



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

BID Documents –79 Tromley Rd -Drainage Improvement

East Windsor, CT – April 10, 2024

Bids will be submitted to the First Selectman’s Office, Attn: Jason E. Bowsza, “**79 Tromley Rd -Drainage Improvement**”, 11 Rye Street, Broad Brook, CT 06016, by 11:00 am Wednesday, May 8, 2024. The project involves drainage improvement at 79 Tromley Road East Windsor, CT. Work to be completed during the current construction season. All work shall be based on the unit bid price. Work needs to be completed within 60 days of the start date.

INFORMATION FOR BIDDERS

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

Site Inspection – Each bidder 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. All questions shall be submitted by email only to Leonard Norton Lnorton@eastwindsorct.com Director of Public Works / Town Engineer, **before 11:00 a.m. Wednesday, May 1, 2024.**

Bid – Each bidder shall fill in all blank spaces of the BID FORM in ink with no changes made to the form. Each bid must be in a sealed envelope addressed to the First Selectman’s Office, Attn: Jason E Bowsza, “**79 Tromley Road – Drainage Improvement**”, 11 Rye Street, Broad Brook, CT 06016, no later than 11:00 a.m. Wednesday, May 8, 2024, for a public bid opening.

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

Acceptance of Bids – Acceptance of bid will be by notice of the Town Engineer.

BID FORM

The undersigned declares they have carefully examined the Bid Documents and location(s) of work for the above-referenced project and propose to perform the work at the following UNIT Prices:

Item No	Brief Description Of Work	Est Quant	Unit Price	Total Cost
1	Saw Cutting	38LF ±	\$	\$
2	C-L type Catch Basin	2EA	\$	
3	15" HDPE Drainpipe	400 LF ±	\$	\$
4	Modified Rip Rap Aprons	11CY ±	\$	\$
5	Paving	490SF ±	\$	\$
6	Stabilization-Restoration	Lump Sum	\$	\$

TOTAL BID = \$ _____

WRITTEN _____ **DOLLARS**

AND _____ **CENTS**

It is understood that the unit prices will control any contract awarded based on this bid that the estimated quantities above are approximate and used only for the comparison of bids, 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 bidder in order to facilitate consideration of this and other bids.

The above prices include the cost of all the work to complete the project whether specifically stated or not. The 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 60 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 BID.

Name of Firm: _____

Mailing Address: _____

Phone Number: _____

Signature of Bidder: _____ 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.

Lien Releases – The Contractor shall be responsible to provide lien releases for all subcontractors and materials prior to receiving payment.

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:

Manufacturers 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 the 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 days' 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 5% 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 – 60 days starting from a start date mutually acceptable to the Contractor and Town Engineer. This project must be substantially completed during this construction season.

Permits – Not required.

Work on Private Property, and Easements – All work on this project will be done within the Town Right-of-Way or the drainage easement.

Subsurface Information – None available.

CONSTRUCTION REQUIREMENTS

General – The Town intends 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. Saw Cutting– Under this item, the contractor shall furnish and perform all work to saw cut for the installation of drainpipe general requirements shown on the plans or as directed by the Engineer. Work shall include saw cutting and disposal of bituminous concrete.

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

ITEM 2 Type CL Catch Basin – Work under this item includes the furnish and perform all work to install pre-cast CL catch basin to the grade or general requirements shown on the plan or as directed by the Engineer.

Materials

- Catch basin Type CL shall be pre-cast with 2’sump and conform to Article M.08.02
- Aggregate for stone bedding shall conform to the gradation requirements of size No.8 under Article M.01.01

Construction Methods: CL catch Basin shall be installed as shown on the plans and instruction of the Engineer. All piping shall be mortar and cut flush with the inside wall.

Payment shall be based on the unit bid price.

ITEM 3. 15" HDPE DRAINPIPE- Under this item, the contractor shall furnish and perform all the work to install the drainpipe to the grade or general requirements shown on the plans or as directed by the engineer. Work shall include trench excavation, pipe, stone, sand bedding, and warning tape.

Materials

- 15" HDPE 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: The drainpipe and flared end shall be installed as shown on the plan and the instructions of the Engineer. The pipe shall be installed following the pipe manufacturer's instructions. The contractor shall be responsible for controlling all surface and ground water entering the trench to ensure that all pipe is laid in dry bedding. All backfill shall be compacted to a minimum of 95% of optimum density. The contractor shall make every effort to prevent any damage to the installed pipe during backfilling operations. All existing pipe excavated material is to be disposed of offsite.

Measurement shall be by liner foot along the top of the 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 linear footage.

ITEM 4. Modified Rip Rap Aprons – Under this item, the contractor shall furnish and perform all work to install modified rip-rap apron to the grade or general requirements shown on the plan or as directed by the Engineer.

Materials

- Modified Rip-Rap conforms to gradation requirements under Article M.02.01.
- Granular fill conforms to gradation requirements under Article M.02.01
- Filter Fabric shall be Mirafi 500x or equal.

Construction Methods: Modified rip-rap aprons shall be installed as shown on the plans and instructions of the Engineer.

Payment shall be based on cubic yard price.

ITEM 5. PAVING – Under this item the contractor shall furnish and perform all work too pave all disturbed areas as to the grade or general requirements shown on plans or as directed by the Engineer.

Construction Methods: Contractor shall install 12” granular fill, 6” processed aggregate base and compact. Install 2” of bituminous concrete pavement binder course then a 2” of bituminous concrete pavement surface course.

Material

- Granular fill shall conform to requirements of Article M.02.06 grading B.
- Processed aggregate shall conform to requirements of Article M.05.01-1, M.05.01-2 and M05.01-3.
- Bituminous concrete pavement shall conform to the requirements of Article M.04

Construction Methods: Contractor shall install, 12”granular fill, 6” processed aggregate base and compact. Install 2” of bituminous concrete pavement (class 1) binder course then a 2” of bituminous concrete pavement (class 2) surface course.

Payment shall be based on the square foot price.

ITEM 6. STABILIZATION - RESTORATION – The Contractor shall install a stabilization blanket in vegetated swale and restore all disturbed to as good or better condition. Work shall include clean-up of all constriction items and the restoration of ground cover and it.

Materials:

- S-1 stabilization blanket to be installed in accordance of manufacturer specification.
- 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:

- Installation of North American Green stabilization in vegetated swale to the grade or general requirements shown on plans or as directed by the Engineer.
- Replacement of topsoil removed by excavation to a minimum four (6) 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, and 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.
- Resetting signs, mailboxes, and newspaper boxes including temporary installation during the construction period.
- Resetting any public or private monuments, iron pipes, or other property line markers damaged or disturbed by work under this contract. This shall be done under the supervision of a Connecticut-licensed surveyor.

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 hay mulched.