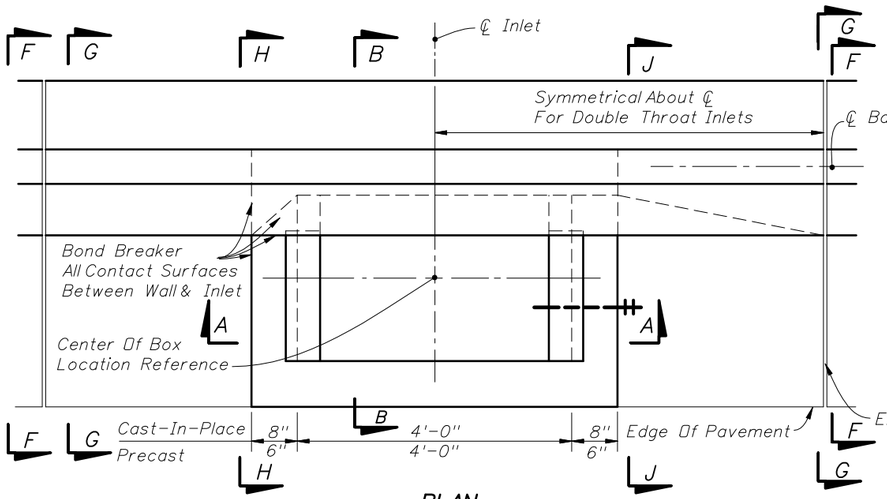
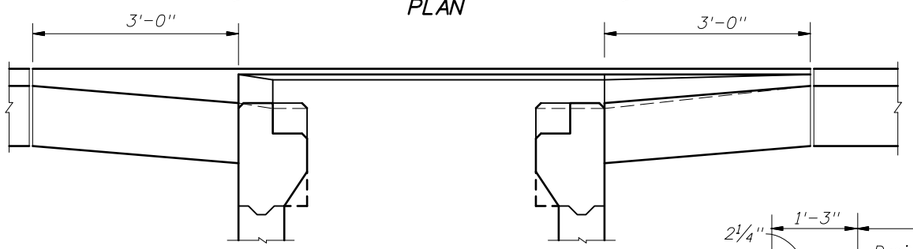
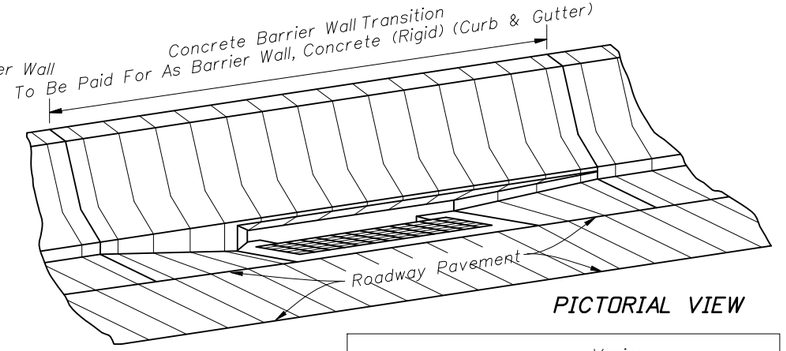


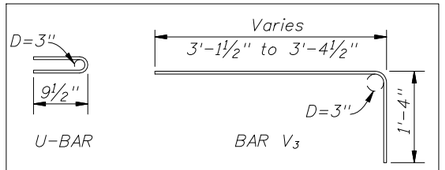

PLAN




SECTION CC




PICTORIAL VIEW




## BENDING DIAGRAM

Bars $L_1$ : Length 11'-1", Straight

Bars $L_2$ :
Length 8'-4" (Single Throat)
11'-0" (Double Throat)

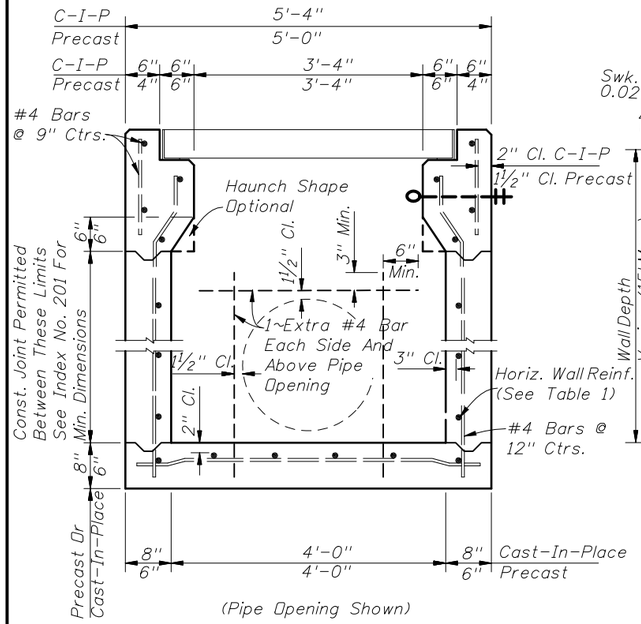
Bars $L_3$ & $L_4$ : Length 11'-1"
Field Bend For 4" Drop (Top Bars)
3" Drop (Bottom Bars)

Bars $L_5$ : Length 2'-8"
Field Bend For Drop Same As $L_3$ & $L_4$

Bars $V_1$ : 18" Ctrs., Length Varies
Bars $V_2$ : 12" Ctrs., Field Bend
Bars $V_3$ : See Bending Diagram

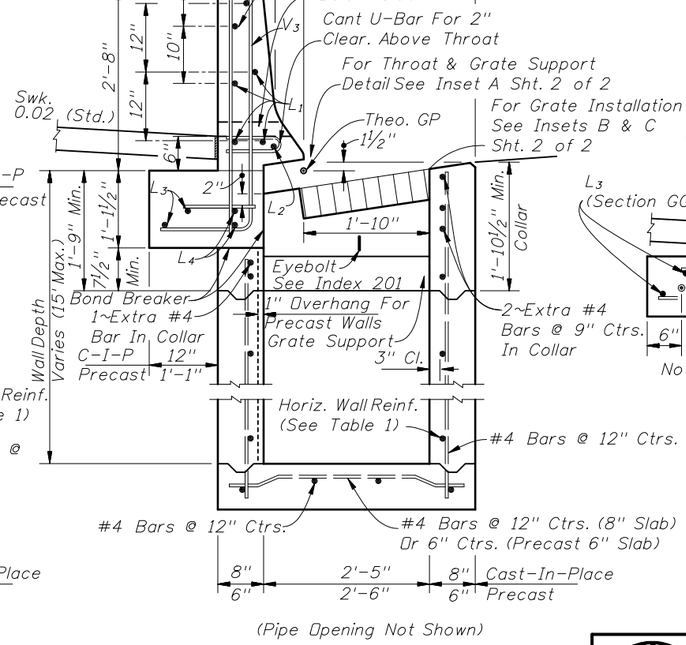
## GENERAL NOTES

1. This inlet to be used in conjunction with Barrier Wall, Concrete (Rigid) (Curb & Gutter), Index No. 410.
2. All reinforcing is Grade 60 bars. See Index No. 201 for equivalent area of welded wire fabric for inlet. Reinforcing shall have 2" min. cover unless otherwise shown. Bars to be cut or bent to provide 1½" clearance around pipe opening. Cost of additional reinforcing in barrier wall to be included in cost for concrete barrier wall.
3. Barrier wall shall be Class II concrete, finished in accordance with Index No. 410.
4. All exposed edges and corners shall be ¾" chamfer or tooled to ¼" radius.
5. A flat 18"x2½" drainage slot shall be constructed at the inlet centerline when the inlet is located in a curb sag. No more than one $V_1$ bar, one $V_3$ bar and one U-bar are to be deleted for construction of the drainage slot.
6. For supplemental details see Index Nos. 201 and 410.
7. Recommended maximum pipe sizes are 18" longitudinal and 30" transverse. For larger pipe, use Alt. B bottoms, Index No. 200.
8. Grates can be fabricated with reticuline bars or with either ⅜"Ø electroforged or ½"Ø welded cross bars and full depth bars as detailed.
9. When Alternate G grate is specified in plans, the grate is to be hot-dip galvanized after fabrication.
10. For pay item purposes the height of the structure shall be computed using the theoretical gutter elevation, less the flow line elevation of the lowest pipe or to top of sump floor.
11. All dimensions are for both precast and cast-in-place inlets unless otherwise noted.
12. Inlets to be paid for under the contract unit price for Inlets (Barrier Wall) (Rigid) (Curb & Gutter), Each.
13. Barrier wall to be paid for under the contract unit price for Barrier Wall, Concrete (Rigid-Curb & Gutter) LF.



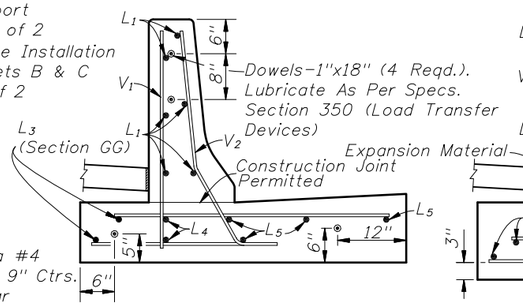

(Pipe Opening Shown)

SECTION AA



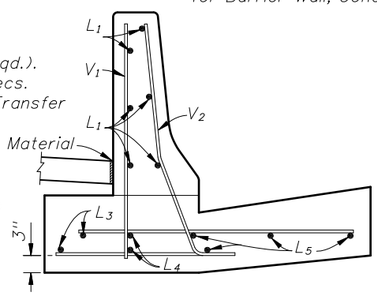

(Pipe Opening Not Shown)

SECTION BB

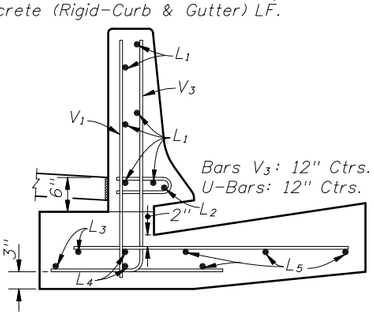



Note: For SECTION FF and additional details see Index No. 410, 'CONCRETE BARRIER WALL (RIGID) (CURB & GUTTER)'

SECTION FF & GG




SECTION HH




Note: Replaces Section HH for double throat inlet.

SECTION JJ

## HORIZONTAL WALL REINFORCING SCHEDULE (TABLE 1)

| WALL DEPTH | | SCHEDULE | AREA (in.²/ft.) | MAX. SPACING | |
|---|---|---|---|---|---|
| CIPL | PRECAST | | | BARS | WWF |
| 0'-4' | 0'-3' | A12 | 0.20 | 12" | 8" |
| 4'-9' | 3'-6' | A6 | 0.20 | 6" | 5" |
| 9'-15' | 6'-10' | B5.5 | 0.24 | 5½" | 5" |
| | 10'-15' | C6.5 | 0.37 | 6½" | 6" |

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# BARRIER WALL INLET
# BARRIER WALL, CONCRETE (RIGID) (C & G)

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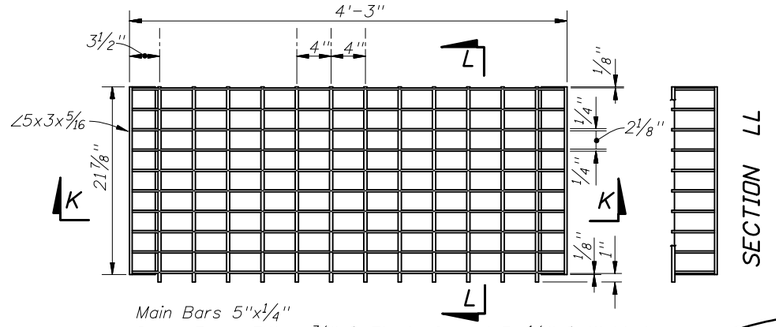
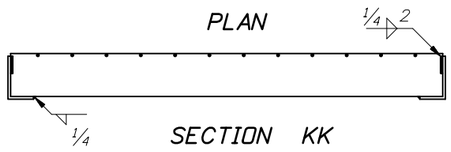
Sheet No. 1 of 2

Index No. 219

# OPTIONAL STEEL GRATES



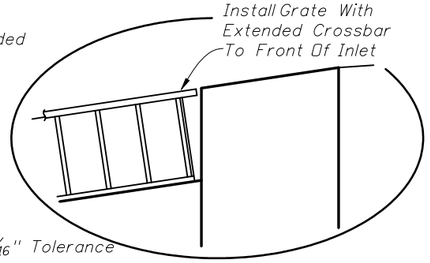

PLAN



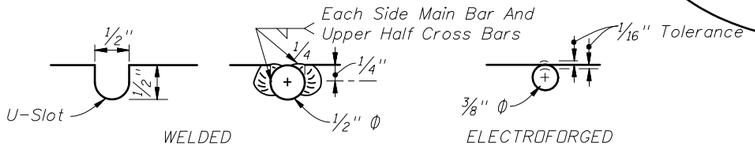

SECTION KK



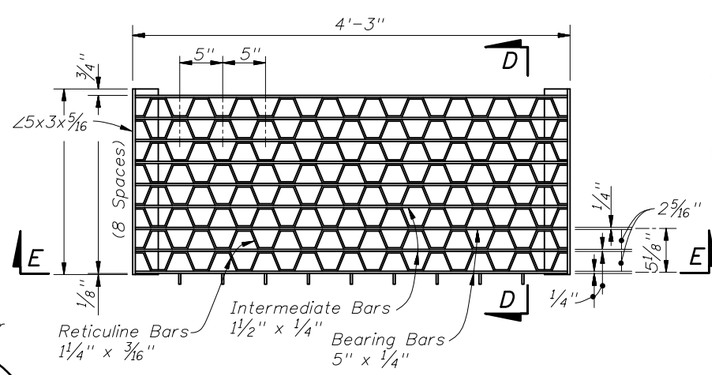
SECTION LL



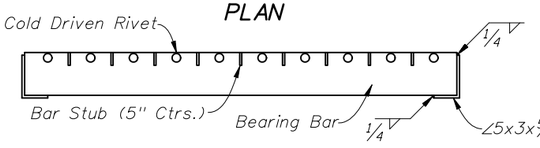

INSET B



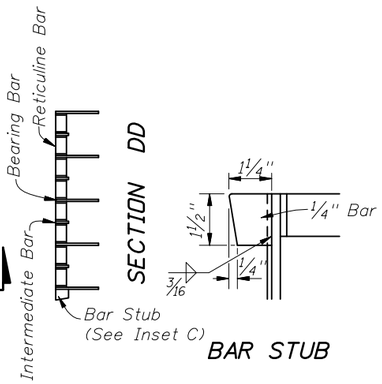

CROSS BAR OPTIONS




PLAN

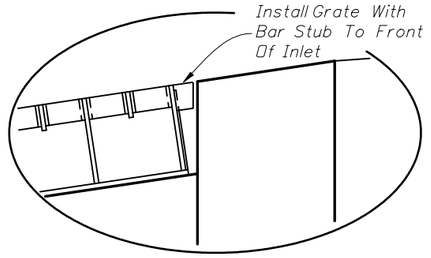



SECTION EE



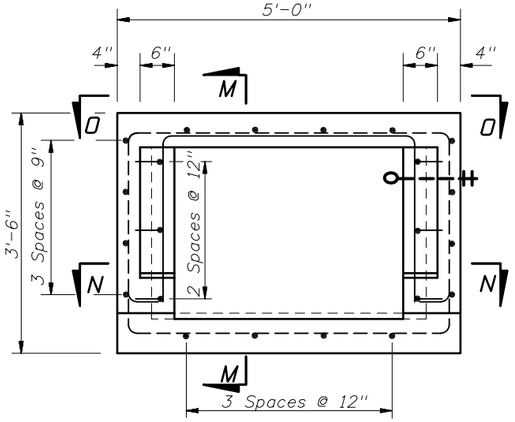

SECTION DD

BAR STUB

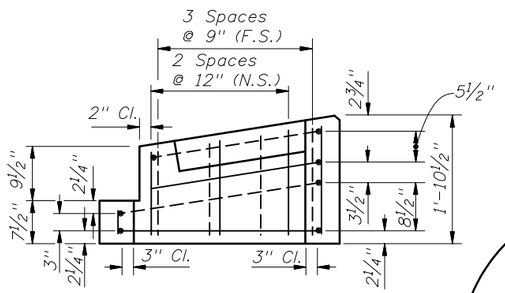



INSET C

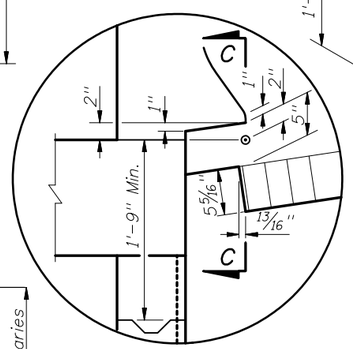
CROSS BAR




TOP VIEW OF INLET COLLAR WITHOUT GRATE

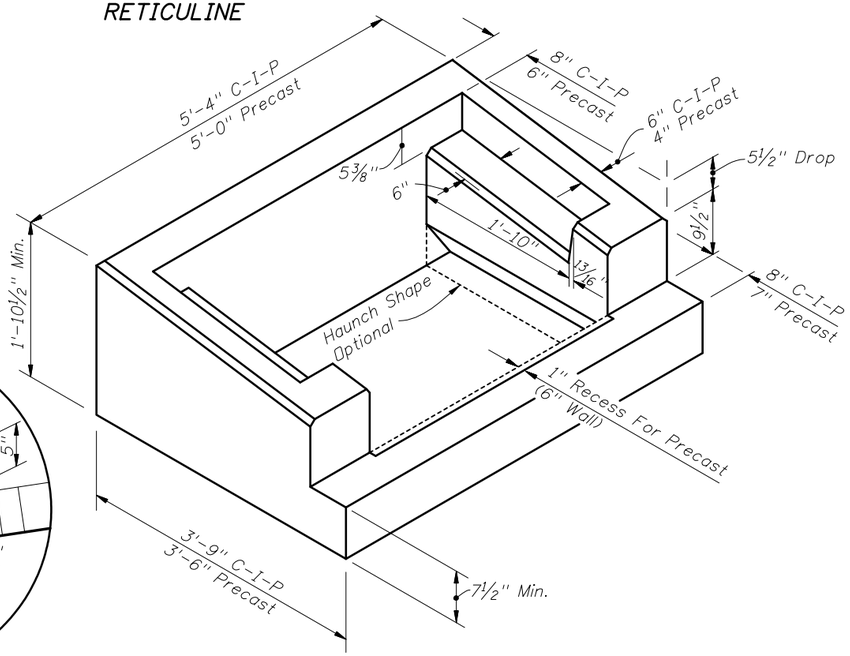



SECTION MM

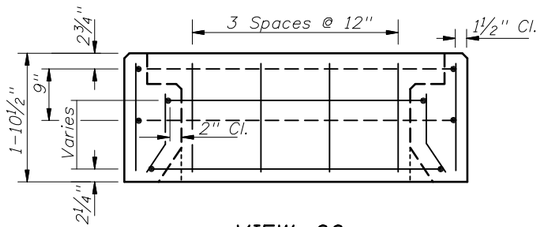



INSET A

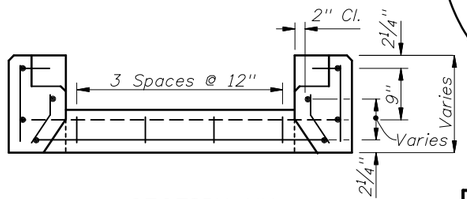
RETICULINE




PICTORIAL VIEW OF INLET COLLAR




VIEW OO




SECTION NN

PRECAST COLLAR REINFORCING DETAILS
(CAST-IN-PLACE COLLAR REINFORCING SIMILAR)

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**BARRIER WALL INLET**
**BARRIER WALL, CONCRETE (RIGID) (C & G)**

| Last Revision | Sheet No. |
|---|---|
| 07/01/05 | 2 of 2 |

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