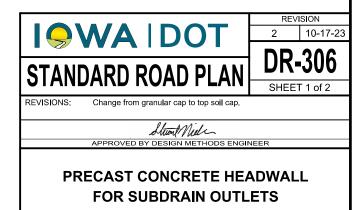
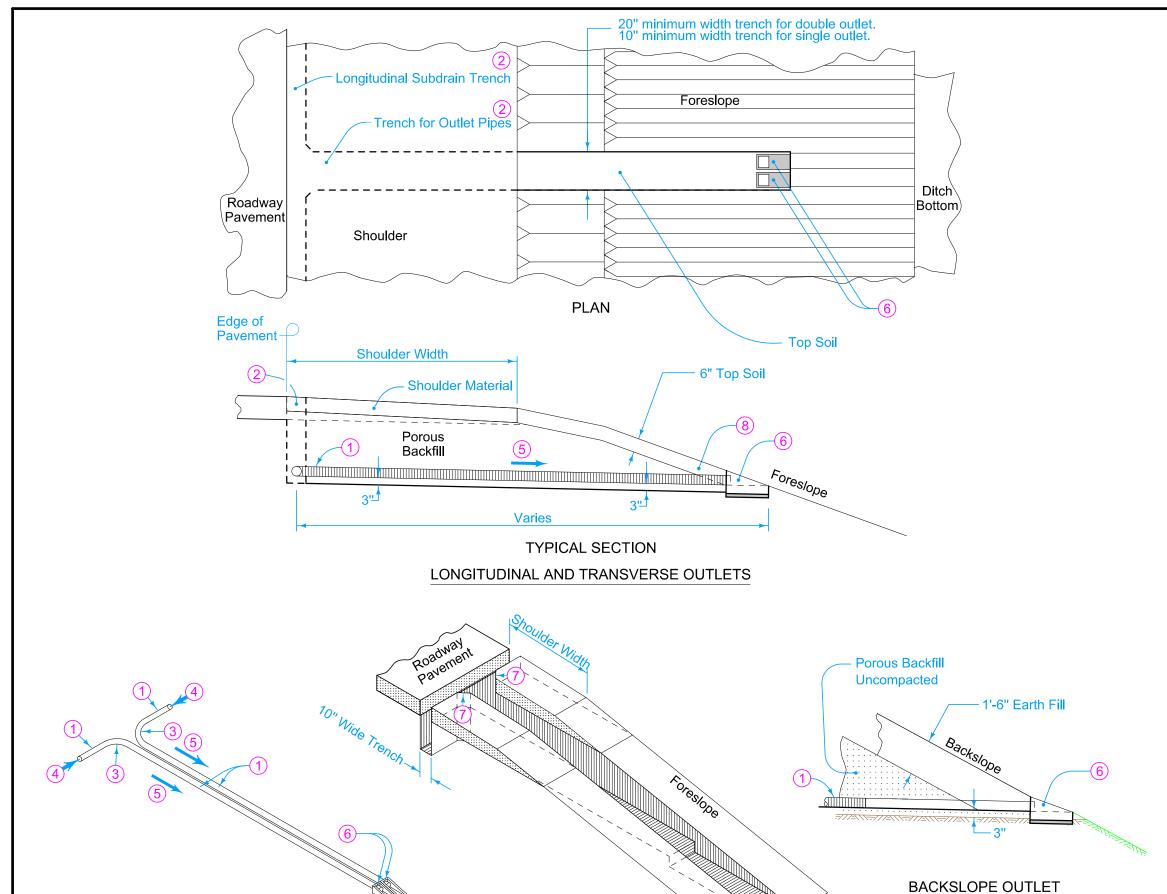
DESIGNER INFORMATION Extend subdrain 3 inches minimum (6 inches maximum) into precast subdrain headwall. Connect using one of the following methods: -Grouted connection using a non-shrink grout complying with Materials I.M. 491.13. -Gasketed connection approved by the Engineer. Shape adjacent slope to match slope of precast subdrain headwall. 1 Perforated Subdrain (Polyethylene Corrugated (2) 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. (5) 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. 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



TYPICAL SECTION



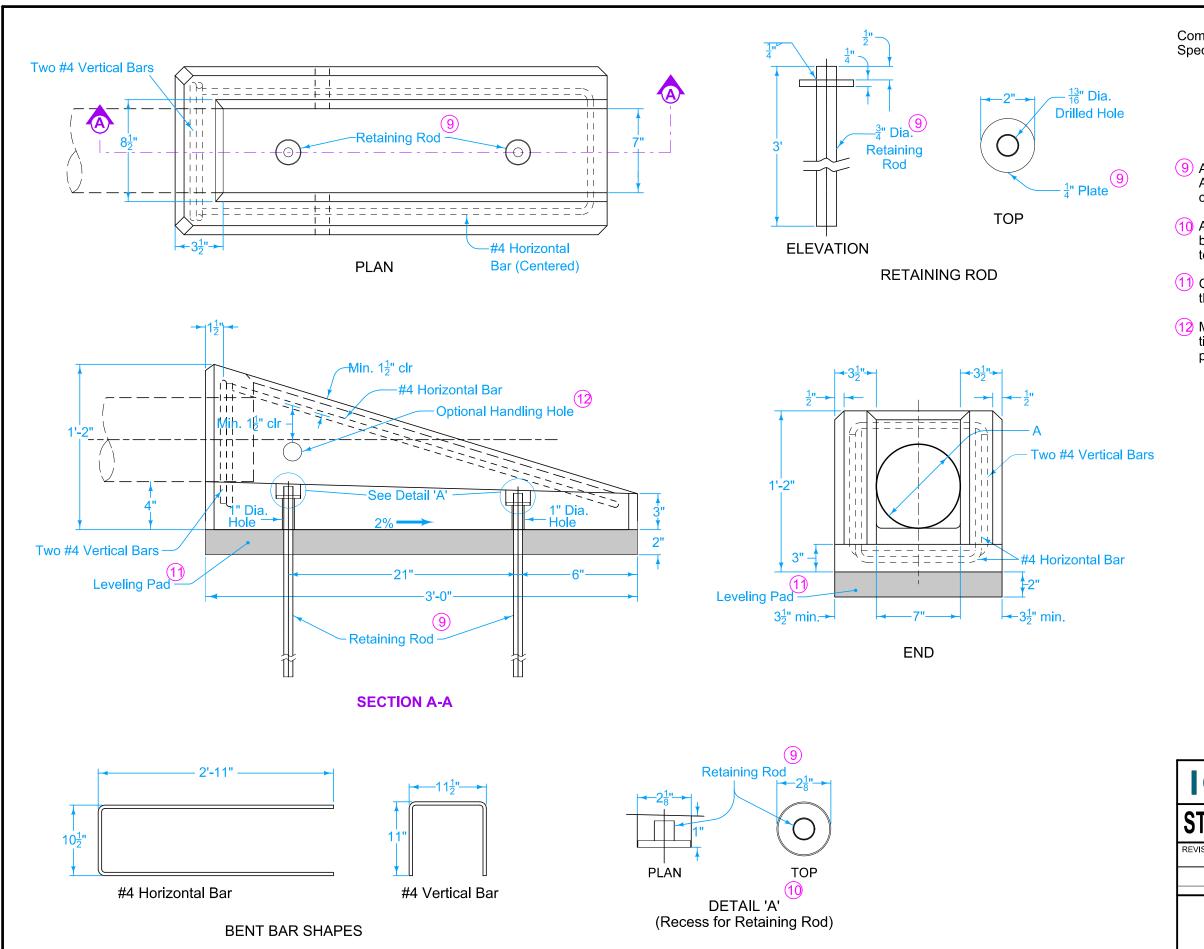
EXCAVATION FOR OUTLET

THRU SHOULDER

ISOMETRIC VIEW

PIPE ASSEMBLY

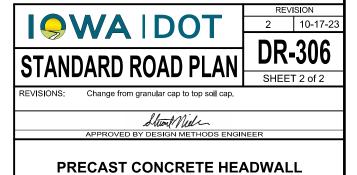
ISOMETRIC VIEW



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.
- 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.

DIMENSION	4" DIA PIPE	6" DIA PIPE
Α	5"	7"



FOR SUBDRAIN OUTLETS