

Job Name: 26-1466 - Lower Mill Creek HWDW Protection Job Location: Cincinnati, OH Contractor: Sunesis Construction					Plant: 100		Tech: Jared - F			
					7/23/2026 10:26:03 AM		PC: E. Bradley			
Structure ID: 210-16 ST-MH										
P1 MH084BAVF			MH BASE Custom Ht T/n							
P6) 24" - CASTING HEIGHT - 7.25" P5) 48" - CON CONE w/24" HOLE F/G - 36" P4) 48" - MH RISER T/G - 72" P3) 48" - MH RISER T/G - 72" P2) 84" - MH Trans. Slab - 48" Hole ECC T/G - 17" P1) 84" - MH BASE Custom Ht T/n - 82" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1) 84" - Hamilton Kent MH Gasket 3) 48" - Hamilton Kent MH Gasket 2) Hole - 62 18) MH Step ML-10-TDS-NCR - 10"					0 lb 2252 lb 5030 lb 5030 lb 5869 lb 16716 lb 0 lb 0 lb 0 lb 1440 lb 0 lb 0 lb 0 lb 0 lb 0 lb ----- Structure Total: 36337 lb		Structure Notes: 1. PER CINCINNATI MSD / ASTM C478 SPECIFICATIONS. 2. CONCRETE = 4,000 PSI AT 28 DAYS. 3. CASTING SUPPLIED BY OTHERS. REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB = H20 LOADING - RISER/WALLS (As .18) - TRANS SLAB #5 BARS AT 6" C.C.E.W. (DBL MAT) - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.			
Rim: 496' Rim to Invert: 23.47' Slack: 0.394" Sump: 5.004" Step Position: 90°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	472.53'	0°	0"	48" RCP B WALL	58"	Hole 62	62"	69.74"	0"	0"
Invert 2	472.53'	180°	157.125"	48" RCP B WALL	58"	Hole 62	62"	69.74"	0"	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: 8" Floor Height: 8"	Height (Int): 82" Height (Ext): 90"	Weight (Net): 16716 lb Volume (Net): 4.27cu.yd
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Job Location: Cincinnati, OH

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P1 MH084BAVF

MH BASE Custom Ht T/n

P6) 24" - CASTING HEIGHT - 7.25"

P5) 48" - CON CONE w/24" HOLE F/G - 36"

P4) 48" - MH RISER T/G - 72"

P3) 48" - MH RISER T/G - 72"

P2) 84" - MH Trans. Slab - 48" Hole ECC T/G - 17"

P1) 84" - MH BASE Custom Ht T/n - 82"

1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212

1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)

1) 48" - MH INVERT CHANNEL - FULL HEIGHT

1) 84" - Hamilton Kent MH Gasket

3) 48" - Hamilton Kent MH Gasket

2) Hole - 62

18) MH Step ML-10-TDS-NCR - 10"

0 lb

2252 lb

5030 lb

5030 lb

5869 lb

16716 lb

0 lb

0 lb

1440 lb

0 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 36337 lb

Structure Notes:

1. PER CINCINNATI MSD / ASTM C478 SPECIFICATIONS.

2. CONCRETE = 4,000 PSI AT 28 DAYS.

3. CASTING SUPPLIED BY OTHERS.

REINFORCING PER ASTM A615 (GRADE 60).

- TOP SLAB = H20 LOADING

- RISER/WALLS (As .18)

- TRANS SLAB #5 BARS AT 6" C.C.E.W. (DBL MAT)

- FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

Rim: 496'

Rim to Invert: 23.47'

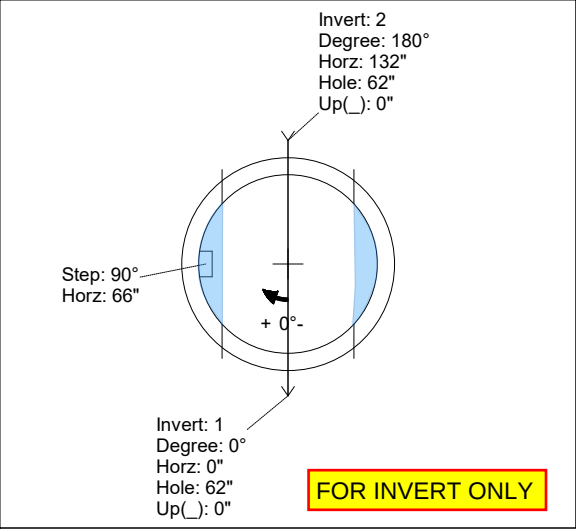
Slack: 0.394"

Sump: 5.004"

Step Position: 90°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	472.53'	0°	0"	48" RCP B WALL	58"	Hole 62	62"	69.74"	0"	0"
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Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



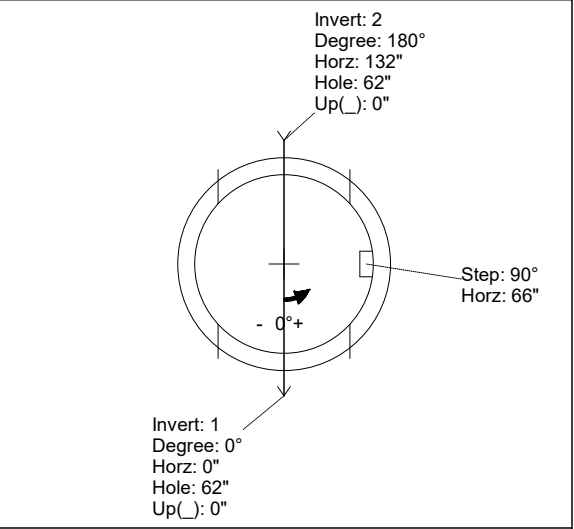
Invert: 2
Degree: 180°
Horz: 132"
Hole: 62"
Up(_): 0"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 62"
Up(_): 0"

Step: 90°
Horz: 66"

FOR INVERT ONLY

UPSIDE-DOWN VIEW (int. dimensions)

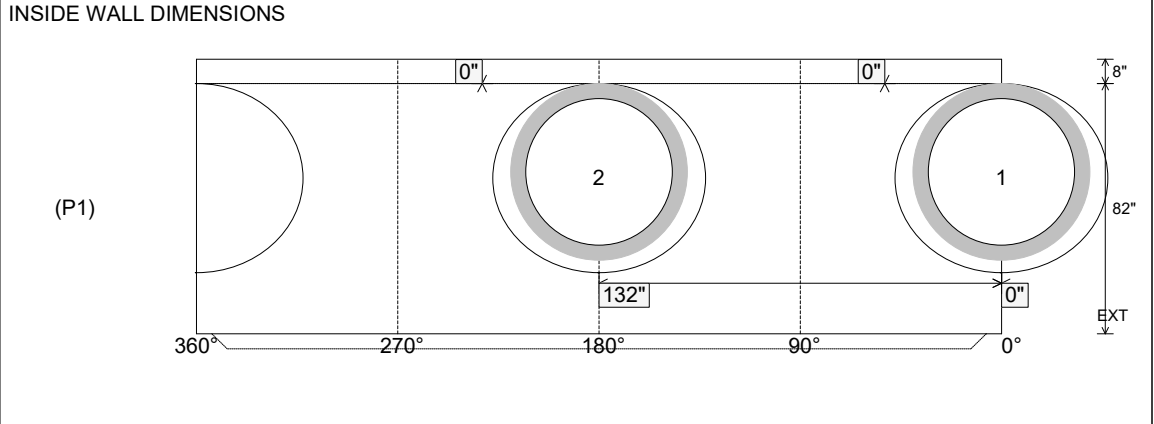


Invert: 2
Degree: 180°
Horz: 132"
Hole: 62"
Up(_): 0"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 62"
Up(_): 0"

Step: 90°
Horz: 66"

INSIDE WALL DIMENSIONS



Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 82"

Height (Ext): 90"

Weight (Net): 16716 lb

Volume (Net): 4.27cu.yd