SECTION 33 4000

**PART 1 GENERAL**

* 1. 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 03 1500 - Concrete Accessories

Section 03 3000 - Cast-in-Place Concrete

Section 22 1420 - Storm Drainage Piping

 Section **31 2300 - Excavation and Fill**

 Section 32 1820 - Athletic & Sports Surfaces

 Section 32 1826 - Artificial Grass Surfacing

 Section 33 4000 - Stormwater Utilities

1.02 SUBMITTALS

A. Product Data: Submit manufacturer’s product literature, technical specifications, and other data required to demonstrate compliance with specified requirements for all athletic equipment.

1.03 QUALITY ASSURANCE

A. Fabrication and installation of site improvements by experienced craftsmen with excellent record of performance on completed projects of comparable size, scope, and quality.

 B. All materials, hardware and furnishings shall be new, first quality.

1.04 FIELD MEASUREMENTS

A. Contractor shall verify position and layout of all athletic field equipment. Verify dimensions by field measurements.

* 1. SYSTEM DESCRIPTION

A. Track & Field Collector Drain & Turf Anchoring System: **Terminator XT-8.**

**PART 2: PRODUCTS**

2.01 MANUFACTURERS/SUPPLIERS

A. Manufacturers/Suppliers and product selections named are provided to establish the minimum standard and shall comply with the following by:

SportsEdge®

P.O. Box 837

259 Murdock Rd.

Troutman, NC 28166

PH: 800-334-6057

FX: 704-528-0179

info@sportsedge.com

[www.sportsedge.com](http://www.sportsedge.com)

 2.02 SURFACE DRAINAGE & TURF ANCHORING SYSTEM **Terminator XT-8**

 A. General: System for the drainage of storm water on a synthetic turf field and running track. Designed for OPTIONAL combination with a horizontally draining shock attenuation pad that intercepts and discharges all the water from the turf and track when used with an impermeable sub-grade.

 B. TRACK & FIELD DRAIN SYSTEM: The Track & Field Collector Drain shall have the following components and attributes:

1. XT-8 Collector Drain: Manufactured of polymer concrete; compressive strength: 17,000 psi min., tensile strength: 2,000 psi min., bending strength: 4,000 psi min. and 8” SCH40 PVC pipe.

1. 1-meter lengths, with radius non-sloping bottom.
2. Integral turf anchor slot with weep holes for drainage and non-biodegradable anchoring rope.
3. Separate, bi-level drainage orifices for field and track surfaces. Exposed track drain slot width not to exceed ½” (0.5”) in compliance with ADA requirements.
4. Overall dimensions: width: 8.625”, depth: 12.49”, Length: 1 meter (39.19”)
5. **#XT8PVCC**: PVC Slip coupler for joining and aligning sections.
6. **#2790XT8**: Synthetic cap for masking exposed inner surface of track drain slot, 3-meter lengths.
7. **#610XT8** Catch basins: Two-stage stackable structure fabricated of polymer concrete and recessed aluminum cover, ¾” aluminum plate, removable.
8. All adapters, end plates, installation devices and turf anchors to create a complete system.

## **PART 3: EXECUTION**

* 1. TERMINATOR DRAINAGE & TURF ANCHORING SYSTEM INSTALLATION

 A. Install per the manufacturer’s published instructions and as indicated on the plans and specifications.

 END OF SECTION