

Section 02639 Subdrainage

PART 1: GENERAL**1.01 RELATED WORK**

Review Contract Documents for requirements that affect work of this section. Specification sections that directly relate to work of this section include, but are not limited to:

- Section 02315 - Excavation & Backfill
- Section 02630 - Storm Drainage Pipe
- Section 02790 - Athletic & Recreational Surfaces
- Section 02792 - Synthetic Grass & Turf

SYSTEM DESCRIPTION

The subsurface drain system should consist of the SportsEdge® HQ6 or SportsEdge® HQ12:

1. Part # SEHQ6 - 1" x 6" for Natural Turf Fields, vertical installation
2. Part # SEHQ12 - 1" x 12" for Synthetic Turf Fields, horizontal installation

geocomposite drain and outlet pipes of the type, size and dimensions in accordance with these specifications and project plans, or as directed by the project engineer. The two-part pre-fabricated system shall consist of a solid formed polystyrene perforated core fully wrapped with non-woven spun-bound polypropylene filter fabric glue bonded to the core. The prefabricated drain core is to be made from recycled materials.

PART 2: PRODUCTS**2.01 GEOCOMPOSITE SUBSURFACE DRAIN SYSTEM****ACCEPTABLE MANUFACTURERS:****SUBSURFACE DRAIN:**

Base; SportsEdge® HQ12 as supplied by:

SportsEdge®
P.O. Box 837, 259 Murdock Rd.
Troutman, NC 28166
Telephone: 800-334-6057
Fax: 704-528-0179
Email: info@sportsedge.com
www.sportsedge.com

COMPONENTS

The two-part pre-fabricated system shall consist of a solid formed polystyrene perforated core fully wrapped with a non-woven spun-bound polypropylene filter fabric. The prefabricated drain core is to be made from recycled materials.

1. Core: Solid formed polystyrene
 - a. Length: 150 foot
 - b. Perforated
 - c. Widths: 6, 12, 18 or 24 inches
 - d. Depth: 1" minimum
 - e. Recycled material

2. Geotextile Fabric:
 - a. Non-woven spun-bound polypropylene filter fabric
 - b. Glue bonded to the core

3. Accessories:
 - a. Couplers, Outlets, Geotextile End Caps as required and recommended by the manufacturer.

4. Subsurface drain system shall meet the following ASTM standards as a minimum.

TECHNICAL DATA			
Physical Property	Unit of Measure	Typical Value	ASTM Test Method
FABRIC			
Grab Tensile	lbs	145	D 4632
Grab Elongation	%	60	D-4632
Puncture Resistance	lbs	50	D-4833
EOS (AOS)	US Std Sieve	70	D-4751
Flow Rate	gpm / ft ²	80	D-4491
CORE			
Thickness	in	1	D-1777
Compressive Strength	psf	9,000	D-1621
Flow Capacity per unit width	gpm/ft	21	D-4716

PART 3: EXECUTION

3.03 INSTALLATION

1. Install per the manufacturers recommendations, or as indicated on the drawings.

END OF SECTION