

ITEM 11604.92 M - SUBSURFACE ABSORPTION FIELD

DESCRIPTION

The Contractor shall furnish and install a Subsurface Absorption Field at the location shown on the plans or where ordered by the Engineer.

Completed applications/reapplications for individual wastewater treatment systems submitted on or after December 1, 1990, should be reviewed and approved/disapproved on the basis of compliance with 10 NYCRR Part 75 and Appendix 75-A, Article 143 of the City of New York Health Code, City of New York Private Sewage Disposal System Standards (1979), Local Law No. 103, of the City of New York for the year 1989, Local Law No. 50 of the City of New York for the year 1991, and the N.Y.C. Department of Environmental Protection Interim Procedure for Individual On-Site Wastewater Disposal System (i.e., the applicable law and regulations in effect at the time of the applications/reapplication submittal).

MATERIALS

All materials furnished, assembled, fabricated or installed shall be new, corrosion resistant and in strict accordance with the details shown in the Contract Documents and in the Standard and Special Specifications.

Physical Characteristics:

The Subsurface Absorption Field shall be sized in accordance with the plans.

Distribution Lateral:

The Distribution Lateral pipe shall be 100mm (4") Schedule 40 Perforated Polyvinyl Chloride (PVC) Pipe, shall conform to the specifications, Section 605 - "UNDERDRAINS" and shall be installed perforation down as indicated on the plans.

Ventilation Pipe:

The Ventilation Pipe shall be 100mm (4") Schedule 40 Polyvinyl Chloride (PVC) Pipe, shall conform to the specifications, Section 603 - " and shall be installed as indicated on the plans.

Geotextile Separation:

The Geotextile Separation shall conform to the Standard Specifications, Section 207 - "GEOTEXTILE".

Washed Broken Stone or Screened Gravel:

The Washed Broken Stone or Screened Gravel shall conform to the Standard Specifications, Section 623 - "SCREENED GRAVEL, CRUSHED GRAVEL, CRUSHED STONE, CRUSHED SLAG"

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Filter Sand:

The Filter sand shall be installed as indicated on the plans and shall be in accordance with the Standard Specifications. Filter Sand shall conform to the following:

U.C. < 35

D10 0.3 mm

100% Pass #10 Sieve

0% Pass #200 Sieve

Vent Riser:

The Vent Riser shall be 100mm (4") Schedule 40 Perforated PVC pipe and shall be installed in accordance with the specifications and as indicated on the plans.

Screen:

The Contractor shall furnish and install protective screening in accordance with the specifications and as indicated on the plans. Screening shall be 38-mm diameter square woven mesh of 304 stainless steel wire cloth with edge strips. Wire shall be 3-mm diameter.

CONSTRUCTION DETAILS

The Subsurface Absorption Field shall be constructed in accordance with Section 604 of the Standard Specifications and shall not be installed without an Engineer's approval.

METHOD OF MEASUREMENT

This Subsurface Absorption Field will be measured for payment as a Lump Sum quantity and shall include furnishing, installation and made operational.

The Contractor shall prepare a shop drawing which details the complete connection to sanitary sewer utility service and all components to be supplied.

BASIS OF PAYMENT

The price bid per Subsurface Absorption Field shall include the cost of all excavation, backfill, reinforcement, concrete, and all labor, equipment and other materials necessary to complete the work.