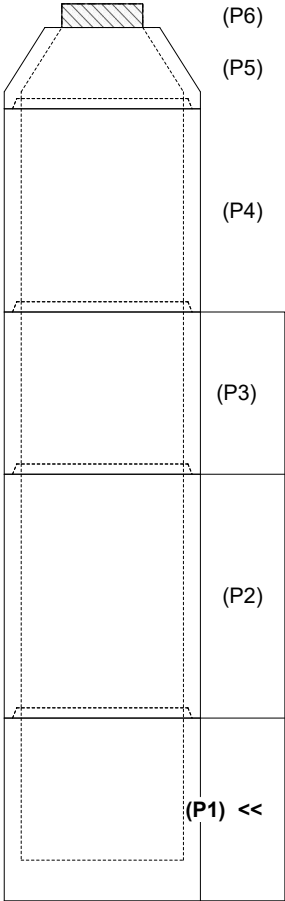
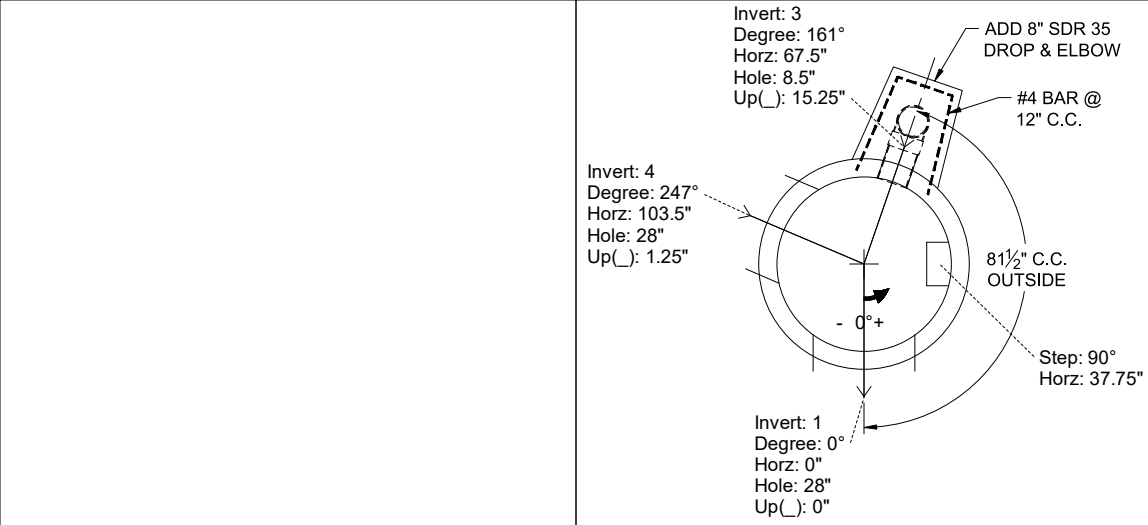
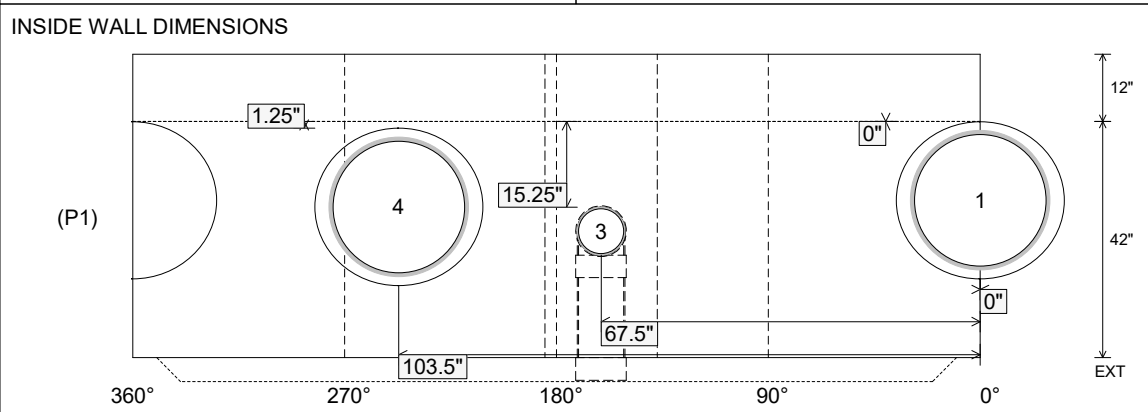


Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements Job Location: Fort Mitchell, KY 41017 Contractor: Lykins Contracting					Plant: 100 6/2/2026 9:23:12 AM		Tech: J. Horsley - A PC: Celina Goff						
Structure ID: 2280813 (Rev)													
P1 MH048BAVF-D		MH BASE (12"F) w/DROP Custom Ht T/n											
P6) 24" - CASTING HEIGHT - 7" P5) 48" - CON CONE w/24" HOLE F/G - 24" P4) 48" - MH RISER T/G - 60" P3) 48" - MH RISER w/DROP T/G - 48" P2) 48" - MH RISER w/DROP Custom Ht T/G - 72" P1) 48" - MH BASE (12"F) w/DROP Custom Ht T/n - 42" 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 4) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) Kor-N-Seal2 - S206-28 1) Drop Tee - 8" PVC 1) Drop Elbow - 8" PVC 20) MH Step ML-10-TDS-NCR - 10"					0 lb 2252 lb 4192 lb 5393 lb 8128 lb 7349 lb 1440 lb 0 lb 0 lb 13 lb 0 lb 0 lb 0 lb ----- 28766 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) - EXTERIOR DROP: #4 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) 4. INVERT CHANNEL REQUIRED 5. STEPS AT 90 DEGREES 6. 7" CASTING SUPPLIED BY OTHERS 7. EXTERIOR DROP AT INVERTS 2 & 3 SUPPLIED BY ICAST 8. ADD 8" SDR 35 DROP & ELBOW AT INVERT 3 (161°)					Structure Total:	
Rim: 772.25' Rim to Invert: 21' Slack: 1.309" Sump: 2.309" Step Position: 90°													
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset			
Invert 1	751.25'	0°	0"	24" PVC SDR35/F679	24.803"	Kor-N-Seal2 S206-28	28"	29.896"	0"	0"			
Invert 2													
Invert 3	752.35'	161°	81.5"	8" PVC SDR35	8.5"	Drop Elbow 8" PVC	8.5"	8.545"	15.25"	0"			
Invert 4	751.35'	247°	125"	24" PVC SDR35/F679	24.803"	Kor-N-Seal2 S206-28	28"	29.896"	1.25"	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: 5" Floor Height: 12"		Height (Int): 42" Height (Ext): 54"		Weight (Net): 7349 lb Volume (Net): 1.88cu.yd			

Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements

Job Location: Fort Mitchell, KY 41017

Contractor: Lykins Contracting

Plant: 100

6/2/2026 9:23:12 AM

Tech: J. Horsley - A

PC: Celina Goff



Structure ID: 2280813 (Rev)

P1 MH048BAVF-D

MH BASE (12"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 - 60"

P3) 48" - MH RISER w/DROP T/G - 48"

P2) 48" - MH RISER w/DROP Custom Ht T/G - 72"

P1) 48" - MH BASE (12"F) w/DROP Custom Ht T/n - 42"

1) 48" - MH INVERT CHANNEL - FULL HEIGHT

4) 48" - Conseal CS-102 1.00" (Double)

1) 24" - Conseal CS-102 1.00" (Double)

2) Kor-N-Seal2 - S206-28

1) Drop Tee - 8" PVC

1) Drop Elbow - 8" PVC

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

0 lb

2252 lb

4192 lb

5393 lb

8128 lb

7349 lb

1440 lb

0 lb

0 lb

13 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 28766 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 90 DEGREES

6. 7" CASTING SUPPLIED BY OTHERS

7. EXTERIOR DROP AT INVERTS 2 & 3 SUPPLIED BY ICAST

Rim: 772.25' Rim to Invert: 21' Slack: 1.309" Sump: 2.309" Step Position: 90°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
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Invert 3	752.35'	161°	81.5"	8" PVC SDR35	8.5"	Drop Elbow 8" PVC	8.5"	8.545"	15.25"	0"
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Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)

INVERT CHANNEL DRAWING

INSIDE WALL DIMENSIONS

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: n/a

Wall Thickness: 5"

Floor Height: 12"

Height (Int): 42"

Height (Ext): 54"

Weight (Net): 7349 lb

Volume (Net): 1.88cu.yd