

Job Name: 25-4547 - WWTP Improvements & Hydraulic Expansion
Job Location: Shepherdsville, KY
Contractor: Pace Contracting, LLC

Plant: 100

6/4/2026 3:35:11 PM

Tech: Jared - F

PC: J Jarvis



Structure ID: PROCESS RETURN P.S.

P1 MH084BAEVF

MH BASE w/FLANGE (12F/07EF) T/n

P5) 48" x 60" - HATCH (CAST FLUSH) - 3"
P4) 84" - MH FLAT TOP w/48"x60" Hatch F/G - 17"
P3) 84" - MH RISER Custom Ht T/G - 44"
P2) 84" - MH RISER T/G - 96"
P1) 84" - MH BASE w/FLANGE (12F/07EF) T/n - 77"
1) JOINT WRAP - 12" WD x 084" MH MAC WRAP
1) HATCH (Alum.) - HALLIDAY W2S 48"x60"
3) 84" - Conseal CS-231 1.00" (Double)
1) 48" x 60" - Conseal CS-231 1.00" (Double)
1) PSX - 16Y NYLO
2) PSX - 12-06 NYLO
1) Kor-N-Seal2 - S206-18L

100 lb
5512 lb
8537 lb
18626 lb
24758 lb
0 lb
126 lb
0 lb
0 lb
8 lb
16 lb
6 lb

Structure Total:

57689 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. HATCH SUPPLIED BY I-CAST (HALLIDAY W2S 48"x60").

REINFORCING PER ASTM A615 (GRADE 60).

- TOP SLAB (As .31) #5 BARS AT 6" C.C.E.W (DOUBLE MAT).
- RISER/WALLS (As .36)
- FLOOR (As .37) #5 BARS AT 10" C.C.E.W (DOUBLE MAT).

Rim: 448.25' Rim to Invert: 15.85' Slack: 0" Sump: 43.8" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	432.4'	90°	78.5"	10" DI	11.1"	PSX 16Y NYLO	16"	16.098"	40.75"	0"
Invert 2	433'	140°	122.125"	6" DI	6.875"	PSX 12-06 NYLO	12"	12.041"	48"	0"
Invert 3	432.4'	227°	198.125"	14" DI	15.3"	Kor-N-Seal2 S206-18L	18"	18.141"	41.75"	0"
Invert 4	433'	270°	235.625"	6" DI	6.875"	PSX 12-06 NYLO	12"	12.041"	48"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

Invert: 2
Degree: 140°
Horz: 102.625"
Hole: 12"
Up() : 48"

Invert: 3
Degree: 227°
Horz: 166.375"
Hole: 18"
Up() : 41.75"

Invert: 1
Degree: 90°
Horz: 66"
Hole: 16"
Up() : 40.75"

Invert: 4
Degree: 270°
Horz: 197.875"
Hole: 12"
Up() : 48"

Invert: 3
Degree: 227°
Horz: 166.375"
Hole: 18"
Up() : 41.75"

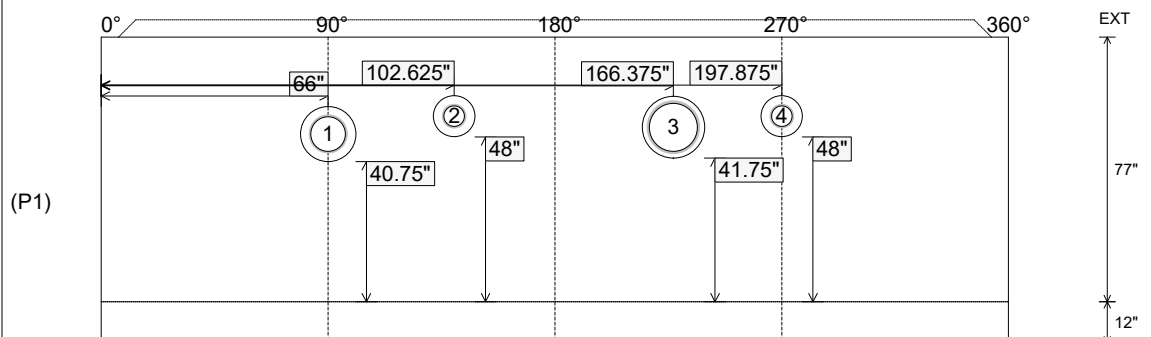
Invert: 2
Degree: 150°
Horz: 110"
Hole: 12"
Up() : 48"

Invert: 4
Degree: 270°
Horz: 197.875"
Hole: 12"
Up() : 48"

Invert: 1
Degree: 90°
Horz: 66"
Hole: 16"
Up() : 40.75"

1ST POUR (BASE) = 21,418 LBS
2ND POUR (EXTENDED FLANGE) = 2,370 LBS

INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 12"

Height (Int): 77"
Height (Ext): 89"

Weight (Net): 24758 lb
Volume (Net): 6.32cu.yd

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Invert: 4
Degree: 270°
Horz: 197.875"
Hole: 12"
Up(): 48"

UPSIDE-DOWN VIEW (int. dimensions)

#5 Bar dowels @ 18" O.C to be drilled in base slab for flange attachment

1ST POUR (BASE) = 21,418 LBS
2ND POUR (EXTENDED FLANGE) = 2,370 LBS

INSIDE WALL DIMENSIONS

#5 BAR DOWELS @ 18" O.C TO BE DRILLED IN BASE SLAB FOR FLANGE ATTACHMENT

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 12"

Height (Int): 77"

Height (Ext): 89"

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