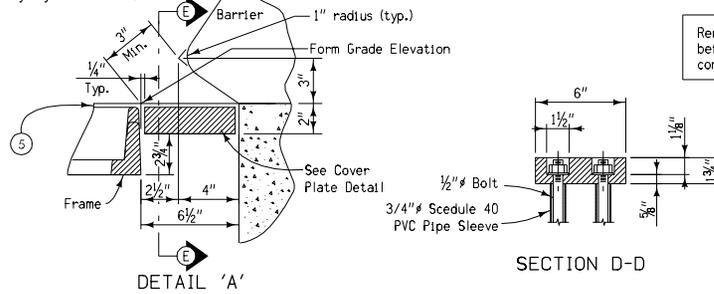


- ① Trowel smooth and place 2 layers of 30 lb. roofing felt to prevent bond.
- ② Cast frame into intake top. See Standard Road Plan RA-66D for frame and grate details.
- ③ 36" maximum concrete pipe.
- ④ If intake base is precast, it shall be placed on a 6" bed of sand. This bedding shall be compacted and provide uniform support for the entire area of the base and shall extend 12" outside the edge of the base.
- ⑤ Top elevation of grates shall be 1/4" below Form Grade Elevation.
- ⑥ Possible subdrain. See plans for location and elevation. See Standard Road Plan RF-19C for connection details.
- ⑦ Slope of top shall vary to match elevation of adjacent pavement.
- ⑧ Intake base may be cast in place or precast. If precast, the base and first wall section may be cast separately with a keyway or as one unit.

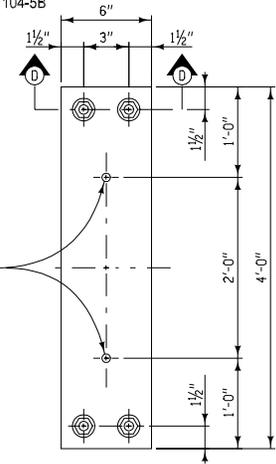


Steps, when specified, shall meet the requirements of ASTM C478. The top step shall be located a maximum of 28" below the form grade elevation.

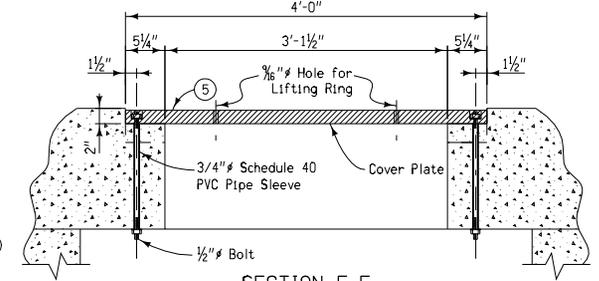
Contract Items:

Barrier Intake, RA-48A

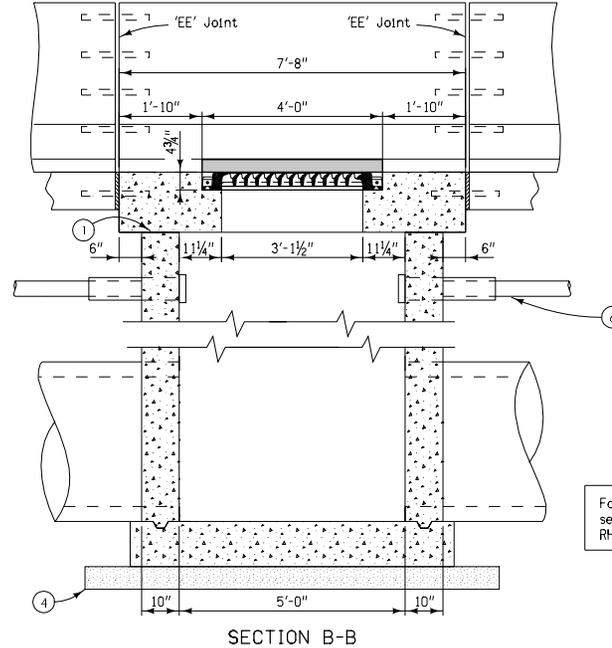
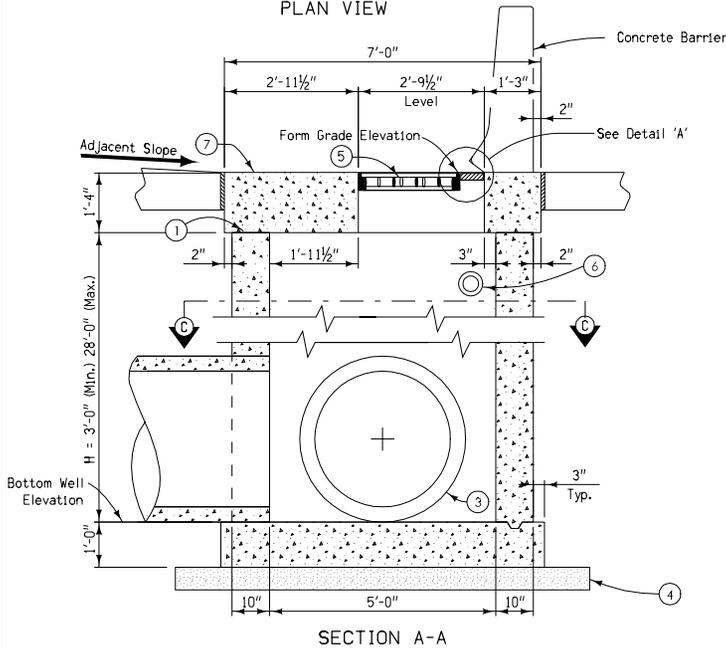
Tabulation: 104-5B



All Plate steel to be ASTM A36, galvanized after fabrication.



For joint details, see Standard Road Plans RH-50, RH-51, and RH-52.



<b>STANDARD ROAD PLAN RA-48A(1)</b>	
REVISION: NEW	REVISION NO. NEW
<i>Deanna Masfield</i> APPROVED BY DESIGN METHODS ENGINEER	
REVISION DATE 04-18-06	
<b>SINGLE GRATE          BARRIER INTAKE, RECTANGULAR</b> (Sheet 1 of 4)	