

Job Name: 26-2114 - Portsmouth Seepage Remediation
 Job Location: Portsmouth, OH
 Contractor: Allard Excavation, LLC.

Plant: 100

9/3/2026 11:40:23 AM

Tech: J. Horsley

PC: J. Jarvis



Structure ID: 04 ST-MH

P1 MH048BA48

MH BASE

P4) 24" - CASTING HEIGHT - 9"
 P3) 48" - ECC CONE w/ 24" HOLE - 36"
 P2) 48" - MH RISER - 60"
 P1) 48" - MH BASE - 48"
 1) CASTING - NEENAH R2423 F/G
 2) 48" - Con Seal CS-102 1.00"
 1) 24" - Con Seal CS-102 1.00"
 2) Hole - 24"
 12) MH Step ML-10-TDS-NCR - 10"

0 lb
 3000 lb
 4192 lb
 4289 lb
 300 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb

Structure Notes:
 1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. REINFORCING PER ASTM A615 (GRADE 60).
 - CONE (As .12)
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

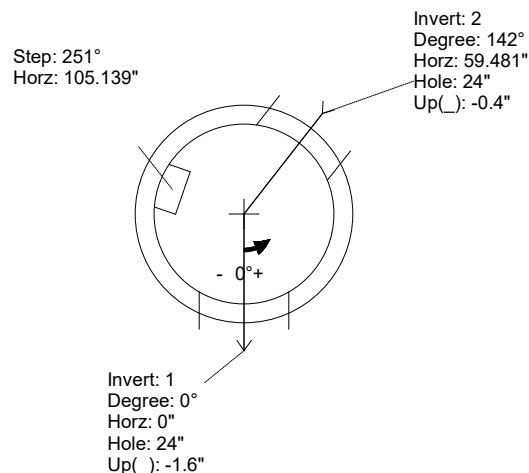
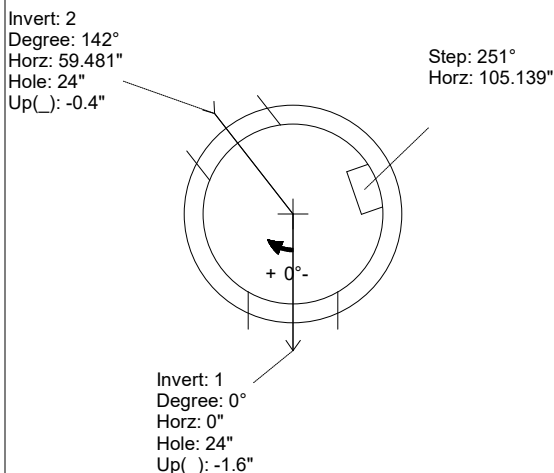
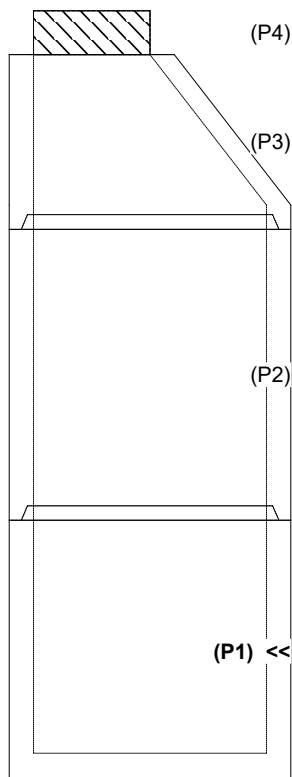
Structure Total: 11780 lb

Rim: 518' Rim to Invert: 12.94' Slack: 2.28" Sump: 0" Step Position: 251°

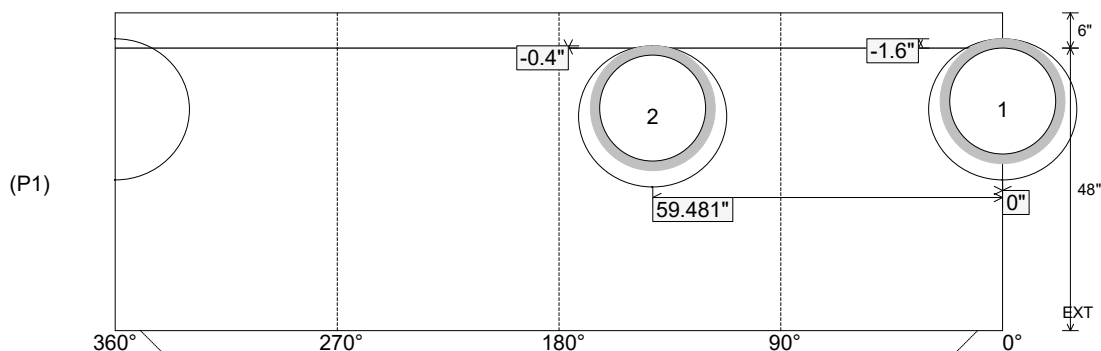
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	505.06'	0°	0"	18" HDPE	21.2"	Hole 24	24"	25.133"	-1.6"	0"
Invert 2	505.16'	142°	71.873"	18" HDPE	21.2"	Hole 24	24"	25.133"	-0.4"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Tongue
 Seam Dn: n/a

Wall Thickness: 5"
 Floor Height: 6"

Height (Int): 48"
 Height (Ext): 54"

Weight (Net): 4289 lb
 Volume (Net): 1.1cu.yd