

ITEM 09604.5101nn M - FURNISH AND INSTALL STORMWATER TREATMENT SYSTEM, VORTECHS MODEL 1000

ITEM 09604.5102nn M - FURNISH AND INSTALL STORMWATER TREATMENT SYSTEM, VORTECHS MODEL 2000

ITEM 09604.5103nn M - FURNISH AND INSTALL STORMWATER TREATMENT SYSTEM, VORTECHS MODEL 3000

ITEM 09604.5104nn M - FURNISH AND INSTALL STORMWATER TREATMENT SYSTEM, VORTECHS MODEL 4000

ITEM 09604.5105nn M - FURNISH AND INSTALL STORMWATER TREATMENT SYSTEM, VORTECHS MODEL 5000

ITEM 09604.5107nn M - FURNISH AND INSTALL STORMWATER TREATMENT SYSTEM, VORTECHS MODEL 7000

ITEM 09604.5109nn M - FURNISH AND INSTALL STORMWATER TREATMENT SYSTEM, VORTECHS MODEL 9000

ITEM 09604.5111nn M - FURNISH AND INSTALL STORMWATER TREATMENT SYSTEM, VORTECHS MODEL 11000

ITEM 09604.5116nn M - FURNISH AND INSTALL STORMWATER TREATMENT SYSTEM, VORTECHS MODEL 16000

DESCRIPTION

This work shall consist of furnishing and installing a stormwater treatment system (oil/grit separator) Vortechs Model in accordance with this specification as shown in the contract documents and as directed by the Engineer. The system shall also be tested and maintained until the installation has been approved by the Engineer.

MATERIALS

All precast concrete materials shall meet the requirements of Section 704-03, *Precast Concrete - General*, of the Standard Specifications except the concrete shall have a minimum compressive strength of 35 Mpa at the end of 28 days.

The stormwater system shall be a Vortechs System as manufactured by the Vortechtechnics, Inc., 41 Evergreen Drive, Portland, Maine 04103 - Phone (207) 878-3662

The contractor shall provide the manufacturer's procedures and detailed shop drawings to the Engineer prior to the installation. All sizes and inverts elevations shall be checked by contractor and verified by the Engineer, to assure proper installation of the vortechs unit prior to installation of pipes at the unit.

CONSTRUCTION DETAILS

The contractor shall follow the procedures established by Vortechtechnics, Inc., for installation and field testing.

The contractor shall be responsible for cleaning the system when needed, maintaining performance / efficiency, and keeping record of maintenance inspections until the system is approved by the Engineer.

If system is not functioning as outlined in the Operation and Maintenance Manual for the facility, then the contractor, with the Engineer's approval, shall take the necessary steps to diagnose and correct problems.

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

METHOD OF MEASUREMENT

This work will be measured as the number of the each stormwater treatment systems installed in accordance with this specification.

BASIS OF PAYMENT

The unit price bid for each stormwater treatment system Vortechs Model shall include the cost of all labor, materials, equipment necessary to complete the work, and necessary maintenance until the installation has been approved by the Engineer. The cost of excavation, backfill, sheeting, and outlet/inlet pipes will be paid for under their respective items.

NOTE: nn in the item number denotes locations of the system.

USE 604.5102NN15