

Section 02636 Precast Track Perimeter Channel Drain

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 02220 - Site Demolition
Section 02315 - Excavation & Backfill
Section 02634 - Storm Drainage Pipe
Section 02752 - Concrete Pavement
Section 02790 - Athletic & Recreational Surfaces
Section 02792 - Synthetic Grass & Turf
Section 03150 - Concrete Accessories

SYSTEM DESCRIPTION

Track Surface to Turf Areas:

1. System to be SportsEdge PRO-S Channel Drain System of one meter (1m) long drain channels, manufactured of Polymer Concrete with removable thermoplastic ADA compliant grates, grate locking devices, and accessories. Assembly number SE2192.

Track Surface to Track Surface Areas:

2. System of one meter (1m) long slot drain channels of polymer concrete and schedule 40 PVC pipe, in-line polymer concrete catch basins with removable covers, and accessories. The slot width shall not exceed 12mm" (7/16"), in compliance with ADA requirements. Assembly Number 2305XT.

Assembly number: 1) #SE2192 2) #2305XT

PART 2: PRODUCTS

2.01 PRE-FABRICATED CHANNEL DRAIN

ACCEPTABLE MANUFACTURERS

Surface drain:

A. BASE: Shall be:

- a. SportsEdge® Pro-S Channel Drain, with 2436 Thermoplastic ADA grates and grate locking devices; and
- b. SportsEdge® XT Slot Drain as manufactured by:

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

B. COMPONENTS PRO-S CHANNEL DRAIN:

1. PRO-S Channel: #2192SE fabricated of polymer concrete, 6 inches wide, 4 inch ID and 8.625 inch deep minimum with radius non-sloping bottom having the following attributes:
 - a. Length: 1 meter (39.2 in).
 - b. Depth: shall be 8.625" minimum.
 - c. Anchoring ribs: Full Length.
 - d. Grate locking slots: blind, vibration dampening, thermoplastic.
 - e. Interlocking ends.

2. Grates: Fabricated of thermoplastic polymer.
 - a. #2436 Herringbone Pattern:
 - i. Meeting Heel proof (0.25"<) and
 - ii. ADA (0.5"<) requirements.
 - b. 6.2 mm drainage openings.
 - c. Color: Black
 - d. Length: 1/2 meter (19.7")
 - e. UV stabilizers

4. Catch basins: #2900SE fabricated of polymer concrete
 - a. Width: 6" OD, 4" ID
 - b. Depth: 22.1"
 - c. Length: 1/2 meter (19.7")
 - d. Grate locking slots: blind, vibration dampening, thermoplastic.

C. COMPONENTS XT SLOT DRAIN

1. Drain Channel: #2305XT; location as shown on the plans, fabricated of polymer concrete, schedule 40 PVC pipe, 4 inch ID, with radius non-sloping bottom having the following attributes:
 - a. Slot width shall not exceed 1/2" (0.5") in compliance with ADA requirements. with interlocking ends, with polymer concrete reinforcing at 6.25" intervals.
 - b. Overall Depth: 6.9375" OD
 - c. 3" wide polymer concrete saddle gasket (2 per meter) with set screws.
 - d. Length: 1 meter (39.19 in).
2. Catch basins: #2900XTA fabricated of polymer concrete.
 - a. Width: 6", 4" ID
 - b. Depth: 22.1"
 - c. Length: 1/2 meter (19.7")
 - d. Cover: polymer concrete, .12mm (7/16") slot, removable.
 - e. Locking device for cover.
3. Accessories: XTPC connector plate, fabricated of polymer concrete.
 - a. Pro channel drain / XT slot drain Connector, when required.

PART 3: EXECUTION

3.03 INSTALLATION / QUALITY ASSURANCE

1. Install per the manufacturer's instructions and as indicated on the plans; or by a factory trained and authorized installer.

END OF SECTION