

ITEM 615.1606 10 M - CLEANING STORMWATER TREATMENT SYSTEMS

DESCRIPTION

This work shall consist of cleaning stormwater treatment systems (SWTS's) in accordance with the contract documents and as directed by the Engineer.

MATERIALS

None Specified.

CONSTRUCTION DETAILS

The contractor shall open the access holes of the SWTS and make a visual inspection in the presence of the Engineer. The Contractor shall determine if the structure's inlet and/or outlet is submerged in water. If the inlet/outlet is determined to be submerged, the pipe(s) connecting to the SWTS shall be plugged utilizing a standard rubber expandable plug, sand bags or other type of fabricated plug approved by the Engineer. The depth of accumulated sediment in each chamber shall be measured with a probe. The amount shall be recorded and given to the Engineer. The Engineer shall forward a copy of the data to the Regional Environmental Contact.

For the work described herewith, entry into the SWTS or nearby drainage structure may be necessary. SWTS's and other subsurface stormwater drainage structures are confined spaces and any entry requires compliance with OSHA safety procedures (29 CFR 1910.146 and 29 CFR 1926.21) and NYS Industrial Code Rules 12 and 23.

All trash, debris and floatable product shall be removed from all chambers (grit chamber and outflow chamber). All oil, water, sludge, sediment and solids shall be removed from the grit chamber. If sludge, sediment and solids are present in the other chambers, they shall be removed as well. Clean-out shall be accomplished via vacuum truck. After cleaning, the plugs shall be removed, the manholes shall be reset and securely sealed. All resulting waste including oil, sludge, sediment, and water shall be disposed of by the Contractor as specified below.

Cleaning shall be performed as described under the following options:

- (1) Remove all floating petroleum product with sorbent pads/cloths; extract water, floatables and sediment from the chamber; return water to the structure through a 100 micron (μ) filter; or
- (2) Remove all material into vacuum truck and dispose of the liquid and solids separately as described below.

The solid waste product of the cleaning operation (including sorbent material) is considered a non-hazardous solid waste under NYSDEC Part 360 regulations. Any liquid waste component taken off-site (*i.e.*, not returned to the structure) will be considered petroleum-contaminated liquid under NYSDEC Part 360 regulations and shall be transported, treated and/or disposed of at a permitted waste treatment and/or disposal facility. Any single shipment of liquid waste weighing more than 227 kilograms must be transported by a hauler with a NYSDEC Part 364 waste transporter permit who meets industrial waste transport requirements. The Contractor must provide receipts to the Engineer documenting that the transport and disposition of the waste materials have been properly handled.

The Contractor shall ensure that his employees wear all necessary personal protective equipment when performing this work.

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METHOD OF MEASUREMENT

This work will be measured by the number of SWTS's satisfactorily cleaned.

BASIS OF PAYMENT

The unit price bid shall include the cost of furnishing all labor, materials, equipment, and disposal necessary to satisfactorily complete the work.

DISAPPROVED BY EI 12-001