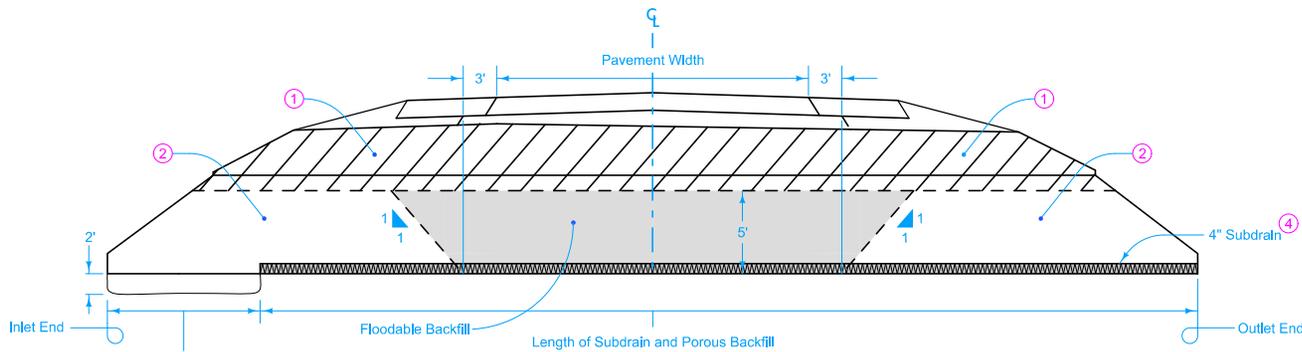


**RCB INSTALLATION**

- 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 Quantity calculations are based upon a 1:1 slope and minimum trench dimension. Actual slope of trench may vary based upon Contractor's operations.
- ④ 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.



**TYPICAL SECTION - COHESIVE SOIL PLUG**

Possible Contract Items:  
 Flooded Backfill  
 Excavation, Class 20  
 Compaction with Moisture Control (Structures)

Possible Tabulations:  
 103-6  
 104-4

Denotes pay limits for flooded backfill

<b>IOWA DOT</b>	REVISION New 04-21-15
	STANDARD ROAD PLAN
DR-111	SHEET 1 of 1
REVISIONS: New, Replaces RF-30D, Changed 12" dimension from outside of box to trench to 24" min. from inside of box to trench.	
APPROVED BY DESIGN METHODS ENGINEER	
BOX CULVERT (BACKFILL)	