

CITY OF BARTLESVILLE, OKLAHOMA
BID SPECIFICATIONS FOR
WATER & WASTEWATER LINE REPAIR MATERIALS
BID NO. 2024-2025-001

I. **GENERAL**

A. **All materials shall be complete with all necessary accessories and appurtenances glands, gaskets, bolts, and other accessories as required.**

B. **No-Lead Brass**

As required in the Federal Government's "Reduction of Lead in Drinking Water Act" all brass valves, fittings, and meter components contained in this bid shall comply with the U.S. Safe Drinking Water Act and the U.S. Environmental Protection Agency requirements.

All fittings and valves shall be manufactured in accordance with the latest revision of AWWA Standard C-800 and as further specified below.

All products supplied in this bid whose wetted surfaces come into contact with potable (drinking) water shall contain no greater than 0.25% maximum lead as a weighted average. Wetted surfaces are those which are in direct contact with potable water. These products are considered to be classified as No-lead, Low Lead, Lead Free, Federalloy, and Envirobrass.

All brass fittings and valves shall have the manufacturers name and an identifying mark signifying the fitting or valve to be constructed of a "No-lead" brass alloy.

Any brass part of the fitting or valve not in contact with potable water shall be made of 85-5-5-5 brass alloy.

All brass valves and fittings shall be certified by an ANSI accredited test lab per ANSI/NSF Standard 61, Drinking Water Components- Health Effects, Section 8. The lead content of the wetted components in contact with potable water shall also be verified by an ANSI accredited test lab. If requested an affidavit certifying compliance with the above standards shall be signed and submitted by the manufacturing firm's Quality Assurance or Engineering Manager.

Proof of certification must be furnished upon request.

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C. Delivery

1. The quantities shown are based on estimates of the City's needs through July 1, 2025 except for larger size pipe. **Pipe 4" in diameter and larger contained in this bid shall be for a one (1) time order to be purchased within 30 days of award.** Subsequent orders shall be bid as needed. The actual quantities purchased may vary from these estimates.
2. Delivery may be shipped in partial quantities requested and as needed by the City. All materials shall be shipped by a method to prevent damage.
3. The price bid shall be F.O.B. Bartlesville, Oklahoma.
4. The **delivery time** and actual delivery schedules shall be as arranged with Owner and **shall not exceed 15 days after order.** Items that cannot be delivered within 15 days of order shall be specified on the bid.
5. Deliveries shall be made between the hours of 7:00 a.m. and 3:30 p.m. Monday through Thursday, and from 7:00 a.m.-10:00 a.m. on Fridays to 1700 SW Adams Boulevard, Bartlesville, OK 74003.

D. Acceptable Manufacturers

1. Wherever materials are specified by manufacturer's names, comparable products of other manufacturers may be considered and may be accepted, if in the opinion of the Owner, the substitute product is equal to or better than the product specified.
2. Requests for such substitutions shall be made in writing and shall be supported by sufficient data to permit a fair evaluation of the proposed substitute with respect to quality or serviceability. The Owner shall be the sole judge as to the acceptability of a proposed substitute.

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E. Bid Award

The City reserves the right to accept or reject any or all bids or portions thereof and shall award to the best bid. **The price quoted shall be good from the date of bid award through July 1, 2025.** The quantities on the bid form are estimates. **The price bid for each item shall be indicated on the bid form provided** Bidders may bid on some or all of the items listed.

II. MATERIALS

SECTION A - PIPE:

A. Pipe

1. The pipe for water lines over 3" diameter, shall be Ductile Iron Class 50, conforming to AWWA C-151 or PVC DR 18 conforming to AWWA C-900 as specified on the bid. Pipe shall be U.L. and N.S.F. listed. The Pipe shall be integral bell push on joint filled with a single rubber gasket and shall conform to the latest revision of AWWA C-111 or C-900.
2. The Ductile Iron pipe interior shall be lined with cement mortar conforming to AWWA C-104. The pipe exterior shall be coated with an asphaltic coating approximately 1 mil. thick conforming to AWWA C-151.
3. Polyethylene Encasement (Poly Wrap) for ductile Iron pipe listed on the materials sheet shall conform to ANSI/AWWA C105/A21.5-93, ASTM D1248-84. The material shall be Type I, Class C Black, Grade E-1. Tensile strength shall exceed 1200 psi minimum and thickness of 8 mils. with elongation of 300% minimum. Flat tube shall have a minimum width of 20 inches or sheeting a minimum width of 40 inches. Sufficient tape shall be supplied with the poly wrap to complete installation. **This item shall be bid by the roll. Please indicate number of feet per roll on bid return sheet.**
4. The pipe for sewer lines 6" in diameter and larger shall be SDR-26 Sewer Pipe conforming to the ASTM-D 3034. The pipe shall be color-coded green and be delivered in 14-foot joints. The pipe shall be integral bell and spigot push joint with a single rubber gasket.
5. Rubber gaskets and sufficient soap shall be provided with the pipe.
6. Polyethylene tubing (PET) shall be 200-psi rated, SDR-9 CTS pipe conforming to AWWA C-901, using PE3408 resin and be N.S.F. listed. Material shall be Driscopipe or approved equal.

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7. Detectable Locator Tape shall be blue plastic film inlaid with a metal film capable of being detected at a depth of 24" or greater with standard pipe locators. The 3" minimum width tape shall be boldly labeled similar to "Caution- Buried Water Line Below."
8. Caution tape shall be a minimum of 3" wide plastic film boldly marked "Caution - Construction Site." Tape shall be bright yellow with block letters and contain UV inhibitors.
9. Wire shall be 500 ft. rolls of size #12 THHN Solid Wire.

SECTION B – DUCTILE IRON FITTINGS:

A. Ductile Iron Fittings

1. Fittings shall be standard ductile iron fittings conforming to AWWA C-110 or compact ductile iron fittings conforming to AWWA C-153. Joints shall be mechanical joints (unless otherwise shown) conforming to AWWA C-111. Pipe and fittings shall be cement mortar lined and seal coated on the interior in accordance with AWWA C-104 and have a 1 mil. minimum exterior asphaltic coating per AWWA C-151.
2. Mega Lugs shall be EBBA Iron Sales, Inc. or approved equal. Restrained mechanical joint fitting glands shall be for C-900 PVC pipe (C.I.O.D.), or Ductile Iron Pipe as specified. **Mega Lugs shall be furnished complete with a bolt kit, which includes gaskets, bolts, and other accessories as required.**

SECTION C – VALVES, HYDRANTS, METERS & BOXES:

A. Valves

1. Valves 4" through 12" shall be resilient wedge valves with mechanical joint ends and shall meet or exceed the latest revision of AWWA C-509. Valves 14" through 24" shall be resilient wedge valves with MJ ends. Valves shall utilize bevel gears for operational functions. The final determination of compliance with this requirement shall be the responsibility of the Director of Water Utilities or his/her designated representative.
2. Valves shall be designed for a minimum working pressure of 200 psi.

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3. The stuffing box shall be accessible without removing the valve from service or removing the bonnet.
4. Operator shall be a standard two-inch square nut and shall open counter clockwise.
5. Valves shall have a non-rising stem constructed of Stainless Steel, AISI 420.
6. The lower quadrant of the valve shall contain no recesses or seats that might trap sediment.
7. Tapping valves shall be furnished complete including a bolt kit, which includes the gaskets, bolts, and pertinent accessories for connection with the tapping saddle.
8. Valve boxes and accessories shall be Tyler Series 6850, screw type, or owner approved equal, lengths shall be as shown.

B. Fire Hydrants

1. Shall be dry barrel type and meet or exceed the requirements of AWWA C-502-85 and be compatible with the existing system. The final determination of compliance with this requirement shall be the responsibility of the Director of Water Utilities or his/her designated representative.
2. Bury length shall be as shown on the bid form.
3. Exposed exterior hydrant parts shall be coated with two coats of Rustoleum enamel or equal. **Caps shall be forest green & include security chains. The body shall be coated with high reflectance silver paint.**
4. Rotation to open shall be counter clockwise.
 - a. Inlet connections shall be:
 - b. Standard 5¼" opening.
 - c. 6" mechanical joint shoe.
5. Outlet connections shall be one 4" pumper nozzle, (N.S.T.) and two 2½" hose nozzles (N.S.T.).
6. Operating and cap nuts shall be a 1-3/16" pentagon.
7. Provide head loss data as specified in AWWA C-502.

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8. Acceptable manufacturers and models:
 - a. Mueller A-423
 - b. Kennedy K-81A
 - c. American B-84B
 - d. U.S. Pipe Metropolitan 250
 - e. AVK Series 2780
 - f. American Darling B-84-B-5
 - f. Owner approved equal

C. Water Sample Stations

1. All interior parts shall be extractable for maintenance without digging.
2. Stations shall have an all brass waterway, 1" pipe minimum, and shall have a 1/2" drain.
3. Acceptable manufacturer is Eclipse Model #88 or owner approved equal.

D. Water Meters and Accessories

(NOT BIDDING THIS YEAR)

E. Meter Boxes, Lids & Accessories

1. Small water meter boxes shall be Carson, Model 2200-18 or approved equal. Alternate boxes will require written approval of the Director of Water Utilities. The boxes shall have an average inside diameter of eighteen inches or greater, and a depth of not less than eighteen inches.
2. Small meter Box lids shall be 12-12 1/4" diameter cast iron lids with a minimum weight of thirteen pounds. Each cast iron lid shall have a 2" diameter opening to allow for a through the lid mounting configuration for a transmitter as part of the City's Advanced Metering Infrastructure. The 2" opening shall have a minimum clearance of 2" from any edge or support rib.

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3. Large meter boxes shall be Carson Model 1730-18 (HDPE). They shall be bid as a complete unit to include plastic lids with 4.5" x 7.5" CI readers and a minimum depth of eighteen inches or approved equal. Each lid shall have a 2" diameter opening to allow for a through the lid mounting configuration for a transmitter as part of the City's Advanced Metering Infrastructure. The 2" opening shall have a minimum clearance of 2" from any edge or support rib.
4. Through the lid flange and nut shall be Neptune upper pit housing (12220-001) and touch pad nut (12222-001) or approved equal. These parts shall fit the 2" opening in the meter lid and are a through the meter lid flange and nut to attach a transmitter for communication with the City's AMI system.

SECTION D – COUPLINGS, CLAMPS, TAPPING SADDLES:

A. Couplings, Clamps & Tapping Saddles

1. The couplings and clamps shown on the bid form are based on Smith-Blair product numbers. Equivalent or superior products, as determined by the Owner, may be substituted.
2. All products shall be designed for potable water system use with a minimum working pressure of 150 psi.
3. Tapping saddles shall be of an all stainless-steel design with a coated carbon steel flange. Gaskets shall be gridded and of a full wrap around design. All saddles must have a test plug.
4. All clamps and couplings shall be for use on materials with cast-iron outside diameters unless otherwise stated.
5. **All bolted couplings shall be supplied with stainless steel bolts, nuts or other hardware.**
6. **Full circle repair clamps shall be of an all stainless steel (ss) design including band, studs, and nuts.** Gaskets shall be gridded and of a full wrap around design.
Redi-clamps will have a full circle smooth gasket, ductile iron lugs, and stainless steel (ss) nuts and bolts.
7. "T" bolts shall be ductile iron or low alloy steel conforming to AWWA C-111.

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SECTION E – BRASS & COPPER FITTINGS & SERVICE SADDLES:

A. Brass and Copper Fittings & Tap Saddles

1. The fittings shown on the bid form are based on Ford or Smith-Blair product numbers. Equivalent or superior products, as determined by the Owner, may be substituted.
2. Fittings shall conform to AWWA C-800 as applicable.
3. Unless otherwise shown, joints shall be “Pack Type” compression joints designed for use with polyethylene tubing meeting Section II, A-6 of the specifications.
4. Service Saddles shall be Smith-Blair 317 series or owner approved equal for use on C-900 PVC pipe. Service Saddles shall be epoxy coated with stainless steel (ss) bands & have cc threads.
5. Connections for setters and other fittings shall use lead-free solder.
6. **Fittings shall include all gaskets, and accessories including saddle nuts for setters.**
7. Self-tapping saddles shall be Continental Fast-Tapp with corporation stops molded into saddle or owner approved equal. Saddles shall be designed for use with Class 150 AWWA C-900 pipe (C.I.O.D.). Service line connections shall be CTS compression.

SECTION F – SANITARY SEWER MATERIALS:

A. Manhole Lids, Cleanout Covers and Gasket Material

1. **Manhole lids** shall be Neenah R-1687, R-1797, R300-24A, or 280-24A as specified on the bid form, or owner approved equal. The cover shall have the words “SANITARY SEWER” and a pick bar cast in the lid. Manholes shall be milled for sealed fit of lid and ring.
2. **Cleanout covers** shall be complete “Tulsa lamphole box and lids” with recessed pick bar as manufactured by Western Iron Works or approved equal.
3. **Preformed plastic gaskets** shall be as manufactured by Henry Company, Sealants Division, their Ram-Neck brand or approved

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equal. Product shall be supplied in strips. Such strip length will be determined by cross section of gasket.

B. Rubber Sewer Couplings

Clay to PVC and PVC to PVC Rubber Sewer Couplings shall be UPC approved elastomeric couplings with stainless steel (ss) bands.

C. Saddle Tee

Saddle tees shall be a minimum SDR 35 with a gasket for the connection to the sewer main and include stainless steel straps for attachment to the main. Rubber saddle tees will not be accepted.

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**IMPORTANT
NOTICE TO ALL VENDORS**

In the past we have had difficulty trying to determine the low bidder for the items listed. This has been primarily due to vendors bidding on items without regard to compliance with specifications. The result has been a wide variety of prices received for the same bid item. This has resulted in an inordinate amount of time being expended to determine the low bid submitted for an item and whether an item does in fact, meet specifications. **Any vendor bidding items, which do not comply with specifications, will be disqualified from the entire bid.** Bids for alternate materials will be accepted, only if the proper documentation is submitted as per the specifications. In addition, some vendors have bid products that they cannot supply within the 15-day delivery time requirement. If a variance from the delivery requirement is required on a particular item, it shall be so noted on the bid form submitted.

**THE MATERIALS SHALL BE COMPLETE WITH ALL NECESSARY
ACCESSORIES AND APPURTENANCES.**

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Mail the bid form with the completed Non-Collusion Affidavit enclosed to:

City of Bartlesville
City Clerk
401 South Johnstone Ave.
Bartlesville, OK 74003

All individual bids are F.O. B. Bartlesville, Oklahoma.

BIDS MUST BE RECEIVED BY 2:00 P.M. ON MONDAY, JUNE 17, 2024.

Include the following:

- 1. Bid Return Sheets – Must be submitted on forms provided**
- 2. Non-collusion Affidavit**
- 3. Any official printed literature which more fully describes the proposed bid item.**

Return this bid in a SEALED ENVELOPE no later than 2:00 P.M. CST, on Bid Opening Date.

On the outside of the envelope state "BID NUMBER". If you send your bid via express or overnight service, please place your bid envelope inside the express pouch.

If you wish to receive a copy of the tabulated bids include with your bid a letter requesting a copy of the bid results that contains an email address where we may forward an electronic copy of the results.

If you have any questions regarding these specifications, please contact Terry Lauritsen, Director of Water Utilities at 918-338-4116.

THE CITY OF BARTLESVILLE RESERVES THE RIGHT TO ACCEPT OR REJECT ANY OR ALL BIDS OR PORTIONS THEREOF.

City of Bartlesville - Water & Wastewater Line Materials

Bid Form - Return Sheet

2024-2025-001

SECTION A:

Item No.	PIPE & TUBING Description	Est. Qty.	Unit Cost	Total Cost
A-1	3/4" PE Pipe C.T.S.	1000 ft.	\$ _____	\$ _____
A-2	1" PE Pipe C.T.S.	500 ft.	\$ _____	\$ _____
A-3	1 1/2" PE Pipe C.T.S.	600 ft.	\$ _____	\$ _____
A-4	2" PE Pipe C.T.S.	3000 ft.	\$ _____	\$ _____
A-5	4" C-900 DR 18	200 ft.	\$ _____	\$ _____
A-6	6" C-900 DR 18	200 ft.	\$ _____	\$ _____
A-7	4" SCH 40 PVC	400 ft.	\$ _____	\$ _____
A-8	6" PVC SDR 26	500 ft.	\$ _____	\$ _____
A-9	8" PVC SDR 26	1000 ft.	\$ _____	\$ _____
A-10	10" PVC SDR 26	100 ft.	\$ _____	\$ _____
A-11	Poly Wrap (bid per roll) _____ft. per Roll	10 rolls	\$ _____	\$ _____
A-12	Caution Tape (bid per roll) _____ft. per roll	10 rolls	\$ _____	\$ _____
A-13	Detectable Locator Tape (bid per roll) _____ft. per roll	5 rolls	\$ _____	\$ _____
A-14	Poly Tape (bid per roll) _____ft. per roll	5 rolls	\$ _____	\$ _____
A-15	#12 Solid Wire THHN 500 ft. rolls (bid per roll)	12 rolls	\$ _____	\$ _____

COMPANY NAME: _____

SECTION B:

Item	Ductile Iron Fittings	Est.	Unit	Total
No.	Description	Qty.	Cost	Cost
B-1	4" Mega Lugs (DIP)	8 ea.	\$ _____	\$ _____
B-2	4" Mega Lugs (PVC) w/ 4 Wedge	8 ea.	\$ _____	\$ _____
B-3	6" Mega Lugs (DIP)	30 ea.	\$ _____	\$ _____
B-4	6" Mega Lugs (PVC) w/6 Wedge	100 ea.	\$ _____	\$ _____
B-5	8" Mega Lugs (DIP)	10 ea.	\$ _____	\$ _____
B-6	8" Mega Lugs (PVC) w/6 Wedge	100 ea.	\$ _____	\$ _____
B-7	14" Mega Lugs (DIP) w/10 Wedge	2 ea.	\$ _____	\$ _____
B-8	14" Mega Lugs (PVC) w/10 Wedge	2 ea.	\$ _____	\$ _____
B-9	6" MJ 11-1/4° Bend	2 ea.	\$ _____	\$ _____
B-10	8" MJ 11-1/4° Bend	2 ea.	\$ _____	\$ _____
B-11	6" MJ 22-1/2° Bend	2 ea.	\$ _____	\$ _____
B-12	8" MJ 22-1/2° Bend	2 ea.	\$ _____	\$ _____
B-13	4" MJ 45° Bend	2 ea.	\$ _____	\$ _____
B-14	6" MJ 45° Bend	15 ea.	\$ _____	\$ _____
B-15	8" MJ 45° Bend	5 ea.	\$ _____	\$ _____
B-16	6" MJ 90° Bend	6 ea.	\$ _____	\$ _____
B-17	8" MJ 90° Bend	3 ea.	\$ _____	\$ _____
B-18	4" MJ Bolt Pack	24 ea.	\$ _____	\$ _____
B-19	4" MJ Plug	2 ea.	\$ _____	\$ _____
B-20	6" MJ Plug	2 ea.	\$ _____	\$ _____
B-21	8" MJ Plug	2 ea.	\$ _____	\$ _____
B-22	4 x 2 MJ Plug	2 ea.	\$ _____	\$ _____
B-23	8 x 6 MJ Reducer	2 ea.	\$ _____	\$ _____
B-24	6 x 6 x 6 MJ Swivel Tee	6 ea.	\$ _____	\$ _____
B-25	8 x 8 x 6 MJ Swivel Tee	4 ea.	\$ _____	\$ _____
B-26	6 x 6 x 6 MJ Straight Tee	6 ea.	\$ _____	\$ _____
B-27	8 x 8 x 6 MJ Straight Tee	4 ea.	\$ _____	\$ _____
B-28	8 x 8 x 8 MJ Straight Tee	4 ea.	\$ _____	\$ _____
B-29	4 x 2 MJ Tapped Plug	2 ea.	\$ _____	\$ _____

COMPANY NAME: _____

SECTION B:

Item No.	Ductile Iron Fittings Description	Est. Qty.	Unit Cost	Total Cost
B-30	6 x 2 MJ Tapped Plug	4 ea.	\$ _____	\$ _____
B-31	8 x 2 MJ Tapped Plug	2 ea.	\$ _____	\$ _____
B-32	4" Solid Sleeves (12" Length)	8 ea.	\$ _____	\$ _____
B-33	6" Solid Sleeves (12" Length)	24 ea.	\$ _____	\$ _____
B-34	8" Solid Sleeves (12" Length)	8 ea.	\$ _____	\$ _____
B-35	10" Solid Sleeves (12" Length)	2 ea.	\$ _____	\$ _____
B-36	3/4" x 4" T Bolts	100 ea.	\$ _____	\$ _____

COMPANY NAME: _____

SECTION C:

Item	Valves, Hydrants, Meters & Boxes	Est.	Unit	Total
No.	Description	Qty.	Cost	Cost
C-1	3" Fire Hydrant Meter	3 ea.	\$ _____	\$ _____
C-2	5 1/4" Fire Hydrant Main Valve, Mueller	8 ea.	\$ _____	\$ _____
C-3	5 1/4" Fire Hydrant Main Valve, Kennedy, KB-10	8 ea.	\$ _____	\$ _____
C-4	5 1/4" Fire Hydrant Repair Kit, Kennedy, KB-10	4 ea.	\$ _____	\$ _____
C-5	5 1/4" Fire Hydrant Repair Kit, U.S.	6 ea.	\$ _____	\$ _____
C-6	Fire Hydrant, 3' Bury	3 ea.	\$ _____	\$ _____
C-7	Fire Hydrant, 3-1/2' Bury	2 ea.	\$ _____	\$ _____
C-8	Fire Hydrant, 4' Bury	2 ea.	\$ _____	\$ _____
C-9	Fire Hydrant, 4-1/2' Bury	3 ea.	\$ _____	\$ _____
C-10	Fire Hydrant, 5' Bury	3 ea.	\$ _____	\$ _____
C-11	Traffic Repair Kits for Mueller (Centurian 022MUA301)	3 ea.	\$ _____	\$ _____
C-12	Large Meter Boxes Complete with Lids (Carson 1730-18 HDPE)	15 ea.	\$ _____	\$ _____
C-13	Small Meter Boxes Complete with Lids (Carson 2200-18)	150 ea.	\$ _____	\$ _____
C-14	Small Meter Boxes (Carson 2200-18)	300 ea.	\$ _____	\$ _____
C-15	Small Meter Box Lids	50 ea.	\$ _____	\$ _____
C-16	Thru the lid flange and nut (Neptune) for attaching AMI antennas	200 ea.	\$ _____	\$ _____
C-17	5-1/4" x 2-1/4" Valve Box Extension	24 ea.	\$ _____	\$ _____
C-18	5-1/4" x 4" Valve Box Extension	20 ea.	\$ _____	\$ _____
C-19	Complete Valve Box, Short Adjustable , 10" Top, 16" Bottom	36 ea.	\$ _____	\$ _____
C-20	Complete Valve Box, Long Adjustable, 16" Top, 24" Bottom	50 ea.	\$ _____	\$ _____
C-21	10" Valve Box Tops	10 ea.	\$ _____	\$ _____
C-22	16" Valve Box Tops	10 ea.	\$ _____	\$ _____
C-23	16" Valve Box Bottoms	10 ea.	\$ _____	\$ _____
C-24	24" Valve Box Bottoms	10 ea.	\$ _____	\$ _____
C-25	3" RW MJ Gate Valve	3 ea.	\$ _____	\$ _____
C-26	4" RW MJ Gate Valve	6 ea.	\$ _____	\$ _____
C-27	6" RW MJ Gate Valve	25 ea.	\$ _____	\$ _____

COMPANY NAME: _____

SECTION C:

Item	Valves, Hydrants, Meters & Boxes	Est.	Unit	Total
No.	Description	Qty.	Cost	Cost
C-28	8" RW MJ Gate Valve	5 ea.	\$ _____	\$ _____
C-29	4" RW Flange x MJ Tapping Valve	1 ea.	\$ _____	\$ _____
C-30	6" RW Flange x MJ Tapping Valve	10 ea.	\$ _____	\$ _____
C-31	8" RW Flange x MJ Tapping Valve	5 ea.	\$ _____	\$ _____
C-32	Water Sample Stations Eclipse #88	5 ea.	\$ _____	\$ _____

COMPANY NAME: _____

SECTION D:

Item No.	Couplings, Clamps, Tapping Sleeves Description	Est. Qty.	Unit Cost	Total Cost
Couplings (Stainless Steel Nuts & Bolts)				
D-1	1" Bolted Coupling	20 ea.	\$ _____	\$ _____
D-2	1-1/2" Bolted Coupling	12 ea.	\$ _____	\$ _____
D-3	2" x 5" Bolted Coupling #411	24 ea.	\$ _____	\$ _____
D-4	3" Bolted Coupling #461 OD 3.46-4.21	2 ea.	\$ _____	\$ _____
D-5	4" Bolted Coupling #461 OD 4.20-5.33	6 ea.	\$ _____	\$ _____
D-6	6" Bolted Coupling #461 OD 6.54-7.65	20 ea.	\$ _____	\$ _____
D-7	8" Bolted Coupling #461 OD 8.54-9.90	15 ea.	\$ _____	\$ _____
D-8	10" Bolted Coupling #462 OD 10.65-12.20	4 ea.	\$ _____	\$ _____
D-9	12" Bolted Coupling #462 OD 12.75-14.40	4 ea.	\$ _____	\$ _____
D-10	3/4" Galv. Comp Coupling #522	36 ea.	\$ _____	\$ _____
D-11	1" Galv. Comp Coupling #522	30 ea.	\$ _____	\$ _____
D-12	2" Galv. Comp. Coupling #522	24 ea.	\$ _____	\$ _____
# 248 Clamps				
D-13	1-1/2" x 3" Clamp #248 SB OD 1.88-1.90	6 ea.	\$ _____	\$ _____
D-14	1-1/2" x 6" Clamp #248 SB OD 1.88-1.90	15 ea.	\$ _____	\$ _____
# 261 Clamps (SINGLE BAND)				
D-15	2"x 7-1/2" Clamp #261 OD 2.35-2.63	5 ea.	\$ _____	\$ _____
D-16	4" x 7-1/2" Clamp #261 OD 4.74-5.41	5 ea.	\$ _____	\$ _____
D-17	4" x 12" Clamp #261 OD 4.74-5.14	5 ea.	\$ _____	\$ _____
D-18	4" x 15" Clamp #261 OD 4.74-5.14	5 ea.	\$ _____	\$ _____
D-19	6" x 7-1/2" Clamp #261 OD 6.56-6.96	2 ea.	\$ _____	\$ _____
D-20	6" x 7-1/2" Clamp #261 OD 6.84-7.24	36 ea.	\$ _____	\$ _____
D-21	6" x 7-1/2" Clamp #261 OD 7.05-7.45	5 ea.	\$ _____	\$ _____
D-22	6" x 12-1/2" Clamp #261 OD 6.84-7.24	20 ea.	\$ _____	\$ _____
D-23	6" x 12-1/2" Clamp #261 OD 7.05-7.45	10 ea.	\$ _____	\$ _____

COMPANY NAME: _____

SECTION D:

Item No.	Couplings, Clamps, Tapping Sleeves Description	Est. Qty.	Unit Cost	Total Cost
# 261 Clamps (SINGLE BAND) Continued				
D-24	6" x 15" Clamp #261 OD 6.56-6.96	2 ea.	\$ _____	\$ _____
D-25	6" x 15" Clamp #261 OD 6.84-7.24	20 ea.	\$ _____	\$ _____
D-26	6" x 15" Clamp #261 OD 7.05-7.45	2 ea.	\$ _____	\$ _____
D-27	8" x 7-1/2" Clamp #261 OD 8.54-8.94	2 ea.	\$ _____	\$ _____
D-28	8" x 7-1/2" Clamp #261 OD 8.99-9.39	15 ea.	\$ _____	\$ _____
D-29	8" x 7-1/2" Clamp #261 OD 9.05-9.39 (Part #90507)	4 ea.	\$ _____	\$ _____
D-30	8" x 12-1/2" Clamp #261 OD 8.54-9.94	10 ea.	\$ _____	\$ _____
D-31	8" x 12-1/2" Clamp #261 OD 8.99-9.39	10 ea.	\$ _____	\$ _____
D-32	8" x 15" Clamp #261 OD 8.54-8.94	2 ea.	\$ _____	\$ _____
D-33	8" x 15" Clamp #261 OD 8.99-9.39	10 ea.	\$ _____	\$ _____
D-34	10" x 15" Clamp #261 OD 11.04-11.44	2 ea.	\$ _____	\$ _____
# 262 Clamps (DOUBLE BAND)				
D-35	6" x 7-1/2" Clamp #262 OD 6.84-7.64	2 ea.	\$ _____	\$ _____
D-36	6" x 15" Clamp #262 OD 6.84-7.64	2 ea.	\$ _____	\$ _____
D-37	8" x 7-1/2" Clamp #262 OD 8.99-9.79	2 ea.	\$ _____	\$ _____
D-38	8" x 15" Clamp #262 OD 8.99-9.79	2 ea.	\$ _____	\$ _____
D-39	10" x 15" Clamp #262 OD 11.10-11.90	2 ea.	\$ _____	\$ _____
D-40	10" x 20" Clamp #262 OD 11.10-11.90	2 ea.	\$ _____	\$ _____
# 264 Clamps				
D-41	6"x7.5"x1" CC Clamp #264 OD 6.84-7.24	20 ea.	\$ _____	\$ _____
D-42	6"x12.5"x1" CC Clamp #264 OD 6.56-6.96	20 ea.	\$ _____	\$ _____
D-43	6"x15"x1" CC Clamp #264 OD 6.84-7.24	20 ea.	\$ _____	\$ _____
# 662 Wet Tap Saddles				
D-44	6" x 4" Wet Tap Saddle CIOD #662	2 ea.	\$ _____	\$ _____
D-45	6" x 6" Wet Tap Saddle Transite Pipe #662	2 ea.	\$ _____	\$ _____
D-46	6" x 6" Wet Tap Saddle CIOD #662	5 ea.	\$ _____	\$ _____
D-47	8" x 6" Wet Tap Saddle CIOD #662	2 ea.	\$ _____	\$ _____
D-48	8" x 8" Wet Tap Saddle CIOD #662	2 ea.	\$ _____	\$ _____

COMPANY NAME: _____

SECTION E:

Item	Brass, Copper, Service Saddles	Est.	Unit	Total
No.	Description	Qty.	Cost	Cost
E-1	3/4" Angle Ball Meter Stop BA13-232W	100 ea.	\$ _____	\$ _____
E-2	3/4" Angle Ball Meter Valve, BA23-332W	50 ea.	\$ _____	\$ _____
E-3	3/4" Angle Ball Meter Valve, BA43-232W	50 ea.	\$ _____	\$ _____
E-4	3/4" Angle Ball Meter Valve BA43-332W	50 ea.	\$ _____	\$ _____
E-5	1" Angle Ball Meter Valve BA43-444W	50 ea.	\$ _____	\$ _____
E-6	1" Angle Key Meter Valve (Female) Stop KV13-444W	50 ea.	\$ _____	\$ _____
E-7	1" Angle Key Meter Valve (Flare) Stop KV23-444W	50 ea.	\$ _____	\$ _____
E-8	1" Angle Key Meter Valve (Comp) Stop KV43-444W	50 ea.	\$ _____	\$ _____
E-9	1-1/2" Ball Valve Curb Stop B11-666W	6 ea.	\$ _____	\$ _____
E-10	2" Ball Valve Curb Stop B11-777-W	6 ea.	\$ _____	\$ _____
E-11	3/4" Ball Corp Stop FB-1000-3	100 ea.	\$ _____	\$ _____
E-12	1" Ball Corp Stop FB-1000-4	50 ea.	\$ _____	\$ _____
E-13	1-1/2" Ball Corp Stop FB-1000-6	10 ea.	\$ _____	\$ _____
E-14	2" Ball Corp Stop FB-1000-7	15 ea.	\$ _____	\$ _____
E-15	3/4" Insert, #51	500 ea.	\$ _____	\$ _____
E-16	1" Insert, #52	500 ea.	\$ _____	\$ _____
E-17	1.5" Insert, #54	300 ea.	\$ _____	\$ _____
E-18	2" Insert, #55	300 ea.	\$ _____	\$ _____
E-19	3/4" x 1" A-24 Adapters	50 ea.	\$ _____	\$ _____
E-20	3/4" Pack Joint Coupling C-14-33	75 ea.	\$ _____	\$ _____
E-21	3/4" Pack Joint Coupling C-84-33	100 ea.	\$ _____	\$ _____
E-22	3/4" Pack Joint Coupling L-84-33	100 ea.	\$ _____	\$ _____
E-23	3/4" Pack Joint Coupling C-44-33	75 ea.	\$ _____	\$ _____
E-24	3/4" Pack Joint Coupling L-14-33	50 ea.	\$ _____	\$ _____
E-25	1" Pack Joint Coupling C-14-44	50 ea.	\$ _____	\$ _____
E-26	1" Pack Joint Coupling C-84-44	50 ea.	\$ _____	\$ _____

COMPANY
NAME: _____

SECTION E:

Item	Brass, Copper, Service Saddles	Est.	Unit	Total
No.	Description	Qty.	Cost	Cost
E-27	1" Pack Joint Coupling C-44-44	50 ea.	\$ _____	\$ _____
E-28	1" Pack Joint Coupling L-14-44	50 ea.	\$ _____	\$ _____
E-29	1" Pack Joint Coupling L-84-44	50 ea.	\$ _____	\$ _____
E-30	1 1/2" Pack Joint Coupling C-14-66	12 ea.	\$ _____	\$ _____
E-31	1 1/2" Pack Joint Coupling C-44-66	12 ea.	\$ _____	\$ _____
E-32	1 1/2" Pack Joint Coupling C-84-66	12 ea.	\$ _____	\$ _____
E-33	1 1/2" Pack Joint Coupling L-84-66	12 ea.	\$ _____	\$ _____
E-34	2" Pack Joint Coupling C-14-77	12 ea.	\$ _____	\$ _____
E-35	2" Pack Joint Coupling C-44-77	12 ea.	\$ _____	\$ _____
E-36	2" Pack Joint Coupling C-84-77	18 ea.	\$ _____	\$ _____
E-37	2" Pack Joint Coupling L-14-77	12 ea.	\$ _____	\$ _____
E-38	2" Pack Joint Coupling L-44-77	12 ea.	\$ _____	\$ _____
E-39	2" Pack Joint Coupling L-84-77	12 ea.	\$ _____	\$ _____
E-40	3/4"x3/4"x3/4" Comp Tee T-444-333	12 ea.	\$ _____	\$ _____
E-41	1"x1"x1" Comp Tee T-444-444	12 ea.	\$ _____	\$ _____
E-42	1" x 3/4" Brass Bushing CC Thread	100 ea.	\$ _____	\$ _____
E-43	1-1/2" x 1" Brass Bushing CC Thread	12 ea.	\$ _____	\$ _____
E-44	2" x 1-1/2" Brass Bushing CC Thread	12 ea.	\$ _____	\$ _____
E-45	3/4 "x 3" Brass Nipple	12 ea.	\$ _____	\$ _____
E-46	1" x 3" Brass Nipple	12 ea.	\$ _____	\$ _____
E-47	1-1/2" x 3" Brass Nipple	12 ea.	\$ _____	\$ _____
E-48	2" x 3" Brass Nipple	12 ea.	\$ _____	\$ _____
E-49	2" x 6" Brass Nipple	12 ea.	\$ _____	\$ _____
E-50	3/4" Copper Setter VB72-12W-44-33	50 ea.	\$ _____	\$ _____
E-51	1" Copper Setter VB74-12W-44-44	50 ea.	\$ _____	\$ _____
E-52	1 1/2" Copper Setter VBB76-15B-44-66	12 ea.	\$ _____	\$ _____

COMPANY
NAME: _____

SECTION E:

Item No.	Brass, Copper, Service Saddles Description	Est. Qty.	Unit Cost	Total Cost
E-53	2" Copper Setter VBB77-15B-44-77	12 ea.	\$ _____	\$ _____
E-54	Service Saddle 2" x 1" CC	12 ea.	\$ _____	\$ _____
E-55	Service Saddle 4" x 3/4" CC	6 ea.	\$ _____	\$ _____
E-56	Service Saddle 4" x 1" CC	6 ea.	\$ _____	\$ _____
E-57	Service Saddle 4" x 1-1/2" CC	6 ea.	\$ _____	\$ _____
E-58	Service Saddle 4" x 2" CC	6 ea.	\$ _____	\$ _____
E-59	Service Saddle 6" x 3/4" CC	12 ea.	\$ _____	\$ _____
E-60	Service Saddle 6" x 1" CC	50 ea.	\$ _____	\$ _____
E-61	Service Saddle 6" x 1-1/2" CC	6 ea.	\$ _____	\$ _____
E-62	Service Saddle 6" x 2" CC	6 ea.	\$ _____	\$ _____
E-63	Service Saddle 8" x 3/4" CC	6 ea.	\$ _____	\$ _____
E-64	Service Saddle 8" x 1" CC	50 ea.	\$ _____	\$ _____
E-65	Service Saddle 8" x 1-1/2" CC	6 ea.	\$ _____	\$ _____
E-66	Service Saddle 8" x 2" CC	6 ea.	\$ _____	\$ _____

COMPANY
NAME: _____

SECTION F:

Item No.	Sanitary Sewer Materials Description	Est. Qty.	Unit Cost	Total Cost
Manhole Frames, Covers & Gasket				
F-1	8" Manhole Frame & Lid #R1687	5 ea.	\$ _____	\$ _____
F-2	7" Manhole Frame & Lid #R1797	10 ea.	\$ _____	\$ _____
F-3	5" Manhole Frame & Lid #300-24A	10 ea.	\$ _____	\$ _____
F-4	Manhole Frame & Lid Flat top 280-24A	10 ea.	\$ _____	\$ _____
F-5	Tulsa Lamp Hole Box & Lid	10 ea.	\$ _____	\$ _____
Sewer Couplings (INDIANA SEAL ONLY)				
F-6	4" Rubber Sewer Coupling PVC to PVC	25 ea.	\$ _____	\$ _____
F-7	4" Rubber Sewer Coupling Clay to PVC	50 ea.	\$ _____	\$ _____
F-8	6" Rubber Sewer Coupling PVC to PVC	20 ea.	\$ _____	\$ _____
F-9	6" Rubber Sewer Coupling Clay to PVC	40 ea.	\$ _____	\$ _____
F-10	8" Rubber Sewer Coupling PVC to PVC	30 ea.	\$ _____	\$ _____
F-11	8" Rubber Sewer Coupling Clay to PVC	100 ea.	\$ _____	\$ _____
F-12	10" Rubber Sewer Coupling PVC to PVC	12 ea.	\$ _____	\$ _____
F-13	10" Rubber Sewer Coupling Clay to PVC	24 ea.	\$ _____	\$ _____
F-14	12" Rubber Sewer Coupling PVC to PVC	12 ea.	\$ _____	\$ _____
F-15	12" Rubber Sewer Coupling Clay to PVC	12 ea.	\$ _____	\$ _____
Fittings & Tap Saddles				
F-16	4" PVC 45° Elbow SCH 40 DWV	100 ea.	\$ _____	\$ _____
F-17	4" PVC 22 1/2° Elbow SCH 40 DWV	24 ea.	\$ _____	\$ _____
F-18	6" PVC 45° Elbow w/gasket SDR 26	12 ea.	\$ _____	\$ _____
F-19	8" PVC 45° Elbow w/gasket SDR 26	12 ea.	\$ _____	\$ _____
F-20	6x4 SDR 35 Saddle Tee, Gasket Skirt with SS Straps, Sch 40 SW Branch	20 ea.	\$ _____	\$ _____
F-21	8x4 SDR 35 Saddle Tee, Gasket Skirt with SS Straps, Sch 40 SW Branch	40 ea.	\$ _____	\$ _____
F-22	10x4 SDR 35 Saddle Tee, Gasket Skirt with SS Straps, Sch 40 SW Branch	20 ea.	\$ _____	\$ _____
F-23	12x4 SDR 35 Saddle Tee, Gasket Skirt with SS Straps, Sch 40 SW Branch	12 ea.	\$ _____	\$ _____

SECTION F:

Item No.	Sanitary Sewer Materials Description	Est. Qty.	Unit Cost	Total Cost
F-24	1 1/2" Preformed Flex Plastic - Gasket (RAM-NEK ONLY)	10 bxs.	\$ _____	\$ _____
F-25	<u>ROMAC</u> Tap Saddle CB 4" Outlet Fits 6" to 12" Pipe	12 ea.	\$ _____	\$ _____
F-26	<u>ROMAC</u> Tap Saddle CB 6" Outlet Fits 6" to 12" Pipe	12 ea.	\$ _____	\$ _____
F-27	4" Rubber Test Cap	20 ea.	\$ _____	\$ _____
F-28	5" Rubber Test Cap	20 ea.	\$ _____	\$ _____
F-29	3" PVC Pop Up Clean Out Caps	20 ea.	\$ _____	\$ _____
F-30	4" PVC Pop Up Clean Out Caps	20 ea.	\$ _____	\$ _____

Company:

Contact Person:

Email:

Address:

City:

State:

Zip:

Phone:
