

Appendix

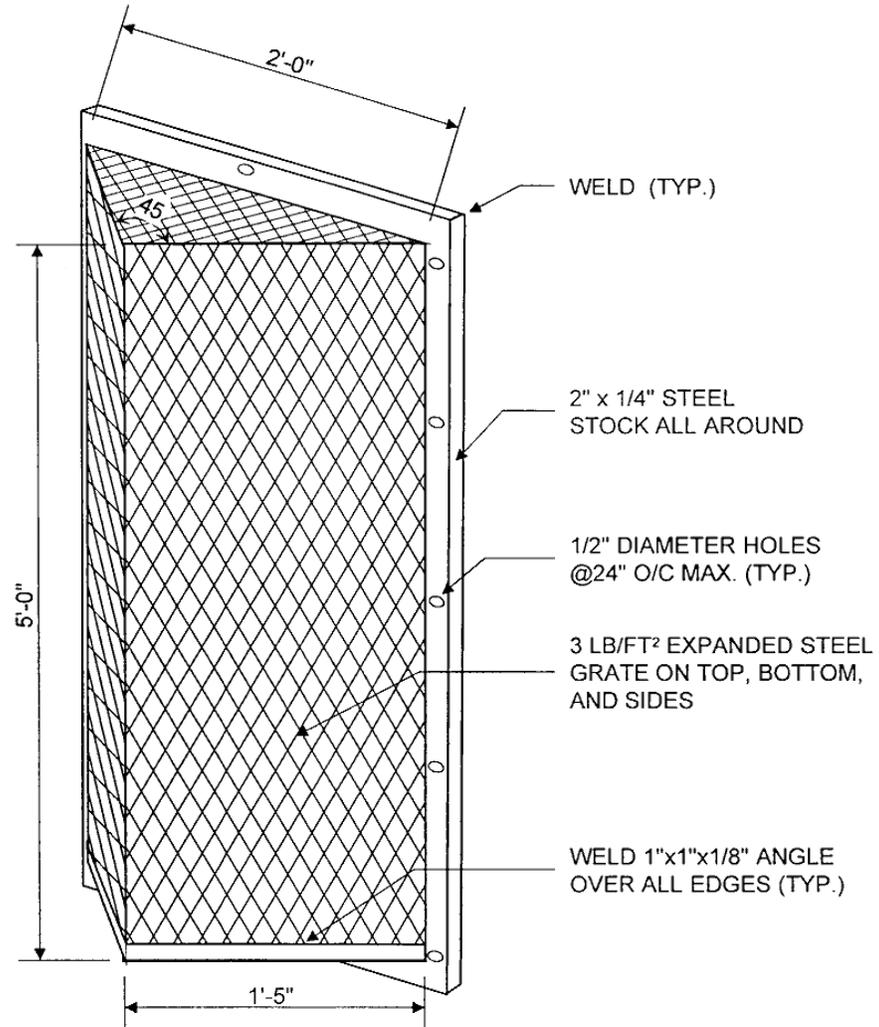
D.8

**Miscellaneous Details for Compliance with
Performance Criteria**

Appendix D.8 Miscellaneous Details for Compliance with Performance Criteria

- Detail 1: Trash Rack for Low Flow Orifice
- Detail 2: Expanded Trash Rack Protection for Low Flow Orifice
- Detail 3: Internal Control for Orifice Protection
- Detail 4: Observation Well for Infiltration Practices
- Detail 5: Off-line Versus On-line Schematic
- Detail 6: Isolation/Diversion Structure
- Detail 7: Half Round CMP Hood
- Detail 8: Half Round CMP Weir
- Detail 9: Concrete Level Spreader

Detail 1 Trash Rack Protection for Low Flow Orifice

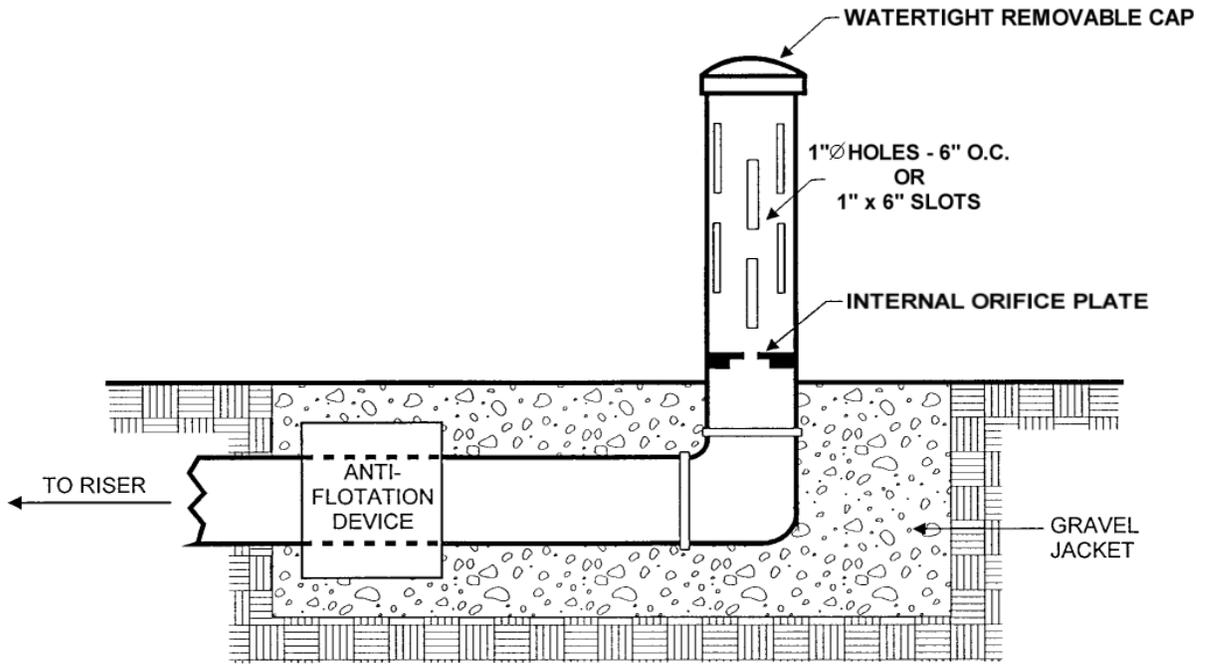


NOTES FOR TRASH RACK

1. TRASH RACK TO BE CENTERED OVER OPENING.
2. STEEL TO CONFORM TO ASTM A-36.
3. ALL SURFACES TO BE COATED WITH ZRC COLD GALVANIZING COMPOUND AFTER WELDING.
4. TRASH RACK TO BE FASTENED TO THE WALL WITH 1/2" MASONRY ANCHORS. TRASH RACK TO BE REMOVABLE.

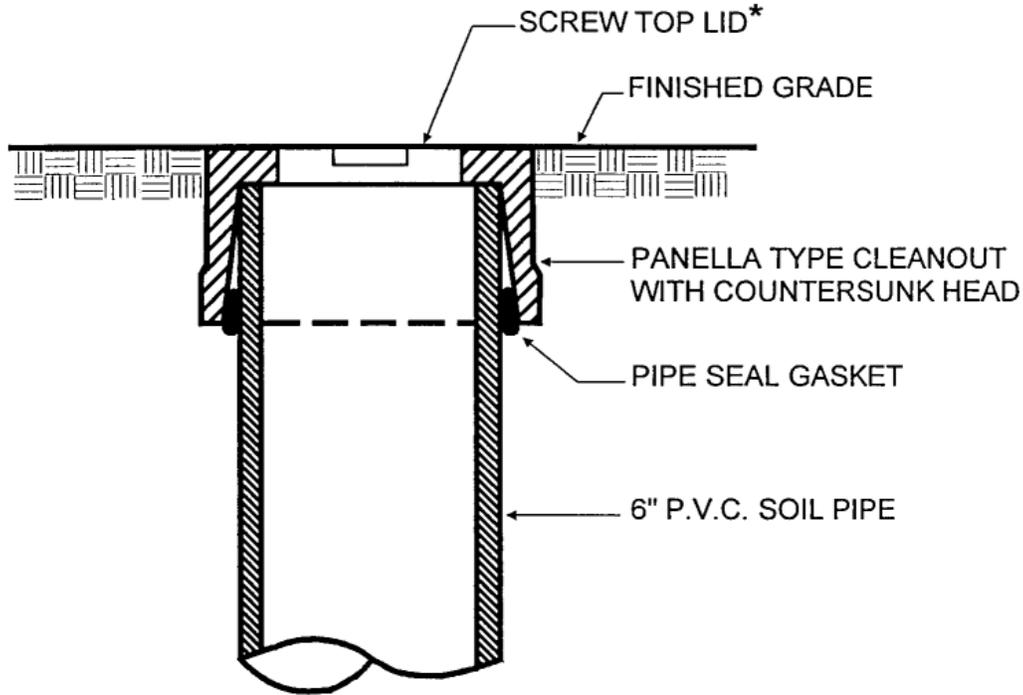
TRASH RACK DETAIL (NTS)

Detail 3 Internal Control for Orifice Protection



INTERNALLY CONTROLLED ORIFICE (NTS)

Detail 4 Observation Well for Infiltration Practices



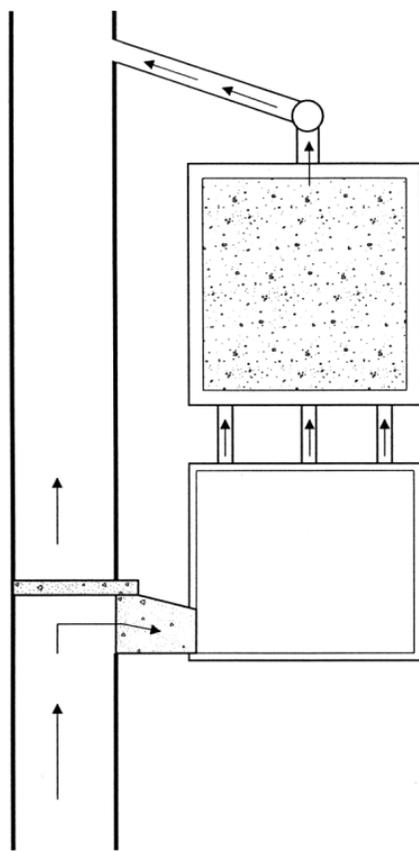
* ABOVE DETAIL PROVIDED AS SCHEMATIC
SCREW TOP P.V.C. WELL CAP ONLY

EACH OBSERVATION WELL / CLEANOUT SHALL INCLUDE THE FOLLOWING:

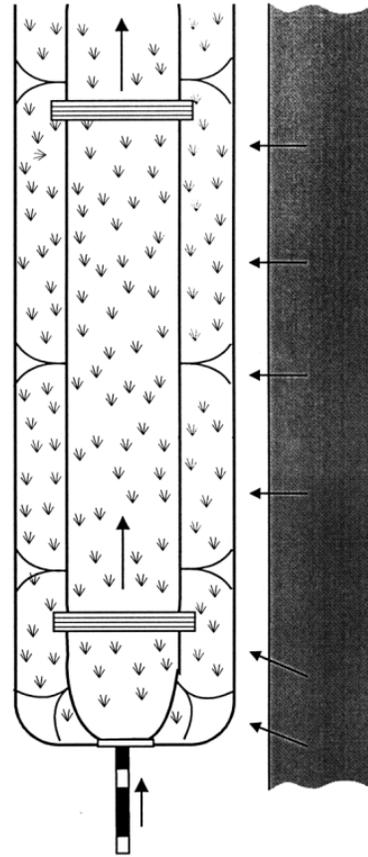
1. FOR AN UNDERGROUND FLUSH MOUNTED OBSERVATION WELL / CLEANOUT, PROVIDE A TUBE MADE OF NON-CORROSIVE MATERIAL, SCHEDULE 40 OR EQUAL, AT LEAST THREE FEET LONG WITH AN INSIDE DIAMETER OF AT LEAST 6 INCHES.
2. THE TUBE SHALL HAVE A FACTORY ATTACHED CAST IRON OR HIGH IMPACT PLASTIC COLLAR WITH RIBS TO PREVENT ROTATION WHEN REMOVING SCREW TOP LID. THE SCREW TOP LID SHALL BE CAST IRON OR HIGH IMPACT PLASTIC THAT WILL WITHSTAND ULTRA-VIOLET RAYS.

OBSERVATION WELL DETAIL

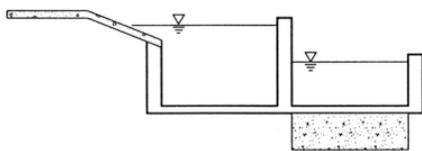
Detail 5 Off-Line Versus On-Line Schematic



PLAN VIEW

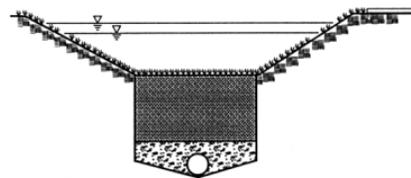


PLAN VIEW



SECTION

OFF-LINE
FILTERING SYSTEM

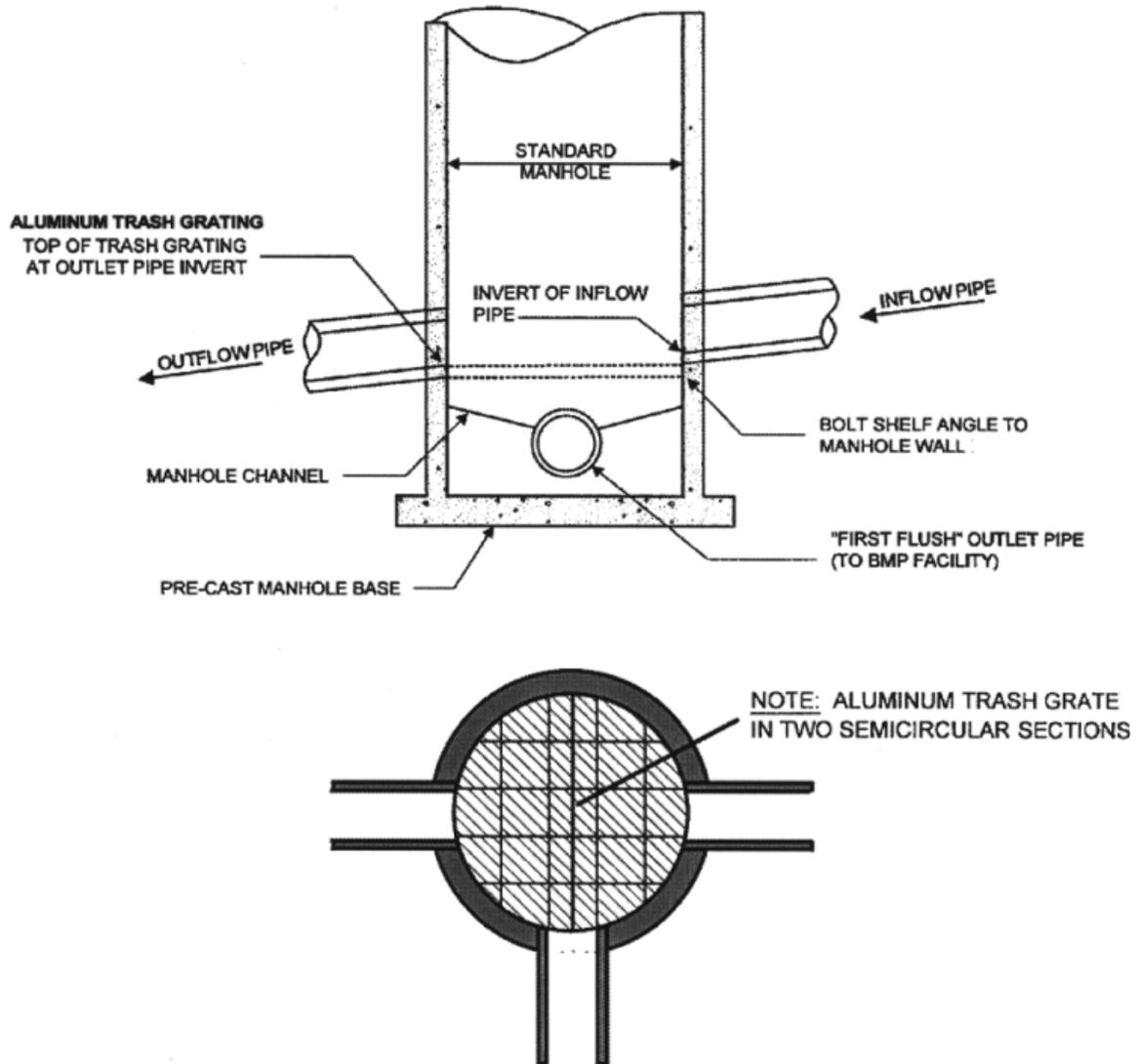


SECTION

ON-LINE
FILTERING SYSTEM

SCHMATIC: ON-LINE vs OFF-LINE

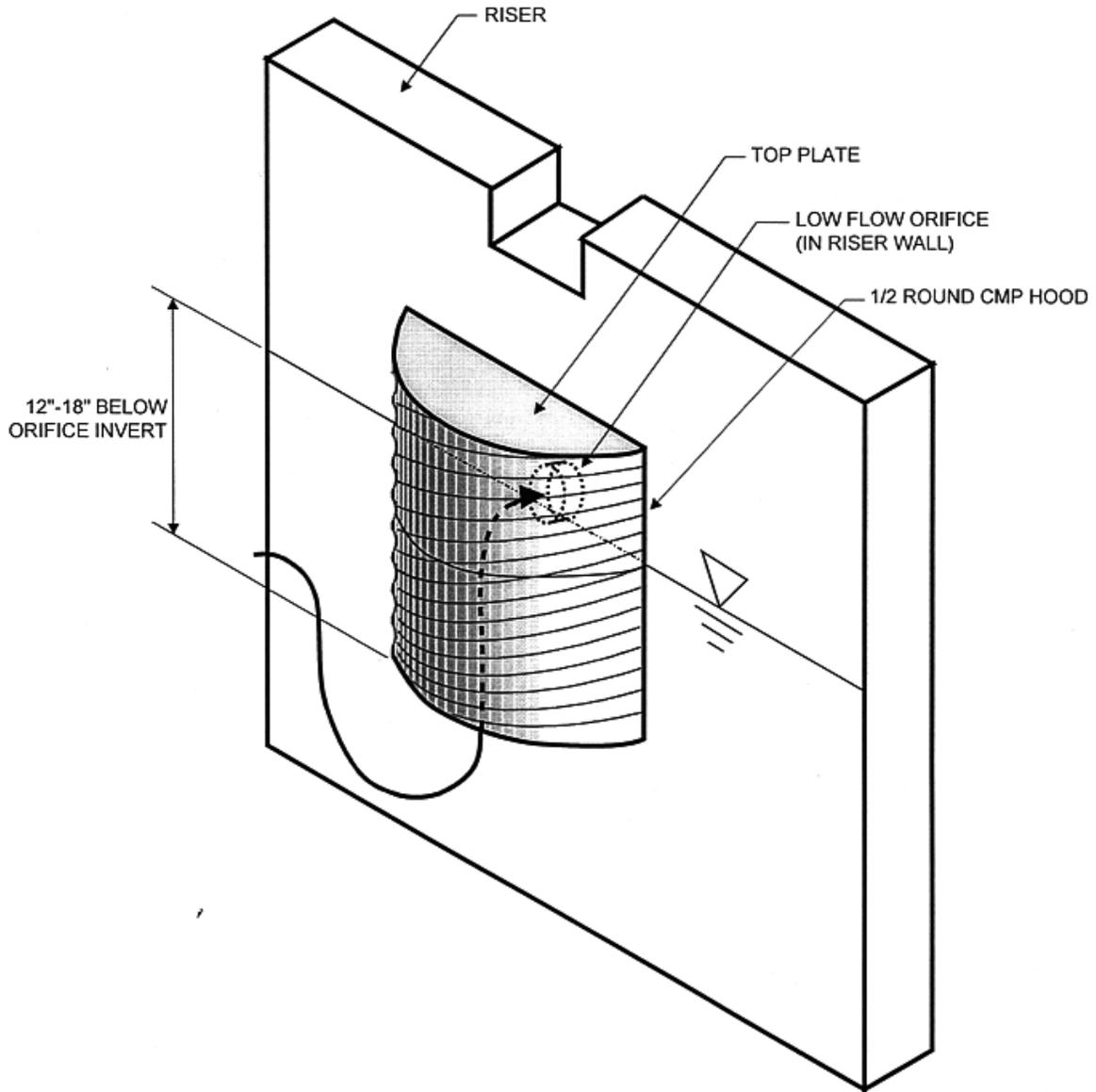
Detail 6 Isolation Diversion Structure



TYPICAL ISOLATION / DIVERSION MANHOLE

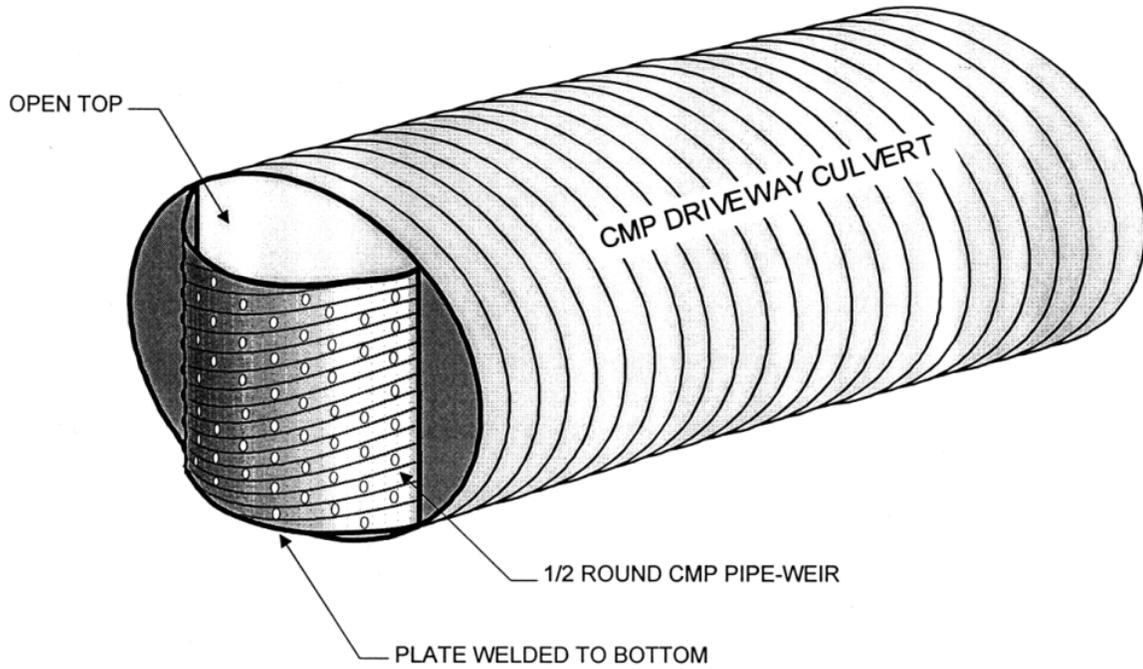
(Source: Bell, 1996)

Detail 7 Half Round CMP Hood



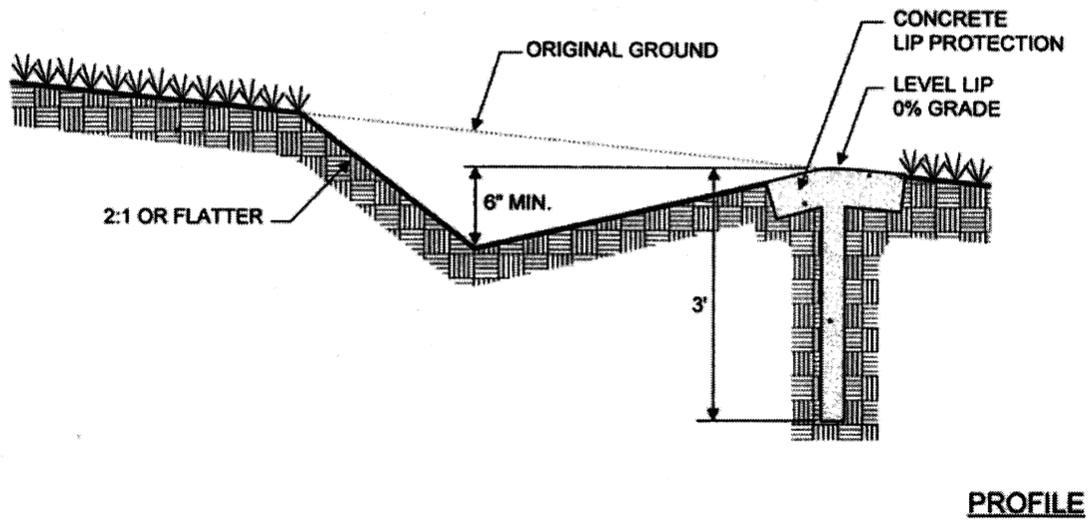
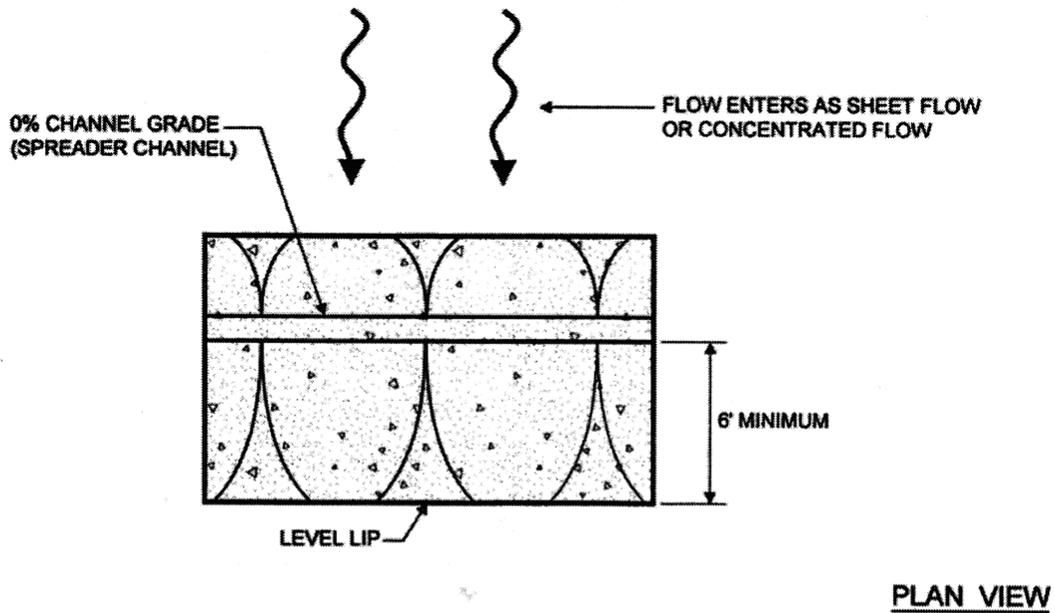
1/2 ROUND CMP PIPE-HOOD
(FOR PROTECTION OF LOW FLOW ORIFICE)

Detail 8 Half Round CMP Weir



1/2 ROUND CMP PIPE-WEIR
(FOR USE WITH DRY SWALE)

Detail 9 Concrete Level Spreader



LEVEL SPREADER

Source: Virginia Erosion and Sediment Control Handbook, Virginia Soil and Water Conservation Commission, 1980