



**TOWN OF
NORTH KINGSTOWN, RHODE ISLAND**

**DEPARTMENT OF PUBLIC WORKS
2050 DAVISVILLE ROAD
NORTH KINGSTOWN, R.I. 02852
PHONE: (401) 294-3331
FAX: (401) 267-9036**

**REQUEST FOR BIDS
MISCELLANEOUS ROAD AND CONSTRUCTION MATERIALS
ANNUAL SUPPLY**

Sealed proposals for the above will be accepted in the Office of the Purchasing Agent, Town Hall, 80 Boston Neck Road, North Kingstown, RI 02852, until **11:00 A.M., March 15, 2011**, and will then be publicly opened and read aloud.

NO BIDS WILL BE ACCEPTED AFTER THE 11:00 A.M. DEADLINE.

The bid will be evaluated as to R.I.G.L. 45-55-5. (2) "Competitive Sealed Bidding" and the award shall be made on the basis of the lowest evaluated or responsive bid price.

Specifications may be obtained at the Purchasing Agent's Office, Town Hall, 80 Boston Neck Road, North Kingstown RI 02852, or on the Town's website: **www.northkingstown.org**

The Town of North Kingstown reserves the right to reject any or all proposals or parts thereof; to waive any formality in same, or accept any proposal deemed to be in the best interest of the Town.

The Town of North Kingstown will provide interpreters for the hearing impaired at any pre-bid or bid opening, provided a request is received three (3) days prior to said meeting by calling 294-3331, ext. 143.

**Francine Hall,
Clerk Specialist**

SELECTION CRITERIA

The bid will be evaluated as to R.I.G.L. 45-55-5. (2) "Competitive Sealed Bidding" and the award shall be made on the basis of the lowest evaluated or responsive bid price.

The following factors will be considered in determining the lowest evaluated or responsive bid price:

Unit bid Price;

Distance of the plant when picking up materials;

Overall low of items #13, 14, & 15, as determined by the Public Works Director;

Past performance by vendors offering;

Delivery date;

Past performance by brand name bid;

Early Payment Discount.

TOWN OF NORTH KINGSTOWN, RHODE ISLAND

INFORMATION FOR BIDDERS

ARTICLE 1. RECEIPT AND OPENING OF BIDS

Sealed bids must be submitted in SEALED ENVELOPES, addressed to the Administrative Office of the Department of Public Works, 2050 Davisville Road, North Kingstown, Rhode Island 02852, and clearly marked with the name of the item bid, and the date and time of opening. Bids will be received by the Director of Public Works up to the specified time as noted on the Invitation To bid, and publicly opened and read aloud at the specified time.

Proposals submitted for a specified item must not be combined under the same cover with any other bid item.

It is the bidder's responsibility to see that his bid is delivered within the time and at the place prescribed. Proposals received prior to the time of opening will be securely kept unopened. No responsibility will attach to any officer or person for the premature opening of a proposal not properly addressed and identified.

Any bid received after the time and date specified shall not be considered, by messenger or by mail, even if it is determined by the Town that such non-arrival before the time set for opening was due solely to delay in the mails for which the bidder is not responsible.

Conditional or qualified bids will not be accepted.

ARTICLE 2. PREPARATION OF BID

Each bid must be submitted on the prescribed form. All blank spaces for bid prices must be filled in, in ink or typewritten, both in words and figures. Erasures or other changes must be explained or noted over the signature of the bidder.

Each bid must be submitted in sealed envelopes, clearly labeled, so as to guard against opening prior to the time set therefore.

The Town may consider any bid not prepared and submitted in accordance with the provisions hereof and reserves the right to reject any or all proposals in whole or in part, toward any item, group of items, or total bid; to waive any technical defect or formality in same, or to accept any proposal deemed to be in the best interest of the Town.

In the event more than one item is requested and/or listed on the Proposal Form, bidders may bid on any or all items. The Town reserves the right to make award on an item for item basis or aggregately, whichever may be in the best interest of the Town.

ARTICLE 3. TELEGRAPHIC MODIFICATION

Telephonic, telegraphic or oral bids, amendments or withdrawals will not be accepted.

ARTICLE 4. WITHDRAWAL OF BIDS

Bids may be withdrawn personally or by written request at any time prior to the time specified for the opening. Bids may be modified in the same manner. Negligence on the part of the bidder in preparing the bid confers no right of withdrawal or modification of his bid after such bid has been opened.

ARTICLE 5. QUALIFICATIONS OF THE BIDDER

The Town reserves the right to request each bidder to present evidence that he is normally engaged in purveying the type of product or equipment bid on. No bid shall be considered from bidders who are unable to show that they are normally engaged in purveying the type of product or equipment specified in the bid proposal.

To receive full consideration, the bidder must submit literature and necessary details, when applicable, on the material or service he proposes to furnish in order that the Town may have full information available when analyzing the proposals.

ARTICLE 6. OBLIGATIONS OF THE BIDDER

At the time of opening of bids, each bidder will be presumed to have inspected the Specifications and Contract Documents (including all Addenda) which has been sent to the address given by such bidder. The failure or omission of any bidder to receive or examine any form, instrument, or document shall in no way relieve any bidder from any obligation in respect to his bid.

Any exceptions or deviations from the provisions contained in this Specification must be explained in detail and attached to proposal. If such deviations do not depart from the intent of this notice and are in the best interest of the Town, the proposal will receive careful consideration.

ARTICLE 7. "OR EQUAL" BIDDING

The Town intends to permit liberal scope in bidding and specifically does not intend to limit bidding to any one make or model. Whenever a material, article or piece of equipment is identified by reference to manufacturers' or vendors' names, trade names, catalogue numbers, etc., it is intended merely to establish a standard; and any proposed material, article, or equipment of other manufacturers and vendors which will perform adequately the duties imposed by the general design will be considered equally acceptable provided it is in the opinion of the Town to be of equal substance and function.

ARTICLE 8. PRICES

Bidders shall state the proposed price in the manner as designated in the Bid Proposal Form. In the event that there is a discrepancy between unit prices and the extended totals, the unit prices shall govern. In the event that there is a discrepancy between the price written in words and written in figures, the prices written in words shall govern.

In the event a column headed "Vendor's Offering" is provided in the bid proposal, enter your offering, compliance or non-compliance in each space. DO NOT enter dollar amounts.

The prices in this bid shall be irrevocable for ninety (90) days, or until the bid is awarded by the Town Council. After award by the Town Council, said prices shall then remain firm for the duration of the Contract.

ARTICLE 9. TAX EXEMPTIONS

The Town is exempt from payment of the Rhode Island Sales Tax under the 1956 General Laws of the State of Rhode Island, 44-18-30 Para. I, as amended. The Town is exempt from payment of Federal Excise Taxes. The prices bid must be exclusive of taxes and will be so construed. Exemption certificates will be completed as required by the successful bidder.

ARTICLE 10. DELIVERY

Delivery shall be F.O.B. North Kingstown, Rhode Island or as specified in the Special Provisions section.

ARTICLE 11. LAWS, ORDINANCES AND CODES

All applicable Federal and State Laws, Ordinances and Codes of the Town of North Kingstown and regulations of all authorities having jurisdiction over this Project shall apply to this contract the same as though written herein in full.

The Town of North Kingstown will not award the Contract to any Contractor who is, at the time, ineligible under the provisions of any applicable regulations issued by the Secretary of Labor, United States Department of Labor, or is not qualified under applicable Ordinances of the Town of North Kingstown, or the laws of the State of Rhode Island.

SPECIAL PROVISIONS

Unless otherwise specified herein, all material specifications shall adhere to the Rhode Island Department of Transportation Standard Specifications for Road and Bridge Construction, 2004 Edition.

The Vendor shall be aware that unit quantities offered for quotation are only approximated and are offered solely to establish unweighed and reliable unit prices for use throughout the fiscal year.

A sample consisting of approximately fifty (50) pounds may be made available to a representative of the Public Works Department for testing to determine if the materials meet specifications.

PICK-UP

Loading of materials shall be performed with a mechanical loader of at least one and one half (1 ½) cubic yard capacity. Materials will be loaded on Town trucks between the hours of 7:15 a.m. and 3:15 p.m., except Saturdays, Sundays and legal holidays.

DELIVERY

Materials will be delivered by the Vendor to the Town of North Kingstown Public Works Building, 2050 Davisville Road, North Kingstown (Davisville), North Kingstown, Rhode Island, or to 480 Oak Hill Road North Kingstown, Rhode Island between the hours of 7:30 a.m. and 3:15 p.m., except Saturdays, Sundays, and legal holidays, or to a specific job site within the Town.

CONTRACT PERIOD

Pricing is to remain firm from date of award by the Town Council, through **April 30, 2012**. If financially advantageous to the Town of North Kingstown, these contracts may be renewed or extended, from time to time, when agreed to, in writing, by both parties.

VENDORS ARE ENCOURAGED TO BID EACH ITEM SEPARATELY AS THE BID WILL BE AWARDED TO THE LOWEST EVALUATED OR RESPONSIVE BIDDER OF EACH MATERIAL

**SPECIFICATIONS AND PROVISIONS
FOR
*MISCELLANEOUS ROAD AND CONSTRUCTION MATERIALS***

- 1. Bank Run Gravel**
- 2. Processed Gravel**
- 3. Crushed Stone or Crushed Gravel**
- 4. Brick Sand**
- 5. Portland & Masonry Cement**
- 6. Concrete Materials**
- 7. Precast Concrete Block**
- 8. Loam**
- 9. Infield Mix**
- 10. Bituminous Concrete Materials**
- 11. Permanent Stockpile Patching Material**
- 12. Stone Riprap**
- 13. Pipe, Spiral, Aluminum**
- 14. Pipe, Reinforced Concrete**
- 15. Pipe, HDPE, Corrugated smooth core**
- 16. Filter Fabric**

ITEM 1 - BANK RUN GRAVEL SPECIFICATIONS

Bank Run Gravel

(Section M.01.02.1 Bank Run or Plant-Processed Sand and Gravel, in Rhode Island Department of Transportation Standard Specifications for Road and Bridge Construction, 2004 Edition). Bank run or plant-processed sand and gravel proposed for Gravel Borrow shall be well-graded and meet the gradation requirements specified in Subsection M.01.09. In addition, the maximum particle size shall not exceed 9 inches or three-fourths of the loose lift thickness, whichever is smaller. The material shall consist of sound, tough, durable particles of crushed or uncrushed gravel, free of loam, clay, vegetable matter or other deleterious substances and soft elongated pieces of rock or laminated pieces. This material shall meet the following gradation requirements:

<u>Sieve Size</u>	<u>Gradation and Passing</u>
3"	60 to 100%
1/2"	50 to 85%
3/8"	45 to 80%
#4	40 to 75%
#40	0 to 45%
#200	0 to 10%

ITEM 2 - PROCESSED GRAVEL SPECIFICATIONS

Processed Gravel

(Section M.01.02 GRAVEL BORROW, in Rhode Island Department of Transportation Standard Specifications for Road and Bridge Construction, 2004 Edition). Gravel borrow shall consist of bank run sand and gravel or plant processed, crushed or uncrushed gravel with fine aggregate added as filler. Alternatively, Gravel Borrow may consist of selected materials which have been reclaimed from within project limits, are proportioned and processed to produce granular material for reuse as Gravel Borrow within the source project limits. Gravel Borrow, whether consisting of bank run or plant processed sand and gravel, or reclaimed and processed granular material, shall consist of sound, durable particles free from loam, clay, organic soil, vegetative matter, soft and elongate particles. The material shall be hard and durable enough to resist weathering, traffic abrasion and crushing. This material shall meet the following gradation requirements:

<u>Sieve Size</u>	<u>Gradation and Passing</u>
3"	100%
1 1/2"	70 to 100%
3/4"	50 to 85%
#4	30 to 55%
#50	8 to 25%
#200	2 to 10%

ITEM 3 – CRUSHED STONE OR CRUSHED GRAVEL SPECIFICATIONS

Crushed Stone or Crushed Gravel

(Section M.01.09 GRADATION of AGGREGATES, in Rhode Island Department of Transportation Standard Specifications for Road and Bridge Construction, 2004 Edition). Materials shall consist of clean, sound, tough, durable rock, free from loam, clay, vegetable matter, and shall not contain more than one percent (1%) crusher dust by weight. This material shall meet the following gradation requirements:

<u>Sieve Size</u>	<u>Gradation and Passing</u>
2 ¼"	100%
2"	90 to 100%
1 ½"	30 to 55%
1 ¼"	0 to 25%
1"	0 to 5%

ITEM 4 - BRICK SAND SPECIFICATIONS

Brick Sand (or aggregate for use in masonry mortar)

Brick sand shall consist of natural sand or manufactured sand. The sand shall consist of sound, tough, durable particles of aggregate, free of loam, clay, vegetable matter or other deleterious substances and conform to AASHTO Designation: M 45. The material shall meet the following gradation requirements:

<u>Sieve Size</u>	<u>Percent Passing</u>	
	<u>Natural Sand</u>	<u>Manufactured Sand</u>
#4	100%	100%
#8	95 to 100%	95 to 100%
#16	70 to 100%	70 to 100%
#30	40 to 75%	40 to 75%
#50	10 to 35%	20 to 40%
# 100	2 to 15%	10 to 25%
#200	0 to 5%	0 to 10%

ITEM 5 - PORTLAND CEMENT AND MASONRY CEMENT SPECIFICATIONS

- A. Portland Cement is hydraulic cement produced by pulverizing clinker consisting essentially of hydraulic calcium silicates usually containing one or more of the forms of calcium sulfate as an interground addition. Portland cement for this bid item shall conform to AASHTO Designation: M 85 Type 1. When cement is obtained in packages, the words “Portland Cement”, “Type 1” cement, the name and brand of the manufacturer, and mass of the cement contained therein shall be plainly marked on each package.
- B. Masonry Cement, (also Mortar) is hydraulic cement for use in mortars for masonry construction, containing one or more of the following materials: portland cement, portland-pozzolan cement, natural cement, slag cement or hydraulic lime; and in addition usually containing one or more materials such as hydrated lime, limestone, chalk, calcareous shell, talc, slag, or clay, as prepared for his purpose. The masonry cement for this bid item shall conform to AASHTO Designation: M 240. When masonry cement is obtained in packages, the brand, the name of manufacturer, and net weight of package in pounds shall be plainly indicated thereon.

ITEM 6 - PORTLAND CEMENT CONCRETE SPECIFICATIONS

- A. More or less ten (10) cubic yards of Portland Cement Concrete for various purposes to be furnished in vendor’s mixer, as required in accordance with the following:
- One (1) yard minimum order.
 - Concrete shall meet requirements of Part 600, Section 603 Controlled Low Strength Material and Section M.02 for materials as specified in Rhode Island Department of Transportation Standard Specifications for Road and Bridge Construction, 2004 Edition.
- B. More or less ten (10) cubic yards of Controlled Low Strength Material (CLSM) or “Flowable Concrete Fill” for various purposes to be furnished in Vendor’s mixer, as required in accordance with the following.
- One (1) yard minimum order.
 - Concrete shall meet requirements of Part 600, Section 603 Controlled Low Strength Material and Section M.02 for materials as specified in Rhode Island Department of Transportation Standard Specifications for Road and Bridge Construction, 2004 Edition.

ITEM 7 - PRECAST CONCRETE BLOCK

Precast Concrete Block

Blocks shall consist of Portland Cement Concrete homogeneous in nature. The concrete shall meet requirements of Part 600, Section 603 Controlled Low Strength Material and Section M.02 for materials as specified in Rhode Island Department of Transportation Standard Specifications for Road and Bridge Construction, 2004 Edition. The block shall measure Sixty (60”) inches long, Thirty-Six (36”) inches wide and Thirty-Two (32”) inches high. The faces of the block shall be flat and smooth. The blocks shall be at least 28 days old.

ITEM 8 - LOAM SPECIFICATIONS

A. Screened loam

(Section M.18.01 LOAM, as specified in Rhode Island Department of Transportation Standard Specifications for Road and Bridge Construction 2004 Edition). The material to be furnished shall consist of screened loose, friable, fine sandy loam or sandy loam, as defined by the USDA's Soil Conservation Service in the Soil Survey Manual issued in 1993, free of subsoil, refuse, stumps, roots, rocks, cobbles, stones, brush, noxious weeds, litter and other materials which are larger than ½-inch in any dimension and which will prevent the formation of a suitable seed bed. Organic matter shall constitute not less than Five (5%) Percent nor more than Twenty (20%) percent of the loam as determined by loss-on-ignition of oven dried samples that have been drawn by the Engineer, unless otherwise specified or directed. The loam shall have an acidity range of 5.5 pH to 7.6 pH. The Contractor shall notify the Department of Public Works the intended source of loam to be employed at least two (2) weeks prior to the intended time of use to allow time for sampling. If, after the testing of the samples, the loam is found unsatisfactory for the intended use, the Director of Public Works may require, as a prerequisite for acceptance, that the contractor, without additional compensation, add to the loam proposed by him for use such as lime, particular fertilizer, or particular humus as is necessary to render the loam suitable.

B. Unscreened loam

Unscreened loam has same specifications as described above but unscreened. The Town reserves the right to inspect the unscreened loam prior to delivery and reject any loads which do not conform to the loam specifications above.

ITEM 9 - INFIELD MIX SPECIFICATIONS

A composite soil of fine sand, silt, and clay; devoid of particles larger than 0.1 mm; light brown to tan in color. It shall possess a gluey consistency when moist and conform to the following physical and chemical properties.

<u>Material</u>	<u>Ratio</u>
Sand	30 to 35%
Silt	25 to 35%
Clay	20 to 30%
Organic Matter	1 to 3%
PH	5 to 7

ITEM 10 - BITUMINOUS CONCRETE SPECIFICATIONS

A. More or less five hundred (500) tons of Bituminous Concrete to be furnished and loaded on Town trucks in accordance with specifications as follows:

Bituminous Concrete shall be classified as Type I-1 and manufactured in accordance with requirements of Part 400, Section 401 Dense Graded Bituminous Concrete Pavements and Section M.03 as specified in the Rhode Island Department of Transportation Standard Specification for Road and Bridge Construction, 2004 Edition.

Weight slips listing exact material weights of materials used in the preparation of each batch of Bituminous Concrete will be required. This will be a computer printout slip. The successful bidder shall utilize a batch plant operation. Material must be available to the Town on an “as needed” basis. Prior notice for ordering material shall not be required.

B. More or less three hundred (300) tons of Bituminous Concrete Berm Mix to be furnished and loaded on Town trucks in accordance with specifications as follows:

Bituminous Concrete shall be classified as Type I-2 and manufactured in accordance with requirements of Part 400, Section 401 Dense Graded Bituminous Concrete Pavements and Section M.03 as specified in the Rhode Island Department of Transportation Standard Specification for Road and Bridge Construction, 2004 Edition.

Weight slips listing exact material weights of materials used in the preparation of each batch of Bituminous Concrete will be required. This will be a computer printout slip. The successful bidder shall utilize a batch plant operation. Material must be available to the Town on an “as needed” basis. Prior notice for ordering material shall not be required.

C. More or less four hundred (400) tons of Bituminous Concrete Cold Patch to be furnished and loaded on Town trucks or delivered to the Town’s highway garage with following specifications:

Bituminous Concrete for Patching (Cold Patch) shall consist of a mixture of course aggregate, fine aggregate, mineral filler, if necessary, and designated bitumen combined to meet the composition limits by weight and other characteristics as shown in TABLE 1.

Materials shall conform to the requirements of Section M.03 Materials, Rhode Island Department of Transportation Standard Specifications for Road and Bridge Construction 2004 Edition.

The contractor shall submit for approval, a job mix formula. A standard approved anti-stripping compound must be used to give the asphalt more affinity to the aggregate. The Asphalt Cold Patch must be capable of being stockpiled and must be workable at all times. Weight slips will be required. This will be a computer printout slip. Delivery time for the Asphalt Cold Patch should be no more than two (2) days.

TABLE 1

Sieve Size	% Passing by Weight
½”	100%
¾”	95 to 100%
#4	55 to 75%
#8	35 to 75%
#30	18 to 32%
#50	12 to 24%
#200	03 to 08%
 Bitumen Content	 06-08%
Type & Grade	MC 250
Retained Coating AASHTO T-182	95% Min

MIXTURE TOLERANCES

Passing #4 and larger sieve	+/- 7%
Passing # 100 to #8 sieve	+/- 4%
Passing #200 sieve	+/- 2%
Bitumen	+/- 0.4%

ITEM 11 - PERMANENT STOCKPILE PATCHING MATERIAL SPECIFICATIONS

Permanent Stockpile Patching Material

High Performance Permanent Cold Patch is a modified asphalt concrete mixture that is plant mixed of highest quality locally selected crushed aggregate. The patch material can be stockpiled year round and left uncovered without any appreciable loss in workability or cohesiveness. The patch material must be usable under all weather conditions, with superior adhesion to both wet and dry surfaces, as well as steel, wood or concrete without any additional tack coat or primers. The patch material shall consist of aggregates and bituminous liquid as specified below:

Aggregate		
<u>Sieve Size</u>		<u>Gradation Passing</u>
	3/4"	100%
	#4	20 to 55%
	#8	5 to 30%
	#16	0 to 10%
	#50	0 to 6%
	#200	0 to 2%
ASTM C-131	Los Angeles Abrasion	40% Maximum
ASTM C-123	Soft Aggregates	3% Maximum
Bituminous Liquid		
ASTM D-2170	Kinetic Viscosity @ 140°F	300-4000
ASTM D-1310	Flashpoint (TOC)	200°F Minimum
ASTM D-402	Distillate Test: (Volume)	
	to 457°F	None
	to 500°F	0 to 5%
	to 600°F	72 to 95%
	Residue Tests	
ASTM D-2171	Abs. Viscosity @ 140°F	125 to 425 Poises
ASTM D-5	Penetration	200 Minimum
ASTM D-113	Ductility @ 39°F	100 Minimum
ASTM D-2042	Solubility in Trichloroethylene	99% Minimum

The patch material shall be plant mixed with following constraints: The liquid asphalt material should be heated to 160 - 180°F. The aggregate should be heated to 150°F. The liquid portion should be a minimum of 4.5% and maximum of 6.0% by weight of the mix. A job mix formula shall be submitted to the Town and provide: Aggregate gradation band and aggregate type, Bituminous material amount and type including any additives used, Temperature ranges for material preparation.

ITEM 12 - RIPRAP SPECIFICATIONS

Riprap

(Section M.10.03 RIPRAP, as specified in Rhode Island Department of Transportation Standard Specifications for Road and Bridge Construction 2004 Edition). Riprap shall consist of broken stone produced from sound ledge or large boulders with at least three fractured faces on each particle and shall be free from overburden, spoil, shale or organic material. The stone shall have a minimum density of 160 pounds per cubic foot. It shall be angular in shape with its minimum dimension not less than one third of the maximum dimension. Stone for Placed Riprap shall have one flat face and shall be roughly square or rectangular to facilitate lying up.

Stone for Riprap shall meet the quality requirements of this subsection and shall conform to one of the following designations. In addition, such stone shall be well graded within the size specified.

GRADED RIPRAP STONE ⁽¹⁾

Modified NSA No.	<u>Size Inches (square openings)</u>		
	<u>100%Passing</u>	<u>0-50%Passing</u>	<u>0-15%Passing</u>
R-1	2	1	No.4
R-2	4	2	1
R-3	8	4	2
R-4	14	7	4
R-5	20	10	6
R-6	26	13	8
R-7	34	18	14
R-8	50	24	18

Notes: 1) REFERENCE: National Stone Association Manual: "Quarried Stone for Erosion and Sediment Control", dated 1978.

ITEM 13 – SPIRAL ALUMINUM PIPE SPECIFICATIONS

Aluminum Pipe

(Section M.04.02.6 Corrugated Aluminum Pipe, as specified in Rhode Island Department of Transportation Standard Specifications for Road and Bridge Construction 2004 Edition). Pipe shall conform to the requirements of AASHTO M196 and M197.

(Section M.04.02.7 Perforated Corrugated Aluminum Alloy Pipe for Under drains, as specified in Rhode Island Department of Transportation Standard Specifications for Road and Bridge Construction 2004 Edition). Pipe shall conform to the requirements of AASHTO M196 and M197.

ITEM 14 – REINFORCED CONCRETE PIPE SPECIFICATIONS

Reinforced Concrete Pipe (RCP)

(Section M.04.01.2 Reinforced Concrete Pipe, as specified in Rhode Island Department of Transportation Standard Specifications for Road and Bridge Construction 2004 Edition). 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.

ITEM 15 – (HDPE) CORRUGATED, SMOOTH CORE PIPE SPECIFICATIONS

CORRUGATED, SMOOTH CORE PIPE SPECIFICATIONS (HDPE)

HDPE pipe is manufactured in accordance with specifications by ASTM and AASHTO. These specifications cover all aspects of HDPE pipe from materials to installation and testing.

AASHTO M252 Standard Specification for Corrugated Polyethylene Pipe (3" to 10")

AASHTO M294 Standard Specification for Corrugated Polyethylene Pipe (12" to 60")

ASTM D3350 Standard Specification for Polyethylene Plastic Pipe and Fittings Materials

ITEM 16 – SPUNBOUND NONWOVEN FILTER FABRIC SPECIFICATIONS

Filter Fabric

Non woven geotextiles / filter fabrics are designed for multi-purpose engineered use and provide tensile reinforcement, filtration, and separation for many civil engineering and construction uses. They are resistant to tears, soil chemicals, puncture, ultra violet light exposure, and are virtually unaffected by hydrocarbons, mildew, rot and freeze-thaw.

AASHTO M-288 Geotextile Specification for Highway Applications

Town of North Kingstown

PROPOSAL FORM

**TO: Town of North Kingstown
80 Boston Neck Road
North Kingstown RI 02852**

I, (We) the undersigned agree to furnish to the Town of North Kingstown, the following items at the firm price(s) quoted below, during the contract period, in accordance with the specifications as outlined:

Item 1. BANK RUN GRAVEL

- a. Picked up by Town \$ _____ ton
- b. Delivered by Vendor \$ _____ ton

Item 2. PROCESSED GRAVEL

- a. Picked up by Town \$ _____ ton
- b. Delivered by Vendor \$ _____ ton

Item 3. CRUSHED STONE OR CRUSHED GRAVEL

- a. Picked up by Town \$ _____ ton
- b. Delivered by Vendor \$ _____ ton

Item 4. BRICK SAND

- a. Picked up by Town \$ _____ ton
- b. Delivered by Vendor \$ _____ ton

Item 5. PORTLAND & MASONRY CEMENT

- A. (Portland)
 - a. Picked up by Town \$ _____/pallet
 - b. Delivered by Vendor \$ _____/pallet
 - a. Picked up by Town \$ _____/bag
 - b. Delivered by Vendor \$ _____/bag
- B. (Masonry)
 - a. Picked up by Town \$ _____/pallet
 - b. Delivered by Vendor \$ _____/pallet
 - a. Picked up by Town \$ _____/bag
 - b. Delivered by Vendor \$ _____/bag

Item 6. CONCRETE MATERIALS

- A. (Portland Cement Concrete)
 - One cubic yard \$ _____ c.y.
 - Two cubic yards \$ _____ c.y.
 - Three cubic yards \$ _____ c.y.
 - Four cubic yards \$ _____ c.y.
 - Five cubic yards \$ _____ c.y.
 - Six or more cubic yards \$ _____ c.y.

VENDOR SIGNATURE: _____

- B. (Flowable Concrete Fill) One cubic yard \$ _____ c.y.
- Two cubic yards \$ _____ c.y.
- Three cubic yards \$ _____ c.y.
- Four cubic yards \$ _____ c.y.
- Five cubic yards \$ _____ c.y.
- Six or more cubic yards \$ _____ c.y.

Item 7. PRECAST CONCRETE BLOCKS

- a. Picked up by Town \$ _____ each
- b. Delivered by Vendor \$ _____ each

Item 8. LOAM

- A. (Screened)
 - a. Picked up by Town \$ _____ ton
 - b. Delivered by Vendor \$ _____ ton
- B. (Unscreened)
 - a. Picked up by Town \$ _____ ton
 - b. Delivered by Vendor \$ _____ ton

Item 9. INFIELD MIX

- a. Picked up by Town \$ _____ ton
- b. Delivered by Vendor \$ _____ ton

Item 10. BITUMINOUS CONCRETE

- A. (Class I-1) Batch Plant Location: _____
 - a. Picked up by Town \$ _____ ton
 - b. Delivered by Vendor \$ _____ ton
- B. (Class I-2) Batch Plant Location: _____
 - a. Picked up by Town \$ _____ ton
 - b. Delivered by Vendor \$ _____ ton
- C. (Cold Patch) Batch Plant Location: _____
 - 1. Picked up by Town \$ _____ ton
 - 2. Delivered by Vendor \$ _____ ton

Item 11. PERMANENT STOCKPILE PATCHING MATERIAL

- a. Picked up by Town \$ _____ ton
- b. Delivered by Vendor \$ _____ ton

Item 12. STONE RIPRAP

- a. Picked up by Town \$ _____ ton
- b. Delivered by Vendor \$ _____ ton

VENDOR SIGNATURE: _____

Item 13. PIPE, SPIRAL ALUMINUM

A. (Solid)

6" - 18ga.	a. Picked up by Town	\$ _____ /ft.
	b. Delivered by Vendor	\$ _____ /ft.
8" - 18ga.	a. Picked up by Town	\$ _____ /ft.
	b. Delivered by Vendor	\$ _____ /ft.
12" - 18ga.	a. Picked up by Town	\$ _____ /ft.
	b. Delivered by Vendor	\$ _____ /ft.
15" - 18ga.	a. Picked up by Town	\$ _____ /ft.
	b. Delivered by Vendor	\$ _____ /ft.
18" - 18ga.	a. Picked up by Town	\$ _____ /ft.
	b. Delivered by Vendor	\$ _____ /ft.
24" - 18ga.	a. Picked up by Town	\$ _____ /ft.
	b. Delivered by Vendor	\$ _____ /ft.

B. (Perforated)

6" - 18ga.	a. Picked up by Town	\$ _____ /ft.
	b. Delivered by Vendor	\$ _____ /ft.
8" - 18ga.	a. Picked up by Town	\$ _____ /ft.
	b. Delivered by Vendor	\$ _____ /ft.
12" - 18ga.	a. Picked up by Town	\$ _____ /ft.
	b. Delivered by Vendor	\$ _____ /ft.
15" - 18ga.	a. Picked up by Town	\$ _____ /ft.
	b. Delivered by Vendor	\$ _____ /ft.
18" - 18ga.	a. Picked up by Town	\$ _____ /ft.
	b. Delivered by Vendor	\$ _____ /ft.
24" - 18ga.	a. Picked up by Town	\$ _____ /ft.
	b. Delivered by Vendor	\$ _____ /ft.

Item 14. PIPE, REINFORCED CONCRETE

A. (Class III)

12"	a. Picked up by Town	\$ _____ /ft.
	b. Delivered by Vendor	\$ _____ /ft.
15"	a. Picked up by Town	\$ _____ /ft.
	b. Delivered by Vendor	\$ _____ /ft.
18"	a. Picked up by Town	\$ _____ /ft.
	b. Delivered by Vendor	\$ _____ /ft.
24"	a. Picked up by Town	\$ _____ /ft.
	b. Delivered by Vendor	\$ _____ /ft.

VENDOR SIGNATURE: _____

(Class III continued)

- 30" a. Picked up by Town \$ _____ /ft.
b. Delivered by Vendor \$ _____ /ft.
- 36" a. Picked up by Town \$ _____ /ft.
b. Delivered by Vendor \$ _____ /ft.

B. (Class IV)

- 12" a. Picked up by Town \$ _____ /ft.
b. Delivered by Vendor \$ _____ /ft.
- 15" a. Picked up by Town \$ _____ /ft.
b. Delivered by Vendor \$ _____ /ft.
- 18" a. Picked up by Town \$ _____ /ft.
b. Delivered by Vendor \$ _____ /ft.
- 24" a. Picked up by Town \$ _____ /ft.
b. Delivered by Vendor \$ _____ /ft.
- 30" a. Picked up by Town \$ _____ /ft.
b. Delivered by Vendor \$ _____ /ft.
- 36" a. Picked up by Town \$ _____ /ft.
b. Delivered by Vendor \$ _____ /ft.

C. (Class V)

- 12" a. Picked up by Town \$ _____ /ft.
b. Delivered by Vendor \$ _____ /ft.
- 15" a. Picked up by Town \$ _____ /ft.
b. Delivered by Vendor \$ _____ /ft.
- 18" a. Picked up by Town \$ _____ /ft.
b. Delivered by Vendor \$ _____ /ft.
- 24" a. Picked up by Town \$ _____ /ft.
b. Delivered by Vendor \$ _____ /ft.
- 30" a. Picked up by Town \$ _____ /ft.
b. Delivered by Vendor \$ _____ /ft.
- 36" a. Picked up by Town \$ _____ /ft.
b. Delivered by Vendor \$ _____ /ft.

VENDOR SIGNATURE: _____

Item 15. PIPE, (HDPE), CORRUGATED, SMOOTH CORE

A. (Solid)

12"	a. Picked up by Town	\$ _____ /ft.
	b. Delivered by Vendor	\$ _____ /ft.
15"	a. Picked up by Town	\$ _____ /ft.
	b. Delivered by Vendor	\$ _____ /ft.
18"	a. Picked up by Town	\$ _____ /ft.
	b. Delivered by Vendor	\$ _____ /ft.
24"	a. Picked up by Town	\$ _____ /ft.
	b. Delivered by Vendor	\$ _____ /ft.
30"	a. Picked up by Town	\$ _____ /ft.
	b. Delivered by Vendor	\$ _____ /ft.
36"	a. Picked up by Town	\$ _____ /ft.
	b. Delivered by Vendor	\$ _____ /ft.

B. (Perforated)

12"	a. Picked up by Town	\$ _____ /ft.
	b. Delivered by Vendor	\$ _____ /ft.
15"	a. Picked up by Town	\$ _____ /ft.
	b. Delivered by Vendor	\$ _____ /ft.
18"	a. Picked up by Town	\$ _____ /ft.
	b. Delivered by Vendor	\$ _____ /ft.
24"	a. Picked up by Town	\$ _____ /ft.
	b. Delivered by Vendor	\$ _____ /ft.
30"	a. Picked up by Town	\$ _____ /ft.
	b. Delivered by Vendor	\$ _____ /ft.
36"	a. Picked up by Town	\$ _____ /ft.
	b. Delivered by Vendor	\$ _____ /ft.

Item 16. SPUNBOUND NONWOVEN FILTER FABRIC @ minimum 120 mils, 12.5' wide rolls, 400' long

a. Picked up by Town	\$ _____ /400' roll
b. Delivered by Vendor	\$ _____ /400' roll

VENDOR SIGNATURE: _____

Pricing is to remain firm from date of award by the Town Council, through **April 30, 2012**.

TERMS: _____

DISCOUNT FOR EARLY PAYMENT: _____

COMPANY NAME: _____

ADDRESS: _____

DISTANCE FROM PICKUP LOCATION TO:
2050 DAVISVILLE ROAD
NORTH KINGSTOWN, RI 02852 _____

SIGNATURE: _____

(Please print name and title)

E-mail address: _____

TEL: _____ **DATE:** _____