

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

1. System to be of one meter (1m) long drain channels of polymer concrete with interchangeable (3m) long FPVC channel edge inserts, removable grates, grate locking devices, and accessories.

2. System of one meter (1m) long slot drain channels of polymer concrete and schedule 40 PVC pipe, in-line polymer concrete catch basins, and accessories. Slot width shall not exceed 1/2" (0.5") in compliance with ADA requirements. Assembly Number 2305XT as manufactured by SportsEdge.

Assembly number: 1) #SE426 2) #2305XT

Part 2: Products

2.01 PRE-FABRICATED CHANNEL DRAIN

ACCEPTABLE MANUFACTURERS

Surface drain:

A. Base: Shall be SportsEdge Pro channel drain, with Flexible PVC "L" Channel Edge, Grates, and grate locking devices; and 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 CHANNEL DRAIN

1. Pro Channel: #191SE fabricated of polymer concrete, 6 inches wide, 4 inch ID and 9 inch deep minimum with radius non-sloping bottom having the following attributes:

- a. Length: 1 meter (39.2 in).
- b. Depth: shall be 9" minimum
- c. Anchoring ribs: full length.
- d. Grate locking slots: blind, vibration dampening, thermoplastic.
- e. Interlocking ends.

2. "L" Edge: shall be FPVC, self-retaining, UV stable.

- a. #970L, 3 Meter (9.84 ft.) Lengths staggered to bridge channel joints.
- b. 90 Durometer

3. Grates: Fabricated of galvanized steel.
 - a. #426: Full width transverse drainage openings.
 - b. #811A Grate Locking devices.
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, .5" slot, removable.
 - e. Locking device for cover.
3. Accessories: XT-PC 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