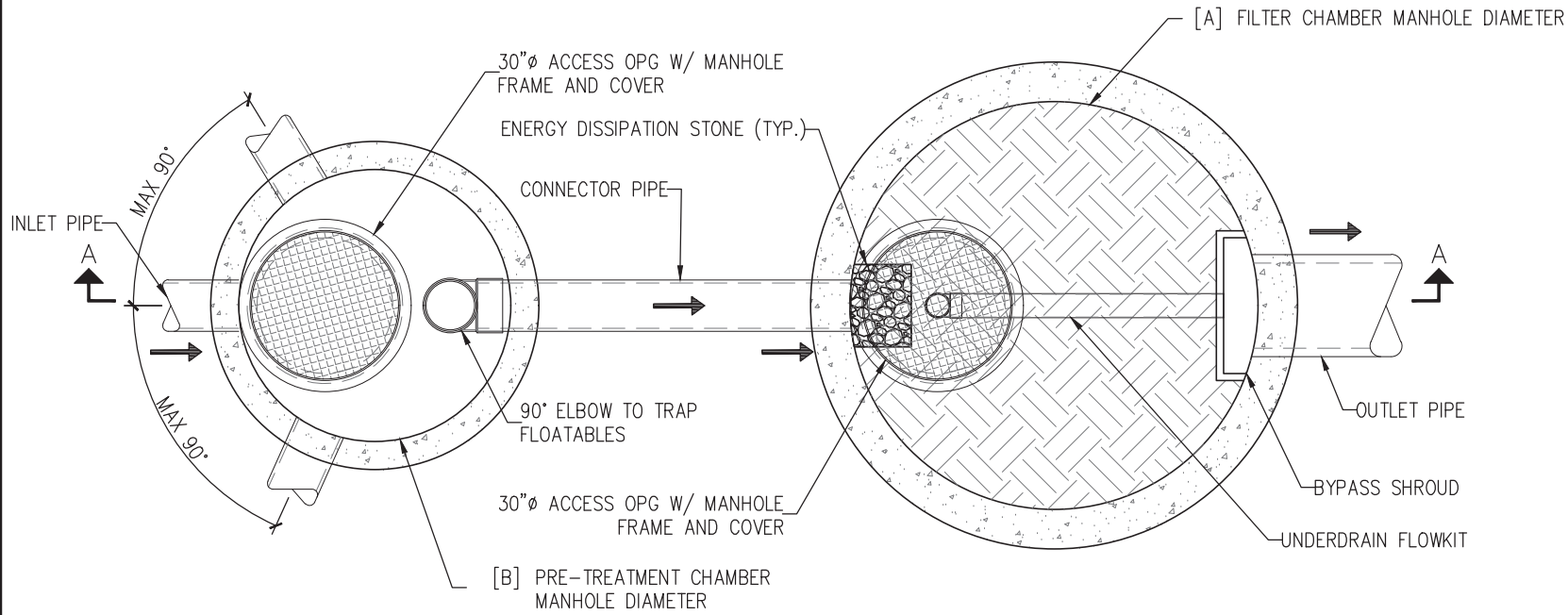
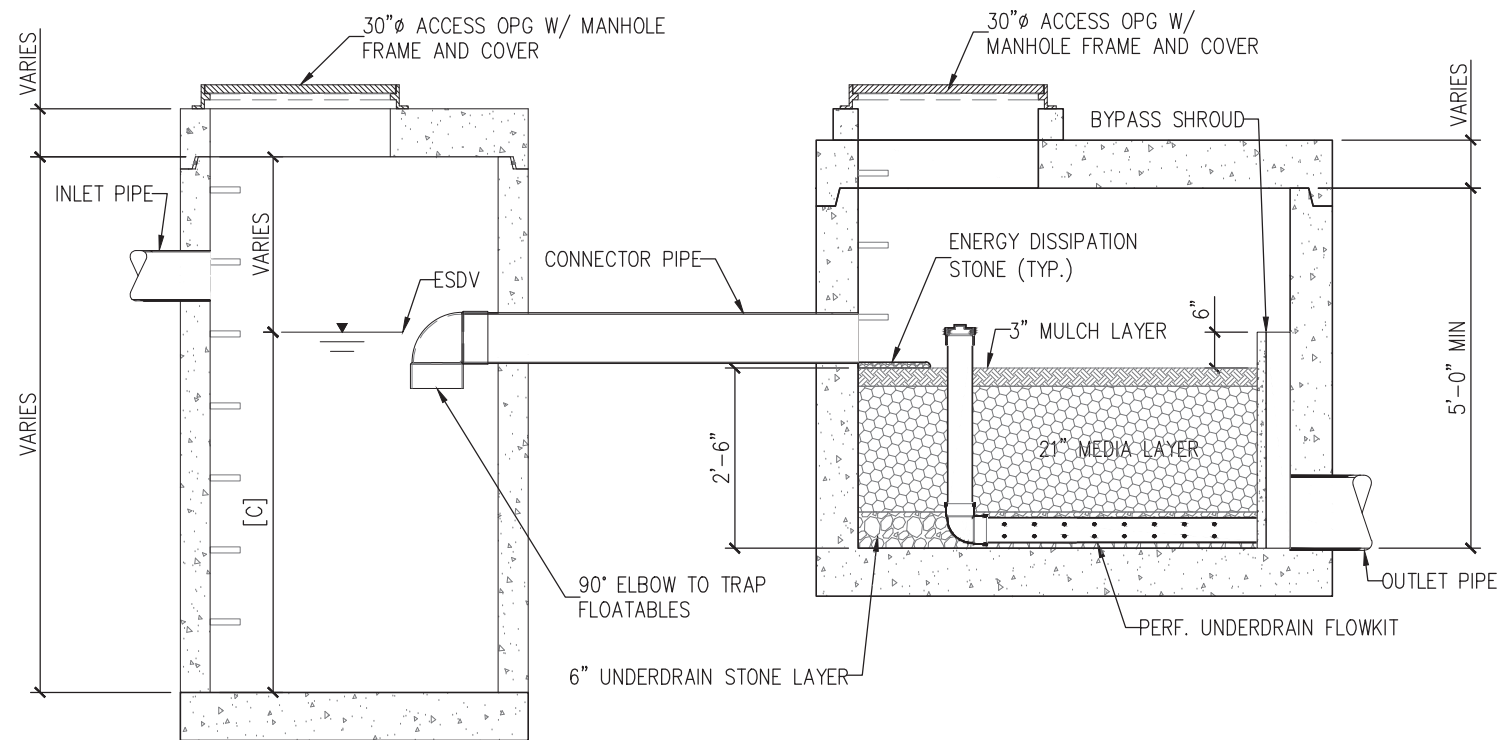
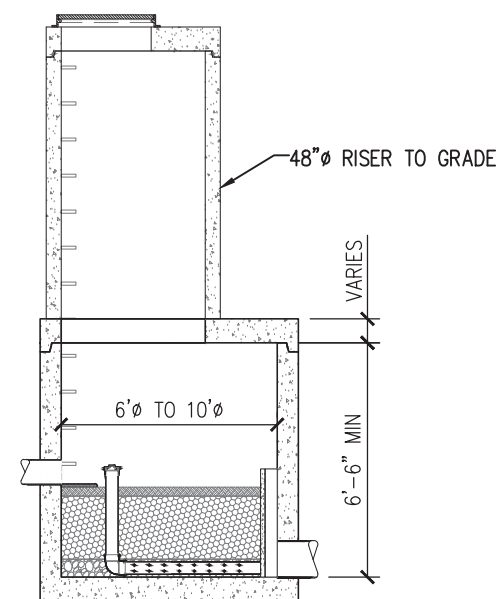




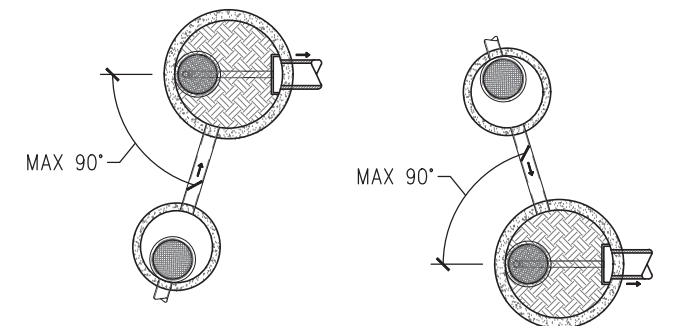
PLAN VIEW



SECTION A-A



DEEP FILL CONFIGURATION



ALTERNATIVE LAYOUTS

STRUCTURE DESIGN SPECIFICATIONS:

- PRECAST CONCRETE MINIMUM (28-DAY) STRENGTH 5000 PSI.
- REINFORCING BARS CONFORMING TO ASTM A 615 (FY=60 KSI).
- DESIGN LOAD: AASHTO HS-20
- STRUCTURE DESIGN TO MEET ASTM C-478.

CONSTRUCTION NOTES:

- CONTRACTOR TO GROUT BETWEEN ACCESS GRADE RINGS TO MATCH FINISHED GRADES.

DESIGN NOTES:

- LEFT-TO-RIGHT CONFIGURATION SHOWN, INLET PIPE LOCATION CAN BE ADJUSTED TO ACCOMMODATE OTHER PIPE LOCATIONS

CONTACT ROTONDO ENVIRONMENTAL SOLUTIONS FOR ENGINEERING ASSISTANCE AND DETAILED DRAWINGS

MODEL	MANHOLE DIAMETER [A]	PT MANHOLE DIAMETER ¹ [B]	ESDV DEPTH [C]	UNDERDRAIN PIPE DIAM. (SDR 35)	TREATMENT FLOW CAPACITY ²		BYPASS SHROUD WEIR LENGTH ³	BYPASS FLOW CAPACITY (CFS) ³	PT VOLUME PROVIDED (CF)	MAXIMUM ESDV @ 6" PONDING DEPTH (CF)
					GPM	CFS				
SGVR-PT-48	48"	48"	3'-0"	4"	18.2	0.0406	2'-8"	7.27	44	176
SGVR-PT-60	60"	48"	4'-3"	4"	28.5	0.0634	2'-8"	7.27	63	252
SGVR-PT-72	72"	48"	6'-0"	4"	41.0	0.0913	2'-8"	7.27	90	360
SGVR-PT-84	84"	72"	3'-9"	4"	55.8	0.1243	2'-11"	7.95	125	500
SGVR-PT-96	96"	72"	4'-8"	4"	72.9	0.1624	2'-11"	7.95	157	628
SGVR-PT-120	120"	96"	4'-3"	6"	113.9	0.2537	3'-6"	9.54	253	1012

NOTES:

1. PRE-TREATMENT MANHOLE DIAMETER SIZE CAN VARY DEPENDING ON SITE REQUIREMENTS AND CONSTRAINTS
2. BASED ON WASHINGTON ECOLOGY TAPE GULD APPROVAL FOR BASIC & PHOSPHOROUS AT 1.45 GPM/SF OF MEDIA SURFACE AREA
3. BYPASS FLOW CAPACITY COMPUTED ASSUMING 10.5" MAX DEPTH ABOVE WEIR (ALTERNATE WEIR LENGTHS AND MAX HEADS AVAILABLE)

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