

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

SPECIAL PROVISION

ATLANTA BELTLINE

NORTHEAST TRAIL SEGMENT 2, PHASE 2

Section 668 – Miscellaneous Drainage Structures

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668.1 General Description

This Work includes the installation of a formed trench drain system as shown on plans, and shall include, but not limited to, the following components:

- A. Outlet Control Structures
- B. Trench Drain Form System

668.1.03 Submittals

A. Product Data

1. Submit manufacturer's technical data for each type of product indicated.

668.1.04 Quality Assurance

1. Certificate of Origin for each type & size of Outlet Control Structure.

668.2 Materials

1. The Trench Drain system shall be manufactured of a non-CFS Foam Form with built in slope as shown on plans.
2. The embedment rail frame will provide Anchoring Studs every 10" minimum.
3. The grates shall be manufactured with uncoated cast ductile iron conforming to ASTM A 536-84 with a minimum inlet area of 0.29ft²/Lft (0.09m²/Lm) and shall have omni directional openings and conform to the requirements of the Americans with Disabilities Act Handbook, Section 4.5.4 and be heel proof. Grates shall meet a minimum vertical proof load of 1235 psi by utilizing a 6" x 9" centered contact area without failure. Grates shall comply with all the requirements of AASHTO M306. The grate retaining device shall not obstruct hydraulic flow. The grate shall have a width of 8". Grating shall be made in USA, and shall conform to the "Buy America" policy.

668.2.01 Product

1. Weir Plates shall be as shown on Construction Plans. Structures shall be comprised of either cast-in-place or precast concrete with concrete reinforcement as noted. Orifices shall be as detailed and Trash Racks shall be embedded within concrete and shall meet the requirements of No. 4 concrete reinforcement. Weir plates shall be installed within underground detention basins as indicated on drawings.

2. Outlet Control Structures shall be as shown on Construction Plans. Structures shall be comprised of either cast-in-place or precast concrete with concrete reinforcement as noted. Structures shall be installed in such a manner that invert elevations and weir elevations shall meet those noted on the drawing.

668.4 Measurement

The quantity of Outlet Control Structures and associated items to be paid for will be the actual number of units installed in place which have been completed and accepted.

668.5 Payment

This work will be paid for at Contract Unit Price per each Outlet control Structure. Such payment will be full compensation for furnishing all material including labor, material, equipment, handling, placing and any incidentals to complete the work.

Payment will be paid under:

Item No. 668 Outlet Control Structure _____ per Each.

Item No. 668 Trench Drain, 8-inch _____ per Lineal Foot