

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 1:21:23 PM

PC: Celina Goff



**Structure ID: 2301542**

**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 - 48"
- P3) 60" - MH Transition Slab 48" Hole T/G - 15"
- P2) 60" - MH RISER w/DROP T/G - 60"
- P1) 60" - MH BASE (10" F) w/DROP Custom Ht T/n - 59"
- 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
- 16) MH Step ML-10-TDS-NCR - 10"

- 0 lb
- 2252 lb
- 3353 lb
- 2204 lb
- 6235 lb
- 11159 lb
- 2692 lb
- 2967 lb
- 2580 lb
- 0 lb
- 0 lb
- 2 lb
- 0 lb
- 0 lb
- 0 lb
- 0 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 3 & 4 SUPPLIED BY ICAST

Structure Total: 33444 lb

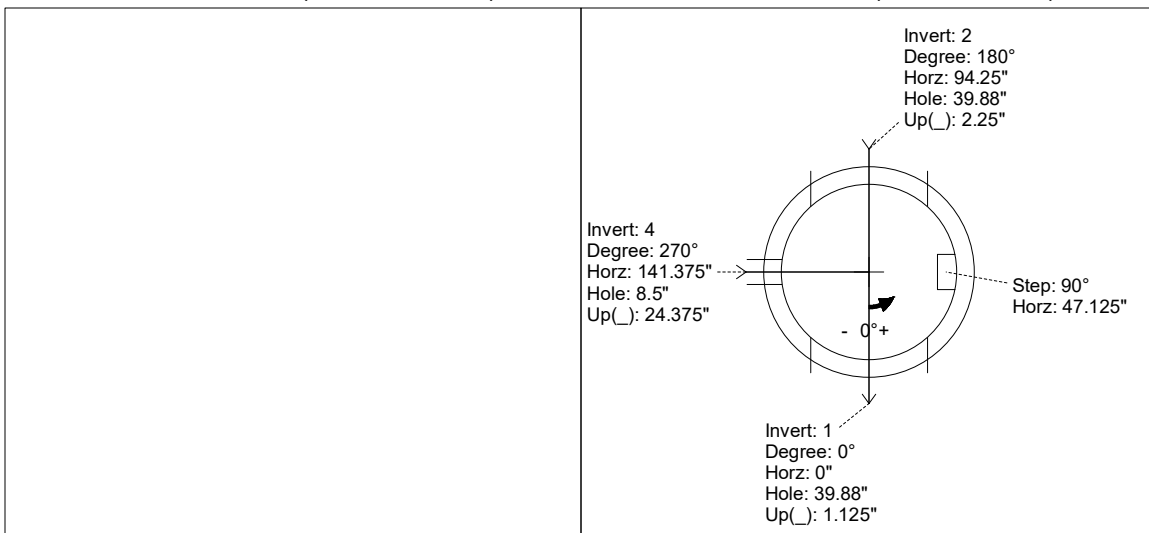
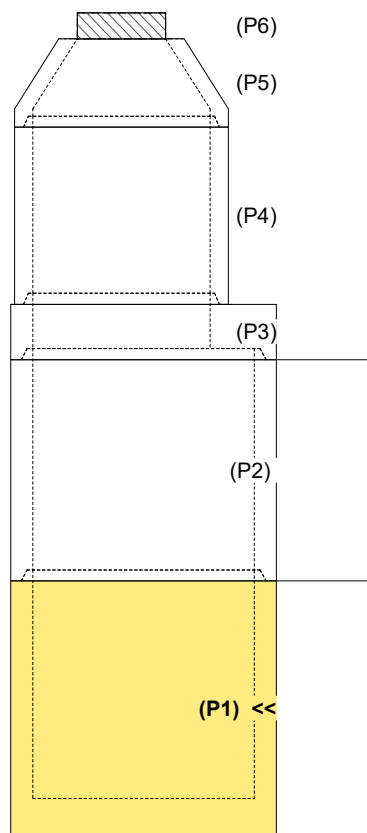
**FIRST POUR (BASE): 11,159 LBS**  
**SECOND POUR (DROP): 2,967 LBS**

Rim: 751.38' Rim to Invert: 17.53' Slack: 0.36" Sump: 3" Step Position: 90°

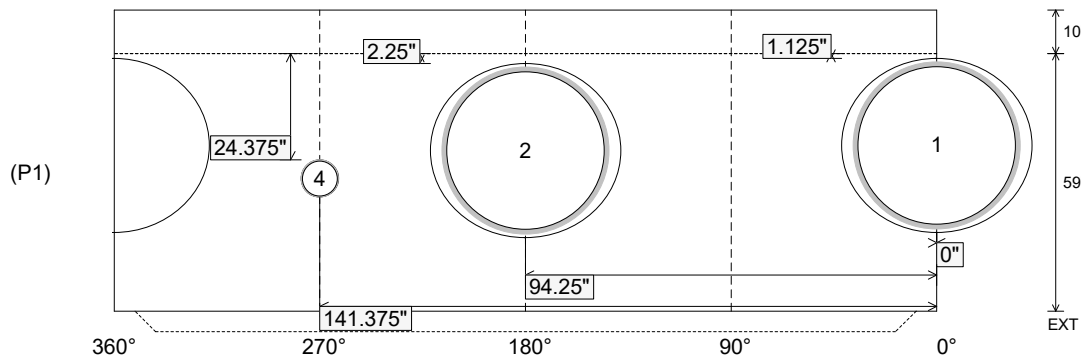
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset
Invert 1	733.85'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"
Invert 2	733.95'	180°	113.125"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	2.25"	0"
Invert 3										
Invert 4	735.65'	270°	169.625"	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): 59"  
 Height (Ext): 69"

Weight (Net): 11159 lb  
 Volume (Net): 2.85cu.yd

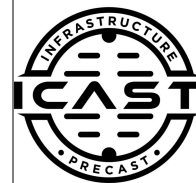
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- P6) 24" - CASTING HEIGHT - 7" 0 lb
- P5) 48" - CON CONE w/24" HOLE F/G - 24" 2252 lb
- P4) 48" - MH RISER T/G - 48" 3353 lb
- P3) 60" - MH Transition Slab 48" Hole T/G - 15" 2204 lb
- P2) 60" - MH RISER w/DROP T/G - 60" 6235 lb
- P1) 60" - MH BASE (10" F) w/DROP Custom Ht T/n - 59" 11159 lb
- 1) 60" - MH INVERT CHANNEL - FULL HEIGHT 2692 lb
- 1) SECONDARY POUR - Add Exterior Drop to Base (P1) 2967 lb
- 1) SECONDARY POUR - Add Exterior Drop to Riser (P2) 2580 lb
- 2) 60" - Conseal CS-102 1.00" (Double) 0 lb
- 2) 48" - Conseal CS-102 1.00" (Double) 0 lb
- 2) A-Lok - 1235 2 lb
- 1) Drop Tee - 8" PVC 0 lb
- 1) Drop Elbow - 8" PVC 0 lb
- 16) MH Step ML-10-TDS-NCR - 10" 0 lb

Structure Total: 33444 lb

**Structure Notes:**

1. PER ASTM C-478 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. EXTERIOR DROP REINFORCEMENT: DRILL & STUB #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 3 & 4 SUPPLIED BY ICAST
8. ADD 8" SDR 35 DROP & ELBOW AT INVERT 4 (270°)

**FIRST POUR (BASE): 11,159 LBS**

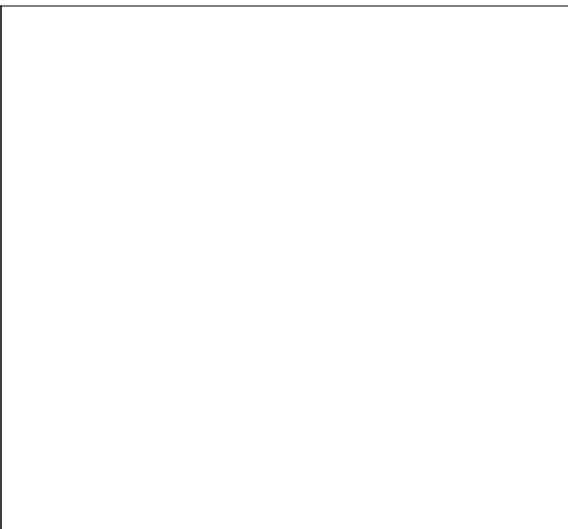
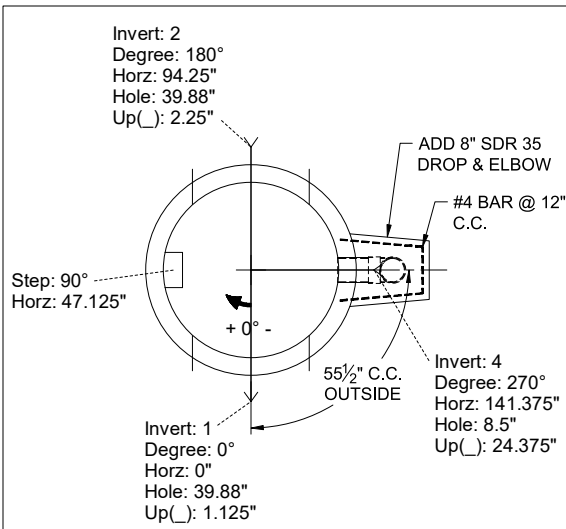
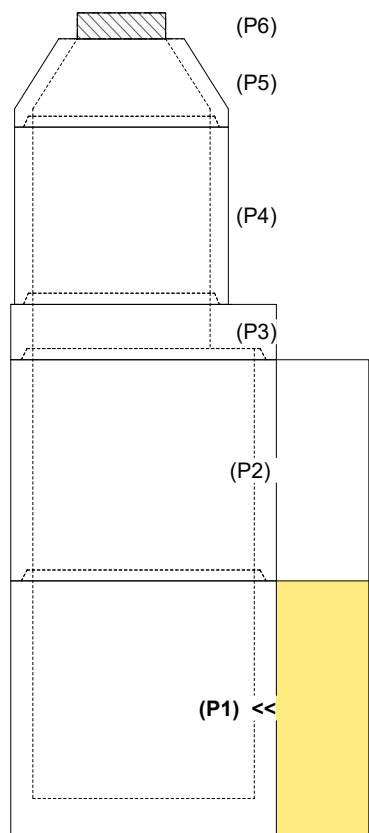
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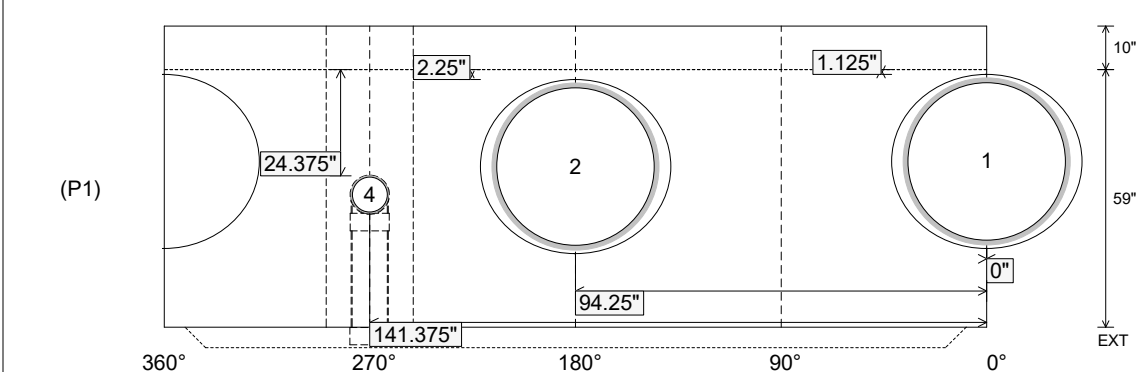
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Invert 1	733.85'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"
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Invert 5										
Invert 6										
Invert 7										
Invert 8										

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): 59" Height (Ext): 69"	Weight (Net): 11159 lb Volume (Net): 2.85cu.yd
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16) MH Step ML-10-TDS-NCR - 10"	0 lb
<b>Structure Total:</b>	<b>33444 lb</b>

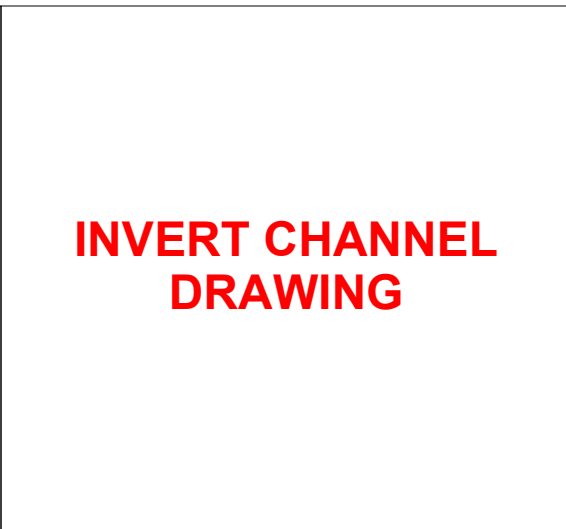
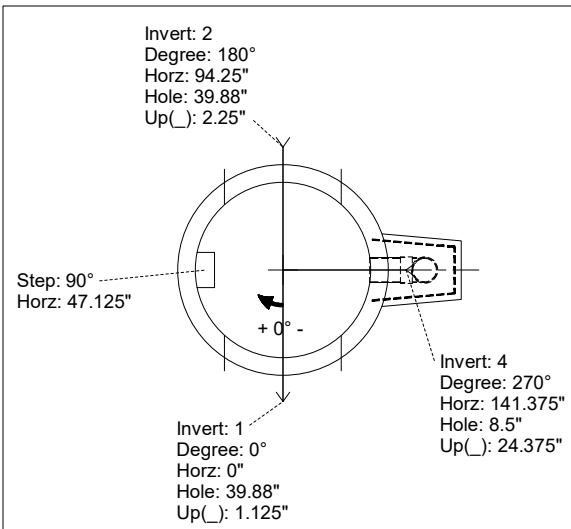
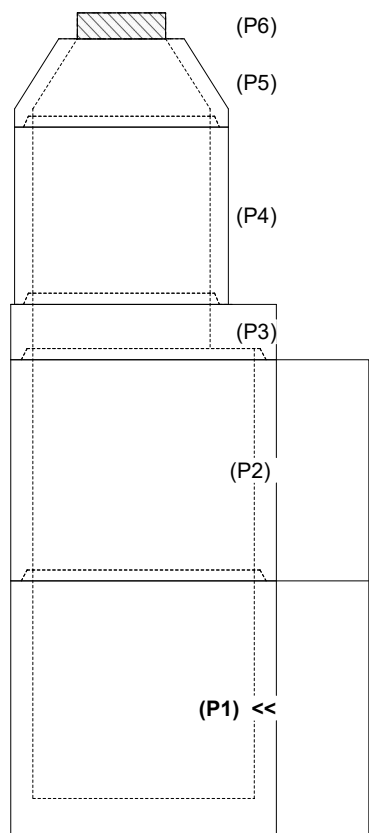
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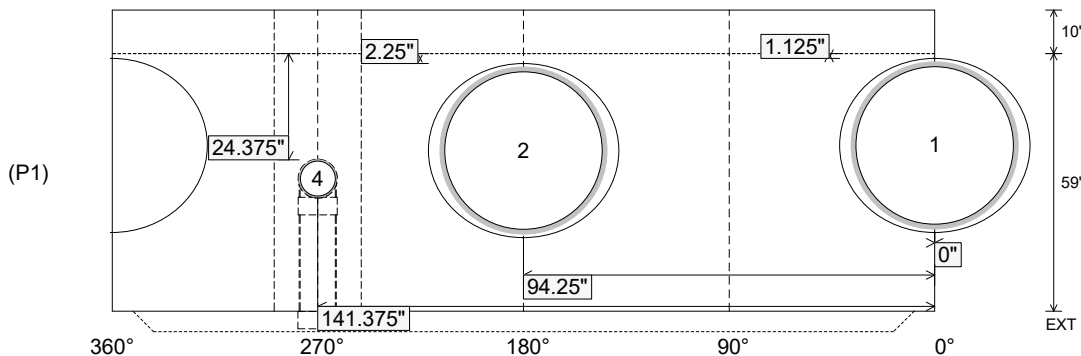
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