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**ADDENDUM NO. 1**

**Livingston County Water and Sewer Authority  
2026 Water and Sewer Construction & Maintenance Materials Bid**

Date: December 30, 2025

**REVISIONS TO THE BID SPECIFICATIONS:**

1. Replace the Bid Specifications attached for the following Materials:
  - a. Corporations Stops
  - b. Curb Stops
  - c. Curb Boxes
  - d. Tapping Saddles
  - e. Valve Boxes
2. Replace the Bidding Price Sheet for the Water Materials with the attached.

**CLARIFICATIONS:**

1. Residential water service dual check valves to be female x female iron pipe thread.
2. Additional manufacturers have been included for Curb Stops including Mueller, Ford, AY McDonald, or approved equal are acceptable.
3. The 1" x 3/4" reducers are to be brass threaded reducers for residential water meters.
4. All materials can be imported or domestic.
5. Curb Boxes to be 1" diameter, 5' bury with two-hole lid and 29" -35" rods.
6. Standard watermain valve box to be 2-piece screw type with lid.
7. Tapping Saddles to be double strap brass (no stainless-steel straps).
8. Meter pits shall be Mueller Thermal Coil (15" and 18" Diameter) with touch read cover and insulated pad.
9. Water main repair clamps shall fit multiple ODs for the multiple pipe materials as listed and shall be stainless steel w/ alloy bolts, most all manufacturers all acceptable.

END OF ADDENDUM NO. 1

**LIVINGSTON COUNTY WATER AND SEWER AUTHORITY**  
**WATER & SEWER CONSTRUCTION & MAINTENANCE MATERIALS**  
**BID SPECIFICATION**

not reduce strength nor otherwise damage product. Include the following markings applied at intervals not more than 5 feet:

1. Nominal Size,
2. Standard PE code designation,
3. Dimension ratio, diameter base and the word "Tubing",
4. AWWA pressure class,
5. AWWA designation number, C901,
6. Manufacturer's name or trademark and production record code,
7. Seal, or mark, of the testing agency that certified that suitability of pipe or tubing material for potable water products.

B. Tracing wire for plastic services: plastic coated 10-gauge single strand copper wire.

## **CORPORATION STOPS**

### **A. Material**

1. All service brass will comply with AWWA C-800. Components in contact with potable water will also comply with the latest requirements of the Federal Safe Drinking Water Act, with ground key, ball or cylinder plug construction, AWWA CC inlet threads and compression outlet.

### **B. Manufacturers:**

1. Mueller
2. Ford
3. AY McDonald
4. Or approved equal.

## **CURB STOPS**

### **A. Material**

1. All service brass will comply with AWWA C-800. Components in contact with potable water will also comply with the latest requirements of the Federal Safe Drinking Water Act with ground key, ball or cylinder plug valve type with compression inlet and compression or iron pipe female outlet as required.

### **B. Manufacturers:**

1. Mueller
2. Ford
3. AY McDonald
4. Or approved equal.

**LIVINGSTON COUNTY WATER AND SEWER AUTHORITY  
WATER & SEWER CONSTRUCTION & MAINTENANCE MATERIALS  
BID SPECIFICATION**

**CURB BOXES: 1-INCH**

**A. Design**

1. Curb box: arch pattern extension type with a 5½-foot bury. Bottom section arch must fit 3/4-inch and 1-inch ball valve curb stop, with a 1-inch upper section.
2. Lids: cast-iron with a threaded brass sleeve insert and brass pentagon head plug. "WATER" cast in raised letters on the lid.
3. Curb rods: 29 -35-inch length stainless steel rod.
4. Cotter Pin: brass.

**B. Manufacturers:**

1. Mueller
2. Ford
3. Or approved equal.

**CURB BOXES - ENLARGED BASE**

**A. Design**

1. Adaptable with lower section of 1-inch arch pattern curb boxes and sized to fit over 1½-inch and 2-inch ball curb stops manufactured by A.Y. McDonald, Ford, Hays and Mueller.

**B. Manufacturers:**

1. Mueller
2. Ford
3. Bingham & Taylor
4. Or approved equal.

**TAPPING SADDLES FOR SERVICES ON PVC, DUCTILE IRON, CAST IRON AND ASBESTOS CEMENT MAINS.**

**A. Design**

1. Body: metal alloy red brass 85-5-5-5 in accordance with chemical and mechanical requirements of ASTM B-62 and AWWA C800. Strap nuts fabricated of the same brass alloy, with straps made of flattened silicon bronze.
2. Outlet: AWWA Standard CC female thread.
3. Gasket: BUNA-N rubber, as per ASTM-D2000 80M5 BG506.

**B. Manufacturers:**

1. Ford
2. Jones
3. Romac
4. Or approved equal.

**LIVINGSTON COUNTY WATER AND SEWER AUTHORITY  
WATER & SEWER CONSTRUCTION & MAINTENANCE MATERIALS  
BID SPECIFICATION**

**BRASS SERVICE COUPLINGS**

- A. Design
  - 1. Fabricated from metal alloy red brass 85-5-5 in accordance with the chemical and mechanical requirements of ASTM B62, with compression inlet and outlet.
- B. Manufacturers:
  - 1. Copper to copper, plastic tubing to plastic tubing or plastic tubing to copper:
    - a. Mueller
    - b. Ford
    - c. Or approved equal.
  - 2. Copper or plastic tubing to iron pipe:
    - a. Ford
    - b. A.Y. McDonald
    - c. Or approved equal.
  - 3. Iron pipe to iron pipe:
    - a. Ford
    - b. A.Y. McDonald
    - c. Or approved equal.
  - 4. Female iron pipe thread to copper or plastic tubing:
    - a. Mueller
    - b. Or approved equal.

**STEEL SERVICE COUPLINGS**

- A. Design
  - 1. Body: steel, useable length 5-inch, gasket-armored, painted shop coat for repairing iron or galvanized pipe.
- B. Manufacturers:
  - 1. Iron pipe to iron pipe:
    - a. Dresser: Style 90, with armored gaskets
    - b. Grinnell Mechanical 705, 716, or 772
    - c. or approved equal

**BRASS SERVICE FITTINGS**

- A. All brass components in contact with potable water must be made from either CDA/ UNS Brass Alloys C89520 or C89833 with a maximum lead content of 0.25% by weight.
- B. All fittings shall be stamped or embossed with a mark or name indicating that the product is manufactured from the low-lead alloy.

**LIVINGSTON COUNTY WATER AND SEWER AUTHORITY  
WATER & SEWER CONSTRUCTION & MAINTENANCE MATERIALS  
BID SPECIFICATION**

**RESILIENT-WEDGE GATE VALVES, THREE-INCH THROUGH TWENTY-FOUR INCH  
DIAMETER**

**A. Standards**

1. 3-inch through 12-inch diameter
  - a. ANSI/AWWA C509, including factory production testing.
2. 14-inch through 24-inch diameter
  - a. ANSI/AWWA C515, including factory production testing.

**B. Design Options**

1. Non-rising stem.
2. Counterclockwise direction of opening.
3. Mechanical joint ends.
4. Double O-ring stem seal.
5. Two-inch square operating nut.
6. Flax stuffing box packing conforming to Federal Specification HH-P-106d.
7. 304 stainless steel body and bonnet bolts.

**C. Manufacturers**

1. Kennedy.
2. Mueller.

**TAPPING VALVES**

**A. Standards**

1. ANSI/AWWA C509.

**B. Design Options**

1. Conform to 2.01B of this section, except 2.01 B.3.
2. Flange by mechanical joint ends.
3. Raised male face on tapping flange for alignment with tapping sleeve.

**C. Flange Bolts**

1. 304 stainless steel.

**D. Manufacturers**

1. Mueller.

**EXTENSION STEMS**

**A. Standards**

**LIVINGSTON COUNTY WATER AND SEWER AUTHORITY**  
**WATER & SEWER CONSTRUCTION & MAINTENANCE MATERIALS**  
**BID SPECIFICATION**

1. Stem material: fiberglass, 2-inch O.D. square tubing.
2. End unit material: PVC, with centering device on upper end unit.
3. Adhesive: Hard-drying, clear silicone.

**B. Manufacturers**

1. Pipeline Products: FPU 210, FPT 200 and FPL 220.
2. Fabricated Piping Solutions.
3. Or approved equal.

**VALVE BOXES**

**A. Standards**

1. Boxes shall be 5-1/4-inch diameter.
2. All box tops shall have the word "Water" casted into them.
3. Regular Valve Box: 2-piece screw type with lid.

**MECHANICAL JOINT RESTRAINT**

**A. Specifications**

1. MJ rubber gasket per ANSI/AWWA C111.
2. Restraint (gripper) mechanism shall be hardened stainless steel gripping teeth welded to gripper gland or ductile iron gripping wedges heat-treated to a minimum hardness of 370 BHN with twist-off activation nuts.
3. Glands shall be made of ductile iron.
4. 350 psi operating pressure.
5. Bolts: All bolts provided shall be fluorocarbon coated T-bolts and nuts.
6. Capable of being disassembled.
7. Glands which closely resemble standard MJ glands shall be painted yellow.
8. Approved for use as a temporary restraint system only on ductile iron pipe, 4-inch through 24-inch, inclusive. Use of mechanical joint restraints in place of permanent concrete thrust blocks is not allowed.

**B. Manufacturers**

1. EBAA Iron Sales, Inc. Product: MEGALUG.
2. Ford Meter Box Company Product: Uni-Flange, Series 1400-4.
3. Or approved equal.

**HYDRANTS & HYDRANT BRANCHES**

**A. Hydrants**

1. Standard:
  - a. ANSI/AWWA C502 - Dry Barrel fire hydrants.
2. 5 $\frac{1}{4}$  inch valve opening.

**~ WATER MAIN ~**  
**BIDDING SHEET**  
**LIVINGSTON COUNTY WATER & SEWER AUTHORITY**

Item	Anticipated QTY	Unit Cost	Price Extended based on Anticipated Quantity	Approximate lead time if more than 2 weeks
<b>Water Service and Meter Fittings</b>				
3/4" Dual Check Valve	150			
1" Dual Check Valve	2			
15" Diameter Mueller Thermal Coil Meter Pit w/ cover, insulated pad, and dual check valve	20			
18" Diameter Mueller Thermal Coil Meter Pit w/ cover, insulated pad, and dual check valve	4			
Meter Pit Cover only	1			
15" Diameter Meter Pit 6" Risers	2			
15" Diameter Meter Pit 12" Risers	1			
3/4" Ball Curb Stop Compression (No Lead)	20			
3/4" Ball Corp CC X Compression (No Lead)	20			
1" Ball Curb Stop Compression (No Lead)	10			
1" Ball Corp CC X Compression (No Lead)	10			
3/4" Compression X Compression Coupling	30			
1" Compression X Compression Coupling	10			
3/4" X 1" Compression Coupling	10			
1" to 3/4" Reducer	10			
Category Total:				
<b>Curb Boxes &amp; Parts</b>				
Curb Box 5' bury depth, complete with 2-hole Lid and 29" SS S-rod	60			
Curb Box Base (for 1-1/2" and 2" curb stop)	2			
2-hole lid	10			
3" Riser for a 1" curb box	12			
6" Riser for a 1" curb box	12			
9" Riser for a 1" curb box	12			
12" Riser for a 1" curb box	12			
Category Total:				
<b>Double Strap Brass Tapping Saddles</b>				
4" X 3/4" for PVC/DIP	1			
4" X 1" for PVC/DIP	1			
6" X 3/4" for PVC/DIP	1			
6" x 1" for PVC/DIP	1			
8" x 3/4" for PVC/DIP	2			
8" x 1" for PVC/DIP	1			
8" x 2" for PVC/DIP	1			
12" x 3/4" for PVC/DIP	6			
12" x 1" for PVC/DIP	2			
12" x 1.5" for PVC/DIP	1			
12" x 2" for PVC/DIP	1			
Category Total:				
<b>Water Service Tubing Copper Tube Size (CTS)</b>				
3/4" x 100 ft - 200 psi Poly Tube	4			
1" x 100 ft - 200 psi Poly Tube	2			
2" x 100 ft - 200 psi Poly Tube	1			
3/4" SS Insert CTS Poly	100			
1" SS Insert CTS Poly	100			
Category Total:				

Item	Anticipated QTY	Unit Cost	Price Extended based on Anticipated Quantity	Approximate lead time if more than 2 weeks
<b>Hydrants</b>				
5.25 k81 Hydrant 3W NST 5'B 6MJ (Yellow)	5			
5.25 k81 Hydrant 3W NST 6'B 6MJ (Yellow)	5			
Fiberglass Hydrant markers - 5 ft x 3/8" with bolt mount hardware	10			
6" Riser	1			
12" Riser	1			
18" Riser	1			
24" Riser	1			
Category Total:				
<b>Valves and Valve Box Parts</b>				
5-1/4" Screw-type Valve Box Complete	16			
5-1/4" x 1" Riser	2			
5-1/4" x 2" Riser	2			
5-1/4" x 4" Riser	2			
5-1/4" x 6" Riser	2			
5-1/4" Valve Box Lid "WATER"	6			
Gate Valve 6" MJ	1			
Gate Valve 8" MJ	1			
Gate Valve 12" MJ	1			
Category Total:				
<b>Water Main Repair Clamps/Bands/Couplings - Stainless Steel</b>				
6" POLYVINYL CHLORIDE PIPE (PVC DR 18)	20 LF			
8" POLYVINYL CHLORIDE PIPE (PVC DR 18)	20 LF			
10" POLYVINYL CHLORIDE PIPE (PVC DR 18)	20 LF			
12" POLYVINYL CHLORIDE PIPE (PVC DR 18)	20 LF			
16" POLYVINYL CHLORIDE PIPE (PVC DR 18)	20 LF			
4" Hymax Coupling	1			
6" Hymax Coupling	1			
8" Hymax Coupling	1			
10" Hymax Coupling	1			
12" Hymax Coupling	1			
16" Hymax Coupling	1			
4" x 12" for PVC/DIP	1			
4" x 20" for PVC/DIP	1			
6" x 12" for PVC/DIP/Transite	1			
6" x 15" for PVC/DIP/Transite	1			
6" x 20" for PVC/DIP/Transite	1			
8" x 15" for PVC/DIP/Transite	1			
8" x 20" for PVC/DIP/Transite	1			
10" x 15" for PVC/DIP/Transite	1			
10" x 20" for PVC/DIP/Transite	1			
12" x 12" for PVC/DIP/Transite	1			
12" x 15" for PVC/DIP/Transite	1			
12" x 20" for PVC/DIP/Transite	1			
12" x 24" for PVC/DIP/Transite	1			
Category Total:				

Company Name

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Date

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