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 2 Expanded Trash Rack Protection for Low Flow Orifice

EXPANDED STEEL GRATE
3 LBS/FT² WELDED INSIDE
ANGLES, TOP AND BOTH SIDES.
#3.0 GRATING

1/2" DIAMETER
HOLE (TYP.)

1" x 1" ANGLES
ALONG TOP EDGES

CAST-IN-PLACE
TRASH RACK BASE
(3'-8"x3'-2"x6")

1 LAYER 6" x 6" 4/4
WOVEN WIRE FABRIC
CENTERED IN SLAB

EXPANDED METAL TRASH RACK (NTS)
Appendix D.8. Miscellaneous Details for Compliance with Performance Criteria

**Detail 3** Internal Control for Orifice Protection

**INTERNALLY CONTROLLED ORIFICE (NTS)**
**Detail 4** Observation Well for Infiltration Practices

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SCREW TOP LID*

FINISHED GRADE

PANELLA TYPE CLEANOUT WITH COUNTERSUNK HEAD

PIPE SEAL GASKET

6" P.V.C. SOIL PIPE

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

**Schematic: On-Line vs Off-Line**
Appendix D.8. Miscellaneous Details for Compliance with Performance Criteria

**Detail 6** Isolation Diversion Structure

![Diagram of Isolation Diversion Structure](image)

**TYPICAL ISOLATION / DIVERSION MANHOLE**

(Source: Bell, 1995)
Appendix D.8. Miscellaneous Details for Compliance with Performance Criteria

Detail 7 Half Round CMP Hood

1/2 ROUND CMP PIPE-HOOD
(FOR PROTECTION OF LOW FLOW ORIFICE)
Appendix D.8. Miscellaneous Details for Compliance with Performance Criteria

**Detail 8**  Half Round CMP Weir

1/2 ROUND CMP PIPE-WEIR
(FOR USE WITH DRY SWALE)
Appendix D.8. Miscellaneous Details for Compliance with Performance Criteria

**Detail 9** Concrete Level Spreader

![Diagram of Concrete Level Spreader]

**LEVEL SPREADER**