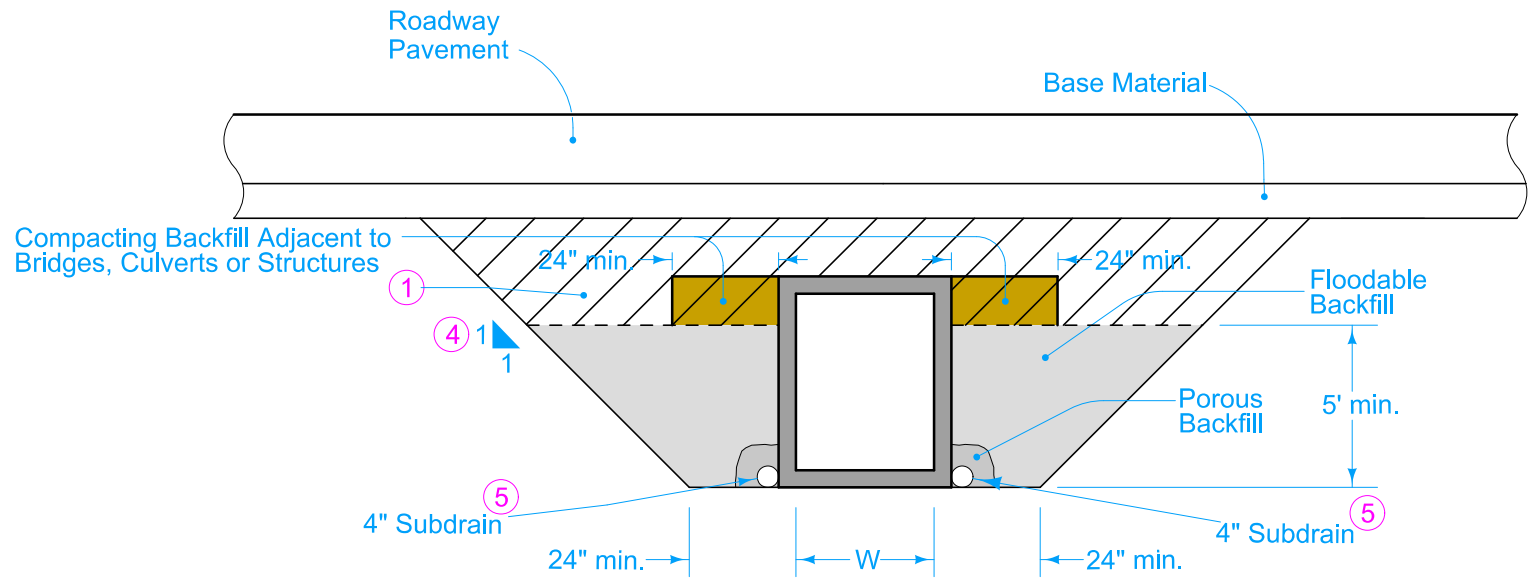
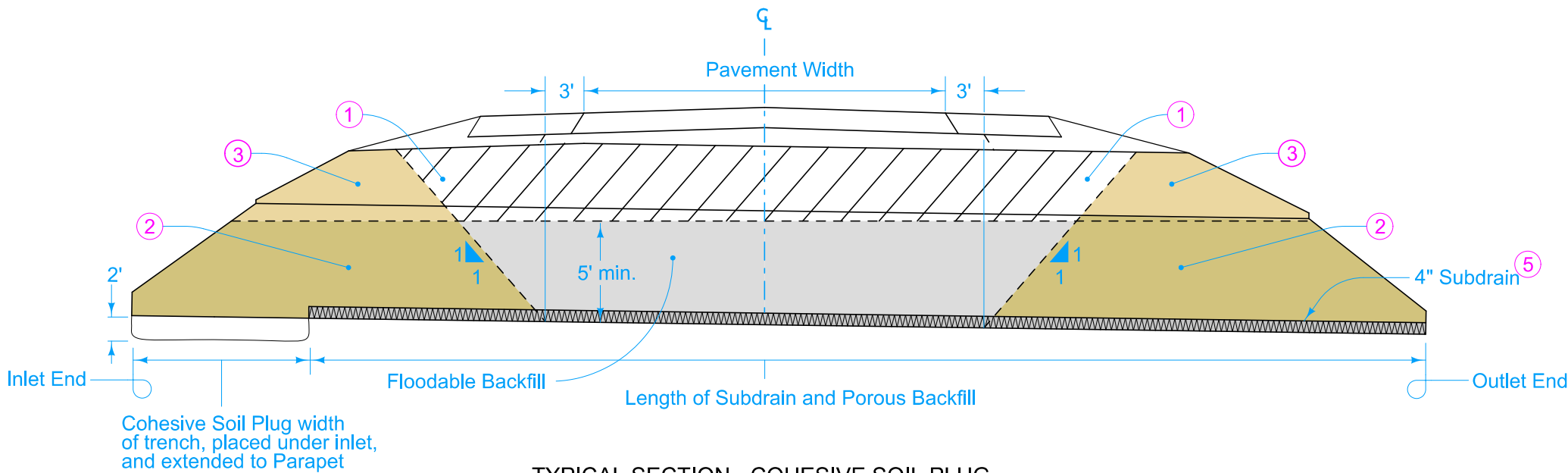




RCB INSTALLATION



TYPICAL SECTION - COHESIVE SOIL PLUG

- ① Excavated material meeting the requirements of the Standard Specifications. Compact using moisture control. The Contractor has the option to use Floodable Backfill. No additional compensation will be provided if the Contractor elects to use Floodable Backfill in lieu of suitable soil.
- ② Prior to flooding, place a cohesive soil plug to the height of the floodable backfill at the inlet, outlet and sides of the culvert.
- ③ Excavated material meeting the requirements of the Standard Specifications. Compact using moisture control. If the option to use Floodable Backfill to the top of subgrade is used, extend the cohesive soil plug to the top of subgrade.
- ④ Quantity calculations for payment are based on a 1:1 slope and minimum trench dimension. Actual slope of trench may vary based upon Contractor's operations. No additional payment will be made for additional quantities resulting from use of flatter slopes.
- ⑤ Place at flowline elevation of culvert starting at parapet for inlet and outletting at end of outlet headwall wings. Cover with a minimum of 4 inches of Porous Backfill.

Possible Contract Items:
Flooded Backfill
Excavation, Class 20
Compaction with Moisture Control
Compacting Backfill Adjacent to Bridges, Culverts or Structures

Possible Tabulations:
103-6
104-4

 IOWA DOT		REVISION	
		2	04-17-18
STANDARD ROAD PLAN		DR-111	
		SHEET 1 of 1	
REVISIONS:	Added Compacting Backfill Adjacent to Bridges, Culverts or Structures to Possible Contract Items and RCB Installation detail. Revised notes 3 and 4.		
			
APPROVED BY DESIGN METHODS ENGINEER			
BOX CULVERT (BACKFILL)			

Denotes pay limits for flooded backfill