LOW SIDE SUPERELEVATION
HIGH SIDE TRANSITION
PAVEMENT WARP FOR SHOULDERS IN SUPERELEVATION

GENERAL NOTES

1. This inlet is primarily intended for use adjacent to concrete barrier walls on paved shoulders. Use of the inlet adjacent to other wall types is subject to approval by the Drainage Engineer. The inlet is suitable for bicycle and occasional pedestrian traffic, but should not be placed in a designated pedestrian travelway. It is not intended for use in curb and gutter or other areas where through traffic is required, nor areas subject to high debris.

2. Inlets located in embankments constructed with earth anchored retaining wall shall be designed with a minimum depth to reduce adverse impact on the anchorage system. Runs of pipe parallel to and near anchored wall shall be avoided wherever practical. Special coordination must be exercised during the design and construction of storm water systems within anchored wall systems.

3. Inlet bottoms and/or tops may be either precast or cast-in-place. Whether cast as a single unit or as multiple segments, and whether precast or cast-in-place, the upper 2-3 of the inlet shall be reinforced in accordance with sections CC, 100 and 102.

4. All exposed edges and corners shall be 3/4" chamfer or rounded.

5. When Alternate G grate is specified in the plans, the grate is to be hot-dip galvanized after fabrication. Field installation of the filter bar called for in Inlet B will not be permitted, thereby requiring tolerance adjustment during fabrication and/or casting, or, matching grate to structure prior to galvanizing.

6. Reinforcing is Grade 60 bars. See Index No. 204 for equivalent area of welded wire fabric.

7. All dimensions are for both precast and cast-in-place inlets unless otherwise noted.

8. For supplemental details see Index Nos. 200 and 201.

9. Inlets to be priced for under the contract unit for Inlets (Barrier Wall). Each.
BARRIER WALL INLET

**SECTION CC**
- Top View of Inlet Without Grate
- Top View of Metal Plate

**SECTION DD**
- Transverse Section with Grate & Plate

**SECTION EE**
- Back View without Back Plate

**TOP VIEW**
- Transverse Sections Thru Backwall Plate

**Pictorial View of Inlet Collar**

**NOTES:**
1. All bars 
2. Anchor bolts shall be either ASTM A417 hex head bolts cast-in-place, or ASTM A36 or F1554 (Grades 36) galvanized fully threaded rod, adhesive bonded anchors installed in accordance with Specification Section 412. Bolts or rods shall be 6" long (4" min. embedment) with one heavy hex head nut (ASTM A194 or A563) and one flat washer (ASTM A436) each. All anchor bolts, nuts and washers shall be hot-dip galvanized.

**Cross Bar Options**
- Welded
- Electroformed

**Steel Grate**
- Field Installation (see General Notes):
  - When clearance (c) roadway or 3/4" in one-place
  - Round bar shall be added to the end of the cross bars and end band angles to reduce the clearance (c) to 3/4" or less. After welding bar in place, clean bar and damaged grate
  - Painted and coat with a color for pitch variance.