

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 1:21:25 PM

PC: Celina Goff



**Structure ID: 2301544**

**P1 MH060DPVF**

**MH BASE (12"F) w/DROP Custom Ht T/n**

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 - 72"	5030 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 (12"F) w/DROP Custom Ht T/n - 72"	13845 lb
1) 60" - MH INVERT CHANNEL - FULL HEIGHT	2692 lb
1) SECONDARY POUR - Add Exterior Drop to Base (P1)	3612 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
19) MH Step ML-10-TDS-NCR - 10"	0 lb
<b>Structure Total:</b>	<b>38452 lb</b>

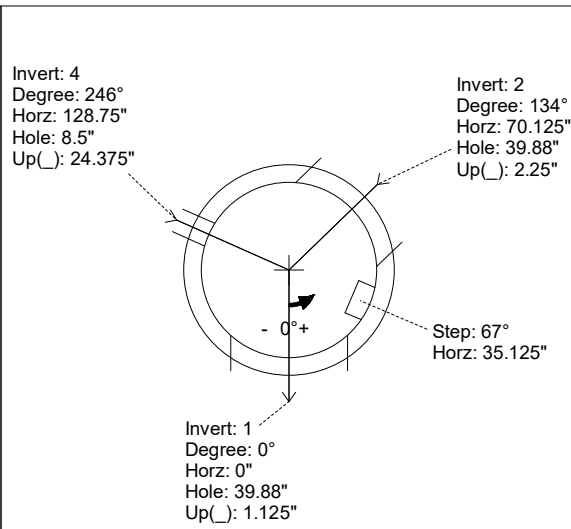
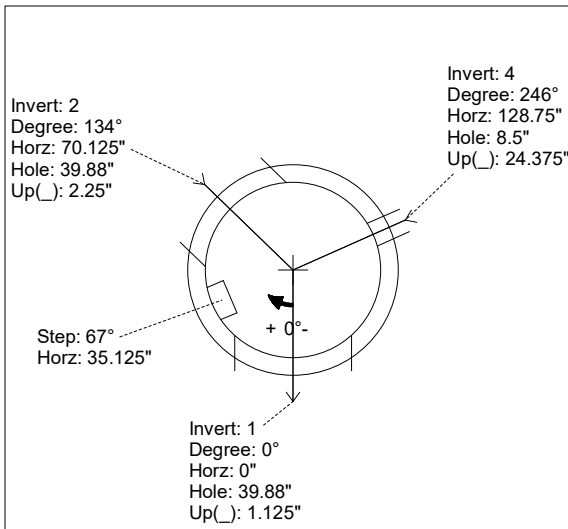
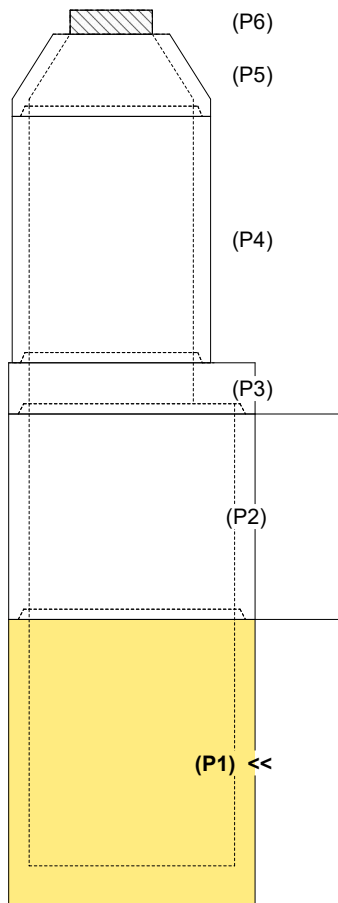
- Structure Notes:**
- PER ASTM C-478 SPECIFICATIONS
  - CONCRETE: 4,000 PSI AT 28 DAYS
  - REINFORCEMENT:
    - WALLS: PER ASTM A615 - DOUBLE MAT
    - FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
  - INVERT CHANNEL REQUIRED
  - STEPS AT 67 DEGREES
  - 7" CASTING SUPPLIED BY OTHERS
  - EXTERIOR DROP AT INVERTS 3 & 4 SUPPLIED BY ICAST

**FIRST POUR (BASE): 13,845 LBS**  
**SECOND POUR (DROP): 3,612 LBS**

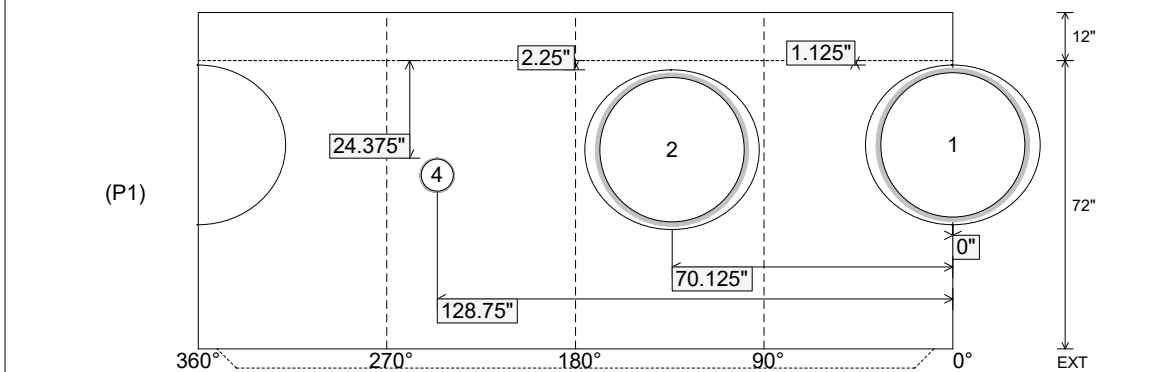
Rim: 755.04'	Rim to Invert: 20.75'	Slack: 2"	Sump: 3"	Step Position: 67°						
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ( )	Offset
Invert 1	734.29'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"
Invert 2	734.39'	134°	84.25"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	2.25"	0"
Invert 3										
Invert 4	736.09'	246°	154.625"	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: 12"	Height (Int): 72" Height (Ext): 84"	Weight (Net): 13845 lb Volume (Net): 3.54cu.yd
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- P3) 60" - MH Transition Slab 48" Hole T/G - 15"
- P2) 60" - MH RISER w/DROP T/G - 60"
- P1) 60" - MH BASE (12"F) w/DROP Custom Ht T/n - 72"
- 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
- 19) MH Step ML-10-TDS-NCR - 10"

0 lb  
 2252 lb  
 5030 lb  
 2204 lb  
 6235 lb  
 13845 lb  
 2692 lb  
 3612 lb  
 2580 lb  
 0 lb  
 0 lb  
 2 lb  
 0 lb  
 0 lb  
 0 lb  
 0 lb  
 -----  
 38452 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 67 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 (246°)

Structure Total:

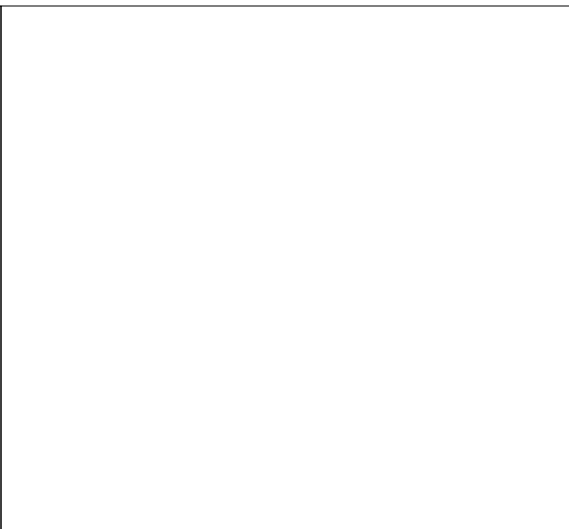
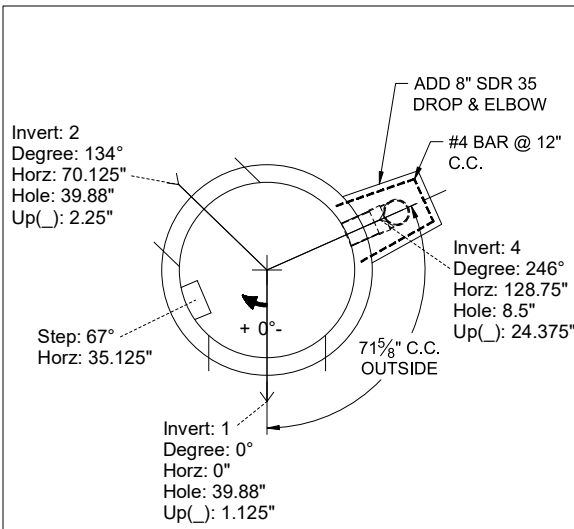
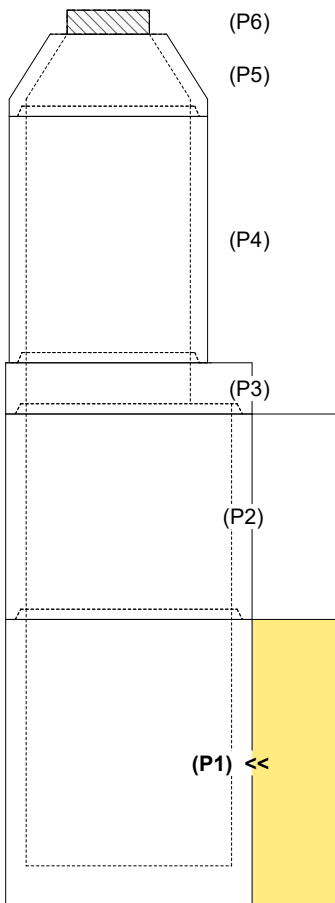
**FIRST POUR (BASE): 13,845 LBS**  
**SECOND POUR (DROP): 3,612 LBS**

Rim: 755.04' Rim to Invert: 20.75' Slack: 2" Sump: 3" Step Position: 67°

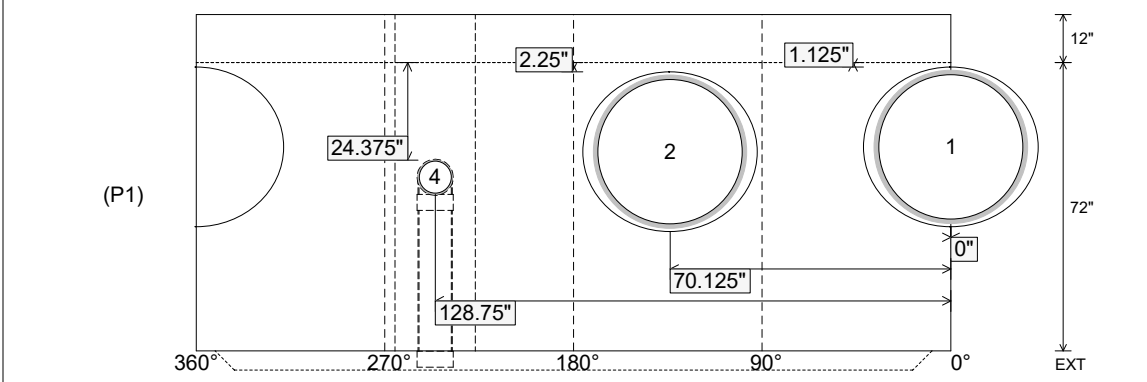
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Invert 1	734.29'	0°	0"	36" PVC SDR35/F679	38.3"	A-Lok 1235	39.88"	43.623"	1.125"	0"
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Invert 3										
Invert 4	736.09'	246°	154.625"	8" PVC SDR35	8.5"	Drop Elbow 8" PVC	8.5"	8.529"	24.375"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



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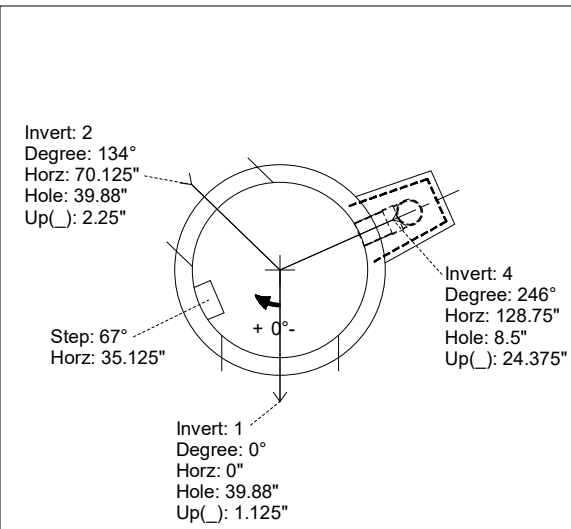
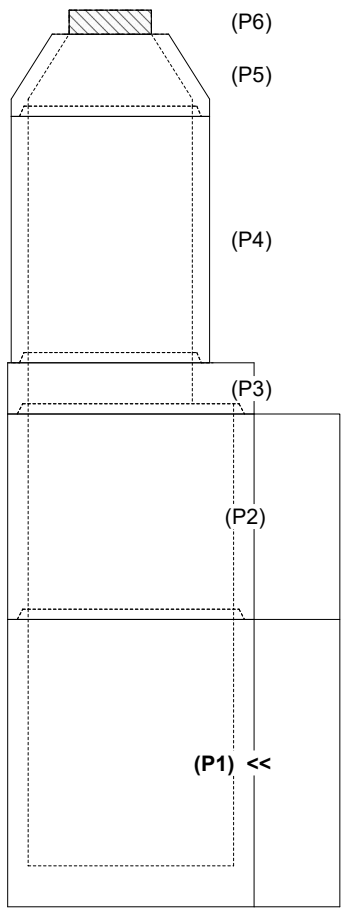
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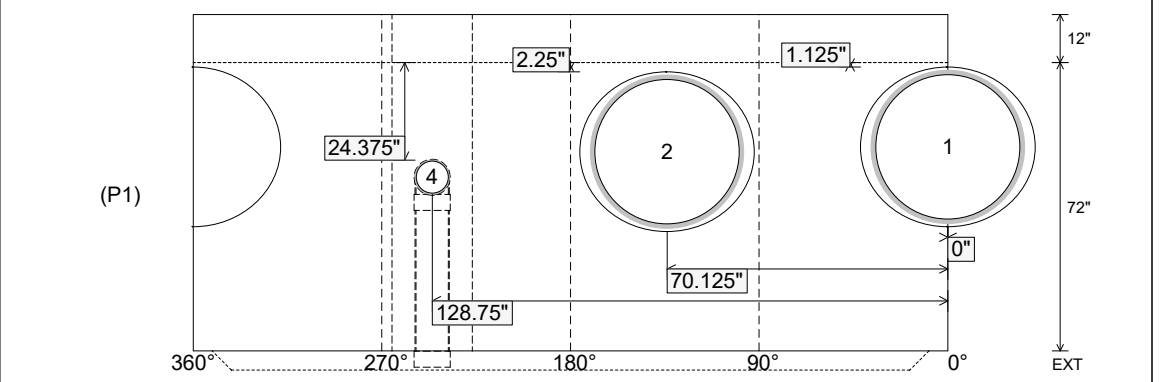
RIGHT-SIDE UP VIEW (int. dimensions)

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INVERT CHANNEL DRAWING

INSIDE WALL DIMENSIONS



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