



# Request for Quote

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS  
 ONE CAPITOL HILL  
 PROVIDENCE RI 02908

**CREATION DATE :** 06-OCT-15  
**BID NUMBER:** 7549948  
**TITLE:** POLYETHYLENE PIPES AND ACCESSORIES - DOT  
**BLANKET START :** 01-DEC-15  
**BLANKET END :** 30-NOV-16  
**BID CLOSING DATE AND TIME:** 28-OCT-2015 10:00:00

**BUYER:** Louro, Sharon M  
**PHONE #:** 401-574-8137

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**DOT MAINTENANCE BUSINESS OFFICE**  
 360 LINCOLN AVE  
 WARWICK, RI 02888  
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**DOT MAINTENANCE BUSINESS OFFICE**  
 360 LINCOLN AVE  
 WARWICK, RI 02888  
 US

**Requisition Number: 1431647**

Note to Bidders: Questions concerning this solicitation may be addressed to Lisa Hill at [Lisa.Hill@purchasing.ri.gov](mailto:Lisa.Hill@purchasing.ri.gov) no later than 10/21/15 at 4:00pm

Line	Description	Quantity	Unit	Unit Price	Total
1	BLANKET REQUIREMENTS: 12/1/15 - 11/30/16 - OPTION TO RENEW FOR 1 (ONE) ADDITIONAL YEAR  TO ESTABLISH AN APA FOR THE PURCHASE OF VARIOUS SIZES OF POLYETHYLENE PIPE AND ACCESSORIES WHICH ARE USED TO PERFORM REPAIRS ON STORM DRAIN, CULVERTS, DRIVEWAY, PIPE, ETC. STATEWIDE.  12/01/2015 - 11/30/2016 - SMOOTH INTERIOR POLYETHYLENE DRAIN PIPE, 12" x 20'	760.00	Linear Foot		
2	12/01/2015 - 11/30/2016 - SMOOTH INTERIOR POLYETHYLENE DRAIN PIPE, 15" x 20'	200.00	Linear Foot		
3	12/01/2015 - 11/30/2016 - SMOOTH INTERIOR POLYETHYLENE DRAIN PIPE, 18" x 20'	820.00	Linear Foot		
4	12/01/2015 - 11/30/2016 - SMOOTH INTERIOR POLYETHYLENE DRAIN PIPE, 24" x 20'	340.00	Linear Foot		
5	12/01/2015 - 11/30/2016 - POLYETHYLENE END SECTIONS, 12" FLARED	29.00	Each		
6	12/01/2015 - 11/30/2016 - POLYETHYLENE END SECTIONS, 15" FLARED	10.00	Each		
7	12/01/2015 - 11/30/2016 - POLYETHYLENE END SECTIONS, 18" FLARED	26.00	Each		
8	12/01/2015 - 11/30/2016 - COUPLINGS, 12"	24.00	Each		
9	12/01/2015 - 11/30/2016 - COUPLINGS, 15"	7.00	Each		
10	12/01/2015 - 11/30/2016 - COUPLINGS, 18"	17.00	Each		
11	12/01/2015 - 11/30/2016 - COUPLINGS, 24"	10.00	Each		

It is the Vendor's responsibility to check and download any and all addenda from the RIVIP. This offer may not be considered unless a signed RIVIP generated Bidder Certification Cover Form is attached and the Unit Price column is completed. The signed Certification Cover Form must be attached to the front of the offer

**PART 700**

**DRAINAGE AND SELECTED UTILITY ACCESSORIES**

**SECTION 701**

**CULVERTS AND STORM DRAINS**

**701.01 DESCRIPTION.** This work consists of the construction or reconstruction of culverts and storm drains in reasonably close conformity with the dimensions and details indicated on the Plans or as directed by the Engineer, all in accordance with these Specifications.

**701.02 MATERIALS.**

**701.02.1 Non-Metallic Pipe.** Concrete, Clay, Fiber, Vitrified Clay, Vitrified Clay Lined Concrete, and Plastic Pipe shall conform to applicable requirements of Subsection M.04.01 of these Specifications.

**a. Smooth Interior Corrugated Polyethylene Pipe.** Pipe, couplings and fittings shall conform to the applicable requirements of AASHTO M294 together with the following provisions.

1. The Pipe shall be Type S and shall be included in the Department's Approved Materials List.

2. The basic materials shall be virgin or cleaned, reworked polyethylene compounds. No recycled materials shall be used.

3. Pipe dimensions shall conform to the following requirements:

Nominal Pipe size (in.)	Inside Diameter (in.)	
	Min.	Max.
12	11.6	12.4
18	17.5	18.5
24	23.3	24.7

4. All joints shall be watertight in accordance with ASTM D3212, and shall be sealed with elastomeric gaskets that conform to ASTM F477.

5. Reinforced concrete pipe shall be used at all locations where the nominal pipe size greater than 24 inches is specified.

**701.02.2 Metal Pipe.** Ductile Iron Pipe and Corrugated Metal Pipe of various types and configurations shall conform to the applicable requirements of Subsection M.04.02 of these Specifications.

**701.02.3 Flared End Sections.** Concrete flared end sections shall be manufactured according to the details indicated on the Plans. Concrete shall be Class X(AE) and shall otherwise conform to the applicable requirements of **SECTION 601; PORTLAND CEMENT CONCRETE** of these Specifications. Metal flared end sections shall conform to the requirements of **SECTION M.04; DRAINAGE**.

**701.02.4 Inspection of Pipe Materials and Manufacturing Plants.** Pipe and pipe materials shall meet the requirements of **SECTION M.04**. Manufacturing plants shall be required to submit a quality control plan for review and approval by the Engineer.

When the location of a plant permits, said plant shall be inspected by the Engineer for compliance with the approved quality control plan and these Specifications.

When the plant location does not permit inspection by the Engineer, pipe materials shall be accepted on the basis of notarized Certificates of Compliance including all the above requirements.

**701.02.5 Bedding Materials.**

a. **Class A Bedding** consists of Class B(AE) plain Portland cement concrete that conforms to the applicable requirements of **SECTION 601** of these Specifications.

b. **Class B Bedding** consists of Gravel Borrow that conforms to the applicable requirements of **Subsection M.01.04** of these Specifications.

c. **Class C Bedding** consists of crushed stone or crushed or screened gravel that conforms to the applicable requirements of **Subsection M.01.04** of these Specifications.

**701.02.6 Portland Cement Mortar.** Mortar shall conform to the requirements of **Subsection M.04.03.5** of these Specifications.

**701.03 CONSTRUCTION METHODS.**

**701.03.1 Layout.** The engineering layout, whether furnished by the State or the Contractor, shall consist of offset staking of the proposed trench every 50 feet or less from structure to structure. Field conditions may require exceptions as to the distance between stakes. Stakes will be marked with stationing on the pipe line side of the stake parallel to the installation, offset distance on the side opposite the pipe line and depth of cut marked on the side facing the open trench. This information shall be transferred to transverse batter boards every 50 feet with line and grade clearly marked and target set, all as directed by the Engineer.

The Contractor, at his option, may perform pipe layout using the laser beam method. When site conditions preclude the use of traditional survey methods, the Contractor shall use the laser beam method.

"Grade," for the purpose of this Section, shall be defined as the designed invert elevation of all pipelines.

**701.03.2 Trench Excavation.** Trenches shall be excavated in accordance with the applicable requirements of **SECTION 205** of these Specifications.

**M.03.04.5 Production Methods.** Production may commence only after the Engineer's acceptance and approval of the above required submittals. The Contractor shall be required to give the Department two days notice prior to commencement of production.

**a. Process Control.** Prior to and during production, the Contractor shall have at the mix-production plant a qualified technical representative of the manufacturer of the bituminous material who, in conjunction with the Contractor, shall be responsible for the process control during production. In addition, this representative, in conjunction with the Contractor, shall be responsible for all production quality control. This shall include, but not be limited to, the performance of all necessary tests, checks, and verifications on the aggregate, bituminous components and mixture to insure product compliance. Furthermore, it is imperative that only specified and approved materials shall be used and that the production process recommended by the manufacturer of the bituminous material shall be followed.

The process control of the bituminous material manufacturer shall include providing written instructions, in conformance with his product literature, for the proper production, handling, storage, placement, and utilization of the high performance cold patching material. In addition, a qualified technical representative of the bituminous material manufacturer shall be available for at least one day to instruct the applicator in the handling of the material and to observe placement of the same.

**b. Acceptance Testing.** Acceptance testing will be performed by the Engineer. Based on the acceptance tests and performance of the mixture, the Engineer shall accept or reject the mixture produced.

**NOTE:** Acceptance of the material by the Department will be undertaken only after satisfactory acceptance testing and performance of the mixture.

**c. Manufacture.** The mix shall be produced in an approved plant and in accordance with the relevant and applicable provisions of **SECTION 400** of these Specifications, and in strict accordance with manufacturer's recommendations.

**d. Stockpiling.** The Contractor shall stockpile the material in a manner and method that is not injurious to the mixture or its performance as a patching material. The stockpile shall be kept free from all contamination. Stockpiling shall be in accordance with the manufacturer's recommendations with the exception that the material shall be able to be stockpiled either indoors or outdoors under naturally prevailing weather conditions.

## **SECTION M.04**

### **DRAINAGE**

#### **M.04.01 CONCRETE, CLAY, FIBER AND PLASTIC PIPE.**

**M.04.01.1 Non-reinforced Concrete Pipe.** Pipe shall conform to the requirements of AASHTO M86 and **SECTION 601** of these Specifications for the specified diameters and strength classes.

**M.04.01.2 Reinforced Concrete Pipe.** Pipe shall conform to the requirements of AASHTO M170 and **SECTION 601** of these Specifications for the specified diameters and strength classes. Elliptical pipe shall also conform to the requirements of AASHTO M207. Unless otherwise specified, pipe wall design and use of elliptical reinforcement in circular pipe are optional.

Precast reinforced concrete end sections shall conform to the requirements of the cited Specifications to the extent to which they apply.

**M.04.01.3 Perforated Concrete Pipe.** Pipe shall conform to the requirements of AASHTO M175 and **SECTION 601** of these Specifications for the specified diameters and strength classes.

**M.04.01.4 Concrete and Clay Drain Tile.** Pipe shall conform to the requirements of **SECTION 601** of these Specifications and AASHTO M178 or M179 for the specified material, diameters and quality classes. When specified, the pipe spigot shall have integral spacer lugs to provide for an annular opening and self-centering feature.

**M.04.01.5 Porous Concrete Pipe.** Pipe shall conform to the requirements of AASHTO M176 and **SECTION 601** of these Specifications for the specified diameters.

**M.04.01.6 Vitrified Clay Lined Reinforced Concrete Pipe.** Designs for fully lined or half lined pipes of the specified strength classes shall be submitted by the manufacturer for approval. The applicable requirements of **SECTION 601**, AASHTO M170 and M65 shall govern. Liner, or liner elements, shall be vitrified clay of first quality, sound, thoroughly and perfectly burned without warps, cracks, or other imperfections, and fully and smoothly salt glazed..

**M.04.01.7 Clay Pipe.** Pipe shall conform to the requirements of AASHTO M65, for pipe with full circular cross section, for the specified diameter and strength class. When specified, the bell shall have integral spacer lugs to provide for an annular opening and self-centering feature.

**M.04.01.8 Vitrified Clay Pipe.** Pipe shall conform to the requirements of AASHTO M65 for the specified diameters and strength classes for circular, unperforated pipe. When so specified, the bell shall have integral spacer lugs to provide for an annular opening and self-centering feature.

**M.04.01.9 Cradle Invert Clay Pipe.** Pipe shall conform to the applicable requirements of AASHTO M65.

**M.04.01.10 Plastic Sewer Pipe.** Plastic sewer pipe to be used as pipe culvert shall conform to the applicable requirements of WW-P-00380 (GSA-FSS) and the following additional stipulations.

a. **Purpose.** The purpose of this Specification is to provide a standard for large diameter plastic sewer pipe jointed by means of solvent welding.

**b. Pipe Sizes and Dimensions.**

1. Pipe shall be furnished in the following diameter:

Size	Nominal O.D.	Maximum Wall	Nominal Wall
12"	12.50"	0.500"	0.250"

2. Standard length of plastic sewer pipe shall be 10 feet.

3. Pipe sections shall be furnished with a plastic sleeve coupling which may be solvent welded to the one end of the pipe section.

**c. Physical and Chemical Properties.**

1. **Crushing Strength.** Crushing strength of the finished pipe shall be a minimum of 1,200 pounds per linear foot as determined by ASTM C301 (Sand Bearing Method Section 8).

2. **Straightness.** The maximum ordinate as measured from the concave side of the pipe must not exceed 1/4-inch per foot of pipe length.

3. **Quality and Appearance.** Pipe shall be free from defects, bubbles and other imperfections in accordance with accepted commercial practice.

4. **Joint Tightness.** Solvent welded connections shall be capable of standing an internal pressure of 10 psi for a period of 24 hours without leakage.

**M.04.01.11 Perforated Corrugated Polyethylene Drainage Pipe.** This classification of pipe shall conform to the requirements of AASHTO M252 and M294.

**M.04.01.12 Perforated and Unperforated Polyvinyl Chloride Pipe.** This classification of pipe shall conform to the requirements of AASHTO M278.

**M.04.02 METAL PIPE.**

**M.04.02.1 Ductile Iron Pipe.** This pipe shall conform to the requirements of ASTM A716 for the specified diameters and strength classes. Unless otherwise specified, either smooth, corrugated or ribbed pipe may be furnished. Pipe of diameter in excess of 48 inches shall conform to the USASI Standard for Cast Iron Pipe for the specified diameter and strength class.

**M.04.02.2 Corrugated Steel Pipe and Pipe Arches.** These conduits and the coupling bands shall conform to the requirements of AASHTO M36 for the specified sectional dimensions and gauges. Shop-formed elliptical pipe and shop-strutted pipe shall be furnished where specified.

Special sections, such as elbows and flared end sections, for these conduits shall be of the same gauge as the conduit to which they are joined, and shall conform to the applicable requirements of AASHTO M36.

**M.04.02.3 Bituminous Coated Corrugated Metal Pipe and Pipe Arches.** These conduits and the coupling bands shall conform to the requirements of AASHTO M190 for the specified sectional dimensions, gauges, and type of bituminous coating. Coupling bands shall be fully coated with bituminous material. Shop-formed elliptical pipe and shop-strutted pipe shall be furnished where specified.

Special sections, such as elbows and flared end sections, for these conduits shall be of the same gauge as the conduit to which they are joined, and shall conform to the applicable requirements of AASHTO M190. Coating and invert paving shall be of the type specified.

**M.04.02.4 Perforated Corrugated Steel Pipe for Underdrains.** Pipe shall conform to the requirements of AASHTO M36 Type III for the specified diameters. Unless otherwise specified, any one of four types may be furnished.

**M.04.02.5 Bituminous Coated Perforated Corrugated Metal Pipe for Underdrains.** Pipe shall conform to the requirements of AASHTO M190 and shall be coated with a Type A coating installed on AASHTO M36 Type III pipe. Coupling bands shall be fully covered.

**M.04.02.6 Corrugated Aluminum Pipe.** Pipe shall conform to the requirements of AASHTO M196 and M197.

Special sections, such as elbows and flared end sections, for these conduits shall be of the same gauge as the conduit to which they are joined, and shall conform to the applicable requirements of AASHTO M196 and M197.

**M.04.02.7 Perforated Corrugated Aluminum Alloy Pipe for Underdrains.** Pipe shall conform to the requirements of AASHTO M196 and M197.

Special sections, such as elbows and flared end sections, for these conduits shall be of the same gauge as the conduit to which they are joined, and shall conform to the applicable requirements of AASHTO M196 and M197.

**M.04.02.8 Smooth-Lined Corrugated Metal Pipe.** Smooth-lined Corrugated Metal Pipe shall be manufactured with a smooth metal interior liner and a corrugated exterior core helically wound and lock-seamed to form a strong, integrated mechanical bond. Liner and culvert are fabricated from aluminum or galvanized steel and may be asphalt coated or uncoated as shown on the Plans. The gauge of the outer core shall conform to AASHTO M36 for galvanized metal pipe and AASTHO M196 for aluminum alloy pipe.

Special sections, such as elbows and flared end sections, for these conduits shall be of the same gauge as the conduit to which they are joined, and shall conform to the applicable requirements of AASHTO M36 and M196.

**M.04.02.9 Cast Iron Soil Pipe.** Cast iron soil pipe shall conform to ASTM A74.

**M.04.02.10 Pipe Joints.**

a. **Joint Mortar.** Pipe joint mortar shall conform to the requirements of Subsection M.04.03.5 of this Section.

b. **Rubber Gaskets.** The ring gaskets shall conform to the requirements of AASHTO M198.

c. **Oakum.** Oakum for joints shall be made of hemp line, thoroughly corded and finished, and free from lumps and dirt.

d. **Bituminous Joint Materials.** Bituminous joint materials shall conform to Subsection M.03.02.1 of these Specifications.

**M.04.03 CATCH BASINS, MANHOLES, DROP INLETS, PAVED WATERWAYS AND MISCELLANEOUS SMALL STRUCTURES.** The materials used for the construction of catch basins, manholes, drop inlets and paved waterways shall conform to the following requirements.

**M.04.03.1 Clay Brick.** Brick shall conform to the requirements of one of the following Specifications:

Sewer Brick: AASHTO M91, Grade SS or SM.

Building Brick: AASHTO M114, Grade SW.

**M.04.03.2 Bituminous Concrete for Paved Waterways.** This material shall conform to the mix requirements for Type I-2 pavement specified in Subsection M.03.01 of these Specifications.

**M.04.03.3 Concrete Masonry Blocks.** Concrete masonry blocks may be rectangular or segmented and, when specified, shall have ends shaped to provide interlock at vertical joints. The blocks shall conform to the requirements of ASTM C139. Dimensions and tolerances shall be as individually specified.

**M.04.03.4 Hydrated Lime.** Hydrated lime shall conform to the latest requirements of ASTM C207, Type N.

**M.04.03.5 Mortar.** Mortar shall consist of one (1) part masonry cement, Type N, two (2) parts sand and, if required by the Engineer, hydrated lime not to exceed 10 percent by volume of the cement used. Mortar sand shall conform to the requirements of AASHTO M45. Mortar shall be used within 45 minutes after its preparation.

**M.04.03.6 Frames, Grates and Covers, and Ladder Rungs.** Metal units shall conform to the plan dimensions and to the following Specification requirements for the designated materials.

a. **Gray Iron Castings** shall conform to the requirements of AASHTO M105. Strength class shall be optional unless otherwise designated.

b. **Carbon-steel Castings** shall conform to the requirements of AASHTO M103. Grade shall be optional unless otherwise designated.

c. **Structural Steel** shall conform to the requirements of ASTM A283, Grade B or better.

**Contract Terms and Conditions**

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**Terms and Conditions**

**BID STANDARD TERMS AND CONDITIONS**

**TERMS AND CONDITIONS FOR THIS BID**

**RIVIP INFO - BID SUBMISSION REQUIREMENTS**

It is the Vendor's responsibility to check and download any and all addenda from the RIVIP. This offer may not be considered unless a signed RIVIP generated Bidder Certification Cover Form is attached and the Unit Price column is completed. The signed Certification Cover Form must be attached to the front of the offer. When delivering offers in person to One Capitol Hill, vendors are advised to allow at least one hour additional time for clearance through security checkpoints.

MAILING ADDRESS FOR BID PROPOSALS ISSUED BY THE STATE OF RHODE ISLAND,  
DIVISION OF PURCHASES

All Bid Proposals must be submitted by mail or hand delivered to:

- State of Rhode Island
- Department of Administration
- Division of Purchases, Second floor
- One Capitol Hill
- Providence, RI 02908-5855

**DIVESTITURE OF INVESTMENTS IN IRAN REQUIREMENT:**

No vendor engaged in investment activities in Iran as described in R.I. Gen. Laws §37-2.5-2(b) may submit a bid proposal to, or renew a contract with, the Division of Purchases. Each vendor submitting a bid proposal or entering into a renewal of a contract is required to certify that the vendor does not appear on the list maintained by the General Treasurer pursuant to R.I. Gen. Laws §37-2.5-3.

**PURCHASE AGREEMENT BID**

**BIDDING** (a) A single price shall be quoted for each item against which a proposal is submitted. This price will be the maximum in effect during the agreement period. Any price decline at the manufacturer's level shall be reflected in a reduction of the agreement price to the State. (b) Quantities, if any, are estimated only. The agreement shall cover the actual quantities ordered during the period. Deliveries will be billed at the single, firm, awarded unit price quoted regardless of the quantities ordered. (c) Bid price is net F.O.B. destination and shall include inside delivery at no extra cost. (d) Bids for single items and/or a small percentage of total items listed, may, at the State's sole option, be rejected as being non-responsive to the intent of this request. **ORDERING** (a) The User Agency(s) will submit individual orders for the various items and various quantities as may be required during the agreement period. (b) Exception - Regardless of any agreement resulting from this bid, the State reserves the right to solicit prices separately for any extra large requirements for delivery to specific destinations.

Mailing Address for Bid Proposals issued by the State of Rhode Island, Division of Purchases:

All Bid Proposals must be submitted to the following address:

State of Rhode Island  
Department of Administration  
Division of Purchases, 2nd Floor  
One Capitol Hill  
Providence, RI 02908

**DELIVERY PER AGENCY**

DELIVERY OF GOODS OR SERVICES AS REQUESTED BY AGENCY.

**MULTI YEAR AWARD**

THIS IS A MULTI-YEAR BID/CONTRACT. PER RHODE ISLAND STATE LAW 37-2-33, CONTRACT OBLIGATIONS BEYOND THE CURRENT FISCAL YEAR ARE SUBJECT TO AVAILABILITY OF FUNDS. CONTINUATION OF THE CONTRACT BEYOND THE INITIAL FISCAL YEAR WILL BE AT THE DISCRETION OF THE STATE. TERMINATION MAY BE EFFECTED BY THE STATE BASED UPON DETERMINING FACTORS SUCH AS UNSATISFACTORY PERFORMANCE OR THE DETERMINATION BY THE STATE TO DISCONTINUE THE GOODS/SERVICES, OR TO REVISE THE SCOPE AND NEED FOR THE TYPE OF GOODS/SERVICES; ALSO MANAGEMENT OWNER DETERMINATIONS THAT MAY PRECLUDE THE NEED FOR GOODS/SERVICES.