859.38
	WL- Waterline Crew (2.00 EACH/DY, 1.00 DY)	2.00	EACH	64.00	32.00	\$3,405.49	\$6,810.98
	Aggregate - ABC MAG Spec	2.20	TON			\$22.00	\$48.40
	Chandler Blvd Sta 28+00 To Sta 33+00	2.00	EACH	64.00	32.00	\$3,429.69	\$6,859.38
	WL- Waterline Crew (2.00 EACH/DY, 1.00 DY)	2.00	EACH	64.00	32.00	\$3,405.49	\$6,810.98
	Aggregate - ABC MAG Spec	2.20	TON			\$22.00	\$48.40
	Chandler Blvd Sta 57+50 To Sta 62+00	1.00	EACH	32.00	32.00	\$3,417.59	\$3,417.59
	WL- Waterline Crew (2.00 EACH/DY, 0.50 DY)	1.00	EACH	32.00	32.00	\$3,405.49	\$3,405.49
	Aggregate - ABC MAG Spec	0.55	TON			\$22.00	\$12.10
	Material Per Bid Item Caps, Piping, DIP And Long Body	12.00	LS			\$1,555.50	\$18,666.00
	Trucking (1.00 DY, 3.80 Trucks, 1.38 EACH/HR)	11.00	EACH			\$372.60	\$4,098.60
	Dump Fee - Dirt	11.00	LOAD			\$75.00	\$825.00
	Ready Mix Concrete	57.75	BAG			\$8.00	\$462.00
D	31 - Remove 12-inch Gate Valve Backfill With 1/2 Sack CLSM	3.00	EACH	30.00	10.00	\$1,952.48	\$5,857.44
	Chandler Blvd Sta 28+00 To Sta 33+00	3.00	EACH	30.00	10.00	\$1,952.48	\$5,857.44
	WL-Water Service Box & Cover Crew (4.00 EACH/DY, 0.75 DY)	3.00	EACH	30.00	10.00	\$961.98	\$2,885.94
	Material Per Bid Item	3.00	LS			\$350.00	\$1,050.00

Description		Quantity	UM	Man Hours	Man Hours per Unit	Unit Direct Cost	Total Direct Cost
<i>(Item 31 - Remove 12-inch Gate Valve Backfill With 1/2 Sack CLSM continued)</i>							
	Ready Mix - Slurry ABC Slurry 1/2 Sack	15.75	YARD			\$122.00	\$1,921.50
D	32 - Remove 12-Inch Gate Valve And Cover	7.00	EACH	70.00	10.00	\$1,211.98	\$8,483.86
	WL-Water Service Box & Cover Crew (4.00 EACH/DY, 1.75 DY)	7.00	EACH	70.00	10.00	\$961.98	\$6,733.86
	Material Per Bid Item	5.00	LS			\$350.00	\$1,750.00
D	34 - Remove 6-inch Gate Valve Backfill With 1/2 Sack CLSM	1.00	EACH	10.00	10.00	\$1,774.68	\$1,774.68
D	Chandler Blvd Sta 28+00 To Sta 33+00	1.00	EACH	10.00	10.00	\$1,774.68	\$1,774.68
	WL-Water Service Box & Cover Crew (4.00 EACH/DY, 0.25 DY)	1.00	EACH	10.00	10.00	\$939.18	\$939.18
	Material Per Bid Item	1.00	LS			\$195.00	\$195.00
	Ready Mix - Slurry ABC Slurry 1/2 Sack	5.25	YARD			\$122.00	\$640.50
D	35 - Remove 24-inch SRP Irrigation Pipe	5.00	LF	20.00	4.00	\$482.39	\$2,411.94
D	Waterline Intersection	5.00	LF	20.00	4.00	\$482.39	\$2,411.94
D	Water Main Installation	5.00	LF	20.00	4.00	\$482.39	\$2,411.94
	WL- Waterline Crew (20.00 LF/DY, 0.25 DY)	5.00	LF	20.00	4.00	\$482.39	\$2,411.94
D	36 - Cut & Plug 24-inch Irrigation Pipe	2.00	EACH	16.00	8.00	\$1,109.34	\$2,218.68
D	Water Main Installation	2.00	EACH	16.00	8.00	\$859.34	\$1,718.68
	WL- Waterline Crew (4.00 EACH/DY, 0.50 DY)	2.00	EACH	16.00	8.00	\$859.34	\$1,718.68
	Miscellaneous Pipe Plug Materials	1.00	LS			\$500.00	\$500.00
D	37 - 12-Inch Intersection Waterline Work	879.00	LF	3,969.68	4.52	\$870.00	\$764,728.81
D	Waterline Intersection	879.00	LF	3,729.68	4.24	\$838.31	\$736,877.45
D	Vertical Realignment	4.00	EACH	864.00	216.00	\$27,130.56	\$108,522.24
	Vertical Realignment (0.38 EACH/DY, 8.00 DY)	3.00	EACH	576.00	192.00	\$23,843.41	\$71,530.24
	NW Corner Vertical Realignment (0.25 EACH/DY, 4.00 DY)	1.00	EACH	288.00	288.00	\$36,992.00	\$36,992.00
D	Water Main Installation	879.00	LF	2,705.68	3.08	\$463.05	\$407,025.06
	WL- Waterline Crew (38.12 LF/DY, 17.00 DY)	648.00	LF	1,224.00	1.89	\$238.58	\$154,601.76
	NW Corner Installation (38.00 LF/DY, 6.08 DY)	231.00	LF	437.68	1.89	\$243.37	\$56,218.11
	Ready Mix - Slurry ABC Slurry 1/2 Sack	506.10	YARD			\$122.00	\$61,744.20
	Material Handling (Pipe, AB, Haul Off) (21.44 LF/DY, 41.00 DY)	879.00	LF	492.00	0.56	\$77.61	\$68,217.44
D	Utility Conflicts	36.00	EACH	480.00	13.33	\$1,649.56	\$59,384.16
	Existing Utility Conflicts (6.00 EACH/DY, 6.00 DY)	36.00	EACH	480.00	13.33	\$1,649.56	\$59,384.16
	WL-Gate Valve 12in Appurtenance Crew (4.00 EACH/DY, 0.50 DY)	2.00	EACH	36.00	18.00	\$2,111.20	\$4,222.39
	Valve Adjustments (4.00 EACH/DY, 1.50 DY)	6.00	EACH	36.00	6.00	\$439.50	\$2,637.00
D	Soft Dig Support	879.00	LF	160.00	0.18	\$25.28	\$22,220.80
	GC-Combo Hydro Truck Crew (87.90 LF/DY, 10.00 DY)	879.00	LF	160.00	0.18	\$25.28	\$22,220.80
	Material Per Bid Item Pipe And Fittings	1.00	LS			\$136,401.85	\$136,401.85
	Trucking (5.50 DY, 9.99 Trucks, 19.98 LF/HR)	879.00	LF			\$67.50	\$59,332.50
	Dump Fee - Dirt	45.00	LOAD			\$75.00	\$3,375.00
D	GC-Chlorine & Pressure Test	6.00	DY	240.00	40.00	\$4,641.89	\$27,851.36
	GC-Chlorine & Pressure Test Crew (1.00 DY/DY, 6.00 DY)	6.00	DY	240.00	40.00	\$4,058.56	\$24,351.36
S	Subcontracted-Chlorine & Pressure Test	1.00	LS			\$3,500.00	\$3,500.00

Description		Quantity	UM	Man Hours	Man Hours per Unit	Unit Direct Cost	Total Direct Cost
D	38 - 12-Inch Class 350 DIP Watermain W/Polywrap, Valves, Fittings, Vertical/Horizontal Alignment's, & Gate Valves Misc.	7,375.00	LF	0.00	0.00	\$74.39	\$548,596.40
	Material Per Bid Item	1.00	LS			\$527,966.28	\$527,966.28
	Vertical Realignment	1.00	LS			\$20,630.12	\$20,630.12
D	39 - 8-inch Class 350 DIP Watermain With Polywrap, Fittings, And Valves	236.00	LF	551.43	2.34	\$540.32	\$127,516.66
	WL- Waterline Crew (49.78 LF/DY, 4.74 DY)	236.00	LF	303.43	1.29	\$156.17	\$36,856.33
	WL-Gate Valve 8in Appurtenance Crew (4.00 EACH/DY, 1.00 DY)	4.00	EACH	64.00	16.00	\$1,943.46	\$7,773.84
	Vertical Realignment (1.00 EACH/DY, 2.50 DY)	2.50	EACH	160.00	64.00	\$7,773.84	\$19,434.60
	Material Per Bid Item	1.00	LS			\$39,453.00	\$39,453.00
	Aggregate - ABC MAG Spec	180.40	TON			\$22.00	\$3,968.80
	Ready Mix - Slurry ABC Slurry 1/2 Sack	7.88	YARD			\$122.00	\$960.75
	Cement - Concrete Mix 60#	8.00	BAG			\$8.00	\$64.00
	Vertical Realignment	1.00	LS			\$7,825.28	\$7,825.28
	Trucking (5.00 DY, 0.63 Trucks, 5.90 LF/HR)	236.00	LF			\$14.33	\$3,382.06
	Dump Fee - Dirt	10.00	LOAD			\$75.00	\$750.00
	RH-Manhole Adjust Crew (4.00 EACH/DY, 1.00 DY)	4.00	EACH	24.00	6.00	\$439.50	\$1,758.00
D	40 - 6-Inch Class 350 DIP Watermain W/Polywrap, Fittings, And Valves	321.00	LF	1,121.40	3.49	\$642.95	\$206,387.22
	WL- Waterline Crew (36.25 LF/DY, 8.86 DY)	321.00	LF	566.73	1.77	\$210.63	\$67,613.14
	WL-Gate Valve 6in Appurtenance Crew (6.00 EACH/DY, 2.67 DY)	16.00	EACH	170.67	10.67	\$1,275.92	\$20,414.72
	Vertical Realignment (1.00 EACH/DY, 4.50 DY)	4.50	EACH	288.00	64.00	\$7,455.44	\$33,549.48
	Material Per Bid Item	1.00	LS			\$56,958.31	\$56,958.31
	Aggregate - ABC MAG Spec	227.70	TON			\$22.00	\$5,009.40
	Ready Mix - Slurry ABC Slurry 1/2 Sack	18.90	YARD			\$122.00	\$2,305.80
	Cement - Concrete Mix 60#	35.00	BAG			\$8.00	\$280.00
	Trucking (4.00 DY, 1.06 Trucks, 10.03 LF/HR)	321.00	LF			\$14.33	\$4,600.18
	Dump Fee - Dirt	4.00	LOAD			\$75.00	\$300.00
	Vertical Realignment	1.00	LS			\$4,364.20	\$4,364.20
	RH-Manhole Adjust Crew (4.00 EACH/DY, 4.00 DY)	16.00	EACH	96.00	6.00	\$439.50	\$7,032.00
D	41 - 4-inch Class 350 DIP Watermain W/PolyWrap	44.00	LF	100.00	2.27	\$441.02	\$19,404.76
	WL- Waterline Crew (44.00 LF/DY, 1.00 DY)	44.00	LF	64.00	1.45	\$155.67	\$6,849.28
	WL-Gate Valve 4in Appurtenance Crew (4.00 EACH/DY, 0.50 DY)	2.00	EACH	36.00	18.00	\$1,730.08	\$3,460.16
	Material Per Bid Item	1.00	LS			\$7,101.00	\$7,101.00
	Aggregate - ABC MAG Spec	22.00	TON			\$22.00	\$484.00
	Trucking (1.00 DY, 0.52 Trucks, 5.50 LF/HR)	44.00	LF			\$12.85	\$565.32
	Dump Fee - Dirt	1.00	LOAD			\$75.00	\$75.00
D	42 - Install 12-inch Perma Seal Valve	3.00	EACH	348.00	116.00	\$42,571.04	\$127,713.13
	GC-Combo Hydro Truck Crew (1.00 EACH/DY, 3.00 DY)	3.00	EACH	60.00	20.00	\$2,530.36	\$7,591.08
	WL- Waterline Crew (0.75 EACH/DY, 4.00 DY)	3.00	EACH	288.00	96.00	\$9,670.83	\$29,012.48
	Material Per Bid Item	1.00	LS			\$926.00	\$926.00
	Subcontracted-Mueller Valve Sub	3.00	EACH			\$29,016.19	\$87,048.57
	Trucking (1.00 DY, 0.75 Trucks, 0.38 EACH/HR)	3.00	EACH			\$270.00	\$810.00

Description		Quantity	UM	Man Hours	Man Hours per Unit	Unit Direct Cost	Total Direct Cost
<i>(Item 42 - Install 12-inch Perma Seal Valve continued)</i>							
	Dump Fee - Dirt	3.00	LOAD			\$75.00	\$225.00
D	43 - Install 12-inch Inserta Valve Romac Industries Or Approved Equivalent	3.00	EACH	380.00	126.67	\$30,661.86	\$91,985.57
	WL- Waterline Crew (0.75 EACH/DY, 4.00 DY)	3.00	EACH	320.00	106.67	\$11,508.80	\$34,526.40
	GC-Combo Hydro Truck Crew (1.00 EACH/DY, 3.00 DY)	3.00	EACH	60.00	20.00	\$2,465.79	\$7,397.37
	Material Per Bid Item	1.00	LS			\$926.00	\$926.00
	Subcontracted-Inserta Valve Sub	3.00	EACH			\$13,950.00	\$41,850.00
	Trucking (1.00 DY, 1.04 Trucks, 0.38 EACH/HR)	3.00	EACH			\$372.60	\$1,117.80
	Dump Fee - Dirt	3.00	LOAD			\$75.00	\$225.00
	Ready Mix - Slurry ABC Slurry 1/2 Sack	31.50	YARD			\$122.00	\$3,843.00
D	44 - 12X12 Cut In Tee	1.00	EACH	148.00	148.00	\$19,116.87	\$19,116.87
	WL- Waterline Crew (0.50 EACH/DY, 2.00 DY)	1.00	EACH	128.00	128.00	\$13,975.36	\$13,975.36
	Material Per Bid Item	1.00	LS			\$1,374.95	\$1,374.95
	Aggregate - ABC MAG Spec	11.00	TON			\$22.00	\$242.00
	GC-Combo Hydro Truck Crew (1.00 EACH/DY, 1.00 DY)	1.00	EACH	20.00	20.00	\$2,474.56	\$2,474.56
D	45 - Install 16-inch Gate Valve	1.00	EACH	32.00	32.00	\$16,117.21	\$16,117.21
	WL- Waterline Crew (2.00 EACH/DY, 0.50 DY)	1.00	EACH	32.00	32.00	\$3,476.49	\$3,476.49
	Material Per Bid Item	1.00	LS			\$11,140.72	\$11,140.72
D	46 - Install 16 X 8 Tee	1.00	EACH	148.00	148.00	\$31,547.02	\$31,547.02
	WL- Waterline Crew (0.50 EACH/DY, 2.00 DY)	1.00	EACH	128.00	128.00	\$13,615.36	\$13,615.36
	Material Per Bid Item	1.00	LS			\$9,855.10	\$9,855.10
	Ready Mix - Slurry ABC Slurry 1/2 Sack	21.00	YARD			\$122.00	\$2,562.00
	Trucking (1.00 DY, 0.50 Trucks, 0.13 EACH/HR)	1.00	EACH			\$540.00	\$540.00
	GC-Combo Hydro Truck Crew (1.00 EACH/DY, 1.00 DY)	1.00	EACH	20.00	20.00	\$2,474.56	\$2,474.56
D	47 - Note 29 Thrust Block Installation @ Intersection	4.00	EACH	160.00	40.00	\$4,673.47	\$18,693.89
	Thrust Blocks (5'6"x2'4"x4'0")	4.00	EACH	160.00	40.00	\$4,673.47	\$18,693.89
	CP-Concrete Replace Crew (1.00 EACH/DY, 4.00 DY)	4.00	EACH	160.00	40.00	\$3,838.16	\$15,352.64
	Material Per Bid Item	4.00	LS			\$265.00	\$1,060.00
	Ready Mix Concrete - MAG B 2500	10.50	CY			\$172.50	\$1,811.25
	Form, Cure, Stakes	1.00	LS			\$250.00	\$250.00
	Rebar - # 4 (1/2in) 10ft	4.40	EACH			\$50.00	\$220.00
D	48 - Thrust Block On Chandler Blvd	8.00	EACH	160.00	20.00	\$2,089.04	\$16,712.28
	Thrust Blocks (3'0"x1'8"x2'0")	8.00	EACH	160.00	20.00	\$1,889.04	\$15,112.28
	Ready Mix Concrete - MAG B 2500	8.40	CY			\$172.50	\$1,449.00
	Rebar - # 4 (1/2in) 10ft	8.80	EACH			\$50.00	\$440.00
	CP-Concrete Replace Crew (2.00 EACH/DY, 4.00 DY)	8.00	EACH	160.00	20.00	\$1,595.68	\$12,765.44
	Material Per Bid Item	8.00	LS			\$57.23	\$457.84
	Concrete - Short Load Fee	8.00	EACH			\$200.00	\$1,600.00
D	49 - Concrete Encasement	39.00	LF	120.00	3.08	\$301.63	\$11,763.52
	Concrete Encasement	39.00	LF	120.00	3.08	\$301.63	\$11,763.52
	Encasement W1 35' X	39.00	LF	120.00	3.08	\$301.63	\$11,763.52

Description		Quantity	UM	Man Hours	Man Hours per Unit	Unit Direct Cost	Total Direct Cost
(Item 49 - Concrete Encasement continued)							
	CP-Concrete Replace Crew (0.33 EACH/DY, 3.00 DY)	1.00	EACH	120.00	120.00	\$9,744.96	\$9,744.96
	Material Per Bid Item	1.00	LS			\$650.00	\$650.00
	Ready Mix Concrete - MAG C 2000	7.35	CY			\$163.75	\$1,203.56
	Rebar - # 4 (1/2in) 10ft	1.10	EACH			\$150.00	\$165.00
D	50 - Connect To Existing 12-inch Watermain ACP To DIP Transition Coupling	5.00	EACH	370.00	74.00	\$11,022.36	\$55,111.78
	WL- Waterline Crew (1.00 EACH/DY, 5.00 DY)	5.00	EACH	320.00	64.00	\$6,945.20	\$34,726.00
	GC-Combo Hydro Truck Crew (2.00 EACH/DY, 2.50 DY)	5.00	EACH	50.00	10.00	\$1,232.90	\$6,164.48
	Material Per Bid Item	5.00	LS			\$1,747.66	\$8,738.30
	Aggregate - ABC MAG Spec	27.50	TON			\$22.00	\$605.00
	Trucking (3.00 DY, 0.58 Trucks, 0.21 EACH/HR)	5.00	EACH			\$372.60	\$1,863.00
	Dump Fee - Dirt	5.00	LOAD			\$75.00	\$375.00
	Cement - Concrete Mix 60#	30.00	BAG			\$8.00	\$240.00
D	51 - Connect To Existing 12-inch Watermain	6.00	EACH	379.20	63.20	\$10,328.31	\$61,969.83
	WL- Waterline Crew (1.25 EACH/DY, 4.80 DY)	6.00	EACH	307.20	51.20	\$5,556.16	\$33,336.96
	GC-Combo Hydro Truck Crew (2.00 EACH/DY, 3.00 DY)	6.00	EACH	72.00	12.00	\$1,369.40	\$8,216.40
	Material Per Bid Item	6.00	LS			\$2,217.48	\$13,304.87
	Aggregate - ABC MAG Spec	33.00	TON			\$22.00	\$726.00
	Trucking (3.00 DY, 0.69 Trucks, 0.25 EACH/HR)	6.00	EACH			\$372.60	\$2,235.60
	Dump Fee - Dirt [6]	0.00	LOAD			\$75.00	\$0.00
D	53 - Connect To Existing 8-inch PVC Watermain To DIP Transition Coupling	2.00	EACH	84.00	42.00	\$7,584.28	\$15,168.56
	WL- Waterline Crew (2.00 EACH/DY, 1.00 DY)	2.00	EACH	64.00	32.00	\$3,466.01	\$6,932.02
	GC-Combo Hydro Truck Crew (2.00 EACH/DY, 1.00 DY)	2.00	EACH	20.00	10.00	\$1,237.28	\$2,474.56
	Material Per Bid Item	2.00	LS			\$1,547.89	\$3,095.78
	Aggregate - ABC MAG Spec	5.50	TON			\$22.00	\$121.00
	Trucking (1.00 DY, 0.69 Trucks, 0.25 EACH/HR)	2.00	EACH			\$372.60	\$745.20
	Dump Fee - Dirt	2.00	LOAD			\$75.00	\$150.00
D	54 - Connect To Existing 6" ACP Watermain ACP To DIP Coupling	4.00	EACH	210.67	52.67	\$6,720.78	\$26,883.13
	WL- Waterline Crew (1.50 EACH/DY, 2.67 DY)	4.00	EACH	170.67	42.67	\$4,526.19	\$18,104.75
	GC-Combo Hydro Truck Crew (2.00 EACH/DY, 2.00 DY)	4.00	EACH	40.00	10.00	\$1,232.90	\$4,931.58
	Material Per Bid Item	4.00	LS			\$54.00	\$216.00
	Aggregate - ABC MAG Spec	13.20	TON			\$22.00	\$290.40
	Trucking (1.00 DY, 1.38 Trucks, 0.50 EACH/HR)	4.00	EACH			\$372.60	\$1,490.40
	Dump Fee - Dirt	4.00	LOAD			\$75.00	\$300.00
	Cement - Concrete Mix 60#	30.00	BAG			\$8.00	\$240.00
D	55 - Connect To Existing 6-inch Watermain Not ACP	1.00	EACH	42.00	42.00	\$6,194.74	\$6,194.74
	WL- Waterline Crew (2.00 EACH/DY, 0.50 DY)	1.00	EACH	32.00	32.00	\$3,394.64	\$3,394.64
	GC-Combo Hydro Truck Crew (2.00 EACH/DY, 0.50 DY)	1.00	EACH	10.00	10.00	\$1,232.90	\$1,232.90
	Material Per Bid Item	1.00	LS			\$777.00	\$777.00

Description		Quantity	UM	Man Hours	Man Hours per Unit	Unit Direct Cost	Total Direct Cost
(Item 55 - Connect To Existing 6-inch Watermain Not ACP continued)							
	Aggregate - ABC MAG Spec	3.30	TON			\$22.00	\$72.60
	Trucking (1.00 DY, 0.35 Trucks, 0.13 EACH/HR)	1.00	EACH			\$372.60	\$372.60
	Dump Fee - Dirt	1.00	LOAD			\$75.00	\$75.00
D	56 - Connect To Existing 4" DIP Main	2.00	EACH	84.00	42.00	\$5,659.95	\$11,319.89
	WL- Waterline Crew (2.00 EACH/DY, 1.00 DY)	2.00	EACH	64.00	32.00	\$3,394.64	\$6,789.28
	GC-Combo Hydro Truck Crew (2.00 EACH/DY, 1.00 DY)	2.00	EACH	20.00	10.00	\$1,232.90	\$2,465.79
	Material Per Bid Item	1.00	LS			\$734.42	\$734.42
	Aggregate - ABC MAG Spec	6.60	TON			\$22.00	\$145.20
	Trucking (1.00 DY, 0.69 Trucks, 0.25 EACH/HR)	2.00	EACH			\$372.60	\$745.20
	Dump Fee - Dirt	2.00	LOAD			\$75.00	\$150.00
D	57 - Fire Hydrant Assembly COC Standard Detail C-303 & C-305	11.00	EACH	572.00	52.00	\$8,308.59	\$91,394.48
	WL- Fire Hydrant Domestic Water Wet Barrel Crew (1.00 EACH/DY, 11.00 DY)	11.00	EACH	572.00	52.00	\$4,745.28	\$52,198.08
	Material Per Bid Item	1.00	LS			\$38,664.00	\$38,664.00
	Aggregate - ABC MAG Spec	24.20	TON			\$22.00	\$532.40
D	58 - 4-inch Bollard Type 1 COC Standard Detail C-105 & Mag Standard Detail 140	4.00	EACH	6.00	1.50	\$543.85	\$2,175.40
	WL-Bollard Crew (16.00 EACH/DY, 0.25 DY)	4.00	EACH	6.00	1.50	\$193.85	\$775.40
	Subcontracted-Bollards	4.00	EACH			\$350.00	\$1,400.00
D	59 - 1" Type K Soft Copper Service Line COC Standard Detail C-301	115.00	LF	118.25	1.03	\$162.93	\$18,736.82
	WL-Water Service 1in W/ Box & Cover Crew (50.57 LF/DY, 2.27 DY)	115.00	LF	118.25	1.03	\$93.83	\$10,790.82
	Material Per Bid Item	1.00	LS			\$6,613.00	\$6,613.00
	Aggregate - ABC MAG Spec	27.50	TON			\$22.00	\$605.00
D	60 - 1.5" Copper Service Line COC Standard Detail C-301	237.00	LF	137.70	0.58	\$163.83	\$38,828.15
	WL-Water Service 1.5in W/ Box & Cover Crew (89.50 LF/DY, 2.65 DY)	237.00	LF	137.70	0.58	\$51.71	\$12,254.83
	Material Per Bid Item	1.00	LS			\$24,635.32	\$24,635.32
	Aggregate - ABC MAG Spec	55.00	TON			\$22.00	\$1,210.00
D	61 - 2" Rigid Copper Service Line COC Standard Detail C-301	81.00	LF	57.70	0.71	\$201.30	\$16,305.44
	WL-Water Service 2in W/ Box & Cover Crew (73.00 LF/DY, 1.11 DY)	81.00	LF	57.70	0.71	\$63.40	\$5,135.04
	Material Per Bid Item	1.00	LS			\$10,395.00	\$10,395.00
	Aggregate - ABC MAG Spec	18.70	TON			\$22.00	\$411.40
D	62 - Locate & Connect Existing Services	17.00	EACH	226.67	13.33	\$1,334.03	\$22,678.45
	WL- Waterline Crew (3.00 EACH/DY, 5.67 DY)	17.00	EACH	226.67	13.33	\$1,234.83	\$20,992.05
	Material Per Bid Item	17.00	LS			\$75.00	\$1,275.00
	Aggregate - ABC MAG Spec	18.70	TON			\$22.00	\$411.40
D	63 - 1" Backflow Preventer & Enclosure COC Standard Detail C-311	3.00	EACH	276.00	92.00	\$8,911.03	\$26,733.08
	Backflow Preventer Small (1.00 EACH/DY, 3.00 DY)	3.00	EACH	156.00	52.00	\$4,627.88	\$13,883.64
	CP-Concrete Sidewalk Crew (1.00 EACH/DY, 3.00 DY)	3.00	EACH	120.00	40.00	\$2,459.04	\$7,377.12

Description		Quantity	UM	Man Hours	Man Hours per Unit	Unit Direct Cost	Total Direct Cost
<i>(Item 63 - 1" Backflow Preventer & Enclosure COC Standard Detail C-311 continued)</i>							
	Material Per Bid Item	3.00	LS			\$1,170.38	\$3,511.14
	Aggregate - ABC MAG Spec	9.90	TON			\$22.00	\$217.80
	Material Per Bid Item Concrete	1.00	LS			\$150.00	\$150.00
	Ready Mix Concrete - MAG B 2500	3.15	CY			\$172.50	\$543.38
	Concrete - Short Load Fee	3.00	EACH			\$200.00	\$600.00
	Subcontracted-Certification	3.00	DY			\$150.00	\$450.00
	64 - 1.5" Backflow Preventer & Enclosure COC Standard Detail C-311	3.00	EACH	276.00	92.00	\$9,376.65	\$28,129.94
	Backflow Preventer Small (1.00 EACH/DY, 3.00 DY)	3.00	EACH	156.00	52.00	\$4,627.88	\$13,883.64
	CP-Concrete Sidewalk Crew (1.00 EACH/DY, 3.00 DY)	3.00	EACH	120.00	40.00	\$2,459.04	\$7,377.12
	Material Per Bid Item	3.00	LS			\$1,636.00	\$4,908.00
	Aggregate - ABC MAG Spec	9.90	TON			\$22.00	\$217.80
	Subcontracted-Certification	3.00	DY			\$150.00	\$450.00
	Material Per Bid Item Concrete	1.00	LS			\$150.00	\$150.00
	Ready Mix Concrete - MAG B 2500	3.15	CY			\$172.50	\$543.38
	Concrete - Short Load Fee	3.00	EACH			\$200.00	\$600.00
	65 - 2" Backflow Preventer & Enclosure COC Standard Detail C-302	1.00	EACH	109.33	109.33	\$11,720.27	\$11,720.27
	Backflow Preventer Small (0.75 EACH/DY, 1.33 DY)	1.00	EACH	69.33	69.33	\$6,170.51	\$6,170.51
	Material Per Bid Item	1.00	LS			\$2,387.00	\$2,387.00
	Aggregate - ABC MAG Spec	3.30	TON			\$22.00	\$72.60
	Subcontracted-Certification	1.00	DY			\$150.00	\$150.00
	Material Per Bid Item Concrete	1.00	LS			\$100.00	\$100.00
	Ready Mix Concrete - MAG B 2500	1.05	CY			\$172.50	\$181.13
	Concrete - Short Load Fee	1.00	EACH			\$200.00	\$200.00
	CP-Concrete Sidewalk Crew (1.00 EACH/DY, 1.00 DY)	1.00	EACH	40.00	40.00	\$2,459.04	\$2,459.04
	66 - 4-inch Backflow Preventer COC Standard Detail C-315	1.00	EACH	154.67	154.67	\$21,684.33	\$21,684.33
	WL-Double Check Backflow Preventer 4in Appurtenance Crew (0.75 EACH/DY, 1.33 DY)	1.00	EACH	74.67	74.67	\$8,554.56	\$8,554.56
	CP-Concrete Sidewalk Crew (0.50 EACH/DY, 2.00 DY)	1.00	EACH	80.00	80.00	\$4,918.08	\$4,918.08
	Material Per Bid Item	1.00	LS			\$6,797.31	\$6,797.31
	Aggregate - ABC MAG Spec	5.50	TON			\$22.00	\$121.00
	Subcontracted-Certification	1.00	DY			\$350.00	\$350.00
	Material Per Bid Item Concrete	1.00	LS			\$200.00	\$200.00
	Ready Mix Concrete - MAG B 2500	3.15	CY			\$172.50	\$543.38
	Concrete - Short Load Fee	1.00	EACH			\$200.00	\$200.00
	67 - 6" Backflow Preventer And Enclosure COC Standard Detail C-315	2.00	EACH	384.00	192.00	\$31,731.87	\$63,463.74
	WL-Double Check Backflow Preventer 6in Appurtenance Crew (0.50 EACH/DY, 4.00 DY)	2.00	EACH	224.00	112.00	\$12,831.84	\$25,663.68
	CP-Concrete Sidewalk Crew (0.50 EACH/DY, 4.00 DY)	2.00	EACH	160.00	80.00	\$4,918.08	\$9,836.16
	Material Per Bid Item	1.00	LS			\$25,024.50	\$25,024.50
	Aggregate - ABC MAG Spec	13.20	TON			\$22.00	\$290.40
	Subcontracted-Certification	2.00	DY			\$350.00	\$700.00

Description		Quantity	UM	Man Hours	Man Hours per Unit	Unit Direct Cost	Total Direct Cost
(Item 67 - 6" Backflow Preventer And Enclosure COC Standard Detail C-315 continued)							
	Material Per Bid Item Concrete	2.00	LS			\$250.00	\$500.00
	Ready Mix Concrete - MAG B 2500	8.40	CY			\$172.50	\$1,449.00
D	68 - Water Meter Box	17.00	EACH	108.80	6.40	\$597.47	\$10,157.02
	WL-Water Service 1in W/ Box & Cover Crew (5.00 EACH/DY, 3.40 DY)	17.00	EACH	108.80	6.40	\$597.47	\$10,157.02
D	69 - 2" Combo Air Relief Valve	1.00	EACH	92.00	92.00	\$14,113.35	\$14,113.35
	ARV Installation (1.00 EACH/DY, 1.00 DY)	1.00	EACH	52.00	52.00	\$4,627.88	\$4,627.88
	CP-Concrete Sidewalk Crew (1.00 EACH/DY, 1.00 DY)	1.00	EACH	40.00	40.00	\$2,459.04	\$2,459.04
	Material Per Bid Item	1.00	LS			\$6,280.70	\$6,280.70
	Aggregate - ABC MAG Spec	14.30	TON			\$22.00	\$314.60
	Material Per Bid Item Concrete	1.00	LS			\$50.00	\$50.00
	Ready Mix Concrete - MAG B 2500	1.05	CY			\$172.50	\$181.13
	Concrete - Short Load Fee	1.00	EACH			\$200.00	\$200.00
D	70 - Temporary Waterline Installation And Removal	2.00	EACH	304.00	152.00	\$20,136.18	\$40,272.36
	Temp Water Installation Crew (0.50 LF/DY, 4.00 DY)	2.00	LF	160.00	80.00	\$8,865.28	\$17,730.56
	Material Per Bid Item	1.00	LS			\$2,617.00	\$2,617.00
	GC-Chlorine & Pressure Test Crew (1.00 EACH/DY, 2.00 DY)	2.00	EACH	64.00	32.00	\$1,987.76	\$3,975.52
	Temp Water Installation Removal (1.00 EACH/DY, 2.00 DY)	2.00	EACH	80.00	40.00	\$4,574.64	\$9,149.28
D	71 - SRP Engineered Supports	2.00	EACH	112.00	56.00	\$6,344.52	\$12,689.04
	Material Per Bid Item	1.00	LS			\$1,250.00	\$1,250.00
	NW Corner Installation (1.00 EACH/DY, 2.00 DY)	2.00	EACH	112.00	56.00	\$5,719.52	\$11,439.04
D	72 - General Conditions	7.00	MO	4,180.00	597.14	\$95,746.86	\$670,228.03
	GC-Pothole	10.00	EACH	0.00	0.00	\$833.00	\$8,330.00
	Subcontracted-Utility Potholing	10.00	EACH			\$833.00	\$8,330.00
	Trash Dumpsters / Dump Fees	7.00	MO			\$400.00	\$2,800.00
	Connex Boxes	7.00	MO			\$700.00	\$4,900.00
	Water Meter	2.00	EACH			\$2,250.00	\$4,500.00
	Water & Ice	30.00	WK			\$125.00	\$3,750.00
	Office & Yard Rental	7.00	MO			\$7,000.00	\$49,000.00
	Project Utilities	7.00	MO			\$500.00	\$3,500.00
	Project Sanitation	7.00	MO			\$700.00	\$4,900.00
	Temporary Fencing	7.00	MO			\$350.00	\$2,450.00
	Senior Project Manager	7.00	MO	644.00	92.00	\$12,961.88	\$90,733.16
	Senior Project Manager (11.50 DY/MO, 80.50 DY)	7.00	MO	644.00	92.00	\$12,961.88	\$90,733.16
	Assistant Project Manager	7.00	MO	1,209.60	172.80	\$21,876.48	\$153,135.36
	Assistant Project Manager Crew (21.60 DY/MO, 151.20 DY)	7.00	MO	1,209.60	172.80	\$21,876.48	\$153,135.36
	General / Project Superintendent	7.00	MO	604.80	86.40	\$11,485.15	\$80,396.06
	Superintendent (10.80 DY/MO, 75.60 DY)	7.00	MO	604.80	86.40	\$11,485.15	\$80,396.06
	Field Superintendent	7.00	MO	1,209.60	172.80	\$21,371.90	\$149,603.33
	Field Superintendent (21.60 DY/MO, 151.20 DY)	7.00	MO	1,209.60	172.80	\$21,371.90	\$149,603.33
	Field Engineer	3.00	MO	512.00	170.67	\$13,015.04	\$39,045.12

Description	Quantity	UM	Man Hours	Man Hours per Unit	Unit Direct Cost	Total Direct Cost
<i>(Item 72 - General Conditions continued)</i>						
 Field Communication	7.00	MO			\$300.00	\$2,100.00
 First Aid	1.00	EACH			\$1,000.00	\$1,000.00
 ST&S, Safety Supplies, Training, Small Tools	21,495.00	MH			\$3.00	\$64,485.00
 Job Office Expense	7.00	MO			\$400.00	\$2,800.00
 Drone Photography	7.00	MO			\$400.00	\$2,800.00

Indirect Items						
Description	Quantity	UM	Man Hours	Man Hours per Unit	Unit Indirect Cost	Total Indirect Cost
 9.0 - Do Not Delete	0.00	LS			\$0.00	\$0.00

Direct Cost Totals

	Amount	Percent of Direct Cost
Labor:	\$1,502,973.85	31.11%
Equipment Owned:	\$1,207,103.30	24.99%
Equipment Rented:	\$96,983.38	2.01%
Materials Owned:	\$0.00	0.00%
Materials Purchased:	\$1,301,807.53	26.95%
Subcontracted:	\$490,670.07	10.16%
Trucking Owned:	\$0.00	0.00%
Trucking Hired:	\$94,158.50	1.95%
Miscellaneous:	\$62,000.00	1.28%
Plug:	\$74,835.00	1.55%
Direct Cost:	<u>\$4,830,531.62</u>	

Pay Item Summary

	Amount	Percent of Bid Price
Total Direct Cost:	\$4,830,531.62	100.00%
Total DC Adds/Cuts:	\$0.00	0.00%
Total Indirect Cost:	\$0.00	0.00%
Total Bond:	\$0.00	0.00%
Total Overall Cost:	\$4,830,531.62	100.00%
Total Overhead:	\$0.00	0.00%
Total Profit:	(\$82.96)	-0.00%
Total Margin:	(\$82.96)	-0.00%
Total Bid Price:	<u>\$4,830,448.66</u>	



Proposal

Corporate: 11011 N. 23rd Ave. Phoenix, AZ 85029

Office: 623-582-1170|Fax: 623-582-3761

Tucson: 1904 W. Prince Rd. Tucson, AZ 85705

Office: 520-207-8228|Fax: 520-305-3323

AZ Licenses: ROC-089744 A General Contracting

ROC-111282 B-04 General Engineering

Equipment and Crew Composition

Project Name:	Chandler Dobson Water Install Project	Customer:	City of Chandler
Job Number:	W22351	Bid Number:	W22351
Bid As:	B&F Contracting, Inc.	Billing Address:	Mail Stop 407, P.O. Box 4008 Chandler, AZ 85244 USA
Estimator:	Joshua Onstott	Phone:	4807823310
Project Address:	Chandler Blvd/ Dobson Rd, Chandler, AZ	Contact:	Melanie Sikes
Completion Date:	8/1/2024		

Pay Items

Description	Job Cost ID	Task JC ID	Quantity	UM
D 1 - Mobilization			1.00	LS
Asphalt Mobilization (P1 Paving & Construction)			16.00	EACH
B&F Onsite Mobilization	10020010		50.00	TRIP
GC-Mobilization Crew (1.50 TRIP/DY, 33.33 DY, 8.00 HR/DY)			50.00	TRIP
Transport Truck			266.67	HR
Transport Trailer - 48 FT			266.67	HR
Truck Driver			266.67	HR
Grade And Plate Yard And Removal	10045030		2.00	DY
GC-Site/Yard Setup & Takedown Crew (1.00 DY/DY, 2.00 DY, 8.00 HR/DY)			2.00	DY
Truck - Crew			16.00	HR
Water Truck - 2000 Gal			16.00	HR
Foreman			16.00	HR
Operator: Small Equipment			16.00	HR
Pipelayer			16.00	HR
Laborer			16.00	HR
Water Truck Driver			16.00	HR
Aggregate - ABC Non Spec	100AA00004		825.00	TON
Fence Setup And Screen Install (0.33 LS/DY, 3.00 DY, 8.00 HR/DY)			1.00	LS
Truck - Crew			24.00	HR
Backhoe - Light			24.00	HR
Water Truck - 2000 Gal			24.00	HR
Foreman			24.00	HR
Operator: Small Equipment			24.00	HR
Laborer [2]			24.00	HR
Water Truck Driver			24.00	HR
Fence Screen			1.00	LS
Unload And Store Materials	10130010		10.00	DY
GC-Unload & String Pipe Crew (1.00 DY/DY, 10.00 DY, 8.00 HR/DY)			10.00	DY
Truck - Crew			80.00	HR
Backhoe - Light			80.00	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 1 - Mobilization continued)				
 Water Truck - 2000 Gal			80.00	HR
 Foreman			80.00	HR
 Operator: Small Equipment			80.00	HR
 Pipelayer			80.00	HR
 Laborer			80.00	HR
 Water Truck Driver			80.00	HR
 Project Signage			1.00	LS
 Cold Mix			300.00	TON
 Office Power, Internet, And Equipping			1.00	LS
D 2 - SWPPP			10.00	MO
 SWPP Inspections (Argus Construction Services)			25.00	UNIT
 SWPP Maintenance Site Clean Up (1.00 MO/DY, 10.00 DY, 8.00 HR/DY)			10.00	MO
 Truck - Crew			80.00	HR
 Skip Loader - 1.3 CY			80.00	HR
 Foreman			80.00	HR
 Operator: Small Equipment			80.00	HR
 Laborer			80.00	HR
 Buy / Replace SWPPP Material			1.00	LS
 Water Tower - 12000 Gal			1,760.00	HR
 Sweeper			10.00	MO
 Water Support			10.00	MO
 Water Truck - 2000 Gal [0.5]			1,760.00	HR
 Water Truck Driver [0.5]			1,760.00	HR
 Wash Out			10.00	EACH
 SWPPP Dust Control Inspection (Argus Construction Services)			25.00	EACH
 Dust Sign (Argus Construction Services)			1.00	EACH
 Install And Remove SWPPP Sign			1.00	LS
D 7 - Place And Fine Grade ABC Prior To Pavement			3,345.00	SY
 Fine Grade Trench			3,345.00	SY
 Subgrade Preparation (281.72 SY/DY, 11.87 DY, 8.00 HR/DY)			3,345.00	SY
 Skip Loader - 1.3 CY			94.99	HR
 Asphalt Roller - 57in-67in			94.99	HR
 Water Truck - 2000 Gal			94.99	HR
 Truck - Crew			94.99	HR
 Operator: Small Equipment [2]			94.99	HR
 Laborer [2]			94.99	HR
 Water Truck Driver			94.99	HR
 Foreman			94.99	HR
D 8 - Remove And Replace Curb And Gutter MAG Standard Detail 230			2,830.00	LF
 Curb And Gutter Remove & Replacement			2,830.00	LF
 CP-Concrete Demo Curb & Gutter Crew (750.00 LF/DY, 3.77 DY, 8.00 HR/DY)			2,830.00	LF
 Truck - Crew			30.19	HR
 Backhoe - Light			30.19	HR
 Dump Truck - 10 Wheel			30.19	HR
 Water Truck - 2000 Gal			30.19	HR
 Foreman			30.19	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 8 - Remove And Replace Curb And Gutter MAG Standard Detail 230 continued)				
 Operator: Small Equipment			30.19	HR
 Laborer [2]			30.19	HR
 Truck Driver			30.19	HR
 Water Truck Driver			30.19	HR
 CP-Concrete Curb & Gutter Crew (165.00 LF/DY, 17.15 DY, 8.00 HR/DY)			2,830.00	LF
 Truck - Crew			137.21	HR
 Box Trailer			137.21	HR
 Skid Steer			137.21	HR
 Foreman			137.21	HR
 Concrete Finisher [3]			137.21	HR
 Operator: Small Equipment			137.21	HR
 Laborer [2]			137.21	HR
 Form, Cure, Stakes			1.00	LS
 Aggregate - ABC MAG Spec	100AA00003		124.30	TON
 Ready Mix Concrete - MAG B 2500	135ZZ00004		165.90	CY
 Trucking (8.53 DY, 0.54 Trucks, 41.47 LF/HR)			2,830.00	LF
 Dump Fee - Concrete	95040040		16.00	LOAD
D 9 - Remove And Replace Sidewalk MAG Standard Detail 230			3,236.00	SF
 Remove And Replace Concrete Sidewalk			3,236.00	SF
 CP-Concrete Demo Sidewalk Crew (650.00 SF/DY, 4.98 DY, 8.00 HR/DY)			3,236.00	SF
 Truck - Crew			39.83	HR
 Backhoe - Light			39.83	HR
 Dump Truck - 10 Wheel			39.83	HR
 Foreman			39.83	HR
 Operator: Small Equipment			39.83	HR
 Laborer			39.83	HR
 Truck Driver			39.83	HR
 Subgrade Preparation (469.44 SY/DY, 6.89 DY, 8.00 HR/DY)			3,236.00	SY
 Skip Loader - 1.3 CY			55.15	HR
 Asphalt Roller - 57in-67in			55.15	HR
 Water Truck - 2000 Gal			55.15	HR
 Truck - Crew			55.15	HR
 Operator: Small Equipment [2]			55.15	HR
 Laborer [2]			55.15	HR
 Water Truck Driver			55.15	HR
 Foreman			55.15	HR
 CP-Concrete Sidewalk Crew (200.00 SF/DY, 16.18 DY, 8.00 HR/DY)			3,236.00	SF
 Truck - Crew			129.44	HR
 Box Trailer			129.44	HR
 Skid Steer			129.44	HR
 Foreman			129.44	HR
 Concrete Finisher [3]			129.44	HR
 Laborer			129.44	HR
 Operator: Small Equipment			129.44	HR
 Forms, Cure, Stakes			1.00	LS
 Aggregate - ABC MAG Spec	100AA00003		62.70	TON

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 9 - Remove And Replace Sidewalk MAG Standard Detail 230 continued)				
 Ready Mix Concrete - MAG B 2500	135ZZ00004		42.00	CY
 Dump Fee - Concrete	95040040		3.00	LOAD
D 10 - Sawcut, Remove, And Replace Pavement MAG Standard Detail 200-1 & 200-2			3,345.00	SY
 Remove Existing AC Trench Paving			3,345.00	SY
 CP-Sawcutting Large Crew (291.00 SY/DY, 11.49 DY, 8.00 HR/DY)			3,345.00	SY
 Truck - Crew			91.96	HR
 Water Truck - 2000 Gal			91.96	HR
 Walk Behind Saw - 57 HP			91.96	HR
 Foreman			91.96	HR
 Operator: Small Equipment			91.96	HR
 Laborer [2]			91.96	HR
 CP-Asphalt Demo Crew (291.00 SY/DY, 11.49 DY, 8.00 HR/DY)			3,345.00	SY
 Truck - Crew			91.96	HR
 Dump Truck - 10 Wheel			91.96	HR
 Water Truck - 2000 Gal			91.96	HR
 Foreman			91.96	HR
 Operator: Small Equipment [2]			91.96	HR
 Laborer [2]			91.96	HR
 Truck Driver			91.96	HR
 Water Truck Driver			91.96	HR
 Excavator - 35k LB			91.96	HR
 Backhoe - Light			91.96	HR
 Replace AC Trench Paving (P1 Paving & Construction)			3,345.00	SY
D 13 - Remove And Replace Valley Gutter & Apron Standard Detail 240			1,232.00	SF
 Chandler Blvd			1,232.00	SF
 CP-Concrete Valley Gutter Crew (163.56 SF/DY, 7.53 DY, 8.00 HR/DY)			1,232.00	SF
 Truck - Crew			60.26	HR
 Box Trailer			60.26	HR
 Skid Steer			60.26	HR
 Foreman			60.26	HR
 Concrete Finisher [4]			60.26	HR
 Operator: Small Equipment			60.26	HR
 Laborer			60.26	HR
 CP-Concrete Demo Valley Gutter Crew (336.00 SF/DY, 3.67 DY, 8.00 HR/DY)			1,232.00	SF
 Truck - Crew			29.33	HR
 Backhoe - Light			29.33	HR
 Dump Truck - 10 Wheel			29.33	HR
 Water Truck - 2000 Gal			29.33	HR
 Foreman			29.33	HR
 Operator: Small Equipment			29.33	HR
 Pipelayer			29.33	HR
 Laborer			29.33	HR
 Truck Driver			29.33	HR
 Water Truck Driver			29.33	HR
 Hydraulic Hammer - 800 FT LB			29.33	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 13 - Remove And Replace Valley Gutter & Apron Standard Detail 240 continued)				
 CP-Sawcutting Small Crew (368.00 LF/DY, 3.35 DY, 8.00 HR/DY)			1,232.00	LF
 Truck - Crew			26.78	HR
 Walk Behind Saw - 44 HP			26.78	HR
 Foreman			26.78	HR
 Laborer [2]			26.78	HR
 Material Per Bid Item			1.00	LS
 Aggregate - ABC MAG Spec	100AA00003		60.50	TON
 Ready Mix Concrete - MAG A 3000	135ZZ00001		34.65	CY
 Subgrade Preparation (280.56 SY/DY, 4.39 DY, 8.00 HR/DY)			1,232.00	SY
 Skip Loader - 1.3 CY			35.13	HR
 Asphalt Roller - 57in-67in			35.13	HR
 Water Truck - 2000 Gal			35.13	HR
 Truck - Crew			35.13	HR
 Operator: Small Equipment [2]			35.13	HR
 Laborer [2]			35.13	HR
 Water Truck Driver			35.13	HR
 Foreman			35.13	HR
D 14 - Replace Concrete Bus Bay COC Standard			729.00	SF
 Chandler Blvd			234.00	SF
 CP-Concrete Valley Gutter Crew (163.56 SF/DY, 1.43 DY, 8.00 HR/DY)			234.00	SF
 Truck - Crew			11.45	HR
 Box Trailer			11.45	HR
 Skid Steer			11.45	HR
 Foreman			11.45	HR
 Concrete Finisher [4]			11.45	HR
 Operator: Small Equipment			11.45	HR
 Laborer			11.45	HR
 CP-Concrete Demo Valley Gutter Crew (336.00 SF/DY, 0.70 DY, 8.00 HR/DY)			234.00	SF
 Truck - Crew			5.57	HR
 Backhoe - Light			5.57	HR
 Dump Truck - 10 Wheel			5.57	HR
 Water Truck - 2000 Gal			5.57	HR
 Foreman			5.57	HR
 Operator: Small Equipment			5.57	HR
 Pipelayer			5.57	HR
 Laborer			5.57	HR
 Truck Driver			5.57	HR
 Water Truck Driver			5.57	HR
 Hydraulic Hammer - 800 FT LB			5.57	HR
 Subgrade Preparation (235.00 SY/DY, 1.00 DY, 8.00 HR/DY)			234.00	SY
 Skip Loader - 1.3 CY			7.97	HR
 Asphalt Roller - 57in-67in			7.97	HR
 Water Truck - 2000 Gal			7.97	HR
 Truck - Crew			7.97	HR
 Operator: Small Equipment [2]			7.97	HR
 Laborer [2]			7.97	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 14 - Replace Concrete Bus Bay COC Standard continued)				
 Water Truck Driver			7.97	HR
 Foreman			7.97	HR
 Material Per Bid Item			1.00	LS
 Aggregate - ABC MAG Spec	100AA00003		14.30	TON
 Ready Mix Concrete - MAG A 3000	135ZZ00001		8.40	CY
 Chandler Blvd			229.00	SF
 CP-Concrete Valley Gutter Crew (163.57 SF/DY, 1.40 DY, 8.00 HR/DY)			229.00	SF
 Truck - Crew			11.20	HR
 Box Trailer			11.20	HR
 Skid Steer			11.20	HR
 Foreman			11.20	HR
 Concrete Finisher [4]			11.20	HR
 Operator: Small Equipment			11.20	HR
 Laborer			11.20	HR
 CP-Concrete Demo Valley Gutter Crew (336.00 SF/DY, 0.68 DY, 8.00 HR/DY)			229.00	SF
 Truck - Crew			5.45	HR
 Backhoe - Light			5.45	HR
 Dump Truck - 10 Wheel			5.45	HR
 Water Truck - 2000 Gal			5.45	HR
 Foreman			5.45	HR
 Operator: Small Equipment			5.45	HR
 Pipelayer			5.45	HR
 Laborer			5.45	HR
 Truck Driver			5.45	HR
 Water Truck Driver			5.45	HR
 Hydraulic Hammer - 800 FT LB			5.45	HR
 Subgrade Preparation (229.00 SY/DY, 1.00 DY, 8.00 HR/DY)			229.00	SY
 Skip Loader - 1.3 CY			8.00	HR
 Asphalt Roller - 57in-67in			8.00	HR
 Water Truck - 2000 Gal			8.00	HR
 Truck - Crew			8.00	HR
 Operator: Small Equipment [2]			8.00	HR
 Laborer [2]			8.00	HR
 Water Truck Driver			8.00	HR
 Foreman			8.00	HR
 Material Per Bid Item			1.00	LS
 Aggregate - ABC MAG Spec	100AA00003		13.20	TON
 Ready Mix Concrete - MAG A 3000	135ZZ00001		8.40	CY
 Trucking (2.00 DY, 1.12 Trucks, 45.56 SF/HR)			729.00	SF
 Dump Fee - Concrete	95040040		5.00	LOAD
 Chandler Blvd			265.00	SF
 CP-Concrete Valley Gutter Crew (163.57 SF/DY, 1.62 DY, 8.00 HR/DY)			265.00	SF
 Truck - Crew			12.96	HR
 Box Trailer			12.96	HR
 Skid Steer			12.96	HR
 Foreman			12.96	HR
 Concrete Finisher [4]			12.96	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 14 - Replace Concrete Bus Bay COC Standard continued)				
 Operator: Small Equipment			12.96	HR
 Laborer			12.96	HR
 CP-Concrete Demo Valley Gutter Crew (500.00 SF/DY, 0.53 DY, 8.00 HR/DY)			265.00	SF
 Truck - Crew			4.24	HR
 Backhoe - Light			4.24	HR
 Dump Truck - 10 Wheel			4.24	HR
 Water Truck - 2000 Gal			4.24	HR
 Foreman			4.24	HR
 Operator: Small Equipment			4.24	HR
 Pipelayer			4.24	HR
 Laborer			4.24	HR
 Truck Driver			4.24	HR
 Water Truck Driver			4.24	HR
 Hydraulic Hammer - 800 FT LB			4.24	HR
 Subgrade Preparation (250.00 SY/DY, 1.06 DY, 8.00 HR/DY)			265.00	SY
 Skip Loader - 1.3 CY			8.48	HR
 Asphalt Roller - 57in-67in			8.48	HR
 Water Truck - 2000 Gal			8.48	HR
 Truck - Crew			8.48	HR
 Operator: Small Equipment [2]			8.48	HR
 Laborer [2]			8.48	HR
 Water Truck Driver			8.48	HR
 Foreman			8.48	HR
 Material Per Bid Item			1.00	LS
 Aggregate - ABC MAG Spec	100AA00003		4.40	TON
 Ready Mix Concrete - MAG A 3000	135ZZ00001		8.40	CY
 CP-Sawcutting Small Crew (642.67 LF/DY, 1.13 DY, 8.00 HR/DY)			729.00	LF
 Truck - Crew			9.07	HR
 Walk Behind Saw - 44 HP			9.07	HR
 Foreman			9.07	HR
 Laborer [2]			9.07	HR
 Eco Pan	95040040		1.00	LOAD
D 15 - Abandon In Place 12-inch ACP Watermain W/Grout MAG Std Spec 350			753.00	LF
 Chandler Dobson Intersection Sta 100+00 To 102+00			325.00	LF
 Grouting Crew			1.00	EACH
 Truck - Crew			8.00	HR
 Operator: Small Equipment			8.00	HR
 Laborer			8.00	HR
 WL-Abandonment Crew (162.50 LF/DY, 2.00 DY, 8.00 HR/DY)			325.00	LF
 Truck - Crew			16.00	HR
 Backhoe - Light			16.00	HR
 Foreman			16.00	HR
 Pipelayer			16.00	HR
 Laborer			16.00	HR
 Operator: Small Equipment			16.00	HR
 Miscellaneous-Materials	95040060		1.00	LS

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 15 - Abandon In Place 12-inch ACP Watermain W/Grout MAG Std Spec 350 continued)				
 Grout - Mix	125AA00001		10.50	TON
 Grout Pump			1.00	EACH
 Chandler Blvd Sta 28+00 To Sta 33+00			240.00	LF
 Chandler Dobson Intersection Sta 100+00 To 102+00			240.00	LF
 WL-Abandonment Crew (162.50 LF/DY, 1.48 DY, 8.00 HR/DY)			240.00	LF
 Truck - Crew			11.82	HR
 Backhoe - Light			11.82	HR
 Foreman			11.82	HR
 Pipelayer			11.82	HR
 Laborer			11.82	HR
 Operator: Small Equipment			11.82	HR
 Miscellaneous-Materials	95040060		1.00	LS
 Grout - Mix	125AA00001		7.35	TON
 Grout Pump			1.00	EACH
 Grout Crew			1.00	EACH
 Grouting Crew			1.00	EACH
 Truck - Crew			8.00	HR
 Operator: Small Equipment			8.00	HR
 Laborer			8.00	HR
 Chandler BLVD Sta 42+50 To Sta 47+50			8.00	LF
 WL-Abandonment Crew (162.50 LF/DY, 0.05 DY, 8.00 HR/DY)			8.00	LF
 Truck - Crew			0.39	HR
 Backhoe - Light			0.39	HR
 Foreman			0.39	HR
 Pipelayer			0.39	HR
 Laborer			0.39	HR
 Operator: Small Equipment			0.39	HR
 Miscellaneous-Materials	95040060		1.00	LS
 Grout - Mix	125AA00001		1.05	TON
 Grout Pump			1.00	EACH
 Grout Crew			1.00	EACH
 Grouting Crew			1.00	EACH
 Truck - Crew [0.5]			8.00	HR
 Operator: Small Equipment [0.5]			8.00	HR
 Laborer [0.5]			8.00	HR
 Chandler Blvd And Arrowhead Dr			180.00	LF
 WL-Abandonment Crew (162.50 LF/DY, 1.11 DY, 8.00 HR/DY)			180.00	LF
 Truck - Crew			8.86	HR
 Backhoe - Light			8.86	HR
 Foreman			8.86	HR
 Pipelayer			8.86	HR
 Laborer			8.86	HR
 Operator: Small Equipment			8.86	HR
 Miscellaneous-Materials	95040060		0.25	LS
 Grout - Mix	125AA00001		5.67	TON
 Grout Pump			1.00	EACH
 Grouting Crew			1.00	EACH

Description	Job Cost ID	Task JC ID	Quantity	UM
<i>(Item 15 - Abandon In Place 12-inch ACP Watermain W/Grout MAG Std Spec 350 continued)</i>				
 Truck - Crew			8.00	HR
 Operator: Small Equipment			8.00	HR
 Laborer			8.00	HR
D 16 - Abandon In Place 12-Inch CIP Watermain W/Grout MAG Std Spec 350			4,205.00	LF
D Chandler Blvd Sta 28+00 To Sta 33+00			283.00	LF
D Grouting Crew			1.00	EACH
 Truck - Crew			8.00	HR
 Operator: Small Equipment			8.00	HR
 Laborer			8.00	HR
 WL-Abandonment Crew (162.50 LF/DY, 1.74 DY, 8.00 HR/DY)			283.00	LF
 Truck - Crew			13.93	HR
 Backhoe - Light			13.93	HR
 Foreman			13.93	HR
 Pipelayer			13.93	HR
 Laborer			13.93	HR
 Operator: Small Equipment			13.93	HR
Q Miscellaneous-Materials	95040060		1.00	LS
 Grout - Mix	125AA00001		8.64	TON
Q Grout Pump			1.00	EACH
D Chandler Blvd Sta 33+00 To Sta 38+00			481.00	LF
Q Miscellaneous-Materials	95040060		1.00	LS
 Grout - Mix	125AA00001		14.70	TON
 WL-Abandonment Crew (162.50 LF/DY, 2.96 DY, 8.00 HR/DY)			481.00	LF
 Truck - Crew			23.68	HR
 Backhoe - Light			23.68	HR
 Foreman			23.68	HR
 Pipelayer			23.68	HR
 Laborer			23.68	HR
 Operator: Small Equipment			23.68	HR
Q Grout Pump			1.00	EACH
D Grouting Crew			1.00	EACH
 Truck - Crew			8.00	HR
 Operator: Small Equipment			8.00	HR
 Laborer			8.00	HR
D Chandler Blvd Sta 38+00 To Sta 42+50			450.00	LF
Q Miscellaneous-Materials	95040060		1.00	LS
 Grout - Mix	125AA00001		13.65	TON
 WL-Abandonment Crew (162.50 LF/DY, 2.77 DY, 8.00 HR/DY)			450.00	LF
 Truck - Crew			22.15	HR
 Backhoe - Light			22.15	HR
 Foreman			22.15	HR
 Pipelayer			22.15	HR
 Laborer			22.15	HR
 Operator: Small Equipment			22.15	HR
Q Grout Pump			1.00	EACH
D Grouting Crew			1.00	EACH

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 16 - Abandon In Place 12-Inch CIP Watermain W/Grout MAG Std Spec 350 continued)				
 Truck - Crew			8.00	HR
 Operator: Small Equipment			8.00	HR
 Laborer			8.00	HR
 Chandler Blvd Sta 42+50 To Sta 47+50			500.00	LF
 Miscellaneous-Materials	95040060		1.00	LS
 Grout - Mix	125AA00001		15.75	TON
 WL-Abandonment Crew (162.50 LF/DY, 3.08 DY, 8.00 HR/DY)			500.00	LF
 Truck - Crew			24.62	HR
 Backhoe - Light			24.62	HR
 Foreman			24.62	HR
 Pipelayer			24.62	HR
 Laborer			24.62	HR
 Operator: Small Equipment			24.62	HR
 Grout Pump			1.00	EACH
 Grouting Crew			1.00	EACH
 Truck - Crew			8.00	HR
 Operator: Small Equipment			8.00	HR
 Laborer			8.00	HR
 Chandler Blvd Sta 47+50 To Sta 52+50			500.00	LF
 Miscellaneous-Materials	95040060		1.00	LS
 Grout - Mix	125AA00001		16.80	TON
 WL-Abandonment Crew (162.50 LF/DY, 3.08 DY, 8.00 HR/DY)			500.00	LF
 Truck - Crew			24.62	HR
 Backhoe - Light			24.62	HR
 Foreman			24.62	HR
 Pipelayer			24.62	HR
 Laborer			24.62	HR
 Operator: Small Equipment			24.62	HR
 Grout Pump			1.00	EACH
 Grouting Crew			1.00	EACH
 Truck - Crew			8.00	HR
 Operator: Small Equipment			8.00	HR
 Laborer			8.00	HR
 Chandler Blvd Sta 52+50 To Sta 57+50			340.00	LF
 Miscellaneous-Materials	95040060		1.00	LS
 Grout - Mix	125AA00001		10.50	TON
 WL-Abandonment Crew (162.50 LF/DY, 2.09 DY, 8.00 HR/DY)			340.00	LF
 Truck - Crew			16.74	HR
 Backhoe - Light			16.74	HR
 Foreman			16.74	HR
 Pipelayer			16.74	HR
 Laborer			16.74	HR
 Operator: Small Equipment			16.74	HR
 Grout Pump			1.00	EACH
 Grouting Crew			1.00	EACH
 Truck - Crew			8.00	HR
 Operator: Small Equipment			8.00	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
<i>(Item 16 - Abandon In Place 12-Inch CIP Watermain W/Grout MAG Std Spec 350 continued)</i>				
 Laborer			8.00	HR
 Chandler Blvd Sta 57+50 To Sta 61+50			371.00	LF
 Miscellaneous-Materials	95040060		1.00	LS
 Grout - Mix	125AA00001		11.55	TON
 WL-Abandonment Crew (250.00 LF/DY, 1.48 DY, 8.00 HR/DY)			371.00	LF
 Truck - Crew			11.87	HR
 Backhoe - Light			11.87	HR
 Foreman			11.87	HR
 Pipelayer			11.87	HR
 Laborer			11.87	HR
 Operator: Small Equipment			11.87	HR
 Grout Pump			1.00	EACH
 Grouting Crew			1.00	EACH
 Truck - Crew			8.00	HR
 Operator: Small Equipment			8.00	HR
 Laborer			8.00	HR
 Chandler Blvd Sta 61+50 To Sta 66+50			500.00	LF
 Miscellaneous-Materials	95040060		1.00	LS
 Grout - Mix	125AA00001		15.75	TON
 Subcontracted-Concrete Pump Truck			1.00	DY
 WL-Abandonment Crew (162.50 LF/DY, 3.08 DY, 8.00 HR/DY)			500.00	LF
 Truck - Crew			24.62	HR
 Backhoe - Light			24.62	HR
 Foreman			24.62	HR
 Pipelayer			24.62	HR
 Laborer			24.62	HR
 Operator: Small Equipment			24.62	HR
 Grouting Crew			1.00	EACH
 Truck - Crew			8.00	HR
 Operator: Small Equipment			8.00	HR
 Laborer			8.00	HR
 Chandler Blvd Sta 66+50 To Sta 71+00			450.00	LF
 Miscellaneous-Materials	95040060		1.00	LS
 Grout - Mix	125AA00001		13.65	TON
 WL-Abandonment Crew (162.50 LF/DY, 2.77 DY, 8.00 HR/DY)			450.00	LF
 Truck - Crew			22.15	HR
 Backhoe - Light			22.15	HR
 Foreman			22.15	HR
 Pipelayer			22.15	HR
 Laborer			22.15	HR
 Operator: Small Equipment			22.15	HR
 Grout Pump			1.00	EACH
 Grouting Crew			1.00	EACH
 Truck - Crew			8.00	HR
 Operator: Small Equipment			8.00	HR
 Laborer			8.00	HR
 Chandler Blvd Sta 71+00 To Sta 76+00			330.00	LF

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 16 - Abandon In Place 12-Inch CIP Watermain W/Grout MAG Std Spec 350 continued)				
 Miscellaneous-Materials	95040060		1.00	LS
 Grout - Mix	125AA00001		10.50	TON
 WL-Abandonment Crew (162.50 LF/DY, 2.03 DY, 8.00 HR/DY)			330.00	LF
 Truck - Crew			16.25	HR
 Backhoe - Light			16.25	HR
 Foreman			16.25	HR
 Pipelayer			16.25	HR
 Laborer			16.25	HR
 Operator: Small Equipment			16.25	HR
 Grout Pump			1.00	EACH
 Grouting Crew			1.00	EACH
 Truck - Crew			8.00	HR
 Operator: Small Equipment			8.00	HR
 Laborer			8.00	HR
D 17 - Abandon In Place 8-inch ACP Watermain W/Grout MAG Std Spec 350			94.00	LF
 Chandler Blvd Sta 28+00 To Sta 33+00			40.00	LF
 WL-Abandonment Crew (162.50 LF/DY, 0.25 DY, 8.00 HR/DY)			40.00	LF
 Truck - Crew			1.97	HR
 Backhoe - Light			1.97	HR
 Foreman			1.97	HR
 Pipelayer			1.97	HR
 Laborer			1.97	HR
 Operator: Small Equipment			1.97	HR
 Miscellaneous-Materials	95040060		1.00	LS
 Grout - Mix	125AA00001		5.25	TON
 Grout Pump			1.00	EACH
 Grouting Crew			1.00	EACH
 Truck - Crew			4.00	HR
 Operator: Small Equipment			4.00	HR
 Laborer			4.00	HR
 Chandler Blvd W2			20.00	LF
 WL-Abandonment Crew (162.50 LF/DY, 0.12 DY, 8.00 HR/DY)			20.00	LF
 Truck - Crew			0.98	HR
 Backhoe - Light			0.98	HR
 Foreman			0.98	HR
 Pipelayer			0.98	HR
 Laborer			0.98	HR
 Operator: Small Equipment			0.98	HR
 Miscellaneous-Materials	95040060		1.00	LS
 Grout - Mix	125AA00001		1.05	TON
 Grout Pump			1.00	EACH
 Grouting Crew			1.00	EACH
 Truck - Crew			4.00	HR
 Operator: Small Equipment			4.00	HR
 Laborer			4.00	HR
 Chandler Blvd W5			6.00	LF

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 17 - Abandon In Place 8-inch ACP Watermain W/Grout MAG Std Spec 350 continued)				
 WL-Abandonment Crew (162.50 LF/DY, 0.04 DY, 8.00 HR/DY)			6.00	LF
 Truck - Crew			0.30	HR
 Backhoe - Light			0.30	HR
 Foreman			0.30	HR
 Pipelayer			0.30	HR
 Laborer			0.30	HR
 Operator: Small Equipment			0.30	HR
 Miscellaneous-Materials	95040060		1.00	LS
 Grout - Mix	125AA00001		1.05	TON
D 18 - Abandon In Place 8-inch CIP Watermain W/Grout MAG Std Spec 350			43.00	LF
D Chandler Blvd W19 & W20			43.00	LF
 WL-Abandonment Crew (162.50 LF/DY, 0.26 DY, 8.00 HR/DY)			43.00	LF
 Truck - Crew			2.12	HR
 Backhoe - Light			2.12	HR
 Foreman			2.12	HR
 Pipelayer			2.12	HR
 Laborer			2.12	HR
 Operator: Small Equipment			2.12	HR
 Miscellaneous-Materials	95040060		1.00	LS
 Grout - Mix	125AA00001		5.25	TON
 Grout Pump			1.00	EACH
 Grouting Crew			1.00	EACH
 Truck - Crew			4.00	HR
 Operator: Small Equipment			4.00	HR
 Laborer			4.00	HR
D 19 - Abandon In Place 6-Inch ACP Watermain W/Grout MAG Std Spec 350			126.00	LF
D Chandler Blvd Sta 47.50 To Sta 52+50			35.00	LF
 WL-Abandonment Crew (200.00 LF/DY, 0.18 DY, 8.00 HR/DY)			35.00	LF
 Truck - Crew			1.40	HR
 Backhoe - Light			1.40	HR
 Foreman			1.40	HR
 Pipelayer			1.40	HR
 Laborer			1.40	HR
 Operator: Small Equipment			1.40	HR
 Miscellaneous-Materials	95040060		1.00	LS
 Grout - Mix	125AA00001		1.05	TON
 Grout Pump			1.00	EACH
 Grouting Crew			1.00	EACH
 Truck - Crew			4.00	HR
 Operator: Small Equipment			4.00	HR
 Laborer			4.00	HR
D Chandler Blvd Sta 66+50 To Sta 71+00			30.00	LF
 WL-Abandonment Crew (200.00 LF/DY, 0.15 DY, 8.00 HR/DY)			30.00	LF
 Truck - Crew			1.20	HR
 Backhoe - Light			1.20	HR
 Foreman			1.20	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 19 - Abandon In Place 6-Inch ACP Watermain W/Grout MAG Std Spec 350 continued)				
 Pipelayer			1.20	HR
 Laborer			1.20	HR
 Operator: Small Equipment			1.20	HR
 Miscellaneous-Materials	95040060		1.00	LS
 Grout - Mix	125AA00001		1.05	TON
 Grout Pump			1.00	EACH
 Grouting Crew			1.00	EACH
 Truck - Crew			4.00	HR
 Operator: Small Equipment			4.00	HR
 Laborer			4.00	HR
 Chandler Blvd Sta 71+00 To Sta 76+00			61.00	LF
 WL-Abandonment Crew (200.00 LF/DY, 0.31 DY, 8.00 HR/DY)			61.00	LF
 Truck - Crew			2.44	HR
 Backhoe - Light			2.44	HR
 Foreman			2.44	HR
 Pipelayer			2.44	HR
 Laborer			2.44	HR
 Operator: Small Equipment			2.44	HR
 Miscellaneous-Materials	95040060		1.00	LS
 Grout - Mix	125AA00001		1.05	TON
 Grout Pump			1.00	EACH
 Grouting Crew			1.00	EACH
 Truck - Crew			4.00	HR
 Operator: Small Equipment			4.00	HR
 Laborer			4.00	HR
 20 - Abandon 12-Inch Gate Valve In Closed Position MAG Std Det 350			11.00	EACH
 Chandler Blvd Sta 42+50 To Sta 47+50			3.00	EACH
 Ready Mix - Slurry ABC Slurry 1/2 Sack	135AA00002		3.15	YARD
 SL-Plug Valve 12in Appurtenance Crew (5.00 EACH/DY, 0.60 DY, 8.00 HR/DY)			3.00	EACH
 Truck - Crew			4.80	HR
 Backhoe - Light			4.80	HR
 Water Truck - 2000 Gal			4.80	HR
 Foreman			4.80	HR
 Operator: Small Equipment			4.80	HR
 Pipelayer			4.80	HR
 Laborer			4.80	HR
 Water Truck Driver			4.80	HR
 Chandler Blvd Sta 52+50 To Sta 57+50			2.00	EACH
 Ready Mix - Slurry ABC Slurry 1/2 Sack	135AA00002		2.10	YARD
 SL-Plug Valve 12in Appurtenance Crew (5.00 EACH/DY, 0.40 DY, 8.00 HR/DY)			2.00	EACH
 Truck - Crew			3.20	HR
 Backhoe - Light			3.20	HR
 Water Truck - 2000 Gal			3.20	HR
 Foreman			3.20	HR
 Operator: Small Equipment			3.20	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
<i>(Item 20 - Abandon 12-Inch Gate Valve In Closed Position MAG Std Det 350 continued)</i>				
 Pipelayer			3.20	HR
 Laborer			3.20	HR
 Water Truck Driver			3.20	HR
 Chandler Blvd Sta 66+50 To Sta 71+00			4.00	EACH
 SL-Plug Valve 12in Appurtenance Crew (5.00 EACH/DY, 0.80 DY, 8.00 HR/DY)			4.00	EACH
 Truck - Crew			6.40	HR
 Backhoe - Light			6.40	HR
 Water Truck - 2000 Gal			6.40	HR
 Foreman			6.40	HR
 Operator: Small Equipment			6.40	HR
 Pipelayer			6.40	HR
 Laborer			6.40	HR
 Water Truck Driver			6.40	HR
 Ready Mix - Slurry ABC Slurry 1/2 Sack	135AA00002		4.20	YARD
 Chandler Blvd Sta 71+00 To Sta 76+00			1.00	EACH
 SL-Plug Valve 12in Appurtenance Crew (5.00 EACH/DY, 0.20 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			1.60	HR
 Backhoe - Light			1.60	HR
 Water Truck - 2000 Gal			1.60	HR
 Foreman			1.60	HR
 Operator: Small Equipment			1.60	HR
 Pipelayer			1.60	HR
 Laborer			1.60	HR
 Water Truck Driver			1.60	HR
 Ready Mix - Slurry ABC Slurry 1/2 Sack	135AA00002		1.05	YARD
 Chandler Blvd Sta 28+00 To Sta 33+00			1.00	EACH
 SL-Plug Valve 12in Appurtenance Crew (5.00 EACH/DY, 0.20 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			1.60	HR
 Backhoe - Light			1.60	HR
 Water Truck - 2000 Gal			1.60	HR
 Foreman			1.60	HR
 Operator: Small Equipment			1.60	HR
 Pipelayer			1.60	HR
 Laborer			1.60	HR
 Water Truck Driver			1.60	HR
 Ready Mix - Slurry ABC Slurry 1/2 Sack	135AA00002		1.05	YARD
 Concrete - Short Load Fee			2.80	EACH

 21 - Abandon 8-Inch Gate Valve In Closed Position Standard Detail 350			8.00	EACH
 Chandler Blvd Sta 28+00 To Sta 33+00			1.00	EACH
 WL-Abandon Crew (5.00 EACH/DY, 0.20 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			1.60	HR
 Backhoe - Light			1.60	HR
 Water Truck - 2000 Gal			1.60	HR
 Foreman			1.60	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 21 - Abandon 8-Inch Gate Valve In Closed Position Standard Detail 350 continued)				
 Operator: Small Equipment			1.60	HR
 Pipelayer			1.60	HR
 Laborer			1.60	HR
 Water Truck Driver			1.60	HR
 Chandler Blvd Sta 38+00 To Sta 42+50			2.00	EACH
 WL-Abandon Crew (5.00 EACH/DY, 0.40 DY, 8.00 HR/DY)			2.00	EACH
 Truck - Crew			3.20	HR
 Backhoe - Light			3.20	HR
 Water Truck - 2000 Gal			3.20	HR
 Foreman			3.20	HR
 Operator: Small Equipment			3.20	HR
 Pipelayer			3.20	HR
 Laborer			3.20	HR
 Water Truck Driver			3.20	HR
 Chandler Bulv Sta 42+50 To Sta 47+50			2.00	EACH
 WL-Abandon Crew (5.00 EACH/DY, 0.40 DY, 8.00 HR/DY)			2.00	EACH
 Truck - Crew			3.20	HR
 Backhoe - Light			3.20	HR
 Water Truck - 2000 Gal			3.20	HR
 Foreman			3.20	HR
 Operator: Small Equipment			3.20	HR
 Pipelayer			3.20	HR
 Laborer			3.20	HR
 Water Truck Driver			3.20	HR
 Chandler Blvd Sta 52+50 To Sta 57+50			3.00	EACH
 WL-Abandon Crew (5.00 EACH/DY, 0.60 DY, 8.00 HR/DY)			3.00	EACH
 Truck - Crew			4.80	HR
 Backhoe - Light			4.80	HR
 Water Truck - 2000 Gal			4.80	HR
 Foreman			4.80	HR
 Operator: Small Equipment			4.80	HR
 Pipelayer			4.80	HR
 Laborer			4.80	HR
 Water Truck Driver			4.80	HR
 Ready Mix - Slurry ABC Slurry 1/2 Sack	135AA00002		8.40	YARD
 Concrete - Short Load Fee			2.20	EACH
 22 - Abandon 6-inch Gate Valve In Closed Position MAG Standard Detail 350			14.00	EACH
 Chandler Blvd Sta 33+00 To Sta 38+00			1.00	EACH
 WL-Abandon Crew (5.00 EACH/DY, 0.20 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			1.60	HR
 Backhoe - Light			1.60	HR
 Water Truck - 2000 Gal			1.60	HR
 Foreman			1.60	HR
 Operator: Small Equipment			1.60	HR
 Pipelayer			1.60	HR
 Laborer			1.60	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 22 - Abandon 6-inch Gate Valve In Closed Position MAG Standard Detail 350 continued)				
 Water Truck Driver			1.60	HR
 Chandler Blvd Sta 47+50 To Sta 52+50			3.00	EACH
 WL-Abandon Crew (5.00 EACH/DY, 0.60 DY, 8.00 HR/DY)			3.00	EACH
 Truck - Crew			4.80	HR
 Backhoe - Light			4.80	HR
 Water Truck - 2000 Gal			4.80	HR
 Foreman			4.80	HR
 Operator: Small Equipment			4.80	HR
 Pipelayer			4.80	HR
 Laborer			4.80	HR
 Water Truck Driver			4.80	HR
 Chandler Blvd Sta 52+50 To Sta 57+50			3.00	EACH
 WL-Abandon Crew (5.00 EACH/DY, 0.60 DY, 8.00 HR/DY)			3.00	EACH
 Truck - Crew			4.80	HR
 Backhoe - Light			4.80	HR
 Water Truck - 2000 Gal			4.80	HR
 Foreman			4.80	HR
 Operator: Small Equipment			4.80	HR
 Pipelayer			4.80	HR
 Laborer			4.80	HR
 Water Truck Driver			4.80	HR
 Chandler Blvd Sta 57+50 To Sta 61+50			1.00	EACH
 WL-Abandon Crew (5.00 EACH/DY, 0.20 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			1.60	HR
 Backhoe - Light			1.60	HR
 Water Truck - 2000 Gal			1.60	HR
 Foreman			1.60	HR
 Operator: Small Equipment			1.60	HR
 Pipelayer			1.60	HR
 Laborer			1.60	HR
 Water Truck Driver			1.60	HR
 Chandler Blvd Sta 66+50 To Sta 71+00			2.00	EACH
 WL-Abandon Crew (5.00 EACH/DY, 0.40 DY, 8.00 HR/DY)			2.00	EACH
 Truck - Crew			3.20	HR
 Backhoe - Light			3.20	HR
 Water Truck - 2000 Gal			3.20	HR
 Foreman			3.20	HR
 Operator: Small Equipment			3.20	HR
 Pipelayer			3.20	HR
 Laborer			3.20	HR
 Water Truck Driver			3.20	HR
 Chandler Blvd Sta 71+00 To Sta 76+00			3.00	EACH
 WL-Abandon Crew (5.00 EACH/DY, 0.60 DY, 8.00 HR/DY)			3.00	EACH
 Truck - Crew			4.80	HR
 Backhoe - Light			4.80	HR
 Water Truck - 2000 Gal			4.80	HR
 Foreman			4.80	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 22 - Abandon 6-inch Gate Valve In Closed Position MAG Standard Detail 350 continued)				
 Operator: Small Equipment			4.80	HR
 Pipelayer			4.80	HR
 Laborer			4.80	HR
 Water Truck Driver			4.80	HR
 Chandler Blvd Sta 33+00 To Sta 38+00			1.00	EACH
 WL-Abandon Crew (5.00 EACH/DY, 0.20 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			1.60	HR
 Backhoe - Light			1.60	HR
 Water Truck - 2000 Gal			1.60	HR
 Foreman			1.60	HR
 Operator: Small Equipment			1.60	HR
 Pipelayer			1.60	HR
 Laborer			1.60	HR
 Water Truck Driver			1.60	HR
 Ready Mix - Slurry ABC Slurry 1/2 Sack	135AA00002		14.70	YARD
 Concrete - Short Load Fee			2.20	EACH
 23 - Abandon In Place Water Service Line			190.00	LF
 Chandler Blvd Sta 33+00 To Sta 38+00			104.00	LF
 WL-Service Repair Appurtenance Crew (350.00 LF/DY, 0.30 DY, 8.00 HR/DY)			104.00	LF
 Truck - Crew			2.38	HR
 Backhoe - Light			2.38	HR
 Water Truck - 2000 Gal			2.38	HR
 Foreman			2.38	HR
 Operator: Small Equipment			2.38	HR
 Pipelayer			2.38	HR
 Laborer			2.38	HR
 Water Truck Driver			2.38	HR
 Aggregate - ABC MAG Spec	100AA00003		3.30	TON
 Chandler Blvd Sta 47+50 To Sta 52+50			43.00	LF
 WL-Service Repair Appurtenance Crew (350.00 LF/DY, 0.12 DY, 8.00 HR/DY)			43.00	LF
 Truck - Crew			0.98	HR
 Backhoe - Light			0.98	HR
 Water Truck - 2000 Gal			0.98	HR
 Foreman			0.98	HR
 Operator: Small Equipment			0.98	HR
 Pipelayer			0.98	HR
 Laborer			0.98	HR
 Water Truck Driver			0.98	HR
 Aggregate - ABC MAG Spec	100AA00003		2.20	TON
 Chandler Blvd Sta 38+00 To Sta 42+50			49.00	LF
 WL-Service Repair Appurtenance Crew (350.00 LF/DY, 0.14 DY, 8.00 HR/DY)			49.00	LF
 Truck - Crew			1.12	HR
 Backhoe - Light			1.12	HR
 Water Truck - 2000 Gal			1.12	HR
 Foreman			1.12	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
<i>(Item 23 - Abandon In Place Water Service Line continued)</i>				
 Operator: Small Equipment			1.12	HR
 Pipelayer			1.12	HR
 Laborer			1.12	HR
 Water Truck Driver			1.12	HR
 Aggregate - ABC MAG Spec	100AA00003		1.10	TON
D 24 - Remove Existing Water Meter & Salvage Meter To City			17.00	EACH
 Chandler Blvd Sta 33+00 To Sta 38+00			3.00	EACH
 WL-Water Service Box & Cover Crew (5.00 EACH/DY, 0.60 DY, 8.00 HR/DY)			3.00	EACH
 Truck - Crew			4.80	HR
 Backhoe - Light			4.80	HR
 Water Truck - 2000 Gal			4.80	HR
 Foreman			4.80	HR
 Operator: Small Equipment			4.80	HR
 Pipelayer			4.80	HR
 Laborer			4.80	HR
 Water Truck Driver			4.80	HR
 Material Per Bid Item			1.00	LS
 Aggregate - ABC MAG Spec	100AA00003		1.65	TON
 Chandler Blvd Sta 38+00 To Sta 42+50			2.00	EACH
 WL-Water Service Box & Cover Crew (5.00 EACH/DY, 0.40 DY, 8.00 HR/DY)			2.00	EACH
 Truck - Crew			3.20	HR
 Backhoe - Light			3.20	HR
 Water Truck - 2000 Gal			3.20	HR
 Foreman			3.20	HR
 Operator: Small Equipment			3.20	HR
 Pipelayer			3.20	HR
 Laborer			3.20	HR
 Water Truck Driver			3.20	HR
 Material Per Bid Item			1.00	LS
 Aggregate - ABC MAG Spec	100AA00003		1.10	TON
 Chandler Blvd Sta 47+50 To Sta 52+50			3.00	EACH
 WL-Water Service Box & Cover Crew (5.00 EACH/DY, 0.60 DY, 8.00 HR/DY)			3.00	EACH
 Truck - Crew			4.80	HR
 Backhoe - Light			4.80	HR
 Water Truck - 2000 Gal			4.80	HR
 Foreman			4.80	HR
 Operator: Small Equipment			4.80	HR
 Pipelayer			4.80	HR
 Laborer			4.80	HR
 Water Truck Driver			4.80	HR
 Material Per Bid Item			1.00	LS
 Aggregate - ABC MAG Spec	100AA00003		1.65	TON
 Chandler Blvd Sta 57+50 To Sta 61+50			3.00	EACH
 WL-Water Service Box & Cover Crew (5.00 EACH/DY, 0.60 DY, 8.00 HR/DY)			3.00	EACH

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 24 - Remove Existing Water Meter & Salvage Meter To City continued)				
 Truck - Crew			4.80	HR
 Backhoe - Light			4.80	HR
 Water Truck - 2000 Gal			4.80	HR
 Foreman			4.80	HR
 Operator: Small Equipment			4.80	HR
 Pipelayer			4.80	HR
 Laborer			4.80	HR
 Water Truck Driver			4.80	HR
 Material Per Bid Item			1.00	LS
 Aggregate - ABC MAG Spec	100AA00003		1.65	TON
 Chandler Blvd Sta 61+50 To Sta 66+50			3.00	EACH
 WL-Water Service Box & Cover Crew (5.00 EACH/DY, 0.60 DY, 8.00 HR/DY)			3.00	EACH
 Truck - Crew			4.80	HR
 Backhoe - Light			4.80	HR
 Water Truck - 2000 Gal			4.80	HR
 Foreman			4.80	HR
 Operator: Small Equipment			4.80	HR
 Pipelayer			4.80	HR
 Laborer			4.80	HR
 Water Truck Driver			4.80	HR
 Material Per Bid Item			1.00	LS
 Aggregate - ABC MAG Spec	100AA00003		1.65	TON
 Chandler Blvd Sta 66+50 To Sta71+00			1.00	EACH
 WL-Water Service Box & Cover Crew (5.00 EACH/DY, 0.20 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			1.60	HR
 Backhoe - Light			1.60	HR
 Water Truck - 2000 Gal			1.60	HR
 Foreman			1.60	HR
 Operator: Small Equipment			1.60	HR
 Pipelayer			1.60	HR
 Laborer			1.60	HR
 Water Truck Driver			1.60	HR
 Material Per Bid Item			1.00	LS
 Aggregate - ABC MAG Spec	100AA00003		0.55	TON
 Chandler Blvd Sta 28+00 To Sta 33+00			1.00	EACH
 WL-Water Service Box & Cover Crew (5.00 EACH/DY, 0.20 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			1.60	HR
 Backhoe - Light			1.60	HR
 Water Truck - 2000 Gal			1.60	HR
 Foreman			1.60	HR
 Operator: Small Equipment			1.60	HR
 Pipelayer			1.60	HR
 Laborer			1.60	HR
 Water Truck Driver			1.60	HR
 Material Per Bid Item			1.00	LS

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 24 - Remove Existing Water Meter & Salvage Meter To City continued)				
 Aggregate - ABC MAG Spec	100AA00003		0.55	TON
 Chandler Blvd Sta 57+50 To Sta 62+00			1.00	EACH
 WL-Water Service Box & Cover Crew (5.00 EACH/DY, 0.20 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			1.60	HR
 Backhoe - Light			1.60	HR
 Water Truck - 2000 Gal			1.60	HR
 Foreman			1.60	HR
 Operator: Small Equipment			1.60	HR
 Pipelayer			1.60	HR
 Laborer			1.60	HR
 Water Truck Driver			1.60	HR
 Material Per Bid Item			1.00	LS
 Aggregate - ABC MAG Spec	100AA00003		0.55	TON
 Trucking (1.00 DY, 2.13 Trucks, 2.13 EACH/HR)			17.00	EACH
 25 - Remove Existing Hydrant Assembly			11.00	EACH
 Chandler Blvd Sta 33+00 To Sta 38+00			1.00	EACH
 WL-Fire Hydrant Relocate Appurtenance Crew (3.00 EACH/DY, 0.33 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			2.67	HR
 Backhoe - Light			2.67	HR
 Water Truck - 2000 Gal			2.67	HR
 Foreman			2.67	HR
 Operator: Small Equipment			2.67	HR
 Pipelayer			2.67	HR
 Laborer			2.67	HR
 Water Truck Driver			2.67	HR
 Material Per Bid Item			1.00	LS
 Aggregate - ABC MAG Spec	100AA00003		3.30	TON
 Chandler Blvd Sta 47+50 To Sta 52+50			2.00	EACH
 WL-Fire Hydrant Relocate Appurtenance Crew (3.00 EACH/DY, 0.67 DY, 8.00 HR/DY)			2.00	EACH
 Truck - Crew			5.33	HR
 Backhoe - Light			5.33	HR
 Water Truck - 2000 Gal			5.33	HR
 Foreman			5.33	HR
 Operator: Small Equipment			5.33	HR
 Pipelayer			5.33	HR
 Laborer			5.33	HR
 Water Truck Driver			5.33	HR
 Material Per Bid Item			2.00	LS
 Aggregate - ABC MAG Spec	100AA00003		6.60	TON
 Chandler Blvd Sts 52+50 To Sta 57+50			2.00	EACH
 WL-Fire Hydrant Relocate Appurtenance Crew (3.00 EACH/DY, 0.67 DY, 8.00 HR/DY)			2.00	EACH
 Truck - Crew			5.33	HR
 Backhoe - Light			5.33	HR
 Water Truck - 2000 Gal			5.33	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 25 - Remove Existing Hydrant Assembly continued)				
 Foreman			5.33	HR
 Operator: Small Equipment			5.33	HR
 Pipelayer			5.33	HR
 Laborer			5.33	HR
 Water Truck Driver			5.33	HR
 Material Per Bid Item			2.00	LS
 Aggregate - ABC MAG Spec	100AA00003		6.60	TON
 Chandler Blvd Sta 57+50 To Sta 61+50			1.00	EACH
 WL-Fire Hydrant Relocate Appurtenance Crew (3.00 EACH/DY, 0.33 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			2.67	HR
 Backhoe - Light			2.67	HR
 Water Truck - 2000 Gal			2.67	HR
 Foreman			2.67	HR
 Operator: Small Equipment			2.67	HR
 Pipelayer			2.67	HR
 Laborer			2.67	HR
 Water Truck Driver			2.67	HR
 Material Per Bid Item			1.00	LS
 Aggregate - ABC MAG Spec	100AA00003		3.30	TON
 Chandler Blvd Sta 66+50 To Sta 71+00			1.00	EACH
 WL-Fire Hydrant Relocate Appurtenance Crew (3.00 EACH/DY, 0.33 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			2.67	HR
 Backhoe - Light			2.67	HR
 Water Truck - 2000 Gal			2.67	HR
 Foreman			2.67	HR
 Operator: Small Equipment			2.67	HR
 Pipelayer			2.67	HR
 Laborer			2.67	HR
 Water Truck Driver			2.67	HR
 Material Per Bid Item			1.00	LS
 Aggregate - ABC MAG Spec	100AA00003		3.30	TON
 Shoring	90200000		1.00	DY
 Chandler Blvd Sta 71+ 00 To Sta 76+00			2.00	EACH
 WL-Fire Hydrant Relocate Appurtenance Crew (3.00 EACH/DY, 0.67 DY, 8.00 HR/DY)			2.00	EACH
 Truck - Crew			5.33	HR
 Backhoe - Light			5.33	HR
 Water Truck - 2000 Gal			5.33	HR
 Foreman			5.33	HR
 Operator: Small Equipment			5.33	HR
 Pipelayer			5.33	HR
 Laborer			5.33	HR
 Water Truck Driver			5.33	HR
 Material Per Bid Item			2.00	LS
 Aggregate - ABC MAG Spec	100AA00003		6.60	TON
 Chandler Sta 33+00 To Sta 38+00			1.00	EACH

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 25 - Remove Existing Hydrant Assembly continued)				
 WL-Fire Hydrant Relocate Appurtenance Crew (3.00 EACH/DY, 0.33 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			2.67	HR
 Backhoe - Light			2.67	HR
 Water Truck - 2000 Gal			2.67	HR
 Foreman			2.67	HR
 Operator: Small Equipment			2.67	HR
 Pipelayer			2.67	HR
 Laborer			2.67	HR
 Water Truck Driver			2.67	HR
 Material Per Bid Item			1.00	LS
 Aggregate - ABC MAG Spec	100AA00003		3.30	TON
 Chandler Blvd Sta 57+50 To Sta 62+00			1.00	EACH
 WL-Fire Hydrant Relocate Appurtenance Crew (3.00 EACH/DY, 0.33 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			2.67	HR
 Backhoe - Light			2.67	HR
 Water Truck - 2000 Gal			2.67	HR
 Foreman			2.67	HR
 Operator: Small Equipment			2.67	HR
 Pipelayer			2.67	HR
 Laborer			2.67	HR
 Water Truck Driver			2.67	HR
 Material Per Bid Item			1.00	LS
 Aggregate - ABC MAG Spec	100AA00003		3.30	TON
 Trucking (1.00 DY, 0.50 Trucks, 0.25 EACH/HR)			2.00	EACH
 26 - Remove 12-inch CIP			127.00	LF
 Remove And Replace 12-Inch CIP			127.00	LF
 WL- Waterline Crew (100.00 LF/DY, 1.27 DY, 8.00 HR/DY)			127.00	LF
 Truck - Crew			10.16	HR
 Excavator - 35k LB			10.16	HR
 Backhoe - Light			10.16	HR
 Dump Truck - 10 Wheel			10.16	HR
 Water Truck - 2000 Gal			10.16	HR
 Foreman			10.16	HR
 Operator: Large Equipment [2]			10.16	HR
 Pipelayer			10.16	HR
 Laborer [2]			10.16	HR
 Truck Driver			10.16	HR
 Water Truck Driver			10.16	HR
 Shoring	90200000		2.00	DY
 Metal Dump Fee			1.00	LS
 Pipe Trailer			0.00	HR
 27 - Remove 12-inch ACP			91.00	LF
 Remove And Replace 12-Inch ACP			91.00	LF
 WL- Waterline Crew (100.00 LF/DY, 0.91 DY, 8.00 HR/DY)			91.00	LF
 Truck - Crew			7.28	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 27 - Remove 12-inch ACP continued)				
 Excavator - 35k LB			7.28	HR
 Backhoe - Light			7.28	HR
 Dump Truck - 10 Wheel			7.28	HR
 Water Truck - 2000 Gal			7.28	HR
 Foreman			7.28	HR
 Operator: Large Equipment [2]			7.28	HR
 Pipelayer			7.28	HR
 Laborer [2]			7.28	HR
 Truck Driver			7.28	HR
 Water Truck Driver			7.28	HR
 Pipe Trailer			7.28	HR
 Shoring	90200000		1.00	DY
 Subcontracted-40 Yard Roll Off			1.00	TRIP
 Subcontracted-Asbestos Dump Fee			1.00	TRIP
D 28 - Cut & Plug 6-inch Watermain			6.00	EACH
 Chandler Blvd Sta 47+50 To Sta 52+50			3.00	EACH
 WL- Waterline Crew (2.00 EACH/DY, 1.50 DY, 8.00 HR/DY)			3.00	EACH
 Truck - Crew			12.00	HR
 Backhoe - Light			12.00	HR
 Dump Truck - 10 Wheel [0.5]			12.00	HR
 Water Truck - 2000 Gal [0.5]			12.00	HR
 Foreman			12.00	HR
 Operator: Large Equipment [2]			12.00	HR
 Pipelayer			12.00	HR
 Laborer [2]			12.00	HR
 Truck Driver [0.5]			12.00	HR
 Water Truck Driver [0.5]			12.00	HR
 Excavator - 20k LB			12.00	HR
 Aggregate - ABC MAG Spec	100AA00003		3.30	TON
 Chandler Blvd Sta 66+50 To St 76+00			3.00	EACH
 WL- Waterline Crew (2.00 EACH/DY, 1.50 DY, 8.00 HR/DY)			3.00	EACH
 Truck - Crew			12.00	HR
 Backhoe - Light			12.00	HR
 Dump Truck - 10 Wheel [0.5]			12.00	HR
 Water Truck - 2000 Gal [0.5]			12.00	HR
 Foreman			12.00	HR
 Operator: Large Equipment [2]			12.00	HR
 Pipelayer			12.00	HR
 Laborer [2]			12.00	HR
 Truck Driver [0.5]			12.00	HR
 Water Truck Driver [0.5]			12.00	HR
 Excavator - 20k LB			12.00	HR
 Aggregate - ABC MAG Spec	100AA00003		3.30	TON
 Material Per Bid Item Caps, Piping, DIP And Long Body			6.00	LS
 Ready Mix Concrete			31.50	BAG
 Trucking (3.50 DY, 0.30 Trucks, 0.21 EACH/HR)			6.00	EACH
D 29 - Cut & Plug 8-inch Watermain			5.00	EACH

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 29 - Cut & Plug 8-inch Watermain continued)				
 Chandler Blvd Sta 38+00 To Sta 42+50			1.00	EACH
 Aggregate - ABC MAG Spec	100AA00003		1.10	TON
 WL- Waterline Crew (2.00 EACH/DY, 0.50 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			4.00	HR
 Backhoe - Light			4.00	HR
 Dump Truck - 10 Wheel [0.5]			4.00	HR
 Water Truck - 2000 Gal [0.5]			4.00	HR
 Foreman			4.00	HR
 Operator: Large Equipment [2]			4.00	HR
 Pipelayer			4.00	HR
 Laborer [2]			4.00	HR
 Truck Driver [0.5]			4.00	HR
 Water Truck Driver [0.5]			4.00	HR
 Excavator - 20k LB			4.00	HR
 Chandler Blvd Sta 42+50 To Sta 47+50			2.00	EACH
 Aggregate - ABC MAG Spec	100AA00003		2.20	TON
 WL- Waterline Crew (2.00 EACH/DY, 1.00 DY, 8.00 HR/DY)			2.00	EACH
 Truck - Crew			8.00	HR
 Backhoe - Light			8.00	HR
 Dump Truck - 10 Wheel [0.5]			8.00	HR
 Water Truck - 2000 Gal [0.5]			8.00	HR
 Foreman			8.00	HR
 Operator: Large Equipment [2]			8.00	HR
 Pipelayer			8.00	HR
 Laborer [2]			8.00	HR
 Truck Driver [0.5]			8.00	HR
 Water Truck Driver [0.5]			8.00	HR
 Excavator - 20k LB			8.00	HR
 Chandler Blvd Sta 71+00 To Sta 76+00			2.00	EACH
 Aggregate - ABC MAG Spec	100AA00003		2.20	TON
 WL- Waterline Crew (2.00 EACH/DY, 1.00 DY, 8.00 HR/DY)			2.00	EACH
 Truck - Crew			8.00	HR
 Backhoe - Light			8.00	HR
 Dump Truck - 10 Wheel [0.5]			8.00	HR
 Water Truck - 2000 Gal [0.5]			8.00	HR
 Foreman			8.00	HR
 Operator: Large Equipment [2]			8.00	HR
 Pipelayer			8.00	HR
 Laborer [2]			8.00	HR
 Truck Driver [0.5]			8.00	HR
 Water Truck Driver [0.5]			8.00	HR
 Excavator - 20k LB			8.00	HR
 Material Per Bid Item Caps, Piping, DIP And Long Body			5.00	LS
 Ready Mix Concrete			26.25	BAG
 Dump Fee - Dirt			5.00	LOAD
 Trucking (4.00 DY, 0.22 Trucks, 0.16 EACH/HR)			5.00	EACH
 30 - Cut & Plug 12-inch Watermain			11.00	EACH

Description	Job Cost ID	Task JC ID	Quantity	UM
<i>(Item 30 - Cut & Plug 12-inch Watermain continued)</i>				
 Chandler Blvd Sta 28+00 To Sta 33+00			2.00	EACH
 WL- Waterline Crew (2.00 EACH/DY, 1.00 DY, 8.00 HR/DY)			2.00	EACH
 Truck - Crew			8.00	HR
 Excavator - 35k LB			8.00	HR
 Backhoe - Light			8.00	HR
 Dump Truck - 10 Wheel			8.00	HR
 Water Truck - 2000 Gal			8.00	HR
 Foreman			8.00	HR
 Operator: Large Equipment [2]			8.00	HR
 Pipelayer			8.00	HR
 Laborer [2]			8.00	HR
 Truck Driver			8.00	HR
 Water Truck Driver			8.00	HR
 Aggregate - ABC MAG Spec	100AA00003		2.20	TON
 Chandler Blvd Sta 42+50 To Sta 47+50			2.00	EACH
 WL- Waterline Crew (2.00 EACH/DY, 1.00 DY, 8.00 HR/DY)			2.00	EACH
 Truck - Crew			8.00	HR
 Excavator - 35k LB			8.00	HR
 Backhoe - Light			8.00	HR
 Dump Truck - 10 Wheel			8.00	HR
 Water Truck - 2000 Gal			8.00	HR
 Foreman			8.00	HR
 Operator: Large Equipment [2]			8.00	HR
 Pipelayer			8.00	HR
 Laborer [2]			8.00	HR
 Truck Driver			8.00	HR
 Water Truck Driver			8.00	HR
 Aggregate - ABC MAG Spec	100AA00003		2.20	TON
 Chandler Blvd Sta 52+50 To Sta 57+50			2.00	EACH
 WL- Waterline Crew (2.00 EACH/DY, 1.00 DY, 8.00 HR/DY)			2.00	EACH
 Truck - Crew			8.00	HR
 Excavator - 35k LB			8.00	HR
 Backhoe - Light			8.00	HR
 Dump Truck - 10 Wheel			8.00	HR
 Water Truck - 2000 Gal			8.00	HR
 Foreman			8.00	HR
 Operator: Large Equipment [2]			8.00	HR
 Pipelayer			8.00	HR
 Laborer [2]			8.00	HR
 Truck Driver			8.00	HR
 Water Truck Driver			8.00	HR
 Aggregate - ABC MAG Spec	100AA00003		2.20	TON
 Chandler Blvd Sta 57+50 To Sta 61+50			2.00	EACH
 WL- Waterline Crew (2.00 EACH/DY, 1.00 DY, 8.00 HR/DY)			2.00	EACH
 Truck - Crew			8.00	HR
 Excavator - 35k LB			8.00	HR
 Backhoe - Light			8.00	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
<i>(Item 30 - Cut & Plug 12-inch Watermain continued)</i>				
 Dump Truck - 10 Wheel			8.00	HR
 Water Truck - 2000 Gal			8.00	HR
 Foreman			8.00	HR
 Operator: Large Equipment [2]			8.00	HR
 Pipelayer			8.00	HR
 Laborer [2]			8.00	HR
 Truck Driver			8.00	HR
 Water Truck Driver			8.00	HR
 Aggregate - ABC MAG Spec	100AA00003		2.20	TON
 Chandler Blvd Sta 28+00 To Sta 33+00			2.00	EACH
 WL- Waterline Crew (2.00 EACH/DY, 1.00 DY, 8.00 HR/DY)			2.00	EACH
 Truck - Crew			8.00	HR
 Excavator - 35k LB			8.00	HR
 Backhoe - Light			8.00	HR
 Dump Truck - 10 Wheel			8.00	HR
 Water Truck - 2000 Gal			8.00	HR
 Foreman			8.00	HR
 Operator: Large Equipment [2]			8.00	HR
 Pipelayer			8.00	HR
 Laborer [2]			8.00	HR
 Truck Driver			8.00	HR
 Water Truck Driver			8.00	HR
 Aggregate - ABC MAG Spec	100AA00003		2.20	TON
 Chandler Blvd Sta 57+50 To Sta 62+00			1.00	EACH
 WL- Waterline Crew (2.00 EACH/DY, 0.50 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			4.00	HR
 Excavator - 35k LB			4.00	HR
 Backhoe - Light			4.00	HR
 Dump Truck - 10 Wheel			4.00	HR
 Water Truck - 2000 Gal			4.00	HR
 Foreman			4.00	HR
 Operator: Large Equipment [2]			4.00	HR
 Pipelayer			4.00	HR
 Laborer [2]			4.00	HR
 Truck Driver			4.00	HR
 Water Truck Driver			4.00	HR
 Aggregate - ABC MAG Spec	100AA00003		0.55	TON
 Material Per Bid Item Caps, Piping, DIP And Long Body			12.00	LS
 Trucking (1.00 DY, 3.80 Trucks, 1.38 EACH/HR)			11.00	EACH
 Dump Fee - Dirt			11.00	LOAD
 Ready Mix Concrete			57.75	BAG
 31 - Remove 12-inch Gate Valve Backfill With 1/2 Sack CLSM			3.00	EACH
 Chandler Blvd Sta 28+00 To Sta 33+00			3.00	EACH
 WL-Water Service Box & Cover Crew (4.00 EACH/DY, 0.75 DY, 8.00 HR/DY)			3.00	EACH
 Truck - Crew			6.00	HR
 Backhoe - Light			6.00	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 31 - Remove 12-inch Gate Valve Backfill With 1/2 Sack CLSM continued)				
 Water Truck - 2000 Gal			6.00	HR
 Foreman			6.00	HR
 Operator: Small Equipment			6.00	HR
 Pipelayer			6.00	HR
 Laborer			6.00	HR
 Water Truck Driver			6.00	HR
 Pipe Trailer			6.00	HR
 Material Per Bid Item			3.00	LS
 Ready Mix - Slurry ABC Slurry 1/2 Sack	135AA00002		15.75	YARD
D 32 - Remove 12-Inch Gate Valve And Cover			7.00	EACH
 WL-Water Service Box & Cover Crew (4.00 EACH/DY, 1.75 DY, 8.00 HR/DY)			7.00	EACH
 Truck - Crew			14.00	HR
 Backhoe - Light			14.00	HR
 Water Truck - 2000 Gal			14.00	HR
 Foreman			14.00	HR
 Operator: Small Equipment			14.00	HR
 Pipelayer			14.00	HR
 Laborer			14.00	HR
 Water Truck Driver			14.00	HR
 Pipe Trailer			14.00	HR
 Material Per Bid Item			5.00	LS
D 34 - Remove 6-inch Gate Valve Backfill With 1/2 Sack CLSM			1.00	EACH
D Chandler Blvd Sta 28+00 To Sta 33+00			1.00	EACH
 WL-Water Service Box & Cover Crew (4.00 EACH/DY, 0.25 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			2.00	HR
 Backhoe - Light			2.00	HR
 Water Truck - 2000 Gal			2.00	HR
 Foreman			2.00	HR
 Operator: Small Equipment			2.00	HR
 Pipelayer			2.00	HR
 Laborer			2.00	HR
 Water Truck Driver			2.00	HR
 Pipe Trailer			2.00	HR
 Material Per Bid Item			1.00	LS
 Ready Mix - Slurry ABC Slurry 1/2 Sack	135AA00002		5.25	YARD
D 35 - Remove 24-inch SRP Irrigation Pipe			5.00	LF
D Waterline Intersection			5.00	LF
D Water Main Installation			5.00	LF
 WL- Waterline Crew (20.00 LF/DY, 0.25 DY, 8.00 HR/DY)			5.00	LF
 Truck - Crew			2.00	HR
 Excavator - 35k LB			2.00	HR
 Backhoe - Light			2.00	HR
 Dump Truck - 10 Wheel			2.00	HR
 Water Truck - 2000 Gal			2.00	HR
 Skid Steer with Cold Planer			2.00	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 35 - Remove 24-inch SRP Irrigation Pipe continued)				
 Operator: Large Equipment [2]			2.00	HR
 Pipelayer [2]			2.00	HR
 Laborer [2]			2.00	HR
 Truck Driver			2.00	HR
 Water Truck Driver			2.00	HR
 Foreman			2.00	HR
 Shoring	90200000		0.25	DY
 Excavator - 20k LB			2.00	HR
 Operator: Small Equipment			2.00	HR
D 36 - Cut & Plug 24-inch Irrigation Pipe			2.00	EACH
D Water Main Installation			2.00	EACH
 WL- Waterline Crew (4.00 EACH/DY, 0.50 DY, 8.00 HR/DY)			2.00	EACH
 Truck - Crew			4.00	HR
 Backhoe - Light			4.00	HR
 Dump Truck - 10 Wheel			4.00	HR
 Operator: Large Equipment			4.00	HR
 Pipelayer			4.00	HR
 Laborer			4.00	HR
 Truck Driver [0]			4.00	HR
 Water Truck Driver [0]			4.00	HR
 Foreman			4.00	HR
 Miscellaneous Pipe Plug Materials			1.00	LS
D 37 - 12-Inch Intersection Waterline Work			879.00	LF
D Waterline Intersection			879.00	LF
D Vertical Realignments			4.00	EACH
 Vertical Realignment (0.38 EACH/DY, 8.00 DY, 8.00 HR/DY)			3.00	EACH
 Truck - Crew			64.00	HR
 Excavator - 35k LB			64.00	HR
 Backhoe - Light			64.00	HR
 Dump Truck - 10 Wheel			64.00	HR
 Water Truck - 2000 Gal			64.00	HR
 Operator: Large Equipment [2]			64.00	HR
 Pipelayer [2]			64.00	HR
 Laborer [2]			64.00	HR
 Truck Driver			64.00	HR
 Water Truck Driver			64.00	HR
 Foreman			64.00	HR
 Skid Steer with Cold Planer			64.00	HR
 Shoring	90200000		8.00	DY
 Plates [20]	90200000		8.00	DY
 Pipe Trailer			64.00	HR
 NW Corner Vertical Realignment (0.25 EACH/DY, 4.00 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			32.00	HR
 Backhoe - Light			32.00	HR
 Dump Truck - 10 Wheel			32.00	HR
 Water Truck - 2000 Gal			32.00	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
<i>(Item 37 - 12-Inch Intersection Waterline Work continued)</i>				
 Operator: Large Equipment [2]			32.00	HR
 Pipelayer [2]			32.00	HR
 Laborer [2]			32.00	HR
 Truck Driver			32.00	HR
 Water Truck Driver			32.00	HR
 Foreman			32.00	HR
 Excavator - 75k LB			32.00	HR
 Shoring	90200000		4.00	DY
 Skid Steer with Cold Planer			32.00	HR
 Plates [20]	90200000		4.00	DY
 Pipe Trailer			32.00	HR
 Water Main Installation			879.00	LF
 WL- Waterline Crew (38.12 LF/DY, 17.00 DY, 8.00 HR/DY)			648.00	LF
 Truck - Crew			136.00	HR
 Excavator - 35k LB			136.00	HR
 Backhoe - Light			136.00	HR
 Dump Truck - 10 Wheel			136.00	HR
 Water Truck - 2000 Gal			136.00	HR
 Skid Steer with Cold Planer			136.00	HR
 Operator: Large Equipment [2]			136.00	HR
 Pipelayer [2]			136.00	HR
 Laborer [2]			136.00	HR
 Truck Driver			136.00	HR
 Water Truck Driver			136.00	HR
 Foreman			136.00	HR
 Shoring	90200000		17.00	DY
 Plates [20]	90200000		30.00	DY
 Pipe Trailer			136.00	HR
 NW Corner Installation (38.00 LF/DY, 6.08 DY, 8.00 HR/DY)			231.00	LF
 Truck - Crew			48.63	HR
 Excavator - 75k LB			48.63	HR
 Skid Steer with Cold Planer			48.63	HR
 Backhoe - Light			48.63	HR
 Dump Truck - 10 Wheel			48.63	HR
 Water Truck - 2000 Gal			48.63	HR
 Operator: Large Equipment [2]			48.63	HR
 Pipelayer [2]			48.63	HR
 Laborer [2]			48.63	HR
 Truck Driver			48.63	HR
 Water Truck Driver			48.63	HR
 Foreman			48.63	HR
 Shoring	90200000		6.08	DY
 Plates [20]	90200000		6.08	DY
 Pipe Trailer			48.63	HR
 Ready Mix - Slurry ABC Slurry 1/2 Sack	135AA00002		506.10	YARD
 Material Handling (Pipe, AB, Haul Off) (21.44 LF/DY, 41.00 DY, 8.00 HR/DY)			879.00	LF
 Wheel Loader - 40k LB			328.00	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 37 - 12-Inch Intersection Waterline Work continued)				
 Operator: Large Equipment			328.00	HR
 Water Truck Driver [0.5]			328.00	HR
 Water Truck - 2000 Gal [0.5]			328.00	HR
 Utility Conflicts			36.00	EACH
 Existing Utility Conflicts (6.00 EACH/DY, 6.00 DY, 8.00 HR/DY)			36.00	EACH
 Truck - Crew			48.00	HR
 Excavator - 35k LB			48.00	HR
 Backhoe - Light			48.00	HR
 Dump Truck - 10 Wheel			48.00	HR
 Water Truck - 2000 Gal			48.00	HR
 Excavator - 20k LB			48.00	HR
 Skid Steer with Cold Planer			48.00	HR
 Shoring	90200000		6.00	DY
 Plates	90200000		6.00	DY
 Operator: Large Equipment [2]			48.00	HR
 Pipelayer [2]			48.00	HR
 Laborer [2]			48.00	HR
 Truck Driver			48.00	HR
 Water Truck Driver			48.00	HR
 Foreman			48.00	HR
 Operator: Small Equipment			48.00	HR
 WL-Gate Valve 12in Appurtenance Crew (4.00 EACH/DY, 0.50 DY, 8.00 HR/DY)			2.00	EACH
 Truck - Crew			4.00	HR
 Backhoe - Light			4.00	HR
 Water Truck - 2000 Gal			4.00	HR
 Excavator - 35k LB			4.00	HR
 Dump Truck - 10 Wheel			4.00	HR
 Skid Steer with Cold Planer			4.00	HR
 Shoring	90200000		0.50	DY
 Plates [20]	90200000		0.50	DY
 Foreman			4.00	HR
 Operator: Large Equipment [2]			4.00	HR
 Pipelayer [2]			4.00	HR
 Laborer [2]			4.00	HR
 Water Truck Driver			4.00	HR
 Truck Driver			4.00	HR
 Pipe Trailer			4.00	HR
 Valve Adjustments (4.00 EACH/DY, 1.50 DY, 8.00 HR/DY)			6.00	EACH
 Truck - Crew			12.00	HR
 Air Compressor - 185CFM			12.00	HR
 Foreman			12.00	HR
 Laborer [2]			12.00	HR
 Soft Dig Support			879.00	LF
 GC-Combo Hydro Truck Crew (87.90 LF/DY, 10.00 DY, 8.00 HR/DY)			879.00	LF
 Combo Truck			80.00	HR
 Combo Truck Operator			80.00	HR
 Laborer			80.00	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 37 - 12-Inch Intersection Waterline Work continued)				
 Material Per Bid Item Pipe And Fittings			1.00	LS
 Trucking (5.50 DY, 9.99 Trucks, 19.98 LF/HR)			879.00	LF
 Dump Fee - Dirt			45.00	LOAD
 GC-Chlorine & Pressure Test	10090010		6.00	DY
 GC-Chlorine & Pressure Test Crew (1.00 DY/DY, 6.00 DY, 8.00 HR/DY)			6.00	DY
 Truck - Crew			48.00	HR
 Backhoe - Light			48.00	HR
 Water Truck - 2000 Gal			48.00	HR
 Hydrostatic Test Pump Trailer			48.00	HR
 Foreman			48.00	HR
 Operator: Small Equipment			48.00	HR
 Pipelayer			48.00	HR
 Laborer			48.00	HR
 Water Truck Driver			48.00	HR
 Subcontracted-Chlorine & Pressure Test			1.00	LS
 38 - 12-Inch Class 350 DIP Watermain W/Polywrap, Valves, Fittings, Vertical/Horizontal Alignment's, & Gate Valves Misc.			7,375.00	LF
 Material Per Bid Item			1.00	LS
 Vertical Realignment			1.00	LS
 39 - 8-inch Class 350 DIP Watermain With Polywrap, Fittings, And Valves			236.00	LF
 WL- Waterline Crew (49.78 LF/DY, 4.74 DY, 8.00 HR/DY)			236.00	LF
 Truck - Crew			37.93	HR
 Excavator - 35k LB			37.93	HR
 Backhoe - Light			37.93	HR
 Dump Truck - 10 Wheel			37.93	HR
 Water Truck - 2000 Gal			37.93	HR
 Excavator Compaction Wheel			37.93	HR
 Operator: Large Equipment			37.93	HR
 Pipelayer			37.93	HR
 Laborer [2]			37.93	HR
 Truck Driver			37.93	HR
 Water Truck Driver			37.93	HR
 Foreman			37.93	HR
 Operator: Small Equipment			37.93	HR
 Skid Steer with Cold Planer			37.93	HR
 Pipe Trailer			37.93	HR
 WL-Gate Valve 8in Appurtenance Crew (4.00 EACH/DY, 1.00 DY, 8.00 HR/DY)			4.00	EACH
 Truck - Crew			8.00	HR
 Dump Truck - 10 Wheel			8.00	HR
 Backhoe - Light			8.00	HR
 Water Truck - 2000 Gal			8.00	HR
 Excavator - 35k LB			8.00	HR
 Excavator Compaction Wheel			8.00	HR
 Foreman			8.00	HR
 Operator: Small Equipment			8.00	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
<i>(Item 39 - 8-inch Class 350 DIP Watermain With Polywrap, Fittings, And Valves continued)</i>				
 Pipelayer			8.00	HR
 Laborer [2]			8.00	HR
 Water Truck Driver			8.00	HR
 Truck Driver			8.00	HR
 Operator: Large Equipment			8.00	HR
 Skid Steer with Cold Planer			8.00	HR
 Pipe Trailer			8.00	HR
 Vertical Realignment (1.00 EACH/DY, 2.50 DY, 8.00 HR/DY)			2.50	EACH
 Truck - Crew			20.00	HR
 Excavator - 35k LB			20.00	HR
 Backhoe - Light			20.00	HR
 Dump Truck - 10 Wheel			20.00	HR
 Water Truck - 2000 Gal			20.00	HR
 Operator: Large Equipment			20.00	HR
 Pipelayer			20.00	HR
 Laborer [2]			20.00	HR
 Truck Driver			20.00	HR
 Water Truck Driver			20.00	HR
 Foreman			20.00	HR
 Operator: Small Equipment			20.00	HR
 Excavator Compaction Wheel			20.00	HR
 Skid Steer with Cold Planer			20.00	HR
 Pipe Trailer			20.00	HR
 Material Per Bid Item			1.00	LS
 Aggregate - ABC MAG Spec	100AA00003		180.40	TON
 Ready Mix - Slurry ABC Slurry 1/2 Sack	135AA00002		7.88	YARD
 Cement - Concrete Mix 60#	110ZZ00001		8.00	BAG
 Vertical Realignment			1.00	LS
 Shoring	90200000		11.00	DY
 Plates [8]	90200000		18.00	DY
 Trucking (5.00 DY, 0.63 Trucks, 5.90 LF/HR)			236.00	LF
 Dump Fee - Dirt			10.00	LOAD
 RH-Manhole Adjust Crew (4.00 EACH/DY, 1.00 DY, 8.00 HR/DY)			4.00	EACH
 Truck - Crew			8.00	HR
 Air Compressor - 185CFM			8.00	HR
 Foreman			8.00	HR
 Laborer [2]			8.00	HR

D	40 - 6-Inch Class 350 DIP Watermain W/Polywrap, Fittings, And Valves	321.00	LF
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 WL- Waterline Crew (36.25 LF/DY, 8.86 DY, 8.00 HR/DY)			321.00	LF
 Truck - Crew			70.84	HR
 Excavator - 20k LB			70.84	HR
 Backhoe - Light			70.84	HR
 Dump Truck - 10 Wheel			70.84	HR
 Water Truck - 2000 Gal			70.84	HR
 Excavator Compaction Wheel			70.84	HR
 Operator: Large Equipment			70.84	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 40 - 6-Inch Class 350 DIP Watermain W/Polywrap, Fittings, And Valves continued)				
 Pipelayer			70.84	HR
 Laborer [2]			70.84	HR
 Truck Driver			70.84	HR
 Water Truck Driver			70.84	HR
 Foreman			70.84	HR
 Operator: Small Equipment			70.84	HR
 Skid Steer with Cold Planer			70.84	HR
 Pipe Trailer			70.84	HR
 WL-Gate Valve 6in Appurtenance Crew (6.00 EACH/DY, 2.67 DY, 8.00 HR/DY)			16.00	EACH
 Truck - Crew			21.33	HR
 Backhoe - Light			21.33	HR
 Water Truck - 2000 Gal			21.33	HR
 Dump Truck - 10 Wheel			21.33	HR
 Excavator - 20k LB			21.33	HR
 Excavator Compaction Wheel			21.33	HR
 Foreman			21.33	HR
 Operator: Small Equipment			21.33	HR
 Pipelayer			21.33	HR
 Laborer [2]			21.33	HR
 Water Truck Driver			21.33	HR
 Truck Driver			21.33	HR
 Operator: Large Equipment			21.33	HR
 Skid Steer with Cold Planer			21.33	HR
 Pipe Trailer			21.33	HR
 Vertical Realignment (1.00 EACH/DY, 4.50 DY, 8.00 HR/DY)			4.50	EACH
 Truck - Crew			36.00	HR
 Backhoe - Light			36.00	HR
 Dump Truck - 10 Wheel			36.00	HR
 Water Truck - 2000 Gal			36.00	HR
 Excavator - 20k LB			36.00	HR
 Operator: Large Equipment			36.00	HR
 Pipelayer			36.00	HR
 Laborer [2]			36.00	HR
 Truck Driver			36.00	HR
 Water Truck Driver			36.00	HR
 Foreman			36.00	HR
 Operator: Small Equipment			36.00	HR
 Skid Steer with Cold Planer			36.00	HR
 Pipe Trailer			36.00	HR
 Shoring	90200000		12.00	DY
 Plates [8]	90200000		12.00	DY
 Material Per Bid Item			1.00	LS
 Aggregate - ABC MAG Spec	100AA00003		227.70	TON
 Ready Mix - Slurry ABC Slurry 1/2 Sack	135AA00002		18.90	YARD
 Cement - Concrete Mix 60#	110ZZ00001		35.00	BAG
 Trucking (4.00 DY, 1.06 Trucks, 10.03 LF/HR)			321.00	LF
 Dump Fee - Dirt			4.00	LOAD

Description		Job Cost ID	Task JC ID	Quantity	UM
(Item 40 - 6-Inch Class 350 DIP Watermain W/Polywrap, Fittings, And Valves continued)					
	Vertical Realignment			1.00	LS
	RH-Manhole Adjust Crew (4.00 EACH/DY, 4.00 DY, 8.00 HR/DY)			16.00	EACH
	Truck - Crew			32.00	HR
	Air Compressor - 185CFM			32.00	HR
	Foreman			32.00	HR
	Laborer [2]			32.00	HR
	41 - 4-inch Class 350 DIP Watermain W/PolyWrap			44.00	LF
	WL- Waterline Crew (44.00 LF/DY, 1.00 DY, 8.00 HR/DY)			44.00	LF
	Truck - Crew			8.00	HR
	Backhoe - Light			8.00	HR
	Dump Truck - 10 Wheel			8.00	HR
	Water Truck - 2000 Gal			8.00	HR
	Excavator Compaction Wheel			8.00	HR
	Operator: Large Equipment [2]			8.00	HR
	Pipelaye			8.00	HR
	Laborer [2]			8.00	HR
	Truck Driver			8.00	HR
	Water Truck Driver			8.00	HR
	Foreman			8.00	HR
	Excavator - 20k LB			8.00	HR
	Pipe Trailer			8.00	HR
	WL-Gate Valve 4in Appurtenance Crew (4.00 EACH/DY, 0.50 DY, 8.00 HR/DY)			2.00	EACH
	Truck - Crew			4.00	HR
	Excavator - 20k LB			4.00	HR
	Backhoe - Light			4.00	HR
	Water Truck - 2000 Gal			4.00	HR
	Dump Truck - 10 Wheel			4.00	HR
	Foreman			4.00	HR
	Operator: Small Equipment [2]			4.00	HR
	Pipelaye [2]			4.00	HR
	Laborer [2]			4.00	HR
	Water Truck Driver			4.00	HR
	Truck Driver			4.00	HR
	Pipe Trailer			4.00	HR
	Material Per Bid Item			1.00	LS
	Aggregate - ABC MAG Spec	100AA00003		22.00	TON
	Shoring	90200000		3.00	DY
	Plates [4]	90200000		3.00	DY
	Trucking (1.00 DY, 0.52 Trucks, 5.50 LF/HR)			44.00	LF
	Dump Fee - Dirt			1.00	LOAD
	42 - Install 12-inch Perma Seal Valve			3.00	EACH
	GC-Combo Hydro Truck Crew (1.00 EACH/DY, 3.00 DY, 8.00 HR/DY)			3.00	EACH
	Combo Truck			24.00	HR
	Combo Truck Operator			30.00	HR
	Laborer			30.00	HR
	WL- Waterline Crew (0.75 EACH/DY, 4.00 DY, 8.00 HR/DY)			3.00	EACH

Description		Job Cost ID	Task JC ID	Quantity	UM
(Item 42 - Install 12-inch Perma Seal Valve continued)					
 Truck - Crew				32.00	HR
 Excavator - 35k LB				32.00	HR
 Backhoe - Light				32.00	HR
 Dump Truck - 10 Wheel				32.00	HR
 Water Truck - 2000 Gal				32.00	HR
 Operator: Large Equipment [2]				32.00	HR
 Pipelayer [2]				32.00	HR
 Laborer [2]				32.00	HR
 Truck Driver				32.00	HR
 Water Truck Driver				32.00	HR
 Foreman				32.00	HR
 Material Per Bid Item				1.00	LS
 Shoring		90200000		6.00	DY
 Subcontracted-Mueller Valve Sub				3.00	EACH
 Trucking (1.00 DY, 0.75 Trucks, 0.38 EACH/HR)				3.00	EACH
 Dump Fee - Dirt				3.00	LOAD
D 43 - Install 12-inch Inserta Valve Romac Industries Or Approved Equivalent				3.00	EACH
 WL- Waterline Crew (0.75 EACH/DY, 4.00 DY, 8.00 HR/DY)				3.00	EACH
 Truck - Crew				32.00	HR
 Excavator - 35k LB				32.00	HR
 Backhoe - Light				32.00	HR
 Dump Truck - 10 Wheel				32.00	HR
 Water Truck - 2000 Gal				32.00	HR
 Excavator - 20k LB				32.00	HR
 Excavator Compaction Wheel				32.00	HR
 Operator: Large Equipment [2]				32.00	HR
 Pipelayer [2]				32.00	HR
 Laborer [2]				32.00	HR
 Truck Driver				32.00	HR
 Water Truck Driver				32.00	HR
 Foreman				32.00	HR
 Operator: Small Equipment				32.00	HR
 GC-Combo Hydro Truck Crew (1.00 EACH/DY, 3.00 DY, 8.00 HR/DY)				3.00	EACH
 Combo Truck				24.00	HR
 Combo Truck Operator				30.00	HR
 Laborer				30.00	HR
 Material Per Bid Item				1.00	LS
 Shoring		90200000		6.00	DY
 Subcontracted-Inserta Valve Sub				3.00	EACH
 Trucking (1.00 DY, 1.04 Trucks, 0.38 EACH/HR)				3.00	EACH
 Dump Fee - Dirt				3.00	LOAD
 Ready Mix - Slurry ABC Slurry 1/2 Sack		135AA00002		31.50	YARD
D 44 - 12X12 Cut In Tee				1.00	EACH
 WL- Waterline Crew (0.50 EACH/DY, 2.00 DY, 8.00 HR/DY)				1.00	EACH
 Truck - Crew				16.00	HR
 Excavator - 35k LB				16.00	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 44 - 12X12 Cut In Tee continued)				
 Backhoe - Light			16.00	HR
 Dump Truck - 10 Wheel			16.00	HR
 Water Truck - 2000 Gal			16.00	HR
 Operator: Large Equipment [2]			16.00	HR
 Pipelayer			16.00	HR
 Laborer [2]			16.00	HR
 Truck Driver			16.00	HR
 Water Truck Driver			16.00	HR
 Foreman			16.00	HR
 Excavator Compaction Wheel			16.00	HR
 Pipe Trailer			16.00	HR
 Material Per Bid Item			1.00	LS
 Aggregate - ABC MAG Spec	100AA00003		11.00	TON
 Shoring	90200000		3.00	DY
 GC-Combo Hydro Truck Crew (1.00 EACH/DY, 1.00 DY, 8.00 HR/DY)			1.00	EACH
 Combo Truck			8.00	HR
 Combo Truck Operator			10.00	HR
 Laborer			10.00	HR
D 45 - Install 16-inch Gate Valve			1.00	EACH
 WL- Waterline Crew (2.00 EACH/DY, 0.50 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			4.00	HR
 Excavator - 35k LB			4.00	HR
 Backhoe - Light			4.00	HR
 Dump Truck - 10 Wheel			4.00	HR
 Water Truck - 2000 Gal			4.00	HR
 Operator: Large Equipment [2]			4.00	HR
 Pipelayer			4.00	HR
 Laborer [2]			4.00	HR
 Truck Driver			4.00	HR
 Water Truck Driver			4.00	HR
 Foreman			4.00	HR
 Pipe Trailer			4.00	HR
 Material Per Bid Item			1.00	LS
 Shoring	90200000		3.00	DY
D 46 - Install 16 X 8 Tee			1.00	EACH
 WL- Waterline Crew (0.50 EACH/DY, 2.00 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			16.00	HR
 Excavator - 35k LB			16.00	HR
 Backhoe - Light			16.00	HR
 Dump Truck - 10 Wheel			16.00	HR
 Water Truck - 2000 Gal			16.00	HR
 Operator: Large Equipment [2]			16.00	HR
 Pipelayer			16.00	HR
 Laborer [2]			16.00	HR
 Truck Driver			16.00	HR
 Water Truck Driver			16.00	HR
 Foreman			16.00	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 46 - Install 16 X 8 Tee continued)				
 Pipe Trailer			16.00	HR
 Material Per Bid Item			1.00	LS
 Ready Mix - Slurry ABC Slurry 1/2 Sack	135AA00002		21.00	YARD
 Trucking (1.00 DY, 0.50 Trucks, 0.13 EACH/HR)			1.00	EACH
 Shoring	90200000		5.00	DY
 GC-Combo Hydro Truck Crew (1.00 EACH/DY, 1.00 DY, 8.00 HR/DY)			1.00	EACH
 Combo Truck			8.00	HR
 Combo Truck Operator			10.00	HR
 Laborer			10.00	HR
D 47 - Note 29 Thrust Block Installation @ Intersection			4.00	EACH
 Thrust Blocks (5'6"x2'4"x4'0")			4.00	EACH
 CP-Concrete Replace Crew (1.00 EACH/DY, 4.00 DY, 8.00 HR/DY)			4.00	EACH
 Truck - Crew			32.00	HR
 Backhoe - Light			32.00	HR
 Water Truck - 2000 Gal			32.00	HR
 Foreman			32.00	HR
 Operator: Small Equipment			32.00	HR
 Pipelayer			32.00	HR
 Laborer			32.00	HR
 Water Truck Driver			32.00	HR
 Box Trailer			32.00	HR
 Material Per Bid Item			4.00	LS
 Ready Mix Concrete - MAG B 2500	135ZZ00004		10.50	CY
 Form, Cure, Stakes			1.00	LS
 Rebar - # 4 (1/2in) 10ft	140ZZ00003		4.40	EACH
D 48 - Thrust Block On Chandler Blvd			8.00	EACH
 Thrust Blocks (3'0"x1'8"x2'0")			8.00	EACH
 Ready Mix Concrete - MAG B 2500	135ZZ00004		8.40	CY
 Rebar - # 4 (1/2in) 10ft	140ZZ00003		8.80	EACH
 CP-Concrete Replace Crew (2.00 EACH/DY, 4.00 DY, 8.00 HR/DY)			8.00	EACH
 Truck - Crew			32.00	HR
 Backhoe - Light			32.00	HR
 Foreman			32.00	HR
 Operator: Small Equipment			32.00	HR
 Laborer			32.00	HR
 Concrete Finisher [2]			32.00	HR
 Box Trailer			32.00	HR
 Material Per Bid Item			8.00	LS
 Concrete - Short Load Fee			8.00	EACH
D 49 - Concrete Encasement			39.00	LF
 Concrete Encasement			39.00	LF
 Encasement W1 35' X			39.00	LF
 CP-Concrete Replace Crew (0.33 EACH/DY, 3.00 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			24.00	HR
 Backhoe - Light			24.00	HR
 Foreman			24.00	HR
 Operator: Small Equipment			24.00	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 49 - Concrete Encasement continued)				
 Laborer [2]			24.00	HR
 Concrete Finisher			24.00	HR
 Box Trailer			24.00	HR
 Material Per Bid Item			1.00	LS
 Ready Mix Concrete - MAG C 2000	135ZZ00005		7.35	CY
 Rebar - # 4 (1/2in) 10ft	140ZZ00003		1.10	EACH
D 50 - Connect To Existing 12-inch Watermain ACP To DIP Transition Coupling			5.00	EACH
 WL- Waterline Crew (1.00 EACH/DY, 5.00 DY, 8.00 HR/DY)			5.00	EACH
 Truck - Crew			40.00	HR
 Excavator - 35k LB			40.00	HR
 Backhoe - Light			40.00	HR
 Dump Truck - 10 Wheel			40.00	HR
 Water Truck - 2000 Gal			40.00	HR
 Excavator Compaction Wheel			40.00	HR
 Operator: Large Equipment			40.00	HR
 Pipelayer			40.00	HR
 Laborer [2]			40.00	HR
 Truck Driver			40.00	HR
 Water Truck Driver			40.00	HR
 Foreman			40.00	HR
 Operator: Small Equipment			40.00	HR
 Pipe Trailer			40.00	HR
 GC-Combo Hydro Truck Crew (2.00 EACH/DY, 2.50 DY, 8.00 HR/DY)			5.00	EACH
 Combo Truck			20.00	HR
 Combo Truck Operator			25.00	HR
 Laborer			25.00	HR
 Material Per Bid Item			5.00	LS
 Aggregate - ABC MAG Spec	100AA00003		27.50	TON
 Shoring	90200000		6.00	DY
 Plates [6]	90200000		5.00	DY
 Trucking (3.00 DY, 0.58 Trucks, 0.21 EACH/HR)			5.00	EACH
 Dump Fee - Dirt			5.00	LOAD
 Cement - Concrete Mix 60#	110ZZ00001		30.00	BAG
D 51 - Connect To Existing 12-inch Watermain			6.00	EACH
 WL- Waterline Crew (1.25 EACH/DY, 4.80 DY, 8.00 HR/DY)			6.00	EACH
 Truck - Crew			38.40	HR
 Excavator - 35k LB			38.40	HR
 Backhoe - Light			38.40	HR
 Dump Truck - 10 Wheel			38.40	HR
 Water Truck - 2000 Gal			38.40	HR
 Excavator Compaction Wheel			38.40	HR
 Operator: Large Equipment			38.40	HR
 Pipelayer			38.40	HR
 Laborer [2]			38.40	HR
 Truck Driver			38.40	HR
 Water Truck Driver			38.40	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 51 - Connect To Existing 12-inch Watermain continued)				
 Foreman			38.40	HR
 Operator: Small Equipment			38.40	HR
 Pipe Trailer			38.40	HR
 GC-Combo Hydro Truck Crew (2.00 EACH/DY, 3.00 DY, 8.00 HR/DY)			6.00	EACH
 Combo Truck			24.00	HR
 Combo Truck Operator			36.00	HR
 Laborer			36.00	HR
 Material Per Bid Item			6.00	LS
 Aggregate - ABC MAG Spec	100AA00003		33.00	TON
 Shoring	90200000		11.00	DY
 Plates [6]	90200000		5.00	DY
 Trucking (3.00 DY, 0.69 Trucks, 0.25 EACH/HR)			6.00	EACH
 Dump Fee - Dirt [6]			0.00	LOAD
D 53 - Connect To Existing 8-inch PVC Watermain To DIP Transition Coupling			2.00	EACH
 WL- Waterline Crew (2.00 EACH/DY, 1.00 DY, 8.00 HR/DY)			2.00	EACH
 Truck - Crew			8.00	HR
 Excavator - 20k LB			8.00	HR
 Backhoe - Light			8.00	HR
 Dump Truck - 10 Wheel			8.00	HR
 Water Truck - 2000 Gal			8.00	HR
 Operator: Large Equipment			8.00	HR
 Pipelayer			8.00	HR
 Laborer [2]			8.00	HR
 Truck Driver			8.00	HR
 Water Truck Driver			8.00	HR
 Foreman			8.00	HR
 Operator: Small Equipment			8.00	HR
 Excavator Compaction Wheel			8.00	HR
 Pipe Trailer			8.00	HR
 GC-Combo Hydro Truck Crew (2.00 EACH/DY, 1.00 DY, 8.00 HR/DY)			2.00	EACH
 Combo Truck			8.00	HR
 Combo Truck Operator			10.00	HR
 Laborer			10.00	HR
 Material Per Bid Item			2.00	LS
 Aggregate - ABC MAG Spec	100AA00003		5.50	TON
 Shoring [3]	90200000		2.00	DY
 Plates [3]	90200000		5.00	DY
 Trucking (1.00 DY, 0.69 Trucks, 0.25 EACH/HR)			2.00	EACH
 Dump Fee - Dirt			2.00	LOAD
D 54 - Connect To Existing 6" ACP Watermain ACP To DIP Coupling			4.00	EACH
 WL- Waterline Crew (1.50 EACH/DY, 2.67 DY, 8.00 HR/DY)			4.00	EACH
 Truck - Crew			21.33	HR
 Backhoe - Light			21.33	HR
 Dump Truck - 10 Wheel			21.33	HR
 Water Truck - 2000 Gal			21.33	HR
 Operator: Large Equipment			21.33	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 54 - Connect To Existing 6" ACP Watermain ACP To DIP Coupling continued)				
 Pipelayer			21.33	HR
 Laborer [2]			21.33	HR
 Truck Driver			21.33	HR
 Water Truck Driver			21.33	HR
 Foreman			21.33	HR
 Operator: Small Equipment			21.33	HR
 Excavator - 20k LB			21.33	HR
 Excavator Compaction Wheel			21.33	HR
 Pipe Trailer			21.33	HR
 GC-Combo Hydro Truck Crew (2.00 EACH/DY, 2.00 DY, 8.00 HR/DY)			4.00	EACH
 Combo Truck			16.00	HR
 Combo Truck Operator			20.00	HR
 Laborer			20.00	HR
 Material Per Bid Item			4.00	LS
 Aggregate - ABC MAG Spec	100AA00003		13.20	TON
 Shoring	90200000		5.00	DY
 Trucking (1.00 DY, 1.38 Trucks, 0.50 EACH/HR)			4.00	EACH
 Dump Fee - Dirt			4.00	LOAD
 Plates	90200000		6.00	DY
 Cement - Concrete Mix 60#	110ZZ00001		30.00	BAG
D 55 - Connect To Existing 6-inch Watermain Not ACP			1.00	EACH
 WL- Waterline Crew (2.00 EACH/DY, 0.50 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			4.00	HR
 Backhoe - Light			4.00	HR
 Dump Truck - 10 Wheel			4.00	HR
 Water Truck - 2000 Gal			4.00	HR
 Operator: Large Equipment			4.00	HR
 Pipelayer			4.00	HR
 Laborer [2]			4.00	HR
 Truck Driver			4.00	HR
 Water Truck Driver			4.00	HR
 Foreman			4.00	HR
 Operator: Small Equipment			4.00	HR
 Excavator - 20k LB			4.00	HR
 Excavator Compaction Wheel			4.00	HR
 Pipe Trailer			4.00	HR
 GC-Combo Hydro Truck Crew (2.00 EACH/DY, 0.50 DY, 8.00 HR/DY)			1.00	EACH
 Combo Truck			4.00	HR
 Combo Truck Operator			5.00	HR
 Laborer			5.00	HR
 Material Per Bid Item			1.00	LS
 Aggregate - ABC MAG Spec	100AA00003		3.30	TON
 Shoring	90200000		1.00	DY
 Trucking (1.00 DY, 0.35 Trucks, 0.13 EACH/HR)			1.00	EACH
 Plates	90200000		2.00	DY
 Dump Fee - Dirt			1.00	LOAD
D 56 - Connect To Existing 4" DIP Main			2.00	EACH

Description		Job Cost ID	Task JC ID	Quantity	UM
(Item 56 - Connect To Existing 4" DIP Main continued)					
 WL- Waterline Crew (2.00 EACH/DY, 1.00 DY, 8.00 HR/DY)				2.00	EACH
 Truck - Crew				8.00	HR
 Backhoe - Light				8.00	HR
 Dump Truck - 10 Wheel				8.00	HR
 Water Truck - 2000 Gal				8.00	HR
 Operator: Large Equipment				8.00	HR
 Pipelayer				8.00	HR
 Laborer [2]				8.00	HR
 Truck Driver				8.00	HR
 Water Truck Driver				8.00	HR
 Foreman				8.00	HR
 Operator: Small Equipment				8.00	HR
 Excavator - 20k LB				8.00	HR
 Excavator Compaction Wheel				8.00	HR
 Pipe Trailer				8.00	HR
 GC-Combo Hydro Truck Crew (2.00 EACH/DY, 1.00 DY, 8.00 HR/DY)				2.00	EACH
 Combo Truck				8.00	HR
 Combo Truck Operator				10.00	HR
 Laborer				10.00	HR
 Material Per Bid Item				1.00	LS
 Aggregate - ABC MAG Spec		100AA00003		6.60	TON
 Shoring		90200000		1.00	DY
 Trucking (1.00 DY, 0.69 Trucks, 0.25 EACH/HR)				2.00	EACH
 Plates [2]		90200000		2.00	DY
 Dump Fee - Dirt				2.00	LOAD
D 57 - Fire Hydrant Assembly COC Standard Detail C-303 & C-305				11.00	EACH
 WL- Fire Hydrant Domestic Water Wet Barrel Crew (1.00 EACH/DY, 11.00 DY, 8.00 HR/DY)				11.00	EACH
 Truck - Crew				88.00	HR
 Excavator - 10k LB				88.00	HR
 Backhoe - Light				88.00	HR
 Pipe Trailer				88.00	HR
 Water Truck - 2000 Gal [0.5]				88.00	HR
 Foreman				88.00	HR
 Operator: Large Equipment				88.00	HR
 Operator: Small Equipment				88.00	HR
 Pipelayer				88.00	HR
 Laborer [2]				88.00	HR
 Water Truck Driver [0.5]				88.00	HR
 Material Per Bid Item				1.00	LS
 Aggregate - ABC MAG Spec		100AA00003		24.20	TON
D 58 - 4-inch Bollard Type 1 COC Standard Detail C-105 & Mag Standard Detail 140				4.00	EACH
 WL-Bollard Crew (16.00 EACH/DY, 0.25 DY, 8.00 HR/DY)				4.00	EACH
 Truck - Crew				2.00	HR
 Backhoe - Light [2]				2.00	HR
 Foreman				2.00	HR
 Pipelayer				2.00	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
<i>(Item 58 - 4-inch Bollard Type 1 COC Standard Detail C-105 & Mag Standard Detail 140 continued)</i>				
 Laborer			2.00	HR
 Subcontracted-Bollards			4.00	EACH
D 59 - 1" Type K Soft Copper Service Line COC Standard Detail C-301			115.00	LF
 WL-Water Service 1in W/ Box & Cover Crew (50.57 LF/DY, 2.27 DY, 8.00 HR/DY)			115.00	LF
 Truck - Crew			18.19	HR
 Water Truck - 2000 Gal [0.5]			18.19	HR
 Foreman			18.19	HR
 Pipelayer			18.19	HR
 Laborer [2]			18.19	HR
 Water Truck Driver [0.5]			18.19	HR
 Operator: Large Equipment			18.19	HR
 Pipe Trailer			18.19	HR
 Backhoe - Light			18.19	HR
 Excavator - 10k LB			18.19	HR
 Operator: Small Equipment			18.19	HR
 Material Per Bid Item			1.00	LS
 Aggregate - ABC MAG Spec	100AA00003		27.50	TON
 Plates [4]	90200000		4.00	DY
 Shoring	90200000		4.00	DY
D 60 - 1.5" Copper Service Line COC Standard Detail C-301			237.00	LF
 WL-Water Service 1.5in W/ Box & Cover Crew (89.50 LF/DY, 2.65 DY, 8.00 HR/DY)			237.00	LF
 Truck - Crew			21.18	HR
 Water Truck - 2000 Gal [0.5]			21.18	HR
 Pipe Trailer			21.18	HR
 Backhoe - Light			21.18	HR
 Excavator - 10k LB			21.18	HR
 Foreman			21.18	HR
 Pipelayer			21.18	HR
 Laborer [2]			21.18	HR
 Water Truck Driver [0.5]			21.18	HR
 Operator: Large Equipment			21.18	HR
 Operator: Small Equipment			21.18	HR
 Material Per Bid Item			1.00	LS
 Aggregate - ABC MAG Spec	100AA00003		55.00	TON
 Plates [4]	90200000		4.00	DY
 Shoring	90200000		4.00	DY
D 61 - 2" Rigid Copper Service Line COC Standard Detail C-301			81.00	LF
 WL-Water Service 2in W/ Box & Cover Crew (73.00 LF/DY, 1.11 DY, 8.00 HR/DY)			81.00	LF
 Truck - Crew			8.88	HR
 Water Truck - 2000 Gal [0.5]			8.88	HR
 Pipe Trailer			8.88	HR
 Backhoe - Light			8.88	HR
 Excavator - 10k LB			8.88	HR
 Foreman			8.88	HR
 Pipelayer			8.88	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
<i>(Item 61 - 2" Rigid Copper Service Line COC Standard Detail C-301 continued)</i>				
 Laborer [2]			8.88	HR
 Water Truck Driver [0.5]			8.88	HR
 Operator: Large Equipment			8.88	HR
 Operator: Small Equipment			8.88	HR
 Material Per Bid Item			1.00	LS
 Aggregate - ABC MAG Spec	100AA00003		18.70	TON
 Shoring	90200000		2.00	DY
 Plates [4]	90200000		2.00	DY
D 62 - Locate & Connect Existing Services			17.00	EACH
 WL- Waterline Crew (3.00 EACH/DY, 5.67 DY, 8.00 HR/DY)			17.00	EACH
 Truck - Crew			45.33	HR
 Backhoe - Light			45.33	HR
 Excavator - 10k LB			45.33	HR
 Operator: Large Equipment			45.33	HR
 Pipelayer			45.33	HR
 Laborer			45.33	HR
 Foreman			45.33	HR
 Operator: Small Equipment			45.33	HR
 Material Per Bid Item			17.00	LS
 Aggregate - ABC MAG Spec	100AA00003		18.70	TON
D 63 - 1" Backflow Preventer & Enclosure COC Standard Detail C-311			3.00	EACH
 Backflow Preventer Small (1.00 EACH/DY, 3.00 DY, 8.00 HR/DY)			3.00	EACH
 Truck - Crew			24.00	HR
 Water Truck - 2000 Gal [0.5]			24.00	HR
 Pipe Trailer			24.00	HR
 Backhoe - Light			24.00	HR
 Excavator - 10k LB			24.00	HR
 Foreman			24.00	HR
 Pipelayer			24.00	HR
 Laborer [2]			24.00	HR
 Water Truck Driver [0.5]			24.00	HR
 Operator: Large Equipment			24.00	HR
 Operator: Small Equipment			24.00	HR
 CP-Concrete Sidewalk Crew (1.00 EACH/DY, 3.00 DY, 8.00 HR/DY)			3.00	EACH
 Truck - Crew			24.00	HR
 Box Trailer			24.00	HR
 Foreman			24.00	HR
 Concrete Finisher [3]			24.00	HR
 Laborer			24.00	HR
 Material Per Bid Item			3.00	LS
 Aggregate - ABC MAG Spec	100AA00003		9.90	TON
 Material Per Bid Item Concrete			1.00	LS
 Ready Mix Concrete - MAG B 2500	135ZZ00004		3.15	CY
 Concrete - Short Load Fee			3.00	EACH
 Subcontracted-Certification			3.00	DY
D 64 - 1.5" Backflow Preventer & Enclosure COC Standard Detail C-311			3.00	EACH

Description		Job Cost ID	Task JC ID	Quantity	UM
(Item 64 - 1.5" Backflow Preventer & Enclosure COC Standard Detail C-311 continued)					
 Backflow Preventer Small (1.00 EACH/DY, 3.00 DY, 8.00 HR/DY)				3.00	EACH
 Truck - Crew				24.00	HR
 Water Truck - 2000 Gal [0.5]				24.00	HR
 Pipe Trailer				24.00	HR
 Backhoe - Light				24.00	HR
 Excavator - 10k LB				24.00	HR
 Foreman				24.00	HR
 Pipelayer				24.00	HR
 Laborer [2]				24.00	HR
 Water Truck Driver [0.5]				24.00	HR
 Operator: Large Equipment				24.00	HR
 Operator: Small Equipment				24.00	HR
 CP-Concrete Sidewalk Crew (1.00 EACH/DY, 3.00 DY, 8.00 HR/DY)				3.00	EACH
 Truck - Crew				24.00	HR
 Box Trailer				24.00	HR
 Foreman				24.00	HR
 Concrete Finisher [3]				24.00	HR
 Laborer				24.00	HR
 Material Per Bid Item				3.00	LS
 Aggregate - ABC MAG Spec		100AA00003		9.90	TON
 Subcontracted-Certification				3.00	DY
 Material Per Bid Item Concrete				1.00	LS
 Ready Mix Concrete - MAG B 2500		135ZZ00004		3.15	CY
 Concrete - Short Load Fee				3.00	EACH
D 65 - 2" Backflow Preventer & Enclosure COC Standard Detail C-302				1.00	EACH
 Backflow Preventer Small (0.75 EACH/DY, 1.33 DY, 8.00 HR/DY)				1.00	EACH
 Truck - Crew				10.67	HR
 Water Truck - 2000 Gal [0.5]				10.67	HR
 Pipe Trailer				10.67	HR
 Backhoe - Light				10.67	HR
 Excavator - 10k LB				10.67	HR
 Foreman				10.67	HR
 Pipelayer				10.67	HR
 Laborer [2]				10.67	HR
 Water Truck Driver [0.5]				10.67	HR
 Operator: Large Equipment				10.67	HR
 Operator: Small Equipment				10.67	HR
 Material Per Bid Item				1.00	LS
 Aggregate - ABC MAG Spec		100AA00003		3.30	TON
 Subcontracted-Certification				1.00	DY
 Material Per Bid Item Concrete				1.00	LS
 Ready Mix Concrete - MAG B 2500		135ZZ00004		1.05	CY
 Concrete - Short Load Fee				1.00	EACH
 CP-Concrete Sidewalk Crew (1.00 EACH/DY, 1.00 DY, 8.00 HR/DY)				1.00	EACH
 Truck - Crew				8.00	HR
 Box Trailer				8.00	HR
 Foreman				8.00	HR

Description	Job Cost ID	Task JC ID	Quantity	UM
<i>(Item 65 - 2" Backflow Preventer & Enclosure COC Standard Detail C-302 continued)</i>				
 Concrete Finisher [3]			8.00	HR
 Laborer			8.00	HR
D 66 - 4-inch Backflow Preventer COC Standard Detail C-315			1.00	EACH
 WL-Double Check Backflow Preventer 4in Appurtenance Crew (0.75 EACH/DY, 1.33 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			10.67	HR
 Backhoe - Light			10.67	HR
 Water Truck - 2000 Gal			10.67	HR
 Foreman			10.67	HR
 Operator: Small Equipment			10.67	HR
 Pipelayer			10.67	HR
 Laborer [2]			10.67	HR
 Water Truck Driver			10.67	HR
 Excavator - 20k LB			10.67	HR
 Dump Truck - 10 Wheel			10.67	HR
 Operator: Large Equipment			10.67	HR
 Excavator Compaction Wheel			10.67	HR
 Pipe Trailer			10.67	HR
 CP-Concrete Sidewalk Crew (0.50 EACH/DY, 2.00 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			16.00	HR
 Box Trailer			16.00	HR
 Foreman			16.00	HR
 Concrete Finisher [3]			16.00	HR
 Laborer			16.00	HR
 Material Per Bid Item			1.00	LS
 Aggregate - ABC MAG Spec	100AA00003		5.50	TON
 Subcontracted-Certfication			1.00	DY
 Material Per Bid Item Concrete			1.00	LS
 Ready Mix Concrete - MAG B 2500	135ZZ00004		3.15	CY
 Concrete - Short Load Fee			1.00	EACH
D 67 - 6" Backflow Preventer And Enclosure COC Standard Detail C-315			2.00	EACH
 WL-Double Check Backflow Preventer 6in Appurtenance Crew (0.50 EACH/DY, 4.00 DY, 8.00 HR/DY)			2.00	EACH
 Truck - Crew			32.00	HR
 Backhoe - Light			32.00	HR
 Water Truck - 2000 Gal			32.00	HR
 Foreman			32.00	HR
 Operator: Small Equipment			32.00	HR
 Pipelayer			32.00	HR
 Laborer [2]			32.00	HR
 Water Truck Driver			32.00	HR
 Excavator - 20k LB			32.00	HR
 Dump Truck - 10 Wheel			32.00	HR
 Operator: Large Equipment			32.00	HR
 Excavator Compaction Wheel			32.00	HR
 Pipe Trailer			32.00	HR
 CP-Concrete Sidewalk Crew (0.50 EACH/DY, 4.00 DY, 8.00 HR/DY)			2.00	EACH

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 67 - 6" Backflow Preventer And Enclosure COC Standard Detail C-315 continued)				
 Truck - Crew			32.00	HR
 Box Trailer			32.00	HR
 Foreman			32.00	HR
 Concrete Finisher [3]			32.00	HR
 Laborer			32.00	HR
 Material Per Bid Item			1.00	LS
 Aggregate - ABC MAG Spec	100AA00003		13.20	TON
 Subcontracted-Certification			2.00	DY
 Material Per Bid Item Concrete			2.00	LS
 Ready Mix Concrete - MAG B 2500	135ZZ00004		8.40	CY
D 68 - Water Meter Box			17.00	EACH
 WL-Water Service 1in W/ Box & Cover Crew (5.00 EACH/DY, 3.40 DY, 8.00 HR/DY)			17.00	EACH
 Truck - Crew			27.20	HR
 Foreman			27.20	HR
 Pipelayer			27.20	HR
 Laborer			27.20	HR
 Pipe Trailer			27.20	HR
 Backhoe - Light			27.20	HR
 Operator: Small Equipment			27.20	HR
 Flatbed Trailer			27.20	HR
D 69 - 2" Combo Air Relief Valve			1.00	EACH
 ARV Installation (1.00 EACH/DY, 1.00 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			8.00	HR
 Water Truck - 2000 Gal [0.5]			8.00	HR
 Pipe Trailer			8.00	HR
 Backhoe - Light			8.00	HR
 Excavator - 10k LB			8.00	HR
 Foreman			8.00	HR
 Pipelayer			8.00	HR
 Laborer [2]			8.00	HR
 Water Truck Driver [0.5]			8.00	HR
 Operator: Large Equipment			8.00	HR
 Operator: Small Equipment			8.00	HR
 CP-Concrete Sidewalk Crew (1.00 EACH/DY, 1.00 DY, 8.00 HR/DY)			1.00	EACH
 Truck - Crew			8.00	HR
 Box Trailer			8.00	HR
 Foreman			8.00	HR
 Concrete Finisher [3]			8.00	HR
 Laborer			8.00	HR
 Material Per Bid Item			1.00	LS
 Aggregate - ABC MAG Spec	100AA00003		14.30	TON
 Material Per Bid Item Concrete			1.00	LS
 Ready Mix Concrete - MAG B 2500	135ZZ00004		1.05	CY
 Concrete - Short Load Fee			1.00	EACH
D 70 - Temporary Waterline Installation And Removal			2.00	EACH
 Temp Water Installation Crew (0.50 LF/DY, 4.00 DY, 8.00 HR/DY)			2.00	LF

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 70 - Temporary Waterline Installation And Removal continued)				
 Truck - Crew			32.00	HR
 Backhoe - Light			32.00	HR
 Water Truck - 2000 Gal			32.00	HR
 Foreman			32.00	HR
 Operator: Small Equipment			32.00	HR
 Pipelayer			32.00	HR
 Laborer			32.00	HR
 Water Truck Driver			32.00	HR
 Excavator - 10k LB			32.00	HR
 Shoring	90200000		4.00	DY
 Material Per Bid Item			1.00	LS
 6" Potable HDPE [1,000]			1.00	MO
 GC-Chlorine & Pressure Test Crew (1.00 EACH/DY, 2.00 DY, 8.00 HR/DY)			2.00	EACH
 Truck - Crew			16.00	HR
 Hydrostatic Test Pump Trailer			16.00	HR
 Pipelayer			16.00	HR
 Laborer [3]			16.00	HR
 Plates [16]	90200000		30.00	DY
 Temp Water Installation Removal (1.00 EACH/DY, 2.00 DY, 8.00 HR/DY)			2.00	EACH
 Truck - Crew			16.00	HR
 Backhoe - Light			16.00	HR
 Water Truck - 2000 Gal			16.00	HR
 Foreman			16.00	HR
 Operator: Small Equipment			16.00	HR
 Pipelayer			16.00	HR
 Laborer			16.00	HR
 Water Truck Driver			16.00	HR
 Excavator - 10k LB			16.00	HR
 Shoring	90200000		2.00	DY
 Pipe Trailer			16.00	HR
D 71 - SRP Engineered Supports			2.00	EACH
 Material Per Bid Item			1.00	LS
 NW Corner Installation (1.00 EACH/DY, 2.00 DY, 8.00 HR/DY)			2.00	EACH
 Truck - Crew			16.00	HR
 Backhoe - Light			16.00	HR
 Dump Truck - 10 Wheel			16.00	HR
 Water Truck - 2000 Gal			16.00	HR
 Operator: Large Equipment			16.00	HR
 Pipelayer			16.00	HR
 Laborer [2]			16.00	HR
 Truck Driver			16.00	HR
 Water Truck Driver			16.00	HR
 Foreman			16.00	HR
 Shoring	90200000		2.00	DY
D 72 - General Conditions			7.00	MO

Description	Job Cost ID	Task JC ID	Quantity	UM
(Item 72 - General Conditions continued)				
 GC-Pothole	10020015		10.00	EACH
 Subcontracted-Utility Potholing			10.00	EACH
 Trash Dumpsters / Dump Fees			7.00	MO
 Connex Boxes			7.00	MO
 Water Meter			2.00	EACH
 Water & Ice			30.00	WK
 Office & Yard Rental			7.00	MO
 Project Utilities			7.00	MO
 Project Sanitation			7.00	MO
 Temporary Fencing			7.00	MO
 Senior Project Manager			7.00	MO
 Senior Project Manager (11.50 DY/MO, 80.50 DY, 8.00 HR/DY)			7.00	MO
 Truck - Management			644.00	HR
 Sr. Project Manager			644.00	HR
 Assistant Project Manager			7.00	MO
 Assistant Project Manager Crew (21.60 DY/MO, 151.20 DY, 8.00 HR/DY)			7.00	MO
 Truck - Management			1,209.60	HR
 Assistant Project Manager			1,209.60	HR
 General / Project Superintendent			7.00	MO
 Superintendent (10.80 DY/MO, 75.60 DY, 8.00 HR/DY)			7.00	MO
 Truck - Management			604.80	HR
 Superintendent			604.80	HR
 Field Superintendent			7.00	MO
 Field Superintendent (21.60 DY/MO, 151.20 DY, 8.00 HR/DY)			7.00	MO
 Truck - Management			1,209.60	HR
 Field Superintendent			1,209.60	HR
 Field Engineer			3.00	MO
 Field Engineer			512.00	HR
 Field Communication			7.00	MO
 First Aid			1.00	EACH
 ST&S, Safety Supplies, Training, Small Tools			21,495.00	MH
 Job Office Expense			7.00	MO
 Drone Photography			7.00	MO

Indirect Items

Description	Job Cost ID	Task JC ID	Quantity	UM
 9.0 - Do Not Delete	10000001		0.00	LS

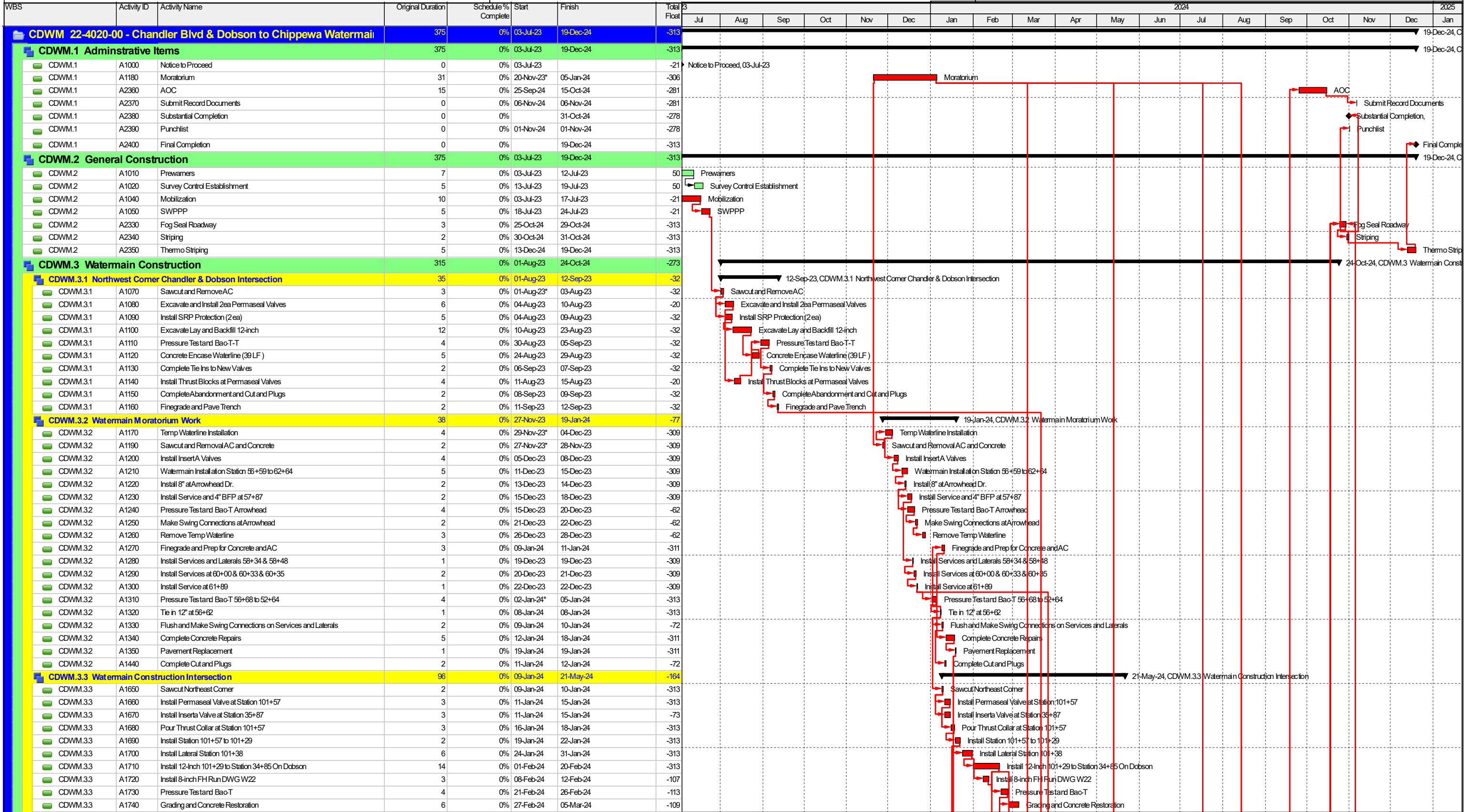
Exhibit D5: Clarification & Assumptions
CHANDLER & DOBSON WATERMAIN REPLACEMENT
COC Project No.: WW2005.403
GMP-002
[04/26/2023]

1. Mobilization/Demobilization for this GMP-002 is a onetime round trip for personnel, equipment, and supplies. Project delays that result in demobilization of personnel and/or equipment are not included, and any additional costs incurred are a change in scope.
2. Any costs associated with Permits, Paving Permit/Fees, Waterline and Trench Permit/Fees and Haul Permit/Fees are included in the GMP. SWPPP Permit and Dust Control included in Sewer GMP.
3. This GMP is based on 90% design drawings and as-builts. If actual conditions/locations differ from those shown on the Project Documents, additional and equitable compensation may be requested. These additional costs, if encountered, will be a change in scope and compensated from owner's contingency.
4. The GMP does not include costs for the remediation of hazardous waste materials not generated by CMAR.
5. CMAR acknowledges the city code 11-10.2: Construction Noise. Contractor normal working hours are assumed to be from 7:00AM to 5:00PM (6:00AM start time from May to September), but after hours and 24-hour operations may be required to facilitate the construction of this project.
6. Traffic Control costs include setup, rental and teardown as deemed by COC Traffic. The assumption is single lane closure that will be expanded to a double lane from 8:30AM to 3:30PM. It is expected that all traffic control devices will be able to be left overnight in a single lane closure over running line. Additional costs not included in this GMP will be incurred if they are required to be removed overnight.
7. Limited work will be allowed from November 18, 2023, to January 2, 2024, to sections of the project on the west bound lanes on Chandler boulevard from Arrowhead Drive to Meadow Drive. No testing will be available in the week of December 25-29.
8. This GMP includes costs for currently identified engineering, design, environmental, survey, and community relation efforts determined in the design phase. Additional efforts encountered or added due to increased scope of work elements or unforeseen conditions to be encumbered in Owner or Contractor Contingency line items.
9. Excludes any costs associated with blasting or hydraulic breakers of any kind.
10. The replacement of the water schedule will begin in August of 2023 and finish October of 2024. Due to asphalt treatment, initial, and final striping the project will not be 100% complete by December of 2024 dictated by the striping company does not warranty the striping until 30 days of cure has been completed on the treatment.
11. Pavement patching or restoration is bid to complete per the COC standard materials for arterial roadways.
12. Excludes costs for repair of pre-existing damage of any private and public roadways used to access this project. If required, costs to be reimbursed from Owner or Contractor Contingency.
13. The contractor's Contingency Usage will be utilized per General Condition 15.4.1 included in the contract.

14. GMP assumes access can be granted to CMAR for suitable staging and installation of the water main replacement at the various sections.
15. Excludes operation of any existing valves on the City of Chandler system.
16. CMAR is aware of the lead time for the materials due to the current market conditions but assumes the majority of the materials can be stored in the laydown yard location.
17. After installation of the water main line, CMAR will backfill the trench as designated on the plan sheets by utilizing ½ sack slurry in all intersection work, large vertical realignments under the exiting utilities, and will use ABC in all other applications by mechanically compacting and testing for compaction.
18. CMAR intends to place plates on top of the asphalt during construction under a 24-hour lane closure and mill plates flush with asphalt or temp cold patch with asphalt 2" asphalt at driveway access points only at the CMAR discretion.
19. Excavation for mainline pipe install will be hauled off and disposed of offsite. Backfill will consist of imported aggregates and/or slurry.
20. B&F will utilize Pipeline Services for all hot taps for existing waterlines.
21. Pavement removal and replacement associated with the water line replacement is quantified based on discussions from the design phase meetings. If there is a discrepancy with the GMP plans and quantities are incorrect the direct overrun will be unit cost adjusted through the contractor contingency.
22. This GMP includes a CMAR Contingency based on the risk register. All quantity variations for difference in length and vertical depth based on project drawings vs. field verified measurements, and for variations of individual property service connections will be direct unit cost reimbursable through contingency.
23. Fog seal will be applied as designated by the City of Chandler and provided a best estimate based on the parameter give and quantity overrun will be paid from contractor's contingency.
24. Abandonment of the existing ACP and CIP pipe is grout filled. B&F will provide materials and service to complete work but does not anticipate any testing of the existing line post grout abandonment. A plan will be produced, submitted, and approved by the owner prior to commencement of the work.
25. Tax credit only applies to pipe materials 4-inch or larger. Please see the summary sheet in the appendix for reference.
26. Subcontractor selection follows 17.6 of the general conditions in the contract.
27. CMAR expectation is to close sidewalks and bike paths in the construction zone and route pedestrians to the nearest ADA compliant crossing and detour pedestrians to the opposite of the roadway around the work zone. No barriers, special ramps, temp bus stops, slip resistant plating, or similar pedestrian related control has been added to this GMP. Additional requirements will be paid through the Traffic Control allowance.
28. B&F has provided the GMP with adjusted locations with limited isolation valves. The anticipation is all other locations the City of Chandler will be able to isolate section of the pipe to complete all tie overs. Any additional work will be considered a change from Owners Contingency.
29. Engineering for pipe supports is excluded in this GMP.
30. Paver replacement, traffic control, quality control testing, construction water, survey, public outreach, and crack seal are allowances in GMP-002.
31. Landscape restoration will be compensated through the allowance in GMP-003.

32. Cost for coordination with the water services department and shutdown planning is included in the GMP.
33. To limit construction work area, the CMAR plans to install test section of the new mainline as isolation is available and continually tie the lines over in section on the project to eliminate multiple mobilization into section of the ROW to limit the impact to the public. Once the tie-in is completed the existing line will be abandoned and surface restoration will be completed.
34. The CMAR fees there is risk associated with the Valley Gutters at many local streets running parallel to the trench with less than a few feet separation and has added additional replacement in contingency.
35. B&F will provide an onsite trailer for staff with internet that will have limited space for large meetings. B&F does not have costs for the owner or owner's representative facilities in its GMP.
36. Traffic Control at intersection work is estimated at a 24 hour per day closure with a full 8 hour working day available as approved by the city Engineer.
37. Night work is not anticipated except for tie ins identified in preconstruction for water shutdowns at specific locations as approved by the city Engineer.
38. 72-hour and 24-hour notice notifications required for water shut down and service tie-overs are included in the cost by the Contractor.
39. ACP disposal for quantity on plans is included in the CMAR cost.
40. All specialty asphalt, concrete, and/or paver unless expressed explicitly on the plans would be compensated through owner's contingency.
41. Material salvage will be taken to the COC facilities (McQueen Yard) and placed in the designated area after notifying Jeff Auker.
42. Unit Price Contract Administration: This GMP will be administered as a Measured Quantity/Unit Price, Guaranteed Not-to-Exceed Contract. The Schedules of Values are defined by the individual work/pay items plus fee structure, and markups. Final contract price/payout will be based on field measured, final completed quantities at the approved unit prices, approved allowance and/or contingency utilization, and approved change orders. It is understood that these City approved prices including mark-ups are the "Cost of the Work". The mark-up structure on the Schedule of Values (Exhibit D3) will apply to Change Orders and/or Extra Work, allowances, and contingencies. Pay Item under-runs and/or unused items shall fall to Owner's contingency for the duration of the project. Quantity over-runs shall be paid at the unit price established in the Schedule of Values for the pay item and shall be paid from Contingency or Change Orders.

D6: GMP-002 & GMP-003 SCHEDULE



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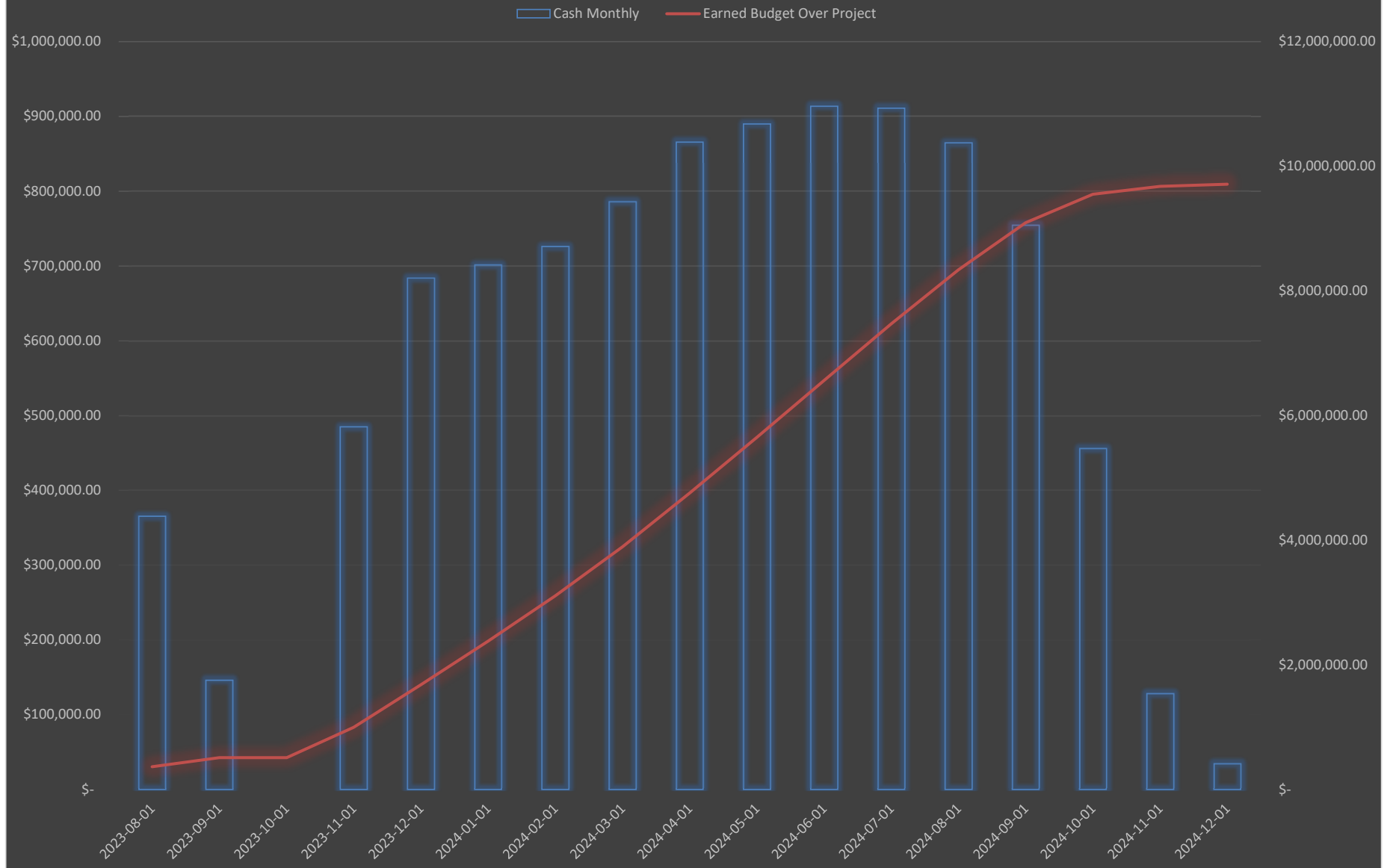
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CONTRACTING
— Since 1990

D7: CASH FLOW

Exhibit D8: Chandler Blvd & Dobson Watermain GMP-002 & GMP-003 Cashflow Projection



D8: RISK REGISTER

	Undesirable (Serious impact to the course of action and outcome)		Probable (Risk will occur)	
	Intolerable (Could result in disaster)		*View Risk Assessment Matrix JPEG attached in Row 1 for scale.	

Chandler Dobson Water Project				City of Chandler							
Sewer Installation				Josh Onstott							
ID	FLAG	IDENTIFIED RISK	BRIEF DESCRIPTION	RISK SEVERITY	RISK LIKELIHOOD	RISK RATING CALCULATION (this section will auto--populate results)	ACTION (this section will auto--populate results)	MITIGATIONS / WARNINGS / REMEDIES / NOTES	Probability Percentage	B&F Cost Impact Potential Impact	Potential Contingency
WMR-01		Trench Collapse	Josh Onstott	Run higher yield on back fill and pavement quantities	Tolerable	Probable	High	CONTINGENCY PLAN	Backfill behind box limit open trenches	25%	
WMR-02		Excess Asphalt Replacement due to equipment	Josh Onstott	Run higher yield on back fill and pavement quantities	Tolerable	Probable	Low	OK TO PROCEED	Run a calculation to add to contingency	25%	\$ 161,588.00 \$ 40,397.00
WMR-03		Material Escalation	Josh Onstott	Material have 6 month increases that are not known	Tolerable	Probable	High	CONTINGENCY PLAN	Material all have disclaimer that the price will increase twice during this project for most agregate materials and additional cost will be incurred.	25%	\$ 165,850.00 \$ 41,462.50
WMR-04		Utility Conflict	Josh Onstott	Unknown utility prevent running line	Undesirable	Improbable	Medium	TAKE MITIGATION EFFORTS	Pothole as many as possible of know utilities and apply contingency if needed. Prepare contingency estimate if a relocation is needed to cover the excess cost associated with the delay	5%	\$ 52,000.00 \$ 13,000.00
WMR-05		Labor Escalation	Josh Onstott	Prices of labor have spiked over 18% in the past 15 months and this trend is expected to slow its still a concern and possibility	Acceptable	Possible	Low	OK TO PROCEED	Utilize an average over the company 15 months and apply to all labor hours into contingency.	30%	\$ 13,744.32 \$ 687.22
WMR-06		Equipment Cost Escalation	Josh Onstott	Prices of equipment have went up and parts over 20% in the past years. Likely hood it could continure	Acceptable	Possible	Low	OK TO PROCEED	Average 20% from time of cost model to end of construction	30%	\$ 168,527.20 \$ 50,558.16
WMR-07		Delays due to isolation issues	Josh Onstott	Delay to complete work due to shutdown failure	Undesirable	Possible	Medium	TAKE MITIGATION EFFORTS	Delay tie overs add cost standby cost	5%	\$ 133,312.41 \$ 39,993.72
WMR-08		Concrete Quantity Growth	Josh Onstott	Due to alignment of watermain the expectation to ave increases in concrete aprons, ADA ramps, driveways.	Undesirable	Probable	Medium	TAKE MITIGATION EFFORTS	Try to avoid damage and work with COC on replacment on aprons to mitigate extra cost over planned quantities	50%	\$ 30,700.00 \$ 1,535.00
WMR-09		Traffic Control Overrun of Allowance	Josh Onstott	Due to complex setup and multiple different scenerios at this time there could be chance of overrun with out having a defined plan.	Acceptable	Improbable	Low	OK TO PROCEED	Based on final discussion adjust TCP and schedule to account for outcome	20%	\$ 116,328.89 \$ 58,164.45
WMR-10		Overrun Soft Dig Support	Josh Onstott	Due to the amount of utilities in the running line and the encountered digging conditions the budget established though conservative estimates could run over based on the time and depth to get around the existino utilities.	Acceptable	Possible	Low	OK TO PROCEED	Prepare contingency for 40 extra hours for additional soft dig support.	30%	\$ 123,750.00 \$ 24,750.00
WMR-11		Fuel Escalation	Josh Onstott	Fuel raises over \$5.5 a gallon	Undesirable	Possible	Medium	OK TO PROCEED	Estimate for a contingency for a fuel increase of \$1.00 gallon over the life cycle of the project.	50%	\$ 20,400.00 \$ 6,120.00
WMR-12		Overrun due to slower-than-expected production due to delays	Josh Onstott	All items listed could cause significant delays and would run the bypass over though the likely hood is	Tolerable	Possible	Medium	TAKE MITIGATION EFFORTS	Prepare a estimate on a daily run and standby of bypass and multiply by probability.	10%	\$ 114,000.00 \$ 57,000.00
12-Inch Sewer Installation		Josh Onstott						Section Subtotal		\$ 33,660.80	\$ 3,366.08
								Totals		\$ 1,133,861.62	\$ 337,034.12
								Markup %		\$	53,352.50
								Potential Contractors Contingency		\$	390,386.62

Only 285881.94 is included in GMP-002. The remainder will be in GMP-003

\$ 285,881.94

April 26, 2023

Scott Riter – Construction Project Manager
City of Chandler – Public Works & Utilities
215 E Buffalo Street
Chandler, AZ 85225

RE: Name: Chandler Blvd and Dobson Road Watermain Replacement Project
Project No.: WW2005.403

SUBJECT: Subcontractor and Material Selection – GMP-002

Dear Mr. Riter,

B&F Contracting, Inc. respectfully submits, for your review, our GMP-002 subcontractor and material selection for the forementioned project.

Per the City of Chandler Contract: “Any subcontractor assumptions, clarifications, exclusions, terms & conditions, signature blocks, etc. included are strictly between the general contractor and their sub-consultants and do not apply to agreement between the general contractor and the city.”

Included in this package are the following documents:

- Subcontractor and Material Quotes
- Allowance Explanation

We are excited about the opportunity to work with the City of Chandler and look forward to discussing this soon. If you or your team have any questions or comments regarding the above items, please contact Josh Onstott at (623)238-3792.

Sincerely,

Josh Onstott

Josh Onstott – Executive Director
Jonstott@bfcontracting.com
B&F Contracting, Inc.

D6: SUBCONTRACTOR & MATERIAL SELECTION



Proposal

Corporate: 11011 N. 23rd Ave. Phoenix, AZ 85029

Office: 623-582-1170|Fax: 623-582-3761

Tucson: 1904 W. Prince Rd. Tucson, AZ 85705

Office: 520-207-8228|Fax: 520-305-3323

AZ Licenses: ROC-089744 A General Contracting

ROC-111282 B-04 General Engineering

Subcontractor RFQ Analysis Report

Project Name: Chandler Dobson Water Install Project	Customer: City of Chandler
Job Number: W22351 Bid Number: W22351	Billing Address: Mail Stop 407, P.O. Box 4008
Bid As: B&F Contracting, Inc.	Chandler, AZ 85244 USA
Estimator: Joshua Onstott	Phone: 4807823310
Project Address: Chandler Blvd/ Dobson Rd, Chandler, AZ	Contact: Melanie Sikes
Completion Date: 8/1/2024	

RFQ Group: Asphalt Pavement

Subcontractor Information

Quote	Company Name	Location	Contact	Phone	Minority
1	P1 Paving & Construction	Peoria, AZ		(602) 359-0100	
2	L&L Asphalt LLC	Phoenix, AZ		(623) 434-1200	
3	Gonzalez Asphalt, Inc.	Phoenix, AZ		(623) 594-2245	

Item and Task Prices

Description	Quantity	UM	Quote 1	Quote 2	Quote 3	Quote 4
[1] - Asphalt Mobilization	16.00	EACH	\$1,500.00	\$1,500.00	\$0.00	\$0.00
[10] - Replace AC Trench Paving	3,345.00	SY	\$80.70	\$92.00	\$103.50	\$0.00
Total Quoted Price:			\$293,941.50	\$331,740.00	\$346,207.50	\$0.00
Plug Total For Items and Tasks Not Quoted:			\$0.00	\$0.00	\$0.00	\$0.00
Adjustments:			\$0.00	\$0.00	\$0.00	\$0.00
Total Adjusted Price:			\$293,941.50	\$331,740.00	\$346,207.50	\$0.00



P1 Paving and Construction LLC

8550 N 91ST AVE STE. 65 PEORIA, ARIZONA 85345

OFFICE: (623) 594-7174 FAX: (623) 594-7159

PROPOSAL

CUSTOMER

ATTN: Amit Satre – B&F Contracting

SUBJECT: Chandler Dobson Water Improvement Project

ADDRESS: Dobson Road & Chandler Blvd

P1 Paving and Construction submits the following proposal for your consideration and acceptance.

A) Mill 6.5" depth, clean, furnish, place and compact 6.5" depth AC – 2 mixes – 5,100 SY –
\$80.70 / SY
\$411,570

B) Furnish, place and compact 6.5" depth AC – 2 mixes – 5,100 SY –
\$67.90 / SY
\$346,290

MOBILIZATION - \$1,500 each

All paving / patching includes crack seal. – Additional crack seal to be billed at \$.45 / SF and not to be done as a separate mobilization.

Fog seal – 32,000 SY – includes 2 mobilizations \$16,500

Proposal includes/excludes the following:

Saw Cutting	yes	___	no	<u>x</u>	Utility adjustments	yes	___	no	<u>x</u>	Prevailing Wage	yes	___	no	<u>x</u>
Survey & Engineering	yes	___	no	<u>x</u>	Slurry / Micro Seal	yes	___	no	<u>x</u>	Sales Tax	yes	___	no	<u>x</u>
Sub-Grade Prep	yes	___	no	<u>x</u>	Rubberized Asphalt	yes	___	no	<u>x</u>	Permits & Testing	yes	___	no	<u>x</u>
Concrete haul off	yes	___	no	<u>x</u>	Barricades	yes	___	no	<u>x</u>	Nights/Weekends	yes	___	no	<u>x</u>
Haul off Asphalt	yes	x	no	___	Hot Rubber Asphalt Joint	yes	x	no	___	Plant opening fees	yes	___	no	<u>x</u>
Removals	___	___	___	___	Sealer	___	___	___	___		___	___	___	___

PROVISIONS:

1. All work is to be measured upon completion and will be billed at the unit cost for the measured quantities with minimum invoice for the quantity of work stated in the description of work above.
2. Work will not be scheduled until an acceptable contract containing these unit prices, inclusions, exclusions and provisions have been signed by both parties.

Matt Tormey

P1 Paving and Construction LLC

DATE: 04/11/2023

PRICE GOOD THRU: 08/31/2023

ACCEPTED BY: _____

Gonzalez Asphalt Inc.

3001 W Lincoln, Phoenix, AZ 85009

Tel 623-594-2245 Fax 623-243-6429

Estimating@gonzalezasphalt.com (Robert)

tony.rose@gonzalezasphalt.com (Tony)



Project Name:	Dobson/Chandler Intersection Water
Project Location:	Chandler AZ

Proposal #	2023-250
Date:	4/5/2023

Line Item #	Description of work	UNIT	Quantity	Unit Price	Total Price
1	Aasphalt Patching (6.5" depth) 5.5 wide areas 3100 SY 4.5 Wide areas 1800 SY Laterals 200sy includes crackfill for the above work	SY	5100	103.50	527,850.00
2	Crackfill	LF	1	1.00	1.00
3	Fog Seal	SY	32000	1.62	51,840.00
	Asphalt 2" A12.5 on 4.5" A19				
	DBE/SBE Certified			Total	579,691.00

Lic # 283318 A Gen Engineering

Proposal Valid for 30 Days

Engineer:

Per plans

Plan Date:

Exclusions:

Bonds, permits, taxes, testing, engineering, striping and signage, Prime coat, Seal coat, Traffic control, traffic plan, barricades, concrete work, Underground Work, underground removals & relocations, Site Clearing, Site Grading Site Haul Off of Spoils

To accept this proposal, sign and date

X: _____

L & L Asphalt LLC

P.O. Box 73440
Phoenix, AZ 85050

Voice: 623-434-1200

Fax: 623-434-1202

City of Phoenix Certified WBE/DBE/SBE



PROPOSAL

Proposal Number: 4701B
Proposal Date: Apr 18, 2023
Page: 1

Asphalt ROC 215796

To:

B & F Contracting Inc
11011 N. 23rd Ave
Phoenix, AZ 85029

Phone 623-582-1170

Job Name and Location:

B & F Contracting Inc
Chandler Dobson Water Improvement
Chandler & Dobson Road
Chandler, AZ

Customer Phone Number	PO Number	Sales Rep Name
623-582-1170		
Customer Fax Number	Customer Contact	Payment Terms
623-582-3761	Mike Cruse	Net 30 Days

L & L Asphalt will furnish all labor, equipment, and materials to complete the scope of work as listed below for the unit prices below;

Quantity	Unit	Description	Unit Price	Amount
7,150.00	SY	6-1/2" Thick Asphalt Mill/Sweep & Haul Off. Finegrade & Compact Existing Base Course For New Asphalt Pavement.	28.00	200,200.00
7,150.00	SY	Permanent Asphalt Pavement 6-1/2" Thick. (4" Thick 3/4 EVAC PG70-10 Base Course & 2-1/2" Thick 1/2 EVAC PG70-10 Surface Course)	64.00	457,600.00
18.00	EA	Jobsite Mobilization PRICE INCLUDES CRACKFILL FOR ASPHALT TRENCH JOINTS ONLY MATERIAL PRICE GOOD TILL 9/30/23 ADD \$3.00 PER TON GOOD TILL 12/31/23.	1,500.00	27,000.00

INCLUSIONS:

1. Apply tack coat to edges only.
2. Mobilizations Listed On Quote. Any additional will be charged at Price listed.
3. Payment based on actual field measurements and thicknesses.

EXCLUSIONS: (Items listed are excluded from price unless noted otherwise.)

- | | |
|--|--|
| 1. Bond, Taxes and Permits/ Sales Tax On Material. | 6. Asphalt Milling/Sawcut Of Any Kind. |
| 2. Testing (On or Off-Site). | 7. Utility Adjustments |
| 3. Surveying/Layout/ Staking. | 8. Subgrade Preparation Of Any Kind. |
| 4. Water supply and usage charge. | 9. Stamped or decorative asphalt. |
| 5. Traffic Control/Barricades of any kind. | 10. Premium(Overtime) & Weekend Work. |
| | 11. Prime Coat/Crack Fill/Seal Coat/Slurry Seal. |

SPECIAL PROVISIONS:

1. This proposal is valid until April 30, 2023. If work is scheduled after that time we reserve the right to revise our prices based on the increases.

Subtotal	684,800.00
Sales Tax	
TOTAL PROPOSAL AMOUNT	684,800.00

Rita Lawrence: Rita@llasp.com
Doerfler: JohnDoerfler@yahoo.com

L & L Asphalt, LLC

4/18/23
Date

Accepted By: B & F Contracting Inc

Date



RFQ Group: SWPPP

Subcontractor Information

Quote	Company Name	Location	Contact	Phone	Minority
1	Argus Construction Services	Glendale, AZ		6022375967	

Item and Task Prices

Description	Quantity	UM	Quote 1	Quote 2	Quote 3	Quote 4
[2] - SWPP Inspections	25.00	UNIT	\$160.00	\$0.00	\$0.00	\$0.00
[2] - SWPPP Dust Control Inspection	25.00	EACH	\$35.00	\$0.00	\$0.00	\$0.00
[2] - Dust Sign	1.00	EACH	\$325.00	\$0.00	\$0.00	\$0.00
Total Quoted Price:			\$5,200.00	\$0.00	\$0.00	\$0.00
Plug Total For Items and Tasks Not Quoted:			\$0.00	\$0.00	\$0.00	\$0.00
Adjustments:			\$0.00	\$0.00	\$0.00	\$0.00
Total Adjusted Price:			\$5,200.00	\$0.00	\$0.00	\$0.00

www.arguscs.com

ATTN: Estimating Department
B&F Contracting

SWPPP Proposal

**Chandler Blvd-Dobson Rd Water & Sewer
Replacement and Rehabilitation Project
City Project No. WW2005.403
Job #22-4020-01**

PROPOSAL NO.: 2023638
DATE: 4/20/2023
Proposal valid until: 5/20/2023

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT	
1) SWPPP Manual & Plans	1) Provide the SWPPP Manual/Program in accordance with NPDES/AZPDES CGP 2) Includes a SWPPP Manual, Narrative and Plans (1 hard copy and PDF)	1	LS	\$2,800.00	\$2,800.00	
2) SWPPP Inspections	1) Provide SWPPP site inspections/reports performed by certified personnel. 2) All SWPPP Inspection Reports managed through a secure web based software. Client access available 24/7 with project specific login. 3) Maintain and update all aspects of SWPPP Manual and SWPP Plan	1	per visit	\$160.00	TBD	
3) Project SWPPP Sign (per NOI AZCN #)	Option 1 Provide SWPPP 36" X 36" aluminum sign (Sign Only) Option 2 Provide SWPPP 36" X 36" aluminum sign - with portable stand Option 3 Provide SWPPP 48" X 48" printed banner - with grommets Option 4 None	1 1 1	EA EA EA	\$325.00 \$600.00 \$275.00	\$325.00 \$600.00 \$275.00	☒
4) Dust Binder	1) Includes all Dust Logs/Documents required by the 310 Rule Permit	1	LS	\$150.00	\$150.00	
5) Dust Site Audit	1) Review required Dust Logs/Documentation for accuracy and completeness 2) Inspect site for any violations 3) Per visit price only valid if it coincides with SWPPP Inspection	1	per visit	\$35.00	TBD	
6) Project Initial Setup	1) Administrative setup/Project Coordination 2) Assist with ADEQ NOI permit preparation	1	LS	\$250.00	\$250.00	

* All of the above quoted items will be completed in accordance with project specifications and 2022 NPDES/2020 AZPDES CGP

CONDITIONS:

- Access to Engineer's electronic files.
(Drawings PDF format if needed)
- No Retention to be held**
- Additional Manuals \$100.00 EA
- Inspection frequency every 14 days and storm events**
- SWPPP Management or SWPPP Inspection item amount TBD upon project duration**



Amanda Earnshaw
Project Coordinator/Estimator
Argus Construction Services

EXCLUSIONS:

- Permits, Fines, Penalties, and any associated Fees
- Review Fees**
- Sales Tax and Bond
- Analytical Monitoring program/testing
- SWPPP BMP materials, installation/maintenance
- SPCC Plan
- SWPPP/Construction schedule and sequencing plan to be provided and updated by others.
- Certified Payroll

Acceptance Signature

Name: _____

Title: _____

Date: _____

B & F Contracting, Inc

Project: Chandler Blvd.
Location Dobson Rd to Chippements Place
City: Chandler Blvd.
Bid Date:
Document Name: B & F W22268, Chandler WW2005.203

90% Plans

Bid Item	Description	Qua.	Unit Price	Extension	FULLER FORM	WINWATER	FORTILINE	FERGUSON	Total Cost	Eligible Tax Credit Materials
38	12" DIP Water									
	12" RJ DIP	6900 LF			\$ 69.17 \$ 477,266.10	\$ 71.44 \$ 492,936.00	\$ 71.43 \$ 492,867.00	\$ 50.43	\$ 347,967.00	\$ 347,967.00
	FIELD LOCK	345 EA			\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ 188.09	\$ 64,891.05	\$ 64,891.05
					\$ - \$ -	\$ - \$ -	\$ - \$ -		\$ - \$ -	\$ - \$ -
38	12" Fittings									
	ID Tape (1000-ft Roll)	7 Rolls			\$ 37.83 \$ 264.83	\$ 33.17 \$ 232.19	\$ 48.26 \$ 337.82	\$ 68.50	\$ 479.50	\$ 479.50
	Locaror Wire AWG #14 THWN (500-ft0	15 Rolls			\$ 76.67 \$ 1,150.01	\$ - \$ -	\$ 89.01 \$ 1,335.15	\$ 160.97	\$ 2,414.55	\$ 2,414.55
	Poly Tape	50 Rolls			\$ 5.95 \$ 297.50	\$ 6.75 \$ 337.50	\$ 9.78 \$ 489.00	\$ 6.00	\$ 300.00	\$ 300.00
					\$ - \$ -	\$ - \$ -	\$ - \$ -		\$ - \$ -	\$ - \$ -
	Poly Wrap For 12" DIP	7000 LF			\$ 1.67 \$ 11,692.80	\$ 0.83 \$ 5,810.00	\$ 0.77 \$ 5,390.00	\$ 0.67	\$ 4,690.00	\$ 4,690.00
	Poly Tape	50 Roll			\$ 5.95 \$ 297.50	\$ 6.75 \$ 337.50	\$ 9.78 \$ 489.00	\$ 6.00	\$ 300.00	\$ 300.00
					\$ - \$ -	\$ - \$ -	\$ - \$ -		\$ - \$ -	\$ - \$ -
	12" Flg Tee	8 EA			\$ 1,149.44 \$ 9,195.55	\$ 1,180.96 \$ 9,447.68	\$ 1,087.36 \$ 8,698.88	\$ 1,091.34	\$ 8,730.72	\$ 8,730.72
	12" MJ X Flg Tee	1 EA			\$ 746.77 \$ 746.77	\$ 767.25 \$ 767.25	\$ 492.83 \$ 492.83	\$ 882.34	\$ 882.34	\$ 882.34
	12" MJ Tee	1 EA			\$ 525.53 \$ 525.53	\$ 539.93 \$ 539.93	\$ 497.14 \$ 497.14	\$ 498.96	\$ 498.96	\$ 498.96
	12"x8" MJ Tee	2 EA			\$ 410.07 \$ 820.14	\$ 421.32 \$ 842.64	\$ 387.92 \$ 775.84	\$ 396.55	\$ 793.10	\$ 793.10
	12"x8" Flg Tee	2 EA			\$ 956.09 \$ 1,912.18	\$ 982.28 \$ 1,964.56	\$ 904.43 \$ 1,808.86	\$ 1,129.64	\$ 2,259.28	\$ 2,259.28
	12"x6" MJ X Flg Tee	1 EA			\$ 469.22 \$ 469.22	\$ 482.09 \$ 482.09	\$ 443.87 \$ 443.87	\$ 445.50	\$ 445.50	\$ 445.50
	12" Flg X MJ Adapt	4 EA			\$ 328.17 \$ 1,312.68	\$ 337.17 \$ 1,348.68	\$ 310.44 \$ 1,241.76	\$ 317.35	\$ 1,269.40	\$ 1,269.40
	12" MJ 22-1/2 Bend	3 EA			\$ 273.57 \$ 820.71	\$ 281.08 \$ 843.24	\$ 258.79 \$ 776.37	\$ 259.74	\$ 779.22	\$ 779.22
	12" MJ 45 Bend	17 EA			\$ 312.81 \$ 5,317.82	\$ 321.39 \$ 5,463.63	\$ 295.92 \$ 5,030.64	\$ 297.00	\$ 5,049.00	\$ 5,049.00
	12" MJ Solid Sleeve	6 EA			\$ 288.36 \$ 1,730.14	\$ 296.27 \$ 1,777.62	\$ 272.78 \$ 1,636.68	\$ 273.78	\$ 1,642.68	\$ 1,642.68
					\$ - \$ -	\$ - \$ -	\$ - \$ -		\$ - \$ -	\$ - \$ -
	12" Megalug For DIP	74 EA			\$ 108.37 \$ 8,019.31	\$ 151.72 \$ 11,227.28	\$ 102.52 \$ 7,586.48	\$ 105.96	\$ 7,841.04	\$ 7,841.04
	12" MJ Acc Set Less Gland	74 EA			\$ 35.26 \$ 2,609.46	\$ - \$ -	\$ 36.67 \$ 2,713.58	\$ 50.02	\$ 3,701.48	\$ 3,701.48
	8" Megalug For DIP	2 EA			\$ 50.18 \$ 100.37	\$ 79.38 \$ 158.76	\$ 47.47 \$ 94.94	\$ 49.07	\$ 98.14	\$ 98.14
	8" MJ Acc Set Less Gland	2 EA			\$ 25.59 \$ 51.19	\$ - \$ -	\$ 26.62 \$ 53.24	\$ 35.28	\$ 70.56	\$ 70.56
	12" Flg Bolt Set	4 EA			\$ 40.90 \$ 163.60	\$ 49.31 \$ 197.24	\$ 68.25 \$ 273.00	\$ 34.24	\$ 136.96	\$ 136.96
	12" Flg Gasket	4 EA			\$ 10.80 \$ 43.20	\$ - \$ -	\$ - \$ -	\$ 19.93	\$ 79.72	\$ 79.72
					\$ - \$ -	\$ - \$ -	\$ - \$ -		\$ - \$ -	\$ - \$ -
38	12" PC-350 TJ DIP									
	12" PC-350 TJ DIP	1400 LF			\$ 49.80 \$ 69,715.80	\$ 51.61 \$ 72,254.00	\$ 51.61 \$ 72,254.00	\$ 50.43	\$ 70,602.00	\$ 70,602.00
					\$ - \$ -	\$ - \$ -	\$ - \$ -		\$ - \$ -	\$ - \$ -
38	12" Fittings									
	12" ID Tape	4 Roll			\$ 37.83 \$ 151.33	\$ 33.17 \$ 132.68	\$ 48.26 \$ 193.04	\$ 68.80	\$ 275.20	\$ 275.20
	Locator Wire AWG #14 THWN	4 Roll			\$ 76.67 \$ 306.67	\$ 125.25 \$ 501.00	\$ 89.01 \$ 356.04	\$ 160.97	\$ 643.88	\$ 643.88
	Poly Tape	20 Roll			\$ 5.95 \$ 119.00	\$ 6.75 \$ 135.00	\$ 9.78 \$ 195.60	\$ 6.00	\$ 120.00	\$ 120.00
					\$ - \$ -	\$ - \$ -	\$ - \$ -		\$ - \$ -	\$ - \$ -
	Poly Wrap For 12" DIP	1500 LF			\$ 1.67 \$ 2,505.45	\$ 0.83 \$ 1,245.00	\$ 0.77 \$ 1,155.00	\$ 0.67	\$ 1,005.00	\$ 1,005.00
	Poly Tape	Roll			\$ 5.95 \$ -	\$ 6.75 \$ -	\$ 9.78 \$ -	\$ 6.00	\$ -	\$ -
					\$ - \$ -	\$ - \$ -	\$ - \$ -		\$ - \$ -	\$ - \$ -
39	8" DIP RJ									
	8" PC-350 RJ DIP	380 LF			\$ 44.47 \$ 16,900.12	\$ 46.95 \$ 17,841.00	\$ 45.92 \$ 17,449.60	\$ 32.91	\$ 12,505.80	\$ 12,505.80
					\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ 129.52	\$ -	\$ -
39	8" Fittings									
	ID Tape				\$ - \$ -	\$ - \$ -	\$ - \$ -		\$ - \$ -	\$ - \$ -
	Locator Wire AWG #14 THWN	1 Roll			\$ 76.67 \$ 76.67	\$ 125.25 \$ 125.25	\$ 89.01 \$ 89.01	\$ 160.97	\$ 160.97	\$ 160.97
	Poly Tape	5 Roll			\$ 5.95 \$ 29.75	\$ 6.75 \$ 33.75	\$ 9.78 \$ 48.90	\$ 6.00	\$ 30.00	\$ 30.00
					\$ - \$ -	\$ - \$ -	\$ - \$ -		\$ - \$ -	\$ - \$ -

	Poly Wrap For 8" DIP	500 LF		\$	-	\$	0.55	\$	275.00	\$	0.57	\$	285.00	\$	0.60	\$	300.00	\$	300.00
	Poly Tape	Roll		\$	5.95	\$	6.75	\$	-	\$	9.78	\$	-	\$	6.00	\$	-	\$	-
				\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	12"x8" MJ Tee	1 EA		\$	410.07	\$	410.07	\$	421.32	\$	421.32	\$	387.92	\$	387.92	\$	396.55	\$	396.55
	12"x8" Flg Tee	1 EA		\$	956.07	\$	956.07	\$	982.28	\$	982.28	\$	904.43	\$	904.43	\$	1,129.64	\$	1,129.64
	12"x8" MJ X Flg Tee	3 EA		\$	520.98	\$	1,562.93	\$	535.26	\$	1,605.78	\$	492.83	\$	1,478.49	\$	615.56	\$	1,846.68
	8"x6" MJ Tee	1 EA		\$	218.40	\$	218.40	\$	224.39	\$	224.39	\$	206.60	\$	206.60	\$	211.20	\$	211.20
	8"x6" MJ X Flg Tee	3 EA		\$	245.13	\$	735.39	\$	251.86	\$	755.58	\$	231.90	\$	695.70	\$	289.64	\$	868.92
	8"x6" MJ Reducer	1 EA		\$	104.08	\$	104.08	\$	106.94	\$	106.94	\$	98.46	\$	98.46	\$	122.98	\$	122.98
	8" Flg X MJ Adapt	1 EA		\$	147.88	\$	147.88	\$	151.93	\$	151.93	\$	139.89	\$	139.89	\$	174.72	\$	174.72
	8" Flg Bolt Set	1 EA		\$	15.70	\$	15.70	\$	25.02	\$	25.02	\$	29.64	\$	29.64	\$	16.94	\$	16.94
	8" Flg Gasket	1 EA		\$	5.34	\$	5.34	\$	-	\$	-	\$	-	\$	15.52	\$	15.52	\$	15.52
	12" Megalug For DIP	8 EA		\$	108.37	\$	866.95	\$	151.72	\$	1,213.76	\$	102.52	\$	820.16	\$	105.96	\$	847.68
	12" MJ Acc Set Less Gland	8 EA		\$	35.26	\$	282.10	\$	-	\$	-	\$	36.67	\$	293.36	\$	50.02	\$	400.16
	8" Megalug For DIP	10 EA		\$	50.18	\$	501.84	\$	79.38	\$	793.80	\$	47.47	\$	474.70	\$	49.07	\$	490.70
	8" MJ Acc Set Less Gland	11 EA		\$	25.59	\$	281.53	\$	43.75	\$	481.25	\$	26.62	\$	292.82	\$	35.28	\$	388.08
	8" X 2" MJ Tapped Plug	3 EA		\$	126.83	\$	380.49	\$	114.54	\$	343.62	\$	119.98	\$	359.94	\$	149.86	\$	449.58
	8" MJ Solid Sleeve	1 EA		\$	179.16	\$	179.16	\$	184.08	\$	184.08	\$	169.48	\$	169.48	\$	211.68	\$	211.68
				\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	16" Tie-In			\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
46	16" X 8" Flg Tee	4 EA		\$	1,593.07	\$	6,372.28	\$	1,535.50	\$	6,142.00	\$	1,507.02	\$	6,028.08	\$	1,882.28	\$	7,529.12
46	16" MJ Solid Sleeve	2 EA		\$	551.12	\$	1,102.24	\$	566.23	\$	1,132.46	\$	521.35	\$	1,042.70	\$	651.17	\$	1,302.34
46	16" Flg X MJ Adapt	1 EA		\$	594.91	\$	594.91	\$	611.22	\$	611.22	\$	562.78	\$	562.78	\$	702.92	\$	702.92
46	16" PC 200 TJ DIP	4 LF		\$	74.07	\$	296.26	\$	85.39	\$	341.56	\$	74.08	\$	296.32	\$	80.18	\$	320.72
				\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
45	16" Flg X MJ Valve	1 EA		\$	7,755.44	\$	7,755.44	\$	7,215.91	\$	7,215.91	\$	9,601.00	\$	9,601.00	\$	8,493.75	\$	8,493.75
45	16" Megalug For DIP	6 EA		\$	205.30	\$	1,231.77	\$	272.23	\$	1,633.38	\$	194.21	\$	1,165.26	\$	240.43	\$	1,442.58
45	16" MJ Acc Set Less Gland	6 EA		\$	55.74	\$	334.43	\$	-	\$	-	\$	57.97	\$	347.82	\$	112.11	\$	672.66
45	16" Flg Gasket	2 EA		\$	73.24	\$	146.48	\$	74.86	\$	149.72	\$	72.74	\$	145.48	\$	44.66	\$	89.32
45	16" Flg Bolt Set	2 EA		\$	15.42	\$	30.84	\$	-	\$	-	\$	-	\$	-	\$	91.57	\$	183.14
				\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
45	VB Top Section	1 EA		\$	72.50	\$	72.50	\$	72.50	\$	72.50	\$	75.40	\$	75.40	\$	53.66	\$	53.66
45	VB Lid	1 EA		\$	-	\$	-	\$	55.00	\$	55.00	\$	51.94	\$	51.94	\$	63.92	\$	63.92
45	VB Bottom Section	1 EA		\$	72.50	\$	72.50	\$	92.50	\$	92.50	\$	62.78	\$	62.78	\$	62.40	\$	62.40
45	Debris Cap	1 EA		\$	64.67	\$	64.67	\$	65.63	\$	65.63	\$	63.05	\$	63.05	\$	79.29	\$	79.29
				\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
				\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
39	Temp Cap For Testing			\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	8"x2" MJ Tapped Cap	1 EA		\$	111.48	\$	111.48	\$	114.54	\$	114.54	\$	105.45	\$	105.45	\$	105.84	\$	105.84
	2" Galv St Ell	2 EA		\$	15.80	\$	31.60	\$	15.02	\$	30.04	\$	22.12	\$	44.24	\$	32.31	\$	64.62
	2"x6" Galv Nipple	1 EA		\$	9.35	\$	9.35	\$	11.59	\$	11.59	\$	11.59	\$	11.59	\$	116.66	\$	116.66
	2" Threaded Brass Gate Valve	1 EA		\$	53.74	\$	53.74	\$	53.41	\$	53.41	\$	53.41	\$	53.41	\$	48.54	\$	48.54
	8" Megalug For DIP	1 EA		\$	50.18	\$	50.18	\$	79.38	\$	79.38	\$	47.47	\$	47.47	\$	49.07	\$	49.07
	8" MJ Acc Set Less Gland	1 EA		\$	29.59	\$	29.59	\$	-	\$	-	\$	26.62	\$	26.62	\$	35.28	\$	35.28
				\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
				\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
				\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
40	6" PC-350 DIP			\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	6" PC-350 RJ DIP	240 LF		\$	33.93	\$	8,142.24	\$	35.82	\$	8,596.80	\$	35.03	\$	8,407.20	\$	24.99	\$	5,997.60
	6" FIELD LOCK	12		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	95.63	\$	1,147.56
				\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	6" Fittings			\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	ID Tape	1 Roll		\$	37.83	\$	37.83	\$	33.17	\$	33.17	\$	48.26	\$	48.26	\$	68.80	\$	68.80
	Locator Wire AWG #14 THWN	1 Roll		\$	76.67	\$	76.67	\$	125.25	\$	125.25	\$	89.01	\$	89.01	\$	160.97	\$	160.97
	Poly Tape	1 Roll		\$	5.95	\$	5.95	\$	6.75	\$	6.75	\$	9.78	\$	9.78	\$	6.00	\$	6.00
				\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	Poly Wrap For 6" DIP	231 LF		\$	0.44	\$	101.64	\$	0.55	\$	127.05	\$	0.57	\$	131.67	\$	0.60	\$	138.60
	Poly Tape	5 Roll		\$	5.95	\$	29.75	\$	6.75	\$	33.75	\$	9.78	\$	48.90	\$	6.00	\$	30.00
				\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
	12"x6" MJ X Flg Tee	4 EA		\$	469.22	\$	1,876.88	\$	482.09	\$	1,928.36	\$	443.87	\$	1,775.48	\$	445.50	\$	1,782.00
	6" MJ 90 Bend	6 EA		\$	122.85	\$	737.10	\$	126.22	\$	757.32	\$	116.21	\$	697.26	\$	116.64	\$	699.84
	6"x2" MJ Cap	3 EA		\$	80.19	\$	240.58	\$	82.40	\$	247.20	\$	75.86	\$	227.58	\$	76.14	\$	228.42

	12" Megalug For DIP	9 EA		\$	108.37	\$	975.32	\$	151.72	\$	1,365.48	\$	102.52	\$	922.68	\$	105.96	\$	953.64	\$	953.64		
	12" MJ Acc Set Less Gland	9 EA		\$	35.26	\$	317.37	\$	-	\$	-	\$	36.67	\$	330.03	\$	50.02	\$	450.18	\$	450.18		
							\$	-			\$	-			\$	-			\$	-	\$	-	
	6" Megalug For DIP	5 EA		\$	33.40	\$	166.98	\$	58.25	\$	291.25	\$	31.59	\$	157.95	\$	32.65	\$	163.25	\$	163.25		
	6" MJ Acc Set Less Gland	5 EA		\$	22.75	\$	113.75	\$	-	\$	-	\$	23.66	\$	118.30	\$	32.45	\$	162.25	\$	162.25		
							\$	-			\$	-			\$	-			\$	-	\$	-	
							\$	-			\$	-			\$	-			\$	-	\$	-	
							\$	-			\$	-			\$	-			\$	-	\$	-	
41	4" Pipe						\$	-			\$	-			\$	-			\$	-	\$	-	
	4" PC-350 TJ DIP	60 LF		\$	37.41	\$	2,244.78	\$	38.25	\$	2,295.00	\$	37.41	\$	2,244.60	\$	36.56	\$	2,193.60	\$	2,193.60		
							\$	-			\$	-			\$	-			\$	-	\$	-	
							\$	-			\$	-			\$	-			\$	-	\$	-	
41	4" Fittings						\$	-			\$	-			\$	-			\$	-	\$	-	
	ID Tape			\$	37.83	\$	-	\$	33.17	\$	-	\$	33.17	\$	-	\$	68.80	\$	-	\$	-	\$	-
	Poly Tape			\$	5.95	\$	-	\$	6.75	\$	-	\$	9.78	\$	-	\$	6.00	\$	-	\$	-	\$	-
							\$	-			\$	-			\$	-			\$	-	\$	-	
	Poly Wrap For 4" DIP	EA		\$	0.44	\$	-	\$	0.55	\$	-	\$	0.57	\$	-	\$	0.60	\$	-	\$	-	\$	-
	Poly Tape	EA		\$	5.95	\$	-	\$	6.75	\$	-	\$	9.78	\$	-	\$	6.00	\$	-	\$	-	\$	-
							\$	-			\$	-			\$	-			\$	-	\$	-	
	12"x4" MJ X Flg Tee	2 EA		\$	444.76	\$	889.53	\$	452.25	\$	904.50	\$	420.74	\$	841.48	\$	422.28	\$	844.56	\$	844.56		
	12" Megalug For DIP	4 EA		\$	108.37	\$	433.48	\$	151.72	\$	606.88	\$	102.52	\$	410.08	\$	105.96	\$	423.84	\$	423.84		
	12" MJ Acc Set Less Gland	4 EA		\$	35.26	\$	141.05	\$	-	\$	-	\$	36.67	\$	146.68	\$	50.02	\$	200.08	\$	200.08		
	4" Megalug For DIP	8 EA		\$	28.40	\$	227.16	\$	47.17	\$	377.36	\$	26.86	\$	214.88	\$	27.76	\$	222.08	\$	222.08		
	4" MJ Acc Set Less Gland	8 EA		\$	19.91	\$	159.25	\$	-	\$	-	\$	20.70	\$	165.60	\$	25.92	\$	207.36	\$	207.36		
	4" MJ 90	4 EA		\$	76.08	\$	304.30	\$	77.14	\$	308.56	\$	71.02	\$	284.08	\$	71.28	\$	285.12	\$	285.12		
							\$	-			\$	-			\$	-			\$	-	\$	-	
41	Temp Cap For Testing						\$	-			\$	-			\$	-			\$	-	\$	-	
	4"x2" MJ Tapped Cap	2 EA		\$	58.58	\$	117.16	\$	60.20	\$	120.40	\$	55.42	\$	110.84	\$	55.62	\$	111.24	\$	111.24		
	2" Galv St Ell	4 EA		\$	15.80	\$	63.20	\$	15.02	\$	60.08	\$	22.12	\$	88.48	\$	32.31	\$	129.24				
	2"x6' Galv Nipple	2 EA		\$	62.02	\$	124.04	\$	62.02	\$	124.04	\$	62.02	\$	124.04	\$	116.66	\$	233.32				
	2" Threaded Brass Gate Valve	2 EA		\$	53.74	\$	107.48	\$	58.95	\$	117.90	\$	53.41	\$	106.82	\$	48.54	\$	97.08				
	4" Megalug For DIP	2 EA		\$	28.40	\$	56.79	\$	47.17	\$	94.34	\$	26.86	\$	53.72	\$	27.76	\$	55.52	\$	55.52		
	4" MJ Acc Set Less Gland	2 EA		\$	19.91	\$	39.81	\$	-	\$	-	\$	20.70	\$	41.40	\$	25.92	\$	51.84	\$	51.84		
							\$	-			\$	-			\$	-			\$	-	\$	-	
							\$	-			\$	-			\$	-			\$	-	\$	-	
							\$	-			\$	-			\$	-			\$	-	\$	-	
	12" Swing Tie-in At ACP						\$	-			\$	-			\$	-			\$	-	\$	-	
50	12" Dresser ACP X DIP	4 EA		\$	523.28	\$	2,093.11	\$	549.44	\$	2,197.76	\$	392.11	\$	1,568.44	\$	615.89	\$	2,463.56	\$	2,463.56		
							\$	-			\$	-			\$	-			\$	-	\$	-	
	12" MJ 45 Bend	6 EA		\$	312.81	\$	1,876.88	\$	321.39	\$	1,928.34	\$	295.92	\$	1,775.52	\$	297.00	\$	1,782.00	\$	1,782.00		
	12" MJ 90 Bend	2 EA		\$	378.22	\$	756.44	\$	384.58	\$	769.16	\$	357.79	\$	715.58	\$	359.10	\$	718.20	\$	718.20		
							\$	-			\$	-			\$	-			\$	-	\$	-	
	12" Megalug For DIP	16 EA		\$	108.37	\$	1,733.90	\$	151.72	\$	2,427.52	\$	102.52	\$	1,640.32	\$	105.96	\$	1,695.36	\$	1,695.36		
	12" MJ Acc Set Less Gland	8 EA		\$	35.26	\$	282.10	\$	-	\$	-	\$	36.67	\$	293.36	\$	50.02	\$	400.16	\$	400.16		
							\$	-			\$	-			\$	-			\$	-	\$	-	
50	Temp Cap For Testing						\$	-			\$	-			\$	-			\$	-	\$	-	
	12"x2" MJ Tapped Cap	3 EA		\$	183.14	\$	549.41	\$	188.16	\$	564.48	\$	173.25	\$	519.75	\$	173.88	\$	521.64	\$	521.64		
	2" Galv St Ell	6 EA		\$	15.80	\$	94.80	\$	15.02	\$	90.12	\$	22.12	\$	132.72	\$	32.31	\$	193.86				
	2"x6' Galv Nipple	3 EA		\$	62.02	\$	186.06	\$	62.02	\$	186.06	\$	62.02	\$	186.06	\$	116.66	\$	349.98				
	2" Threaded Brass Gate Valve	3 EA		\$	53.74	\$	161.23	\$	58.95	\$	176.85	\$	53.41	\$	160.23	\$	48.54	\$	145.62				
	12" Megalug For DIP	3 EA		\$	108.37	\$	325.11	\$	151.72	\$	455.16	\$	102.52	\$	307.56	\$	105.96	\$	317.88	\$	317.88		
	12" MJ Acc Set Less Gland	3 EA		\$	35.26	\$	105.79	\$	-	\$	-	\$	36.67	\$	110.01	\$	50.02	\$	150.06	\$	150.06		
							\$	-			\$	-			\$	-			\$	-	\$	-	
							\$	-			\$	-			\$	-			\$	-	\$	-	
							\$	-			\$	-			\$	-			\$	-	\$	-	
52&53	8" Swing Tie-in At ACP						\$	-			\$	-			\$	-			\$	-	\$	-	
	8" Dresser ACP X DIP	4 EA		\$	335.13	\$	1,340.50	\$	351.89	\$	1,407.56	\$	224.81	\$	899.24	\$	418.77	\$	1,675.08	\$	1,675.08		
	8" Dresser PVC X DIP	1 EA		\$	335.13	\$	335.13	\$	351.89	\$	351.89	\$	224.81	\$	224.81	\$	418.77	\$	418.77	\$	418.77		
							\$	-			\$	-			\$	-			\$	-	\$	-	
	8" MJ 45 Bend	8 EA		\$	145.03	\$	1,160.25	\$	149.02	\$	1,192.16	\$	137.20	\$	1,097.60	\$	137.70	\$	1,101.60	\$	1,101.60		
	8" MJ 90 Bend	2 EA		\$	177.45	\$	354.90	\$	182.32	\$	364.64	\$	167.86	\$	335.72	\$	168.48	\$	336.96	\$	336.96		
							\$	-			\$	-			\$	-			\$	-	\$	-	
	8" Megalug For DIP	20 EA		\$	50.18	\$	1,003.68	\$	79.38	\$	1,587.60	\$	47.47	\$	949.40	\$	49.07	\$	981.40	\$	981.40		

	8" MJ Acc Set Less Gland	20 EA		\$	25.59	\$	511.88		\$	-	\$	26.62	\$	532.40		\$	35.28	\$	705.60	\$	705.60	
							\$	-		\$	-			\$	-				\$	-	\$	-
	Temp Cap For Testing						\$	-		\$	-			\$	-				\$	-	\$	-
	8"x2" MJ Tapped Cap	6 EA		\$	111.48	\$	668.85	\$	114.54	\$	687.24	\$	105.45	\$	632.70	\$	105.84	\$	635.04	\$	635.04	
	2" Galv St Ell	12 EA		\$	15.80	\$	189.60	\$	62.02	\$	744.24	\$	22.12	\$	265.44	\$	32.31	\$	387.72			
	2"x6" Galv Nipple	6 EA		\$	62.02	\$	372.12	\$	62.02	\$	372.12	\$	62.02	\$	372.12	\$	116.66	\$	699.96			
	2" Threaded Brass Gate Valve	6 EA		\$	53.74	\$	322.45	\$	58.95	\$	353.70	\$	53.41	\$	320.46	\$	48.54	\$	291.24			
	8" Megalug For DIP	6 EA		\$	50.18	\$	301.10	\$	79.38	\$	476.28	\$	47.47	\$	284.82	\$	49.07	\$	294.42	\$	294.42	
	8" MJ Acc Set Less Gland	6 EA		\$	25.59	\$	153.56		\$	-	\$	26.62	\$	159.72	\$	35.28	\$	211.68	\$	211.68		
							\$	-		\$	-			\$	-				\$	-		
							\$	-		\$	-			\$	-				\$	-		
							\$	-		\$	-			\$	-				\$	-		
54&55	6" Swing Tie-in At ACP						\$	-		\$	-			\$	-				\$	-		
	6" Dresser ACP X DIP	4 EA		\$	263.06	\$	1,052.23	\$	276.22	\$	1,104.88	\$	226.00	\$	904.00	\$	260.48	\$	1,041.92	\$	1,041.92	
	6" Dresser PVC X DIP	1 EA		\$	263.06	\$	263.06	\$	276.22	\$	276.22	\$	226.00	\$	226.00	\$	260.48	\$	260.48	\$	260.48	
	6" MJ 45 Bend	6 EA		\$	99.53	\$	597.19	\$	102.27	\$	613.62	\$	94.15	\$	564.90	\$	94.50	\$	567.00	\$	567.00	
	6" MJ 90 Bend	5 EA		\$	122.85	\$	614.25	\$	126.22	\$	631.10	\$	116.21	\$	581.05	\$	116.64	\$	583.20	\$	583.20	
							\$	-		\$	-			\$	-				\$	-		
	6" Megalug For DIP	22 EA		\$	33.40	\$	734.69	\$	58.25	\$	1,281.50	\$	31.59	\$	694.98	\$	32.65	\$	718.30	\$	718.30	
	6" MJ Acc Set Less Gland	22 EA		\$	22.75	\$	500.50		\$	-	\$	23.66	\$	520.52	\$	32.45	\$	713.90	\$	713.90		
							\$	-		\$	-			\$	-				\$	-		
40	Temp Cap For Testing						\$	-		\$	-			\$	-				\$	-		
	6"x2" MJ Tapped Cap	4 EA		\$	80.19	\$	320.78	\$	82.40	\$	329.60	\$	75.86	\$	303.44	\$	76.14	\$	304.56	\$	304.56	
	2" Galv St Ell	11 EA		\$	15.80	\$	173.80	\$	15.02	\$	165.22	\$	22.12	\$	243.32	\$	32.31	\$	355.41			
	2"x6" Galv Nipple	4 EA		\$	62.02	\$	248.08	\$	62.02	\$	248.08	\$	62.02	\$	248.08	\$	116.66	\$	466.64			
	2" Threaded Brass Gate Valve	4 EA		\$	53.74	\$	214.97	\$	58.95	\$	235.80	\$	53.41	\$	213.64	\$	48.54	\$	194.16			
	6" Megalug For DIP	4 EA		\$	33.40	\$	133.58	\$	58.25	\$	233.00	\$	31.59	\$	126.36	\$	32.65	\$	130.60	\$	130.60	
	6" MJ Acc Set Less Gland	4 EA		\$	22.75	\$	91.00		\$	-	\$	23.66	\$	94.64	\$	32.45	\$	129.80	\$	129.80		
							\$	-		\$	-			\$	-				\$	-		
							\$	-		\$	-			\$	-				\$	-		
							\$	-		\$	-			\$	-				\$	-		
56	4" Swing Tie-in At ACP						\$	-		\$	-			\$	-				\$	-		
	4" Dresser ACP X DIP	1 EA		\$	193.33	\$	193.33	\$	203.00	\$	203.00	\$	160.27	\$	160.27	\$	191.84	\$	191.84	\$	191.84	
							\$	-		\$	-			\$	-				\$	-		
	6"x4" MJ Reducer	1 EA		\$	71.66	\$	71.66	\$	73.63	\$	73.63	\$	67.79	\$	67.79	\$	84.68	\$	84.68	\$	84.68	
							\$	-		\$	-			\$	-				\$	-		
	6" Megalug For DIP	1 EA		\$	33.40	\$	33.40	\$	58.25	\$	58.25	\$	31.59	\$	31.59	\$	32.65	\$	32.65	\$	32.65	
	6" MJ Acc Set Less Gland	1 EA		\$	22.75	\$	22.75		\$	-	\$	23.66	\$	23.66	\$	32.45	\$	32.45	\$	32.45		
	4" Megalug For DIP	1 EA		\$	28.40	\$	28.40	\$	47.17	\$	47.17	\$	26.86	\$	26.86	\$	27.76	\$	27.76	\$	27.76	
	4" MJ Acc Set Less Gland	1 EA		\$	19.91	\$	19.91		\$	-	\$	20.70	\$	20.70	\$	25.92	\$	25.92	\$	25.92		
							\$	-		\$	-			\$	-				\$	-		
	Temp Cap For Testing						\$	-		\$	-			\$	-				\$	-		
	4"x2" MJ Tapped Cap	1 EA		\$	58.58	\$	58.58	\$	60.20	\$	60.20	\$	55.42	\$	55.42	\$	55.62	\$	55.62	\$	55.62	
	2" Galv St Ell	2 EA		\$	15.80	\$	31.60	\$	15.02	\$	30.04	\$	22.12	\$	44.24	\$	32.31	\$	64.62			
	2"x6" Galv Nipple	1 EA		\$	62.02	\$	62.02	\$	62.02	\$	62.02	\$	62.02	\$	62.02	\$	116.66	\$	116.66			
	2" Threaded Brass Gate Valve	1 EA		\$	53.74	\$	53.74	\$	58.95	\$	58.95	\$	53.41	\$	53.41	\$	48.54	\$	48.54			
	4" Megalug For DIP	1 EA		\$	28.40	\$	28.40	\$	47.17	\$	47.17	\$	26.86	\$	26.86	\$	27.76	\$	27.76	\$	27.76	
	4" MJ Acc Set Less Gland	1 EA		\$	19.91	\$	19.91		\$	-	\$	20.70	\$	20.70	\$	25.92	\$	25.92	\$	25.92		
							\$	-		\$	-			\$	-				\$	-		
							\$	-		\$	-			\$	-				\$	-		
	Half Vert. Realignment UP or Down						\$	-		\$	-			\$	-				\$	-		
							\$	-		\$	-			\$	-				\$	-		
38	12" Vert Realignment	8 EA					\$	-		\$	-			\$	-				\$	-		
	12" MJ 22-1/2 Bend	2 EA		\$	273.57	\$	547.14	\$	281.08	\$	562.16	\$	258.79	\$	517.58	\$	259.74	\$	519.48	\$	519.48	
	12" MJ 45 Bend	14 EA		\$	312.81	\$	4,379.38	\$	32.39	\$	453.46	\$	295.92	\$	4,142.88	\$	297.00	\$	4,158.00	\$	4,158.00	
	12" Megalug For DIP	32 EA		\$	108.36	\$	3,467.52	\$	151.72	\$	4,855.04	\$	102.52	\$	3,280.64	\$	105.96	\$	3,390.72	\$	3,390.72	
	12" MJ Acc Set Less Gland	32 EA		\$	35.26	\$	1,128.42		\$	-	\$	36.67	\$	1,173.44	\$	50.02	\$	1,600.64	\$	1,600.64		
							\$	-		\$	-			\$	-				\$	-		
39	8" Vert Realignment	5 EA					\$	-		\$	-			\$	-				\$	-		
	8" MJ 45 Bend	10 EA		\$	145.03	\$	1,450.31	\$	149.02	\$	1,490.20	\$	137.20	\$	1,372.00	\$	137.70	\$	1,377.00	\$	1,377.00	
	8" Megalug For DIP	20 EA		\$	50.18	\$	1,003.68	\$	79.38	\$	1,587.60	\$	47.47	\$	949.40	\$	49.07	\$	981.40	\$	981.40	
	8" MJ Acc Set Less Gland	16 EA		\$	25.59	\$	409.50		\$	-	\$	26.62	\$	425.92	\$	35.28	\$	564.48	\$	564.48		

40	6" Vert Realignment	1 EA			\$	-	\$	-	\$	-	\$	-	\$	-	\$	-						
		6" MJ 45 Bend	4 EA		\$	99.53	\$	398.12	\$	102.27	\$	409.08	\$	94.15	\$	376.60	\$	94.50	\$	378.00	\$	378.00
		6" Megalug For DIP	8 EA		\$	33.40	\$	267.16	\$	58.25	\$	466.00	\$	31.59	\$	252.72	\$	32.65	\$	261.20	\$	261.20
		6" MJ Acc Set Less Gland	4 EA		\$	22.75	\$	91.00			\$	-	\$	23.66	\$	94.64	\$	32.45	\$	129.80	\$	129.80
Full Vert. Realignment UP and Down		5 EA																				
38	12" Vert Realignment																					
		12" MJ 45 Bend	18 EA		\$	312.81	\$	5,630.63	\$	321.39	\$	5,785.02	\$	295.92	\$	5,326.56	\$	297.00	\$	5,346.00	\$	5,346.00
		12" Megalug For DIP	36 EA		\$	108.37	\$	3,901.28	\$	151.72	\$	5,461.92	\$	102.52	\$	3,690.72	\$	105.96	\$	3,814.56	\$	3,814.56
		12" MJ Acc Set Less Gland	36 EA		\$	35.26	\$	1,269.47			\$	-	\$	36.67	\$	1,320.12	\$	50.02	\$	1,800.72	\$	1,800.72
39	8" Vert Realignment																					
		8" MJ 45 Bend	16 EA		\$	145.03	\$	2,320.50	\$	149.02	\$	2,384.32	\$	137.20	\$	2,195.20	\$	137.70	\$	2,203.20	\$	2,203.20
		8" Megalug For DIP	32 EA		\$	50.18	\$	1,605.89	\$	79.38	\$	2,540.16	\$	47.47	\$	1,519.04	\$	49.07	\$	1,570.24	\$	1,570.24
		8" MJ Acc Set Less Gland	32 EA		\$	25.59	\$	819.01			\$	-	\$	26.62	\$	851.84	\$	35.28	\$	1,128.96	\$	1,128.96
40	6" Vert Realignment																					
		6" MJ 45 Bend	16 EA		\$	99.53	\$	1,592.50	\$	102.27	\$	1,636.32	\$	94.15	\$	1,506.40	\$	94.50	\$	1,512.00	\$	1,512.00
		6" Megalug For DIP	32 EA		\$	33.40	\$	1,068.64	\$	58.25	\$	1,864.00	\$	31.59	\$	1,010.88	\$	32.65	\$	1,044.80	\$	1,044.80
		6" MJ Acc Set Less Gland	32 EA		\$	22.75	\$	728.00			\$	-	\$	23.66	\$	757.12	\$	32.45	\$	1,038.40	\$	1,038.40
37	12" Valve																					
		12" Flg X MJ Valve	30 EA		\$	2,460.23	\$	73,807.02	\$	2,650.87	\$	79,526.10	\$	2,732.91	\$	81,987.30	\$	2,775.74	\$	83,272.20	\$	83,272.20
		12" MJ Valve	11 EA		\$	2,577.41	\$	28,351.49	\$	2,778.19	\$	30,560.09	\$	2,864.29	\$	31,507.19	\$	2,909.04	\$	31,999.44	\$	31,999.44
		12" Flg Bolt Set	30 EA		\$	40.90	\$	1,227.00	\$	49.31	\$	1,479.30	\$	68.25	\$	2,047.50	\$	34.24	\$	1,027.20	\$	1,027.20
		12" Flg Gasket	30 EA		\$	10.80	\$	324.00			\$	-			\$	-	\$	19.93	\$	597.90	\$	597.90
		12" Mega Lug For DIP	52 EA		\$	108.37	\$	5,635.19	\$	151.72	\$	7,889.44	\$	102.52	\$	5,331.04	\$	105.93	\$	5,508.36	\$	5,508.36
		12" MJ Acc Set Lass Gland	52 EA		\$	35.26	\$	1,833.68			\$	-	\$	36.67	\$	1,906.84	\$	50.02	\$	2,601.04	\$	2,601.04
		VB Top Section	41 EA		\$	72.50	\$	2,972.50	\$	72.50	\$	2,972.50	\$	75.40	\$	3,091.40	\$	53.66	\$	2,200.06	\$	2,200.06
		VB Lid	41 EA		\$	41.88	\$	1,716.88	\$	55.00	\$	2,255.00	\$	51.94	\$	2,129.54	\$	63.92	\$	2,620.72	\$	2,620.72
		VB Bottom Section	41 EA		\$	72.50	\$	2,972.50	\$	92.00	\$	3,772.00	\$	62.78	\$	2,573.98	\$	62.40	\$	2,558.40	\$	2,558.40
		Debris Cap	41 EA		\$	64.67	\$	2,651.35	\$	65.63	\$	2,690.83	\$	63.05	\$	2,585.05	\$	79.29	\$	3,250.89	\$	3,250.89
		VB Stem Extention 8'	2 EA		\$	440.70	\$	881.40			\$	-			\$	-			\$	-	\$	-
		Small Dirt Ring	2 EA		\$	79.62	\$	159.25	\$	100.50	\$	201.00	\$	100.50	\$	201.00	\$	308.57	\$	617.14	\$	617.14
		VB Extention 8'	2 EA		\$	92.50	\$	185.00	\$	356.29	\$	712.58	\$	356.29	\$	712.58	\$	74.25	\$	148.50	\$	148.50
42 & 43	12" Permaseal Insurtion Valve																					
		12" Insertion Valve	6 EA																			
		VB Top Section	6 EA		\$	72.50	\$	435.00	\$	72.50	\$	435.00	\$	75.40	\$	452.40	\$	53.66	\$	321.96	\$	321.96
		VB Lid	6 EA		\$	41.88	\$	251.25	\$	92.50	\$	555.00	\$	51.94	\$	311.64	\$	63.92	\$	383.52	\$	383.52
		VB Bottom Section	6 EA		\$	72.50	\$	435.00	\$	55.00	\$	330.00	\$	62.78	\$	376.68	\$	62.40	\$	374.40	\$	374.40
		Debris Cap	6 EA		\$	64.67	\$	388.00	\$	65.00	\$	390.00	\$	63.05	\$	378.30	\$	72.29	\$	433.74	\$	433.74
		12" MJ Cap	1 EA		\$	152.99	\$	152.99	\$	157.20	\$	157.20	\$	144.73	\$	144.73	\$	180.77	\$	180.77	\$	180.77
		12" Megalug For DIP	1 EA		\$	108.37	\$	108.37	\$	151.72	\$	151.72	\$	102.52	\$	102.52	\$	105.96	\$	105.96	\$	105.96
		12" MJ Acc Set Less Gland	1 EA		\$	35.26	\$	35.26			\$	-	\$	36.67	\$	36.67	\$	50.02	\$	50.02	\$	50.02

40	6" Flg X MJ Adapt	6 EA		\$	98.39	\$	590.36	\$	101.10	\$	606.60	\$	93.08	\$	558.48	\$	93.42	\$	560.52	\$	560.52
40	6" X 24" Grade Lock	1 EA		\$	654.65	\$	654.65	\$	404.56	\$	404.56	\$	486.24	\$	486.24	\$	867.28	\$	867.28	\$	867.28
40	6" MJ 90 Bend	3 EA		\$	122.85	\$	368.55	\$	126.22	\$	378.66	\$	116.21	\$	348.63	\$	116.64	\$	349.92	\$	349.92
40	6" MJ X Flg 90 Bend	1 EA		\$	150.72	\$	150.72	\$	154.61	\$	154.61	\$	142.58	\$	142.58	\$	178.08	\$	178.08	\$	178.08
40	12" Megalug For DIP	12 EA		\$	108.37	\$	1,300.43	\$	151.72	\$	1,820.64	\$	102.52	\$	1,230.24	\$	105.96	\$	1,271.52	\$	1,271.52
40	12" MJ Acc Set Less Gland	12 EA		\$	35.26	\$	423.16			\$	-	\$	36.67	\$	440.04	\$	50.02	\$	600.24	\$	600.24
40	8" Megalug For DIP	5 EA		\$	50.18	\$	250.92	\$	79.38	\$	396.90	\$	47.47	\$	237.35	\$	49.07	\$	245.35	\$	245.35
40	8" MJ Acc Set Less Gland	5 EA		\$	25.59	\$	127.97			\$	-	\$	26.62	\$	133.10	\$	35.28	\$	176.40	\$	176.40
40	6" Megalug For DIP	50 EA		\$	33.40	\$	1,669.75	\$	58.25	\$	2,912.50	\$	31.59	\$	1,579.50	\$	32.65	\$	1,632.50	\$	1,632.50
40	6" MJ Acc Set Less Gland	50 EA		\$	22.75	\$	1,137.50			\$	-	\$	23.66	\$	1,183.00	\$	32.45	\$	1,622.50	\$	1,622.50
40					\$	-				\$	-		\$	-				\$	-		-
40	6" Flg X MJ Valve	11 EA		\$	821.05	\$	9,031.59	\$	884.04	\$	9,724.44	\$	911.53	\$	10,026.83	\$	925.66	\$	10,182.26	\$	10,182.26
40	6" MJ Valve	2 EA		\$	821.05	\$	1,642.10	\$	884.04	\$	1,768.08	\$	911.53	\$	1,823.06	\$	925.66	\$	1,851.32	\$	1,851.32
40	VB Top Section	13 EA		\$	72.50	\$	942.50	\$	72.50	\$	942.50	\$	75.40	\$	980.20	\$	53.66	\$	697.58	\$	697.58
40	VB Lid	13 EA		\$	41.86	\$	544.15	\$	92.50	\$	1,202.50	\$	51.94	\$	675.22	\$	63.92	\$	830.96	\$	830.96
40	VB Bottom Section	13 EA		\$	72.50	\$	942.50	\$	55.00	\$	715.00	\$	63.05	\$	819.65	\$	62.40	\$	811.20	\$	811.20
40	Debris Cap	13 EA		\$	64.67	\$	840.67	\$	65.63	\$	853.19	\$	63.05	\$	819.65	\$	79.29	\$	1,030.77	\$	1,030.77
40					\$	-				\$	-		\$	-				\$	-		-
40	6" Flg Bolt Set	12 EA		\$	15.70	\$	188.40	\$	19.80	\$	237.60	\$	25.48	\$	305.76	\$	16.94	\$	203.28	\$	203.28
40	6" Flg Gasket	12 EA		\$	4.00	\$	48.00			\$	-		\$	-		\$	11.34	\$	136.08	\$	136.08
40					\$	-				\$	-		\$	-				\$	-		-
40	6" TJ DIP	220 LF		\$	24.77	\$	5,449.18	\$	26.15	\$	5,753.00	\$	25.58	\$	5,627.60	\$	24.99	\$	5,497.80	\$	5,497.80
40	6" TJ Joint Restraint	11 EA		\$	81.26	\$	893.85	\$	81.26	\$	893.86			\$	-	\$	95.63	\$	1,051.93	\$	1,051.93
					\$	-				\$	-		\$	-				\$	-		-
57	FH 4'6" Bury	13 EA		\$	2,596.84	\$	33,758.95	\$	2,767.83	\$	35,981.79	\$	2,844.52	\$	36,978.76	\$	2,965.38	\$	38,549.94	\$	38,549.94
57	"Out Of Service" Sign	13 EA		\$	10.00	\$	130.00	\$	46.56	\$	605.28	\$	11.92	\$	154.96	\$	8.76	\$	113.88		
					\$	-				\$	-		\$	-				\$	-		-
61	<u>2" Service</u>				\$	-				\$	-		\$	-				\$	-		-
					\$	-				\$	-		\$	-				\$	-		-
	12"x2" Saddle	3 EA		\$	304.02	\$	912.05	\$	273.41	\$	820.23	\$	347.24	\$	1,041.72	\$	306.25	\$	918.75	\$	918.75
	2" Corp	3 EA		\$	335.19	\$	1,005.58	\$	371.34	\$	1,114.02	\$	375.61	\$	1,126.83	\$	320.38	\$	961.14		
	2" cs male adapter	7 EA		\$	14.66	\$	102.63	\$	26.53	\$	185.71	\$	38.88	\$	272.16	\$	31.89	\$	223.23		
	2 cs 90	7 EA						\$	24.15	\$	169.05	\$	22.26	\$	155.82	\$	25.41	\$	177.87		
	2 cs 45	3 EA						\$	22.32			\$	32.68	\$	98.04	\$	21.35	\$	64.05		
	2" Meter Stop	3 EA		\$	400.20	\$	1,200.61	\$	436.09	\$	1,308.27	\$	495.23	\$	1,485.69	\$	324.05	\$	972.15		
	Meter Box	3 EA		\$	85.66	\$	256.99	\$	89.32	\$	267.96	\$	101.92	\$	305.76	\$	108.49	\$	325.47		
	Meter Box Lid	3 EA		\$	162.18	\$	486.53	\$	156.25	\$	468.75	\$	133.13	\$	399.39	\$	202.97	\$	608.91		
					\$	-				\$	-		\$	-				\$	-		-
	2" K-Hard Copper	80 LF		\$	21.08	\$	1,686.00	\$	20.39	\$	1,631.20	\$	20.54	\$	1,643.20	\$	19.18	\$	1,534.40		
	2" Copper Sweat 45 Bends	4 EA		\$	12.32	\$	49.29	\$	22.32	\$	89.28	\$	32.68	\$	130.72	\$	21.35	\$	85.40		
	2" Copper Sweat 90 Bends	7 EA		\$	13.28	\$	92.94	\$	24.15	\$	169.05	\$	22.26	\$	155.82	\$	23.01	\$	161.07		
					\$	-				\$	-		\$	-				\$	-		-
61	<u>Privat Side Tie-In</u>				\$	-				\$	-		\$	-				\$	-		-
	2" Meter Flg	3 EA		\$	85.02	\$	255.05	\$	45.66	\$	136.98	\$	94.70	\$	284.10	\$	48.06	\$	144.18		
	2" NB & G Set	4 EA		\$	6.60	\$	26.40			\$	-	\$	67.73	\$	270.92	\$	2.83	\$	11.34		
	2" Copper X MIP Adapt	4 EA		\$	14.66	\$	58.65	\$	26.53	\$	106.12	\$	38.88	\$	155.52	\$	25.41	\$	101.64		
	2" Copper Sweat 90 Bends	5 EA		\$	13.28	\$	66.39	\$	24.15	\$	120.75	\$	22.26	\$	111.30	\$	23.01	\$	115.05		
	2" K-Hard Copper	60 LF		\$	21.08	\$	1,264.50	\$	20.39	\$	1,223.40	\$	20.54	\$	1,232.40	\$	19.18	\$	1,150.80		
					\$	-				\$	-		\$	-				\$	-		-
61	<u>2" Water service Tie-in No Meter Box</u>				\$	-				\$	-		\$	-				\$	-		-
	12"x2" Service Saddle	2 EA		\$	304.02	\$	608.04	\$	273.41	\$	546.82	\$	347.24	\$	694.48	\$	306.25	\$	612.50	\$	612.50
	2" K-Hard Copper	100 LF		\$	21.08	\$	2,107.50	\$	20.39	\$	2,039.00	\$	20.54	\$	2,054.00	\$	19.18	\$	1,918.00		
	2" Copper Sweat 45 Bends	8 EA		\$	12.32	\$	98.58	\$	22.32	\$	178.56	\$	32.68	\$	261.44	\$	21.35	\$	170.80		
	2" Copper Sweat 90 Bends	4 EA		\$	13.28	\$	53.11	\$	24.15	\$	96.60	\$	22.26	\$	89.04	\$	23.01	\$	92.04		
	2" Copper Sweat Coupling	4 EA		\$	6.68	\$	26.71	\$	12.12	\$	48.48	\$	17.71	\$	70.84	\$	11.57	\$	46.28		
					\$	-				\$	-		\$	-				\$	-		-
					\$	-				\$	-		\$	-				\$	-		-
60	<u>1-1/2" Service</u>				\$	-				\$	-		\$	-				\$	-		-
					\$	-				\$	-		\$	-				\$	-		-
	12"x1-1/2" Saddle	12 EA		\$	298.63	\$	3,583.60	\$	264.60	\$	3,175.20	\$	341.04	\$	4,092.48	\$	300.83	\$	3,609.96	\$	3,609.96
	1-1/2" Corp	12 EA		\$	207.26	\$	2,487.06	\$	182.90	\$	2,194.80	\$	227.13	\$	2,725.56	\$	187.85	\$	2,254.20		

	1-1/2" cs mip adaptor	24 ea		\$	8.66	\$	207.89	\$	15.97	\$	383.28	\$	15.97	\$	383.28	\$	15.02	\$	360.48		
	1-1/2" Meter Stop	12 EA		\$	339.14	\$	4,069.72	\$	387.57	\$	4,650.84	\$	388.54	\$	4,662.48	\$	324.13	\$	3,889.56		
	Meter Box	12 EA		\$	85.66	\$	1,027.96	\$	89.32	\$	1,071.84	\$	101.92	\$	1,223.04	\$	108.49	\$	1,301.88		
	Meter Box Lid	12 EA		\$	162.18	\$	1,946.10	\$	156.25	\$	1,875.00	\$	133.13	\$	1,597.56	\$	202.97	\$	2,435.64		
				\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
	1-1/2" K-Hard Copper	380 LF		\$	14.02	\$	5,327.98	\$	13.45	\$	5,111.00	\$	11.85	\$	4,503.00	\$	13.62	\$	5,175.60		
	1-1/2" Copper Sweat 45 Bends	18 EA		\$	7.39	\$	132.93	\$	13.33	\$	239.94	\$	19.57	\$	352.26	\$	12.79	\$	230.22		
	1-1/2" Copper Sweat 90 Bends	22 EA		\$	7.29	\$	160.42	\$	13.61	\$	299.42	\$	12.72	\$	279.84	\$	12.64	\$	278.08		
	1-1/2" Copper Sweat Coupling	18 EA		\$	4.00	\$	72.00	\$	7.81	\$	140.58	\$	10.62	\$	191.16	\$	6.94	\$	124.92		
				\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
60	<u>Private Side Tie-In</u>			\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
	1-1/2" Meter Flg	12 EA		\$	65.11	\$	781.30	\$	43.89	\$	526.68	\$	73.55	\$	882.60	\$	44.39	\$	532.68		
	1-1/2" NB & G Set	12 EA		\$	6.60	\$	79.20	\$	-	\$	-	\$	39.89	\$	478.68	\$	1.69	\$	20.24		
	1-1/2" Copper X MIP Adapt	12 EA		\$	8.66	\$	103.94	\$	15.97	\$	191.64	\$	22.98	\$	275.76	\$	15.02	\$	180.24		
	1-1/2" Copper Sweat 90 Bends	22 EA		\$	7.29	\$	160.42	\$	13.61	\$	299.42	\$	12.72	\$	279.84	\$	12.64	\$	278.08		
	1-1/2" K-Hard Copper	140 LF		\$	14.02	\$	1,962.94	\$	7.81	\$	1,093.40	\$	11.85	\$	1,659.00	\$	13.62	\$	1,906.80		
				\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
				\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
60	<u>1-1/2" Service tie-in Existing Meter</u>			\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
				\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
	12"x1-1/2" Saddle	1 EA		\$	298.63	\$	298.63	\$	264.60	\$	264.60	\$	341.04	\$	341.04	\$	300.83	\$	300.83	\$	300.83
	1-1/2" Corp	1 EA		\$	207.26	\$	207.26	\$	182.90	\$	182.90	\$	227.13	\$	227.13	\$	187.85	\$	187.85		
	1-1/2" Copper X MIP Adapt	2 ea		\$	8.66	\$	17.32	\$	15.97	\$	31.94	\$	15.97	\$	31.94	\$	15.97	\$	31.94		
	1-1/2" Meter Stop	1 EA		\$	339.14	\$	339.14	\$	387.57	\$	387.57	\$	388.54	\$	388.54	\$	324.13	\$	324.13		
	1-1/2" K-Hard Copper	80 LF		\$	14.02	\$	1,121.68	\$	7.81	\$	624.80	\$	11.85	\$	948.00	\$	13.62	\$	1,089.60		
	1-1/2" Copper Sweat 90 Bends	5 EA		\$	7.29	\$	36.46	\$	13.61	\$	68.05	\$	12.72	\$	63.60	\$	12.64	\$	63.20		
	1-1/2" Copper Sweat 45 Bends	3 EA		\$	7.39	\$	22.16	\$	13.33	\$	39.99	\$	19.57	\$	58.71	\$	12.79	\$	38.37		
	1-1/2" Copper Sweat Coupling	3 EA		\$	4.00	\$	12.00	\$	7.81	\$	23.43	\$	10.62	\$	31.86	\$	6.94	\$	20.82		
				\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
				\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
				\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
59	<u>1" Water service</u>			\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
	12"x1" Service Saddle	5 EA		\$	264.78	\$	1,323.90	\$	252.76	\$	1,263.80	\$	302.35	\$	1,511.75	\$	266.72	\$	1,333.60	\$	1,333.60
	1" Corp	5 EA		\$	95.56	\$	477.79	\$	77.05	\$	385.25	\$	100.65	\$	503.25	\$	91.34	\$	456.70		
	1" K-soft Copper	130 LF		\$	9.67	\$	1,256.71	\$	9.31	\$	1,210.30	\$	10.32	\$	1,341.60	\$	10.03	\$	1,303.90		
	1" Meter Stop	5 EA		\$	171.08	\$	855.40	\$	182.55	\$	912.75	\$	186.31	\$	931.55	\$	163.49	\$	817.45		
	Meter Box Bottom	5 EA		\$	60.74	\$	303.72	\$	63.07	\$	315.35	\$	72.27	\$	361.35	\$	45.00	\$	225.00		
	Meter Box Lid	5 EA		\$	97.53	\$	487.63	\$	104.19	\$	520.95	\$	66.89	\$	334.45	\$	146.29	\$	731.45		
	4"x6' SCH-40 Steel Pipe Pe X Pe			\$	200.00	\$	-	\$	-	\$	-	\$	176.47	\$	-	\$	-	\$	-		
				\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
				\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
				\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
				\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
59	<u>Private Side Tie-in</u>			\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
	1" Meter Coupling	7 EA		\$	22.53	\$	157.70	\$	10.95	\$	76.65	\$	22.61	\$	158.27	\$	11.68	\$	81.76		
	1" K-soft Copper	70 LF		\$	9.67	\$	676.69	\$	9.31	\$	651.70	\$	10.32	\$	722.40	\$	10.03	\$	702.10		
	1" Coupling.	7 EA		\$	31.37	\$	219.58	\$	10.95	\$	76.65	\$	32.25	\$	225.75	\$	29.98	\$	209.86		
				\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
59	<u>1" Water service Tie-in No Meter Box</u>			\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
	12"x1" Service Saddle	1 EA		\$	264.78	\$	264.78	\$	252.76	\$	252.76	\$	302.35	\$	302.35	\$	266.72	\$	266.72	\$	266.72
	1" Corp	1 EA		\$	95.56	\$	95.56	\$	77.05	\$	77.05	\$	100.65	\$	100.65	\$	91.34	\$	91.34		
	1" K-soft Copper	20 LF		\$	9.67	\$	193.34	\$	9.31	\$	186.20	\$	10.32	\$	206.40	\$	10.03	\$	200.60		
	1" Corp Coupling	1 EA		\$	31.37	\$	31.37	\$	10.95	\$	10.95	\$	32.25	\$	32.25	\$	29.98	\$	29.98		
	1" Meter Stop	1 EA		\$	171.08	\$	171.08	\$	182.55	\$	182.55	\$	186.31	\$	186.31	\$	163.49	\$	163.49		
				\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
				\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
				\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
				\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
65	<u>2" RP Backflow Assembly</u>			\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
	2" RP Backflow Assembly	1 EA		\$	744.83	\$	744.83	\$	672.95	\$	672.95	\$	652.73	\$	652.73	\$	920.32	\$	920.32		
	2" Copper X MIP Adapt	2 EA		\$	14.66	\$	29.32	\$	26.53	\$	53.06	\$	38.88	\$	77.76	\$	25.41	\$	50.82		
	2" K-Hard Copper	40 LF		\$	21.08	\$	843.00	\$	20.39	\$	815.60	\$	20.54	\$	821.60	\$	19.18	\$	767.20		
	2" Sweat 90 Bends	4 EA		\$	13.28	\$	53.11	\$	24.15	\$	96.60	\$	22.26	\$	89.04	\$	23.01	\$	92.04		

	2" Copper Union	1 EA		\$	143.89	\$	143.89	\$	100.71	\$	100.71	\$	150.58	\$	150.58	\$	91.41	\$	91.41		
	Guard Shack	1 EA		\$	437.33	\$	437.33	\$	404.94	\$	404.94	\$	396.68	\$	396.68	\$	464.76	\$	464.76		
					\$		-		\$		-		\$		-		\$		-		
64	<u>1-1/2" RP Backflow Assembly</u>				\$		-		\$		-		\$		-		\$		-		
	1-1/2" RP Backflow Assembly	3 EA		\$	653.36	\$	1,960.09	\$	625.89	\$	1,877.67	\$	565.27	\$	1,695.81	\$	735.83	\$	2,207.49		
	1-1/2" Copper X MIP Adapt	6 EA		\$	8.66	\$	51.97	\$	10.00	\$	60.00	\$	22.98	\$	137.88	\$	15.02	\$	90.12		
	1-1/2" K-Hard Copper	80 LF		\$	14.02	\$	1,121.68	\$	8.30	\$	664.00	\$	11.85	\$	948.00	\$	13.62	\$	1,089.60		
	1-1/2" Sweat 90 Bends	12 EA		\$	7.29	\$	87.50	\$	6.51	\$	78.12	\$	12.72	\$	152.64	\$	12.64	\$	151.68		
	1-1/2" Copper Union	3 EA		\$	75.62	\$	226.85	\$	23.05	\$	69.15	\$	71.80	\$	215.40	\$	53.63	\$	160.89		
	Guard Shack	3 EA		\$	378.67	\$	1,136.00	\$	316.05	\$	948.15	\$	396.68	\$	1,190.04	\$	402.84	\$	1,208.52		
					\$		-		\$		-		\$		-		\$		-		
					\$		-		\$		-		\$		-		\$		-		
63	<u>1" RP Backflow Assembly</u>				\$		-		\$		-		\$		-		\$		-		
	1" RP Backflow Assembly	3 EA		\$	234.70	\$	704.10	\$	337.65	\$	1,012.95	\$	291.21	\$	873.63	\$	379.08	\$	1,137.24		
	1" Copper X MIP Adapt	14 EA		\$	5.09	\$	71.29	\$	10.00	\$	140.00	\$	13.65	\$	191.10	\$	8.92	\$	124.88		
	1" K-Hard Copper	80 LF		\$	8.70	\$	695.84	\$	8.30	\$	664.00	\$	7.27	\$	581.60	\$	10.03	\$	802.40		
	1" Sweat 90 Bends	14 EA		\$	3.09	\$	43.29	\$	6.51	\$	91.14	\$	8.37	\$	117.18	\$	5.47	\$	76.58		
	1" Copper Union	5 EA		\$	14.22	\$	71.08	\$	23.05	\$	115.25	\$	34.62	\$	173.10	\$	22.62	\$	113.10		
	Guard Shack	3 EA		\$	378.67	\$	1,136.00	\$	316.05	\$	948.15	\$	324.59	\$	973.77	\$	418.98	\$	1,256.94		
					\$		-		\$		-		\$		-		\$		-		
					\$		-		\$		-		\$		-		\$		-		
	<u>Fireline and FDC Modified Installation</u>				\$		-		\$		-		\$		-		\$		-		
	<u>Per Candler Detail FD103</u>				\$		-		\$		-		\$		-		\$		-		
					\$		-		\$		-		\$		-		\$		-		
					\$		-		\$		-		\$		-		\$		-		
67	<u>6" RP Backflow COC C-315</u>				\$		-		\$		-		\$		-		\$		-		
	6" RP Backflow Assembly	2 EA		\$	5,495.69	\$	10,991.38	\$	5,574.12	\$	11,148.24	\$	4,572.64	\$	9,145.28	\$	5,225.87	\$	10,451.74	\$	10,451.74
	6"x6' Flg Spool	4 EA		\$	779.38	\$	3,117.50	\$	775.31	\$	3,101.24	\$	794.17	\$	3,176.68	\$	983.40	\$	3,933.60	\$	3,933.60
	6"x4' Flg Spool	4 EA		\$	620.28	\$	2,481.10	\$	629.34	\$	2,517.36	\$	631.36	\$	2,525.44	\$	781.80	\$	3,127.20	\$	3,127.20
	6" Flg 90 Bend	8 EA		\$	213.85	\$	1,710.80	\$	629.34	\$	5,034.72	\$	202.30	\$	1,618.40	\$	203.04	\$	1,624.32	\$	1,624.32
	6" Flg X MJ Adapt	4 EA		\$	98.39	\$	393.58	\$	219.72	\$	878.88	\$	93.08	\$	372.32	\$	93.42	\$	373.68	\$	373.68
	6" Flg Bolt Set	20 EA		\$	15.70	\$	314.00	\$	101.10	\$	2,022.00	\$	25.48	\$	509.60	\$	16.94	\$	338.80	\$	338.80
	6" Flg Gasket	20 EA		\$	4.00	\$	80.00	\$	19.80	\$	396.00	\$		\$	-	\$	11.34	\$	226.80	\$	226.80
	6" Megalug	4 EA		\$	33.40	\$	133.58	\$		\$	-	\$	31.59	\$	126.36	\$	32.65	\$	130.60	\$	130.60
	6" MJ Acc Set Less Gland	4 EA		\$	22.75	\$	91.00	\$	52.25	\$	209.00	\$	23.66	\$	94.64	\$	32.45	\$	129.80	\$	129.80
	Pipe Support	4 EA		\$	68.40	\$	273.60	\$	64.38	\$	257.52	\$	66.74	\$	266.96	\$	71.99	\$	287.96		
					\$		-		\$		-		\$		-		\$		-		
	Guard Shack For 6" RP Backflow				\$		-		\$		-		\$		-		\$		-		
	C.O.C. Det C-315	2 EA		\$	2,336.00	\$	4,672.00	\$	1,524.40	\$	3,048.80	\$	2,336.00	\$	4,672.00	\$	2,200.00	\$	4,400.00		
					\$		-		\$		-		\$		-		\$		-		
					\$		-		\$		-		\$		-		\$		-		
					\$		-		\$		-		\$		-		\$		-		
66	<u>4" RP Backflow COC C-315</u>				\$		-		\$		-		\$		-		\$		-		
	4" RP Backflow Assembly	1 EA		\$	2,756.79	\$	2,756.79	\$	2,383.53	\$	2,383.53	\$	2,484.31	\$	2,484.31	\$	2,839.21	\$	2,839.21	\$	2,839.21
	4"x6' Flg Spool	2 EA		\$	636.94	\$	1,273.88	\$	646.27	\$	1,292.54	\$	647.35	\$	1,294.70	\$	801.60	\$	1,603.20	\$	1,603.20
	4"x4' Flg Spool	2 EA		\$	503.64	\$	1,007.28	\$	499.16	\$	998.32	\$	511.68	\$	1,023.36	\$	633.60	\$	1,267.20	\$	1,267.20
	4" Flg 90 Bend	4 EA		\$	138.21	\$	552.82	\$	142.03	\$	568.12	\$	130.74	\$	522.96	\$	131.22	\$	524.88	\$	524.88
	4" Flg X MJ Adapt	2 EA		\$	71.66	\$	143.33	\$	73.63	\$	147.26	\$	67.79	\$	135.58	\$	68.04	\$	136.08	\$	136.08
	4" Flg Bolt Set	10 EA		\$	9.56	\$	95.60	\$	12.50	\$	125.00	\$	17.03	\$	170.30	\$	8.53	\$	85.30	\$	85.30
	4" Flg Gasket	10 EA		\$	2.56	\$	25.60	\$		\$	-	\$		\$	-	\$	9.01	\$	90.10	\$	90.10
	4" Megalug	2 EA		\$	28.40	\$	56.79	\$	47.17	\$	94.34	\$	26.86	\$	53.72	\$	27.76	\$	55.52	\$	55.52
	4" MJ Acc Set Less Gland	2 EA		\$	19.90	\$	39.80	\$		\$	-	\$	20.70	\$	41.40	\$	25.92	\$	51.84	\$	51.84
	Pipe Support	2 EA		\$	68.40	\$	136.80	\$	64.38	\$	128.76	\$	66.74	\$	133.48	\$	71.99	\$	143.98		
					\$		-		\$		-		\$		-		\$		-		
	<u>Added Item</u>				\$		-		\$		-		\$		-		\$		-		
69	<u>Air Release C-319</u>				\$		-		\$		-		\$		-		\$		-		
	12"x2" Service Saddle	2 EA		\$	304.02	\$	608.04	\$	273.41	\$	546.82	\$	347.24	\$	694.48	\$	306.25	\$	612.50	\$	612.50
	2" Corp	2 EA		\$	335.19	\$	670.39	\$	309.68	\$	619.36	\$	375.61	\$	751.22	\$	320.38	\$	640.76		
	2" Copper X MIP Adapt	2 ea		\$	14.66	\$	29.32	\$	26.53	\$	53.06	\$	26.53	\$	53.06	\$	26.53	\$	53.06		
	2" K-Hard Copper	80 EA		\$	24.09	\$	1,927.20	\$	20.39	\$	1,631.20	\$	20.54	\$	1,643.20	\$	19.19	\$	1,535.20		
	2" Sweat 90 Bend	6 EA		\$	13.28	\$	79.66	\$	32.84	\$	197.04	\$	22.26	\$	133.56	\$	23.01	\$	138.06		

	2" Sweat Coupling	1 EA		\$	6.68	\$	6.68	\$	12.12	\$	12.12	\$	17.71	\$	17.71	\$	11.57	\$	11.57		
	2" Corp PJ X IPT	2 EA		\$	406.23	\$	812.46	\$	309.68	\$	619.36	\$	396.27	\$	792.54	\$	392.76	\$	785.52		
	2"x6" Brass Nipple	2 EA		\$	34.18	\$	68.36	\$	32.30	\$	64.60	\$	42.84	\$	85.68	\$	34.63	\$	69.26		
	2" Brass St Ell	2 EA		\$	48.03	\$	96.06	\$	32.84	\$	65.68	\$	59.68	\$	119.36	\$	53.27	\$	106.54		
	2" Combo Air Release	2 EA		\$	693.54	\$	1,387.08	\$	531.25	\$	1,062.50	\$	468.61	\$	937.22	\$	647.26	\$	1,294.52		
	2" SCH-80 PVC Treaded Street Ell	4 EA		\$	6.82	\$	27.28	\$	6.82	\$	27.28	\$	13.48	\$	53.92	\$	24.17	\$	96.68		
	2" Threaded Cap w/Wire Mesh	2 EA		\$	9.21	\$	18.41	\$	29.40	\$	58.80	\$	24.36	\$	48.72	\$	42.88	\$	85.76		
	2" X Close Threaded SCH-80 PVC Nipple	2 EA		\$	35.13	\$	70.27	\$	35.15	\$	70.30	\$	4.26	\$	8.52	\$	5.69	\$	11.38		
	#4 Meter Box	4 EA		\$	85.66	\$	342.65	\$	89.32	\$	357.28	\$	101.92	\$	407.68	\$	108.49	\$	433.96		
	Polymer Meter Box Lid	2 EA		\$	154.18	\$	308.35	\$	156.25	\$	312.50	\$	266.26	\$	532.52	\$	202.97	\$	405.94		
					\$	-			\$	-			\$	-			\$	-			
					\$	-			\$	-			\$	-			\$	-			
	<u>Additional Material For Tie-ins</u>				\$	-			\$	-			\$	-			\$	-			
	<u>To Cap Pipe That will latter be abandoned.</u>				\$	-			\$	-			\$	-			\$	-			
					\$	-			\$	-			\$	-			\$	-			
30	12" Hymax Couplings	10 EA		\$	709.72	\$	7,097.19	\$	694.52	\$	6,945.20	\$	787.32	\$	7,873.20	\$	870.59	\$	8,705.90	\$	8,705.90
29	8" Hymax Couplings	10 EA		\$	390.69	\$	3,906.94	\$	384.52	\$	3,845.20	\$	433.41	\$	4,334.10	\$	479.26	\$	4,792.60	\$	4,792.60
28	6" Hymax Couplings	6 EA		\$	346.04	\$	2,076.26	\$	345.31	\$	2,071.86	\$	383.88	\$	2,303.28	\$	424.49	\$	2,546.94	\$	2,546.94
30	12" TJ DIP	80 LF		\$	49.98	\$	3,998.32	\$	51.61	\$	4,128.80	\$	51.61	\$	4,128.80	\$	50.43	\$	4,034.40	\$	4,034.40
29	8" TJ DIP	20 LF		\$	32.61	\$	652.22	\$	34.31	\$	686.20	\$	33.97	\$	679.40	\$	24.99	\$	499.80	\$	499.80
28	6" TJ DIP	20 LF		\$	24.77	\$	495.38	\$	26.15	\$	523.00	\$	25.58	\$	511.60	\$	32.91	\$	658.20	\$	658.20
30	2"x12" Galv Nipple	23 EA		\$	20.43	\$	469.78	\$	17.02	\$	391.46	\$	25.33	\$	582.59	\$	37.74	\$	868.02		
30	2" Galv Cap	23 EA		\$	6.06	\$	139.38	\$	7.42	\$	170.66	\$	8.45	\$	194.35	\$	12.63	\$	290.49		
30	2" Galv Street Ells	23 EA		\$	15.80	\$	363.40	\$	15.02	\$	345.46	\$	22.12	\$	508.76	\$	32.31	\$	743.13		
30	2" Ball Valve FIP X FIP	23 EA		\$	60.49	\$	1,391.32	\$	58.95	\$	1,355.85	\$	88.47	\$	2,034.81	\$	93.56	\$	2,151.88		
30	12" Megalugs and Glad W/Kit Testing	12 EA		\$	143.63	\$	1,723.58	\$	151.72	\$	1,820.64	\$	139.19	\$	1,670.28	\$	155.98	\$	1,871.76	\$	1,871.76
29	8" Megalugs and Glad W/Kit Testing	4 EA		\$	75.78	\$	303.11	\$	79.38	\$	317.52	\$	74.09	\$	296.36	\$	84.35	\$	337.40	\$	337.40
28	6" Megalugs and Glad W/Kit Testing	4 EA		\$	56.15	\$	224.58	\$	52.25	\$	209.00	\$	55.25	\$	221.00	\$	65.10	\$	260.40	\$	260.40
							\$ 1,038,388.53				\$ 1,068,361.73				\$ 1,067,581.88			\$ 1,002,877.86	\$	938,798.47	
																		Perma Seal / Insertavale	\$	\$ 128,898.57	
																		Applicable Tax Credit	\$	\$ 51,569.77	



FERGUSON WATERWORKS #1821
1800 NORTH ARIZONA AVENUE
CHANDLER, AZ 85225-7014

Phone: 602-495-8420
Fax: 602-262-4276

Deliver To: EXP 12/2020 EM ECMS
From: Gilbert Zavala
Comments:

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Page 1 of 15

FERGUSON WATERWORKS #3083

Price Quotation
Phone: 602-495-8420
Fax: 602-262-4276

Bid No: B399258
Bid Date: 04/05/23
Quoted By: HK

Cust Phone: 623-582-1170
Terms: NET 10TH PROX

Customer: B & F CONTRACTING INC
11011 N 23RD AVE
CHANDLER BLVD AND DOBSON R
PHOENIX, AZ 85029-4807

Ship To:

Cust PO#: CHANDLER, AZ

Job Name: CHANDLER BLVD

Item	Description	Quantity	Net Price	UM	Total

	CHANDLER CMAR CHANDLER, AZ ----				
	QUOTED PER CUSTOMER'S LIST QUOTED PER CHANDLER SPECS ----				
PT-QUOTE-NOTES	BID NOTES FOR CUSTOMER ***** ALL PVC, COPPER & VOLATILE COMMODITIES FOR THE TIME BEING WILL BE REPRICED AT TIME OF SHIPMENT. CURRENT PRICING SUBJECT TO CHANGE. ***** NOTE: AT THIS TIME PVC CURRENT LEAD TIMES TO BE DETERMINED AT TIME OF ORDER. ***** NOTE: DUE TO THE CURRENT STATE OF THE ECONOMY, LEAD TIMES FOR DIP ARE UNPREDICTABLE AND LONGER THAN USUAL PLEASE SEE YOUR SALESMAN DURING TIME OF AWARD FOR LEAD TIMES. ***** URGENT DIP NOTE: DUCTILE IRON PIPE SUBJECT TO REPRICING UPON SHIPPING UNTIL FURTHER NOTICE. ***** "Any reference to or incorporation of Executive Order 14042 and/or the EO-implementing Federal clauses (FAR 52.223 -99 and/or DFARS 252.223-7999) is expressly rejected by Seller and shall not apply as Seller is a materials supplier and	1		EA	



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Fax: 602-262-4276

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Reference No: B399258

Item	Description	Quantity	Net Price	UM	Total
	therefore exempt under the Executive Order." ***** ----- PT-QUOTE-NOTES -----				0.00
PT-DIP-LEAD-TIMES	DIP LEAD TIME AS OF 08/31/2022 ***** 4" FASTITE / FLEX RING 50 WEEKS 6" FASTITE / FLEX RING 50 WEEKS 8" FASTITE / FLEX RING 50 WEEKS 10" FASTITE / FLEX RING 50 WEEKS 12" FASTITE / FLEX RING 50 WEEKS 16" FASTITE / FLEX RING 40 WEEKS 18" FASTITE / FLEX RING 40 WEEKS 24" FAST/FLEX CL250 40 WEEKS ***** ----- PT-DIP-LEAD-TIMES -----	1		EA	0.00
PT-CLOW-LEAD-TIMES	*LEAD TIMES AS OF 09/12/22* ***** GATE VALVES: 2"-8" - 12 WEEKS 10"-12" - 20 WEEKS 14" (NO GEAR) 14-16 WEEKS 16" (NO GEAR) 14-16 WEEKS 14"-16" (W/GEAR) 25-27 WEEKS 18"-20" - 25-27 WEEKS 24" - 25-27 WEEKS HYDRANTS: CLO860 - 11 WEEKS MEDALLION - 8 WEEKS ADMIRALS - 8 WEEKS EDDYS - 8 WEEKS IHYDRANT - 6-8 WEEKS ***** ----- PT-CLOW-LEAD-TIMES ----- 12" DIP WATER -----	1		EA	0.00
AFT350P12	12 CL350 CL DI FASTITE PIPE	6880	50.430	FT	346958.40
AFGRGSKT12	12 FAST GRIP GSKT ACIPCO	344	188.090	EA	64702.96
	----- SUBTOTAL				411661.36
	----- 12" FITTINGS -----				
PSD3105B52	3X1000 UG DET WTR BLUE	7	68.800	EA	481.60
TW14SLDUFBL500	14GA SLD COP UF WIRE BLUE 500	7000	160.970	M	1126.79
PSPWT210	2X100 10 MIL PIPE WRAP TAPE	50	6.000	EA	300.00

T3889962	27X308 POLYWRAP PERF 10 - 12 DIP	7392	0.670	FT	4952.64
PSPWT210	2X100 10 MIL PIPE WRAP TAPE	50	6.000	EA	300.00

FT12	12 DI 125# C110 FLG TEE	8	1091.340	EA	8730.72
MJFTLA12	12 MJXFLG C153 TEE L/A	1	882.340	EA	882.34
MJTLA12	12 MJ C153 TEE L/A	1	498.960	EA	498.96

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Reference No: B399258

Item	Description	Quantity	Net Price	UM	Total
MJTLA12X	12X8 MJ C153 TEE L/A	2	396.550	EA	793.10
FT12X	12X8 DI 125# C110 FLG TEE	2	1129.640	EA	2259.28
MJFTLA12U	12X6 MJXFLG C153 TEE L/A	1	445.500	EA	445.50
MJFALA12	12 MJXFLG C153 ADPT L/A	4	317.350	EA	1269.40
MJ2LA12	12 MJ C153 22-1/2 BEND L/A	3	259.740	EA	779.22
MJ4LA12	12 MJ C153 45 BEND L/A	17	297.000	EA	5049.00
MJLSLA12	12X12 MJ C153 LONG SLV L/A	6	273.780	EA	1642.68

SSLDE12	12 DI MJ WDG REST GLND *ONELOK	74	105.960	EA	7841.04
IMJBGP12	12 MJ C153 BLT GSKT PK L/ GLAND	74	50.020	EA	3701.48
SSLDE8	8 DI MJ WDG REST GLND *ONELOK	1	49.070	EA	49.07
IMJBGPX	8 MJ C153 BLT GSKT PK L/ GLAND	1	35.280	EA	35.28
BP150A307BZN12	10-12 ZN 150# A307B FLG BLT KIT	4	34.240	EA	136.96
ATSGA12	12 FF 1/8 TORUSEAL NSF61 FLG GSKT	4	19.930	EA	79.72

SUBTOTAL					41354.78

12" TJ DIP					

AFT350P12	12 CL350 CL DI FASTITE PIPE	1400	50.430	FT	70602.00

SUBTOTAL					70602.00

12" FITTINGS					

PSD3105B52	3X1000 UG DET WTR BLUE	2	68.800	EA	137.60
TW14SLDUFBL500	14GA SLD COP UF WIRE BLUE 500	2000	160.970	M	321.94
T3889962	27X308 POLYWRAP PERF 10 - 12 DIP	1540	0.670	FT	1031.80
PSPWT210	2X100 10 MIL PIPE WRAP TAPE	20	6.000	EA	120.00

SUBTOTAL					1611.34

8" DIP RJ					

AFT350PX	8 CL350 CL DI FASTITE PIPE	380	32.910	FT	12505.80
AFGRGSKTX	8 FAST GRIP GSKT ACIPCO	19	129.520	EA	2460.88

SUBTOTAL					14966.68

8" FITTINGS					

PSD3105B52	3X1000 UG DET WTR BLUE	1	68.800	EA	68.80
TW14SLDUFBL500	14GA SLD COP UF WIRE BLUE 500	500	160.970	M	80.49
PSPWT210	2X100 10 MIL PIPE WRAP TAPE	5	6.000	EA	30.00
T3889961	20X308 POLYWRAP PERF 3 - 8 DIP	616	0.600	FT	369.60

MJTLA12X	12X8 MJ C153 TEE L/A	1	396.550	EA	396.55
FT12X	12X8 DI 125# C110 FLG TEE	1	1129.640	EA	1129.64
MJFTLA12X	12X8 MJXFLG C153 TEE L/A	3	615.560	EA	1846.68
MJTLAXU	8X6 MJ C153 TEE L/A	1	211.200	EA	211.20
MJFTLAXU	8X6 MJXFLG C153 TEE L/A	3	289.640	EA	868.92
MJRLAXU	8X6 MJ C153 RED L/A	1	122.980	EA	122.98
MJFALAX	8 MJXFLG C153 ADPT L/A	1	174.720	EA	174.72
BP150A307BUX	6 - 8 150# A307B FLG BLT KIT *X	1	16.940	EA	16.94
ATSGAX	8 FF 1/8 TORUSEAL NSF61 FLG GSKT	1	15.520	EA	15.52
SSLDE12	12 DI MJ WDG REST GLND *ONELOK	8	105.960	EA	847.68
IMJBGP12	12 MJ C153 BLT GSKT PK L/ GLAND	8	50.020	EA	400.16



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Item	Description	Quantity	Net Price	UM	Total
SSLDE8	8 DI MJ WDG REST GLND *ONELOK	10	49.070	EA	490.70
IMJBGPX	8 MJ C153 BLT GSKT PK L/ GLAND	11	35.280	EA	388.08
SSLDE6	6 DI MJ WDG REST GLND *ONELOK	4	32.650	EA	130.60
IMJBGPU	6 MJ C153 BLT GSKT PK L/ GLAND	4	32.450	EA	129.80
MJTPXK	8X2 MJ C153 TAP PLUG	3	149.860	EA	449.58
MJLSLAX	8X12 MJ C153 LONG SLV L/A	1	211.680	EA	211.68

SUBTOTAL					8380.32

16" TIE IN					

FT16X	16X8 DI 125# C110 FLG TEE	4	1882.280	EA	7529.12
MJLSLA16	16X15 MJ C153 LONG SLV L/A	2	651.170	EA	1302.34
MJFALA16	16 MJXFLG C153 ADPT L/A	1	702.920	EA	702.92
AFT250P16	16 CL250 CL DI FASTITE PIPE	20	80.180	FT	1603.60

C263816211176009	16 FLG X MJ RW OL GATE VLV C515	1	8493.750	EA	8493.75
SSLDE16	16 DI MJ WDG REST GLND *ONELOK	6	240.430	EA	1442.58
IMJBGP16	16 MJ C153 BLT GSKT PK L/ GLAND	6	112.110	EA	672.66
ATSGA16	16 FF 1/8 TORUSEAL NSF61 FLG GSKT	2	44.660	EA	89.32
BP150A307B16	16 150# A307B FLG BLT KIT	2	91.570	EA	183.14

IVBATS16	16 SLIP VLV BX TOP SECT	1	53.660	EA	53.66
IVBABS24	24 SLIP VLV BX BOT SECT	1	62.400	EA	62.40
SNPR600	NON POP BLACK CHANDLER VLV BX LID	1	63.920	EA	63.92
SDC457BL	DEBRIS CAP F/ 461S TOP BLUE	1	79.290	EA	79.29

SUBTOTAL					22278.70

TEMP CAP FOR TESTING					

MJTCAPLAXK	8X2 MJ C153 TAP CAP L/A	1	105.840	EA	105.84
IGS9K	2 GALV MI 150# ST 90 ELL	2	32.310	EA	64.62
IGNK72	2X72 GALV RDY CUT PIPE TBE	1	116.660	EA	116.66
PFXT300K	LF 2 BRS 200# THRD NRS GATE VLV	1	48.540	EA	48.54
SSLDE8	8 DI MJ WDG REST GLND *ONELOK	1	49.070	EA	49.07
IMJBGPX	8 MJ C153 BLT GSKT PK L/ GLAND	1	35.280	EA	35.28

SUBTOTAL					420.01

6" DIP					

AFT350PU	6 CL350 CL DI FASTITE PIPE	240	24.990	FT	5997.60
AFGRGSKTU	6 FAST GRIP GSKT ACIPCO	2	95.630	EA	191.26

SUBTOTAL					6188.86

6" FITTINGS					

PSD3105B52	3X1000 UG DET WTR BLUE	1	68.800	EA	68.80
TW14SLDUFBL500	14GA SLD COP UF WIRE BLUE 500	500	160.970	M	80.49
PSPWT210	2X100 10 MIL PIPE WRAP TAPE	1	6.000	EA	6.00

T3889961	20X308 POLYWRAP PERF 3 - 8 DIP	308	0.600	FT	184.80
PSPWT210	2X100 10 MIL PIPE WRAP TAPE	5	6.000	EA	30.00



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Reference No: B399258

Item	Description	Quantity	Net Price	UM	Total
MJFTLA12U	12X6 MJXFLG C153 TEE L/A	4	445.500	EA	1782.00
MJ9LAU	6 MJ C153 90 BEND L/A	6	116.640	EA	699.84
MJTCAPLAUK	6X2 MJ C153 TAP CAP L/A	3	76.140	EA	228.42
SSLDE12	12 DI MJ WDG REST GLND *ONELOK	8	105.960	EA	847.68
IMJBGP12	12 MJ C153 BLT GSKT PK L/ GLAND	8	50.020	EA	400.16
SSLDE6	6 DI MJ WDG REST GLND *ONELOK	5	32.650	EA	163.25
IMJBGPU	6 MJ C153 BLT GSKT PK L/ GLAND	5	32.450	EA	162.25

	SUBTOTAL				4653.69

	4" PC-350 DIP				

AFT350PP	4 CL350 CL DI FASTITE PIPE	60	36.560	FT	2193.60

	SUBTOTAL				2193.60

	4" FITTINGS				

	POLYWRAP ABOVE				

PSPWT210	2X100 10 MIL PIPE WRAP TAPE	1	6.000	EA	6.00

MJFTLA12P	12X4 MJXFLG C153 TEE L/A	2	422.280	EA	844.56
SSLDE12	12 DI MJ WDG REST GLND *ONELOK	4	105.960	EA	423.84
IMJBGP12	12 MJ C153 BLT GSKT PK L/ GLAND	4	50.020	EA	200.08
SSLDE4	4 DI MJ WDG REST GLND *ONELOK	8	27.760	EA	222.08
IMJBGPP	4 MJ C153 BLT GSKT PK L/ GLAND	8	25.920	EA	207.36
MJ9LAP	4 MJ C153 90 BEND L/A	4	71.280	EA	285.12

	SUBTOTAL				2189.04

	TEMP CAP FOR TESTING				

MJTCAPLAPK	4X2 MJ C153 TAP CAP L/A	2	55.620	EA	111.24
IGS9K	2 GALV MI 150# ST 90 ELL	4	32.310	EA	129.24
IGNK72	2X72 GALV RDY CUT PIPE TBE	2	116.660	EA	233.32
PFXT300K	LF 2 BRS 200# THRD NRS GATE VLV	2	48.540	EA	97.08
SSLDE4	4 DI MJ WDG REST GLND *ONELOK	2	27.760	EA	55.52
IMJBGPP	4 MJ C153 BLT GSKT PK L/ GLAND	2	25.920	EA	51.84

	SUBTOTAL				678.24

	12" SWING TIE-IN AT ACP				

P350612A	12 WIDERANGE COUP 12-75-14.38	4	615.890	EA	2463.56

MJ4LA12	12 MJ C153 45 BEND L/A	6	297.000	EA	1782.00
MJ9LA12	12 MJ C153 90 BEND L/A	2	359.100	EA	718.20
SSLDE12	12 DI MJ WDG REST GLND *ONELOK	16	105.960	EA	1695.36
IMJBGP12	12 MJ C153 BLT GSKT PK L/ GLAND	16	50.020	EA	800.32

	SUBTOTAL				7459.44



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Item	Description	Quantity	Net Price	UM	Total

	TEMP CAP FOR TESTING				

MJTCAPLA12K	12X2 MJ C153 TAP CAP L/A	3	173.880	EA	521.64
IGS9K	2 GALV MI 150# ST 90 ELL	6	32.310	EA	193.86
IGNK72	2X72 GALV RDY CUT PIPE TBE	3	116.660	EA	349.98
PFXT300K	LF 2 BRS 200# THRD NRS GATE VLV	3	48.540	EA	145.62
SSLDE12	12 DI MJ WDG REST GLND *ONELOK	3	105.960	EA	317.88
IMJBGP12	12 MJ C153 BLT GSKT PK L/ GLAND	3	50.020	EA	150.06

	SUBTOTAL				1679.04

	8" SWING TIE-IN AT ACP				

P350608A00000	8 POWERMAX WIDERANGE COUP 8.40-9.79	5	418.770	EA	2093.85

MJ4LAX	8 MJ C153 45 BEND L/A	8	137.700	EA	1101.60
MJ9LAX	8 MJ C153 90 BEND L/A	2	168.480	EA	336.96

SSLDE8	8 DI MJ WDG REST GLND *ONELOK	20	49.070	EA	981.40
IMJBGPX	8 MJ C153 BLT GSKT PK L/ GLAND	20	35.280	EA	705.60

	TEMP CAP FOR TESTING				

MJTCAPLAXK	8X2 MJ C153 TAP CAP L/A	6	105.840	EA	635.04
IGS9K	2 GALV MI 150# ST 90 ELL	12	32.310	EA	387.72
IGNK72	2X72 GALV RDY CUT PIPE TBE	6	116.660	EA	699.96
PFXT300K	LF 2 BRS 200# THRD NRS GATE VLV	6	48.540	EA	291.24
SSLDE8	8 DI MJ WDG REST GLND *ONELOK	6	49.070	EA	294.42
IMJBGPX	8 MJ C153 BLT GSKT PK L/ GLAND	6	35.280	EA	211.68

	SUBTOTAL				7739.47

	6" SWING TIE-IN AT ACP				

P350606A00000	6 POWERMAX WIDERANGE COUP 6.25-7.45	5	260.480	EA	1302.40

MJ4LAU	6 MJ C153 45 BEND L/A	6	94.500	EA	567.00
MJ9LAU	6 MJ C153 90 BEND L/A	5	116.640	EA	583.20

SSLDE6	6 DI MJ WDG REST GLND *ONELOK	22	32.650	EA	718.30
IMJBGPU	6 MJ C153 BLT GSKT PK L/ GLAND	22	32.450	EA	713.90

	TEMP CAP FOR TESTING				

MJTCAPLAUK	6X2 MJ C153 TAP CAP L/A	4	76.140	EA	304.56
IGS9K	2 GALV MI 150# ST 90 ELL	11	32.310	EA	355.41
IGNK72	2X72 GALV RDY CUT PIPE TBE	4	116.660	EA	466.64
PFXT300K	LF 2 BRS 200# THRD NRS GATE VLV	4	48.540	EA	194.16
SSLDE6	6 DI MJ WDG REST GLND *ONELOK	4	32.650	EA	130.60
IMJBGPU	6 MJ C153 BLT GSKT PK L/ GLAND	4	32.450	EA	129.80

	SUBTOTAL				5465.97

	4" SWING TIE-AT ACP				

P350604A00000	4 POWERMAX WIDERANGE COUP 4.20-5.33	1	191.840	EA	191.84



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Item	Description	Quantity	Net Price	UM	Total
MJRLAUP	6X4 MJ C153 RED L/A	1	84.680	EA	84.68
SSLDE6	6 DI MJ WDG REST GLND *ONELOK	1	32.650	EA	32.65
IMJBGPU	6 MJ C153 BLT GSKT PK L/ GLAND	1	32.450	EA	32.45
SSLDE4	4 DI MJ WDG REST GLND *ONELOK	1	27.760	EA	27.76
IMJBGPP	4 MJ C153 BLT GSKT PK L/ GLAND	1	25.920	EA	25.92

	SUBTOTAL				395.30

	TEMP CAP FOR TESTING				

MJTCAPLAPK	4X2 MJ C153 TAP CAP L/A	1	55.620	EA	55.62
IGS9K	2 GALV MI 150# ST 90 ELL	2	32.310	EA	64.62
IGNK72	2X72 GALV RDY CUT PIPE TBE	1	116.660	EA	116.66
PFXT300K	LF 2 BRS 200# THRD NRS GATE VLV	1	48.540	EA	48.54
SSLDE4	4 DI MJ WDG REST GLND *ONELOK	1	27.760	EA	27.76
IMJBGPP	4 MJ C153 BLT GSKT PK L/ GLAND	1	25.920	EA	25.92

	SUBTOTAL				339.12

	1/2 VERT REALIGNMENT				

MJ2LA12	12 MJ C153 22-1/2 BEND L/A	2	259.740	EA	519.48
MJ4LA12	12 MJ C153 45 BEND L/A	14	297.000	EA	4158.00
SSLDE12	12 DI MJ WDG REST GLND *ONELOK	32	105.960	EA	3390.72
IMJBGP12	12 MJ C153 BLT GSKT PK L/ GLAND	32	50.020	EA	1600.64

	SUBTOTAL				9668.84

	8" VERT				

MJ4LAX	8 MJ C153 45 BEND L/A	10	137.700	EA	1377.00
SSLDE8	8 DI MJ WDG REST GLND *ONELOK	20	49.070	EA	981.40
IMJBGPX	8 MJ C153 BLT GSKT PK L/ GLAND	20	35.280	EA	705.60

	SUBTOTAL				3064.00

	6" VERT				

MJ4LAU	6 MJ C153 45 BEND L/A	4	94.500	EA	378.00
SSLDE6	6 DI MJ WDG REST GLND *ONELOK	8	32.650	EA	261.20
IMJBGPU	6 MJ C153 BLT GSKT PK L/ GLAND	8	32.450	EA	259.60

	SUBTOTAL				898.80

	FULL VERT				

MJ4LA12	12 MJ C153 45 BEND L/A	18	297.000	EA	5346.00

SSLDE12	12 DI MJ WDG REST GLND *ONELOK	36	105.960	EA	3814.56
IMJBGP12	12 MJ C153 BLT GSKT PK L/ GLAND	36	50.020	EA	1800.72

	SUBTOTAL				10961.28



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Item	Description	Quantity	Net Price	UM	Total

	8" VERT				

MJ4LAX	8 MJ C153 45 BEND L/A	16	137.700	EA	2203.20
SSLDE8	8 DI MJ WDG REST GLND *ONELOK	32	49.070	EA	1570.24
IMJBGPX	8 MJ C153 BLT GSKT PK L/ GLAND	32	35.280	EA	1128.96

	SUBTOTAL				4902.40

	6" VERT				

MJ4LAU	6 MJ C153 45 BEND L/A	16	94.500	EA	1512.00
SSLDE6	6 DI MJ WDG REST GLND *ONELOK	32	32.650	EA	1044.80
IMJBGPU	6 MJ C153 BLT GSKT PK L/ GLAND	32	32.450	EA	1038.40

	SUBTOTAL				3595.20

	12" VALVE				

C263812211194009	12 DI MJ X FLG OL GATE VLV C515	30	2775.740	EA	83272.20
C263812301194009	12 DI MJ OL GATE VLV C515	11	2909.040	EA	31999.44
BP150A307BZN12	10-12 ZN 150# A307B FLG BLT KIT	30	34.240	EA	1027.20
ATSGA12	12 FF 1/8 TORUSEAL NSF61 FLG GSKT	30	19.930	EA	597.90
SSLDE12	12 DI MJ WDG REST GLND *ONELOK	52	105.960	EA	5509.92
IMJBGP12	12 MJ C153 BLT GSKT PK L/ GLAND	52	50.020	EA	2601.04

IVBATS16	16 SLIP VLV BX TOP SECT	41	53.660	EA	2200.06
IVBABS24	24 SLIP VLV BX BOT SECT	41	62.400	EA	2558.40
SNPR600	NON POP BLACK CHANDLER VLV BX LID	41	63.920	EA	2620.72
SDC457BL	DEBRIS CAP F/ 461S TOP BLUE	41	79.290	EA	3250.89

VSEX	8 FT VLV STEM EXT	2	308.570	EA	617.14
T3677017	SM DIRT RNG EXT STEM	2	74.250	EA	148.50
IVBABS24	24 SLIP VLV BX BOT SECT	8	62.400	EA	499.20

	12" INSERTION VALVE BOXES				

IVBATS16	16 SLIP VLV BX TOP SECT	6	53.660	EA	321.96
IVBABS24	24 SLIP VLV BX BOT SECT	6	62.400	EA	374.40
SNPR600	NON POP BLACK CHANDLER VLV BX LID	6	63.920	EA	383.52
SDC457BL	DEBRIS CAP F/ 461S TOP BLUE	6	79.290	EA	475.74

MJSCAPLA12	12 MJ C153 SLD CAP L/A	1	180.770	EA	180.77
SSLDE12	12 DI MJ WDG REST GLND *ONELOK	1	105.960	EA	105.96
IMJBGP12	12 MJ C153 BLT GSKT PK L/ GLAND	1	50.020	EA	50.02

	SUBTOTAL				138794.98

	12" THRUST BLOCK				

SSLDE12	12 DI MJ WDG REST GLND *ONELOK	10	105.960	EA	1059.60
IMJBGP12	12 MJ C153 BLT GSKT PK L/ GLAND	10	50.020	EA	500.20



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Item	Description	Quantity	Net Price	UM	Total
	----- SUBTOTAL				1559.80
	----- 8" THRUST BLOCK				
SSLDE8	8 DI MJ WDG REST GLND *ONELOK	8	49.070	EA	392.56
IMJBGPX	8 MJ C153 BLT GSKT PK L/ GLAND	8	35.280	EA	282.24
	----- SUBTOTAL				674.80
	----- 6" THRUST BLOCK				
SSLDE6	6 DI MJ WDG REST GLND *ONELOK	2	32.650	EA	65.30
IMJBGPU	6 MJ C153 BLT GSKT PK L/ GLAND	2	32.450	EA	64.90
	----- SUBTOTAL				130.20
	----- 8" VALVE				
C263808211194009	8 DI MJ X FLG OL GATE VLV C515	7	1446.460	EA	10125.22
C263808301194009	8 DI MJ OL GATE VLV C515	3	1474.360	EA	4423.08
BP150A307BUX	6 - 8 150# A307B FLG BLT KIT *X	7	16.940	EA	118.58
ATSGAX	8 FF 1/8 TORUSEAL NSF61 FLG GSKT	7	15.520	EA	108.64
SSLDE8	8 DI MJ WDG REST GLND *ONELOK	13	49.070	EA	637.91
IMJBGPX	8 MJ C153 BLT GSKT PK L/ GLAND	13	35.280	EA	458.64
	----- IVBATS16	10	53.660	EA	536.60
IVBABS24	24 SLIP VLV BX BOT SECT	10	62.400	EA	624.00
SNPR600	NON POP BLACK CHANDLER VLV BX LID	10	63.920	EA	639.20
SDC457BL	DEBRIS CAP F/ 461S TOP BLUE	10	79.290	EA	792.90
	----- SUBTOTAL				18464.77
	----- 6" VALVE				
C263806211194009	6 DI MJ X FLG OL GATE VLV C515	7	925.660	EA	6479.62
ATSGAU	6 FF 1/8 TORUSEAL NSF61 FLG GSKT	7	11.340	EA	79.38
BP150A307BUX	6 - 8 150# A307B FLG BLT KIT *X	7	16.940	EA	118.58
SSLDE6	6 DI MJ WDG REST GLND *ONELOK	7	32.650	EA	228.55
IMJBGPU	6 MJ C153 BLT GSKT PK L/ GLAND	7	32.450	EA	227.15
	----- IVBATS16	7	53.660	EA	375.62
SNPR600	NON POP BLACK CHANDLER VLV BX LID	7	63.920	EA	447.44
IVBABS24	24 SLIP VLV BX BOT SECT	7	62.400	EA	436.80
SDC457BL	DEBRIS CAP F/ 461S TOP BLUE	7	79.290	EA	555.03
	----- SUBTOTAL				8948.17
	----- 4" VALVE				
C263804211194009	4 DI MJ X FLG OL GATE VLV C515	2	692.540	EA	1385.08
ATSGAP	4 FF 1/8 TORUSEAL NSF61 FLG GSKT	2	9.010	EA	18.02
BP150A307BP	4 150# A307B FLG BLT KIT & N	2	8.530	EA	17.06
SSLDE4	4 DI MJ WDG REST GLND *ONELOK	2	27.760	EA	55.52
IMJBGP	4 MJ C153 BLT GSKT PK L/ GLAND	2	25.920	EA	51.84



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Item	Description	Quantity	Net Price	UM	Total
IVBATS16	16 SLIP VLV BX TOP SECT	2	53.660	EA	107.32
IVBABS24	24 SLIP VLV BX BOT SECT	2	62.400	EA	124.80
SNPR600	NON POP BLACK CHANDLER VLV BX LID	2	63.920	EA	127.84
SDC457BL	DEBRIS CAP F/ 461S TOP BLUE	2	79.290	EA	158.58

	SUBTOTAL				2046.06

	FIRE HYDRANT WITH 6" DIP				

MJFTLAU	6 MJXFLG C153 TEE L/A	1	192.780	EA	192.78
MJTLAU	6 MJ C153 TEE L/A	1	167.400	EA	167.40
FTU	6 DI 125# C110 FLG TEE	3	369.600	EA	1108.80
MJTLAXU	8X6 MJ C153 TEE L/A	1	211.200	EA	211.20
MJFTLAXU	8X6 MJXFLG C153 TEE L/A	1	289.640	EA	289.64
MJFTLA12U	12X6 MJXFLG C153 TEE L/A	6	445.500	EA	2673.00
MJFALAU	6 MJXFLG C153 ADPT L/A	6	93.420	EA	560.52
AGOACBEU24	6X24 GRADELOK SWVL X MJ *X	1	867.280	EA	867.28
MJ9LAU	6 MJ C153 90 BEND L/A	3	116.640	EA	349.92
MJF9LAU	6 MJXFLG C153 90 BEND L/A	1	178.080	EA	178.08
SSLDE12	12 DI MJ WDG REST GLND *ONELOK	12	105.960	EA	1271.52
IMJBGP12	12 MJ C153 BLT GSKT PK L/ GLAND	12	50.020	EA	600.24
SSLDE8	8 DI MJ WDG REST GLND *ONELOK	4	49.070	EA	196.28
IMJBGPX	8 MJ C153 BLT GSKT PK L/ GLAND	4	35.280	EA	141.12
SSLDE6	6 DI MJ WDG REST GLND *ONELOK	49	32.650	EA	1599.85
IMJBGPU	6 MJ C153 BLT GSKT PK L/ GLAND	49	32.450	EA	1590.05

C263806211194009	6 DI MJ X FLG OL GATE VLV C515	11	925.660	EA	10182.26
C263806301194009	6 DI MJ OL GATE VLV C515	2	925.660	EA	1851.32
IVBATS16	16 SLIP VLV BX TOP SECT	13	53.660	EA	697.58
IVBABS24	24 SLIP VLV BX BOT SECT	13	62.400	EA	811.20
SNPR600	NON POP BLACK CHANDLER VLV BX LID	13	63.920	EA	830.96
SDC457BL	DEBRIS CAP F/ 461S TOP BLUE	13	79.290	EA	1030.77

BP150A307BUX	6 - 8 150# A307B FLG BLT KIT *X	17	16.940	EA	287.98
ATSGAU	6 FF 1/8 TORUSEAL NSF61 FLG GSKT	17	11.340	EA	192.78

	SUBTOTAL				27882.53

	6" TJ DIP				

AFT350PU	6 CL350 CL DI FASTITE PIPE	220	24.990	FT	5497.80
AFGRGSKTU	6 FAST GRIP GSKT ACIPCO	1	95.630	EA	95.63
T3889961	20X308 POLYWRAP PERF 3 - 8 DIP	308	0.600	FT	184.80
TW12SLDUFBL500	12GA SLD COP UF WIRE BLUE 500	500	307.750	M	153.88
PSPWT210	2X100 10 MIL PIPE WRAP TAPE	3	6.000	EA	18.00
	TAPE ABOVE				

	SUBTOTAL				5950.11

CF2545514LAOLRNST	5-1/4 VO F2545 HYD 4'6 OL L/A NST	13	2965.380	EA	38549.94
PP68508	4-1/2 OUT OF SERV HYD DISK WH/RE	13	8.760	EA	113.88

	SUBTOTAL				38663.82



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Item	Description	Quantity	Net Price	UM	Total

	2" SERVICE				

F202B1438IP7	12X2 IP DBL STRP BRZ SDL DI/AC	3	306.250	EA	918.75
FFB5007NL	LF 2 MIP X MIP BALL CORP	3	320.380	EA	961.14
CFAK	2 WROT CXF ADPT	3	31.890	EA	95.67
CMAK	2 WROT CXM ADPT	3	25.410	EA	76.23
FBFA13777WNL	LF 2 FIP X MTR FLG ANG BV LW	3	324.050	EA	972.15
CCMB4	#4 CONC MTR BX	3	108.490	EA	325.47
O20304002	4 PLYMR MTR BX CVR CHANDLER *X	3	202.970	EA	608.91

KHARDK20	2 X 20 K HARD COP TUBE	80	1918.450	C	1534.76
C4K	2 WROT CXC 45 ELL 2-1/8 OD	3	21.350	EA	64.05
C9K	2 WROT CXC 90 ELL 2-1/8 OD	7	23.010	EA	161.07

	SUBTOTAL				5718.20

	PRIVATE SIDE TIE-IN				

M431T08LF	LF 2 BRZ OVAL METER FLG	3	48.060	EA	144.18
GH4197G	2 RUB FF MTR GSKT	3	1.147	EA	3.44
MPBNSJK	1-1/2 - 2 MTR PLT N&B SET	3	1.687	EA	5.06
CMAK	2 WROT CXM ADPT	3	25.410	EA	76.23
C9K	2 WROT CXC 90 ELL 2-1/8 OD	5	23.010	EA	115.05
KHARDK20	2 X 20 K HARD COP TUBE	60	1918.450	C	1151.07

	SUBTOTAL				1495.03

	2" WATER SERVICE TIE-IN				
	NO METER BOX				

F202B1438IP7	12X2 IP DBL STRP BRZ SDL DI/AC	2	306.250	EA	612.50
KHARDK20	2 X 20 K HARD COP TUBE	80	1918.450	C	1534.76
C4K	2 WROT CXC 45 ELL 2-1/8 OD	6	21.350	EA	128.10
C9K	2 WROT CXC 90 ELL 2-1/8 OD	2	23.010	EA	46.02
CCK	2 WROT CXC COUP 2-1/8 OD	2	11.570	EA	23.14

	SUBTOTAL				2344.52

	1-1/2" SERVICE				

F202B1320IP6	12X1-1/2 IP DBL STRP BRS SDL	12	300.830	EA	3609.96
FFB5006NL	LF 1-1/2 MIP X MIP BALL CORP ST	12	187.850	EA	2254.20
CMAJ	1-1/2 WROT CXM ADPT	12	15.020	EA	180.24
CFAJ	1-1/2 WROT CXF ADPT	12	23.460	EA	281.52
FBFA13666WNL	LF 1-1/2 FIP X MTR FLG ANG BV LW	12	324.130	EA	3889.56
CCMB4	#4 CONC MTR BX	12	108.490	EA	1301.88
O20304002	4 PLYMR MTR BX CVR CHANDLER *X	12	202.970	EA	2435.64

KHARDJ20	1-1/2 X 20 K HARD COP TUBE	360	1361.810	C	4902.52
C4J	1-1/2 WROT CXC 45 ELL 1-5/8 OD	14	12.790	EA	179.06
C9J	1-1/2 WROT CXC 90 ELL 1-5/8 OD	18	12.640	EA	227.52
CCJ	1-1/2 WROT CXC COUP W/ STOP	14	6.940	EA	97.16

	SUBTOTAL				19359.26



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Item	Description	Quantity	Net Price	UM	Total

	PRIVATE SIDE TIE-IN				

M431T07LF	LF 1-1/2 BRZ OVAL METER FLG	12	44.390	EA	532.68
MPBNSJK	1-1/2 - 2 MTR PLT N&B SET	12	1.687	EA	20.24
CMAJ	1-1/2 WROT CXM ADPT	12	15.020	EA	180.24
C9J	1-1/2 WROT CXC 90 ELL 1-5/8 OD	18	12.640	EA	227.52
KHARDJ20	1-1/2 X 20 K HARD COP TUBE	120	1361.810	C	1634.17

	SUBTOTAL				2594.85

	1-1/2 SERVICE TO EXISTING				

F202B1320IP6	12X1-1/2 IP DBL STRP BRS SDL	1	300.830	EA	300.83
FFB5006NL	LF 1-1/2 MIP X MIP BALL CORP ST	1	187.850	EA	187.85
FBFA13666WNL	LF 1-1/2 FIP X MTR FLG ANG BV LW	1	324.130	EA	324.13
KHARDJ20	1-1/2 X 20 K HARD COP TUBE	60	1361.810	C	817.09
C9J	1-1/2 WROT CXC 90 ELL 1-5/8 OD	3	12.640	EA	37.92
C4J	1-1/2 WROT CXC 45 ELL 1-5/8 OD	1	12.790	EA	12.79
CCJ	1-1/2 WROT CXC COUP W/ STOP	1	6.940	EA	6.94

	SUBTOTAL				1687.55

	1" WATER SERVICE				

F202B1438IP4	12X1 IP DBL STRP BRZ SDL DI/AC	5	266.720	EA	1333.60
FFB11004NL	LF 1 MIP X CTS PJ BALL CORP ST	5	91.340	EA	456.70
KSOFTG100	1 X 100 K SOFT COP TUBE	200	1002.550	C	2005.10
FBA43444WNL	LF 1 CTS X MTR ANG BV	5	163.490	EA	817.45
CCMB2	#2 CONC MTR BX	5	45.000	EA	225.00
O14224002	2 PLYMR MTR BX CVR CHANDLER *X	5	146.290	EA	731.45

	SUBTOTAL				5569.30

	PRIVATE SIDE TIE-IN				

M433T05LF	LF 1 WTR MTR COUP	5	11.680	EA	58.40
KSOFTG60	1 X 60 K SOFT COP TUBE	60	1002.550	C	601.53
FC4444NL	LF 1 CTS X CTS COMP COUP	5	29.980	EA	149.90

	SUBTOTAL				809.83

	1" WATER SERVICE TIE-IN				
	NO METER BOX				

F202B1438IP4	12X1 IP DBL STRP BRZ SDL DI/AC	1	266.720	EA	266.72
FFB11004QNL	LF 1 MIP X CTS QJ BALL CORP ST	1	91.340	EA	91.34
KSOFTG60	1 X 60 K SOFT COP TUBE	60	1002.550	C	601.53
FC4444NL	LF 1 CTS X CTS COMP COUP	1	29.980	EA	29.98
FBA43444WNL	LF 1 CTS X MTR ANG BV	1	163.490	EA	163.49

	SUBTOTAL				1153.06



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Item	Description	Quantity	Net Price	UM	Total
	2" RP BACKFLOW ASSEMBLY				

WLF009M2QTFSK	2 LF RPZ BFP ASSY	1	920.320	EA	920.32
CMAK	2 WROT CXM ADPT	2	25.410	EA	50.82
KHARDK20	2 X 20 K HARD COP TUBE	20	1918.450	C	383.69
C9K	2 WROT CXC 90 ELL 2-1/8 OD	4	23.010	EA	92.04
CUK	LF 2 WROT CXC UNION	1	91.410	EA	91.41
BGS3	1/2 - 2 PWDR COAT MTL ENC	1	464.760	EA	464.76

	SUBTOTAL				2003.04

	1-1/2 RP BF ASSEMBLY				

WLF009M2QTFSJ	1 1/2 LF RPZ BFP ASSY	3	735.830	EA	2207.49
CMAJ	1-1/2 WROT CXM ADPT	6	15.020	EA	90.12
KHARDJ20	1-1/2 X 20 K HARD COP TUBE	60	1361.810	C	817.09
C9J	1-1/2 WROT CXC 90 ELL 1-5/8 OD	12	12.640	EA	151.68
CUJ	LF 1-1/2 WROT CXC UNION	3	53.630	EA	160.89
BGS2	1-1/4 - 1-1/2 PWDR COAT MTL ENC	3	402.840	EA	1208.52

	SUBTOTAL				4635.79

	1" RP BACKFLOW ASSEMBLY				

WLF009M2QTFSG	1 LF RPZ BFP ASSY	3	379.080	EA	1137.24
CMAG	1 WROT CXM ADPT	14	8.920	EA	124.88
KSOFTG60	1 X 60 K SOFT COP TUBE	60	1002.550	C	601.53
C9G	1 WROT CXC 90 ELL 1-1/8 OD	12	5.470	EA	65.64
CUG	LF 1 WROT CXC UNION	3	22.620	EA	67.86
BGS1	3/4 - 1 PWDR COAT MTL ENC	3	418.980	EA	1256.94

	SUBTOTAL				3254.09

	6" RP BACKFLOW COC C-315				

W957OSYU	*NLA LF 6 RPZ 957 ASSYOS&Y	2	5225.870	EA	10451.74
FFPUU	6X6"0 FLGXFLG CL BT DI SPL	4	983.400	EA	3933.60
FFPUP	6X4"0 FLGXFLG CL BT DI SPL	4	781.800	EA	3127.20
F9U	6 DI 125# C110 FLG 90 BEND	8	203.040	EA	1624.32
MJFALAU	6 MJXFLG C153 ADPT L/A	4	93.420	EA	373.68
BP150A307BUX	6 - 8 150# A307B FLG BLT KIT *X	20	16.940	EA	338.80
ATSGAU	6 FF 1/8 TORUSEAL NSF61 FLG GSKT	20	11.340	EA	226.80
SSLDE6	6 DI MJ WDG REST GLND *ONELOK	4	32.650	EA	130.60
IMJBGPU	6 MJ C153 BLT GSKT PK L/ GLAND	4	32.450	EA	129.80
PPS100S	PIPE SUPP W/ 1 RSR & SDL MNT	4	71.990	EA	287.96

SP-QE7.0	CLAMSHELL - 2 PIECE - 30"W X 48"H X	2	2200.000	EA	4400.00

	SUBTOTAL				25024.50

	4" RP BACKFLOW COC C-315				

W957OSYP	*NLA LF 4 RPZ 957 ASSY OS&Y	1	2839.210	EA	2839.21
FFPPU	4X6"0 FLGXFLG CL BT DI SPL	2	801.600	EA	1603.20



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Fax: 602-262-4276

18:42:39 APR 06 2023

Reference No: B399258

Item	Description	Quantity	Net Price	UM	Total
FFPPP	4X4'0 FLGXFLG CL BT DI SPL	2	633.600	EA	1267.20
F9P	4 DI 125# C110 FLG 90 BEND	4	131.220	EA	524.88
MJFALAP	4 MJXFLG C153 ADPT L/A	2	68.040	EA	136.08
BP150A307BP	4 150# A307B FLG BLT KIT & N	10	8.530	EA	85.30
ATSGAP	4 FF 1/8 TORUSEAL NSF61 FLG GSKT	10	9.010	EA	90.10
SSLDE4	4 DI MJ WDG REST GLND *ONELOK	2	27.760	EA	55.52
IMJBGPP	4 MJ C153 BLT GSKT PK L/ GLAND	2	25.920	EA	51.84
PPS100S	PIPE SUPP W/ 1 RSR & SDL MNT	2	71.990	EA	143.98

SP-QE5	QE-5.0 24W X 40H X 63L TAN CAGE	1	1227.140	EA	1227.14

	SUBTOTAL				8024.45

	AIR RELEASE C-319				

F202B1438IP7	12X2 IP DBL STRP BRZ SDL DI/AC	2	306.250	EA	612.50
FFB5007NL	LF 2 MIP X MIP BALL CORP	2	320.380	EA	640.76
KHARDK20	2 X 20 K HARD COP TUBE	60	1918.450	C	1151.07
C9K	2 WROT CXC 90 ELL 2-1/8 OD	6	23.010	EA	138.06
CCK	2 WROT CXC COUP 2-1/8 OD	1	11.570	EA	11.57
FFB11007NL	LF 2 MIP X CTS PJ BALL CORP	2	392.760	EA	785.52
GBRNKU	LF 2X6 BRS NIP GBL	2	34.630	EA	69.26
IBRLFS9K	LF 2 BRS ST 90 ELL	2	53.270	EA	106.54
AD040K	2 COMB AIR RELEASE VLV	2	647.260	EA	1294.52
P80SF9K	2 PVC S80 SXF 90 ELL	4	24.170	EA	96.68
P80NKCL	2XCLOSE PVC S80 NIP	2	5.690	EA	11.38
AD040BUGSCREEN2	2 D040 BUG SCRIN *Z	2	42.880	EA	85.76
CCMB4	#4 CONC MTR BX	4	108.490	EA	433.96
O20304002	4 PLYMR MTR BX CVR CHANDLER *X	2	202.970	EA	405.94
	TOTAL				975979.71

	ADDERD				

K86054033416	12 HYMAX 2 OS REP COUP 13.15-14.41	9	870.590	EA	7835.31
K86054021716	8 HYMAX 2 REP COUP 8.54-9.84	9	479.260	EA	4313.34
K86054016316	6 HYMAX 2 REP COUP 6.42-7.68	5	424.490	EA	2122.45
AFT350P12	12 CL350 CL DI FASTITE PIPE	20	50.430	FT	1008.60
AFT350PU	6 CL350 CL DI FASTITE PIPE	20	24.990	FT	499.80
AFT350PX	8 CL350 CL DI FASTITE PIPE	20	32.910	FT	658.20
IGNK12	2X12 GALV STL NIP	23	37.740	EA	868.02
IGCAPK	2 GALV MI 150# CAP	23	12.630	EA	290.49
IGS9K	2 GALV MI 150# ST 90 ELL	23	32.310	EA	743.13
FNWX410CK	LF 2 BRS 600# WOG THRD 2PC FP BV	23	93.560	EA	2151.88

	SUBTOTAL				20491.22

Net Total:					\$996470.93



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FERGUSON WATERWORKS #3083
Price Quotation

Fax: 602-262-4276

18:42:39 APR 06 2023

Reference No: B399258

Quoted prices are based upon receipt of the total quantity for immediate shipment (48 hours). SHIPMENTS BEYOND 48 HOURS SHALL BE AT THE PRICE IN EFFECT AT TIME OF SHIPMENT UNLESS NOTED OTHERWISE. QUOTES FOR PRODUCTS SHIPPED FOR RESALE ARE NOT FIRM UNLESS NOTED OTHERWISE.

CONTACT YOUR SALES REPRESENTATIVE IMMEDIATELY FOR ASSISTANCE WITH DBE/MBE/WBE/SMALL BUSINESS REQUIREMENTS.

Seller not responsible for delays, lack of product or increase of pricing due to causes beyond our control, and/or based upon Local, State and Federal laws governing type of products that can be sold or put into commerce. This Quote is offered contingent upon the Buyer's acceptance of Seller's terms and conditions, which are incorporated by reference and found either following this document, or on the web at <https://www.ferguson.com/content/website-info/terms-of-sale>
Govt Buyers: All items are open market unless noted otherwise.

LEAD LAW WARNING: It is illegal to install products that are not "lead free" in accordance with US Federal or other applicable law in potable water systems anticipated for human consumption. Products with *NP in the description are NOT lead free and can only be installed in non-potable applications. Buyer is solely responsible for product selection.

COVID-19 ORDER: ANY REFERENCE TO OR INCORPORATION OF EXECUTIVE ORDER 14042 AND/OR THE EO-IMPLEMENTING FEDERAL CLAUSES (FAR 52.223-99 AND/OR DFARS 252.223-7999) IS EXPRESSLY REJECTED BY SELLER AND SHALL NOT APPLY AS SELLER IS A MATERIALS SUPPLIER AND THEREFORE EXEMPT UNDER THE EXECUTIVE ORDER.

Buyer shall accept delivery of products within 60 days of Seller receiving the products at Seller's warehouse. If Buyer causes or requests a delay in delivery of the products, Buyer may be subject to storage fees and additional costs caused by such delay. Seller reserves the right to requote the products and reschedule the delivery date, subject to manufacturer's lead times and price increases, if Buyer is unable to accept delivery within 60 days.

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Fullerform Systems Inc.
24 East Pioneer St.
PHOENIX, AZ 85040
Phone (602) 268-5701



Quotation

EXPIRATION DATE	QUOTE NUMBER
05/03/2023	S100019704
Fullerform Systems Inc. 24 East Pioneer St. PHOENIX, AZ 85040 Phone (602) 268-5701	
PAGE NO. 1 of 26	

QUOTE TO:

SHIP TO:

B&F CONTRACTING, INC
11011 N. 23RD AVENUE
PHOENIX, AZ 85029

B&F CONTRACTING, INC
11011 N. 23RD AVENUE
PHOENIX, AZ 85029

CUSTOMER NUMBER	CUSTOMER PO NUMBER	JOB NAME / RELEASE NUMBER	SALESPERSON	
129	Chandler Blvd Dobson Rd		JJ PARKINSON	
WRITER		SHIP VIA	TERMS	FREIGHT ALLOWED
JJ PARKINSON			1% disc 20 days, Net 30	No
ORDER QTY	DESCRIPTION		UNIT PRICE	EXT PRICE
6876ft	Project: Chandler Blvd Dobson Rd to Chippements Place Spec: City of Chandler Bid Date: 4/3/2023 Pricing Valid: 30 Days			
	12" DIP WATER			

	12TR350 12" TR FLEX DIP CL350		69.169/ft	475602.61
	Subtotal -----			475602.61
7ea	12" Fittings			

	3DT-BLUE / 3DT-WATER 1000' ROLL OF DETECTABLE WATER TAPE BLUE		37.833/ea	264.83
	1000' ROLL OF DETECTABLE WATER TAPE BLUE			
15ea	14UF BLUE WIRE X 500		76.667/ea	1150.00
50ea	PWTAPPE / TA-33-PW21 POLYTAPPE 2" X 100' X 10 MIL		5.950/ea	297.50
23ea	27"X340', BLACK, POLYWRAP PERF 20' (10-12") 10-12" BLACK		203.547/ea	4681.57
50ea	PWTAPPE / TA-33-PW21 POLYTAPPE 2" X 100' X 10 MIL		5.950/ea	297.50
8ea	FTD1212 12" FLANGE TEE		1149.444/ea	9195.55

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Quotation

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ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
1ea	MJFT1212 12" MJ X FLANGE TEE	746.769/ea	746.77
1ea	MJT1212 12" MJ TEE	525.525/ea	525.53
2ea	MJT1208 12" X 8" MJ TEE	410.069/ea	820.14
2ea	MJFT1208 12" MJ X 8" FLANGE TEE	520.975/ea	1041.95
2ea	FTD1208 12" X 8" FLANGE TEE	956.069/ea	1912.14
1ea	MJFT1206 12" MJ X 6" FLANGE TEE	469.219/ea	469.22
4ea	MJFA12 12" MJ X FLANGE ADAPTER	328.169/ea	1312.68
3ea	MJB2212 12" MJ 22-1/2 DEG BEND	273.569/ea	820.71
17ea	MJB4512 12" MJ 45 DEG BEND	312.813/ea	5317.81
6ea	MJSL12 12" MJ SOLID SLEEVE (LONG)	288.356/ea	1730.14
74ea	SGDP12 / 113850 12" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP	108.369/ea	8019.29
74ea	MJBGAS12 12" MEGA LUG GASKET & BOLT KIT	35.263/ea	2609.43
1ea	SGDP08 / 113836 8" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP	50.184/ea	50.18
1ea	MJBGAS08 8" MEGA LUG GASKET & BOLT KIT	25.594/ea	25.59
4ea	1012BN 10"-12" BOLT&NUT SET (12EA) 7/8" X 3-3/4" A307A ZINC 10"-12"BN	40.900/ea	163.60
4ea	12GASKET 12" FULL FACE 1/8" NEOPRENE GASKET	10.800/ea	43.20
	Subtotal -----		41495.33
	12" PC-350 TJ DIP -----		
1404ft	12TJ350 12" TJ DIP CL350 12DIP350	49.979/ft	70170.52
	Subtotal -----		70170.52

** Continued on Next Page **



Quotation

EXPIRATION DATE	QUOTE NUMBER	PAGE NO.
05/03/2023	S100019704	3 of 26

ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
	12" Fittings -----		
3ea	3DT-BLUE / 3DT-WATER 1000' ROLL OF DETECTABLE WATER TAPE BLUE	37.833/ea	113.50
4ea	14UF BLUE WIRE X 500	76.667/ea	306.67
20ea	PWTAPE / TA-33-PW21 POLYTAPE 2" X 100' X 10 MIL .	5.950/ea	119.00
5ea	27"X340', BLACK, POLYWRAP PERF 20' (10-12") 10-12" BLACK	203.547/ea	1017.73
	Subtotal -----		1556.90
	8" DIP RJ -----		
378ft	8TR350 8" TR FLEX DIP CL350	44.474/ft	16811.06
	Subtotal -----		16811.06
	8" Fittings -----		
1ea	14UF BLUE WIRE X 500	76.667/ea	76.67
5ea	PWTAPE / TA-33-PW21 POLYTAPE 2" X 100' X 10 MIL .	5.950/ea	29.75
1ea	MJT1208 12" X 8" MJ TEE	410.069/ea	410.07
1ea	FTD1208 12" X 8" FLANGE TEE	956.069/ea	956.07
3ea	MJFT1208 12" MJ X 8" FLANGE TEE	520.975/ea	1562.93
1ea	MJT0806 8" X 6" MJ TEE	218.400/ea	218.40
3ea	MJFT0806 8" MJ X 6" FLANGE TEE	245.131/ea	735.39
1ea	MJR0806 8" X 6" MJ REDUCER	104.081/ea	104.08
1ea	MJFA08 8" MJ X FLANGE ADAPTER	147.875/ea	147.88
1ea	68BN 6"-8" BOLT&NUT SET (8EA) 3/4" X 3-1/4" A307A ZINC 6"-8"BN	15.700/ea	15.70

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Quotation

EXPIRATION DATE	QUOTE NUMBER	PAGE NO.
05/03/2023	S100019704	4 of 26

ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
1ea	8GASKET 8" FULL FACE 1/8" NEOPRENE GASKET	5.340/ea	5.34
8ea	SGDP12 / 113850 12" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP	108.369/ea	866.95
8ea	MJBGAS12 12" MEGA LUG GASKET & BOLT KIT	35.263/ea	282.10
10ea	SGDP08 / 113836 8" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP	50.184/ea	501.84
11ea	MJBGAS08 8" MEGA LUG GASKET & BOLT KIT	25.594/ea	281.53
3ea	MJP08T 8" X 2" MJ TAPPED PLUG	126.831/ea	380.49
1ea	MJSL08 8" MJ SOLID SLEEVE (LONG)	179.156/ea	179.16
	Subtotal -----		6754.35
	16" Tie-In -----		
4ea	FTD1608 16" X 8" FLANGE TEE	1593.069/ea	6372.28
2ea	MJSL16 16" MJ SOLID SLEEVE (LONG)	551.119/ea	1102.24
1ea	MJFA16 16" MJ X FLANGE ADAPTER	594.913/ea	594.91
18ft	16TJ250 16" TJ DIP CL250 16DIP250	74.065/ft	1333.18
	.		
1ea	2516-1 FxMJ 16" FL X MJ GATE VALVE 2516-1 NRS W/ 2" OP NUT	7755.435/ea	7755.43
6ea	SGDP16 / 113874 16" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP	205.295/ea	1231.77
6ea	MJBGAS16 16" MEGA LUG GASKET & BOLT KIT	55.738/ea	334.43
2ea	16BN 16" BOLT&NUT SET (16EA) 1" X 4-1/2" A307A 16"BN	73.240/ea	146.48
2ea	16GASKET 16" FULL FACE 1/8" NEOPRENE GASKET	15.420/ea	30.84
	.		
1ea	VB-TOP-16" 562A/564A 16" VALVE BOX TOP	72.500/ea	72.50

** Continued on Next Page **



Quotation

EXPIRATION DATE	QUOTE NUMBER	PAGE NO.
05/03/2023	S100019704	5 of 26

ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
1ea	VB-LID-LV 562A/564A VALVE BOX LID LONG VANES (4" VANES LAS VEGAS / AVONDALE)	41.875/ea	41.88
1ea	VB-BOT-24" 562A 24" VALVE BOX BOTTOM	72.500/ea	72.50
1ea	DC457-BLUE BLUE 562A DEBRIS CAP	64.667/ea	64.67
	Subtotal -----		19153.11
	Temp Cap For Testing -----		
1ea	MJC08T 8" X 2" MJ TAPPED CAP	111.475/ea	111.48
2ea	2" GALV STREET 90 BEND ZMGLST9008	15.800/ea	31.60
1ea	2" X 6" GALV NIPPLE ZNG086	9.345/ea	9.34
1ea	514T08LF 2" IPS THREADED BRASS GATE VALVE	53.742/ea	53.74
1ea	SGDP08 / 113836 8" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP	50.184/ea	50.18
1ea	MJBGAS08 8" MEGA LUG GASKET & BOLT KIT	25.594/ea	25.59
	Subtotal -----		281.93
	6" PC-350 DIP -----		
234ft	6TR350 6" TR FLEX DIP CL350	33.926/ft	7938.78
	Subtotal -----		7938.78
	6" Fittings -----		
1ea	3DT-BLUE / 3DT-WATER 1000' ROLL OF DETECTABLE WATER TAPE BLUE	37.833/ea	37.83
1ea	14UF BLUE WIRE X 500	76.667/ea	76.67
1ea	PWTAPE / TA-33-PW21 POLYTAPE 2" X 100' X 10 MIL	5.950/ea	5.95
	.		

** Continued on Next Page **



Quotation

EXPIRATION DATE	QUOTE NUMBER	PAGE NO.
05/03/2023	S100019704	6 of 26

ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
1ea	20"X340', BLACK, POLYWRAP PERF 20' (6-8") 6-8" BLACK	150.960/ea	150.96
5ea	PWTAPE / TA-33-PW21 POLYTAPE 2" X 100' X 10 MIL	5.950/ea	29.75
4ea	MJFT1206 12" MJ X 6" FLANGE TEE	469.219/ea	1876.88
6ea	MJB9006 6" MJ 90 DEG BEND	122.850/ea	737.10
3ea	MJC06T 6" X 2" MJ TAPPED CAP	80.194/ea	240.58
9ea	SGDP12 / 113850 12" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP	108.369/ea	975.32
9ea	MJBGAS12 12" MEGA LUG GASKET & BOLT KIT	35.263/ea	317.36
5ea	SGDP06 / 113829 6" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP	33.395/ea	166.98
5ea	MJBGAS06 6" MEGA LUG GASKET & BOLT KIT	22.750/ea	113.75
Subtotal -----			4729.13
4" Pipe			
54ft	4TJ350 4" TJ DIP CL350 4DIP350	37.413/ft	2020.31
Subtotal -----			2020.31
4" Fittings			
2ea	MJFT1204 12" MJ X 4" FLANGE TEE	444.763/ea	889.53
4ea	SGDP12 / 113850 12" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP	108.369/ea	433.48
4ea	MJBGAS12 12" MEGA LUG GASKET & BOLT KIT	35.263/ea	141.05
8ea	SGDP04 / 113812 4" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP	28.395/ea	227.16
8ea	MJBGAS04 4" MEGA LUG GASKET & BOLT KIT	19.906/ea	159.25

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Quotation

EXPIRATION DATE	QUOTE NUMBER	PAGE NO.
05/03/2023	S100019704	7 of 26

ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
4ea	MJB9004 4" MJ 90 DEG BEND	75.075/ea	300.30
	Subtotal -----		2150.77
	Temp Cap for Testing -----		
2ea	MJC04T 4" X 2" MJ TAPPED CAP	58.581/ea	117.16
4ea	2" GALV STREET 90 BEND ZMGLST9008	15.800/ea	63.20
2ea	2" X 6" GALV NIPPLE ZNG086	9.345/ea	18.69
2ea	514T08LF 2" IPS THREADED BRASS GATE VALVE	53.742/ea	107.48
2ea	SGDP04 / 113812 4" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP	28.395/ea	56.79
2ea	MJBGAS04 4" MEGA LUG GASKET & BOLT KIT	19.906/ea	39.81
	Subtotal -----		403.13
	12" Swing Tie-In At ACP -----		
4ea	242-1430 12" AC/SDR35/DIP/IPS MAXI COUPLING 12.50"-14.38"OD X 10" LONG	523.277/ea	2093.11
6ea	MJB4512 12" MJ 45 DEG BEND	312.813/ea	1876.88
2ea	MJB9012 12" MJ 90 DEG BEND	378.219/ea	756.44
16ea	SGDP12 / 113850 12" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP	108.369/ea	1733.90
16ea	MJBGAS12 12" MEGA LUG GASKET & BOLT KIT	35.263/ea	564.20
	Subtotal -----		7024.53
	Temp Cap For Testing -----		

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Quotation

EXPIRATION DATE	QUOTE NUMBER	PAGE NO.
05/03/2023	S100019704	8 of 26

ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
3ea	MJC12T 12" X 2" MJ TAPPED CAP	183.138/ea	549.41
6ea	2" GALV STREET 90 BEND ZMGLST9008	15.800/ea	94.80
3ea	2" X 6" GALV NIPPLE ZNG086	9.345/ea	28.03
3ea	514T08LF 2" IPS THREADED BRASS GATE VALVE	53.742/ea	161.22
3ea	SGDP12 / 113850 12" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP	108.369/ea	325.11
3ea	MJBGAS12 12" MEGA LUG GASKET & BOLT KIT	35.263/ea	105.79
	Subtotal -----		1264.36
	8" Swing Tie-In At ACP -----		
4ea	242-0960 8" AC/SDR35/DIP/IPS MAXI COUPLING 8.40"-9.75"OD X 10" LONG	335.125/ea	1340.50
1ea	242-0960 8" AC/SDR35/DIP/IPS MAXI COUPLING 8.40"-9.75"OD X 10" LONG	335.125/ea	335.12
	.		
8ea	MJB4508 8" MJ 45 DEG BEND	145.031/ea	1160.25
2ea	MJB9008 8" MJ 90 DEG BEND	177.450/ea	354.90
	.		
20ea	SGDP08 / 113836 8" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP	50.184/ea	1003.68
20ea	MJBGAS08 8" MEGA LUG GASKET & BOLT KIT	25.594/ea	511.88
	Subtotal -----		4706.33
	Temp Cap For Testing -----		
6ea	MJC08T 8" X 2" MJ TAPPED CAP	111.475/ea	668.85
12ea	2" GALV STREET 90 BEND ZMGLST9008	15.800/ea	189.60
6ea	2" X 6" GALV NIPPLE ZNG086	9.345/ea	56.07

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Quotation

EXPIRATION DATE	QUOTE NUMBER	PAGE NO.
05/03/2023	S100019704	9 of 26

ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
6ea	514T08LF 2" IPS THREADED BRASS GATE VALVE	53.742/ea	322.45
6ea	SGDP08 / 113836 8" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP	50.184/ea	301.10
6ea	MJBGAS08 8" MEGA LUG GASKET & BOLT KIT	25.594/ea	153.56
	Subtotal -----		1691.63
	6" Swing Tie-In At ACP -----		
4ea	242-0760 6" AC/SDR35/DIP/IPS MAXI COUPLING 6.28"-7.60" X 10" LONG	263.058/ea	1052.23
1ea	242-0760 6" AC/SDR35/DIP/IPS MAXI COUPLING 6.28"-7.60" X 10" LONG	263.058/ea	263.06
6ea	MJB4506 6" MJ 45 DEG BEND	99.531/ea	597.19
5ea	MJB9006 6" MJ 90 DEG BEND	122.850/ea	614.25
22ea	SGDP06 / 113829 6" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP	33.395/ea	734.69
22ea	MJBGAS06 6" MEGA LUG GASKET & BOLT KIT	22.750/ea	500.50
	Subtotal -----		3761.92
	Temp Cap for Testing -----		
4ea	MJC06T 6" X 2" MJ TAPPED CAP	80.194/ea	320.78
11ea	2" GALV STREET 90 BEND ZMGLST9008	15.800/ea	173.80
4ea	2" X 6" GALV NIPPLE ZNG086	9.345/ea	37.38
4ea	514T08LF 2" IPS THREADED BRASS GATE VALVE	53.742/ea	214.97
4ea	SGDP06 / 113829 6" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP	33.395/ea	133.58
4ea	MJBGAS06 6" MEGA LUG GASKET & BOLT KIT	22.750/ea	91.00

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ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
	Subtotal -----		971.51
	4" Swing Tie-In At ACP -----		
1ea	242-0550 4" AC/DIP/SDR35/IPS MAXI COUPLING 4.22"-5.60"OD X 10" LONG	193.328/ea	193.33
1ea	MJR0604 6" X 4" MJ REDUCER	71.663/ea	71.66
1ea	SGDP06 / 113829 6" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP	33.395/ea	33.40
1ea	MJBGAS06 6" MEGA LUG GASKET & BOLT KIT	22.750/ea	22.75
1ea	SGDP04 / 113812 4" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP	28.395/ea	28.40
1ea	MJBGAS04 4" MEGA LUG GASKET & BOLT KIT	19.906/ea	19.91
	Subtotal -----		369.45
	Temp Cap For Testing -----		
1ea	MJC04T 4" X 2" MJ TAPPED CAP	58.581/ea	58.58
2ea	2" GALV STREET 90 BEND ZMGLST9008	15.800/ea	31.60
1ea	2" X 6" GALV NIPPLE ZNG086	9.345/ea	9.34
1ea	514T08LF 2" IPS THREADED BRASS GATE VALVE	53.742/ea	53.74
1ea	SGDP04 / 113812 4" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP	28.395/ea	28.40
1ea	MJBGAS04 4" MEGA LUG GASKET & BOLT KIT	19.906/ea	19.91
	Subtotal -----		201.57
	Half Vert . Realignment Up or Down		

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ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE

2ea	12" Vert Realignment MJB2212	273.569/ea	547.14
14ea	12" MJ 22-1/2 DEG BEND MJB4512	312.813/ea	4379.38
32ea	12" MJ 45 DEG BEND SGDP12 / 113850	108.369/ea	3467.80
32ea	12" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP MJBGAS12	35.263/ea	1128.40
	12" MEGA LUG GASKET & BOLT KIT		
10ea	8" Vert Realignment MJB4508	145.031/ea	1450.31
20ea	8" MJ 45 DEG BEND SGDP08 / 113836	50.184/ea	1003.68
16ea	8" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP MJBGAS08	25.594/ea	409.50
	8" MEGA LUG GASKET & BOLT KIT		
4ea	6" Vert Realginment MJB4506	99.531/ea	398.13
	6" MJ 45 DEG BEND		
8ea	SGDP06 / 113829	33.395/ea	267.16
4ea	6" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP MJBGAS06	22.750/ea	91.00
	6" MEGA LUG GASKET & BOLT KIT		
	Subtotal -----		13142.50
	Full Vert. Realignment Up and Down -----		
18ea	12" Vert Realignment MJB4512	312.813/ea	5630.63
	12" MJ 45 DEG BEND		
36ea	SGDP12 / 113850	108.369/ea	3901.28
	12" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP		

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ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
36ea	MJBGAS12 12" MEGA LUG GASKET & BOLT KIT	35.263/ea	1269.45
	8" Vert Realignment		
16ea	MJB4508 8" MJ 45 DEG BEND	145.031/ea	2320.50
	.		
32ea	SGDP08 / 113836 8" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP	50.184/ea	1605.88
32ea	MJBGAS08 8" MEGA LUG GASKET & BOLT KIT	25.594/ea	819.00
	6" Vert Realignment		
16ea	MJB4506 6" MJ 45 DEG BEND	99.531/ea	1592.50
	.		
32ea	SGDP06 / 113829 6" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP	33.395/ea	1068.64
32ea	MJBGAS06 6" MEGA LUG GASKET & BOLT KIT	22.750/ea	728.00
	Subtotal -----		18935.88
	12" Valve		

30ea	12" FL X MJ GATE VALVE 2512-1 NRS W/ 2" OP NUT	2460.234/ea	73807.01
11ea	12" MJ X MJ GATE VALVE 2512-1 NRS W/ 2" OP NUT	2577.408/ea	28351.48
30ea	1012BN 10"-12" BOLT&NUT SET (12EA) 7/8" X 3-3/4" A307A ZINC 10"-12"BN	40.900/ea	1227.00
30ea	12GASKET 12" FULL FACE 1/8" NEOPRENE GASKET	10.800/ea	324.00
52ea	SGDP12 / 113850 12" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP	108.369/ea	5635.18
52ea	MJBGAS12 12" MEGA LUG GASKET & BOLT KIT	35.263/ea	1833.65
	.		
41ea	VB-TOP-16" 562A/564A 16" VALVE BOX TOP	72.500/ea	2972.50

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ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
41ea	VB-LID-LV 562A/564A VALVE BOX LID LONG VANES (4" VANES LAS VEGAS / AVONDALE)	41.875/ea	1716.88
41ea	VB-BOT-24" 562A 24" VALVE BOX BOTTOM	72.500/ea	2972.50
41ea	DC457-BLUE BLUE 562A DEBRIS CAP	64.667/ea	2651.33
2ea	8' VALVE STEM EXTENSION VSE-8	440.700/ea	881.40
2ea	SMALL DIRT RING SMALL DIRT RING	79.624/ea	159.25
4ea	VB-BOT-36" 564A 36" VALVE BOX BOTTOM	92.500/ea	370.00
	Subtotal -----		122902.18
	12" Permaseal Insertion Valve ----- *Permaseal Insertion Valves to be quoted by Tap Masters*		
6ea	VB-TOP-16" 562A/564A 16" VALVE BOX TOP	72.500/ea	435.00
6ea	VB-LID-LV 562A/564A VALVE BOX LID LONG VANES (4" VANES LAS VEGAS / AVONDALE)	41.875/ea	251.25
6ea	VB-BOT-24" 562A 24" VALVE BOX BOTTOM	72.500/ea	435.00
6ea	DC457-BLUE BLUE 562A DEBRIS CAP	64.667/ea	388.00
1ea	MJC12 12" MJ CAP	152.994/ea	152.99
1ea	SGDP12 / 113850 12" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP	108.369/ea	108.37
1ea	MJBGAS12 12" MEGA LUG GASKET & BOLT KIT	35.263/ea	35.26
	Subtotal -----		1805.87
10ea	Thrust Block 12" Pipe ----- SGDP12 / 113850 12" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP	108.369/ea	1083.69

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ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
	Subtotal -----		1083.69
8ea	Thrust Block 8" Pipe ----- SGDP08 / 113836 8" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP	50.184/ea	401.47
	Subtotal -----		401.47
2ea	Thrust Block 6" Pipe ----- SGDP06 / 113829 6" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP	33.395/ea	66.79
	Subtotal -----		66.79
7ea	8" Valve ----- 8" FL X MJ GATE VALVE 2508-1 NRS W/ 2" OP NUT	1311.139/ea	9177.97
3ea	8" MJ X MJ GATE VALVE 2508-1 NRS W/ 2" OP NUT	1335.522/ea	4006.57
7ea	68BN 6"-8" BOLT&NUT SET (8EA) 3/4" X 3-1/4" A307A ZINC 6"-8"BN	15.700/ea	109.90
7ea	8GASKET 8" FULL FACE 1/8" NEOPRENE GASKET	5.340/ea	37.38
13ea	SGDP08 / 113836 8" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP	50.184/ea	652.39
13ea	MJBGAS08 8" MEGA LUG GASKET & BOLT KIT	25.594/ea	332.72
10ea	VB-TOP-16" 562A/564A 16" VALVE BOX TOP	72.500/ea	725.00
10ea	VB-LID-LV 562A/564A VALVE BOX LID LONG VANES (4" VANES LAS VEGAS / AVONDALE)	41.875/ea	418.75
10ea	VB-BOT-24" 562A 24" VALVE BOX BOTTOM	72.500/ea	725.00

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ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
10ea	DC457-BLUE BLUE 562A DEBRIS CAP	64.667/ea	646.67
	Subtotal -----		16832.35
	6" Valve -----		
7ea	6" FL X MJ GATE VALVE 2506-1 NRS W/ 2" OP NUT	821.054/ea	5747.38
7ea	68BN 6"-8" BOLT&NUT SET (8EA) 3/4" X 3-1/4" A307A ZINC 6"-8"BN	15.700/ea	109.90
7ea	6GASKET 6" FULL FACE 1/8" NEOPRENE GASKET	4.000/ea	28.00
7ea	SGDP06 / 113829 6" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP	33.395/ea	233.77
7ea	MJBGAS06 6" MEGA LUG GASKET & BOLT KIT	22.750/ea	159.25
7ea	VB-TOP-16" 562A/564A 16" VALVE BOX TOP	72.500/ea	507.50
7ea	VB-LID-LV 562A/564A VALVE BOX LID LONG VANES (4" VANES LAS VEGAS / AVONDALE)	41.875/ea	293.13
7ea	VB-BOT-24" 562A 24" VALVE BOX BOTTOM	72.500/ea	507.50
7ea	DC457-BLUE BLUE 562A DEBRIS CAP	64.667/ea	452.67
	Subtotal -----		8039.10
	4" Valve -----		
2ea	4" FL X MJ GATE VALVE 2504-1 NRS W/ 2" OP NUT	628.406/ea	1256.81
2ea	4BN 4" BOLT&NUT SET (8EA) 5/8" X 3" A307A ZINC 4BN	9.560/ea	19.12
2ea	4GASKET 4" FULL FACE 1/8" NEOPRENE GASKET	2.560/ea	5.12
2ea	SGDP04 / 113812 4" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP	28.395/ea	56.79

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ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
2ea	MJBGAS04 4" MEGA LUG GASKET & BOLT KIT	19.906/ea	39.81
2ea	VB-TOP-16" 562A/564A 16" VALVE BOX TOP	72.500/ea	145.00
2ea	VB-LID-LV 562A/564A VALVE BOX LID LONG VANES (4" VANES LAS VEGAS / AVONDALE)	41.875/ea	83.75
2ea	VB-BOT-24" 562A 24" VALVE BOX BOTTOM	72.500/ea	145.00
2ea	DC457-BLUE BLUE 562A DEBRIS CAP	64.667/ea	129.33
	Subtotal -----		1880.73
	Fire Hydrant With 6" DIP Run -----		
1ea	MJFT0606 6" MJ X FLANGE TEE	203.044/ea	203.04
1ea	MJT0606 6" MJ TEE	176.313/ea	176.31
3ea	FTD0606 6" FLANGE TEE	312.813/ea	938.44
1ea	MJT0806 8" X 6" MJ TEE	218.400/ea	218.40
1ea	MJFT0806 8" MJ X 6" FLANGE TEE	245.131/ea	245.13
5ea	MJFT1206 12" MJ X 6" FLANGE TEE	469.219/ea	2346.09
1ea	MJFT1206 12" MJ X 6" FLANGE TEE	469.219/ea	469.22
6ea	MJFA06 6" MJ X FLANGE ADAPTER	98.394/ea	590.36
1ea	MJOH0624 6" X 24" MJ X SWIVEL OFFSET (GRADELOK)	654.650/ea	654.65
3ea	MJB9006 6" MJ 90 DEG BEND	122.850/ea	368.55
1ea	MJFB9006 6" MJ X FLANGE 90 DEG BEND	150.719/ea	150.72
12ea	SGDP12 / 113850 12" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP	108.369/ea	1300.43
12ea	MJBGAS12 12" MEGA LUG GASKET & BOLT KIT	35.263/ea	423.15

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ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
4ea	SGDP08 / 113836 8" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP	50.184/ea	200.74
4ea	MJBGAS08 8" MEGA LUG GASKET & BOLT KIT	25.594/ea	102.38
49ea	SGDP06 / 113829 6" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP	33.395/ea	1636.36
49ea	MJBGAS06 6" MEGA LUG GASKET & BOLT KIT	22.750/ea	1114.75
11ea	6" FL X MJ GATE VALVE 2506-1 NRS W/ 2" OP NUT	821.054/ea	9031.60
2ea	6" MJ X MJ GATE VALVE 2506-1 NRS W/ 2" OP NUT	821.054/ea	1642.11
13ea	VB-TOP-16" 562A/564A 16" VALVE BOX TOP	72.500/ea	942.50
13ea	VB-LID-LV 562A/564A VALVE BOX LID LONG VANES (4" VANES LAS VEGAS / AVONDALE)	41.875/ea	544.38
13ea	VB-BOT-24" 562A 24" VALVE BOX BOTTOM	72.500/ea	942.50
13ea	DC457-BLUE BLUE 562A DEBRIS CAP	64.667/ea	840.67
11ea	68BN 6"-8" BOLT&NUT SET (8EA) 3/4" X 3-1/4" A307A ZINC 6"-8"BN	15.700/ea	172.70
11ea	6GASKET 6" FULL FACE 1/8" NEOPRENE GASKET	4.000/ea	44.00
216ft	6TJ350 6" TJ DIP CL350 6DIP350	24.769/ft	5350.00
1ea	6" FIELD LOK GASKET 60102	81.259/ea	81.26
13ea	4'6"HYD-NST 4'6" WATEROUS HYDRANT SGC W/ 6" MJ SHOE 2EA 2-1/2"NST HOSE NOZZLES & 1EA 4-1/2"NST PUMPER	2596.842/ea	33758.95
13ea	HOS35-1 4-1/2" PUMPER HYDRANT OUT SERVICE RING (RED) HOS35-1	10.000/ea	130.00
Subtotal -----			64619.39
2" Service			

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ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
3ea	12" X 2" DOUBLE STRAP BRONZE SADDLE FOR DIP 3826 12X2	304.018/ea	912.06
3ea	2" MIP X FIP BALL CORP NO LEAD 73149B-2	335.193/ea	1005.58
6ea	2" COPPER MALE ADAPTER (MPT X CU) CCMA0200	14.662/ea	87.97
3ea	2" AMS FNPT X METER W/ LOCKWING NO LEAD 74604B-2-NL	400.202/ea	1200.61
3ea	#4 CONCRETE METER BOX OUTSIDE DIMENSION 22-3/4"x33-1/2"x12"	85.663/ea	256.99
3ea	A6001852-MAG4-H9 #4 POLYMER METER BOX COVER W/ TOUCH READ HOLE 19-1/2"x30" CHANDLER (FOR CONC BOX)	162.175/ea	486.53
80ft	2K20HARD 2" X 20' TYPE "K" HARD COPPER	21.075/ft	1686.02
3ea	2" COPPER 45 DEG ELBOW (CU) CCLF0200	12.323/ea	36.97
7ea	2" COPPER 90 DEG ELBOW (CU) CCLN0200	13.277/ea	92.94
	Private Side Tie-In		
3ea	7610F-2NL 2" METER FLANGE X FNPT	85.016/ea	255.05
3ea	112BN / 2BN 5/8" X 2-1/2" (2EA) BOLT&NUT SET ZINC FOR 1-1/2" & 2" METER FLANGE	6.600/ea	19.80
3ea	2" COPPER MALE ADAPTER (MPT X CU) CCMA0200	14.662/ea	43.98
5ea	2" COPPER 90 DEG ELBOW (CU) CCLN0200	13.277/ea	66.39
45ft	2K20HARD 2" X 20' TYPE "K" HARD COPPER	21.075/ft	948.39
	Subtotal -----		7099.28
	2" Water Service Tie-In No Meter Box		

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ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
2ea	12" X 2" DOUBLE STRAP BRONZE SADDLE FOR DIP 3826 12X2	304.018/ea	608.04
80ft	2K20HARD	21.075/ft	1686.02
6ea	2" X 20' TYPE "K" HARD COPPER		
6ea	2" COPPER 45 DEG ELBOW (CU) CCLF0200	12.323/ea	73.94
2ea	2" COPPER 90 DEG ELBOW (CU) CCLN0200	13.277/ea	26.55
2ea	2" COPPER COUPLING CCCP0200	6.677/ea	13.35
	Subtotal -----		2407.90
	1-1/2" Service		

12ea	12" X1 1/ 2" DOUBLE STRAP BRONZE SADDLE FOR DIP 3826 12X1-1/2	298.633/ea	3583.60
12ea	1-1/ 2" MIP X FIP BALL CORP NO LEAD 73149B-112	207.255/ea	2487.06
24ea	1 1/ 2" COPPER MALE ADAPTER (MPT X CU) CCMA0150	8.662/ea	207.88
12ea	1-1/ 2" AMS FIP X FLANGE NO LEAD BALL STYLE LOCK WING 74604B-1-1/2"	339.143/ea	4069.71
12ea	#4 CONCRETE METER BOX OUTSIDE DIMENSION 22-3/4"x33-1/2"x12"	85.663/ea	1027.95
12ea	A6001852-MAG4-H9 #4 POLYMER METER BOX COVER W/ TOUCH READ HOLE 19-1/2"x30" CHANDLER (FOR CONC BOX)	162.175/ea	1946.10
	.		
360ft	112K20HARD	14.021/ft	5047.63
14ea	1-1/2" X 20' TYPE "K" HARD COPPER		
14ea	1 1/ 2" COPPER 45 DEG ELBOW (CU) CCLF0150	7.385/ea	103.39
18ea	1-1/ 2" COPPER 90 DEG ELBOW (CU) CCLN0150	7.292/ea	131.26
14ea	1-1/ 2" COPPER COUPLING CCCP0150	4.000/ea	56.00
	Subtotal -----		18660.58
	Private Side Tie-In Existing Meter		

12ea	7610F-112NL	65.108/ea	781.30
	1-1/2" METER FLANGE X FNPT		

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ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
12ea	112BN / 2BN 5/8" X 2-1/2" (2EA) BOLT&NUT SET ZINC FOR 1-1/2" & 2" METER FLANGE	6.600/ea	79.20
12ea	1 1/2" COPPER MALE ADAPTER (MPT X CU) CCMA0150	8.662/ea	103.94
18ea	1-1/2" COPPER 90 DEG ELBOW (CU) CCLN0150	7.292/ea	131.26
18ft	112K20HARD 1-1/2" X 20' TYPE "K" HARD COPPER	14.021/ft	252.38
	Subtotal -----		1348.08
	1 1/2" Service Tie-In Existing Meter -----		
1ea	12" X1 1/2" DOUBLE STRAP BRONZE SADDLE FOR DIP 3826 12X1-1/2	298.633/ea	298.63
1ea	1-1/2" MIP X FIP BALL CORP NO LEAD 73149B-112	207.255/ea	207.26
2ea	1 1/2" COPPER MALE ADAPTER (MPT X CU) CCMA0150	8.662/ea	17.32
1ea	1-1/2" AMS FIP X FLANGE NO LEAD BALL STYLE LOCK WING 74604B-1-1/2"	339.143/ea	339.14
60ft	112K20HARD 1-1/2" X 20' TYPE "K" HARD COPPER	14.021/ft	841.27
3ea	1-1/2" COPPER 90 DEG ELBOW (CU) CCLN0150	7.292/ea	21.88
1ea	1 1/2" COPPER 45 DEG ELBOW (CU) CCLF0150	7.385/ea	7.38
1ea	1-1/2" COPPER COUPLING CCCP0150	4.000/ea	4.00
	Subtotal -----		1736.88
	1" Water Service -----		
5ea	12" X 1" DOUBLE STRAP BRONZE SADDLE FOR DIP 3826 12X1	264.779/ea	1323.90
5ea	1" MIP X PJ CTS BALL CORP NO LEAD 74704B-22-1	95.558/ea	477.79
100ft	1K100SOFT 1" X 100' TYPE "K" SOFT COPPER	9.667/ft	966.71
60ft	1K60SOFT 1" X 60' TYPE "K" SOFT COPPER	9.667/ft	580.03

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ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
5ea	1" AMS CTS X METER NO LEAD 74602B-22-1NL	171.079/ea	855.40
5ea	#2 CONCRETE METER BOX OUTSIDE DIMENSION 18"x25-3/4"x12"	60.743/ea	303.71
5ea	A6001832-MAG2-H9 #2 CHANDLER POLYMER METER BOX LID W/ TR HOLE 14-1/8"x21-3/4" (FOR CONC BOX)	97.525/ea	487.63
1ea	4" X 6' SCH40 GALV PLAIN END PIPE (FOR BOLLARDS) Non Return / Non Cancellable	200.000/ea	200.00
	Subtotal -----		5195.17
	Private Side Tie-In -----		
5ea	1"X1"X2.63 METER COUPLING X MIPT NO LEAD 74620-1NL	22.528/ea	112.64
60ft	1K60SOFT 1" X 60' TYPE "K" SOFT COPPER	9.667/ft	580.03
5ea	1" CPLG CTS X CTS NO LEAD 74758-22-1NL	31.369/ea	156.85
	Subtotal -----		849.52
	1" Water Service Tie-In No Meter Box -----		
1ea	12" X 1" DOUBLE STRAP BRONZE SADDLE FOR DIP 3826 12X1	264.779/ea	264.78
1ea	1" MIP X PJ CTS BALL CORP NO LEAD 74704B-22-1 *Use leftover copper from 60' roll above*	95.558/ea	95.56
1ea	1" CPLG CTS X CTS NO LEAD 74758-22-1NL	31.369/ea	31.37
1ea	1" AMS CTS X METER NO LEAD 74602B-22-1NL	171.079/ea	171.08
	Subtotal -----		562.79
	2" RP Backflow Assembly -----		

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ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
1ea	LF009M2QT-2" / 391007 2" LF009M2-QT STRAIGHT RP BACKFLOW	744.825/ea	744.83
2ea	2" COPPER MALE ADAPTER (MPT X CU) CCMA0200	14.662/ea	29.32
20ft	2K20HARD 2" X 20' TYPE "K" HARD COPPER	21.075/ft	421.51
4ea	2" COPPER 90 DEG ELBOW (CU) CCLN0200	13.277/ea	53.11
1ea	2" COPPER UNION - LEAD FREE CCCU0200-NL	143.892/ea	143.89
1ea	10"W X 24"H X 40"L HINGED GUARD SHACK QE-3	437.333/ea	437.33
Subtotal -----			1829.99
1-1/2" RP Backflow Assembly -----			
3ea	LF009M2-QT-1-1/2" / 391006 1-1/2" LF009M2-QT STRAIGHT RP BACKFLOW	653.363/ea	1960.09
6ea	1 1/2" COPPER MALE ADAPTER (MPT X CU) CCMA0150	8.662/ea	51.97
60ft	112K20HARD 1-1/2" X 20' TYPE "K" HARD COPPER	14.021/ft	841.27
12ea	1-1/2" COPPER 90 DEG ELBOW (CU) CCLN0150	7.292/ea	87.51
3ea	1-1/2" COPPER UNION - LEAD FREE CCCU0112-NL	75.615/ea	226.85
3ea	10"W X 24"H X 30"L LIFT-OFF GUARD SHACK QE-2	378.667/ea	1136.00
Subtotal -----			4303.69
1" RP Backflow Assembly -----			
3ea	LF009M2-QT-1" / 391004 1" LF009M2-QT STRAIGHT RP BACKFLOW	234.700/ea	704.10
14ea	1" COPPER MALE ADAPTER (MPT X CU) CCMA0100	5.092/ea	71.29
60ft	1K20HARD 1" X 20' TYPE "K" HARD COPPER	8.698/ft	521.86
12ea	1" COPPER 90 DEG ELBOW (CU) CCLN0100	3.092/ea	37.11
3ea	1" COPPER UNION - LEAD FREE CCCU0100-NL	14.215/ea	42.65

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ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
3ea	10"W X 24"H X 30"L LIFT-OFF GUARD SHACK QE-2	378.667/ea	1136.00
	Subtotal -----		2513.01
	Fireline and FDC Modified Installation Per Chandler Detail FD103 6" RP Backflow COC C-315 -----		
2ea	957-NRS-6" / 111605 6" 957NRS STRAIGHT RP BACKFLOW *Providing NRS Valves Due to Cage*	5495.688/ea	10991.38
4ea	6" X 6' FL SPOOL	779.375/ea	3117.50
4ea	6" X 4' FL SPOOL	620.275/ea	2481.10
8ea	FBD9006 6" FLANGE 90 DEG BEND	213.850/ea	1710.80
4ea	MJFA06 6" MJ X FLANGE ADAPTER	98.394/ea	393.58
20ea	68BN 6"-8" BOLT&NUT SET (8EA) 3/4" X 3-1/4" A307A ZINC 6"-8"BN	15.700/ea	314.00
20ea	6GASKET 6" FULL FACE 1/8" NEOPRENE GASKET	4.000/ea	80.00
4ea	SGDP06 / 113829 6" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP	33.395/ea	133.58
4ea	MJBGAS06 6" MEGA LUG GASKET & BOLT KIT	22.750/ea	91.00
4ea	UNIVERSAL ADJ PIPE SUPPORT *Guard Shack Not Typically Used on 6" Backflow Assembly Please verify Diemnsions Required. Price subject to change based on requirements*	68.400/ea	273.60
2ea	38"W X 60"H X 99.5"L CAMSHELL GUARD SHACK (2 PIECE) QE-8	2336.000/ea	4672.00
4ea	34ATR 3/4" X 10' ALL THREAD ROD ZINC PLATED	35.080/ea	140.32
8ea	3/ 4 BRASS PLUG NO LEAD B-PL04LF	3.859/ea	30.87
	Subtotal -----		24429.73

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ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
	4" RP Backflow COC C-315 -----		
1ea	957-NRS-4" / 111604 4" 957NRS STRAIGHT RP BACKFLOW	2756.788/ea	2756.79
2ea	4" X 6' FL SPOOL	636.938/ea	1273.88
2ea	4" X 4' FL SPOOL	503.638/ea	1007.28
4ea	FBD9004 4" FLANGE 90 DEG BEND	138.206/ea	552.83
2ea	MJFA04 4" MJ X FLANGE ADAPTER	71.663/ea	143.33
10ea	4BN 4" BOLT&NUT SET (8EA) 5/8" X 3" A307A ZINC 4BN	9.560/ea	95.60
10ea	4GASKET 4" FULL FACE 1/8" NEOPRENE GASKET	2.560/ea	25.60
2ea	SGDP04 / 113812 4" DIP STARGRIP SERIES 3000 / TYLER SERIES 1000 TUFGRIP	28.395/ea	56.79
2ea	MJBGAS04 4" MEGA LUG GASKET & BOLT KIT	19.906/ea	39.81
2ea	UNIVERSAL ADJ PIPE SUPPORT	68.400/ea	136.80
4ea	1/ 2" BRASS PLUG - NO LEAD B-PL03LF	3.365/ea	13.46
	Subtotal -----		6102.17
	Added Item Air Release C-319 -----		
2ea	12" X 2" DOUBLE STRAP BRONZE SADDLE FOR DIP 3826 12X2	304.018/ea	608.04
2ea	2" MIP X FIP BALL CORP NO LEAD 73149B-2	335.193/ea	670.39
2ea	2" COPPER MALE ADAPTER (MPT X CU) CCMA0200	14.662/ea	29.32
60ft	2K60SOFT 2" X 60' TYPE "K" SOFT COPPER	24.091/ft	1445.44
6ea	2" COPPER 90 DEG ELBOW (CU) CCLN0200	13.277/ea	79.66
1ea	2" COPPER COUPLING CCCP0200	6.677/ea	6.68
2ea	2" CTS X FIPT CURB STOP NO LEAD 76102-22-2NL	406.232/ea	812.46
2ea	2" X 6" BRASS NIPPLE NBR086	34.182/ea	68.36

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ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
2ea	2" BRONZE STREET 90 ELBOW - NO LEAD B-ST9008LF	48.028/ea	96.06
2ea	2" AIR / VAC CR-UL20.1 CR-UL20.1	693.538/ea	1387.08
4ea	2" SCH80 90 BEND 806-020	6.819/ea	27.27
2ea	2" X 6" SCH 80 NIPPLE 887-060	9.206/ea	18.41
2ea	MISC-BUG-2"-F-20 2" BUG SCREEN FOR ARV DETAIL FIPT W/ 20 MESH BUGSCREEN-2"	35.133/ea	70.27
4ea	#4 CONCRETE METER BOX OUTSIDE DIMENSION 22-3/4"x33-1/2"x12"	85.663/ea	342.65
2ea	20304001 / A6001852-MAG4 #4 POLYMER SOLID METER BOX COVER 19-1/2"x30" PHOENIX MESA AVONDALE (RETRO-FIT FOR CONC BOX)	154.175/ea	308.35
	Subtotal -----		5970.44
	Additional Material For Tie-Ins To Cap Pipe That Will Later Be Abandoned -----		
9ea	860-54-0334-16 12" HYMAX 2 FLIP COUPLING 13.15-14.41	709.719/ea	6387.47
9ea	860-54-0217-16 8" HYMAX 2 FLIP COUPLING 8.54-9.84	390.694/ea	3516.24
5ea	860-54-0163-16 6" HYMAX 2 FLIP COUPLING 6.42-7.68	346.044/ea	1730.22
18ft	12TJ350 12" TJ DIP CL350 12DIP350	49.979/ft	899.62
18ft	8TJ350 8" TJ DIP CL350 8DIP350	32.611/ft	586.99
18ft	6TJ350 6" TJ DIP CL350 6DIP350	24.769/ft	445.83
23ea	2" X 12" GALV NIPPLE ZNG0812	20.425/ea	469.77
23ea	2" GALV CAP ZMGCA08	6.060/ea	139.38
23ea	2" GALV STREET 90 BEND ZMGLST9008	15.800/ea	363.40
23ea	759T08LF / 2117T-2 2" FULL PORT BRASS BALL VALVE FPTXFPT	60.492/ea	1391.33

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ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
	Subtotal -----		15930.25
*ALL PRODUCTS WILL BE PRICED IN EFFECT AT TIME OF SHIPMENT. *DUE TO SUPPLY CHAIN PRICE INCREASES.		Subtotal	1017708.66
		S&H Charges	0.00
		Estimated Tax	0.00
		Amount Due	1017708.66



OF PHOENIX

WATER • SEWER • STORM

11051 N 132ND AVE
SURPRISE, AZ 85379

PHONE (623) 536-6192
FAX (623) 536-9307

Quoted To Customer

B & F CONTRACTING INC
11011 N 23RD AVE
PHOENIX, AZ 85029-4828

Phone (623) 582-1170
Fax (623) 582-3761

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Quoted By

DANNY KOELLEN
drkoellen@winwaterworks.com
(623) 229-2804

Customer	Payment Terms		Quoted To	Salesperson		FOB
002037	2% 10TH, NET 25TH		DANNY KOELLEN	HOUSE ACCOUNT		S
Line	Qty.	Description	Unit Price	UOM	Extended Price	
1.0	6876	12" CL350 DIP RESTRAINED JOINT TR-FLEX CEMENT LINED	71.4400	FT	491221.44	
2.0	7140	27 POLYWRAP BLACK 10-12 DIP 340'	.8300	FT	5926.20	
3.0	7	3 X 1000 DETECTABLE WATER TAPE	33.1700	EA	232.19	
4.0	15	12 GA BLUE TRACER WIRE 500' SOLID CORE	125.2500	EA	1878.75	
5.0	50	T17-102 2X100 10 MIL PVC TAPE Spec sheet: https://pimmedia.winsupplyinc.com/pim/SPEC/092017/JONES-STEPHENS-WORLD-AND-MAIN_T17102_140JT17102_SPEC.pdf	6.7500	EA	337.50	

7.0	8	12 FE TEE CL-TC IMP 132721 IMP L/ACC C110	1180.9600	EA	9447.68	
8.0	1	12 MJXFE TEE C153 CL-TC IMP 422457 IMP L/ACC C153	767.2500	EA	767.25	
9.0	1	12 MJXMJ TEE C153 CL-TC IMP 101116 IMP L/ACC C153	539.9300	EA	539.93	
10.0	2	12X8 DI MJ TEE F 101215 IMP L/ACC C153	421.3200	EA	842.64	
11.0	2	12X8 FE TEE CL-TC IMP 132769 IMP L/ACC C110	982.2800	EA	1964.56	
12.0	1	12X6 DI MJ X FLG TEE 422488 IMP L/ACC C153	482.0900	EA	482.09	
13.0	4	12 DI MJ X FLANGE ADAPTER 371168 IMP L/ACC C153	337.1700	EA	1348.68	
14.0	3	12 MJ 22-1/2 C153 CL-TC IMP 099932 IMP L/ACC C153	281.0800	EA	843.24	
15.0	17	12 DI MJ 45 099956 IMP L/ACC C153	321.3900	EA	5463.63	
16.0	6	12 DI MJ LONG SOLID SLEEVE 137337 IMP L/ACC C153	296.2700	EA	1777.62	

18.0	74	12 TUFGRIP DI JNT REST &ACC F 114192 IMP W/ACC	151.7200	EA	11227.28	
19.0	1	8 TUFGRIP DI JNT REST &ACC F 114178 IMP W/ACC	79.3800	EA	79.38	
20.0	4	12 ZINK 150# FLANGE ACC KIT W/ 1/8" RR GASKET # FP12	49.3100	EA	197.24	

22.0	1404	12" CL350 DIP SJ	51.6100	FT	72460.44	

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Line	Qty.	Description	Unit Price	UOM	Extended Price
23.0	1700	27 POLYWRAP BLACK 10-12 DIP 340'	.8300	FT	1411.00
24.0	2	3 X 1000 DETECTABLE WATER TAPE	33.1700	EA	66.34
25.0	4	12 GA BLUE TRACER WIRE 500' SOLID CORE	125.2500	EA	501.00
26.0	20	T17-102 2X100 10 MIL PVC TAPE Spec sheet: https://pimmedia.winsupplyinc.com/pim/SPEC/092017/JONES-STEPHENS-WORLD-AND-MAIN_T17102_40JT17102_SPEC.pdf	6.7500	EA	135.00
28.0	378	8 CL350 DIP RESTRAINED JOINT TR-FLEX CEMENT LINED	46.9500	FT	17747.10
29.0	680	20 POLYWRAP BLACK 6-8 DIP 340' ROLL	.5500	FT	374.00
30.0	1	3 X 1000 DETECTABLE WATER TAPE	33.1700	EA	33.17
31.0	1	12 GA BLUE TRACER WIRE 500' SOLID CORE	125.2500	EA	125.25
32.0	5	T17-102 2X100 10 MIL PVC TAPE Spec sheet: https://pimmedia.winsupplyinc.com/pim/SPEC/092017/JONES-STEPHENS-WORLD-AND-MAIN_T17102_40JT17102_SPEC.pdf	6.7500	EA	33.75
34.0	1	12X8 DI MJ TEE F 101215 IMP L/ACC C153	421.3200	EA	421.32
35.0	1	12X8 FE TEE CL-TC IMP 132769 IMP L/ACC C110	982.2800	EA	982.28
36.0	3	12X8 DI MJXFLG TEE 422495 IMP L/ACC C153	535.2600	EA	1605.78
37.0	1	8X6 DI MJ TEE 101475 IMP L/ACC C153	224.3900	EA	224.39
38.0	3	8X6 DI MJ X FLG TEE 422556 IMP L/ACC C153	251.8600	EA	755.58
39.0	1	8X6 DI ALL MJ REDUCER 100874 IMP L/ACC C153	106.9400	EA	106.94
40.0	1	8 MJ X FLG ADAPT 371205 IMP L/ACC C153	151.9300	EA	151.93
42.0	1	8 ZINC 150# FLANGE ACC KIT W/ 1/8" RR GASKET # FP08	25.0200	EA	25.02
43.0	8	12 TUFGRIP DI JNT REST &ACC F 114192 IMP W/ACC	151.7200	EA	1213.76
44.0	10	8 TUFGRIP DI JNT REST &ACC F 114178 IMP W/ACC	79.3800	EA	793.80
45.0	1	391869 8 MJ ACCY PK L/GLND DOM BOLTS AND GASKETS ONLY IMP.	43.7500	EA	43.75
46.0	3	8 DI MJ TAPT CAP 248156 IMP L/ACC C153	114.5400	EA	343.62
47.0	1	8 DI MJ LONG SOLID SLEEVE 137412 IMP L/ACC C153	184.0800	EA	184.08
50.0	4	16"X8" FLANGE TEE C110 IMPORT	1535.5000	EA	6142.00
51.0	2	16 MJ L/SLV C153 TC IMP 137450 IMP L/ACC C153	566.2300	EA	1132.46

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Line	Qty.	Description	Unit Price	UOM	Extended Price
52.0	1	16 MJXFE ADPT C153 CL-TC IMP 129653 IMP L/ACC C153	611.2200	EA	611.22
53.0	18	16 CL350 DI PIPE SJ AC/CL TYTON JOINT	85.3900	EA	1537.02
54.0	1	8572 16 MJXFL RS GATE VALVE OL KENNEDY W/2" OP NUT SS STEM	7215.9100	EA	7215.91
56.0	6	16 TUFGRIP DI JNT REST &ACC F 114215 IMP W/ACC	272.2300	EA	1633.38
57.0	2	16" DI FLANGE ACCESSORY ZINC PLATED FFRR GASKET	74.8600	EA	149.72
59.0	1	6855-16T TOP SECTION SLIP LL 112228 IOMP L/ACC	72.5000	EA	72.50
60.0	1	6855-36B BOTTOM SECTION SLIP 112082 IMP L/ACC	92.5000	EA	92.50
61.0	1	NON-POP POLYMER LID - WATER	55.0000	EA	55.00
62.0	1	DC457 DEBRIS CAP BLUE - WATER	65.6300	EA	65.63
65.0	1	-----TEMP CAP - TESTING----- 8 DI MJ TAPT CAP 248156 IMP L/ACC C153	114.5400	EA	114.54
66.0	2	2" GALV MI 90 ST ELL 1M90S0909G	15.0200	EA	30.04
67.0	1	8 TUFGRIP DI JNT REST &ACC F 114178 IMP W/ACC	79.3800	EA	79.38
70.0	234	6" CL350 DIP RESTRAINED JOINT TR-FLEX CEMENT LINED	35.8200	FT	8381.88
71.0	340	20 POLYWRAP BLACK 6-8 DIP 340' ROLL	.5500	FT	187.00
72.0	1	3 X 1000 DETECTABLE WATER TAPE	33.1700	EA	33.17
73.0	1	12 GA BLUE TRACER WIRE 500' SOLID CORE	125.2500	EA	125.25
74.0	1	T17-102 2X100 10 MIL PVC TAPE Spec sheet: https://pimmedia.winsupplyinc.com/pim/SPEC/092017/JONES-STEPHENS-WORLD-AND-MAIN_T17102_140JT17102_SPEC.pdf	6.7500	EA	6.75
76.0	4	12X6 DI MJ X FLG TEE 422488 IMP L/ACC C153	482.0900	EA	1928.36
77.0	6	6 DI MJ 90 100218 IMP L/ACC C153	126.2200	EA	757.32
78.0	3	6 DI MJ TAPT CAP 248118 IMP L/ACC C153	82.4000	EA	247.20
79.0	9	12 TUFGRIP DI JNT REST &ACC F 114192 IMP W/ACC	151.7200	EA	1365.48
80.0	5	6 TUFGRIP DI JNT REST &ACC F 114161 IMP W/ACC	58.2500	EA	291.25
83.0	54	4" TYTON DIP CL350 18'	38.2500	FT	2065.50

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Line	Qty.	Description	Unit Price	UOM	Extended Price
		4" TYTON DIP			
85.0	2	12X4 MJXFE TEE C153 CL-TC IMP 422471 IMP L/ACC C153	452.2500	EA	904.50
86.0	4	12 TUFGRIP DI JNT REST &ACC F 114192 IMP W/ACC	151.7200	EA	606.88
87.0	8	4 TUFGRIP DI JNT REST &ACC F 114154 IMP W/ACC	47.1700	EA	377.36
88.0	4	4 DI MJ 90 100133 IMP L/ACC C153	77.1400	EA	308.56
		-----TEMP TEST CAP-----			
91.0	2	4 DI MJ TAPT CAP 248064 IMP L/ACC C153	60.2000	EA	120.40
92.0	4	2" GALV MI 90 ST ELL 1M90S0909G	15.0200	EA	60.08
93.0	2	2X48 GALV STEEL NIPPLE	62.0200	EA	124.04
94.0	2	0555125 2 LFFBV-4 TXT FP BALL VALVE Spec sheet: https://pimmedia.winsupplyinc.com/pim/SPEC/082017/WATTS-REGULATOR-DRAINAGE-CO_0555125_07700555125_SPEC.pdf	58.9500	EA	117.90
95.0	2	4 TUFGRIP DI JNT REST &ACC F 114154 IMP W/ACC	47.1700	EA	94.34
		-----12" SWING TIE IN ACP-----			
98.0	4	242-1430 12 LONG OPTIMUM CPLG 12.50 - 14.38	549.4400	EA	2197.76
99.0	6	12 DI MJ 45 099956 IMP L/ACC C153	321.3900	EA	1928.34
100.0	2	12 MJ 90 ELL 099970 IMP L/ACC C153	384.5800	EA	769.16
101.0	16	12 TUFGRIP DI JNT REST &ACC F 114192 IMP W/ACC	151.7200	EA	2427.52
102.0	8	391883 12 MJ ACCY PK L/GLD DOM BOLTS AND GASKETS ONLY IMP.	68.7500	EA	550.00
		-----TEMP TEST CAP-----			
105.0	3	12 DI MJ TAPT CAP 247999 IMP L/ACC C153	188.1600	EA	564.48
106.0	6	2" GALV MI 90 ST ELL 1M90S0909G	15.0200	EA	90.12
107.0	3	2X48 GALV STEEL NIPPLE	62.0200	EA	186.06
108.0	3	0555125 2 LFFBV-4 TXT FP BALL VALVE Spec sheet: https://pimmedia.winsupplyinc.com/pim/SPEC/082017/WATTS-REGULATOR-DRAINAGE-CO_0555125_07700555125_SPEC.pdf	58.9500	EA	176.85
109.0	3	12 TUFGRIP DI JNT REST &ACC F 114192 IMP W/ACC	151.7200	EA	455.16
		-----8" SWING TIE IN ACP-----			
112.0	5	242-0960 8 LONG OPTIMUM CPLG 8.40 - 9.75	351.8900	EA	1759.45

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Line	Qty.	Description	Unit Price	UOM	Extended Price
113.0	8	8 DI MJ 45 100270 IMP L/ACC C153	149.0200	EA	1192.16
114.0	2	8 DI MJ 90 100294 IMP L/ACC C153	182.3200	EA	364.64
115.0	20	8 TUFGRIP DI JNT REST &ACC F 114178 IMP W/ACC	79.3800	EA	1587.60
		-----TEMP TEST CAP-----			
118.0	6	8 DI MJ TAPT CAP 248156 IMP L/ACC C153	114.5400	EA	687.24
119.0	12	2" GALV MI 90 ST ELL 1M90S0909G	15.0200	EA	180.24
120.0	6	2X48 GALV STEEL NIPPLE	62.0200	EA	372.12
121.0	6	0555125 2 LFFBV-4 TXT FP BALL VALVE Spec sheet: https://pimmedia.winsupplyinc.com/pim/SPEC/082017/WATTS-REGULATOR-DRAINAGE-CO_0555125_07700555125_SPEC.pdf	58.9500	EA	353.70
122.0	6	8 TUFGRIP DI JNT REST &ACC F 114178 IMP W/ACC	79.3800	EA	476.28
		-----6" SWING TIE IN ACP-----			
125.0	5	242-0760 6 LONG OPTIMUM CPLG 6.28 - 7.60	276.2200	EA	1381.10
126.0	6	6 DI MJ 45 100195 IMP L/ACC C153	102.2700	EA	613.62
127.0	5	6 DI MJ 90 100218 IMP L/ACC C153	126.2200	EA	631.10
128.0	22	6 TUFGRIP DI JNT REST &ACC F 114161 IMP W/ACC	58.2500	EA	1281.50
		-----TEMP TEST CAP-----			
131.0	4	6 DI MJ TAPT CAP 248118 IMP L/ACC C153	82.4000	EA	329.60
132.0	8	2" GALV MI 90 ST ELL 1M90S0909G	15.0200	EA	120.16
133.0	4	2X48 GALV STEEL NIPPLE	62.0200	EA	248.08
134.0	4	0555125 2 LFFBV-4 TXT FP BALL VALVE Spec sheet: https://pimmedia.winsupplyinc.com/pim/SPEC/082017/WATTS-REGULATOR-DRAINAGE-CO_0555125_07700555125_SPEC.pdf	58.9500	EA	235.80
135.0	4	6 TUFGRIP DI JNT REST &ACC F 114161 IMP W/ACC	58.2500	EA	233.00
		-----4" SWING TIE IN ACP-----			
138.0	1	242-0550 4 LONG OPTIMUM CPLG 4.22 - 5.60	203.0000	EA	203.00
139.0	1	6X4 DI ALL MJ REDUCER 100836 IMP L/ACC C153	73.6300	EA	73.63
140.0	1	6 TUFGRIP DI JNT REST &ACC F 114161 IMP W/ACC	58.2500	EA	58.25
141.0	1	4 TUFGRIP DI JNT REST &ACC F 114154 IMP W/ACC	47.1700	EA	47.17

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Line	Qty.	Description	Unit Price	UOM	Extended Price
143.0	1	-----TEMP TEST CAP----- 4 DI MJ TAPT CAP 248064 IMP L/ACC C153	60.2000	EA	60.20
144.0	2	2" GALV MI 90 ST ELL 1M90S0909G	15.0200	EA	30.04
145.0	1	2X48 GALV STEEL NIPPLE	62.0200	EA	62.02
146.0	1	0555125 2 LFFBV-4 TXT FP BALL VALVE Spec sheet: https://pimmedia.winsupplyinc.com/pim/SPEC/082017/WATTS-REGULATOR-DRAINAGE-CO_0555125_07700555125_SPEC.pdf	58.9500	EA	58.95
149.0	2	-----HALF VERTICAL----- 12 MJ 22-1/2 C153 CL-TC IMP 099932 IMP L/ACC C153	281.0800	EA	562.16
150.0	14	12 DI MJ 45 099956 IMP L/ACC C153	321.3900	EA	4499.46
151.0	32	12 TUFGRIP DI JNT REST &ACC F 114192 IMP W/ACC	151.7200	EA	4855.04
153.0	10	8 DI MJ 45 100270 IMP L/ACC C153	149.0200	EA	1490.20
154.0	20	8 TUFGRIP DI JNT REST &ACC F 114178 IMP W/ACC	79.3800	EA	1587.60
156.0	4	6 DI MJ 45 100195 IMP L/ACC C153	102.2700	EA	409.08
157.0	8	6 TUFGRIP DI JNT REST &ACC F 114161 IMP W/ACC	58.2500	EA	466.00
160.0	18	-----FULL VERTICAL----- 12 DI MJ 45 099956 IMP L/ACC C153	321.3900	EA	5785.02
161.0	36	12 TUFGRIP DI JNT REST &ACC F 114192 IMP W/ACC	151.7200	EA	5461.92
163.0	16	8 DI MJ 45 100270 IMP L/ACC C153	149.0200	EA	2384.32
164.0	36	8 TUFGRIP DI JNT REST &ACC F 114178 IMP W/ACC	79.3800	EA	2857.68
166.0	16	6 DI MJ 45 100195 IMP L/ACC C153	102.2700	EA	1636.32
167.0	32	6 TUFGRIP DI JNT REST &ACC F 114161 IMP W/ACC	58.2500	EA	1864.00
170.0	30	-----12" VALVE----- 12 MJXFL GATE VALVE 4572 W/ S.S. STEM OPEN LEFT	2650.8700	EA	79526.10
171.0	11	7571 12 MJXMJ RS GATE VALVE OL KENNEDY W/ 2" OP NUT SS STEM	2778.1900	EA	30560.09
172.0	30	12 ZINK 150# FLANGE ACC KIT W/ 1/8" RR GASKET # FP12	49.3100	EA	1479.30

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173.0	52	12 TUFGRIP DI JNT REST &ACC F 114192 IMP W/ACC	151.7200	EA	7889.44
175.0	41	6855-16T TOP SECTION SLIP LL 112228 IOMP L/ACC	72.5000	EA	2972.50
176.0	41	6855-36B BOTTOM SECTION SLIP 112082 IMP L/ACC	92.5000	EA	3792.50
177.0	41	NON-POP POLYMER LID - WATER	55.0000	EA	2255.00
178.0	41	DC457 DEBRIS CAP BLUE - WATER	65.6300	EA	2690.83
179.0	2	8" VALVE STEM EXTENSION	356.2900	EA	712.58
180.0	2	SSC-300 DIRT POCKET CAP ACTUAL SMALL DIRT RING	100.5000	EA	201.00
181.0	6	6855-36B BOTTOM SECTION SLIP 112082 IMP L/ACC	92.5000	EA	555.00
183.0	6	6855-16T TOP SECTION SLIP LL 112228 IOMP L/ACC	72.5000	EA	435.00
184.0	6	6855-36B BOTTOM SECTION SLIP 112082 IMP L/ACC	92.5000	EA	555.00
185.0	6	NON-POP POLYMER LID - WATER	55.0000	EA	330.00
186.0	6	DC457 DEBRIS CAP BLUE - WATER	65.6300	EA	393.78
187.0	1	12 MJ CAP C153 TC IMP 121503 IMP L/ACC C153	157.2000	EA	157.20
188.0	1	12 TUFGRIP DI JNT REST &ACC F 114192 IMP W/ACC	151.7200	EA	151.72
191.0	10	-----THRUST BLOCK 12" PIPE----- 12 TUFGRIP DI JNT REST &ACC F 114192 IMP W/ACC	151.7200	EA	1517.20
194.0	8	-----THRUST BLOCK 8" PIPE----- 8 TUFGRIP DI JNT REST &ACC F 114178 IMP W/ACC	79.3800	EA	635.04
197.0	2	-----THRUST BLOCK 6" PIPE--- 6 TUFGRIP DI JNT REST &ACC F 114161 IMP W/ACC	58.2500	EA	116.50
200.0	7	-----8" VALVE----- 7572 8 MJXFL RS GATE VALVE OL KENNEDY W/ 2" OP NUT SS STEM	1381.4300	EA	9670.01
201.0	3	7571 8 MJXMJ RS GATE VALVE OL KENNEDY W/ 2" OP NUT SS STEM	1408.0700	EA	4224.21
202.0	7	8 ZINC 150# FLANGE ACC KIT W/ 1/8" RR GASKET # FP08	25.0200	EA	175.14
203.0	13	8 TUFGRIP DI JNT REST &ACC F 114178 IMP W/ACC	79.3800	EA	1031.94
204.0	10	6855-16T TOP SECTION SLIP LL 112228 IOMP L/ACC	72.5000	EA	725.00
205.0	10	6855-36B BOTTOM SECTION SLIP 112082 IMP L/ACC	92.5000	EA	925.00
206.0	10	NON-POP POLYMER LID - WATER	55.0000	EA	550.00

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207.0	10	DC457 DEBRIS CAP BLUE - WATER -----6" VALVE-----	65.6300	EA	656.30
210.0	7	7572 6 MJXFL RS GATE VALVE OL W/ 2" OP NUT S.S. STEM	884.0400	EA	6188.28
211.0	7	6 ZINC 150# FLANGE ACC KIT W/ 1/8" RR GASKET	19.8000	EA	138.60
212.0	7	6 TUFGRIP DI JNT REST &ACC F 114161 IMP W/ACC	58.2500	EA	407.75
213.0	7	6855-16T TOP SECTION SLIP LL 112228 IOMP L/ACC	72.5000	EA	507.50
214.0	7	6855-36B BOTTOM SECTION SLIP 112082 IMP L/ACC	92.5000	EA	647.50
215.0	7	NON-POP POLYMER LID - WATER	55.0000	EA	385.00
216.0	7	DC457 DEBRIS CAP BLUE - WATER -----4" VALVE-----	65.6300	EA	459.41
219.0	2	7572 4 MJXFL RS GATE VALVE OL W/ 2" OP NUT S.S. STEM	661.4300	EA	1322.86
220.0	2	4 ZINC 150# FLANGE ACC KIT W/ 1/8" RR GASKET # FP04	12.5000	EA	25.00
221.0	2	4 TUFGRIP DI JNT REST &ACC F 114154 IMP W/ACC	47.1700	EA	94.34
222.0	2	6855-16T TOP SECTION SLIP LL 112228 IOMP L/ACC	72.5000	EA	145.00
223.0	2	6855-36B BOTTOM SECTION SLIP 112082 IMP L/ACC	92.5000	EA	185.00
224.0	2	NON-POP POLYMER LID - WATER	55.0000	EA	110.00
225.0	2	DC457 DEBRIS CAP BLUE - WATER ---FIRE HYDRANT 6" DIP RUN---	65.6300	EA	131.26
228.0	1	6 DI MJ X FLG TEE 422518 IMP L/ACC C153	208.6200	EA	208.62
229.0	1	6 MJ TEE 101291 IMP L/ACC C153	181.1500	EA	181.15
230.0	3	6 DI FLANGED TEE 132837 IMP L/ACC C110	321.3900	EA	964.17
231.0	1	8X6 DI MJ TEE 101475 IMP L/ACC C153	224.3900	EA	224.39
232.0	1	8X6 DI MJ X FLG TEE 422556 IMP L/ACC C153	251.8600	EA	251.86
233.0	6	12X6 DI MJ X FLG TEE 422488 IMP L/ACC C153	482.0900	EA	2892.54
234.0	6	6 MJ X FLG ADAPT 422181 IMP L/ACC C153	101.1000	EA	606.60
235.0	1	6X24 DI MJ OFFSET C-153 F MJ X PE 107682 IMP L/ACC C153	404.5600	EA	404.56
236.0	3	6 DI MJ 90 100218 IMP L/ACC C153	126.2200	EA	378.66
237.0	1	6 DI MJXFE 90 ELL 422341 IMP L/ACC C153	154.6100	EA	154.61
238.0	12	12 TUFGRIP DI JNT REST &ACC F	151.7200	EA	1820.64

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239.0	4	114192 IMP W/ACC 8 TUFGRIP DI JNT REST &ACC F	79.3800	EA	317.52
240.0	49	114178 IMP W/ACC 6 TUFGRIP DI JNT REST &ACC F	58.2500	EA	2854.25
241.0	11	114161 IMP W/ACC 7572 6 MJXFL RS GATE VALVE OL	884.0400	EA	9724.44
242.0	2	W/ 2" OP NUT S.S. STEM 7571 6 MJXMJ RS GATE VALVE OL	884.0400	EA	1768.08
243.0	13	KENNEDY W/ 2" OP NUT SS STEM 6855-16T TOP SECTION SLIP LL	72.5000	EA	942.50
244.0	13	112228 IOMP L/ACC 6855-36B BOTTOM SECTION SLIP	92.5000	EA	1202.50
245.0	13	112082 IMP L/ACC NON-POP POLYMER LID - WATER	55.0000	EA	715.00
246.0	13	DC457 DEBRIS CAP BLUE - WATER	65.6300	EA	853.19
247.0	11	6 ZINC 150# FLANGE ACC KIT W/ 1/8" RR GASKET	19.8000	EA	217.80
250.0	216	6" TYTON DIP CL350 18' 18FT US PIPE	26.1500	FT	5648.40
251.0	13	K81D 3WAY 5-1/4 6MJ 4'6" BURY 1546345615102Y NST	2767.8300	EA	35981.79
252.0	13	HYDRANT OUT OF SERVICE SIGN 7" OD, 3-1/4" ID 05634 1A	46.5600	EA	605.28
255.0	3	-----2" METER SERVICE----- 3826 12X2 FPT DBL BALE SDL	273.4100	EA	820.23
256.0	3	74704B-22FT 2 CORP MIPX22 NL	371.3400	EA	1114.02
257.0	3	74602B-22 2 FLANGED ABV LW NL	436.0900	EA	1308.27
258.0	7	607 2 CXC 90 ELL	24.1500	EA	169.05
259.0	3	606 2 CXC 45 ELL	22.3200	EA	66.96
260.0	3	PHOENIX #4 CONCRETE METER BOX	89.3200	EA	267.96
261.0	3	CHANDLER #4 POLYMER LID	156.2500	EA	468.75
262.0	80	2 X 20 K HARD COPPER TUBE	20.3900	FT	1631.20
265.0	3	---2" PRIVATE SIDE SERVICE--- 431T08SPLF 2 METER FLG W/BLTS	45.6600	EA	136.98
266.0	3	(INCL: 1FLG 1GSKT 2BLT 1NUT) 604 2 CXMIP ADPT	26.5300	EA	79.59
267.0	5	607 2 CXC 90 ELL	24.1500	EA	120.75
268.0	45	2 X 20 K HARD COPPER TUBE	20.3900	FT	917.55
271.0	2	-----2" SERVICE TIE NO BOX----- 3826 12X2 FPT DBL BALE SDL	273.4100	EA	546.82
272.0	80	2 X 20 K HARD COPPER TUBE	20.3900	EA	1631.20
273.0	6	606 2 CXC 45 ELL	22.3200	EA	133.92
274.0	2	607 2 CXC 90 ELL	24.1500	EA	48.30
275.0	2	600 2 CPLG W/STOP	12.1200	EA	24.24
278.0	12	-----1-1/2" SERVICE----- 3826 12X1-1/2 FPT DBL BALE SDL	264.6000	EA	3175.20

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Line	Qty.	Description	Unit Price	UOM	Extended Price
279.0	12	74704B-22FT 1-1/2 BALL CORP NL ACTUAL 74704B-22 #5133173	182.9000	EA	2194.80
280.0	12	74602B-22 1-1/2 ANG BALL VL NL	387.5700	EA	4650.84
281.0	12	PHOENIX #4 CONCRETE METER BOX	89.3200	EA	1071.84
282.0	12	CHANDLER #4 POLYMER LID	156.2500	EA	1875.00
284.0	360	1-1/2 X 20 K HARD COPPER TUBE	13.4500	FT	4842.00
285.0	14	606 1-1/2 CXC 45 ELL	13.3300	EA	186.62
286.0	18	607 1-1/2 CXC 90 ELL	13.6100	EA	244.98
287.0	14	600 1-1/2 CPLG W/STOP	7.8100	EA	109.34
290.0	12	-----PRIVATE SIDE TIE IN----- 431T07SPLF 1-1/2 METER FLG (INCL: 1FLG 1GSKT 2BLT 2NUT)	43.8900	EA	526.68
291.0	12	604 1-1/2 CXMIP ADPT	15.9700	EA	191.64
292.0	18	607 1-1/2 CXC 90 ELL	13.6100	EA	244.98
293.0	120	1-1/2 X 20 K HARD COPPER TUBE 1-1/2" SERVICE TIE IN EXISTING	13.4500	FT	1614.00
295.0	1	3826 12X1-1/2 FPT DBL BALE SDL	264.6000	EA	264.60
296.0	1	74704B-22FT 1-1/2 BALL CORP NL ACTUAL 74704B-22 #5133173	182.9000	EA	182.90
297.0	1	74602B-22 1-1/2 ANG BALL VL NL	387.5700	EA	387.57
298.0	60	1-1/2 X 20 K HARD COPPER TUBE	13.4500	FT	807.00
299.0	3	607 1-1/2 CXC 90 ELL	13.6100	EA	40.83
300.0	1	606 1-1/2 CXC 45 ELL	13.3300	EA	13.33
301.0	1	600 1-1/2 CPLG W/STOP	7.8100	EA	7.81
304.0	5	-----1" SERVICE----- 3826 12X1 FPT DBL BALE SDL	252.7600	EA	1263.80
305.0	5	74704 1 CORP STOP MIPXFLR NL	77.0500	EA	385.25
306.0	5	74602B 1 ANGLE BALL VALVE NL FLARE X METER	182.5500	EA	912.75
307.0	100	1 X 100 K SOFT COPPER TUBE	9.3100	FT	931.00
308.0	60	1 X 60 K SOFT COPPER TUBE	9.3100	FT	558.60
309.0	5	PHOENIX #2 CONCRETE METER BOX	63.0700	EA	315.35
310.0	5	#2 POLYMER LID CHANDLER SPEC PC MAG TOUCHREAD	104.1900	EA	520.95
312.0	5	-----1" PRIVATE SIDE TIE IN----- WMC 1" WATER METER COUPLING	10.9500	EA	54.75
313.0	60	1 X 60 K SOFT COPPER TUBE	9.3100	FT	558.60
316.0	1	-----1" SERVICE TIE NO BOX--- 3826 12X1 FPT DBL BALE SDL	252.7600	EA	252.76
317.0	1	74704 1 CORP STOP MIPXFLR NL	77.0500	EA	77.05
318.0	1	74602B 1 ANGLE BALL VALVE NL FLARE X METER	182.5500	EA	182.55
319.0	1	WMC 1" WATER METER COUPLING	10.9500	EA	10.95
323.0	1	----- ---2" RBPB BACKFLOW W/ CAGE--- 2-975XL2 LF BF PREVENTER LEAD FREE	672.9500	EA	672.95

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Spec sheet: https://pimmedia.winsupplyinc.com/pim/SPEC/102019/_2-975XL2_0773975XL22_SPEC.pdf					
324.0	2	604 2 CXMIP ADPT	26.5300	EA	53.06
325.0	20	2 X 20 K HARD COPPER TUBE	20.3900	FT	407.80
326.0	2	607 2 CXC 90 ELL	24.1500	EA	48.30
327.0	2	607-2 2 FTGXC 90 ST ELL	35.5400	EA	71.08
328.0	1	733 2 CXC UNION	100.7100	EA	100.71
329.0	1	EC-3 10X24X40 BACKFLOW CAGE QE3 CAGE	404.9400	EA	404.94
Spec sheet: https://pimmedia.winsupplyinc.com/pim/SPEC/042022/_EC-3_4219EC3_SPEC.pdf					

332.0	3	--1-1/2" RBPB BACKFLOW W/ CAGE 112-975XL2 1-1/2 RPZ BFP LEAD FREE	625.8900	EA	1877.67
Spec sheet: https://pimmedia.winsupplyinc.com/pim/SPEC/102019/_112-975XL2_0773975XL2112_SPEC.pdf					
333.0	6	604 1-1/2 CXMIP ADPT	15.9700	EA	95.82
334.0	60	1-1/2 X 20 K HARD COPPER TUBE	13.4500	FT	807.00
335.0	6	607 1-1/2 CXC 90 ELL	13.6100	EA	81.66
336.0	6	607-2 1-1/2 FTGXC 90 ST ELL	16.7900	EA	100.74
337.0	3	733 1-1/2 CXC UNION	60.3200	EA	180.96
338.0	3	271 BACKFLOW ENCLOSURE QE-2 10" X 24" X 30"	350.6200	EA	1051.86

341.0	3	----1" RBPB BACKFLOW W/CAGE--- 1-975XL2 1 RPZ BFP LEAD FREE	337.6500	EA	1012.95
Spec sheet: https://pimmedia.winsupplyinc.com/pim/SPEC/102019/_1-975XL2_0773975XL21_SPEC.pdf					
342.0	14	604 1 CXMIP ADPT	10.0000	EA	140.00
343.0	60	1 X 20 K HARD COPPER TUBE	8.3000	FT	498.00
344.0	6	607 1 CXC 90 ELL	6.5100	EA	39.06
345.0	6	607-2 1 FTGXC 90 ST ELL	9.0700	EA	54.42
346.0	3	633W 1 CXC UNION	23.0500	EA	69.15
347.0	3	251 BACKFLOW ENCLOSURE QE-1 10" X 24" X 22"	316.0500	EA	948.15

350.0	2	-----6" RBPB COMPLETE----- 6-375AST 6 RED PRESSURE ASSY 6" 375ASTOSY	5574.1200	EA	11148.24
351.0	4	6"X6'-0" DI FLXFL SPOOL CEMENT LINED TAR COATED	775.3100	EA	3101.24
352.0	4	6"X4'-0" DI FLXFL SPOOL CEMENT LINED TAR COATED	629.3400	EA	2517.36
353.0	8	6 DI FLANGED 90 132028 IMP L/ACC C110	219.7200	EA	1757.76
354.0	4	6 MJ X FLG ADAPT 422181 IMP L/ACC C153	101.1000	EA	404.40
355.0	20	6 ZINC 150# FLANGE ACC KIT W/ 1/8" RR GASKET	19.8000	EA	396.00
356.0	4	6 TUFGRIP DI JNT REST &ACC F	58.2500	EA	233.00

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357.0	4	114161 IMP W/ACC ADJUSTABLE PIPE STAND 24"-48"	64.3800	EA	257.52
358.0	2	QE-8.0 GS-8 CLAMSHELL-2 PIECE ----- ---4" RBPB BACKFLOW COMPLETE--	1524.4000	EA	3048.80
361.0	1	4-375ASTOSY 4 RDC PRS BFP	2383.5300	EA	2383.53
362.0	2	4"X6'-0" DI FLXFL SPOOL CEMENT LINED TAR COATED	646.2700	EA	1292.54
363.0	2	4"X4'-0" DI FLXFL SPOOL CEMENT LINED TAR COATED	499.1600	EA	998.32
364.0	4	4 DI FLANGED 90 131922 IMP L/ACC C110	142.0300	EA	568.12
365.0	2	4 MJ X FLG ADAPT 371175 IMP L/ACC C153	73.6300	EA	147.26
366.0	10	4 ZINC 150# FLANGE ACC KIT W/ 1/8" RR GASKET # FP04	12.5000	EA	125.00
367.0	2	4 TUFGRIP DI JNT REST &ACC F 114154 IMP W/ACC	47.1700	EA	94.34
368.0	2	ADJUSTABLE PIPE STAND 24"-48" ----- -----ARV C319-----	64.3800	EA	128.76
371.0	2	3826 12X2 FPT DBL BALE SDL	273.4100	EA	546.82
372.0	2	73149B 2 B CORP MIPXFIP NL	309.6800	EA	619.36
373.0	3	604 2 CXMIP ADPT	26.5300	EA	79.59
374.0	6	607 2 CXC 90 ELL	24.1500	EA	144.90
375.0	2	76102Q 2 CTSXFPT BALL CURB	405.2500	EA	810.50
376.0	2	2X6 RED BRASS NIPPLE	32.3000	EA	64.60
377.0	2	2 LF BRASS 90 ELBOW IMP	32.8400	EA	65.68
378.0	2	2" D040 AIR RELEASE/VAC VALVE	531.2500	EA	1062.50
379.0	2	2" MPT SS BUG SCREEN 2MBGSS ZZ SCR M02	29.4000	EA	58.80
380.0	4	PHOENIX #4 CONCRETE METER BOX	89.3200	EA	357.28
381.0	2	CHANDLER #4 POLYMER LID	156.2500	EA	312.50
382.0	60	2 X 20 K HARD COPPER TUBE	20.3900	FT	1223.40
383.0	1	600 2 CPLG W/STOP ----- ---ADD FOR TIE IN MATERIALS---	12.1200	EA	12.12
386.0	9	860-54-0334-16 HM2 13.15-14.41 12 HYMAX 2 WIDE RANGE COUPLING	694.5200	EA	6250.68
387.0	9	860-54-0217-16 HM2 8.54-9.84 8" HYMAX 2 WIDE RANGE COUPLING	384.5200	EA	3460.68
388.0	5	860-54-0163-16 HM2 6.42-7.68 6" HYMAX 2 WIDE RANGE COUPLING	345.3100	EA	1726.55
389.0	18	12" CL350 DIP SJ	51.6100	FT	928.98
390.0	18	8" TYTON DIP CL350 18'	34.3100	FT	617.58
391.0	18	6" TYTON DIP CL350 18' 18FT US PIPE	26.1500	FT	470.70
392.0	23	2X12 GALV STEEL NIPPLE	17.0200	EA	391.46
393.0	23	2 GALV MI CAP	7.4200	EA	170.66
394.0	23	2" GALV MI 90 ST ELL	15.0200	EA	345.46



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395.0	23	1M90S0909G 0555125 2 LFFBV-4 TXT FP BALL VALVE Spec sheet: https://pimmedia.winsupplyinc.com/pim/SPEC/082017/WATTS-REGULATOR-DRAINAGE-CO_0555125_07700555125_SPEC.pdf	58.9500	EA	1355.85
		SUBTOTAL			1058282.68

<i>Tax Area Id</i>	<i>Net Sales</i>	<i>1,058,282.68</i>
<i>030130700</i>	<i>Freight</i>	<i>.00</i>
	<i>Tax</i>	<i>.00</i>
	<i>Quotation Total</i>	<i>1,058,282.68</i>

QUOTE



Due to the continued cost and supply challenges in the DUCTILE IRON PIPE, PVC and HDPE markets, the pricing of these products will be based solely on the availability at the time of shipment. Also, given the volatility in these markets we will not be responsible for product availability and shipment delays, as they are out of our control. Bid prices should be considered an estimate, materials will only be priced at time of shipment until the current supply chain challenges are resolved. These terms are in leu of our standard terms. We appreciate your partnership.

CUSTOMER NO	QUOTING BRANCH	QUOTE NO	QUOTE DATE	PAGE
221074	FORTILINE PEORIA	6322133	4/03/23	1

CUSTOMER	PROJECT INFORMATION
B&F CONTRACTING INC 11011 N. 23RD AVENUE PHOENIX, AZ 85029	DOBSON RD TO CHIPPEMENTS PLACE

LINE	QTY	UOM	DESCRIPTION	UNIT PRICE	TOTAL PRICE
			***** GIVEN THE CURRENT PRICING AND SUPPLY CHAIN CHALLENGES ALL MATERIAL WILL BE PRICED AT TIME OF SHIPMENT AND THE PRICES BELOW ARE TO BE USED AS AN ESTIMATE FOR BID PURPOSES ONLY ***** ***** ** FORTILINE WATERWORKS ** ** 8051 WEST OLIVE AVENUE ** ** PEORIA, AZ 85345 ** ***** PHONE (623) 412-2333 FAX (623) 979-4555 ATTENTION: CORINA NIMMO DATE: 04-04-2023 NUMBER OF PAGES: 20 QUOTATION BY: TODD CARRIGAN THIS TAKEOFF REPRESENTS THE TAKEOFF PROVIDED BY CORINA NIMMO. IT IS OFFERED UNDER FORTILINE WATERWORKS TERMS AND CONDITIONS, IF YOU NEED A COPY OF THOSE PLEASE CONTACT OUR OFFICE. SPECIAL ORDER MATERIAL MAY BE SUBJECT TO RESTOCKING CHARGES OR MAY NOT BE RETURNABLE. QUOTATION BASED ON PURCHASE OF TOTAL QUANTITY, ANY DEVIATION MAY RESULT IN PRICE CHANGES. I APPRECIATE THE OPPORTUNITY TO QUOTE YOU AND LOOK FORWARD TO WORKING WITH YOU ON THIS PROJECT. THANK YOU AND GOODLUCK!!!		

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CUSTOMER NO	JOB NAME	QUOTE NO	QUOTE DATE	PAGE
221074	DOBSON RD TO CHIPPEMENTS PLACE	6322133	4/03/23	2

LINE	QTY	UOM	DESCRIPTION	UNIT PRICE	TOTAL PRICE
			***** *** CHANDLER BLVD. *** *** DOBSON RD TO CHIPPEMENTS *** *** CHANDLER AZ. *** *****		
			12" DIP WATER		
490	6876	FT	12" RJ DIP TR FLEX PR350	71.4300	491,152.68
510	7	EA	18-20 WEEK LEAD TIME 3"X1000' WATER DETECTOR TAPE	48.2600	337.82
530	15	EA	AS OF 4-3 STOCK IN MESA 14GA TRACER WIRE BLUE 500'	89.0100	1,335.15
550	50	EA	1-2 WEEK LEAD TIME 2"X100' POLY TAPE	9.7800	489.00
570	7140	FT	AS OF 4-3 STOCK IN MESA 27"X340' POLYWRAP BLACK F/10-12" DIP 20' PERFORATIONS	.7700	5,497.80
590	50	EA	1-2 WEEK LEAD TIME 2"X100' POLY TAPE	9.7800	489.00
610	8	EA	AS OF 4-3 STOCK IN PEORIA 12" FLG TEE C110	1,087.3600	8,698.88
630	1	EA	2-3 WEEK LEAD TIME 12"X8" MJXFLG TEE C153	492.8300	492.83
650	1	EA	AS OF 4-3 STOCK IN MESA 12" MJ TEE C153	497.1400	497.14
670	2	EA	AS OF 4-3 STOCK IN MESA 12"X8" MJ TEE C153	387.9200	775.84
690	2	EA	2-3 WEEK LEAD TIME 12"X8" FLG TEE C110	904.4300	1,808.86
710	1	EA	AS OF 4-3 STOCK IN MESA 12"X6" MJXFLG TEE C153	443.8700	443.87
730	4	EA	AS OF 4-3 STOCK IN MESA 12" MJXFLG ADPT C153	310.4400	1,241.76
750	3	EA	AS OF 4-3 STOCK IN PEORIA 12" MJ 22-1/2 C153	258.7900	776.37
770	17	EA	AS OF 4-3 STOCK IN MESA 12" MJ 45 C153	295.9200	5,030.64
790	6	EA	AS OF 4-3 STOCK IN MESA 12" MJ LONG SLEEVE C153	272.7800	1,636.68
810	74	EA	AS OF 4-3 STOCK IN MESA 12" STAR GRIP MJ REST DIP 3000	102.5200	7,586.48
830	74	EA	AS OF 4-3 STOCK IN MESA 12" MJ REGULAR ACC LESS GLAND	36.6700	2,713.58
850	2	EA	AS OF 4-3 STOCK IN MESA 8" STAR GRIP MJ REST DIP 3000	47.4700	94.94
870	2	EA	AS OF 4-3 STOCK IN MESA 8" MJ REGULAR ACC LESS GLAND	26.6200	53.24

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CUSTOMER NO	JOB NAME	QUOTE NO	QUOTE DATE	PAGE
221074	DOBSON RD TO CHIPPEMENTS PLACE	6322133	4/03/23	3

LINE	QTY	UOM	DESCRIPTION	UNIT PRICE	TOTAL PRICE
890	4	EA	AS OF 4-3 STOCK IN MESA 12" FLG BOLT KIT HDG A307B W/FF 1/8" MAG SBR GASKET PIZZA BOX STYLE	68.2500	273.00
			AS OF 4-3 STOCK IN MESA 12" PC-350 TJ DIP		
940	1404	FT	12" TJ DIP PR350	51.6100	72,460.44
			18-20 WEEK LEAD TIME		
960	3	EA	3"X1000' WATER DETECTOR TAPE	48.2600	144.78
			AS OF 4-3 STOCK IN MESA		
980	4	EA	14GA TRACER WIRE BLUE 500'	89.0100	356.04
			1-2 WEEK LEADD TIME		
1000	20	EA	2"X100' POLY TAPE	9.7800	195.60
			AS OF 4-3 STOCK IN MESA		
1020	1360	FT	27"X340' POLYWRAP BLACK F/10-12" DIP 20' PERFORATIONS	.7700	1,047.20
			1-2 WEEK LEAD TIME		
1040	10	EA	2"X100' POLY TAPE	9.7800	97.80
			AS OF 4-3 STOCK IN MESA		
			8" DIP RJ		
1090	378	FT	8" RJ DIP TR FLEX PR350	45.9200	17,357.76
			AS OF 4-3 STOCK IN PEORIA		
1110	1	EA	14GA TRACER WIRE BLUE 500'	89.0100	89.01
			1-2 WEEK LEAD TIME		
1130	5	EA	3"X1000' WATER DETECTOR TAPE	48.2600	241.30
			AS OF 4-3 STOCK IN MESA		
1150	340	FT	20"X340' POLYWRAP BLACK F/6-8" DIP 20' PERFORATIONS	.5700	193.80
			AS OF 4-3 STOCK IN MESA		
1170	5	EA	2"X100' POLY TAPE	9.7800	48.90
			AS OF 4-3 STOCK IN MESA		
1190	1	EA	12"X8" MJ TEE C153	387.9200	387.92
			2-3 WEEK LEAD TIME		
1210	1	EA	12"X8" FLG TEE C110	904.4300	904.43
			2-3 WEEK LEAD TIME		
1230	3	EA	12"X8" MJXFLG TEE C153	492.8300	1,478.49
			AS OF 4-3 STOCK IN MESA		
1250	1	EA	8"X6" MJ TEE C153	206.6000	206.60
			AS OF 4-3 STOCK IN PEORIA		
1270	3	EA	8"X6" MJXFLG TEE C153	231.8900	695.67
			AS OF 4-3 STOCK IN MESA		
1290	1	EA	8"X6" MJ REDUCER C153	98.4600	98.46
			AS OF 4-3 STOCK IN MESA		
1310	1	EA	8" MJXFLG ADPT C153	139.8900	139.89
			AS OF 4-3 STOCK IN MESA		

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CUSTOMER NO	JOB NAME	QUOTE NO	QUOTE DATE	PAGE
221074	DOBSON RD TO CHIPPEMENTS PLACE	6322133	4/03/23	4

LINE	QTY	UOM	DESCRIPTION	UNIT PRICE	TOTAL PRICE
1330	1	EA	8" FLG BOLT KIT HDG A307B W/FF 1/8" MAG SBR GASKET PIZZA BOX STYLE	29.6400	29.64
1350	8	EA	AS OF 4-3 STOCK IN MESA 12" STAR GRIP MJ REST DIP 3000	102.5200	820.16
1370	8	EA	AS OF 4-3 STOCK IN MESA 12" MJ REGULAR ACC LESS GLAND	36.6700	293.36
1390	11	EA	AS OF 4-3 STOCK IN MESA 8" STAR GRIP MJ REST DIP 3000	47.4700	522.17
1410	11	EA	2-3 WEEK LEAD TIME 8" MJ REGULAR ACC LESS GLAND	26.6200	292.82
1430	3	EA	2-3 WEEK LEAD TIME 8"X2" MJ TAPT PLUG C153	119.9800	359.94
1450	1	EA	2-3 WEEK LEAD TIME 8" MJ LONG SLEEVE C153	169.4800	169.48
			AS OF 4-3 STOCK IN MESA 16" TIE-IN		
1500	4	EA	16"X8" FLG TEE C110	1,507.0200	6,028.08
1520	2	EA	2-3 WEEK LEAD TIME 16" MJ LONG SLEEVE C153	521.3500	1,042.70
1540	1	EA	2-3 WEEK LEAD TIME 16" MJXFLG ADPT C153	562.7800	562.78
1560	18	FT	2-3 WEEK LEAD TIME 16" TJ DIP PR250	74.0800	1,333.44
1580	1	EA	AS OF 4-3 STOCK IN MESA 16" MJXF GV O/L A2361-19 L/ACC	9,601.0000	9,601.00
1600	6	EA	8-10 WEEK LEAD TIME 16" STAR GRIP MJ REST DIP 3000	194.2100	1,165.26
1620	6	EA	2-3 WEEK LEAD TIME 16" MJ REGULAR ACC LESS GLAND	57.9700	347.82
1640	2	EA	2-3 WEEK LEAD TIME 16" FLG BOLT KIT HDG A307B W/FF 1/8" NEOPRENE GSKT PIZZA BOX STYLE	72.7400	145.48
1660	1	EA	AS OF 4-3 STOCK IN MESA BLACK POLY LID F/562A VLV BOX CHANDLER SPEC	51.9400	51.94
1680	1	EA	AS OF 4/3 STOCK IN MESA 562A SLIP VB TOP L/LID	75.4000	75.40
1700	1	EA	AS OF 4-3 STOCK IN MESA 562AB SLIP VLV BOX BOTTOM	62.7800	62.78
1720	1	EA	AS OF 4-3 STOCK IN MESA DC457 BLUE DEBRIS CAP	63.0500	63.05
			AS OF 4-3 STOCK IN MESA TEMP CAP FOR TESTING		

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CUSTOMER NO	JOB NAME	QUOTE NO	QUOTE DATE	PAGE
221074	DOBSON RD TO CHIPPEMENTS PLACE	6322133	4/03/23	5

LINE	QTY	UOM	DESCRIPTION	UNIT PRICE	TOTAL PRICE
1770	1	EA	8"X2" MJ TAPT CAP C153	105.4500	105.45
1790	2	EA	AS OF 4-3 STOCK IN MESA 2" GALV STREET 90	22.1200	44.24
1810	1	EA	AS OF 4-3 STOCK IN MESA 2"X6" GALV NIPPLE	11.5900	11.59
1830	1	EA	1-2 WEEK LEAD TIME 2" THD BRASS GV NO LEAD	53.4100	53.41
1850	1	EA	AS OF 4-3 STOCK IN PEORIA 8" STAR GRIP MJ REST DIP 3000	47.4700	47.47
1870	1	EA	AS OF 4-3 STOCK IN MESA 8" MJ REGULAR ACC LESS GLAND	26.6200	26.62
			AS OF 4-3 STOCK IN MESA 6" PC-350 DIP		
1920	234	FT	6" RJ DIP TR FLEX PR350	35.0300	8,197.02
1940	1	EA	AS OF 4-3 STOCK IN PEORIA 3"X1000' WATER DETECTOR TAPE	48.2600	48.26
1960	1	EA	AS OF 4-3 STOCK IN MESA 14GA TRACER WIRE BLUE 500'	89.0100	89.01
1980	340	FT	1-2 WEEK LEAD TIME 20"X340' POLYWRAP BLACK F/6-8" DIP 20' PERFORATIONS	.5700	193.80
2000	6	EA	AS OF 4-3 STOCK IN MESA 2"X100' POLY TAPE	9.7800	58.68
2020	4	EA	AS OF 4-3 STOCK IN MESA 12"X6" MJXFLG TEE C153	443.8700	1,775.48
2040	6	EA	AS OF 4-3 STOCK IN MESA 6" MJ 90 C153	116.2100	697.26
2060	3	EA	1-2 WEEK LEAD TIME 6"X2" MJ TAPT CAP C153	75.8600	227.58
2080	9	EA	AS OF 4-3 STOCK IN PEORIA 12" STAR GRIP MJ REST DIP 3000	102.5200	922.68
2100	9	EA	2-3 WEEK LEAD TIME 12" MJ REGULAR ACC LESS GLAND	36.6700	330.03
2120	15	EA	2-3 WEEK LEAD TIME 6" STAR GRIP MJ REST DIP 3000	31.5900	473.85
2140	15	EA	AS OF 4-3 STOCK IN MESA 6" MJ REGULAR ACC LESS GLAND	23.6600	354.90
			AS OF 4-3 STOCK IN MESA 4" PIPE		
2190	54	FT	4" TJ DIP PR350	37.4100	2,020.14
2220	2	EA	20-22 WEEK LEAD TIME SEE ABOVE FOR TAPE, WIRE, PLOY 12"X4" MJXFLG TEE C153	420.7400	841.48
			2-3 WEEK LEAD TIME		

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CUSTOMER NO	JOB NAME	QUOTE NO	QUOTE DATE	PAGE
221074	DOBSON RD TO CHIPPEMENTS PLACE	6322133	4/03/23	6

LINE	QTY	UOM	DESCRIPTION	UNIT PRICE	TOTAL PRICE
2240	4	EA	12" STAR GRIP MJ REST DIP 3000	102.5200	410.08
2260	4	EA	2-3 WEEK LEAD TIME 12" MJ REGULAR ACC LESS GLAND	36.6700	146.68
2280	8	EA	2-3 WEEK LEAD TIME 4" STAR GRIP MJ REST DIP 3000	26.8600	214.88
2300	8	EA	AS OF 4-3 STOCK IN MESA 4" MJ REGULAR ACC LESS GLAND	20.7000	165.60
2320	4	EA	AS OF 4-3 STOCK IN MESA 4" MJ 90 C153	71.0200	284.08
2340	2	EA	AS OF 4-3 STOCK IN MESA 4" FLG BOLT KIT HDG A307B W/FF 1/8" MAG SBR GASKET PIZZA BOX STYLE	17.0300	34.06
2390	2	EA	AS OF 4-3 STOCK IN MESA TEMP CAP FOR TESTING 4"X2" MJ TAPT CAP C153	55.4200	110.84
2410	4	EA	2-3 WEEK LEAD TIME 2" GALV STREET 90	22.1200	88.48
2430	2	EA	AS OF 4-3 STOCK IN MESA 2"X6" GALV NIPPLE	11.5900	23.18
2450	2	EA	1-2 WEEK LEAD TIME 2" THD BRASS GV NO LEAD	53.4100	106.82
2470	2	EA	AS OF 4-3 STOCK IN PEORIA 4" STAR GRIP MJ REST DIP 3000	26.8600	53.72
2490	2	EA	AS OF 4-3 STOCK IN MESA 4" MJ REGULAR ACC LESS GLAND	20.7000	41.40
2540	4	EA	AS OF 4-3 STOCK IN MESA 12" SWING TIE-IN AT ACP 12" QUANTUM CPLG 12.75-14.40 461-12751440-000 SMB	392.1100	1,568.44
2560	6	EA	2-3 WEEK LEAD TIME 12" MJ 45 C153	295.9200	1,775.52
2580	2	EA	AS OF 4-3 STOCK IN MESA 12" MJ 90 C153	357.7900	715.58
2600	16	EA	AS OF 4-3 STOCK IN MESA 12" STAR GRIP MJ REST DIP 3000	102.5200	1,640.32
2620	16	EA	2-3 WEEK LEAD TIME 12" MJ REGULAR ACC LESS GLAND	36.6700	586.72
2670	3	EA	2-3 WEEK LEAD TIME TEMP CAP FOR TESTING 12"X2" MJ TAPT CAP C153	173.2500	519.75
2690	6	EA	AS OF 4-3 STOCK IN MESA 2" GALV STREET 90	22.1200	132.72

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CUSTOMER NO	JOB NAME	QUOTE NO	QUOTE DATE	PAGE
221074	DOBSON RD TO CHIPPEMENTS PLACE	6322133	4/03/23	7

LINE	QTY	UOM	DESCRIPTION	UNIT PRICE	TOTAL PRICE
2710	3	EA	1-2 WEEK LEAD TIME 2"X6" GALV NIPPLE	11.5900	34.77
2730	2	EA	1-2 WEEK LEAD TIME 2" THD BRASS GV NO LEAD	53.4100	106.82
2750	3	EA	AS OF 4-3 STOCK IN MESA 12" STAR GRIP MJ REST DIP 3000	102.5200	307.56
2770	3	EA	2-3 WEEK LEAD TIME 12" MJ REGULAR ACC LESS GLAND	36.6700	110.01
2820	5	EA	2-3 WEEK LEAD TIME 8" SWING TIE-IN AT ACP 8" QUANTUM CPLG 8.54-9.85 461-08540985-000 SMB	224.8100	1,124.05
2840	8	EA	2-3 WEEK LEAD TIME 8" MJ 45 C153	137.2000	1,097.60
2860	2	EA	AS OF 4-3 STOCK IN MESA 8" MJ 90 C153	167.8600	335.72
2880	20	EA	AS OF 4-3 STOCK IN MESA 8" STAR GRIP MJ REST DIP 3000	47.4700	949.40
2900	20	EA	2-3 WEEK LEAD TIME 8" MJ REGULAR ACC LESS GLAND	26.6200	532.40
2950	6	EA	2-3 WEEK LEAD TIME TEMP CAP FOR TESTING 8"X2" MJ TAPT CAP C153	105.4500	632.70
2970	12	EA	2-3 WEEK LEAD TIME 2" GALV STREET 90	22.1200	265.44
2990	6	EA	1-2 WEEK LEAD TIME 2"X6" GALV NIPPLE	11.5900	69.54
3010	6	EA	1-2 WEEK LEAD TIME 2" THD BRASS GV NO LEAD	53.4100	320.46
3030	6	EA	AS OF 4-3 STOCK IN MESA 8" STAR GRIP MJ REST DIP 3000	47.4700	284.82
3050	6	EA	2-3 WEEK LEAD TIME 8" MJ REGULAR ACC LESS GLAND	26.6200	159.72
3100	5	EA	2-3 WEEK LEAD TIME 6" SWING TIE-IN AT ACP 6" QUANTUM CPLG 6.54-7.65 461-06540765-000 SMB	226.0000	1,130.00
3120	6	EA	2-3 WEEK LEAD TIME 6" MJ 45 C153	94.1500	564.90
3140	5	EA	AS OF 4-3 STOCK IN MESA 6" MJ 90 C153	116.2100	581.05
3160	22	EA	1-2 WEEK LEAD TIME 6" STAR GRIP MJ REST DIP 3000	31.5900	694.98

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221074	DOBSON RD TO CHIPPEMENTS PLACE	6322133	4/03/23	8

LINE	QTY	UOM	DESCRIPTION	UNIT PRICE	TOTAL PRICE
3180	22	EA	2-3 WEEK LEAD TIME 6" MJ REGULAR ACC LESS GLAND	23.6600	520.52
			2-3 WEEK LEAD TIME TEMP CAP FOR TESTING		
3230	4	EA	6"X2" MJ TAPT CAP C153	75.8600	303.44
3250	11	EA	AS OF 4-3 STOCK IN PEORIA 2" GALV STREET 90	22.1200	243.32
3270	4	EA	1-2 WEEK LEAD TIME 2"X6" GALV NIPPLE	11.5900	46.36
3290	4	EA	1-2 WEEK LEAD TIME 2" THD BRASS GV NO LEAD	53.4100	213.64
3310	4	EA	6-8 WEEK LEAD TIME 6" STAR GRIP MJ REST DIP 3000	31.5900	126.36
3330	4	EA	2-3 WEEK LEAD TIME 6" MJ REGULAR ACC LESS GLAND	23.6600	94.64
			2-3 WEEK LEAD TIME 4" SWING TIE-IN AT ACP		
3380	1	EA	4" QUANTUM CPLG 4.46-5.60 461-04460560-000 SMB	160.2700	160.27
3400	1	EA	AS OF 4-3 STOCK IN PEORIA 6"X4" MJ REDUCER C153	67.7900	67.79
3420	1	EA	AS OF 4-3 STOCK IN MESA 6" STAR GRIP MJ REST DIP 3000	31.5900	31.59
3440	1	EA	2-3 WEEK LEAD TIME 6" MJ REGULAR ACC LESS GLAND	23.6600	23.66
3460	1	EA	2-3 WEEK LEAD TIME 4" STAR GRIP MJ REST DIP 3000	26.8600	26.86
3480	1	EA	AS OF 4-3 STOCK IN MESA 4" MJ REGULAR ACC LESS GLAND	20.7000	20.70
			AS OF 4-3 STOCK IN MESA TEMP CAP FOR TESTING		
3530	1	EA	4"X2" MJ TAPT CAP C153	55.4200	55.42
3550	2	EA	2-3 WEEK LEAD TIME 2" GALV STREET 90	22.1200	44.24
3570	1	EA	1-2 WEEK LEAD TIME 2"X6" GALV NIPPLE	11.5900	11.59
3590	1	EA	1-2 WEEK LEAD TIME 2" THD BRASS GV NO LEAD	53.4100	53.41
3610	1	EA	6-8 WEEK LEAD TIME 4" STAR GRIP MJ REST DIP 3000	26.8600	26.86
3630	1	EA	AS OF 4-3 STOCK IN MESA 4" MJ REGULAR ACC LESS GLAND	20.7000	20.70
			AS OF 4-3 STOCK IN MESA		

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221074	DOBSON RD TO CHIPPEMENTS PLACE	6322133	4/03/23	9

LINE	QTY	UOM	DESCRIPTION	UNIT PRICE	TOTAL PRICE
			HALF VERT. REALIGNMENT UP OR DOWN 12" VERT REALIGNMENT		
3700	2	EA	12" MJ 22-1/2 C153	258.7900	517.58
3720	14	EA	AS OF 4-3 STOCK IN PEORIA 12" MJ 45 C153	295.9200	4,142.88
3740	32	EA	AS OF 4-3 STOCK IN MESA 12" STAR GRIP MJ REST DIP 3000	102.5200	3,280.64
3760	32	EA	2-3 WEEK LEAD TIME 12" MJ REGULAR ACC LESS GLAND	36.6700	1,173.44
			2-3 WEEK LEAD TIME		
			8" VERT REALIGNMENT		
3810	10	EA	8" MJ 45 C153	137.2000	1,372.00
3830	20	EA	AS OF 4-3 STOCK IN MESA 8" STAR GRIP MJ REST DIP 3000	47.4700	949.40
3850	20	EA	2-3 WEEK LEAD TIME 8" MJ REGULAR ACC LESS GLAND	26.6200	532.40
			2-3 WEEK LEAD TIME		
			6" VERT REALIGNMENT		
3900	4	EA	6" MJ 45 C153	94.1500	376.60
3920	8	EA	6" VERT REALIGNMENT 6" STAR GRIP MJ REST DIP 3000	31.5900	252.72
3940	8	EA	2-3 WEEK LEAD TIME 6" MJ REGULAR ACC LESS GLAND	23.6600	189.28
			2-3 WEEK LEAD TIME		
			FULL VERT. REALIGNMENT UP AND DOWN 12" VERT REALIGNMENT		
4010	18	EA	12" MJ 45 C153	295.9200	5,326.56
4030	36	EA	AS OF 4-3 STOCK IN MESA 12" STAR GRIP MJ REST DIP 3000	102.5200	3,690.72
4050	36	EA	2-3 WEEK LEAD TIME 12" MJ REGULAR ACC LESS GLAND	36.6700	1,320.12
			2-3 WEEK LEAD TIME		
			8" VERT REALIGNMENT		
4100	16	EA	8" MJ 45 C153	137.2000	2,195.20
4120	32	EA	AS OF 4-3 STOCK IN MESA 8" STAR GRIP MJ REST DIP 3000	47.4700	1,519.04
4140	32	EA	2-3 WEEK LEAD TIME 8" MJ REGULAR ACC LESS GLAND	26.6200	851.84
			2-3 WEEK LEAD TIME		

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CUSTOMER NO	JOB NAME	QUOTE NO	QUOTE DATE	PAGE
221074	DOBSON RD TO CHIPPEMENTS PLACE	6322133	4/03/23	10

LINE	QTY	UOM	DESCRIPTION	UNIT PRICE	TOTAL PRICE
			6" VERT REALIGNMENT		
4190	16	EA	6" MJ 45 C153	94.1500	1,506.40
4210	32	EA	AS OF 4-3 STOCK IN MESA 6" STAR GRIP MJ REST DIP 3000	31.5900	1,010.88
4230	32	EA	2-3 WEEK LEAD TIME 6" MJ REGULAR ACC LESS GLAND	23.6600	757.12
			2-3 WEEK LEAD TIME		
			12" VALVE		
4280	30	EA	12 MJXF GV O/L A2361-19SS/EPDM EVERDUR STEM	2,732.9100	81,987.30
4300	11	EA	12-16 WEEK LEAD TIME 12 MJ GV O/L A2361-23 SS/EPDM EVERDUR STEM	2,864.2900	31,507.19
4320	30	EA	12-16 WEEK LEAD TIME 12" FLG BOLT KIT HDG A307B W/FF 1/8" MAG SBR GASKET PIZZA BOX STYLE	68.2500	2,047.50
4340	52	EA	2-3 WEEK LEAD TIME 12" STAR GRIP MJ REST DIP 3000	102.5200	5,331.04
4360	52	EA	2-3 WEEK LEAD TIME 12" MJ REGULAR ACC LESS GLAND	36.6700	1,906.84
4380	41	EA	2-3 WEEK LEAD TIME BLACK POLY LID F/562A VLV BOX CHANDLER SPEC	51.9400	2,129.54
4400	41	EA	4-6 WEEK LEAD TIME 562A SLIP VB TOP L/LID	75.4000	3,091.40
4420	41	EA	AS OF 4-3 STOCK IN MESA 562AB SLIP VLV BOX BOTTOM	62.7800	2,573.98
4440	41	EA	AS OF 4-3 STOCK IN MESA DC457 BLUE DEBRIS CAP	63.0500	2,585.05
			AS OF 4-3 STOCK IN MESA		
			12" PERMASEAL INSURTION VALVE		
4490	6	EA	12" INSERTION VALVE PLUS INSTALLATION	32,972.9400	197,837.64
			12-14 WEEK LEAD TIME		
4530	6	EA	BLACK POLY LID F/562A VLV BOX CHANDLER SPEC	51.9400	311.64
4550	6	EA	4-6 WEEK LEAD TIME 562A SLIP VB TOP L/LID	75.4000	452.40
4570	6	EA	AS OF 4-3 STOCK IN MESA 562AB SLIP VLV BOX BOTTOM	62.7800	376.68
4590	6	EA	AS OF 4-3 STOCK IN MESA DC457 BLUE DEBRIS CAP	63.0500	378.30
4610	1	EA	AS OF 4-3 STOCK IN MESA 12" MJ CAP C153	144.7300	144.73

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CUSTOMER NO	JOB NAME	QUOTE NO	QUOTE DATE	PAGE
221074	DOBSON RD TO CHIPPEMENTS PLACE	6322133	4/03/23	11

LINE	QTY	UOM	DESCRIPTION	UNIT PRICE	TOTAL PRICE
4630	1	EA	AS OF 4-3 STOCK IN PEORIA 12" STAR GRIP MJ REST DIP 3000	102.5200	102.52
4650	1	EA	2-3 WEEK LEAD TIME 12" MJ REGULAR ACC LESS GLAND	36.6700	36.67
			2-3 WEEK LEAD TIME THRUST BLOCK 12"		
4700	10	EA	12" STAR GRIP MJ REST DIP 3000	102.5200	1,025.20
4720	10	EA	2-3 WEEK LEAD TIME 12" MJ REGULAR ACC LESS GLAND	36.6700	366.70
			2-3 WEEK LEAD TIME THRUST BLOCK 8" PIPE		
4770	8	EA	8" STAR GRIP MJ REST DIP 3000	47.4700	379.76
4790	8	EA	2-3 WEEK LEAD TIME 8" MJ REGULAR ACC LESS GLAND	26.6200	212.96
			2-3 WEEK LEAD TIME THRUST BLOCK 6" PIPE		
4840	2	EA	6" STAR GRIP MJ REST DIP 3000	31.5900	63.18
4860	2	EA	2-3 WEEK LEAD TIME 6" MJ REGULAR ACC LESS GLAND	23.6600	47.32
			2-3 WEEK LEAD TIME 8" VALVE		
4910	7	EA	8 MJXF GV O/L A2361-19 SS/EPDM EVERDUR STEM	1,424.4100	9,970.87
4930	3	EA	AS OF 4-3 STOCK IN MESA 8 MJ GV O/L A2361-23 SS/EPDM EVERDUR STEM	1,451.7800	4,355.34
4950	7	EA	AS OF 4-3 STOCK IN MESA 8" FLG BOLT KIT HDG A307B W/FF 1/8" MAG SBR GASKET PIZZA BOX STYLE	29.6400	207.48
4970	13	EA	AS OF 4-3 STOCK IN MESA 8" STAR GRIP MJ REST DIP 3000	47.4700	617.11
4990	13	EA	2-3 WEEK LEAD TIME 8" MJ REGULAR ACC LESS GLAND	26.6200	346.06
5010	10	EA	2-3 WEEK LEAD TIME BLACK POLY LID F/562A VLV BOX CHANDLER SPEC	51.9400	519.40
5030	10	EA	4-6 WEEK LEAD TIME 562A SLIP VB TOP L/LID	75.4000	754.00
5050	10	EA	AS OF 4-3 STOCK IN MESA 562AB SLIP VLV BOX BOTTOM	62.7800	627.80
5070	10	EA	AS OF 4-3 STOCK IN MESA DC457 BLUE DEBRIS CAP	63.0500	630.50
			AS OF 4-3 STOCK IN MESA 6" VALVE		

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221074	DOBSON RD TO CHIPPEMENTS PLACE	6322133	4/03/23	12

LINE	QTY	UOM	DESCRIPTION	UNIT PRICE	TOTAL PRICE
5120	7	EA	6 MJXF GV 0/L A2361-19 SS/EPDM EVERDUR STEM	911.5300	6,380.71
5140	7	EA	AS OF 4-3 STOCK IN MESA 6" FLG BOLT KIT HDG A307B W/FF 1/8" MAG SBR GASKET PIZZA BOX STYLE	25.4800	178.36
5160	7	EA	AS OF 4-3 STOCK IN MESA 6" STAR GRIP MJ REST DIP 3000	31.5900	221.13
5180	7	EA	2-3 WEEK LEAD TIME 6" MJ REGULAR ACC LESS GLAND	23.6600	165.62
5200	7	EA	2-3 WEEK LEAD TIME BLACK POLY LID F/562A VLV BOX CHANDLER SPEC	51.9400	363.58
5220	7	EA	4-6 WEEK LEAD TIME 562A SLIP VB TOP L/LID	75.4000	527.80
5240	7	EA	AS OF 4-3 STOCK IN MESA 562AB SLIP VLV BOX BOTTOM	62.7800	439.46
5260	7	EA	AS OF 4-3 STOCK IN MESA DC457 BLUE DEBRIS CAP	63.0500	441.35
			AS OF 4-3 STOCK IN MESA 4" VALVE		
5310	2	EA	4 MJXF GV 0/L A2361-19 SS/EPDM EVERDUR STEM	681.8700	1,363.74
5330	2	EA	AS OF 4-3 STOCK IN MESA 4" FLG BOLT KIT HDG A307B W/FF 1/8" MAG SBR GASKET PIZZA BOX STYLE	17.0300	34.06
5350	2	EA	AS OF 4-3 STOCK IN MESA 4" STAR GRIP MJ REST DIP 3000	26.8600	53.72
5370	2	EA	AS OF 4-3 STOCK IN MESA 4" MJ REGULAR ACC LESS GLAND	20.7000	41.40
5390	2	EA	AS OF 4-3 STOCK IN MESA BLACK POLY LID F/562A VLV BOX CHANDLER SPEC	51.9400	103.88
5410	2	EA	4-6 WEEK LEAD TIME 562A SLIP VB TOP L/LID	75.4000	150.80
5430	2	EA	AS OF 4-3 STOCK IN MESA 562AB SLIP VLV BOX BOTTOM	62.7800	125.56
5450	2	EA	AS OF 4-3 STOCK IN MESA DC457 BLUE DEBRIS CAP	63.0500	126.10
			AS OF 4-3 STOCK IN MESA FIRE HYDRANT WITH 6" DIP RUN		
5500	1	EA	6" MJXFLG TEE C153	192.0800	192.08
5520	1	EA	2-3 WEEK LEAD TIME 6" MJ TEE C153	166.7900	166.79
5540	3	EA	AS OF 4-3 STOCK IN MESA 6" FLG TEE C110	295.9200	887.76
5560	1	EA	2-3 WEEK LEAD TIME 8"X6" MJ TEE C153	206.6000	206.60

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221074	DOBSON RD TO CHIPPEMENTS PLACE	6322133	4/03/23	13

LINE	QTY	UOM	DESCRIPTION	UNIT PRICE	TOTAL PRICE
5580	1	EA	AS OF 4-3 STOCK IN MESA 8"X6" MJXFLG TEE C153	231.8900	231.89
5600	6	EA	AS OF 4-3 STOCK IN MESA 12"X6" MJXFLG TEE C153	443.8700	2,663.22
5620	6	EA	AS OF 4-3 STOCK IN MESA 6" MJXFLG ADPT C153	93.0800	558.48
5640	1	EA	AS OF 4-3 STOCK IN MESA 6"X24" GRADELOK MJXSWIVEL	486.2400	486.24
5660	3	EA	4-6 WEEK LEAD TIME 6" MJ 90 C153	116.2100	348.63
5680	1	EA	1-2 WEEK LEAD TIME 6" MJXFLG 90 C153	142.5800	142.58
5700	12	EA	AS OF 4-3 STOCK IN MESA 12" STAR GRIP MJ REST DIP 3000	102.5200	1,230.24
5720	12	EA	2-3 WEEK LEAD TIME 12" MJ REGULAR ACC LESS GLAND	36.6700	440.04
5740	4	EA	2-3 WEEK LEAD TIME 8" STAR GRIP MJ REST DIP 3000	47.4700	189.88
5760	4	EA	2-3 WEEK LEAD TIME 8" MJ REGULAR ACC LESS GLAND	26.6200	106.48
5780	49	EA	2-3 WEEK LEAD TIME 6" STAR GRIP MJ REST DIP 3000	31.5900	1,547.91
5800	49	EA	2-3 WEEK LEAD TIME 6" MJ REGULAR ACC LESS GLAND	23.6600	1,159.34
5820	11	EA	2-3 WEEK LEAD TIME 6 MJXF GV O/L A2361-19 SS/EPDM EVERDUR STEM	911.5300	10,026.83
5840	2	EA	AS OF 4-3 STOCK IN MESA 6 MJ GV O/L A2361-23 SS/EPDM EVERDUR STEM	911.5300	1,823.06
5860	13	EA	AS OF 4-3 STOCK IN MESA BLACK POLY LID F/562A VLV BOX CHANDLER SPEC	51.9400	675.22
5880	13	EA	4-6 WEEK LEAD TIME 562A SLIP VB TOP L/LID	75.4000	980.20
5900	13	EA	AS OF 4-3 STOCK IN MESA 562AB SLIP VLV BOX BOTTOM	62.7800	816.14
5920	13	EA	AS OF 4-3 STOCK IN MESA DC457 BLUE DEBRIS CAP	63.0500	819.65
5940	11	EA	AS OF 4-3 STOCK IN MESA 6" FLG BOLT KIT HDG A307B W/FF 1/8" MAG SBR GASKET PIZZA BOX STYLE	25.4800	280.28
5960	216	FT	AS OF 4-3 STOCK IN MESA 6" TJ DIP PR350	25.5800	5,525.28
5980	1	EA	AS OF 4-3 STOCK IN MESA 6" STAR GRIP BELL REST DIP 3100P	79.5800	79.58
6000	13	EA	AS OF 4-3 STOCK IN MESA 5-1/4V0 HYD 4'6" 6MJ O/L A423	2,844.5200	36,978.76

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221074	DOBSON RD TO CHIPPEMENTS PLACE	6322133	4/03/23	14

LINE	QTY	UOM	DESCRIPTION	UNIT PRICE	TOTAL PRICE
6040	13	EA	W/SS N&B, LOW ZINC STEM, L/ACC YELLOW 423-540444 AS OF 4-3 STOCK IN MESA CUSTOMER TO VERIFY HYDRANT DEPTH PRIOR TO PURCHASE 4-1/2" HYD RING OUT OF SERVICE AS OF 4-3 STOCK IN PEORIA 2" SERVICE	11.9200	154.96
6090	3	EA	12X2 IP SDL BRZ AC/DIP DOUBLE STRAP 13.14-14.48	347.2400	1,041.72
6110	3	EA	16-18 WEEK LEAD TIME 2" BALL CORP MIPXPJC NL	375.6100	1,126.83
6130	3	EA	AS OF 4-3 STOCK IN MESA 2" BALL ANG VLV PJCXMT R FLG NL	495.2300	1,485.69
6150	3	EA	38 WEEK LEAD TIME #4 CONC MB 22-3/4X33-1/2X12	101.9200	305.76
6170	3	EA	AS OF 4-3 STOCK IN PEORIA #4 POLY LID W/READ HOLE F/CONC MAG METER BOX CHANDLER SPEC	133.1300	399.39
6190	80	FT	AS OF 4-3 STOCK IN PEORIA 2X20' TYPE K HARD COPPER TUBE	20.5400	1,643.20
6210	3	EA	14-16 WEEK LEAD TIME 2" COPPER SWEAT 45	32.6800	98.04
6230	7	EA	AS OF 4-3 STOCK IN MESA 2" COPPER SWEAT 90 AS OF 4-3 STOCK IN PEORIA PRIVATE SIDE TIE-IN	22.2600	155.82
6280	3	EA	2" MTR GASKET DROP IN	.9600	2.88
6300	3	EA	AS OF 4-3 STOCK IN MESA 2" BRASS MTR FLG NL	94.7000	284.10
6320	3	EA	AS OF 4-3 STOCK IN PEORIA 2" BRASS METER BOLT & NUT SET	67.7300	203.19
6340	3	EA	AS OF 4-3 STOCK IN PEORIA 2" COPPER SWEAT MALE ADPT	38.8800	116.64
6360	5	EA	1-2 WEEK LEAD TIME 2" COPPER SWEAT 90	22.2600	111.30
6380	45	FT	1-2 WEEK LEAD TIME 2X20' TYPE K HARD COPPER TUBE 14-16 WEEK LEAD TIME 2" WATER SERVICE TIE-IN NO METER BOX	20.5400	924.30
6440	2	EA	12X2 IP SDL BRZ AC/DIP DOUBLE STRAP 13.14-14.48	347.2400	694.48
6460	80	FT	16-18 WEEK LEAD TIME 2X20' TYPE K HARD COPPER TUBE	20.5400	1,643.20

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221074	DOBSON RD TO CHIPPEMENTS PLACE	6322133	4/03/23	15

LINE	QTY	UOM	DESCRIPTION	UNIT PRICE	TOTAL PRICE
6480	6	EA	14-16 WEEK LEAD TIME 2" COPPER SWEAT 45	32.6800	196.08
6500	2	EA	1-2 WEEK LEAD TIME 2" COPPER SWEAT 90	22.2600	44.52
6520	2	EA	1-2 WEEK LEAD TIME 2" COPPER SWEAT CPLG	17.7100	35.42
			AS OF 4-3 STOCK IN PEORIA 1-1/2" SERVICE		
6570	12	EA	12X1-1/2 IP SDL BRZ AC/DIP DOUBLE STRAP 13.14-14.48	341.0400	4,092.48
6590	12	EA	16-18 WEEK LEAD TIME 1-1/2" BALL CORP MIPXPJC NL	227.1300	2,725.56
6610	12	EA	38 WEEK LEAD TIME 1-1/2 BALL ANG VLV PCJXMTR FLG NO LEAD	388.5400	4,662.48
6630	12	EA	38 WEEK LEAD TIME #4 CONC MB 22-3/4X33-1/2X12	101.9200	1,223.04
6650	12	EA	AS OF 4-3 STOCK IN MESA #4 POLY LID W/READ HOLE F/CONC MAG METER BOX CHANDLER SPEC	133.1300	1,597.56
6670	360	FT	AS OF 4-3 STOCK IN MESA 1-1/2X20' TYPE K HARD COPPER TUBING	11.8500	4,266.00
6690	14	EA	14-16 WEEK LEAD TIME 1-1/2" COPPER SWEAT 45	19.5700	273.98
6710	18	EA	1-2 WEEK LEAD TIME 1-1/2" COPPER SWEAT 90	12.7200	228.96
6730	14	EA	AS OF 4-3 STOCK IN MESA 1-1/2" COPPER SWEAT CPLG	10.6200	148.68
			AS OF 4-3 STOCK IN MESA PRIVATE SIDE TIE-IN		
6780	12	EA	1-1/2" MTR GASKET DROP IN AS OF 4-3 STOCK IN MESA	.9000	10.80
6800	12	EA	1-1/2" BRASS MTR FLG NL	72.5500	870.60
6820	12	EA	4-6 WEEK LEAD TIME 1-1/2 BRS METER BOLT & NUT SET	39.8900	478.68
6840	12	EA	3-5 WEEK LEAD TIME 1 1/2" COPPER SWEAT MALE ADPT	22.9800	275.76
6860	18	EA	1-2 WEEK LEAD TIME 1-1/2" COPPER SWEAT 90	12.7200	228.96
6880	120	FT	AS OF 4-3 STOCK IN MESA 1-1/2X20' TYPE K HARD COPPER TUBING	11.8500	1,422.00
			AS OF 4-3 STOCK IN MESA 1-1/2" SERVICE TIE-IN EXISTING METER		
6940	1	EA	12X1-1/2 IP SDL BRZ AC/DIP	341.0400	341.04

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221074	DOBSON RD TO CHIPPEMENTS PLACE	6322133	4/03/23	16

LINE	QTY	UOM	DESCRIPTION	UNIT PRICE	TOTAL PRICE
			DOUBLE STRAP 13.14-14.48		
6960	1	EA	16-18 WEEK LEAD TIME 1-1/2" BALL CORP MIPXPJC NL	227.1300	227.13
6980	1	EA	38 WEEK LEAD TIME 1-1/2" BALL ANG VLV PCJXMTR FLG NO LEAD	388.5400	388.54
7000	60	FT	38 WEEK LEAD TIME 1-1/2X20' TYPE K HARD COPPER TUBING	11.8500	711.00
7020	3	EA	14-16 WEEK LEAD TIME 1-1/2" COPPER SWEAT 90	12.7200	38.16
7040	1	EA	AS OF 4-3 STOCK IN MESA 1-1/2" COPPER SWEAT 45	19.5700	19.57
7060	1	EA	AS OF 4-3 STOCK IN MESA 1-1/2" COPPER SWEAT CPLG	10.6200	10.62
			AS OF 4-3 STOCK IN MESA 1" WATER SERVICE		
7110	5	EA	12X1 IP SDL BRZ AC/DIP DOUBLE STRAP 13.14-14.48	302.3500	1,511.75
7130	5	EA	14-16 WEEK LEAD TIME 1" BALL CORP MIPXPJC NL	100.6500	503.25
7150	100	FT	AS OF 4-3 STOCK IN MESA 1X100' TYPE K COPPER TUBING	10.3200	1,032.00
7170	60	FT	AS OF 4-3 STOCK IN MESA 1X60' TYPE K COPPER TUBING	10.3200	619.20
7190	5	EA	AS OF 4-3 STOCK IN MESA 1" BALL ANG VLV PJXMSN NL	186.3100	931.55
7210	5	EA	AS OF 4-3 STOCK IN PEORIA 18"X25-3/4" CONCRETE MAG MB #2	72.2700	361.35
7230	5	EA	48-52 WEEK LEAD TIME #2 POLY LID W/READ HOLE F/CONC MAG METER BOX CHANDLER SPEC	66.8900	334.45
7250	6	EA	AS OF 4-3 STOCK IN MESA 4"X6' SCH40 PIPE PEXPE	176.4700	1,058.82
			2-3 WEEK LEAD TIME PRIVATE SIDE TIE-IN		
7300	5	EA	1"X2-5/8 MTR CPLG NL	22.6100	113.05
7320	60	FT	AS OF 4-3 STOCK IN PEORIA 1X60' TYPE K COPPER TUBING	10.3200	619.20
7340	5	EA	AS OF 4-3 STOCK IN MESA 1" CPLG PJCPJC E2609 LOW LEAD	32.2500	161.25
			38 WEEK LEAD TIME 1" WATER SERVICE TIE-IN NO METER BOX		

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221074	DOBSON RD TO CHIPPEMENTS PLACE	6322133	4/03/23	17

LINE	QTY	UOM	DESCRIPTION	UNIT PRICE	TOTAL PRICE
7400	1	EA	12X1 IP SDL BRZ AC/DIP DOUBLE STRAP 13.14-14.48	302.3500	302.35
7420	1	EA	14-16 WEEK LEAD TIME 1" BALL CORP MIPXPJC NL	100.6500	100.65
7440	60	FT	AS OF 4-3 STOCK IN MESA 1X60' TYPE K COPPER TUBING	10.3200	619.20
7460	1	EA	AS OF 4-3 STOCK IN MESA 1" CPLG PJCXPJC E2609 LOW LEAD	32.2500	32.25
7480	1	EA	38 WEEK LEAD TIME 1" BALL ANG VLV PJXMSN NL	186.3100	186.31
			AS OF 4-3 STOCK IN PEORIA 2" RP BACKFLOW ASSEMBLY		
7530	1	EA	2" RED PRS BFP LF009M2QT LEAD FREE	652.7300	652.73
7550	2	EA	AS OF 4-3 STOCK IN MESA 2" COPPER SWEAT MALE ADPT	38.8800	77.76
7570	20	FT	AS OF 4-3 STOCK IN PEORIA 2X20' TYPE K HARD COPPER TUBE	20.5400	410.80
7590	4	EA	14-16 WEEK LEAD TIME 2" COPPER SWEAT 90	22.2600	89.04
7610	1	EA	1-2 WEEK LEAD TIME 2" CAST COPPER UNION	150.5800	150.58
7630	1	EA	AS OF 4-3 STOCK IN MESA 10"X24"X40" BACKFLOW CAGE BP-3 LIFT OFF	396.6800	396.68
			1-2 WEEK LEAD TIME 1-1/2" RP BACKFLOW ASSEMBLY		
7680	3	EA	1-1/2" RED PRS BFP LF009M2QT LEAD FREE	565.2700	1,695.81
7700	12	EA	1-1/2" RP BACKFLOW ASSEMBLY 1-1/2" COPPER SWEAT 90	12.7200	152.64
7720	6	EA	1-2 WEEK LEAD TIME 1 1/2" COPPER SWEAT MALE ADPT	22.9800	137.88
7740	3	EA	1-2 WEEK LEAD TIME 1-1/2" CAST COPPER UNION	71.8000	215.40
7760	60	FT	1-2 WEEK LEAD TIME 1-1/2X20' TYPE K HARD COPPER TUBING	11.8500	711.00
7780	3	EA	14-16 WEEK LEAD TIME 10"X24"X40" BACKFLOW CAGE BP-3 LIFT OFF	396.6800	1,190.04
			1-2 WEEK LEAD TIME 1" RP BACKFLOW ASSEMBLY		

ALL STOCK DELIVERIES ARE SUBJECT TO SHIPPING CHARGES

All PVC and HDPE material is quoted for shipment within 7 days of quote/bid date. All other material is quoted for shipment within 30 days of quote/bid date.

After 7 days for PVC and HDPE or 30 days for all other material, ALL quoted prices are subject to review based on current market conditions.

CUSTOMER NO	JOB NAME	QUOTE NO	QUOTE DATE	PAGE
221074	DOBSON RD TO CHIPPEMENTS PLACE	6322133	4/03/23	18

LINE	QTY	UOM	DESCRIPTION	UNIT PRICE	TOTAL PRICE
7830	3	EA	1" RED PRS BFP LF009M2QT LEAD FREE	291.2100	873.63
7850	12	EA	2-3 WEEK LEAD TIME 1" COPPER SWEAT 90	8.3700	100.44
7870	6	EA	1-2 WEEK LEAD TIME 1" COPPER SWEAT MALE ADPT	13.6500	81.90
7890	3	EA	1-2 WEEK LEAD TIME 1" COPPER SWEAT UNION	34.6200	103.86
7910	60	FT	AS OF 4-3 STOCK IN MESA 1X20' TYPE K HARD COPPER TUBE	7.2700	436.20
7930	3	EA	AS OF 4-3 STOCK IN MESA 10"X24"X22" BACKFLOW CAGE BP-1 LIFT OFF	324.5900	973.77
			AS OF 4-3 STOCK IN MESA FIRELINE AND FDC MODIFIED INSTALLATION PER CANDLER DETAIL FD103 6" RP BACKFLOW COC C-315		
8020	2	EA	6" RED PRS BFP W/OSY 9570SY	4,572.6400	9,145.28
8040	4	EA	AS OF 4-3 IN STOCK LOCALLY 6" FLGXFLG DIP 6'00"	794.1700	3,176.68
8060	4	EA	AS OF 4-3 STOCK IN MESA 6" FLGXFLG DIP 4'00"	631.3600	2,525.44
8080	8	EA	2-3 WEEK LEAD TIME 6" FLG 90 C110	202.3000	1,618.40
8100	4	EA	AS OF 4-3 STOCK IN MESA 6" MJXFLG ADPT C153	93.0800	372.32
8120	20	EA	AS OF 4-3 STOCK IN MESA 6" FLG BOLT KIT HDG A307B W/FF 1/8" MAG SBR GASKET PIZZA BOX STYLE	25.4800	509.60
8140	4	EA	AS OF 4-3 STOCK IN MESA 6" STAR GRIP MJ REST DIP 3000	31.5900	126.36
8160	4	EA	2-3 WEEK LEAD TIME 6" MJ REGULAR ACC LESS GLAND	23.6600	94.64
8180	4	EA	2-3 WEEK LEAD TIME PS-100-S ADJ PIPE SUPPORT	66.7400	266.96
			AS OF 4-3 STOCK IN MESA GUARD SHACK FOR 6" RP BACKFLOW 4" RP BACKFLOW COC C-315		
8260	1	EA	4" RED PRS BFP W/OSY 9570SY	2,484.3100	2,484.31
8280	2	EA	AS OF 4-3 IN STOCK LOCALLY 4" FLGXFLG DIP 6'00"	647.3500	1,294.70
			AS OF 4-3 STOCK IN MESA		

ALL STOCK DELIVERIES ARE SUBJECT TO SHIPPING CHARGES

All PVC and HDPE material is quoted for shipment within 7 days of quote/bid date. All other material is quoted for shipment within 30 days of quote/bid date.

After 7 days for PVC and HDPE or 30 days for all other material, ALL quoted prices are subject to review based on current market conditions.

CUSTOMER NO	JOB NAME	QUOTE NO	QUOTE DATE	PAGE
221074	DOBSON RD TO CHIPPEMENTS PLACE	6322133	4/03/23	19

LINE	QTY	UOM	DESCRIPTION	UNIT PRICE	TOTAL PRICE
8300	2	EA	4" FLGXFLG DIP 4'00"	511.6800	1,023.36
8320	4	EA	AS OF 4-3 STOCK IN MESA 4" FLG 90 C110	130.7400	522.96
8340	2	EA	AS OF 4-3 STOCK IN MESA 4" MJXFLG ADPT C153	67.7900	135.58
8360	10	EA	AS OF 4-3 STOCK IN MESA 4" FLG BOLT KIT HDG A307B W/FF 1/8" MAG SBR GASKET PIZZA BOX STYLE	17.0300	170.30
8380	2	EA	AS OF 4-3 STOCK IN MESA 4" STAR GRIP MJ REST DIP 3000	26.8600	53.72
8400	2	EA	AS OF 4-3 STOCK IN MESA 4" MJ REGULAR ACC LESS GLAND	20.7000	41.40
8420	2	EA	AS OF 4-3 STOCK IN MESA PS-100-S ADJ PIPE SUPPORT	66.7400	133.48
			AS OF 4-3 STOCK IN MESA AIR RELEASE C-319		
8470	2	EA	12X2 IP SDL BRZ AC/DIP DOUBLE STRAP 13.14-14.48	347.2400	694.48
8490	2	EA	16-18 WEEK LEAD TIME 2" BALL CORP MIPXPJC NL	375.6100	751.22
8510	60	FT	AS OF 4-3 STOCK IN MESA 2X20' TYPE K HARD COPPER TUBE	20.5400	1,232.40
8530	6	EA	14-16 WEEK LEAD TIME 2" COPPER SWEAT 90	22.2600	133.56
8550	1	EA	1-2 WEEK LEAD TIME 2" COPPER SWEAT CPLG	17.7100	17.71
8570	2	EA	AS OF 4-3 STOCK IN PEORIA 2" BALL VALVE PJCXFIP P-25172N LOW LEAD	396.2700	792.54
8590	2	EA	38 WEEK LEAD TIME 2"X6" BRASS NIPPLE	42.8400	85.68
8610	2	EA	AS OF 4-3 STOCK IN MESA 2" BRASS STREET 90 NO LEAD	59.6800	119.36
8630	2	EA	AS OF 4-3 STOCK IN MESA 2" THD NYLON COMBO ARV D040P	468.6100	937.22
8650	4	EA	AS OF 4-3 STOCK IN PEORIA 2" SCH80 PVC 90 FXF	13.4800	53.92
8670	2	EA	AS OF 4-3 STOCK IN PEORIA 2"X CLOSE SCH80 PVC NIPPLE	4.2600	8.52
8690	2	EA	AS OF 4-3 STOCK IN MESA 2" BUG SCREEN MIPT F/ARV VALVE FOR ARV VALVE	24.3600	48.72
8710	4	EA	2-3 WEEK LEAD TIME #4 CONC MB 22-3/4X33-1/2X12	101.9200	407.68
			AS OF 4-3 STOCK IN MESA		

ALL STOCK DELIVERIES ARE SUBJECT TO SHIPPING CHARGES

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After 7 days for PVC and HDPE or 30 days for all other material, ALL quoted prices are subject to review based on current market conditions.

CUSTOMER NO	JOB NAME	QUOTE NO	QUOTE DATE	PAGE
221074	DOBSON RD TO CHIPPEMENTS PLACE	6322133	4/03/23	20

LINE	QTY	UOM	DESCRIPTION	UNIT PRICE	TOTAL PRICE
8730	2	EA	#4 POLY LID W/READ HOLE F/CONC MAG METER BOX CHANDLER SPEC AS OF 4-3 STOCK IN MESA ADDITIONAL MATERIAL FOR TIE-INS TO CAP PIPE THAT WILL BE ABANDONED LATER	133.1300	266.26
8800	9	EA	12" HYMAX2 OS CPLG 13.15-14.41 W/FLIP GASKET	787.3200	7,085.88
8820	9	EA	AS OF 4-3 STOCK IN PEORIA 8" HYMAX2 COUPLING 8.54-9.84 W/FLIP GASKET	433.4100	3,900.69
8840	5	EA	1-2 WEEK LEAD TIME 6" HYMAX2 COUPLING 6.42-7.68 W/FLIP GASKET	383.8800	1,919.40
8860	18	FT	1-2 WEEK LEAD TIME 12" TJ DIP PR350	51.6100	928.98
8880	18	FT	16-18 WEEK LEAD TIME 8" TJ DIP PR350	33.9700	611.46
8900	18	FT	AS OF 4-3 STOCK IN MESA 6" TJ DIP PR350	25.5800	460.44
8920	23	EA	AS OF 4-3 STOCK IN MESA 2"X12" GALV NIPPLE	25.3300	582.59
8940	23	EA	2-3 WEEK LEAD TIME 2" GALV CAP	8.4500	194.35
8960	23	EA	2-3 WEEK LEAD TIME 2" GALV STREET 90	22.1200	508.76
8980	23	EA	2-3 WEEK LEAD TIME 2" BRASS BALL VALVE NO LEAD 4-6 WEEK LEAD TIME	88.4700	2,034.81
				Subtotal:	1,249,555.46
				Tax:	.00
				Bid Total:	1,249,555.46

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After 7 days for PVC and HDPE or 30 days for all other material, ALL quoted prices are subject to review based on current market conditions.

Ent By TC3 4/04/23 14:01:27

SOLICITATION SUMMARY

AGGREGATES



DESERT READY MIX

READY MIX CONCRETE SALES AND SERVICE

4011 PRESIDIO STREET

MESA, AZ 85215

OFFICE: 480-428-2280 FAX: 480-985-4248

Begin Date: February 22, 2023

Expiration Date: **October 1, 2023**

Quote # : 18138

MAP/GRID 167-31

Customer: **B & F CONTRACTING INC**

Customer Code: BFCO001

Address: 11011 N 23RD AVE
PHOENIX, AZ 85029

Contact: AMIT SATRE (ESTIMATOR)

Phone: 623-582-1170

Fax:

Project: **CHANDLER DOBSON SEWER IMPROVEMENTS**

Job Address: DOBSON ROAD & CHANDLER BLVD

Terms Description: **2% 10TH NET 30**

Item Code	Item Description	Est. Qty	Price
S500501	PHCLSM.5 (1/2 SACK SLURRY COP)	Per Yard	\$115.00
SRP104	1/2 SACK MAG CLSM (SRP MIX IF NEEDED)	Per Yard	\$115.00
S501001	PHCLSM1 (1 SACK SLURRY)	Per Yard	\$119.00
SRP105	1 SACK MAG CLSM (SRP MIX IF NEEDED)	Per Yard	\$119.00
A202001	MAG C 2000 PSI	Per Yard	\$146.00
A202501	MAG B 2500 PSI	Per Yard	\$150.00
A203001	MAG A 3000 PSI	Per Yard	\$154.00
A204001	MAG AA 4000 PSI	Per Yard	\$162.00
TC	TEMPERATURE CONTROL	Per Yard	\$1.00
AG010003	MAG SPEC ABC (NON-LIME) DELIVERED	Per Ton	\$18.50
AG010004	MAG SPEC ABC (LIME TREATED) DELIVERED	Per Ton	\$21.50
COLD MIX	ASPHALT COLD MIX DELIVERED	600	\$45.45

Additional Fees

Fee ID *	UOM	Price
E01	Per Yard	\$3.25
FSC	Per Load	\$TBD

Minimum Load Fee

Less than or equal to	UOM	Price
2 Yards	Load	\$0.00
3.5 Yards	Load	\$0.00
5.5 Yards	Load	\$0.00



DESERT READY MIX

READY MIX CONCRETE SALES AND SERVICE

4011 PRESIDIO STREET

MESA, AZ 85215

OFFICE: 480-428-2280 FAX: 480-985-4248

- Normal operating hours are Mon-Fri, Sat, Sun or Holidays are subject to surcharges.
- Color added at no expressed guarantee.
- Drivers do not accept cash or make change.
- Desert Ready Mix reserves the right to increase prices due to RAW Material cost increases such as Cement, Fly Ash, Aggregates or unexpected Fuel increases.
- All specialized aggregate sales are based on availability.
- Concrete deliveries less than 6 Cubic yards and Aggregates deliveries are subject to our minimum load charges.
- This quote does not guarantee product or service availability
- All Aggregates and Concrete loads have an additional fuel surcharge.
- 10.31.23 \$10.00 per ton increase for Cold Mix.
- 10.31.23 \$1.00 per ton increase for Non-lime ABC.
- 10.31.23 \$2.00 per ton increase for Lime Treated ABC.

Quoted By:

BRUCE A. TABET



Account Name : B & F CONTRACTING INC

Account Number : 992678

Customer Address: 11011 N 23RD AVE, PHOENIX, AZ 85029-4828, US

Customer Contact:

**Project Name: DOBSON SEWER & WATER
IMPRVTS PROJECT**

Project Address:
DOBSON RD & CHANDLER RD
CHANDLER, AZ 85224, County

Quote ID: 50140153
Quote Date: 2/23/2023
Quote Expiration: 4/30/2023

Martin Marietta is pleased to quote prices on the following products for the above listed project:

Product	Product ID	Plant	Quantity	UM	Unit Price	Haul Rate	Truck Type	Total Price Per Unit
SAND - CONCRETE	4528	Coolidge Aggregates	1	TN	\$19.00	\$14.00 (Ton)		\$33.00
MAG ABC(AGGREGATE BASE COURSE)	4618	Coolidge Aggregates	1	TN	\$14.50	\$14.00 (Ton)		\$28.50

PAYMENT TERMS NET 30 FROM DATE OF INVOICE

THE FOLLOWING PRICING IS FOR ACCEPTANCE BY THE QUOTE EXPIRATION DATE LISTED ABOVE. IF NOT ACCEPTED BY THE ABOVE DATE, ALL PRICES STATED HEREIN ARE VALID ONLY AT THE OPTION OF MARTIN MARIETTA MATERIALS INC.

ALL SALES ARE PRESUMED TO BE TAXABLE UNLESS AND UNTIL A COMPLETE AND ACCURATE SALES TAX EXEMPTION CERTIFICATE IS RECEIVED. QUOTED PRICES DO NOT INCLUDE SALES TAX.



Account Name : B & F CONTRACTING INC

Account Number : 992678

Customer Address: 11011 N 23RD AVE, PHOENIX, AZ 85029-4828, US

Customer Contact:

Terms:

1. This quotation will be valid for a period of thirty (30) days unless otherwise set forth on the face hereof. In order to make it a binding agreement, the Customer must accept all of its terms by either signing and returning a copy to Martin Marietta or by accepting products sold by Martin Marietta within that period of time. Any quotation that does not become binding prior to the quote expiration date above will lapse.
2. If the terms of this quotation are accepted, it will constitute an agreement under which Martin Marietta will sell the products shown to the Customer, and the Customer will purchase such products from Martin Marietta, for the prices indicated, during the time period specified at the time of sale or agreed to by the parties in writing.
3. At the time of shipment, Martin Marietta warrants good title and conformance to the specifications set forth on the face hereof or, if no specifications are so referenced, the customary specifications of Martin Marietta for such products from the facility of Martin Marietta indicated above. No other specifications will apply, including, without limitation, those relating to moisture. Other than the warranties stated in the first sentence of this paragraph, MARTIN MARIETTA HEREBY EXCLUDES ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, WRITTEN OR ORAL, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY AND ALL WARRANTIES OF FITNESS FOR ANY PARTICULAR PURPOSE AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AS TO THE PERFORMANCE OF ITS AGGREGATES, WHETHER WITH RESPECT TO ALKALI-AGGREGATE REACTIVITY. IF PRODUCT IS UNSATISFACTORY, MARTIN MARIETTA'S LIABILITY IS LIMITED TO FURNISHING REPLACEMENT MATERIAL. IN NO EVENT SHALL MARTIN MARIETTA BE LIABLE TO CUSTOMER FOR LOSS OF PROFITS OR REVENUE OR FOR ANY OTHER CONSEQUENTIAL, INCIDENTAL, SPECIAL OR PUNITIVE DAMAGES.
4. All products will be delivered FOB at the particular facility of Martin Marietta indicated above or as otherwise shown. Deliveries will occur in a manner that conforms to customary industry practice. If deliveries are to occur at a jobsite, a safe and secure delivery area must be provided by the Customer. Deliveries made inside curb line or on the lot are at Customer's risk only, and Martin Marietta accepts no responsibility whatsoever for damage resulting from such deliveries.
5. The Customer will be responsible for all compaction and other preparatory work required at the jobsite prior to the placement of the products shown. Martin Marietta will not be responsible for any problems that may arise if such preparatory work is not properly performed.
6. The prices set forth above are based upon the provisions of this quotation and the customary production and delivery practices of Martin Marietta. If the Customer hereafter requests action by Martin Marietta that is not customary, Martin Marietta will attempt to comply with the request, subject to the following:
 - A. If the Customer requests additives to products which are not a part of the applicable specifications described above, they will be added by Martin Marietta, if available, and an amount equal to the then standard price of Martin Marietta for such additives will be added to the purchase price. Customer remains responsible for determining appropriate specifications and additives, if any, appropriate for its specific project.
 - B. If the Customer requests delivery FOB at the jobsite in trucks or trailers that are different from customary tractors with end or bottom dump trailers, Martin Marietta will attempt to comply with such request and, if successful, will add the then standard prices of Martin Marietta for such trucks or trailers to the purchase price.
 - C. If the Customer requests deliveries of products at night or on weekends or holidays, Martin Marietta will attempt to comply with such request, subject to sufficient advance notice and a prior agreement with the Customer regarding additional charges for such services that will be added to the purchase price.
7. In addition, Martin Marietta may also add amounts to the purchase prices to reflect fuel surcharges that are imposed by third parties in connection with any shipment of the products shown or any materials that are used in the production thereof, or any other recuperative charges that are then applied by Martin Marietta to similar sales. Demurrage charges will begin after the first hour of waiting at the jobsite and will be \$50 per hour per truck, charged in no less than 30 minute increments.
8. Shipments are subject to prior credit approval. If credit is approved, all payments must be made in accordance with the then applicable credit policies of Martin Marietta, and if not so made, the agreement that is contemplated herein may be terminated by Martin Marietta immediately. Terms of payment are net 30 days following date of invoice, and payment is not dependent on receipt of payment by Customer from Owner or others. If not paid when due, Customer agrees to pay interest charges at the rate of 1.5% per month or the maximum lawful rate, whichever is lower, and Martin Marietta's reasonable costs of collection, including reasonable attorney's fees.
9. All deliveries of products are subject to delays that may be experienced by Martin Marietta in connection with adverse weather conditions, labor disputes, strikes, sabotage, war, governmental action, mechanical failures, inventory shortages, rail or truck transportation, and other similar events. Under such circumstances, Martin Marietta shall have the additional time needed to complete the order and/or the right to allocate the available supply in any manner it selects.
10. The Customer will be responsible for any taxes owed as a result of the sale of products hereunder unless the Customer provides Martin Marietta with a valid tax exemption certificate or other documentation properly indicating that such taxes should not be collected.
11. Martin Marietta shall not be deemed to have waived any right, power, privilege or remedy unless such waiver is expressly in writing and duly executed. No partial exercise, failure to exercise, delay in exercising or course of dealing with respect to any right, power, privilege or remedy shall operate as a waiver thereof by Martin Marietta or of any other right, power, privilege or remedy.
12. These terms shall control the sale and purchase of the products shown and shall be a part of the Customer's purchase agreement and may not be modified or altered in any way unless expressly approved in writing by a duly authorized representative of Martin Marietta. Any acceptance by the Customer that changes the terms hereof will not be effective. Martin Marietta is not bound by any Prime Contract between Owner and Customer which Seller has not signed.
13. The laws of the state of North Carolina shall govern the validity, interpretation, construction and effect of these terms and conditions and any Order,



Account Name : B & F CONTRACTING INC

Account Number : 992678

Customer Address: 11011 N 23RD AVE, PHOENIX, AZ 85029-4828, US

Customer Contact:

without regard to principles of conflict or choice of law.

BY SIGNING BELOW OR ACCEPTING PRODUCTS SOLD BY MARTIN MARIETTA, THE CUSTOMER AGREES TO BE BOUND BY THE TERMS AND CONDITIONS FOLLOWING THIS SIGNATURE LINE:

Signature

Print Name

Date

Should you have any questions concerning this quote, please contact
DONALD REA at Donald.Rea@martinmarietta.com

Quotation

Attn: AMIT SATRE

Quote Name: DOBSON ROAD & CHANDLER BLVD INTERSE
Quote #: 558491

B & F GENERAL CONTRACTING
11011 N 23RD AVE
PHOENIX, AZ 85029
Acct#: 213518

N DOBSON RD & W CHANDLER BLVD / CHAN
AZ051096
CHANDLER, AZ 85224

Date:	Monday, February 27, 2023	Sales Rep :	Kristin Gigis
Quote Created:	Monday, February 27, 2023		2526 E University Drive
Effective From:	Monday, February 27, 2023	Phone:	PHOENIX, AZ 85034
Quote Expiration:	Sunday, March 26, 2023	Fax :	(480) 208-1056
Price Expiration:	Saturday, September 30, 2023	Email:	gigisk@vmcmail.com

Special Instructions:

All daily orders under 100 tons of asphalt are subject to Gomez Pricing plus the haul.
This quote is limited to acceptance within 30 days from the date of this quotation, after which time the quotation is subject to review and revision.

Material quoted based on no specs reviewed. If any changes or different materials are required, the material is subject to price adjustment.

PLANT PREMIUMS

Prices quoted are for delivery during regular business hours - Monday thru Friday, 6 AM to 5 PM. Plant Premium for Monday - Friday night production (per 8-hour shifts) will be charged \$2,000.00 per shift. Plant Premium for Saturday production (per 8-hour shifts) will be charged \$1,000.00 per shift. Plant Premium for Sunday production (per 8-hour shifts) will be charged \$2,000.00 per shift. Any overtime will be charged at \$350.00 per hour.

TRUCKING ADDITIONAL FEES

Trucking is based on availability. The delivered price is based on 23.50 tons (full load); a short load fee will apply if under 23.50 tons. Truck stand-by will be charged on-site after the first 20 minutes at the rate of \$100 per hour or \$1.67 per minute. All night work will be subject to an 8-hour minimum hourly haul charge and subject to additional charges pending the hauler charging an additional 8 hrs due to days worth of work that is lost. Any cancellation of night work needs to be done 24 hours ahead of schedule. All weekend work will be subject to a 4-hour minimum hourly haul charge. Vulcan materials will not be held responsible for schedule impacts due to trucking shortages.

Vulcan's obligation to supply asphalt to Customers pursuant to this quote is subject to availability of liquid asphalt. If liquid asphalt is not available to Vulcan in sufficient quantities due to shortages, allocations, or other factors beyond Vulcan's control, Vulcan shall have no obligation to supply asphalt to Customer pursuant to this quote. In the event of a conflict between the terms of this quote and the terms of any purchase order or any other agreement between Vulcan and Customer, the terms of this quote shall control.

Plant	Product Name	Product #	Qty	U/M	FOB Plant	Haul Rate	Delivered
LITCHFIELD RESALE	MAG SPEC ABC P105	1627P105	852	Tons	\$13.00	9.20	\$22.20
		Truck Type	STD FRT RATE				

SAND & GRAVEL

Plant	Product Name	Product #	Qty	U/M	FOB Plant	Haul Rate	Delivered
WEST BROADWAY SAND & GRAVEL	MAG SPEC ABC	16272	852	Tons	\$16.50	13.80	\$30.30
		Truck Type	STD FRT RATE				
VAL VISTA SAND & GRAVEL	WASHED CONCRETE SAND	31822	1	Tons	\$19.00	9.85	\$28.85
		Truck Type	STD FRT RATE				

ASPHALT

Plant	Product Name	Product #	Qty	U/M	FOB Plant	Haul Rate	Delivered
GOMEZ HMA	3/8 COLD	456800	30	Tons	\$135.00	13.20	\$148.20
		Truck Type	STD FRT RATE				

Other Charges

Environmental Fee -Agg & Asphalt at \$4.00 / Load

FUEL SURCHARGE HAUL ONLY at 10.00% / Percent of Amount

Prices quoted above do not include any state or local sales and use tax, if any applies for this project.

Prices quoted are for shipments during normal daytime working hours unless other shipping hours are mutually agreed upon in writing by both parties.

Prices are FOB your jobsite as stated above. Terms are Net 15 prox. Please note standard terms and conditions apply. (Subject to credit approval)

This quote is limited to acceptance within 30 days from the date of this quotation after which time quotation is subject to review/revision. Please contact Sales prior to placing the order.

Accepted by: _____

Date: _____

Sales Representative: _____

Date: _____

We appreciate the opportunity to provide you this quote and trust that Vulcan will have the pleasure of serving your needs for this and future projects.

GENERAL TERMS AND CONDITIONS

PRICES AND TERMS

Prices are based on the terms and conditions set forth on page 1 of this Quotation, of which these General Terms and Conditions form a part, the terms and conditions stated in Customer's Application for Business Credit, and, if applicable, any terms and conditions relating to the delivery or shipment of materials by truck, barge, vessel, rail or other means which are provided by Vulcan to Customer in addition to this Quotation (each, a "Vulcan Sales Document", and collectively, the "Vulcan Sales Documents"). Prices are available only to the customer specifically named therein, and are only for the quantities mentioned in such Quotation or Sales Order plus or minus 10% of such quantities. A charge of 1.5% per month, (18% annum), will accrue on a daily basis from the date of invoice and will continue to accrue on a daily basis on any unpaid balance, both before and after judgment, until the date the balance is paid in full, or at the maximum amount permitted by law in which the sale occurred, whichever is less. **However, the assessment of a finance charge on invoices paid in full by the payment due date will be waived.** Quotation is offered for furnishing the total aggregate requirements for the project only. Customer's contract with Vulcan regarding the sale by Vulcan to Customer of the materials listed in this Quotation is subject to the terms and conditions set forth in the Vulcan Sales Documents. Prices reflect Customer's acceptance of materials at the quoted plant based upon gradation analysis performed and reported by Vulcan's certified plant quality control personnel. Any penalties that result from in place sampling shall be the full responsibility of Customer.

THE TERMS AND CONDITIONS OF THE VULCAN SALES DOCUMENTS GOVERN THE RIGHTS AND OBLIGATIONS OF THE PARTIES

If Customer has issued a purchase order for the materials quoted by Vulcan in this Quotation, this Quotation is not an acceptance of said purchase order, or any of its terms or conditions, which are hereby rejected. Any sale by Vulcan to Customer of the materials listed in this Quotation shall be subject to the terms and conditions set forth in the Vulcan Sales Documents, and Customer's receipt or acceptance of said materials shall constitute acceptance of the offer that this Quotation constitutes. Any terms or conditions of a subsequent purchase order issued by Customer that are inconsistent with the terms and conditions of the Vulcan Sales Documents shall be null and void.

SHIPMENT AND DELIVERY

Unless a "delivered" price is quoted by Vulcan in the Vulcan Sales Documents, all prices are F.O.B. point of shipment from the locations designated. All taxes applicable to the sale or delivery of materials that are not paid directly by Customer will be added to the sales price, invoiced to and paid by Customer, unless Customer provides Vulcan with satisfactory evidence of exemption from same. Shipment will be in accordance with Customer's reasonable instructions or, if none, then by whatever means Vulcan shall deem practicable. The quantities of material delivered to Customer shall be conclusively presumed to be the quantities shown on the tickets produced from a certified weigh scale at Vulcan's quarry or sales yard.

CREDIT AND DEFAULT

Vulcan shall have no obligation to ship or deliver except upon its determination prior to each shipment or delivery that Customer is worthy of the credit to be extended and is not in default upon any obligation to Vulcan. Upon default, Customer agrees to pay all of Vulcan's collection expenses, including attorneys' fees.

INSURANCE

A Memorandum of Insurance containing current information regarding Vulcan's insurance program is available at <https://marshdigital.marsh.com/marshconnect/viewMOI.action?clientId=632529479>.

EXCULPATORY PROVISIONS

Vulcan shall have no liability for delay or failure to make shipments, or delivery, as a result of strikes, labor problems, severe weather conditions, casualty, mechanical breakdown or other conditions beyond Vulcan's reasonable control. In no event shall Vulcan be liable for any incidental or consequential damages. Vulcan's liability and Customer's exclusive remedy for any cause of action arising out of the provision of material quoted herein shall be the replacement of, or payment of the purchase price for, the materials which are the subject of this Quotation.

CHANGE OF TERMS

Vulcan may change the price and/or quantity upon 30 days' notice to Customer. Vulcan shall also have right to change, modify or amend any other terms and conditions upon written notice of such change to customer. The effect of the change shall be as stated in the written notice and accepted by Customer upon placing of orders with seller following receipt of such notice.

APPLICABLE LAW

All orders are subject to acceptance by Vulcan at the headquarters of its Mountain West Division in Phoenix, Arizona, and the laws of the state in which the materials was shipped from shall apply to the sale of all materials subject hereto. In the event material is imported into the U.S., the law in the state in which the material was sold to the customer will prevail. All disputes regarding finance charges shall be governed by Alabama law.

LIMITED WARRANTY AND WARRANTY DISCLAIMER

Vulcan warrants for a period of one (1) year from date of delivery only that the material sold hereunder substantially complies with Vulcan's specifications for said material or the specifications set forth in Vulcan's quotation. **VULCAN HEREBY EXCLUDES ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR ANY PURPOSE, AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, OF THE MATERIAL SOLD HEREUNDER, OTHER THAN THE EXPRESS WARRANTY STATED ABOVE.** In addition, except to the extent otherwise set forth in the specifications described above, Vulcan makes no warranty whatsoever with respect to specific gravity, absorption, whether the material is innocuous, non-deleterious, or non-reactive, or whether the material is in conformance with any plans, other specifications, regulations, ordinances, statutes, or other standards applicable to Customer's job or to said material as used by Customer. **VULCAN SHALL IN NO EVENT BE RESPONSIBLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGE CAUSED BY NON-COMPLIANCE OF THE MATERIAL WITH SPECIFICATIONS, OR FOR ANY DEFECTS IN THE MATERIAL SOLD HEREUNDER.**

SUPPLIER	MATERIAL AND UNIT RATES									
	Permaseal		InsertA Valve						NOTES	
Tap Masters	\$	29,016.19	\$	1.00	\$	1.62	\$	-		
Pipeline Services				P	\$	94.50	-			
			\$		\$	1.63	\$			
NOTES:										



ARIZONA TAP MASTER
5156 W. Olive Ave., #273
Glendale, AZ 85302
Phone (623) 776-3132 Fax (623) 776-3083
ROC 257708

Quotation For:

Corina Nimmo
 B&F Contracting, Inc
 11011 N. 23rd Ave.
 Phoenix, AZ 85029
 Office: 623.582.1170
 Cell: 623.692-3210
 Email: corina.nimmo@bfcontracting.com

Quotation

Date 4/4/2023

Quotation #
Customer ID

Quotation valid until: 5/4/2023
Prepared by: Don Hardin

Comments or Special Instructions:

Lead time up to 2-3 months unless in stock at time of purchase

SALESPERSON	P.O. NUMBER	SHIP DATE	SHIP VIA	F.O.B. POINT	TERMS
Don Hardin	REQUIRED				NET 30

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
6	12" Mueller PermaSeal Insertion Valves on ACP, PVC, or DIP. TMI to supply: 6 each 12" Mueller Perms Seal insertion valves, plus installation Customer to supply: see below. Address: TBD	29016.19	174,097.14
CONTACT NAME AND NUMBER TBD		SUBTOTAL	\$ 174,097.14
		0.0000%	\$ -
		TOTAL	\$ 174,097.14

If you have any questions concerning this quotation, contact Don Hardin
 Phone: (623) 776-3132 - E-mail: azhottaps@gmail.com

THANK YOU FOR YOUR BUSINESS!

CUSTOMER TO SUPPLY

All Excavation, shoring (if required), ladders, scaffolding, man lifts, lifting devices and rigging for all equipment and materials, clear access to pipe, schedule all inspections, permits and taxes required. All Material for pipe modifications, pipe modifications, design, detail & installations of thrust blocks. Crane, forklift, Backhoe, trackhoe, to lift all equipment on / off truck, into work area and set into place for all Hot Tap and line Stop equipment 16" or larger and / or if TMI cannot get service truck within 10' of excavation, for 6" through 12" Line Stops. Maintain a dry and workable environment within the excavation when possible. Chlorination of hot tap / line stop fitting's and piping of new and or existing. Containment and disposal for all spills, disposal of all asbestos pipe (including all cut outs, coupons from all hot taps), and any hazardous and or non hazardous materials, and or liquids. Repair of any mortar lining/coating that may be damaged due to the hot tap or line stop insertion process for all CCP pipe. Supply all lighting if work is to be completed after hours after sundown. Any and all expedited freight cost for equipment and/or materials requested by the customer. Coordinate with the City to isolate and stop flow temporarily for all line stops 16" or larger during the insertion of the line stop('s) to insure that the line stop equipment is not damaged during this process. Customer to verify all pipe OD's and submit a list prior to ordering any and all line stop fittings.

SPECIAL CONDITIONS

Any materials ordered and returned will be subject to a 30% restocking fee. All special-order materials may not be returned. PO is required prior to ordering any and all materials.

This quote is based on normal business hours (unless otherwise noted).Any delays caused on jobsite that are of no fault to Tap Master, will be billed standby time at \$125.00 hr. for standard rate and \$165.00 /hr. for overtime rate per hour per man and \$195.00 /hr. for Premium time per hour per man.

HOT TAPS

Tap master does not guarantee the retrieval of the coupon. Mechanical failure could cause the coupon to enter the piping system. Hot tapping generates cutting chips. These chips may also enter the piping system. Both chips and coupons can be carried substantial distances by the flow. Tap Master is not responsible for retrieving the coupon or chips that may have entered the piping system and the customer agrees to hold Tap Master Inc. harmless from any damages or losses, direct or incidental, which might be caused by these materials. All cost associated with retrieving these materials will be the responsibility of the customer.

HOT TAPS / LINE STOPS ON CONCRETE LINED AND MORTAR COATED STEEL CYLINDER PIPE:

There is no guarantee the concrete lining will be fully recovered. Tap Master accepts no responsibility of the recovery or repair of the pipe lining. Should part of the concrete lining be lost during the hot tap, all cost associated with retrieving the lining will be the responsibility of the customer. Tap Master will not be responsible for any pipe failure.

MECHANICAL BOLT ON TAPPING SLEEVES

All mechanical bolt on hot tap/line stop sleeves are provided with a SBR or Buna gasket material that can expand and contract with temperature fluctuation causing the fitting to leak and should not be installed on pipe temperatures exceeding 180 degrees. Tap Master **cannot** be responsible for any leaking sleeves due to temperature fluctuation of piping system. If fluctuation is present on piping system please notify Tap Master to seek other alternatives.

PIPE FREEZE ISOLATION

In order to complete a pipe freeze, there must be NO FLOW in the line. If system cannot be isolated to STOP FLOW, then a conventional line stop would be recommended. Tap Master will not be responsible for any pipe or pipe failure that may crack or split due to defective pipe during the pipe freezing process.

LINE STOPS

Tap Master does not guarantee a 100% stop due to unknown and/or unforeseen internal pipe conditions, but will give a workable condition downstream of the line stop.

AZ TMI makes no guarantee that the placement of the line stop head (s) into the pipe the first time will provide a workable stop. It may be necessary to remove the line stop(s) & replace the sealing element. This is not considered delay of work at the jobsite.

All hot tap and line stop fittings are rated to 150PSI (Customer to verify pipe pressure does not exceed 150PSI)

Price is based on information provided by the customer. TMI to be notified by the customer of any changes in the scope of work within a reasonable time and/or as soon as they are aware of these changes. Price includes, Line Stop fittings, equipment and labor to complete (MISC.) Line Stop's (? PSI) and Line Stop Equipment to be onsite for up to () days, () technicians onsite for (?) consecutive business days at (8) hours per day / per man Monday Through Friday. No Weekend / Holiday's and or premium time included in cost.

Extra Days for Equipment: Each additional day equipment to be onsite will be charged and billed at (\$) per day per / line stop unit. Plus all Man Hours per day /per man at hourly rate.

Extra hours for technicians: will be charged at the rate of \$125.00 per hour / per man for straight time, \$165.00 per hour /per man for OT, and \$195.00 per hour /per man on Premium time. Straight Time defined as 7am - 3:30pm, Monday through Friday. Over Time defined as 3:30pm - 6:30pm, Monday through Friday and any weekend hours worked. Premium Time defined as any time after 12 hours work in a day and any time after 8 hours worked on weekends and any hours worked on a holiday.

Additional Hotel Cost: \$200.00 per night / per man for additional days past the (1) days included in price.

Additional Per diem Cost: \$50.00 per day / per man for additional days past the (1) days included in price.

Mobilization: () one mobilization to jobsite included in price. Additional charges will apply for extra days onsite and or extra mobilizations to jobsite. Should work be cancelled or rescheduled, Customer to pay all cost and expenses incurred by AZ TMI.

HYDRA STOP VALVE INSERTIONS

Hydra Stop Insta Valve Plus Valve's are special order and are NON RETURNABLE

Even though Tap Master uses the latest technology, Valve Insertions cannot always guarantee 100% bubble tight seal. The Valve Insertion utilizes the pipe I.D. for the seal. Pipe I.D.'s can vary based on pipe size and type of pipe. The Valve Manufacturer says that the Insertion Valve seal will give the customer a workable condition downstream but will be based on the pipe condition inside. (The Manufacturer does not guarantee a 100% seal) Insertion Valves have a low end and a top end sealing range based on the pipe I.D. It is recommended that if the customer does not know the pipe I.D. based on the type and class of the pipe per the manufacturer that it is best to complete a test tap prior to ordering the Insertion Valve in order to determine the pipe I.D. If Tap Master is unable to complete a test tap prior to ordering the Insertion Valve fitting, then it will be the customers responsibility to provide Tap Master with all the correct information to ensure that the correct Insertion Valve is ordered for the pipe it will be installed on. If completing a pressure test against the Insertion Valve, you may only test up to the actual line pressure at its current pressure at that time. Tap Master will not be responsible for defective pipe or pipe failure should it break or crack during the installation of the Insert Valve.

PUBLIC WORKS OR PREVAILING WAGE CERTIFIED PAYROLL:

If this is a public works, prevailing wage or PLA agreement project requiring certified payroll please contact our office for a revised quote to include the additional labor costs if not noted on the quote.

INSURANCE:

Tap Master supplies most standard insurance certificates. If this project is OCIP/CCIP insurance job, please contact Tap Master for a revised quote. All modified or special insurance requests are priced on request.

Payment Terms: NET 30

I have read the attached quote, terms and conditions and any special requirements necessary to complete the work. I agree that the technical data is correct and that I understand "Customer to Supply" requirements. Should I have any questions or need to make any changes to this quotation. I will have contacted Tap Master, Inc. and requested a revised quotation prior to signing and returning back this acceptance.

Signature:

Name:

Title:

Company:

Date:

Pipe O.D

Wall Thickness /

Pipe ID

/

Type of Pipe

Class of Pipe

Line Pressure



3825 South 27th Street
Phoenix Az 85040
Bus (480) 675-8767
Fax (480) 675-9072

PROPOSAL

Cell 480-459-7099

TO: B&F Contracting Inc.	PHONE: 623-582-1170	DATE: 11/1/2022
	JOB NAME: City of Chandler Project	
	LOCATION: Chandler Blvd & Dobson Rd	
ATTN: Jerry Hine	Chandler Az.	

QTY	ITEM	UNIT	AMOUNT
1 Ea	12" Hydra Stop Insta Valve IV-250 Complete.		
	For AC-DI or PVC.		\$13,950
	Above Pricing Includes All Labor & Material.		
TOTAL			\$13,950

NOTES: Above pricing does not include any, excavation, permits and shoring if required. Slurry or Concrete is needed under the valve.

**Respectively submitted,
Pipeline Services, Inc.**

By Bruce Martell



SOLICITATION SUMMARY

Concrete Replacement

B&F CONTRACTING, INC.

Job Name:	Chandler Boulevard and Dobson Road Sewer and Water Improvements
Job Number:	WW2005.403
Owner:	City of Chandler
Address	975 E. Armstrong Way, Building L Chandler, Arizona - 85286

Corporate HQ: 11011 N. 23rd Ave., Phoenix, AZ 85029
Office: 623-582-1170 | Fax: 623-582-3761
Arizona Licenses: ROC-089744, ROC-111282
Date: 3/13/2023
Revision:

SUPPLIER	MATERIAL AND UNIT RATES													
	Bus Bay		Curb & Gutter		Sidewalk		Median		Valley Gutter		Mobe		NOTES	
DBA	\$	43.30	\$	81.40	\$	28.00	\$	60.00	\$	43.00	\$4,600.00			
B&F	\$	37.87	\$	33.91	\$	20.71	\$	67.00	\$	30.00	\$ -			
Hever Bueno														Non Responsive at bid time
NOTES: B&F is current in as self perform provides better flexibility to complete the work and avoid additional mobes and price is more competitive.														



Date: 04/07/23
Proposal No. B&F23001

To: B&F Contracting
11011 N 23rd Ave
Phoenix, AZ
ATTN: Amit Satre

Chandler Blvd Waterline Improvements

DBA Construction proposes (unless otherwise noted) to furnish all labor, equipment, material and incidentals necessary to successfully complete the items listed below. We thank you for the opportunity to provide you with a comprehensive proposal for the above referenced project.

WORK ITEMS						
NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE	EXTENSION	
1.	Mobilization	1	EA	\$ 4,600.00	\$	4,600.00
2.	Curb& Gutter MAG 220 Type A	3,579	LF	\$ 81.40	\$	291,330.60
3.	Sidewalk MAG 230	4,225	SF	\$ 21.00	\$	88,725.00
4.	Sidewalk Ramp MAG 236-5	358	SF	\$ 28.00	\$	10,024.00
5.	Median COC 225-1	60	LF	\$ 85.00	\$	5,100.00
6.	Valley Gutter MAG 240	1,472	SF	\$ 43.00	\$	63,296.00
7.	Bus Bay COC C 230	464	SF	\$ 43.30	\$	20,091.20
PROPOSAL TOTAL:					\$	483,166.80

Assumptions

Our proposal is based on the assumption that the following conditions exist on the project site:

1. Access to site to be provided for crews and equipment.

Clarifications

Our proposal requires further clarification on these points in order to be considered:

1. Median item is for the vertical curb and gutter. Interlocking pavers by others
2. Ready Mix Price is good through the end of this year.
3. Mobilization is priced as each

Exclusions

Our proposal excludes the following items and were not considered during the preparation to this estimate:

1. Survey, Materials Testing, SWPPP, Traffic Control, Demolition
2. Permits, Fees, Taxes, Bonds, Sanitary Facilities, Street Sweeping
3. Excavation, Backfill, Fine Grade
4. Special finishes, colored concrete

Regards,

Estimator



SOLICITATION SUMMARY

B&F CONTRACTING, INC.

SLURRY/CONCRETE

Job Name: Chandler Boulevard and Dobson Road Sewer and Water Improvements
Job Number: WW2005.252
Owner: City of Chandler
Address: 975 E. Armstrong Way, Building L
Chandler, Arizona - 85286

Corporate HQ: 11011 N. 23rd Ave., Phoenix, AZ 85029
Office: 623-582-1170 | Fax: 623-582-3761
Arizona Licenses: ROC-089744, ROC-111282
Date: 3/13/2023
Revision: 0

SUPPLIER	MATERIAL AND UNIT RATES									
	1/2 SACK SLURRY	MAG C CONCRETE		MAG-B CONCRETE		MAG-A CONCRETE		MAG-AA CONCRETE	CHILLED WATER	SHORTLOAD
AZ MATERIAL	\$ 118.50	\$ 176.00	P	\$ 178.00	\$ 182.00	\$ 186.00	\$ 1.00			
Martin Marietta	\$ 133.00	P \$ 151.50		\$ 167.00	\$ 169.00	\$ 174.50	P \$ 1.00	P		
Average Price	\$ 125.75	\$ 163.75		\$ 172.50	\$ 175.50	\$ 180.25				

NOTES: Due to concrete scheduling we are using a blended price for the GMP to keep options open to avoid delay in concrete deliveries



PROJECT QUOTATION

Customer: B & F Contracting, Inc
Amit Satre -
amit.satre@bfcontracting.com

Project Dobson Rd & Chandler Blvd Intersection Sewer & Water Improvements
Location Dobson Rd & Chandler Blvd, Chandler, Arizona

Quote # 4973 (26)
Quote Date 02/22/2023

CONCRETE

Est Quantity 1,989.00 CYDS

Qty	Description	Mix ID	Price
950	1/2 Sack ABC Lean Slurry Mix (CLSM)	12011	\$115.00/CYD
950	1 Sack ABC Slurry, CLSM	12012	\$118.00/CYD
8	2000 PSI MAG C	12004	\$155.00/CYD
8	MAG-B 2500 PSI 1" Rock	12504	\$157.00/CYD
50	MAG-A 3000 PSI	13004	\$162.00/CYD
23	MAG-AA 4000 PSI, 1" Rock	14004	\$166.00/CYD
	Chilled Water		\$1.00/Per Yard
	Environmental		\$25.00/Each
	Fuel Surcharges		\$35.00/Each
	Hot Water		\$1.00/Per Yard
	Nitro		\$9.50/Per Yard
	SHORTLOAD CHARGES		\$200.00/Each

PRICE INCREASE SEPTEMBER 1ST & MARCH 1ST

+\$15 PCY FOR CONCRETE

+\$8 PCY FOR SLURRY

Concrete Terms & Conditions

Arizona Materials accepts no responsibility for any damage to curb and beyond curb line. It will be Buyers responsibility to contact Arizona Materials Quality Control Department with any concrete issue/concerns within 48 hours after placement. Buyer is responsible to provide safe access to point of delivery. All materials are produced in conformance with ACI / ASTM standards. Mixes quoted below, unless otherwise stated, conform to no specific water cement ratio, minimum sack content, shrinkage, temperature requirement, or the plans and specifications of this project.

All colored concrete loads have a 3 yard minimum.

Arizona Materials cannot guarantee compressive strengths of 5000 PSI or below for loads less than 3 yards.

5000 PSI or above must be 5 yards or more to guarantee compressive strength.

Payment is due and payable on or before the 15th day of the month following to receive 2% discount. Account must be current in full to be eligible to apply discount. A service charge not to exceed the maximum allowed by law applies on unpaid invoice amounts beginning the 1st day of the month following due date and daily thereafter until paid in full. Should litigation be commenced to enforce payment, the prevailing party is entitled to reimbursement of reasonable attorney fees and court costs.

Buyer has 30 days to validate quote with P.O. , signing issued quote, or written verification.

Price quoted are applicable pending availability of materials and are subject to change prior to commitment.

Price Increases as follow:

Price Increase #1: Add **\$15.00/CYD** on 09/01/2023

Price Increase #2: Add **\$15.00/CYD** on 03/01/2024

Price Increase #3: Add **\$15.00/CYD** on 09/01/2024

Prepared & Submitted By:	ACCEPTANCE (void if not accepted before 03/24/2023)
Chris Nau 6023169931 cnau@azmatl.com Prepared On 02/22/2023	All prices expire on quoted expiration date: 09/30/2024 Signature: _____ Date: _____ Print Name/ Title: _____



Corporate Offices:
3636 S. 43rd Avenue
Phoenix, AZ 85009
Phone: 602-278-7777
Fax: 602-442-6905
www.arizonamaterials.net

Terms and Conditions of Sale

Additives

*Hot / Chilled Water - \$1.00 per cubic yard

***\$2.50 as of 3/1/23**

Nitrogen Cooling - \$9.50 per cubic yard

Non-Chloride Accelerator - \$2.00 per unit

Recover - \$2.50 per 1/2 Hour

Fiber

Micro Fiber - \$7.50 per pound

Macro Fiber (Structural) - Priced as Quoted

Color

Standard Liquid Color - See mix detail for per yard pricing

Color Washout - \$25.00 per load

Delivery

Fuel Surcharge - \$35.00 per load

Wash Out System Buckets - \$25.00 per load (requested at time of order)

Standby Charges - \$1.50 per minute beyond 6 minutes per cubic yard

Short Load Charges - 6 yards or less \$200.00 per load

Environmental Fee - \$25.00 per load

Weekend Delivery - \$50.00 per load

Plant Opening Charge - \$500.00/hr, 4 hour minimum

Sunday / Holiday Opening - \$750.00/hr, 4 hour minimum

All order backs/split loads under 11 yds on one order are subject to Short Load Charges.

Concrete Pricing subject to change based on market conditions

All materials are produced in conformance with ACI / ASTM Standards.

Contractor is responsible to provide safe access to the point of delivery.

Arizona Materials accepts no responsibility for damages to any curb and beyond the curb line.

It is Contractors responsibility to contact Arizona Materials Quality Control Department with any concrete issues/concerns no later than 48 Hours after placement.



4025 S McClintock Dr Suite 202, Tempe, AZ 85282 Office: 602.685.3450

Proud to be American Owned and Operated

To: B & F CONTRACTING INC
Attention: Amit Satre
Customer #: 992678
Phone: 602.402.5410
E-Mail: Amit.Satre@BFContracting.com

Date: February 23, 2023
Project: Chandler Dobson Sewer & Water Improvement Project
Address: Dobson Rd & Chandler Blvd
Chandler, AZ

CONCRETE MATERIAL PRICE QUOTE

Mix #	Mix Use & Type	Strength @ 28 Days	Slump	Air	Aggregate Size	Estimated Volume	2023 Price per CY
2403141	Encasement Cover	4000	3-5	1 - 4%	1"	23	\$135.50
2303141	Encasement Cover	3000	3-5	1 - 4%	1"	50	\$130.00
2253141	Encasement Cover	2500	3-5	1 - 4%	1"	1	\$128.00
2203141	Encasement Cover	2000	3-5	1 - 4%	1"	1	\$122.50
PHCLSM	Backfill Material	50	7-11	1 - 4%	1"	1,900	\$94.00
PHCLSM1	Backfill Material	50	7-11	1 - 4%	1"	1,900	\$97.50

Please Note

All concrete as bid is per 90 minute max delivery and 95 degree max concrete temperature. All Concrete as Bid contains Type F Ash and normal weight aggregate unless specifically noted. All concrete pricing above is valid from Monday thru Friday during normal business hours. Aggregates are a naturally occurring material which can contain particles that degrade or stain concrete. It is not possible to completely remove all such particles; however, the occurrence is infrequent, and the bulk aggregate meets the Limits for Deleterious Substances and Physical Property Requirements of Coarse Aggregate for Concrete as outlined in ASTM C 33. Martin Marietta does not warranty against these infrequent occurrences.

Minimum amount of standard concrete for deliveries is 2 cubic yards, specialty concrete is 4 cubic yards. Buyer is responsible for safe access to work area, wash out containment area for all deliveries. Sales Tax owed unless exempt documentation is received before the first pour. *Please see page 2, item 7 for important tax information.*

Price Escalators:

Included Per Cubic Yard Price Increase 04/01/23

\$10.00 Per Cubic Yard Price Increase 09/01/23 and TBD Per Cubic Yard Price Increase 04/01/24

Add:

\$25.00	Per Load Transportation Surcharge - Add to Above Pricing
\$2.00	Per Cubic Yard Environmental Fee - Add to Above Pricing
\$1.50	Per Cubic Yard Summer Service Fee (Jun 1 through Sep 30) - Add to Above Pricing
\$2.00	Per Cubic Yard Winter Service Fee (Nov 1 through Feb 28) - Add to Above Pricing

Prices are F.O.B. job site and do not include taxes.

TERMS: NET 30 DAYS, 18% APR Interest will be added to all past due accounts.

Add Miscellaneous Extra Charges:

- \$8.00 Per Cubic Yard Cancellation Fee within 24 Hours of Scheduled Start Time (\$200 minimum fee)
- \$5.00 Per Gallon Nitro (3 gallons is equivalent to 20 LBs. of ice) Call for Availability
- \$0.75 Per Pound Ice
- \$8.00 Per Cubic Yard per each 1% Non Chloride Accelerator (available in 0.25% increments)
- \$3.00 Per Cubic Yard per Each 30 Minute Increment of Hydration Stabilizer (Retarder)
- \$7.00 Per Cubic Yard Mono/Micro Fiber (1LB per Cubic Yard)
- \$10.50 Per Cubic Yard Fibrillated Fiber (1.5LBs per Cubic Yard)
- Call Per Cubic Yard Macro Fiber (contact your sales rep)
- \$2.00 Per Minute of Wait Time per Load After 45 Minutes (on job standby)
- \$100.00 Per Load Multi-Stop Delivery Fee (per stop)
- Per Cubic Yard Saturday Premium Charge

 **Martin Marietta**
Quotation expires 30 days from above date

By:	Kyle Hall
Title:	Sales Representative
Mobile:	602.690.7317

E-mail:	Kyle.Hall@martinmarietta.com
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Terms and Conditions

4025 S McClintock Dr Suite 202, Tempe, AZ 85282 Office: 602.685.3450



1. Seller's quotation and offer contained herein shall be deemed withdrawn and of no further effect unless accepted by Purchaser by signing and returning a copy hereof to Seller within thirty (30) days after the date hereof. Acceptance of any order from Purchaser ("Order") is expressly made conditional on assent to these Terms and Conditions, either by written acknowledgment or by Purchaser's acceptance of the products sold hereunder. These Terms and Conditions also serve as Seller's objection to and rejection of any terms and conditions included in Purchaser's forms that are different from or additional to these Terms and Conditions.

2. Seller's obligation to deliver concrete at prices quoted is limited to deliveries on the project specified within six (6) months after date of quotation, unless otherwise specified on the front side thereof. Seller may refuse to commence or continue deliveries at prices quoted on projects not started within a reasonable time or on projects not continuously prosecuted after the commencement of deliveries.

3. All concrete ordered by Purchaser and delivered to the job, whether used or not, will be billed to Purchaser. Prices and quantities are based upon the wet volume at the time of discharge from delivery trucks. Receipt and delivery tickets shall be binding unless immediately disputed. The Purchaser is required to provide an area suitable for wash down of the truck to meet applicable local, state, and national environmental requirements.

4. Unless otherwise specified, prices quoted are based on delivery by trucks to jobsite during normal working hours, Monday through Friday. An additional charge may be made for deliveries after normal working hours. Purchaser is responsible for giving Seller reasonable and adequate notice for scheduling and delivering concrete. Seller will not be expected to hold trucks and equipment available for deliveries to Purchaser, and will not, without reimbursement, hold plants open and equipment available for pours for which adequate and reasonable notice has not been given. Seller will not honor back charges for delays in delivery due to inadequate notice by Purchaser or due to underestimation of quantities for a pour.

5. Deliveries by trucks are dependent upon accessibility to point of delivery. Roadways shall be deemed inaccessible if trucks cannot proceed with the full load (unless part loads are specifically ordered and agreed to by Seller) under its own power without damage to property or equipment. In the event Purchaser ordered delivery beyond curb line, Seller shall not be liable for damage to sidewalks, driveways, or other property, and Purchaser shall indemnify and hold Seller harmless against any and all liability, loss and expense, incurred as a result of such damages. All deliveries shall be made subject to applicable regulations governing the standard operating procedure of common carriers.

6. Prices quoted are based on prompt unloading of trucks. Seller reserves the right to make a standby charge as listed on the front page hereof. In case of repeated delays in unloading, Seller reserves the right to discontinue deliveries until conditions causing delay are corrected.

7. Any sales, processing or similar tax imposed by any governmental authority which is now or hereafter becomes applicable to deliveries by Seller shall be paid by Purchaser unless otherwise provided by law in addition to the prices specified herein. Concrete pricing as quoted excludes sales tax. The applicable sales tax rate will be charged to Purchaser. If the project is tax exempt, the tax exempt certificate must be received by Seller prior to the first shipment to the project. If not received, purchaser is responsible for the sales tax payment.

8. Seller warrants that all cementitious materials, aggregates and admixtures used by it in furnishing concrete pursuant to this quotation shall conform to current ASTM specifications for cementitious materials, aggregates and admixtures of the type specified and that all ready-mixed concrete delivered to Purchaser shall conform to applicable requirements of current ASTM Standard C 94. Where quantity of cementitious materials is specified, Seller warrants that the concrete delivered will contain the specified quantity of cementitious materials of the type specified within industry accepted tolerances for ready-mixed concrete. Where strength of concrete is specified and concrete is delivered by Seller, Seller warrants that the concrete furnished will meet or exceed the indicated design strength at the designated age when tested in accordance with the applicable and current ASTM Standards C 31, C 39, C 78, C 172, C 293, applicable provisions of C 94, and evaluated in accordance with applicable provisions of the ACI 318 Building Code. The addition of water to the mix by Purchaser relieves Seller of any responsibility as to strength of concrete provided the slump at time of delivery is equal to or greater than that specified. Where strength of concrete is designed in excess of 4500 psi or a "High Early" concrete is required, the minimum batch size shall be 4.0 cubic yards, for which Purchaser is required to pay. SELLER MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, OF MERCHANTABILITY OR FITNESS FOR ANY PURPOSE OR OF FUTURE PERFORMANCE OR OF ANY OTHER KIND. Seller's obligation under this warranty shall be limited to replacement or allowance of credit for nonconforming materials as provided herein.

9. Seller shall have no liability whatsoever to Purchaser or to any other person for delays in deliveries of orders accepted hereunder resulting from fire, casualties, calamities, strikes or other labor disputes, mechanical failures, war, insurrection, interruption or shortage of utility service or materials, acts or regulations of any governmental body or agency, or resulting from conditions or events beyond the reasonable control of Seller. Should Seller experience any delays or shortages of transportation or materials, Seller shall be permitted to allocate deliveries among its customers, but Seller shall use commercially reasonable efforts to meet any delivery schedule to which it has agreed hereunder.

10. Seller shall not be liable for loss or damage of any nature after delivery. Seller's only liability and obligation with respect to nonconforming (including defective) concrete shall be to replace such nonconforming concrete at point of delivery, or at Seller's option, to allow credit for such nonconforming concrete, provided that Purchaser shall be deemed to have waived all rights or claims hereunder with respect to nonconforming concrete not reported to Seller within one (1) year after the time of delivery thereof to Purchaser. Seller shall have no liability for loss or damage in excess of the price received for nonconforming or defective concrete delivered to Purchaser or for losses or damages of any nature (INCLUDING WITHOUT LIMITATION INCIDENTAL OR CONSEQUENTIAL DAMAGES) incurred or suffered by Purchaser or any other person or entity in repairing or replacing defective concrete or occasioned by defective concrete, and Seller shall have no other responsibility, obligation or liability whatsoever with respect to any concrete delivered hereunder whether predicated or alleged breach of contract or negligence or otherwise.

11. Shipments are subject to prior credit approval. If credit is approved, all payments must be made in accordance with the then applicable credit policies of Seller, and if not so made, the agreement that is contemplated herein may be terminated by Seller immediately. Terms of payment are net 30 days following date of invoice. If Purchaser fails to make timely payments or if, in Seller's opinion, the financial condition of Purchaser or other grounds for insecurity warrant such action, Seller may, without limiting its other remedies, (i) suspend shipments pending receipt of assurances or credit support satisfactory to Seller or (ii) terminate the Order, in which event unpaid invoices shall become immediately due and payable. Any past due account shall bear interest at the rate of 18% per annum. In the event the collection of any unpaid balance is placed in the hands of Seller's attorney, Purchaser shall pay a reasonable attorney's fee.

12. This quotation is made subject to all applicable governmental orders, rules and regulations and with respect to construction or the use of building materials. The parties agree that the laws of Arizona shall govern this Agreement and any disputes shall be heard in the courts of Maricopa County, Arizona. It is understood that there are no verbal agreements or understandings which are not incorporated herein.

Noncompliance

Martin Marietta will not be responsible for failing concrete results derived from tests not adhering to the latest version of the pertinent ACI, ASTM or AASHTO code, standard or specification. This includes, but is not limited to, sampling, casting and initial curing of concrete cylinders, concrete cylinder transportation and final curing as well as reporting that does not meet the prescribed requirements. In the event that non-compliant test results are reported to customer it shall notify Martin Marietta within three days of such occurrence to allow time for investigation and response. In order for non-compliant results to be considered by Martin Marietta, documentation of the following items meeting the related code, standard or specification must be provided: (i) Evidence the concrete has been sampled and tested by a technician holding a current ACI Field 1 Certification; (ii) Evidence that the concrete was sampled at the point of discharge of the concrete truck as stated in ASTM C172 & ACI 318-19; (iii) Evidence that the concrete was tested in accordance with ASTM C39 and C231; and (iv) Evidence that the concrete strength specimens were made, cured and transported in accordance with ASTM C31. In the event of a non-compliant test result where it is determined that the above referenced procedures were not followed and the in-place concrete is found to be in compliance with agreed upon standards, all costs related to the investigation, including but not limited to, independent third-party testing, Martin Marietta management consultation fees, and all legal fees will be the responsibility of the customer.

Customer

By: _____

Title: _____

Date: _____

Martin Marietta

By: Kyle Hall _____

Date: Thursday, February 23, 2023 _____

Expiration Date: Thursday, August 31, 2023 _____

Job Information Sheet

4025 S McClintock Dr Suite 202, Tempe, AZ 85282 Office: 602.685.3450



Please return completed job information sheet along with signed quote to
Kyle.Hall@martinmarietta.com

**** Martin Marietta will not supply concrete to this project without completed form ****

To: B & F CONTRACTING INC
Attention: Amit Satre
Customer #: 992678
Phone: 602.402.5410
E-Mail: Amit.Satre@BFContracting.com

Date: February 23, 2023
Project: Chandler Dobson Sewer & Water Improvement Project
Address: Dobson Rd & Chandler Blvd
Chandler, AZ

Please complete all sections listed below

Job Number/PO#: _____

Project Type (Please Select): Private { } Public { } State/Local { } Federal { } Residential { } Bond Job { }

Start Date: _____

Estimated Project Valuation (\$): _____

Owner Name: _____

Owner Address: _____

Lender Co.: _____

Lender Co. Address: _____

Loan #: _____

Bonding Co.: _____

Bonding Co. Address: _____

Bond #: _____

General/Direct Contractor: _____

☐

General/Direct Contractor Address: _____

☐

General/Direct Contractor Phone: _____

Is this project located on tribal community land (Please Select)? Yes { } No { }

If so, please provide which community _____

I hereby certify that the information provided in this form is complete,
true and correct to the best of my knowledge.

By: _____

Title: _____

Date: _____

Martin Marietta

By: Kyle Hall _____

Date: Thursday, February 23, 2023 _____

Expiration Date: Thursday, August 31, 2023 _____

Chandler Dobson Waterline Project WW2005.403
Allowance Explaining

Item	Description	Total Cost	Explanation
F1	Traffic Control Allowance	\$585,922.68	Traffic control we utilized recent project with similar TCP requirments up down each day large intersection setups. 300 Days at 1,650 perday average cost, Visual message board for 84 days during the project. Multiple message board will be required upon start up a each direction per Chandler Traffic. Includes markup for OH&P 8.5%, Bond & Insurance 2.1% and Tax 4.83%
F2	Police Officer	\$270,567.92	1.5 police for the duration of the project at 800 dollars a day for 293 days
F3	Quality Control Testing	\$ 62,909.35	Took past cost from recent project and extending over the months on this project including waterline in arterial roadways. Includes markup for OH&P 8.5%, Bond & Insurance 2.1% and Tax 4.83%
F4	Construction Water	\$ 28,857.50	Utilized a plug number of 25000 which is roughly 2,500 a month Includes markup for OH&P 8.5%, Bond & Insurance 2.1% and Tax 4.83%
F5	Crack Seal	\$ 40,400.00	35000 lf at 1 dollar per foot. Includes markup for OH&P 8.5%, Bond & Insurance 2.1% and Tax 4.83%
F6	Paver Allowance	\$ 9,234.40	Received limited quotes we completed a bet estimate on the limited locations for repair. Includes markup for OH&P 8.5%, Bond & Insurance 2.1% and Tax 4.83%
F7	Public Outreach	\$ 28,900.00	Utilized similar number from preconstruction services. Includes markup for OH&P 8.5%, Bond & Insurance 2.1% and Tax 4.83%
F8	Survey	\$ 57,800.00	Received only one quote it was lump sum and they did not actually bid the job. We moved it to allowance because we thing that it will be less and the saving will go to the city. Includes markup for OH&P 8.5%, Bond & Insurance 2.1% and Tax 4.83%

AGREEMENT BETWEEN CLIENT AND ENGINEER

This is an agreement for services to be performed. Services shall commence hereunder upon receipt by Engineer of Agreement signed by Client. One fully executed copy will be returned to Client. Should any of the information shown hereon not be in accordance with Client's understanding, Client should immediately advise Engineer. Unless signed and returned by Client within 60 days from the date hereon, this Agreement shall be null and void.

Date: April 10, 2023

Client: B+F Contracting Inc.

Engineer: Entellus, Inc.

Address: 11011 North 23rd Ave.
Phoenix, Arizona 85029

Address: 3033 North 44th Street, Suite 250
Phoenix, Arizona 85018

Telephone: (623) 582-1170
FAX:

Telephone: (602) 244-2566
FAX: (602) 244-8947

Attention: Amit Satre

Attention: Erick Welch, RLS, CFedS

Project Description:

(Entellus Project No. _____)

The Client and Engineer for mutual consideration hereinafter set forth, agree as follows:

A. Engineer agrees to perform the following professional services:

Per attached Exhibit "A"

B. Client agrees to compensate Engineer for such services as follows:

Per attached Exhibit "A"

C. The standard provisions set forth upon the following pages and EXHIBIT A are incorporated hereinto and made part of this Agreement.

IN WITNESS WHEREOF, the parties hereto have accepted, made and executed this Agreement upon the terms, conditions, and provisions above stated and on the following pages and EXHIBIT A, the day and year first above written.

Client

Engineer

By:

By:

Title Date

Title Date

STANDARD PROVISIONS OF AGREEMENT BETWEEN CLIENT AND ENGINEER

PAYMENT

1. Engineer shall render invoices to Client from time to time as services are provided as set forth in Section A and the fee schedule set forth in Section B on the reverse side. Invoices shall be due and payable when rendered.
2. Client shall promptly review invoices and notify Engineer of any objections hereto; absent such objection in writing within ten (10) days of the date of the invoice; the invoice shall be deemed proper and acceptable.
3. In the event any invoice is not paid within thirty (30) days after rendering of the invoice, it shall commence bearing interest on the date the invoice was rendered at the rate of 10% per annum (or such base rate as may be maximum interest permissible under applicable law) and Client agrees to pay all accrued interest, together with the charges for services rendered.
4. Client's failure to pay Engineer's invoice in full, within sixty (60) days of the invoice date, shall be a default of Client's obligations under this Agreement. If such default is not cured within ten (10) days after Engineer gives notice of this default, this agreement shall be terminated and Engineer shall be excused from all further obligations to provide services under this Agreement. Notwithstanding such termination, Client shall remain liable to Engineer for all fees, charges, and services performed by Engineer to the date of termination.
5. Client shall pay the cost of all reimbursable items such as fees, permits, bond premiums, title company charges, delivery charges, blueprints and reproductions, and all other charges and expenses not specifically covered by the terms of this Agreement. In the event such reimbursable items are paid directly by Engineer, then such charges and expenses shall be invoiced at direct cost plus 15% for handling.
6. The term of this Agreement shall commence and become effective as of the date hereon and shall continue until all of the work set forth in Section A on the reverse side has been completed or April 13th, 2024, whichever occurs first. During the term of this Agreement, the fee for any work items listed in Section A yet to be completed as of April 13th, 2024, and any work yet to be completed each subsequent year thereafter will be escalated by 10%.
7. No claim of offset will be permitted unless it is made within ten (10) days of the date of discovery. In the event of a claim, the parties hereto will immediately meet and negotiate to resolve the claim. If the claim is not resolved within twenty (20) days from the date of notice, Engineer has the right to stop work and will have no liability for stopping work whether or not the claimed offset is ultimately sustained.

GENERAL

8. Client agrees to cooperate in any and every way or manner with Engineer on project.
9. All sketches, drawings, tracings, computations, survey notes, and other original documents are and shall remain the property of the Engineer subject to the requirements of the public agencies.
10. All agreements on the Engineer's part are contingent upon, and subject to, the fact that Engineer shall not be responsible for damages or be in default or be deemed to be in default by reason of delays in performance by reason of strike, lockouts, accidents, acts of God, and other delays unavoidable or beyond the Engineer's reasonable control, or due to shortages or unavailability of labor at established area wage rate, or delays caused by failure of Client or Client's agents to furnish information or to approve or disapprove Engineer's work promptly, or due to late or slow, or faulty performance by the Client, other contractors, or governmental agencies, the performance of whose work is precedent to or concurrent with the performance of Engineer's work. In the case of the happening of any such cause of delay, the time of completion shall be extended accordingly.
11. In the event that all the services required to be performed under this Agreement have not been performed by April 13th, 2024, for any reason other than a default by Engineer hereunder, Engineer shall have the right, upon giving thirty (30) days prior written notice to the Client, to terminate this Agreement and to be paid to the date of termination for all services rendered and costs incurred hereunder.
12. In the event the project being undertaken by Client for any reason is terminated or abandoned, Engineer shall be paid for the services to date on the basis as set forth in Section B on the reverse side, plus 15% of the total compensation earned to time of termination to account for Engineer's rescheduling adjustments, reassignment of personnel, and related costs incurred due to termination. Client shall notify Engineer of termination or abandonment in writing.
13. In the event that any staking is destroyed by an act of God or parties other than Engineer, the cost of restaking shall be paid for by Client as extra work.
14. Engineer makes no warranty either express or implied, as to his findings, recommendations, specifications, or professional advice except that these were promulgated after being prepared in accordance with generally accepted engineering and/or surveying practices and under the direction of registered professional engineers and/or licensed land surveyors.
15. Engineer makes no representations concerning soil conditions unless specifically included in writing in this Agreement, and he is not responsible for any liability that may arise out of the making or failure to make soil surveys, or sub-surface soil test, or general soil testing.
16. Engineer makes no representations concerning the cost figures made in connection with maps, plans, specifications, or drawings other than that all cost figures are estimates only and the Engineer shall not be responsible for fluctuations in cost factors.

17. In consideration of the Engineer's fee for services, the Client agrees that the Engineer will perform no on-site construction review for this project, that such services will be provided by others, and that the Client shall defend, indemnify, and hold the Engineer harmless from any and all liability, real or alleged, that might be occasioned by others performing construction review for this project.
18. The Client agrees that in accordance with generally accepted construction practices, the construction contractor will be required to assume sole and complete responsibility for job site conditions during the course of construction of the project, including safety of all persons and property; that his requirement shall be made to apply continuously and not be limited to normal working hours; and the Client further agrees to defend, indemnify and hold the Engineer harmless from any and all liability, real or alleged, in connection with the performance of work on this project, excepting liability arising from the sole negligence of the Engineer.
19. The Client agrees to limit the Engineer's liability to the Client and to all contractors and subcontractors on the project, due to professional negligent acts, errors or omissions of the Engineer to the amount of Engineer's fee.
20. Upon written request, each of the parties hereto shall execute and deliver or cause to be executed and delivered, such additional instruments and documents which may be necessary and proper to carry out the terms of this Agreement.
21. The terms and provisions of this Agreement shall not be construed to alter, waive, or affect any lien or stop notice rights, which the Engineer may have for the performance of services under this Agreement.
22. No conditions or representations, altering, detracting from, nor adding to the terms hereof shall be valid unless printed or written hereon or evidenced in writing by either party to this Agreement and accepted in writing by the other.
23. One or more waivers of any term, condition, or covenant by the Engineer shall not be construed by the Client as a waiver of a subsequent breach of the same or any other term, condition or covenant.
24. In the event any provision of this Agreement shall be held to be invalid and unenforceable, the other provisions of this Agreement shall be valid and binding on the parties hereto.
25. Should litigation be necessary to enforce any term or provision of this Agreement, or to collect any portion of the amount payable under this Agreement, then all litigation and collection expenses, witness fees and court costs, and attorney's fees shall be paid to the prevailing party.
26. This Agreement binds Engineer and Client and their successors, assigns, and partners. Neither party shall assign, sublet or transfer his interests, rights or obligations in this Agreement without the written consent of the other party hereto.
27. There are no understandings or agreements except as herein expressly stated.
28. This Agreement shall be construed and enforced in accordance with the laws of the State of Arizona.

INDEMNIFICATION

29. Client shall indemnify and hold harmless Engineer, and all Engineer's agents, employees or sub-consultants from and against any and all claims, costs, losses and damages, including all professional fees, caused in whole or in part by the negligent acts of Client, or Client's agents, employees, or consultants.
30. In addition, Client shall indemnify and hold harmless Engineer, Engineer's agents, employees, and consultants from and against all claims, costs, losses and damages, including professional fees, caused by, arising out of, or relating to the presence, discharge, release or escape of Asbestos, PCBs, Petroleum, Hazardous or Toxic Waste, Radioactive Material, or any other noxious or harmful substance or emission at, on, under, or from the Project site.

ALLOCATION OF RISKS

31. **Exclusion of Special, Incidental, Indirect And Consequential Damages.** To the fullest extent permitted by law, and notwithstanding any other provision in the Agreement to the contrary, Engineer and Engineer's officers, directors, partners, employees, agents and Engineer's consultants shall not be liable to Client for any special, incidental, indirect or consequential damages whatsoever, arising out of, resulting from or in any way related to the Agreement from any cause or causes, including, but not limited to, any such damages caused by negligence, professional errors or omissions, strict liability, breach of contract or warranty express or implied of Engineer and Engineer's officers, directors, partners, employees, agents and Engineer's consultants, or any of them.
32. Client acknowledges that Engineer is providing only professional services as Client's agent in connection with the Work covered by this Agreement. Engineer shall not be deemed an owner, operator, generator, transporter, disposer, or someone who arranges for transport or disposal of hazardous or toxic substances, by reason of its professional services as agent for the Client pursuant to this Agreement.

DISPUTE RESOLUTION

33. All claims, disputes, and other matters arising out of or relating to the Agreement in which the disputed sum is less than \$50,000.00 shall be decided in accordance with the Construction Industry Arbitration Rules of the American Arbitration Association. This agreement so to arbitrate and any other agreement or consent to arbitrate entered into in accordance herewith will be specifically enforceable under the prevailing arbitration law of any court having jurisdiction.

34. The prevailing party in any dispute arising out of or relating to this Agreement will be entitled to recover a reasonable sum in compensation of its attorneys' fees incurred, plus costs of suit, including the reasonable costs of any testifying expert retained for purposes of the dispute.

35. Notwithstanding any other provision of this Dispute Resolution Section to the contrary, Client and Engineer may mutually agree to mediation or some other form of alternative dispute resolution procedure in the event they deem such procedure necessary and appropriate to resolve a dispute. In that event, Client and Engineer shall mutually agree on the terms under which such alternative dispute resolution procedure shall be conducted; the issues to be submitted to such procedure; the time for conducting such procedure; and the coordination of such procedure with any other arbitration or litigation in which the parties may then be involved or contemplating.

36. The award rendered by the arbitrator(s), or any written settlement made by Client and Engineer through mediation or other alternative dispute resolution procedure, shall be final and binding; judgment may be entered upon it in any court having jurisdiction thereof; and it will not be subject to modification or appeal except to the extent permitted by state or federal law concerning the confirmation or modification of arbitration awards.

EXHIBIT "A"

Client: B+F Contracting Inc.
Owner: City of Chandler
Project: Dobson Road & Chandler Blvd Water Main Improvements
Site Address: Chandler Road – From Dobson Rd to North Alma School Rd
Chandler, Arizona

SCOPE OF SERVICES

Entellus will provide the labor, equipment, and materials necessary to perform the following survey work:

1. Staking waterline every 50 feet and at horizontal and vertical fittings.
2. Record as-built survey information to plans as described below and return to Client.

This survey will utilize plans as provided by the Client for the project site and prepared by Dibble, Rev.0, dated February 2023. The Client will need to provide AutoCAD versions of the plans to assist with work.

ESTIMATED PROJECT FEE

Total lump sum fee **\$25,100.00**

Requests to perform re-staking or work otherwise outside this Scope of Services will be billed at the following hourly rates:

Survey CAD Tech- \$90/hour

Survey Crew- \$165/hour

Project Surveyor- \$131/hour

Survey Manager- \$190/hour

Administration Support- \$80/hour

Josh Onstott

From: Amit Satre
Sent: Monday, April 17, 2023 9:27 AM
To: tpooole@atwell-group.com
Cc: Josh Onstott
Subject: RE: B&F Contracting: Chandler Dobson Water Improvement Project - Survey and As-builts

Tim,

Just following up to see if you had an update on the bid proposal for the Chandler Dobson Project. Please let me know if you might have any questions.

Thank you,

NON - Responsive



Amit D. Satre
Assistant Project Manager
Mobile: 602-402-5410 | amit.satre@bfcontracting.com

B&F Contracting, Inc. | 11011 N 23rd Ave, Phoenix, AZ 85029
Office: 623-582-1170 | Fax: 623-582-3761 | www.bfcontracting.com
ROC08974 A | ROC111282 B-4

From: Amit Satre
Sent: Wednesday, April 12, 2023 12:14 PM
To: tpooole@atwell-group.com
Cc: Josh Onstott <jonstott@bfcontracting.com>
Subject: B&F Contracting: Chandler Dobson Water Improvement Project - Survey and As-builts

Tim,

B&F is working on the 100% GMP Cost Model for an upcoming project with City of Chandler. I have attached the 100% plans and specifications for your reference. Can you please review and submit a bid for the Survey and As-builts scope of work? Below is the project information:

Project Name: Dobson Road and Chandler Boulevard Intersection Water Improvements
Project Number: WW2005.403
Project Owner: City of Chandler
Project Contractor: B&F Contracting, Inc.

Please NOTE:

1. Subcontractor will be responsible to submit the as-builts to B&F Contracting, Inc. on the timely basis per the City of Chandler GIS Data Specifications (Attached for reference).
2. Survey for the project will be per B&F's request. Please specify the minimum LF required per survey request. Survey team to locate all valves, any bends, main run (stake at every 50' and provide offsets) and services, etc.
3. We anticipate 500-600 LF per week. Please ensure availability for at least 3-4 days per week. There will be weeks when we will need a surveyor on-site to as built all week.

Due date for submitting the Proposal: **April 13, 2023.**

Please let me know if you might have any questions.

Thank you,



Built on Integrity!

Amit D. Satre

Assistant Project Manager

Mobile: 602-402-5410 | amit.satre@bfcontracting.com

B&F Contracting, Inc. | 11011 N 23rd Ave, Phoenix, AZ 85029

Office: 623-582-1170 | **Fax:** 623-582-3761 | www.bfcontracting.com

ROC08974 A | ROC111282 B-4

Josh Onstott

From: Amit Satre
Sent: Saturday, April 1, 2023 3:56 PM
To: 'jheath@hunterengineeringpc.com'
Cc: Josh Onstott
Subject: B&F Contracting: Chandler Dobson Water Improvement Project - Survey and As-builts
Attachments: Subcontractor RFQ Bid Quantity - Hunter Engineering.pdf; GIS-GPS-DataSpecifications.docx; WW2005.403_Water_90p_Drawings.pdf

NON - Responsive

Good afternoon,

B&F is working on the 100% GMP Cost Model for an upcoming project with City of Chandler. I have attached the 100% plans and specifications for your reference. Can you please review and submit a bid for the Survey and As-builts scope of work? Below is the project information:

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Project Number: WW2005.403

Project Owner: City of Chandler

Project Contractor: B&F Contracting, Inc.

Please NOTE:

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2. Survey for the project will be per B&F's request. Please specify the minimum LF required per survey request. Survey team to locate all valves, any bends, main run (stake at every 50' and provide offsets) and services, etc.
3. We anticipate 500-600 LF per week. Please ensure availability for at least 2-3 days per week, if needed all week.

Due date for submitting the Proposal: **April 05, 2023.**

Please let me know if you might have any questions.

Thank you,



Amit D. Satre
Assistant Project Manager
Phone: (623)-582-1170
Mobile: (602)-402-5410
Email: amit.satre@bfcontracting.com

11011 N 23rd Avenue
Phoenix, AZ 85029
www.bfcontracting.com