## **DESIGNER INFORMATION**

Extend subdrain 3 inches minimum (6 inches maximum) into precast subdrain headwall. Connect using one of the following methods:
-Grouted connection using a non-shrink grout complying with Materials I.M. 491.13

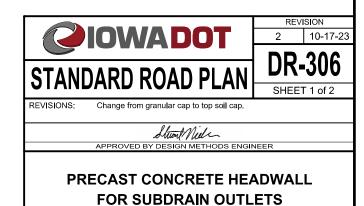
-Gasketed connection approved by the Engineer.

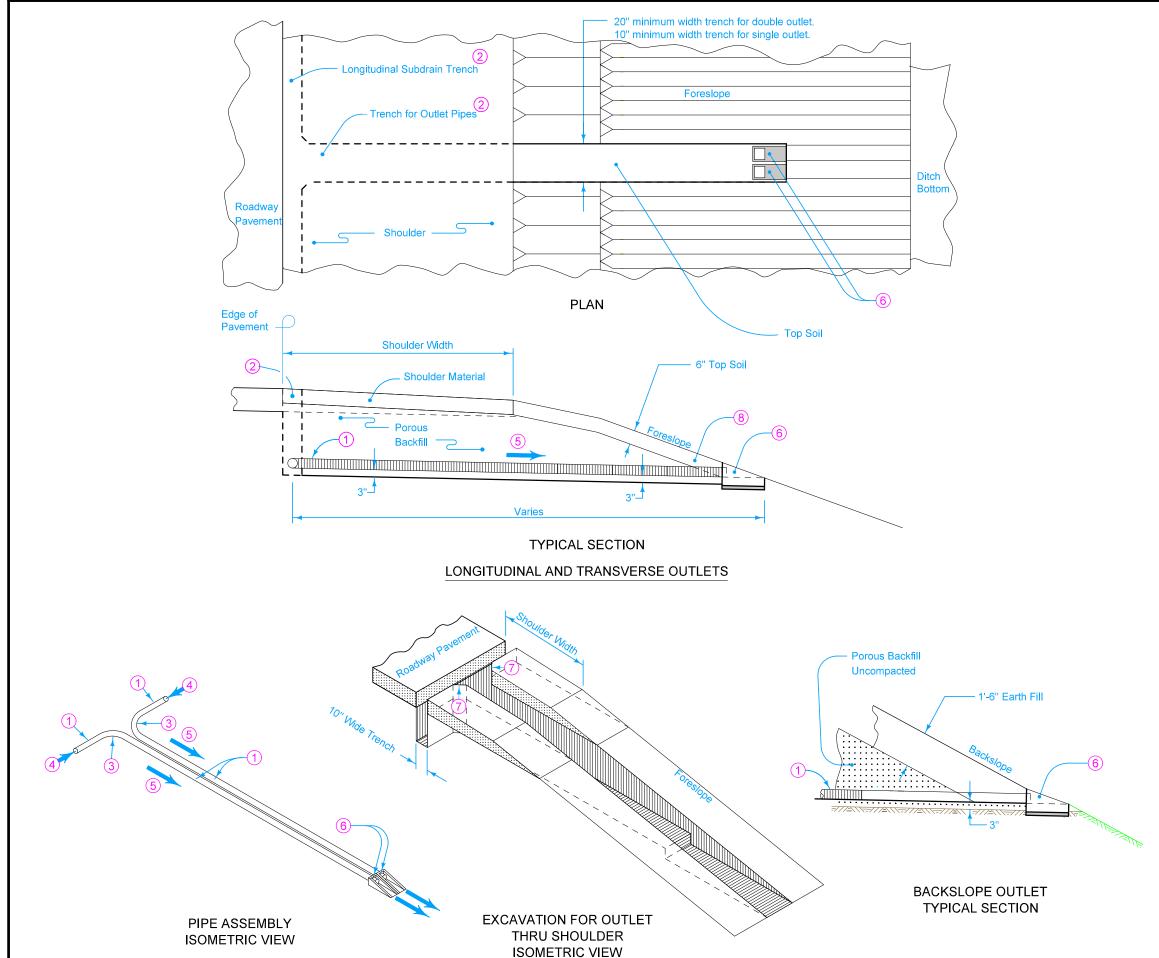
Shape adjacent slope to match slope of precast subdrain headwall.

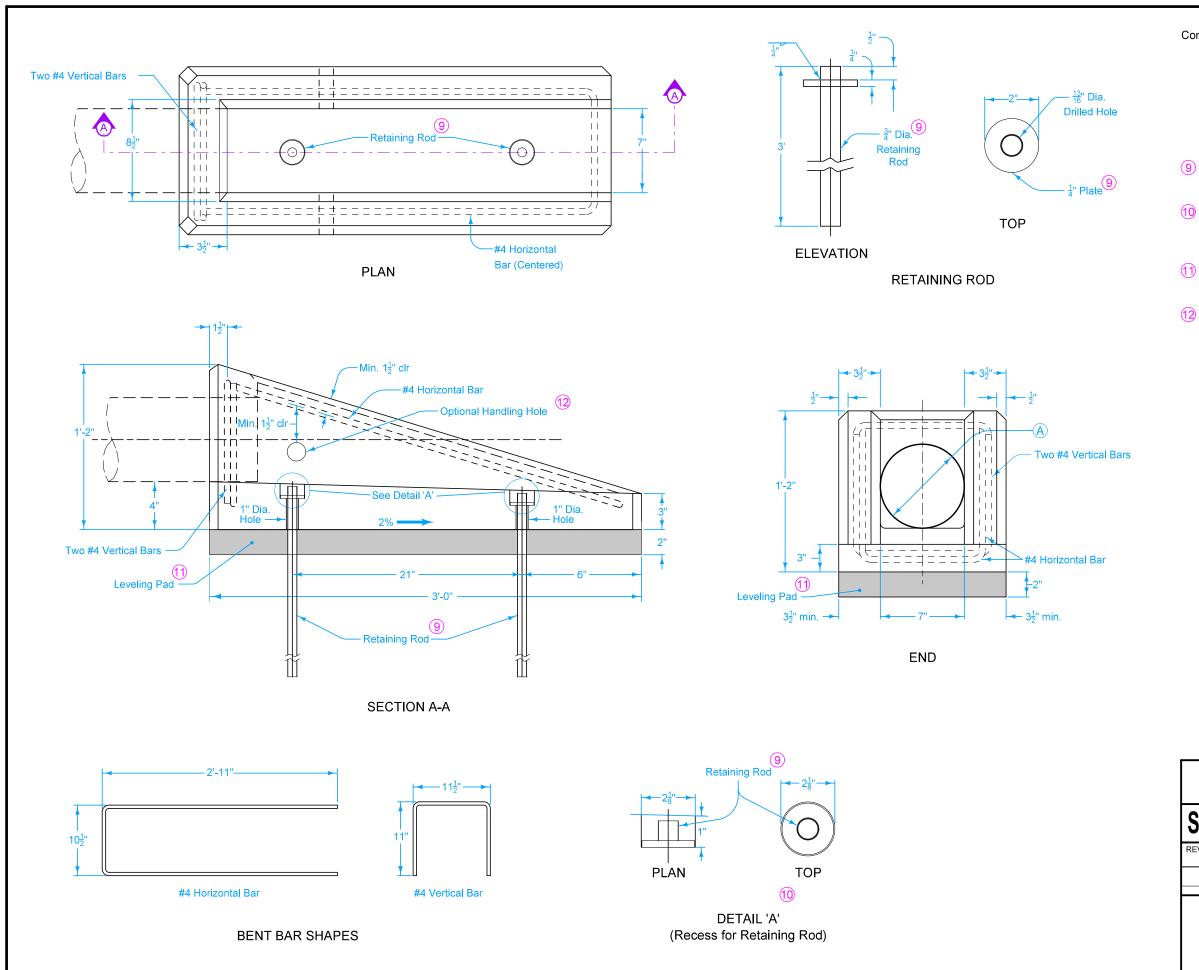
- 1 Perforated Subdrain (Polyethylene Corrugated Tubing).
- On projects where existing shoulder material is removed, replace the shoulder material according to Article 2502.03, C of the Standard Specifications.
- (3) 'Y' or 'T' connection will not be allowed. Place subdrain on 1 foot minimum radius.
- 4 Direction of flow.
- 6 inch minimum drop in elevation between longitudinal subdrain and outlet. 12 inch minimum drop for projects using recycled PCC subbase.
- 6 Precast concrete headwall.
- 7 Bevel the trench to provide a minimum of 3 inches of porous backfill surrounding all portions of subdrain pipe.
- 8 Place Top Soil over outlet and carefully compact to avoid damaging outlet pipe.

Possible Contract Item: Subdrain Outlet, DR-306

Possible Tabulation: 104-5C 104-9







Comply with Section 2419 of the Standard Specifications.

- 9 ASTM A36 Steel galvanized according to ASTM A123 or ASTM F2329 after shop welding is complete.
- After installing retaining rod, fill recess with bituminous material complying with ASTM C990 to prevent moisture infiltration.
- (11) Granular material complying with Section 4133 of the Standard Specifications.
- Maximum diameter 2 inches. Fill hole with soil tight plug after placing headwall and before placing backfill.

