GENERAL NOTES

1. This inlet to be used in conjunction with Concrete Barrier Wall, Curb and Gutter, Index No. 410. The inlet is suitable for bicycle and occasional pedestrian traffic with extended crossbar or bar stub (see KSETB & B ALTERNATE). Inlet should not be placed in a pedestrian way.

2. All reinforcing is Grade 60 bars. For equivalent area of welded wire fabric for inlet, see Index 201. Reinforcing shall have 2" min cover unless otherwise shown. Bars shall be trimmed or bent to provide 1½" clearance around pipe openings. Cost for additional reinforcing in barrier wall to be included in cost of concrete barrier wall.

3. Barrier wall shall be Class II Concrete, finished surface in accordance with General Note 1, Sheet 1, Index 410.

4. All exposed edges and corners shall be 3/4" chamfer or rounded to 1/4" radius.

5. A flat 1½x2½" drainage slot shall be constructed at the inlet centerline when the inlet is located in a curb sag. For drainage slot construction, no more than two bars shall be trimmed or deformed such as type: AA, 4K, and O-Bar. On each side of drainage slots, vertical & horizontal bars shall be placed to provide 2" concrete cover.

SECTION AA

PICTORIAL VIEW

SECTION BB

SECTION CC

NOTES:

1. Distance = 1'-6" With Bike Lane, Or 2'-6" Without Bike Lane.
2. For Double Throat Inlet, Section BB replaces Section AA.
3. Field Bend Bar 4A To Maintain 2" Minimum Concrete Cover.

CONCRETE BARRIER WALL INLET

INDEX NO. 219 SHEET NO. 1 of 3
Concrete Barrier Wall Inlet

**PRECAST INLET TOP REINFORCING DETAILS**

**PICTORIAL VIEW OF INLET TOP**

**CROSS BAR OPTIONS**
- Welded
- Electroforged

**OPTIONAL STEEL GRATES**
- Reticuline Grate
- Cross Bar Grate

**SECTION FF**
- Cross Bars: Either 1/8" Welded or 1/8" Electroforged
- Bar Stubs @ 4" O.C.
- Bearing Bar

**SECTION GG**
- Cross Bars: Either 1/8" Welded or 1/8" Electroforged
- Bar Stubs @ 4" O.C.
- Bearing Bar

**SECTION HH**
- Cold Driven Rivet
- Bar Stubs @ 3" O.C.
- Bearing Bar

**SECTION KK**
- Half Cross Bars
- Bar And Upper Each Side Main
- 3 Spaces @ 12"

**SECTION LL**
- 3 Spaces @ 12" No. 4 Bars
- 2 Spaces @ 9" (F.S.)
- 2 Spaces @ 9" (N.S.)

**NOTE:**
1. For additional information on Bar 4B, see BAR BENDING DIAGRAMS (Sheet 2).
2. C-I-P Inlet Top Reinforcing Similar.

**TOP VIEW OF INLET TOP WITHOUT GRATE**
- No. 4 Bars @ 9" O.C.
- No. 4 Bars @ 9" O.C.
- No. 4 Bars @ 9" O.C.
- Bars 4B @ 12" O.C.
- Bars 4B @ 12" O.C.
- Bars 4B @ 12" O.C.

**PLANT VIEW**
- Retroline Bars 1/2" x 1/2"
- Intermediate Bars 1/2" x 1/2"
- Bearing Bars 5/8" x 1/2"

**RETICULINE GRATE**
- 3 Spaces @ 12"

**PLAN VIEW**
- Retroline Bar
- Bearing Bar
- Bar Stubs @ 5" O.C.

**CROSS BAR GRATE**
- Bearing Bars: 5/8" x 1/2"
- Bar Stubs @ 5" O.C.
- Bearing Bar

**DETAILED VIEW**
- Half Cross Bars
- Bar And Upper Each Side Main
- 3 Spaces @ 12"

**PICTORIAL VIEW OF INLET TOP**
- No. 4 Bars @ 9" O.C.
- No. 4 Bars @ 9" O.C.
- No. 4 Bars @ 9" O.C.
- Bars 4B @ 12" O.C.
- Bars 4B @ 12" O.C.
- Bars 4B @ 12" O.C.

**SECTION JK**
- 3 Spaces @ 12"
- No. 4 Bars @ 9" O.C.
- No. 4 Bars @ 9" O.C.
- No. 4 Bars @ 9" O.C.
- Bars 4B @ 12" O.C.
- Bars 4B @ 12" O.C.
- Bars 4B @ 12" O.C.

**PRECAST INLET TOP REINFORCING DETAILS**

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**REV ISI O N NO.**
- 3

**DES C R I P T I O N:**
- For additional information on Bar 4B, see BAR BENDING DIAGRAMS (Sheet 2).
- C-I-P Inlet Top Reinforcing Similar.

**RE V ISI O N OF DESIGN STANDARDS**
- 11/01/16
- 10/24/29 AM
- 10/11/16