

Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements Job Location: Fort Mitchell, KY 41017 Contractor: Lykins Contracting					Plant: 100		Tech: J. Horsley - A			
					3/20/2026 1:21:45 PM		PC: Celina Goff			
Structure ID: 2301559										
P1 MH060DPVF			MH BASE (10"F) w/DROP Custom Ht T/n							
P6) 24" - CASTING HEIGHT - 7" P5) 48" - CON CONE w/24" HOLE F/G - 24" P4) 48" - MH RISER T/G - 36" P3) 60" - MH Transition Slab 48" Hole T/G - 15" P2) 60" - MH RISER w/DROP Custom Ht T/G - 52" P1) 60" - MH BASE (10"F) w/DROP Custom Ht T/n - 60" 1) 60" - MH INVERT CHANNEL - FULL HEIGHT 1) SECONDARY POUR - Add Exterior Drop to Base (P1) 1) SECONDARY POUR - Add Exterior Drop to Riser (P2) 2) 60" - Conseal CS-102 1.00" (Double) 2) 48" - Conseal CS-102 1.00" (Double) 2) A-Lok - 1235 1) Drop Tee - 8" PVC 1) Drop Elbow - 8" PVC 14) MH Step ML-10-TDS-NCR - 10"					0 lb 2252 lb 2515 lb 2204 lb 5400 lb 11306 lb 2692 lb 3010 lb 2236 lb 0 lb 0 lb 2 lb 0 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 31617 lb		Structure Notes: 1. PER ASTM C-478 SPECIFICATIONS 2. CONCRETE: 4,000 PSI AT 28 DAYS 3. REINFORCEMENT: - WALLS: PER ASTM A615 - DOUBLE MAT - FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. INVERT CHANNEL REQUIRED 5. STEPS AT 270 DEGREES 6. 7" CASTING SUPPLIED BY OTHERS 7. EXTERIOR DROP AT INVERTS 2 & 4 SUPPLIED BY ICAST			
					FIRST POUR (BASE): 11,306 LBS SECOND POUR (DROP): 3,010 LBS					
Rim: 757.64'		Rim to Invert: 16.08'		Slack: 1.96"		Sump: 3"		Step Position: 270°		
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	741.56'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"
Invert 2										
Invert 3	741.66'	182°	114.375"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	2.25"	0"
Invert 4	743.36'	71°	44.625"	8" PVC SDR35	8.5"	Drop Elbow 8" PVC	8.5"	8.529"	24.375"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

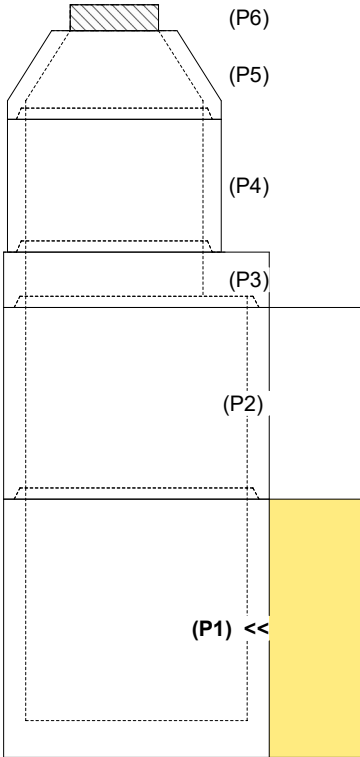
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

INSIDE WALL DIMENSIONS

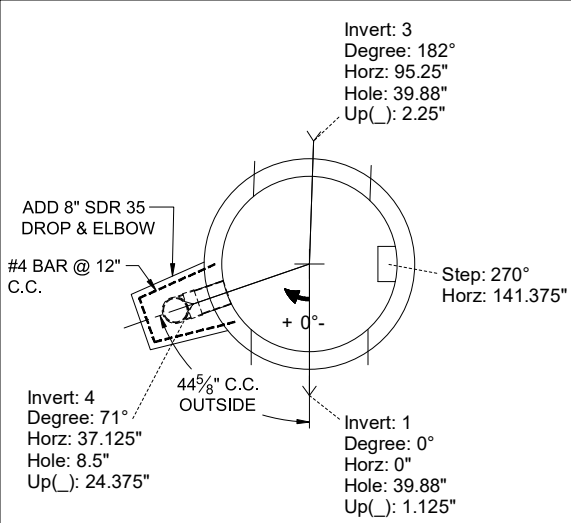
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 10"	Height (Int): 60" Height (Ext): 70"	Weight (Net): 11306 lb Volume (Net): 2.89cu.yd
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Rim: 757.64' Rim to Invert: 16.08' Slack: 1.96" Sump: 3" Step Position: 270°					FIRST POUR (BASE): 11,306 LBS SECOND POUR (DROP): 3,010 LBS						
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (")	Offset	
Invert 1	741.56'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"	
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Invert 6											
Invert 7											
Invert 8											



(P6)
(P5)
(P4)
(P3)
(P2)
(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)



Invert: 3
Degree: 182°
Horz: 95.25"
Hole: 39.88"
Up(_): 2.25"

ADD 8" SDR 35
DROP & ELBOW

#4 BAR @ 12"
C.C.

Step: 270°
Horz: 141.375"

Invert: 4
Degree: 71°
Horz: 37.125"
Hole: 8.5"
Up(_): 24.375"

44 5/8" C.C.
OUTSIDE

Invert: 1
Degree: 0°
Horz: 0"
Hole: 39.88"
Up(_): 1.125"

UPSIDE-DOWN VIEW (int. dimensions)



Invert: 3
Degree: 182°
Horz: 95.25"
Hole: 39.88"
Up(_): 2.25"

ADD 8" SDR 35
DROP & ELBOW

#4 BAR @ 12"
C.C.

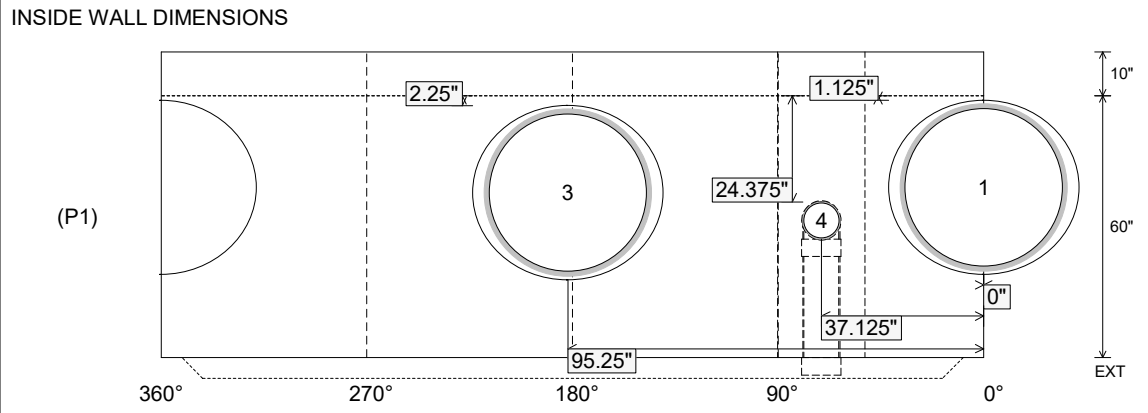
Step: 270°
Horz: 141.375"

Invert: 4
Degree: 71°
Horz: 37.125"
Hole: 8.5"
Up(_): 24.375"

44 5/8" C.C.
OUTSIDE

Invert: 1
Degree: 0°
Horz: 0"
Hole: 39.88"
Up(_): 1.125"

INSIDE WALL DIMENSIONS



(P1)

360° 270° 180° 90° 0°

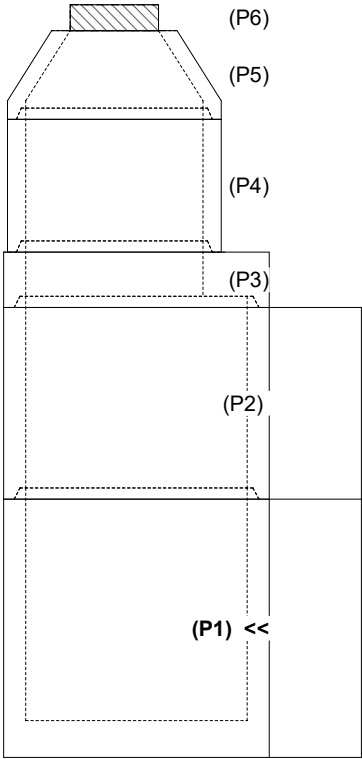
2.25" 1.125" 24.375" 37.125" 95.25"

10" 60" 0"

EXT

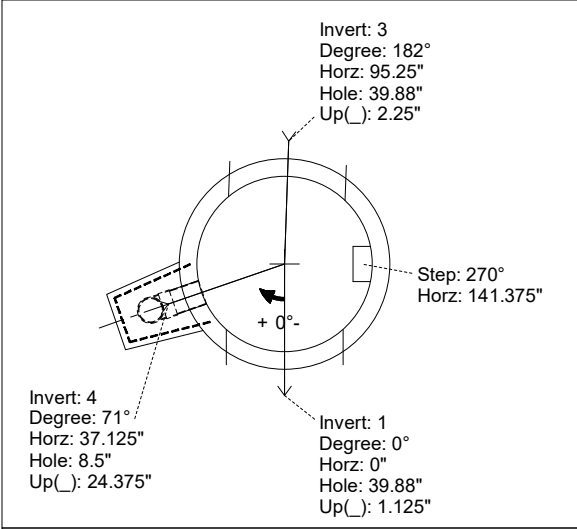
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(P6)
(P5)
(P4)
(P3)
(P2)
(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)



Invert: 3
Degree: 182°
Horz: 95.25"
Hole: 39.88"
Up(): 2.25"

Step: 270°
Horz: 141.375"

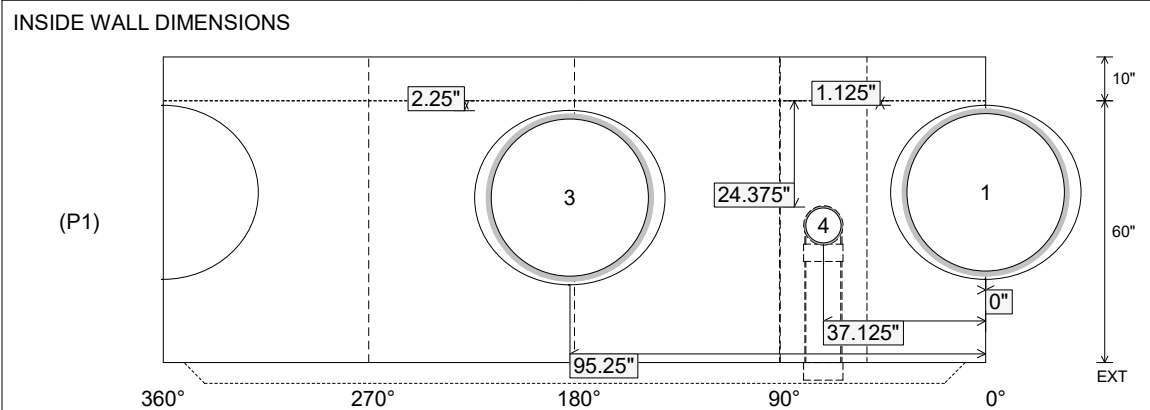
Invert: 4
Degree: 71°
Horz: 37.125"
Hole: 8.5"
Up(): 24.375"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 39.88"
Up(): 1.125"

UPSIDE-DOWN VIEW (int. dimensions)

INVERT CHANNEL DRAWING

INSIDE WALL DIMENSIONS



(P1)

360° 270° 180° 90° 0°

2.25" 1.125" 24.375" 37.125" 95.25" 0"

10" 60" EXT

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 6" Floor Height: 10"	Height (Int): 60" Height (Ext): 70"	Weight (Net): 11306 lb Volume (Net): 2.89cu.yd
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