

ITEM 604.5201 01 – STORMWATER CHAMBER INFILTRATION SYSTEM

DESCRIPTION:

This work shall consist of furnishing and installing a Stormwater Chamber Infiltration System in accordance with this specification, as shown in the contract documents and as directed by the Engineer. The system shall also be routinely inspected, cleaned, and maintained for the duration of the contract.

MATERIALS:

All stormwater chambers and surrounding crushed stone shall meet the requirements of the respective manufacturer and the contract documents. The geotextile materials used shall conform to the requirements of Section 207-2.01.

The Stormwater Infiltration Chambers shall be one of the following:

<i>StormTech SC-310</i> TM as manufactured by	Stormtech, LLC 20 Beaver Rd., Suite 104 Weathersfield, CT 06109 Phone (888) 892-2694
<i>Recharger 150HD</i> TM as manufactured by	CULTEC, Inc. 878 Federal Road P.O. Box 280 Brookfield, CT 06804 Phone (203) 775-4416
<i>Stormchamber</i> TM as manufactured by	HydroLogic Solutions, Inc. P.O. Box 672 Occoquan, VA 22125 Phone (877) 426-9128

The contractor shall provide the manufacturer's standard sheets, installation details, and operations and maintenance manuals to the Engineer ten days prior to the installation. System shall be designed to withstand an MS-18 highway loading.

The layout and sizing of the chambers shall be as shown on the contract documents.

CONSTRUCTION DETAILS:

The contractor shall follow the procedures established by the manufacturer for installation and field testing.

The contractor shall be responsible for cleaning the system when needed, maintaining performance / efficiency, and keeping a record of maintenance inspections for the duration of the contract. If the system is not functioning as outlined in the Operation and

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Maintenance Manual for the system, then the contractor, with the Engineer's approval, shall take the necessary steps to diagnose and correct problems at no additional cost to the State.

Final approval of the installation will be made by the Engineer verifying that the system has been installed, field tested and functioning as outlined in the Operation & Maintenance Manual for the system.

METHOD OF MEASUREMENT:

This work will be measured as the number of square meters of the installed Stormwater Chamber Infiltration System as measured by the exterior limits of the geotextile as shown in the plans, installed in accordance with this specification, and approved by the Engineer.

BASIS OF PAYMENT:

The unit price bid for the Stormwater Chamber Infiltration System shall include the cost of all labor, materials, equipment necessary to complete the work, including geotextiles and surrounding stone; all necessary excavation, backfill, sheeting; and necessary maintenance for the duration of the contract.

The cost of the inlet pipe(s) will be paid for under their respective items.

Seventy-five percent of the price bid for this item will be paid upon satisfactory installation of the system. The remaining percentage will be paid after the system is satisfactorily cleaned at the completion of the contract.