

## **ITEM 209.1510 09 - SUMP PIT**

### **DESCRIPTION**

This work shall consist of constructing a temporary sump pit to trap and filter sediment laden water for pumping to a suitable discharge area.

### **MATERIALS**

The sump pit shall be constructed by excavating a pit and installing a vertical standpipe in the center to collect filtered water. The standpipe shall be constructed by perforating a 300mm diameter corrugated metal or polyvinyl chloride pipe installed vertically and backfilled with 50mm clean aggregate as shown in the plans.

### **CONSTRUCTION DETAILS**

The sump pit shall be installed in accordance with these specifications and in reasonably close conformity with the dimensions as shown on the plans or specified by the Engineer. In the event of conflict between these specification requirements and pollution control laws, rules or regulations by other Federal or State or Local government agencies, the more restrictive laws, rules or regulations shall apply.

Water shall be pumped from the center of the pipe to a suitable discharge area, such as a stabilized area or portable sediment tank AOB. If water from the sump pit will be pumped directly into a storm drain system, filter cloth with an equivalent sieve size between 40 -80 should be wrapped around the standpipe to ensure clean water discharge. To increase the rate of water seepage into the standpipe, wrap 6mm to 12mm hardware cloth around and secure to the standpipe prior to attaching filter cloth.

Take measures so as not to cause any erosion at any point of discharge.

The Contractor shall be responsible for inspecting and reconstructing the sump pit in situ when sediment has accumulated to  $\frac{1}{2}$  the design depth of the sump or as ordered by the Engineer. The pit shall be cleaned by totally removing all sediment, stone and filter cloth and properly disposing of by the Contractor in accordance with any State and Federal requirements. The vertical standpipe shall be salvaged for use in reconstruction of the sump pit.

### **MAINTENANCE:**

All sump pits shall be inspected and maintained during the life of the project and such maintenance and inspection shall continue until permanent stabilization measures are in place and the temporary control measures are ordered to be removed by the Engineer.

### **METHOD OF MEASUREMENT**

The work will be measured as the number of sump pits that are installed as ordered by the Engineer.

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**BASIS OF PAYMENT**

The unit price bid for each sump pit shall include the cost of equipment, labor, material, cleaning, necessary excavation for installation, and removal of sediment necessary to complete the work. The Contractor will be paid 80% of the bid price upon the installation of the sump pit and the remaining 20% upon its removal and proper backfill upon completion of the project A.O.B.E.

DISAPPROVED

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