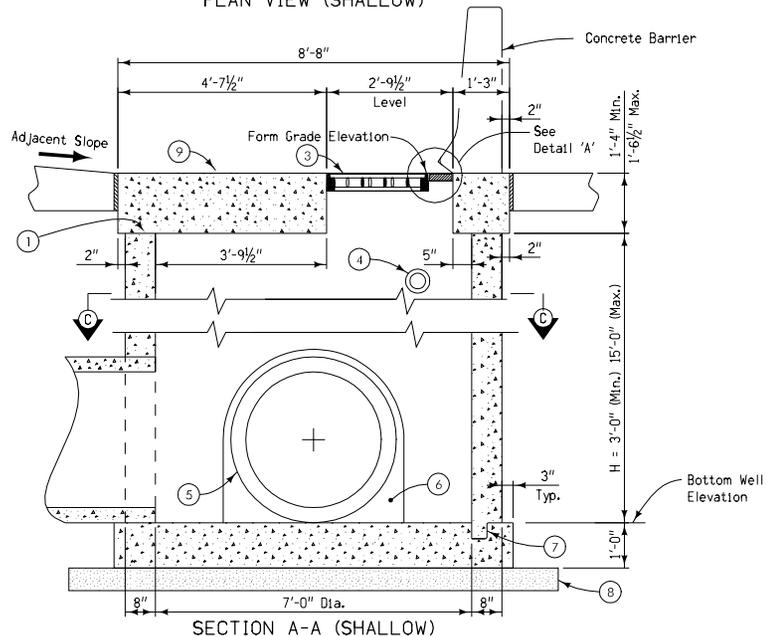
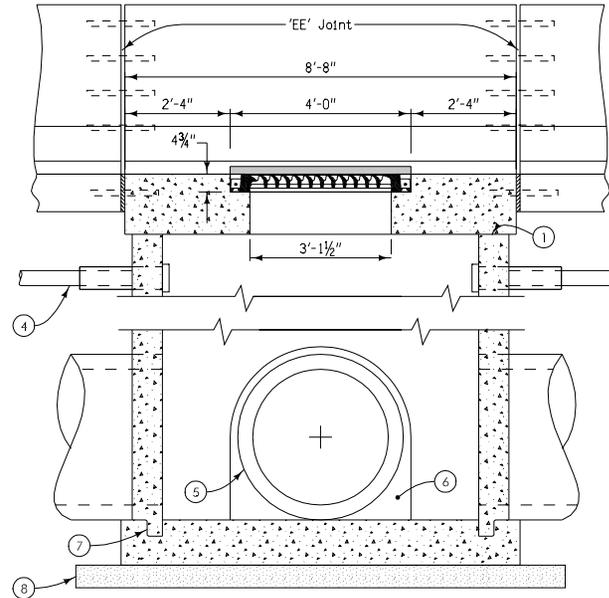


PLAN VIEW (SHALLOW)



SECTION A-A (SHALLOW)



SECTION B-B (SHALLOW)

- 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 Top elevation of grate shall be 1/4" below Form Grade Elevation.
- ④ Possible subdrain. See plans for location and elevation. See Standard Road Plan RF-19C for connection details.
- ⑤ 36" maximum concrete pipe.
- ⑥ Oversized hole for pipe opening to be field grouted. See Standard Road Plan RA-56.
- ⑦ 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.
- ⑧ 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.
- ⑨ Slope of top shall vary to match elevation of adjacent pavement.

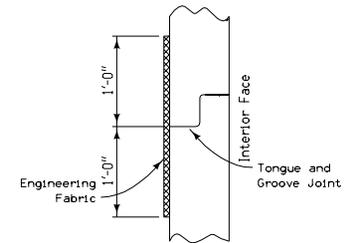
Remove cover plate before constructing concrete barrier.

Shallow intake option:
H = 3'-0" to 15'-0"
7' barrel diameter

Deep intake option:
H = 15'-0" to 28'-0"
4' and 7' barrel diameters

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-48B
Tabulation: 104-5B



WALL JOINT DETAIL

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

STANDARD ROAD PLAN RA-48B(1)	
REVISION: NEW	REVISION NO. NEW
<i>Deanna Masfield</i> APPROVED BY DESIGN METHODS ENGINEER	
REVISION DATE 04-18-06	
SINGLE GRATE BARRIER INTAKE, CIRCULAR (Sheet 1 of 5)	