

Town of Westerly
Rhode Island

PURCHASING DEPARTMENT



Town Hall
45 Broad Street
Westerly, RI 02891
TEL: (401) 348-2500
www.WesterlyRI.gov

Invitation to Bid 2022-026

Wildflower Drive Stormwater Drainage Improvements

ADDENDUM NO. 1 – May 20, 2022

To: All Known Bid Document Holders

The following items represent additional information provided, changes, amendments or clarifications to the Contract Bid Documents for the above referenced project:

BIDDER QUESTIONS with TOWN RESPONSES:

1. Will loam and seed be required for this project? If so, how will this item be paid?

Town Response: Loam and seed (6 inch depth) shall be furnished and placed for surface restoration within the detention basin area located adjacent to the intersection of Wildflower Drive and Argyle Drive. Any other disturbed areas along the edge of the road shall be restored by others during the Town's subsequent road resurfacing project. A pay item for loam and seed has been added to the bid document. The specification for loam and seed is attached to this addendum.

2. Where Wildflower Drive and Argyle Drive meet, there is a section of proposed HDPE pipe that goes through an existing double gate and asphalt driveway and eventually ends in the empty lot next to 11 Wildflower Drive. Will this driveway need replacing or loam and seed restoration?

Town Response: Any pavement affected due to trenching shall be patched. Loam and seed restoration is addressed in the Town's response to question no. 1. Backfill materials placed above the proposed HDPE pipe to the depth just below the pavement and loam and seed shall be included in the unit price per linear foot of pipe installed.

3. Where proposed 15" HDPE pipe ends in a grassed area and not tied into a catch basin i.e. intersection of Wildflower Drive and Argyle Drive, will a flared end or rip rap spillway be required at the outlet of this pipe? If so, how will this be paid for?

Town Response: A rip rap spillway shall be constructed at the outlet of this pipe. Pay items for rip rap and rip rap bedding material have been added to the bid form. The specification for rip rap is attached to this addendum.

4. Is any dewatering expected on this project?

Town Response: Dewatering is not anticipated to complete the project’s scope of work; however, any necessary dewatering shall be incidental to the completion of the scope of work. There shall be no separate pay item for dewatering.

5. Will there be a separate pay item for rock excavation?

Town Response: Rock excavation is not anticipated to complete the project’s scope of work; however, a pay item for rock excavation has been added to the bid form as a contingency. The specification for rock excavation is attached to this addendum.

This addendum will form a part of the Contract Documents and modifies the original Bidding Documents dated May 5, 2022, as noted above. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

The above clarifications and information do not warrant reissuance of any portions of the Bid Documents (including Bid Form).

Addendum No.1:

Received and Accepted By: Contractor: _____

Signed By: _____

Dated: _____

Eileen Cardillo
Purchasing Agent/Risk Manager
Town of Westerly
45 Broad St
Westerly, RI 02891
Tel: (401) 348-2599
Email: ECardillo@westerlyri.gov
www.WesterlyRI.gov

Project: Wildflower Drive Stormwater Drainage Improvements

ITB NUMBER: 2022-026

<u>Item #</u>	<u>Spec No.</u>	<u>Est. Qty.</u>	<u>Unit</u>	<u>Description</u>	<u>Unit Price</u>	<u>Total</u>
1	201.01	515	SY	Remove & Dispose Pavement	\$	\$
2	201.02	1,135	LF	Remove & Dispose 15" CMP	\$	\$
3	202.01	2	CY	Rock Excavation	\$	\$
4	206.01	855	LF	Straw Wattles	\$	\$
5	209.01	7	EA	Inlet Sediment Control Devices	\$	\$
6	400.01	94	TONS	Temporary Asphalt Pavement	\$	\$
7	701.01	1,135	LF	Dual-wall HDPE Pipe	\$	\$
8	702.01	3	EA	Remove & Replace Frame & Grate (Type CL Flat)	\$	\$
9	702.02	12	VLF	Reconstruct Catch Basin	\$	\$
10	900.01	2270	LF	Sawcutting	\$	\$
11	900.02	480	HRs	Police Details	\$85.00	\$40,800
12	920.01	30	TONS	Riprap R-4	\$	\$
13	920.01	20	TONS	Bedding Stone for Rip Rap	\$	\$
14	L.01	12	SY	Loam & Seed	\$	\$
					Total Price- Items 1 Through 14:	\$

The Bidder stated below agrees to provide all labor, materials, equipment, supervision and all activities required to provide a complete scope of work as defined in the above referenced Invitation to Bid, for the estimated sum amount of _____dollars.

(\$ _____)

The Bidder agrees to provide all labor, materials, equipment, supervision and all activities required to provide a complete scope of work as defined in this Invitation to Bid, including, but not limited to, agree to all terms and conditions, all as shown or by reference, unless as excluded below:

202.01 Rock Excavation. Rock excavation shall consist of the removal of intact bedrock, and boulders or detached bedrock fragments which have a volume of 1 cubic yard, or more. The removal of which can be accomplished only by drilling and splitting mechanically.

Construction Methods. Should bedrock be encountered above the design finish grade, the Contractor shall immediately notify the Engineer. The Contractor shall then continue soil excavation to expose the bedrock surface and to allow the Engineer to perform the necessary elevation survey and take cross-sectional measurement.

Prior to removal of overburden or presplitting to excavate to the design rock slope face, the Contractor shall locate the presplit line, and the intersection of the crest of the design slope with existing ground surface. Elevations of existing ground surface along this intersection alignment shall be established at one-half station intervals or as directed by the Engineer. The Contractor shall install marker stakes at the directed station intervals, offset as directed by the Engineer.

Unless otherwise specified, material classified as rock shall be excavated to a minimum depth of 12 inches below subgrade, and the excavation backfilled with materials as designated on the Plans or approved by the Engineer.

Method of Measurement & Basis of Payment. “Rock Excavation” will be measured by the number of cubic yards actually removed in accordance with the Plans and/or as directed by the Engineer. The accepted quantity of “Rock Excavation” will be paid for at its respective contract unit price per cubic yard as listed in the Proposal. The price stated constitutes full and complete compensation for all labor, materials, equipment, including excavation within the prescribed limits of the work, grading, compaction, disposal of surplus materials, preparation of subgrade and shoulders, and all incidentals required to finish the work, complete and accepted by the Engineer.

Item 920.01 – Riprap

Description. This work consists of providing dumped or placed riprap on prepared surfaces of the sizes and layer thicknesses at the locations indicated on the Plans or as directed by the Engineer, all in accordance with these Specifications.

Materials. Materials shall conform to the requirements of **Subsections M.10.03, M.10.03.1, and M.10.03.2; Riprap, Bedding for Riprap, and Stone for Riprap**, respectively, of the 2004 Rhode Island Department of Transportation (RIDOT) Standard Specifications for Road and Bridge Construction (Amended 2018) and all relevant corresponding addenda. Gravel borrow shall conform to the requirements of **Subsection M.01.02; Gravel Borrow**, of the 2004 Rhode Island Department of Transportation (RIDOT) Standard Specifications for Road and Bridge Construction (Amended 2018) and all relevant corresponding addenda. Filter fabric shall be a material suitable for erosion control applications and shall be one of those included on the Department's Approved Materials List.

Construction Methods:

General. Slopes to be protected by riprap shall be free of brush, trees, stumps, and other unsuitable material and shall be graded to a smooth surface. All unsuitable material shall be removed to the depth shown on the Plans, or as authorized, and replaced with gravel borrow. Filled areas will be compacted as specified in **Subsections 02.03.3, Para. a and 202.03.3, Para. b**, respectively, of the 2004 Rhode Island Department of Transportation (RIDOT) Standard Specifications for Road and Bridge Construction (Amended 2018) and all relevant corresponding addenda. If a toe trench is shown on the Plans, it shall be excavated and maintained until the riprap is placed.

Protection for structure foundations shall be provided as early as the foundation construction permits. The area to be protected shall be cleared of waste materials and the surfaces to be protected and prepared as shown on the Plans. The type of riprap specified will be placed in accordance with these Specifications.

Riprap shall be placed in conjunction with the construction of the embankment. The elapsed time between construction of the embankment and the placement of the riprap shall be limited to that required to permit the orderly construction of the embankment and to preclude the mixing of embankment and riprap materials. The Contractor shall maintain the riprap protection until accepted, and any material displaced by any cause shall be replaced to the lines and grades shown on the Plans at no additional cost to the Town.

Filter Fabric. The installation of filter fabric shall strictly conform to the manufacturer's guidelines and as modified herein.

- a. The surface of finished ground must be smooth and well compacted. All rock, dirt clods, grass clumps, trash, and other obstructions which will prevent the mat from laying in direct contact with the soil surface and which may cause the fabric to puncture or tear must be removed.
- b. A minimum overlap width of two feet must be used.
- c. Anchor pins must be installed immediately after placement of each section in order to

- protect from wind uplift.
- d. The fabric must be toed-in at the top and bottom.

Bedding for Riprap. The bedding material shall be placed on the prepared slope or area to the full specified thickness of each layer shown on the Plans. Placement of stone bedding must proceed from the bottom up to the top of the slope. At no time will the stone bedding be dumped onto the fabric from the top of the slope and allowed to roll down the surface of the fabric. Bedding shall be placed in one operation, using methods which will preclude segregation of particle sizes within the layer. The surface of the finished layer should be reasonably even and free from mounds or windows. Additional layers of bedding material, when required, shall be employed which shall preclude the mixing of materials in different layers.

Dumped Riprap. Stone for riprap shall be placed on the prepared slope or area in a manner which will produce an evenly graded mass of stone with the minimum practical percentage of voids. The entire mass of stone shall be placed so as to conform with the lines, grades, and thicknesses shown on the Plans. Riprap shall be placed to its full course thickness in one operation and in such a manner as to avoid displacing the underlying material. Placing of riprap in layers, or by dumping into chutes, or by other methods likely to cause segregation will not be permitted.

The larger stones shall be well distributed and the entire mass of stone shall conform to the specified gradation as set forth in **Subsection M.10.03.2** of the 2004 Rhode Island Department of Transportation (RIDOT) Standard Specifications for Road and Bridge Construction (Amended 2018) and all relevant corresponding addenda. All material comprising riprap protection shall be placed and distributed to preclude large accumulations of either the larger or smaller sizes of stone.

It is the intent of these Specifications to produce a fairly compact riprap protection in which all sizes of material are placed in their proper proportions. Hand placing or rearranging of individual stones by mechanical equipment may be required to the extent necessary to secure the results specified.

Placed Riprap. Stones for riprap shall be placed on a prepared slope in a pattern that contains minimum voids. The top surfaces of the riprap shall conform to a true and even plane with a tolerance of plus or minus 4 inches. Joints shall be broken as much as practicable, and joint openings to underlying soil shall be avoided by careful arrangement of stone sizes and the chocking of the openings with smaller stones. Larger stones shall be placed near the base of the slope. The stones shall be laid to rest on the bank, and not on adjacent stones. This shall be accomplished by laying stones from the top of the bank, downward, to insure independent support for each such stone.

Method of Measurement & Basis of Payment. “Riprap” will be measured by the number of tons actually placed in accordance with the Plans and/or as directed by the Engineer and will be paid for at its respective contract unit price per ton as listed in the Proposal. “Bedding for Riprap” will be measured by the number of tons actually placed in accordance with the Plans and/or as directed by the Engineer and will be paid for at its respective contract unit price per ton as listed in the Proposal. The price stated constitutes full and complete compensation for all labor, materials, equipment, including excavation, preparation of subgrade, furnishment and installation of filter fabric, hauling and placing the material, and all incidentals required to finish the work, complete and accepted by the Engineer.

PART L – LANDSCAPING

Item L.01 – Loam & Seed

Description: The Contractor shall place topsoil over depressed or disturbed areas adjacent to disturbed road and driveway edges up to and level with the top of the new asphalt curb or berm (six (6) inches immediately behind bituminous lip curbing) and fertilize, seed, mulch and maintain such areas until the completion and acceptance of the entire work of the contract. Areas where loam and seed shall be placed will be designated at the discretion and direction of the Engineer.

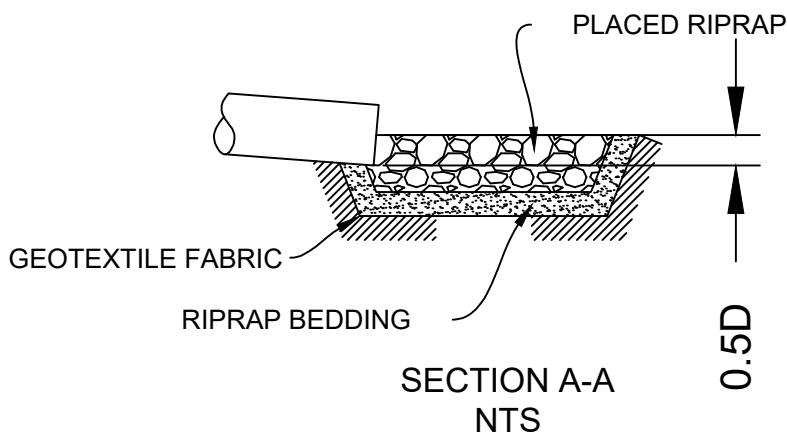
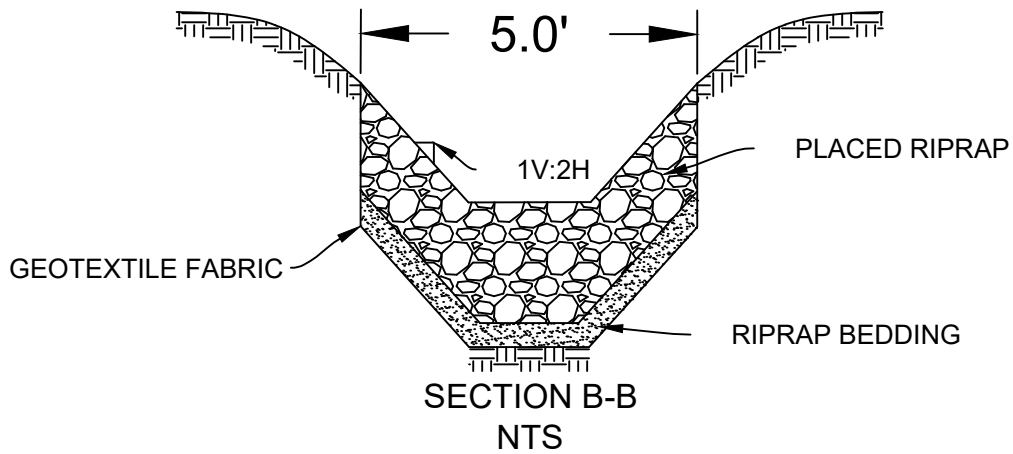
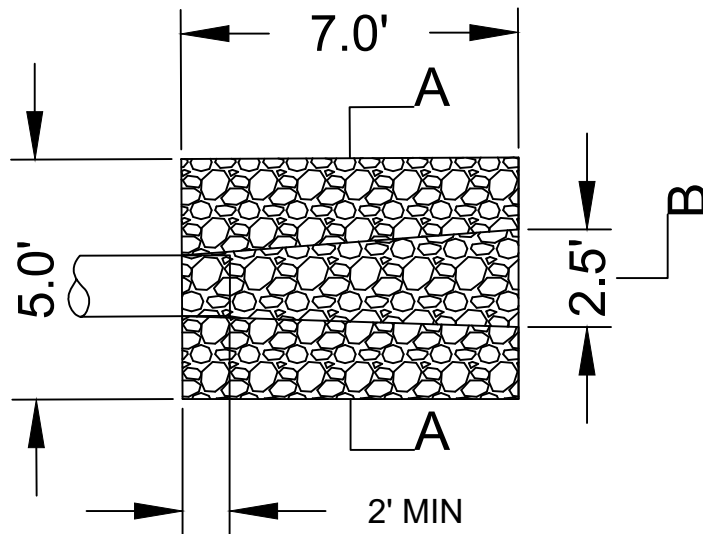
Materials:

Loam: The material to be furnished shall consist of screened, loose, friable, fine sandy loam or sandy loam free of subsoil, refuse, stumps, roots, rocks, cobbles, stoned, brush, noxious weeds, litter and other materials which are larger than 1-inch in any dimension and which will prevent the formation of a suitable seed bed. Organic matter shall constitute not less than 5-percent or more than 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 Town of Westerly of the intended source of loam to be employed at least two weeks prior to the intended time of use to allow time for sampling.

Fertilizer & Seed: Following placement of the topsoil, an approved chemical fertilizer shall be applied at the rate of one (1) pound for each twenty-five (25) square feet and rated in thoroughly. After the area has been fertilized, grass seed shall be sown at the rate of one (1) pound for each two hundred (200) square feet. The grass seed shall be of high-grade commercial stock consisting of an acceptable mixture of domestic rye grass, Kentucky Blue Grass, red fescue, timothy and clover. The grass seed mixture proposed for use shall be submitted for approval.

Mulching: The seeded area shall be mulched with straw or hay at a rate of seventy (70) lbs. per one thousand (1,000) square feet.

Method of Measurement & Basis of Payment: For furnishing and placing topsoil, fertilizing, seed, and mulch completed in place at the site of the work, the Contractor shall receive the unit price bid per square yard, measured in place.



Rip Rap Spillway Detail
 Town of Westerly
 Engineering Division
 Westerly, RI 02891

Date: 5/19/2022

Drawn: KTZ

Checked: ZSM

Approved: KTZ

File No.
RRSW.DWG

Drawing No.
RRSW-1

Scale: NTS

Sheet 1 of 1