LIVINGSTON COUNTY
WSA
WATER & SEWER AUTHORITY

Executive Director
Jason Molino

Deputy Director
Lauren Monaghan

Livingston County Water & Sewer Authority

Water & Sewer Construction & Maintenance Materials Bid

2027 Procurement Contract

Deadline: **Thursday December 3, 2026 @ 2:00 pm**

Designated Contact:

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LCWSA
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Livingston County Water & Sewer Authority
WATER & SEWER CONSTRUCTION & MAINTENANCE MATERIALS
BID SPECIFICATION

The Livingston County Water and Sewer Authority (The Authority / LCWSA) hereby requests written bids for Water and Sewer materials and parts which shall meet the minimum requirements as described with the following pages.

General Provisions

Pursuant to the State Finance Law sections 139-j and 139-k, this Invitation for Bid includes and imposes certain restrictions on communications between the Authority and an Offerer/Bidder during the procurement process. An Offerer/Bidder is restricted from making contacts from the earliest notice of intent to solicit Invitation for Bid through the final award and approval of Procurement Contract by the Authority to other than the Authorities Designated Contact Person unless it is a contact this is among certain statutory exceptions set forth in State Finance Law section 139-j(3)(a).

The Authorities Designated Contact Person, as of the date hereof is Lauren Monaghan, Deputy Executive Director and is identified on the first page of these Bid Specifications. Authority employees are also required to obtain certain information when contacted during the restricted period and make a determination of the responsibility of the Offerer/Bidder pursuant to these two statutes. Certain findings of non-responsibility can result in rejection for contract award and in the event of two findings within a four-year period the Offerer / Bidder is debarred from obtaining governmental Procurement Contracts.

Further information about these requirements must be obtained from the Designated Contact Person.

The Authority requires that each bid submitted shall show the gross selling price, excluding Federal Excise and Sales Tax for Common Water Service, Watermain, and Sewer Repair Parts.

Each bidder is required to review the specifications as published and complete the bid package as requested. The bidder shall list on the bid proposal form any deviations, exceptions or variations to the conditions and specifications of this bid in sufficient detail to allow the Authority to compare and evaluate said exceptions.

All bids shall be submitted on the attached Bid Proposal Form, with all blanks fully and clearly filled in. No other form of bid will be considered.

Prices and information required by the proposal shall be typed or written in ink, the signature of the bidder shall also be in ink, and bids submitted in pencil may be rejected. The Authority Board shall interpret or reject illegible or vague bids and the Board's decision shall be final. All signatures must be signed in ink.

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Each bid will be received with the understanding that the acceptance thereof in writing by the Board, to furnish any or all of the items described therein, shall constitute a contract between the bidder and the Authority.

It is mutually understood and agreed that the bidder shall not assign, transfer, convey, sublet or otherwise dispose of the contract or of his right, title or interest therein, or his power to execute such contract to any other person, company or corporation without the previous consent, in writing, of the Authority.

The bidder acknowledges that he is familiar with Article 5-A of the General Municipal Law and agrees to be bound by and to comply with the provisions thereof.

Questions are to be directed in writing to the Lauren Monaghan by E-mail at lmonaghan@lcwsa.us or permits@lcwsa.us no later than Friday, November 13, 2026, at 4 p.m.

Standard items appearing in the manufacturer's published specifications furnished by the bidder shall be included in the bid unless otherwise noted. **Bidders must submit with their bid the latest printed specification sheet and advertising literature relevant to this bid**. The data provided shall enable the Authority the opportunity to determine whether the equipment bid complies with the intent of the specifications as set forth by the Board.

Bidder declares that the bid is made without any connection with any other bidder submitting a bid for the same item and is in all respects fair and without collusion or fraud. A signed Non-Collusive Bidding Certificate, a Bidders Affirmation of Understanding and Agreement/Certification of Compliance and an Offer of Disclosure of Prior Non-Responsibility Determinations are all required with the bid submission. Copies of all these forms are attached.

Bidders are cautioned to verify their bids before submission. Bids, amendments, or requests for withdrawal of submitted bids received by the Authority after the time specified for opening will not be considered.

All bids must be placed in a sealed envelope, addressed to the Livingston County Water and Sewer Authority located at 1997 D'Angelo Drive, Lakeville, New York 14568. The envelope shall be marked 'SEALED BID / 2027 Water and Sewer Materials Bid' **All bids must be received by 2:00 p.m. on Thursday, December 3, 2026,** at which time they will be publicly opened and read at the Authority main office at.

Awards will be made to the lowest responsible bidder for **each category** as shown on the Bid Proposal Form as will best promote the public interest, taking into consideration the reliability of the bidder, the quality of the materials, equipment or supplies to be furnished, their conformity with specifications, the purpose for which required, terms of the delivery and availability of parts "in stock."

The decision with respect to the submitted bids will be made at the Board's discretion and all bids submitted shall be kept firm and in full force and effect until such date or until a decision is made by the Authority Board.

LIVINGSTON COUNTY WATER AND SEWER AUTHORITY
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The Authority shall reserve the right to waive any informalities or to reject any or all bids and have the ability to award to other than the low bidder based on compliance with this specification.

It is the intent of this bid to provide the Authority with organized procurement of common materials used over the period of a year. Bids will be awarded by category with the lowest responsible bidder for the total of unit prices in each category receiving the award.

The Authority is seeking prices for a one-year contract, renewing for an additional 3 years upon mutual consent. The one-year period is anticipated to start on January 1, 2027, assuming the Authority Board awards the bid(s) at the December 2026 board meeting. Quantities listed are an **estimate** of what the Authority might use for one year based on our last year's usage history. The Authority has made the best reasonable effort to estimate its use of these materials but may exceed the number specified or fail to purchase the number of items specified. All material will be ordered on an as-needed basis.

All prices shall include delivery to the Authority's D'Angelo Drive, Lakeville, location. **Products that will require a lead time of more than two weeks must be noted with the anticipated lead time.**

A request for price change shall be considered by the Authority upon written notice from the manufacturer and the winning bidder, such written notice to be received by the Authority at least 45 days prior to the anticipated price change (the "Price Change Request".) If the Price Change Request is approved by the Authority, it will take effect at that time for future orders by the Authority and not retroactively. The Price Change Request shall not be greater than the increased costs incurred by the manufacturer, and in no event shall the Price Change Request be greater than five (5) percent of the contract price.

In the event that any of the materials, equipment or supplies become unavailable to the winning bidder of that material during the one-year period, due to discontinuation by the manufacturer, the winning bidder shall submit specifications of potential alternate materials, equipment or supplies. If the newly submitted specifications are not acceptable to the Authority, the Authority may then award the bid for that material to the next lowest responsible bidder who can supply an acceptable product at their bid price.

ATTACHMENTS

1. LCWSA Standard Water & Sewer Details

2. Price Proposal Sheets (3 pages total) **

3. Livingston County Water & Sewer Authority Compliance with NYS Finance Law Section 139-j and 139-k ("Lobbying Law") **

*** Contractor shall fill in and sign these documents and submit to LCWSA as his/her completed proposal***

The bidder hereby quotes the following prices for water and sewer materials as listed below, subject to the following conditions and specifications:

DUCTILE IRON PIPE

A. Pipe Specifications
   1. Pipe: ANSI/AWWA C151.
   2. Joints: ANSI/AWWA C111, rubber gasket.
   3. Cement Lined: ANSI/AWWA C104.
   4. Wall thickness: Class 52 minimum

B. Fittings Specifications
   1. Fittings: ANSI/AWWA C110 (full body) or ANSI/AWWA C153 (compact).
   2. Joints: ANSI/AWWA C111, rubber gasket, mechanical joint, unless otherwise specified.
   3. Cement Lined: ANSI/AWWA C104.

C. Manufacturers
   1. Tyler Union
   2. Clow
   3. Or approved equal

POLYVINYLCHLORIDE (PVC) DR-18 PIPE

A. The pipe shall conform to the requirements of AWWA C-900, latest revision and shall carry the NSF seal and the UL seal. The pipe shall be JM Eagle Blue Brute, equivalent as manufactured by North American Pipe Corporation, or approved equivalent. The PVC compounds used in the manufacturer of this pipe shall meet the requirements of ASTM D-1784 for compound 12454-B.

B. Reference: ASTM D1785 (current year) Pipe; ASTM D1784 (current year) Material.

C. Thickness as required in AWWA C-900.

D. Fittings: DIP fittings wrapped with 8 mil thick polyethylene 2 feet beyond each end of the fitting are to be used on all PVC pipe.

E. Joints: Push-on with neoprene rubber gaskets, meeting the requirements of ASTM D3139. In cases where pipe must be buried in soil with hydrocarbon contamination, gaskets shall be Nitrile.

F. Impact tests shall be conducted on at least 10 samples from this pipe run in accordance with ASTM D-2241, except that the tests shall be conducted on pipe samples conditioned to 32^0F for a minimum of one hour immediately prior to the test. The Tup weight shall be 30 lbs. and shall have a 1/2-inch radius nose piece. All 10 samples shall pass a minimum impact as shown in Table "1". Failure of any one sample shall be cause for the rejection of that production run of pipe. The manufacturer shall furnish a certificate of compliance to these standards, including the impact test called for herein, signed by a qualified person of the manufacturing firm.

TABLE 1
Impact Values for DR-18 PVC Pipe

6-inch	122-foot pounds**
8-inch	129-foot pounds**
10-inch	140-foot pounds**
12-inch	150-foot pounds**

**Test to be done at 32^0F

G. The pipe must be blue in color for underground utility locating. Shipments must have no more than 8 pieces (20-foot lengths) per banded bundle.

SOLID WALL HIGH DENSITY POLYETHYLENE (HDPE) PIPE

A. The HDPE pipe shall be manufactured from a high density, high molecular weight polyethylene resin, which conforms to ASTM D-1248 and meets the requirements for Type III, Class B, Grade P34, Category 5, and has a PPI rating of PE 3408 when compounded. The pipe produced from this resin shall have a minimum cell classification of 345434C or D under ASTM D3350.

B. The HDPE shall be SDR 11 with an average inside diameter for equal to or greater than the dimension indicated on the plans.

C. If HDPE is called out as “Casing Pipe” or “Double Wall” the exterior pipe shall be SDR-32.5 with an inside diameter at least 1-inch greater than the exterior dimension of the interior carrier pipe. Each pipe shall be independent of the other when pulled through.

D. All pipe shall be made of virgin material. No rework except that obtained from the manufacturer’s own production of the same formulation shall be used.

E. The pipe shall be homogenous throughout and shall be free of visible cracks, holes, foreign material, blisters, or other deleterious faults.

F. The HDPE materials, when cured, shall be chemically resistant to withstand internal exposure to sewage gases containing hydrogen sulfide, carbon monoxide, carbon dioxide, methane, and the chemical materials listed in the table below.

G. The finished HDPE pipe shall be continuous over the entire length of an insertion run between the insertion pit and reception pit. The HDPE pipe shall be impervious and free of any leakage from the rehabilitated host pipe to surrounding ground or from the surrounding ground to the inside of the HDPE.

H. The manufacturer of the pipe shall supply the Owner with certificates of compliance indicating conformance for all material and testing requirements furnished under these specifications.

I. Each standard pipe unit shall be clearly and permanently marked with the date of manufacturer, class, production code, and manufacturer’s trademark.

SERVICE MATERIAL

A. Plastic water tubing: 3/4-inch minimum nominal diameter, virgin, ultrahigh molecular weight polyethylene tubing, type PE3408, SDR-9, conforming to ASTM 2737 NSF-PW, rated for 200 psi working pressure. Plastic water tubing shall bear permanent identification markings that will remain legible during normal handling, storage, installation, and service life and that will

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.

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.

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.

WATER METER PIT INCLUDING COVER

A. Design

1. Prefabricated coil style meter pit designed for cold weather climates with 60 inch bury depth. The meter inlet shall be equipped with a ball valve, and the meter outlet shall be equipped with a dual check valve. There shall be an internal platform that normally sits near the bottom of the box but can be raised to the surface for maintenance and meter replacements.

2. Pit inlet and outlet shall be MPT threads with polyethylene coil within the pit.

3. Cover shall be cast iron flat lid with inner insulation/frost lid. The words "WATER METER" shall be cast into the top lid and there shall be a 2" hole and recessed for meter read antenna.

B. Manufacturers:

1. Mueller

2. AY McDonald

REPLACEMENT WATER METER PIT COVERS

A. Design

Cover shall be flat lid with the words "WATER METER" cast into the top and there shall be a 2" hole with recess for meter read antenna.

B. Material

1. Cast Iron

2. Composite

C. Manufacturers for Replacement Covers:

1. Mueller

2. AY McDonald

3. Ford (replacement cover only)

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

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" cast into them.
3. Regular Valve Box: 2-piece screw type with lid.

PRESSURE REDUCING VALVES

A. Standards

1. All new and replacement valves shall be pressure reducing with pressure sustaining pilot, anti-cavitation trim, solenoid override shutoff with a ductile iron body.

B. Manufacturers

1. CLA-VAL 92-07

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. 5¼ inch valve opening.
3. 5½ foot bury for a standard hydrant and 6½ foot bury for a blow-off hydrant.
4. Counterclockwise direction of opening.
5. OSHA safety red paint conforming to Federal lead standards.
6. Pentagon-shaped operating nuts, 1½ inch point to flat with weather cap or shield
7. "O" Ring packing.
8. Bronze to bronze seat rings.
9. Nozzles
    a. 1 - 4½ inch inside diameter with 5.7609 inch outside diameter, male, 4 threads per inch.
    b. 2 - 2½ inch inside diameter with 3.0686 inch outside diameter, male, 7½ threads per inch.
    c. Mechanically attached nozzles with National Standard Threads.
    d. Threaded female caps without chains.
    e. Orientation: Two smaller nozzles 180 degrees apart with large nozzle located equidistant between them.
10. 6-inch, mechanical joint inlet with connecting gland, mechanical joint gasket and fluorocarbon coated T-bolts and nuts.
11. Color: Yellow
12. Identification Tags: Brass, bolt-on, each labeled per Owner's ID system.
13. Manufacturers
    a. Kennedy K-81
14. Anchor Pipe & Mechanical Joint Fittings
15. In accordance with Section 02610.

B. Anchoring Tees, Mechanical Joint

1. Standard
    a. ANSI/AWWA C110 - Ductile-Iron and Gray-Iron Fittings, 3 inch through 48 inch, for Water and Other Liquids.
2. Manufacturers
    a. Clow
    b. Tyler
    c. U.S. Pipe
    d. Or approved equal.

C. Anchoring Elbows, Mechanical Joint

1. Manufacturers
   a. Clow
   b. Tyler, American made
   c. Or approved equal

D. Guard Valve

1. 6-inch gate valve in accordance with Section 02660.

STRAIGHT & TRANSITION COUPLINGS

A. Standards

1. ANSI/AWWA C111 - Rubber-Gasket Joints for Ductile-Iron and Gray-Iron Pressure Pipe.

2. ASTM A536 - Standard Specification for Ductile Iron Castings.

B. All ductile iron or steel.

C. Manufacturers - Straight Couplings
1. Dresser: Product #138, 4 inch through 12 inch.
2. Dresser: Product #38, 16 inch and above.
3. J.C.M.: Product #210, 2 inch through 12 inch.
4. Clow: Product #3203, 4 inch through 12 inch.
5. Romac: Product #501, 4 inch through 12 inch.
6. Ford: Product #FC-1, 2 inch through 12 inch.
7. Cascade: Product #CDC, 4 inch through 16 inch.
8. Or approved equal.

D. Manufacturers - Transition Couplings
1. J.C.M.: Product #212, 4 inch through 12 inch.
2. Power Seal: Product #3501, 4 inch through 16 inch.
3. Romac: Product #501, 4 inch through 24 inch.
4. Or approved equal.

E. Bitumastic

1. Manufacturer
   a. Carboline Bitumastic 300M
   b. Tnemec H.B. Tnemecol 46-465
   c. Or approved equal.

PERISTALTIC METERING PUMP

A. Standards

1. Metering pump shall be positive displacement, peristaltic type tubing pump with a brushless variable speed motor, non-spring-loaded roller assembly located in the pumphead, integral tube failure detection system, and flexible tubing attached connection fittings.

2. There shall be no valves, diaphragms, springs, or dynamic seals in the fluid path.

Process fluid shall contact the pump tubing assembly and connection fittings only.

3. Capable of 24-hour continuous duty and self-priming at a maximum pressure of up to 100 psi.
4. Pumps shall be capable of running dry without damage.

B. Manufacturers
   1. Blue & White or approved equal

INJECTION QUILL

A. Standards
   1. The injection quill shall be a one-piece ½" quill with spring-loaded check valve to prevent back flow. Material of construction shall be suitable for sodium hypochlorite injection.

B. Manufacturers
   1. SAF-T-FLO Model ED-146BP60E or approved equal

CHLORINE ANALYZER & CONTROLLER

A. Standards
   1. Online chlorine analyzer for continuous monitoring of free or total residual chlorine in water.
   2. Reagents shall be for Free Chlorine.

B. Manufacturers
   1. Hach Company, Loveland, CO
      a. Model CL17sc online chlorine analyzer or approved equal
      b. Model SC4500 or approved equal

SANITARY MANHOLE COVERS AND FRAMES

A. All manhole frames shall be iron castings conforming to ASTM A48, Class 30. They shall be true to pattern in form and dimensions, free from pouring faults, sponginess, cracks, blow holes and other defects. Casting shall have boldly filiated angles and the airs shall be sharp and perfect. After casting and prior to shipping, smooth and clean all surfaces by sand blasting. Castings shall be factory coated with coal tar pitch varnish. Castings shall be thoroughly shop coated with one coat of Koppers Super Service Black or coal tar enamel or asphalt base bituminous material with a minimum dry thickness of 12 mils.

B. All frames and grates must conform to these specifications as to quality, strength, thickness of metal and finish. Covers shall be furnished with lettering on face where required and as shown on the Contract Drawings. All castings shall be designed to sustain AASHTO H20-44-wheel loadings. The minimum thickness of metal at any point shall be 3/4".

C. Fabricate all frames and covers so that covers fit in any position without rocking. Mill horizontal fitting surfaces to a true and even surface to insure uniform bearing. Units and portions of units shall be interchangeable.

D. All sanitary manhole covers shall be solid and provide a non-penetrating pickhole for lifting. The covers shall have a non-skid surface and shall have raised lettering of 2" or more in size (cast into the cover). On the covers the following shall be clearly printed: "SANITARY". Acceptable frame and cover shall be Neenah R-1726-A or Syracuse Casting 1032.

POLYVINYL CHLORIDE PIPE (PVC)

Non-Pressure Piping (Gravity Sanitary Sewer)

A. Pipe and Pipe Fittings - Exterior Smooth Pipe

1. Acceptable Products - As manufactured by Certainteed, Johns-Mansfield, Clow Corp., or equal.

2. Materials - PVC pipe and fittings to be used for gravity sewer shall fully conform to the requirements of ASTM D-3034 "Type PSM Poly (vinyl chloride) (PVC) sewer pipe and fittings", latest revision. Pipe and fittings shall also meet or exceed the requirements of Uni-Bell UNI-B-5 recommended standard for integral, gasketed joint PVC sewer pipe and fittings. Standard diameter ratios (SDR) shall be as shown on the Contract Drawings.

3. The pipe and pipe fittings shall also be made of PVC plastic having a cell classification of 12454-B, or 12454-C, or 13364-B as defined in ASTM D 1784.

4. The pipe shall not disintegrate or flake when tested (this does not replace any other testing) in accordance with ASTM D-2152.

5. The pipe shall meet impact resistance in accordance with ASTM D-2444.

6. The minimum pipe stiffness at 5% deflection shall be 46 psi when tested in accordance with ASTM D-2412.

7. Standard laying length shall be 13 feet. Random lengths of less than 13 feet may be utilized to make proper connections.

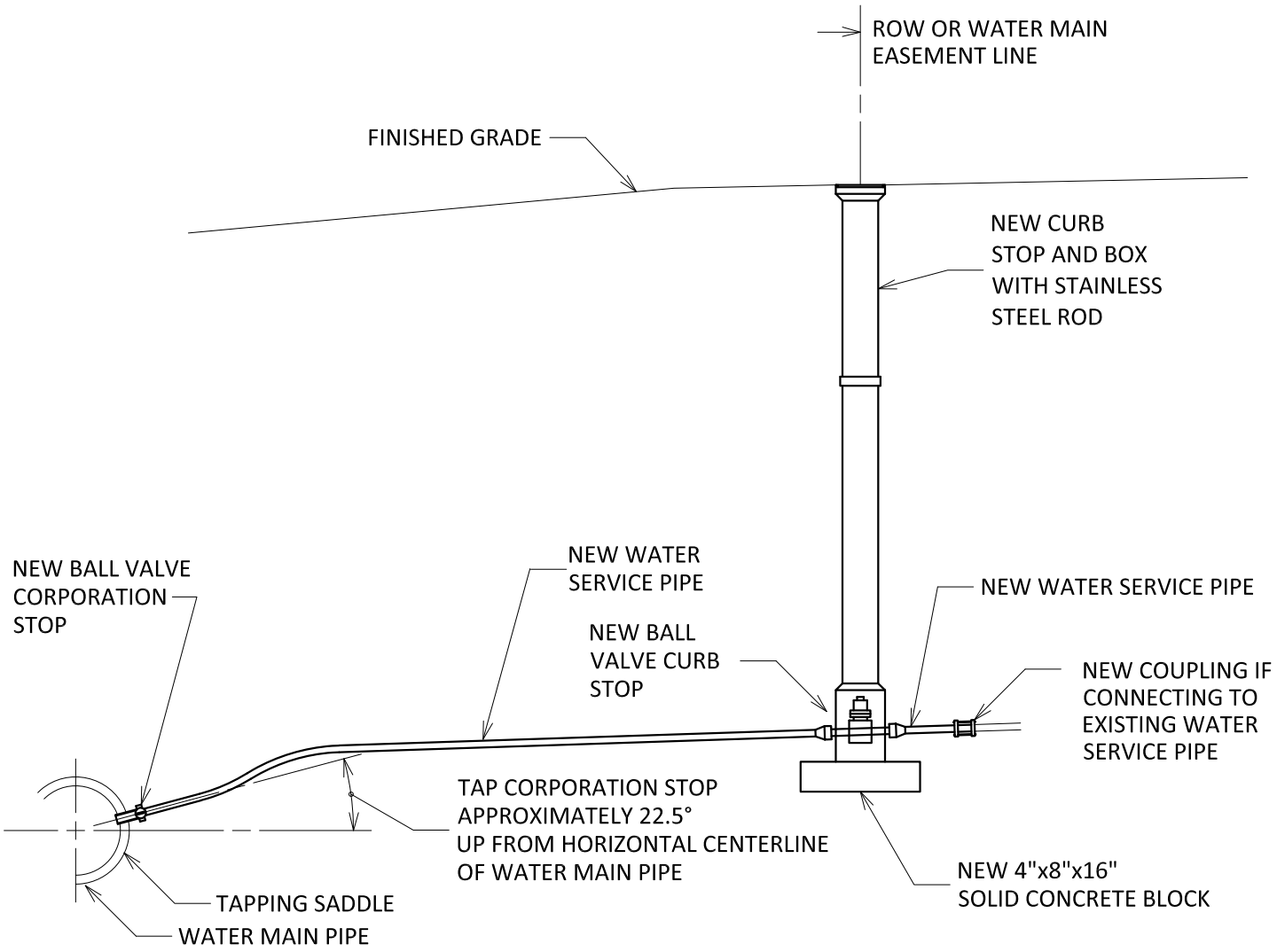
8. Pipe shall be green color.

B. PVC Laterals with Clean outs

1. Materials

   a. Polyvinyl Chloride Pipe: Polyvinyl chloride pipe and fittings shall have bell and spigot joints with flexible elastomeric gaskets. SDR-21 pipe and fittings shall conform to ASTM D2241, with joints conforming to ASTM D3139 and F477.

   b. Plugs shall be cast iron screw in type.



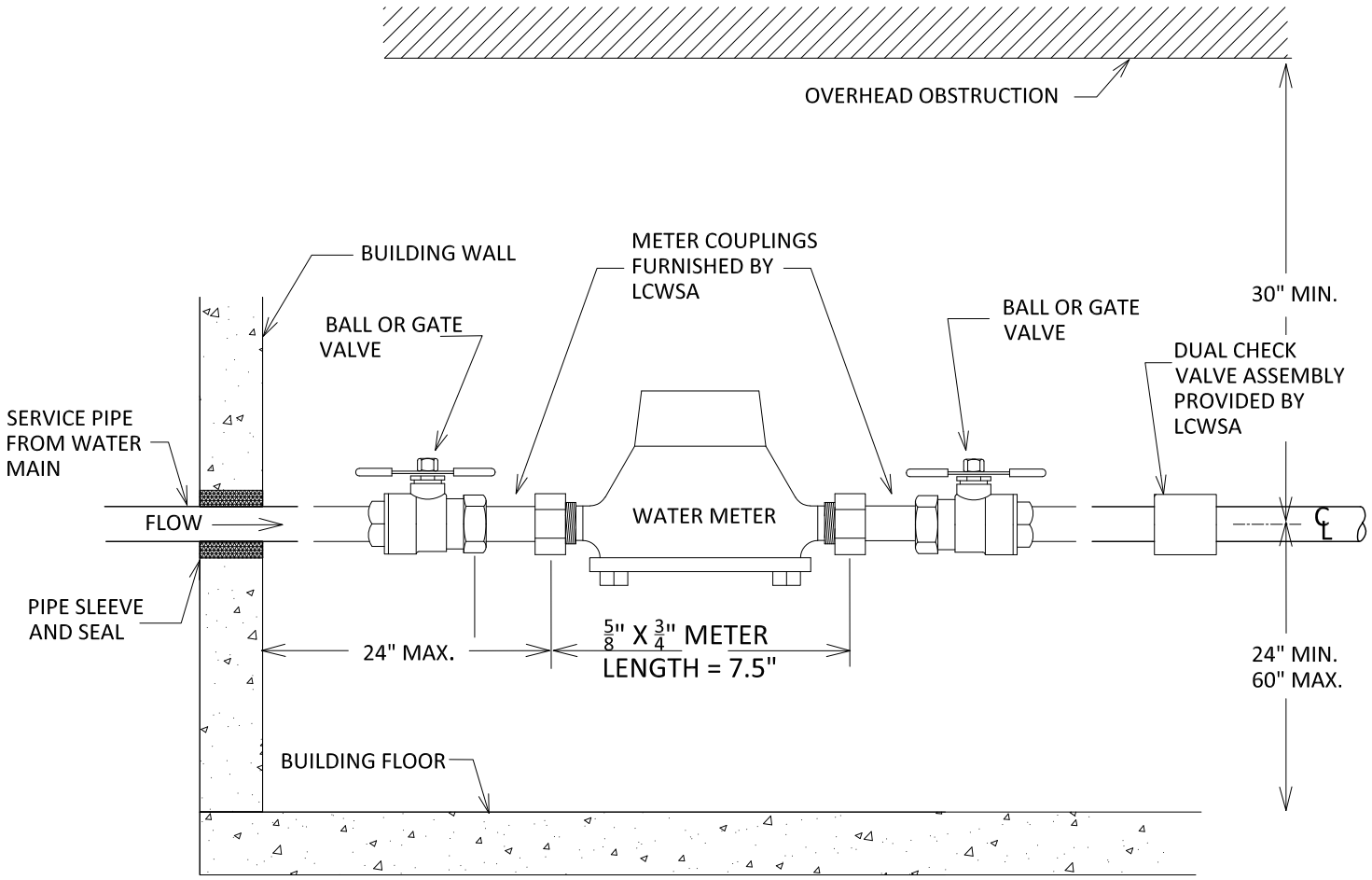
NOTES:

1. WATER SERVICE PIPE IS TO HAVE MINIMUM COVER DEPTH OF 5 FEET FROM FINISHED SURFACE.
2. WATER SERVICE TAP IS TO BE MADE ON CUSTOMER SIDE OF WATER MAIN PIPE. FOR PLASTIC AND CAST/DUCTILE IRON WATER MAIN PIPE USE DOUBLE STRAP BRASS TAPPING SADDLE.
3. WATER SERVICE PIPE IS TO RUN PERPENDICULAR TO WATER MAIN PIPE.
4. FOR WATER SERVICE PIPE 1½ INCHES AND LARGER, ADD CURB BOX ARCH TO CURB BOX.
5. TRACER WIRE MUST BE INSTALLED FOR PLASTIC WATER SERVICE PIPE.
6. WARNING TAPE MUST BE INSTALLED WITH ALL OPEN CUT TRENCHED WATER SERVICE PIPE INSTALLATIONS.
7. NO CURB BOXES SHALL BE LOCATED IN DRAINAGE SWALES OR DITCHES.

LIVINGSTON COUNTY WATER AND SEWER AUTHORITY

NEW WATER SERVICE DETAIL

ISSUED	JUNE 1998	W-01
REVISED	MAY 2025	



ELEVATION

NOTES:

1. METER AND METER COUPLINGS ARE TO BE FURNISHED BY LCWSA AND INSTALLED BY THE PLUMBER. METER AND COUPLINGS ARE AVAILABLE FOR PICK-UP AT 1997 D'ANGELO DR, LAKEVILLE, TELEPHONE 585-346-3523.

2. METERS MUST BE MOUNTED HORIZONTALLY AND SET IN A HEATED LOCATION THAT IS READILY ACCESSIBLE FOR REPAIR, READING AND REPLACEMENT. METERS CAN NOT BE LOCATED IN CRAWL SPACES, CEILINGS OR IN CONFINED SPACES.

3. THE AUTHORITY WILL INSPECT THE METER INSTALLATION PRIOR TO START OF WATER SERVICE.

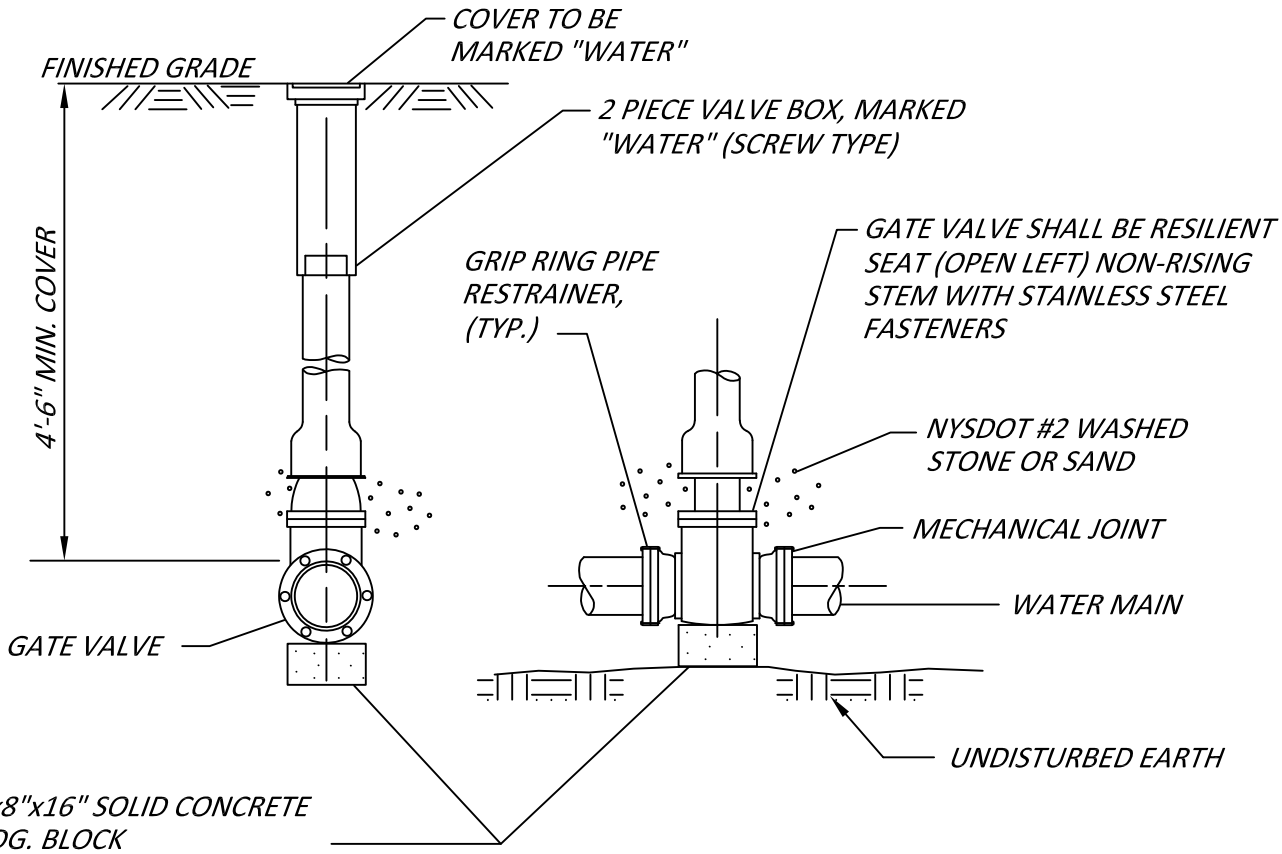
4. A BACKFLOW PREVENTION DUAL CHECK VALVE IS REQUIRED ON ALL WATER SERVICES 1" AND SMALLER.

5. PIPE AND APPURTENANCES ARE TO BE ADEQUATELY RESTRAINED, BRACED AND SUPPORTED. ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL PLUMBING CODES.

LIVINGSTON COUNTY WATER AND SEWER AUTHORITY

TYPICAL INDOOR INSTALLATION OF WATER METER 1 INCH AND SMALLER

ISSUED	DECEMBER 2022	W-02
REVISED		



NOTES:

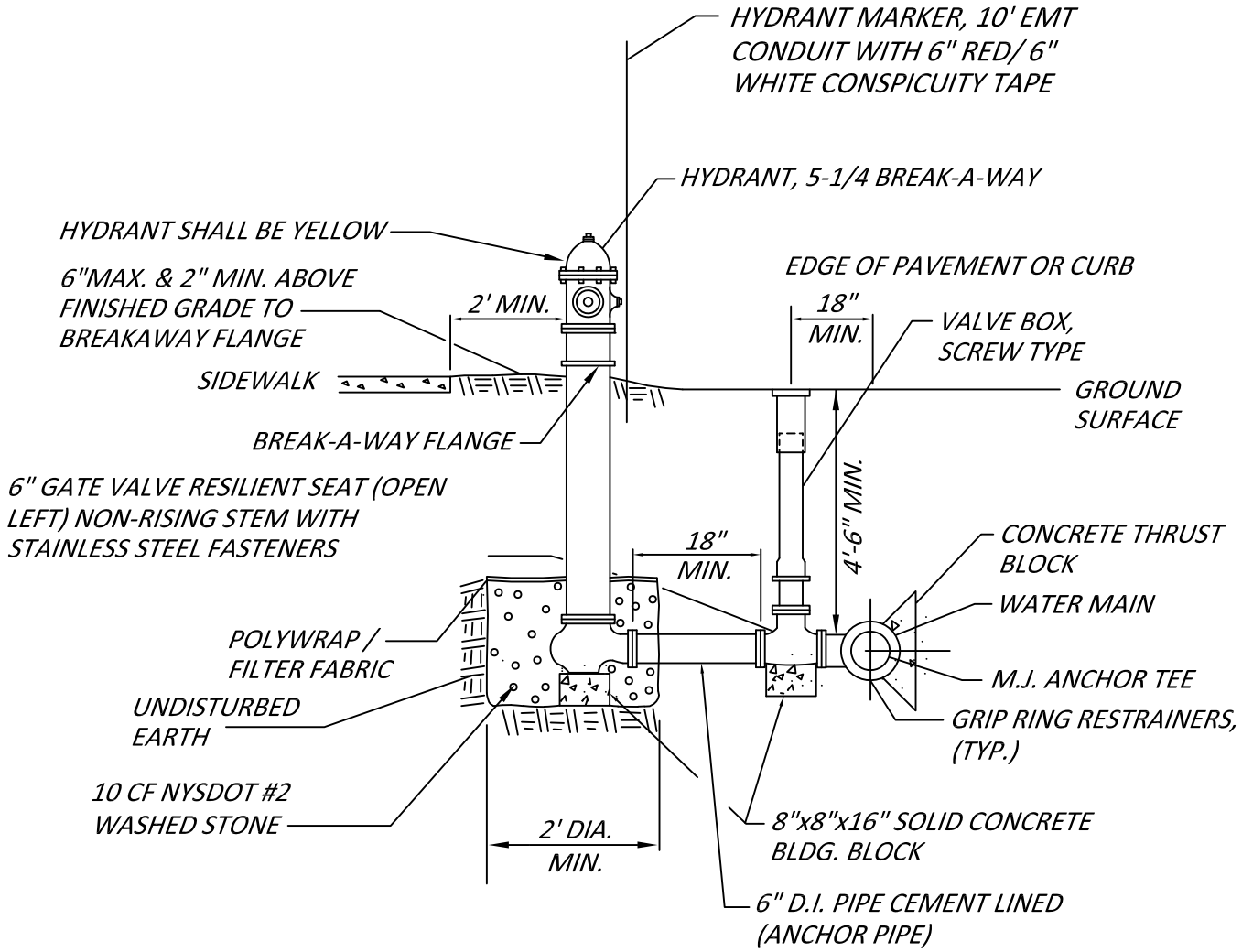
1. *THE VALVE BOX SHALL BE BACKFILLED SO THAT IT DOES NOT REST ON THE VALVE HOUSING.*
2. *ALL BOLTS AND NUTS SHALL BE FLUOROCARBON COATED (BLUE).*
3. *VALVE SHALL BE WRAPPED WITH 6 MIL. THICK POLYETHYLENE 2' BEYOND END OF VALVE.*

LIVINGSTON COUNTY WATER AND SEWER AUTHORITY

GATE VALVE DETAIL

NOT TO SCALE

ISSUED	JUNE 1998	W-04
REVISED	MAY 2025	



NOTES:

1. HYDRANT WEEP HOLES SHALL NOT BE PLUGGED UNLESS GROUNDWATER IS ENCOUNTERED WITHIN 7' OF FINISHED GRADE, OR AS ORDERED BY THE ENGINEER IF HYDRANT WEEP HOLES ARE PLUGGED, THEY SHALL BE SO LABELED.
2. ALL FLANGES ON FIRE HYDRANT LEG TO BE MECHANICAL JOINT RESTRAINING TYPE OF FLANGES.
3. BARREL SHALL BE SINGLE PIECE. NO EXTENSIONS SHALL BE PERMITTED. MINIMUM 5'-6" LENGTH.
4. DIP FITTINGS AND VALVES SHALL BE WRAPPED WITH 6 MIL. THICK POLYETHYLENE 2' BEYOND END OF FITTING ON PVC PIPE TO INCLUDE HYDRANT BURY.
5. ALL BOLTS AND NUTS SHALL BE FLUOROCARBON COATED.
6. ORIENTATION AND EXACT LOCATION TO BE DETERMINED BY ENGINEER.
7. ALL HYDRANTS SHALL BE KENNEDY K81 UNLESS PRIOR APPROVAL IS GRANTED BY LCWSA.

LIVINGSTON COUNTY WATER AND SEWER AUTHORITY

FIRE HYDRANT ASSEMBLY

NOT TO SCALE

ISSUED	JUNE 1998	W-05
REVISED	MAY 2025	

~ WATER & SEWER MATERIALS 2027 ~

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
Water Service and Meter Fittings				
3/4" Dual Check Valve	**10**			
1" Dual Check Valve	**2**			
15" Diameter Coil Syle Meter Pit w/ Cast Iron Cover	**10**			
15" Diameter Coil Syle Meter Pit w/ Composite Cover	**10**			
18" Diameter Coil Style Meter Pit w/ Cast Iron Cover	**2**			
18" Diameter Coil Style Meter Pit w/ Composite Cover	**2**			
15" Diameter Cast Iron Replacement Cover to fit Mueller Meter Pit	**1**			
15" Diameter Composite Replacement Cover to fit Mueller Meter Pit	**1**			
15" Diameter Cast Iron Replacement Cover to fit Ford Meter Pit	**2**			
15" Diameter Composite Replacement Cover to fit Ford Meter Pit	**2**			
18" Diameter Cast Iron Replacement Cover to fit Mueller Meter Pit	**1**			
18" Diameter Composite Replacement Cover to fit Mueller Meter Pit	**1**			
18" Diameter Cast Iron Replacement Cover to fit Ford Meter Pit	**2**			
18" Diameter Composite Replacement Cover to fit Ford Meter Pit	**2**			
15" Diameter Meter Pit 6" Risers	**2**			
15" Diameter Meter Pit 12" Risers	**1**			
18" Diameter Meter Pit 6" Risers	**1**			
18" Diameter Meter Pit 12" Risers	**1**			
3/4" female by 3/4" compression meter pit coupling	**40**			
1" female by 1" compression meter pit coupling	**8**			
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:				

~ WATER & SEWER MATERIALS 2027 ~

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
Curb Boxes & Parts				
Curb Box 5' bury depth, complete with 2-hole Lid and 29" SS S-rod	**50**			
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:				
Double Strap Brass Tapping Saddles				
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:				
Water Service Tubing Copper Tube Size (CTS)				
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	**1**			
Category Total:				
Hydrants				
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:				

~ WATER & SEWER MATERIALS 2027 ~

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
Valves and Valve Box Parts				
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**			
Pressure Reducing Valve - 2" 92-07 Clay-Val	**2**			
Pressure Reducing Valve - 6" 92-07 Clay-Val	**2**			
Category Total:				
Chlorine Analyzer Equipment				
Chlorine Analyzer (HACH CL17sc)	1			
Controller (HACH SC4500)	1			
Free Chlorine Reagants	200			
HACH CL17sc Tubing kits	10			
Category Total:				
Chemical Feed / Injection Equipment				
Peristaltic Mettering Pump	2			
Peristaltic Pump Repair Kit	2			
3/8" chemical tubing	500 LF			
Category Total:				
Sanitary Sewer				
8" PVC SDR-21 Sewer Main Pipe	20 LF			
6" PVC SDR-21 Sewer Main Pipe	20 LF			
4" PVC SDR-21 Sewer Main Pipe	20 LF			
4" PVC SDR-21 Cleanout Cap	20 EA			
4" PVC SDR-21 Cleanout Cap Adapter	20 EA			
Category Total:				

Company Name

Date

LIVINGSTON COUNTY
WATER & SEWER AUTHORITY

Compliance with
NYS Finance Law
Section 139-j and 139-k
("Lobbying Law")

Revised November, 2022

NEW YORK STATE'S STATE FINANCE LAW SECTIONS 139-J AND 139-K

All procurements by the Authority in excess of $15,000 annually, are subject to New York State's State Finance Law Sections 139-j and 139-k ("Lobbying Law").

Pursuant to the Lobbying Law, all "contacts" (defined as any oral, written or electronic communications with the Authority under circumstances where a reasonable person would infer that the communication was intended to influence the Authority's conduct or decision regarding a procurement) during the "restricted period" of procurement (defined as the period of time commencing with written notice advertisement or solicitation of a request for proposal, invitation for bids or solicitation of proposals and ending with the final contract award and approval by the Authority) must be made with the Designated Point of Contact only. Exceptions to this rule include:

- Submission of written proposals in response to a request for proposals, invitations for bids or any other method for soliciting a response from offerers intending to result in a procurement contract;
- Submission of written questions (by a method set forth in the request for proposals, invitation to bid or other method for soliciting a response from offerers intending to result in a procurement contract), when all written questions and responses are to be disseminated to all offerers who have expressed an interest in the request for proposals, invitation for bids, or other method for soliciting a response from offerers intending to result in a procurement contract;
- Participation in a demonstration, conference or other means for exchange of information in a setting open to all potential bidders (as provided for in the request for proposals, invitation for bids, or other method for soliciting a response from offerers intending to result in a procurement contract);
- Complaints by an offerer regarding the failure of the person or persons designated by the Authority pursuant to NYS Finance Law Section 139-j, to respond in a timely manner to authorized offerer contacts, made in writing to the office of general counsel of the Authority, provided that any such written complaints shall become a part of the procurement record;
- Offerers who have been tentatively awarded a contract and are engaged in communications with the Authority solely for the purpose of negotiating the terms of the procurement contract after being notified of tentative award;
- Contacts between designated Authority staff and an offerer to request the review of a procurement contract award;
- Contacts by offerers in protests, appeals or other review proceedings (including the apparent successful bidder or proposer and his or her representatives) before the Authority seeking a final administrative determination, or in a subsequent judicial proceeding; or

- Complaints of alleged improper conduct by the Authority to the Attorney General, Inspector General, District Attorney, or court of competent jurisdiction; or
- Protests, appeals or complaints to the State Comptroller's Office during the process of contract approval, where the State Comptroller's approval is required, provided that the State Comptroller shall make a record of such communications and any response thereto which shall be entered into the procurement record pursuant to section one hundred sixty-three of the NYS Finance Law; or
- Complaints of alleged improper conduct in a governmental procurement conducted by the Authority to the State Comptroller's Office;
- Communications between offerers and the Authority that solely address the determination of responsibility by the Authority of an offerer;
- Complaints by minority-owned business enterprises or women-owned business enterprises, certified as such by the Division of Minority and Women's Business Development, to the Minority and Women-Owned Business Enterprise Statewide Advocate concerning the Authority's failure to comply with the requirements of section three hundred fifteen of the NYS Executive Law;
- Communications between the Minority and Women-Owned Business Enterprise Statewide Advocate and the Authority in furtherance of an investigation of the Minority and Women-Owned Business Enterprise Statewide Advocate pursuant to section three hundred twelve-a of the NYS Executive Law;
- Communications between the Authority and offerers that provide information to offerers regarding the status of the review, oversight, or approval of a procurement that has been submitted to or is under review by the Authority.

No offerer shall attempt to influence the Authority procurement in a manner that would result in a violation or an attempted violation of subdivision five of section seventy-three or section seventy-four of the NYS Public Officers Law, or of other applicable ethics code provisions that are equivalent to subdivision five of section seventy-three or section seventy-four of the NYS Public Officers Law where the public officials that are involved in the governmental procurement are not subject to subdivision five of section seventy-three or section seventy-four of the NYS Public Officers Law.

Violations of contact restrictions shall include any contacts during the restricted period of a governmental procurement between the offerer and any member, officer or employee of any governmental entity other than the Authority; provided, however, that nothing herein shall be deemed to prohibit an offerer from communicating with a member of the state legislature or legislative staff about a governmental procurement being conducted by the Authority, provided that the member of the state legislature or legislative staff is acting in his or her official capacity.

Alleged violations of this policy regarding permissible contacts must be reported to the appropriate Authority officer and investigated immediately. If sufficient cause exists to believe that such allegation is true, the investigating Authority officer shall give the offerer reasonable notice that an investigation is ongoing and an opportunity to be heard in response to the allegation.

A finding that an offerer has knowingly and willfully violated the provisions of New York State's State Finance Law Sections 139-j and/or 139-k shall result in a determination of non-responsibility for such offerer, and such offerer and its subsidiaries, and any related or successor entity with substantially similar function, management, board of directors, officers and shareholders (hereinafter, for the purposes of this paragraph "offerer"), shall not be awarded the procurement contract, unless the Authority finds that the award of the procurement contract to the offerer is necessary to protect public property or public health or safety, and that the offerer is the only source capable of supplying the required article of procurement within the necessary timeframe, provided, that the Authority shall include in the procurement record a statement describing the basis for such a finding.

Any subsequent determination of non-responsibility due to violation of these requirements within four years of a determination of non-responsibility resulting from a previous violation of the requirements of New York State Finance Law section 139-j or 139-k shall result in the offerer being rendered ineligible to submit a proposal on or be awarded any procurement contract for a period of four years from the date of the second final determination.

All offerers are required to disclose any prior findings of non-responsibility due to violations of York State's State Finance Law Sections 139-j and/or 139-k within the previous four years by any governmental entity (other than the Authority). The failure of offerers to timely disclose accurate and complete information or otherwise cooperate with the Authority in administering this provision shall be considered by the Authority in its determination of responsibility; provided, further, that the Authority shall not award a contract to an offerer who fails to timely disclose accurate and complete information or otherwise cooperate with the Authority in administering this provision unless it finds that the award of the procurement contract to the offerer is necessary to protect public property or public health or safety, and that the offerer is the only source capable of supplying the required article of procurement within the necessary timeframe, provided, that the Authority shall include in the procurement record a statement describing the basis for such a finding.

Upon a determination of non-responsibility or debarment due to a violation of these provisions, the Authority is required to notify the Office of General Services, which maintains a list of all offerers who have been determined to be non-responsible bidders or debarred due to violations of the requirements of York State's State Finance Law Sections 139-j and/or 139-k.

Moreover, the statutes require the Authority to obtain certain affirmation and certifications from bidders and proposers. This **SCHEDULE** contains the forms to comply, with additional information and instructions.

Designated Point of Contact for this project is _____.

COMPLIANCE WITH
NYS STATE FINANCE LAW §§139-j AND 139-k

DISCLOSURE OF PRIOR NON-RESPONSIBILITY DETERMINATIONS

Instructions:

New York State Finance Law §139-k (2) obligates the Authority to obtain specific information regarding prior non-responsibility determinations. This information must be collected in addition to the information that is separately obtained pursuant to State Finance Law §163(9) or New York State Executive Order 127. In accordance with State Finance Law §139-k, an offerer must be asked to disclose whether there has been a finding of non-responsibility made within the previous four (4) years by any Governmental Entity due to: (1) a violation of State Finance Law §139-j or (b) the intentional provision of false or incomplete information to a Governmental Entity.

As part of its responsibility determination, State Finance Law §139-k(3) mandates consideration of whether an offerer fails to timely disclose accurate or complete information regarding the above non-responsibility determination. In accordance with New York State law, no procurement contract shall be awarded to any offerer that fails to timely disclose accurate or complete information under this section, unless the factual elements of the limited waiver provision can be satisfied on the written record.

THE FORM IS ON THE NEXT PAGE.

COMPLIANCE WITH
NYS STATE FINANCE LAW §§139-j AND 139-k

DISCLOSURE OF PRIOR NON-RESPONBIBILITY DETERMINATIONS

Name of Bidder/Proposer:_____

Address: _____
_____

Name and title of person submitting this Form: _____

Has any governmental entity* made a finding of non-responsibility regarding The Bidder/Proposer in the previous four years? No Yes

If yes: Was the basis for the finding of the Bidder's/Proposer's non-responsibility due to a violation of State Finance Law §139-j? No Yes

Was the basis for the finding of the Bidder's/Proposer's non-responsibility due to the intentional provision of false or incomplete information to a governmental entity? No Yes

If yes, please provide details regarding the finding of non-responsibility below.

Governmental Entity: _____

Year of Finding of Non-responsibility: _____

Basis of Finding of Non-Responsibility: _____

_____ (add additional pages as necessary)

Has any governmental entity terminated a procurement contract with the Bidder/ Proposer due to the intentional provision of false or incomplete information? No Yes

*A "government entity" is: (1) any department, board, bureau, commission, division, office, council, committee or officer of New York State, whether permanent or temporary; (2) each house of the New York State Legislature; (3) the unified court system; (4) any public authority, public benefit corporation or commission created by or existing pursuant to the public authorities law; (5) any public authority or public benefit corporation, at least one of whose members is appointed by the governor or who serves as a member by virtue of holding a civil office of the state; (6) a municipal agency, as that term is defined in paragraph (ii) of subdivision (s) of section one-c of the Legislative Law; or (7) a subsidiary or affiliate of such a public authority. (SFL §139-j, paragraph 1.a.).

COMPLIANCE WITH
NYS STATE FINANCE LAW §§139-j AND 139-k

BIDDER'S/PROPOSER'S AFFIRMATION AND CERTIFICATION

By signing below, the Bidder/Proposer:

(a) Affirms that the Bidder/Proposer Understands and agrees to comply with the policy regarding permissible contacts in accordance with State Finance Law Sections 139-j and 139-k of New York State.

(b) Certifies that all information provided to the Authority with respect to State Finance Law §139-j and §139-k is complete, true and accurate.

By: _____
(Signature of Person Certifying)

Date: _____

Print Name: _____

Print Title: _____

Bidder/Proposer or
Contractor/Consultant: _____
(Full Legal Name)

Address: _____
_____
_____

Business
Telephone Number: _____

THE AUTHORITY'S RIGHT TO TERMINATE

The Authority reserves the right to terminate a Contract in the event it is found that the certification filed by the Contractor/Consultant as Bidder/Proposer (offerer), in accordance with New York State Finance Law §139-k was intentionally false or intentionally incomplete. Upon such finding, the Authority may exercise its termination right by providing written notification to the Contractor/Consultant in accordance with the written notification terms of the Contract.