



TOWN OF EAST WINDSOR ENGINEERING & PUBLIC WORKS

11 Rye Street, Broad Brook, CT 06016

Leonard J. Norton, P.E. - Director of Public Works/Town Engineer- Phone (860) 292-7073, Fax (860) 292-7072

RFP Documents – East Windsor Public Works Drainage Improvements

East Windsor, CT – November 23, 2015

East Windsor Request for Proposal

Proposals will be submitted to the Director of Public Works/Town Engineer, 6 Woolam Rd East Windsor, CT 06088, December 4, 2015 by 11:00am, 2015. The project involves the installation of a manhole, discharge pipe with flared end and preformed scour hole. In accordance with the plan entitled Drainage Repair Plan, Prepared for Town of East Windsor, Department of Public Works, 6 Woolam Road East Windsor, Connecticut, Dated August 26, 2015. Work to be completed during this construction season. All work shall be based on the unit bid price. Work needs to be complete within 15 days of start date. Bid specifications are available in the Public Work Department, 6 Woolam Rd East Windsor CT 06088, Monday, Tuesday, Thursday and Friday 7:30am-12:30pm.

INFORMATION FOR BIDDERS

Tax Exemption – Purchase of materials are exempt from Connecticut sales tax.

Site Inspection – Each proposer shall satisfy himself as to the nature and location of the work, the general and local conditions and all other matters which can in any way affect the work or the cost of successfully performing the work. Contractor is responsible to visit the site. All questions shall be submitted by email to Lnorton@eastwindsorct.com before 12:00pm, November 30, 2015.

Proposal – Each proposer shall fill in all blank spaces of the PROPOSAL FORM in ink with no changes made to the form. Each bid must be in a sealed envelope addressed to the Director of Public Works/Town Engineer, 11 Rye Street, Broad Brook, CT 06016.

Right to Reject Proposals – The town reserves the right to reject any or all proposals if it is the Town's best interest to do so. Proposals submitted or received after the scheduled closing time for receipt of bids will be rejected.

Acceptance of Proposals – Acceptance of proposal will be by notice of the Town Engineer.

Performance Bond – Not required

RFP FORM

The undersigned declares he has carefully examined the RFP Documents and location(s) of work for the above referenced project and proposes to perform the work at the following UNIT Prices:

Item No	Brief Description Of Work	Est Quant	Unit Price	Total Cost
1	Erosion Control	Lump Sum	\$	\$
2	Scour Hole	Lump Sum	\$	\$
3	18”RCP Drain Pipe With Flared End	14LF	\$	\$
4	Storm Manhole	1 EA	\$	\$
5	Catch Basin Oil Debris Trap	1 EA	\$	\$
6	Restoration to Include Turf Reinforcement Mat	Lump Sum	\$	\$

TOTAL PROPOSAL = \$ _____

WRITTEN _____ DOLLAR _____ CENTS

It is understood that the unit prices will control any contract awarded based on this proposals that the estimated quantities above are approximate and used only for the comparison of proposals, and that the products obtained by multiplying the above unit prices by estimated quantities and the total thereof have been inserted for the convenience of the proposer in order to facilitate consideration of this and other proposals.

The above prices include the cost of all work to complete the project whether specifically stated or not. Cost of mobilization and demobilization, miscellaneous clearing and grubbing, protection of items and any other work required to complete the project shall be included in the price stated above.

The time of completion for the project is 15 days from the starting date agreed to by the Town Engineer and Contractor.

The undersigned certifies that he has not colluded with any individual or firm that has a competitive interest in responding to this RFP.

Name of Firm: _____

Mailing Address: _____

Phone Number: _____

Signature of Proposer: _____ Title: _____

Name and Title (typewritten): _____

GENERAL CONDITIONS

Site Investigation – The contractor shall thoroughly investigate the site of the work and acquaint himself with all available information concerning the project. Failure to do so shall not relieve him from responsibility for properly estimating the difficulty or cost of successfully completing the project.

Measurements – The Contractor shall be responsible for any measurements.

Protection of Material and Work – The Contractor shall at all times protect and preserve all materials, supplies, equipment, property and completed work and he will be held responsible for any loss or damage by any cause including the elements.

Insurance – The Contractor shall have the required insurance which shall be maintained in force until all work performed on this project is completed. All policies shall hold harmless the Town of East Windsor and the Town and its agents shall be named additional insured. Each insurance certificate shall contain a statement by the insurance carrier not to cancel the policy except upon thirty – (30) days notice to the Town.

Schedule of Insurance:

Manufacturer’s and Contractor’s Liability:

Personal Injury Liability	\$1,000,000 per person
	\$1,000,000 per occurrence
Property Damage	\$1,000,000 per occurrence

Automotive Liability:

Personal Injury	\$1,000,000 per person
	\$1,000,000 per occurrence
Property Damage Liability	\$1,000,000 per occurrence

Town’s Protective Liability:

Personal Injury Liability	\$1,000,000 per person
	\$1,000,000 per occurrence
Property Damage Liability	\$1,000,000 per occurrence

The Contractor shall also carry Worker’s Compensation Insurance as required by the State of Connecticut and any other applicable laws and regulations for all employees engaged in work under the Contract.

Damages – The Contractor shall pay and make good repair to all losses or damages arising from any cause connected with the Contract, and shall indemnify and save harmless the Town from any and all liability and responsibility for any loss, damage or injury suffered in any way arising out of the Contract

and shall defend any suit which may be brought against the Town or its agents, connected with the work under the Contract and shall pay all costs or arising out of the Contract.

Extension of Time – If conditions beyond control of the Contractor occur and cause delay, the Contractor may request from the Town Engineer an extension of time, clearly stating the reason for such request. The Engineer may grant such an extension in writing; however, this shall not be deemed to relieve the Contractor from his responsibility under this contract.

Measures to Protect the Public – The Contractor shall provide and maintain warning signs, lights, signal devices and barricades at appropriate locations to warn the public of any damages associated with the project and to prevent access to dangerous areas and shall comply with reasonable requests of the Town Engineer for additional measures to protect the public.

Clean Up – Before the work is considered complete, the Contractor shall thoroughly clean all work areas, and remove all rubbish, debris, unused and surplus material resulting from the project, leaving the premises in a condition satisfactory to the Town Engineer. Any disturbed lawn areas shall be restored to as good or better condition to that existing before the project. If the lawn restoration is done late in the year the Contractor shall be required to complete the work to establish an acceptable lawn in Spring of the following year.

Inspection – All materials and workmanship shall be subject to inspection by the Town Engineer or his representative at any time during storage on-site or construction. The Town has the right to reject defective material and workmanship or require its correction. Rejected workmanship shall be satisfactorily corrected while rejected materials shall be promptly removed from the site.

Changes in Contract Documents, Scope of Work – The Town Engineer reserves the right to make changes to the contract documents or change the scope of work at any time before or during the project.

Commencement, Prosecution and Completion – The Contractor shall start work under this contract within 7 days of the Notice to Proceed date, and he shall prosecute the work faithfully to completion, including final clean-up, within the specified time project.

Payments – For a contract under 60 day's duration, payment shall be made within 30 days of completion of the work. For a contract of 60 days duration or more, partial payments shall be made within 30 days of the receipt of a certified estimate of work performed during the month, approved by the Town Engineer.

Retainage – a 10% retainage shall be held from payments made to the Contractor if there is work remaining such as lawn restoration, which cannot be completed due to the season.

SPECIAL CONDITIONS

Time for Completion – 21 days starting from a start date mutually acceptable to the Contractor and Town Engineer. It is critical that this project be substantially completed during this fall season.

Permits – Not required

Work on Private Property, Easements – All work on this project will be done on Town property.

Subsurface Information – None available.

CONSTRUCTION REQUIREMENTS

General – It is the Town’s intent to secure work which, at a minimum, will meet the requirements of Conn DOT “Standard Specifications for Roads, Bridges and Incidental Construction, Form 816, latest edition.

ITEM 1 –EROSION CONTROL - Work under this includes the furnishing, installation, maintenance and later removal of the following item: silt fence, hay bale at locations shown on plans. In addition, all lawn restoration areas shall be mulched with hay. All silt fence shall be towed into the soil to prevent erosion. All hay bales shall be installed with (2) stakes each.

Payment shall be based on the lump sum proposal price.

Special Requirements: All newly seeded areas shall by hay mulched

ITEM 2 – Performed Scour Hole – Under this item the contractor shall furnish and perform all the work to install the Performed scour hole at the location and grade shown on the plans or directed by the Engineer.

Materials:

- Filter Fabric shall be Mirafi 149 or equal
- Granular base shall conform to the gradation requirements under Article M.02.01
- Modified rip-rap shall conform to the gradation requirements under Article M.02.01

Construction Methods: Performed Scour Hole shall be installed as shown on plans and the instructions of the Engineer. Contractor shall excavate install 6” of granular base compact install filter fabric place 12” of modified rip-rap. All excavated material is to be disposal of offsite

Payment shall be based on the unit bid price.

ITEM 3 – 18”RCP DRAIN PIPE With Flared End- Under this item the contractor shall furnish and perform all the work to install the drain pipe and flared end to the grade or general requirements shown on the plans or as directed by the engineer. Work shall include trench excavation, installation of filter fabric, pipe, stone, sand bedding and warning tape.

Materials

- Flared end, pipe shall conform to the requirements of ASTM F 789, ASTM F679 or ASTM F794
- ¾” Crushed stone bedding shall conform to gradation requirements under Article M.02.01.
- Sand bedding shall conform to gradation requirements under Article M8.01-21
- Filter Fabric shall be Mirafi 149 or equal.

Construction Methods: Drain pipe with flared end shall be installed as shown on the plan and the instructions of the Engineer. Pipe shall be installed in the direction from lowest to highest elevation with installation following the pipe manufacturer's instructions. The contractor shall be responsible for controlling all surface and ground water entering the trench to insure that all pipe is laid dry bedding. All backfill shall be compacted to a minimum of 95% of optimum density. The contractor shall make every effort to prevent damaging installed pipe during backfilling operations. Backfilling shall extend up to the top soil. All excavated material is to be disposal of offsite

Measurement shall be by liner foot along the top of pipe starting from the centerline of the structure to the tie in.

Payment shall be at the unit bid price as applied to the measured liner footage

ITEM 4 – Storm Manhole – Work under this includes the furnish and perform all work to install pre cast storm manhole to the grade or general requirements shown on the plan or as directed by the Engineer.

Materials

- Structure shall be per cast with and conform to t requirements of Article M.08.02
- ¾" crushed stone shall conform to the gradation requirements under Article M.02.01

Construction Methods: Storm manhole shall be installed as shown on plans and instruction of the Engineer. All piping shall be mortar and cut flush with inside wall. All excavated material is to be disposal of offsite.

Payment shall be based on the lump sum bid price.

ITEM 5 – Catch Basin Oil & Debris Trap – Work under this includes the furnish and install catch basin oil and debris trap general requirements shown on the plan or as directed by the Engineer.

Construction Methods: Catch basin oil & debris trap shall be installed as shown on plans and instruction of the Engineer.

Payment shall be based on the lump sum bid price.

ITEM 6 – RESTORATION – The Contractor shall restore to as good or better condition all areas disturbed by construction on this project. Work shall include clean-up of all construction items and the restoration of ground cover and the install of turf reinforcement mat.

Materials:

- Topsoil shall conform to the requirements of Section M.13.01-1.
- Lime shall be standard commercial ground dolomitic limestone.
- Fertilizer shall be a commercial grade granular 10-10-10 fertilizer.
- Grass seed for permanent lawn restoration shall be a mixture conforming to the following:

<u>Species</u>	<u>Proportion by Weight</u>	<u>Minimum Purity</u>	<u>Minimum Germination</u>
Kentucky Bluegrass	25%	85%	75%
Creeping Red Fescue	35%	98%	85%
K-31 Tall Fescue	30%	98%	85%
Perennial Ryegrass	5%	98%	90%
Alsike Clover	5%	98%	85%

The seed supplier shall submit a certificate that the seed conforms to the above specification.

Construction Methods: Work involved in restoring all affected areas shall include:

- Replacement of topsoil removed by excavation to a minimum four (4) inch depth. Stones over 1 inch diameter shall be removed from the surface of the topsoil by raking.
- Removal and disposal of any tree portions, brush and other items cut to perform the work.
- Removal of excess construction materials such as stone, pipe, gravel, etc., along with any grade stakes.
- Fine grading to fill in any ruts, holes and eliminate undesirable drainage conditions such as ponding.
- Liming, fertilizing and seeding areas where the original ground cover was removed. Seasonal dates for seeding shall be May 1st to June 15th (Spring) and September 1st to October 15th (Fall). Lime shall be applied at the supplier’s recommendation rate with fertilizer spread at the rate of 20 pounds per 1,000 square feet lightly raked to the soil. Seed shall be spread at least 4 days after fertilization at a rate of 5 pounds per 1,000 square feet rated lightly to soil. Seeded areas will be lightly mulched with hay. Watering of seeded areas shall be done immediately with maintenance continued through the first mowing. Bare spots shall be restored and reseeded.

Payment shall be at the lump sum bid price upon completion of the work satisfactory to the Town Engineer.

Special Requirements: Any newly seeded areas shall be stabilized utilizing North American Green composite turf reinforcement mat SC250.