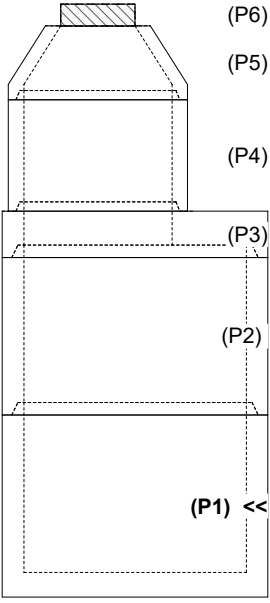
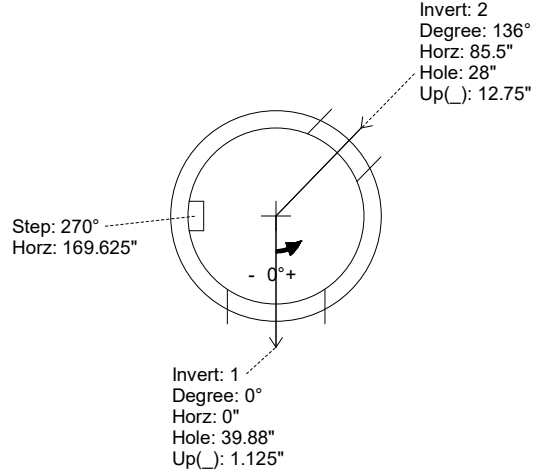


|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |                       |           |                    |                                                                                                                                 |                     |                                                                                                                                                                                                                                                                                                                                         |                     |                                                                                    |        |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------------|-----------|--------------------|---------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------|--------|--|
| Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements<br>Job Location: Fort Mitchell, KY 41017<br>Contractor: Lykins Contracting                                                                                                                                                                                                                                                                                                                                                                                                       |         |                       |           |                    | Plant: 100<br>6/30/2026 8:10:56 AM                                                                                              |                     | Tech: J. Horsley - A<br>PC: Celina Goff                                                                                                                                                                                                                                                                                                 |                     |  |        |  |
| Structure ID: 2301569                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |                       |           |                    |                                                                                                                                 |                     |                                                                                                                                                                                                                                                                                                                                         |                     |                                                                                    |        |  |
| P1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         | MH072BAVF             |           |                    |                                                                                                                                 |                     |                                                                                                                                                                                                                                                                                                                                         |                     |                                                                                    |        |  |
| MH BASE Custom Ht T/n                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |                       |           |                    |                                                                                                                                 |                     |                                                                                                                                                                                                                                                                                                                                         |                     |                                                                                    |        |  |
| P6) 24" - CASTING HEIGHT - 7"<br>P5) 48" - CON CONE w/24" HOLE F/G - 24"<br>P4) 48" - MH RISER T/G - 36"<br>P3) 72" - MH Transition Slab 48" Hole T/G - 15"<br>P2) 72" - MH RISER Custom Ht T/G - 51"<br>P1) 72" - MH BASE Custom Ht T/n - 51"<br>1) 72" - MH INVERT CHANNEL - FULL HEIGHT<br>2) 72" - Conseal CS-102 1.00" (Double)<br>2) 48" - Conseal CS-102 1.00" (Double)<br>1) 24" - Conseal CS-102 1.00" (Double)<br>1) A-Lok - 1235<br>1) Kor-N-Seal2 - S206-28<br>1) Kor-N-Seal2 - S206-22<br>10) MH Step ML-10-TDS-NCR - 10" |         |                       |           |                    | 0 lb<br>2252 lb<br>2515 lb<br>3864 lb<br>7208 lb<br>10194 lb<br>5422 lb<br>0 lb<br>0 lb<br>0 lb<br>1 lb<br>6 lb<br>6 lb<br>0 lb |                     | <u>Structure Notes:</u><br>1. PER ASTM C-478 SPECIFICATIONS<br>2. CONCRETE: 4,000 PSI AT 28 DAYS<br>3. REINFORCEMENT:<br>- WALLS: PER ASTM A615 - DOUBLE MAT<br>- FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)<br>4. INVERT CHANNEL REQUIRED<br>5. STEPS AT 270 DEGREES<br>6. 7" CASTING SUPPLIED BY OTHERS |                     |                                                                                    |        |  |
| Structure Total:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |                       |           |                    | 31469 lb                                                                                                                        |                     |                                                                                                                                                                                                                                                                                                                                         |                     |                                                                                    |        |  |
| Rim: 761.81'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         | Rim to Invert: 15.13' |           | Slack: 0.56"       |                                                                                                                                 | Sump: 3"            |                                                                                                                                                                                                                                                                                                                                         | Step Position: 270° |                                                                                    |        |  |
| Position                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Elev    | Angle                 | Ext. (cw) | Pipe               | Pipe OD                                                                                                                         | Connector           | Hole                                                                                                                                                                                                                                                                                                                                    | Horz Size           | Up ( )                                                                             | Offset |  |
| Invert 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 746.68' | 0°                    | 0"        | 36" PVC SDR35/F679 | 38.3"                                                                                                                           | A-Lok 1235          | 39.88"                                                                                                                                                                                                                                                                                                                                  | 42.266"             | 1.125"                                                                             | 0"     |  |
| Invert 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 747.68' | 136°                  | 102.125"  | 24" PVC SDR35/F679 | 24.803"                                                                                                                         | Kor-N-Seal2 S206-28 | 28"                                                                                                                                                                                                                                                                                                                                     | 28.759"             | 12.75"                                                                             | 0"     |  |
| Invert 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         |                       |           |                    |                                                                                                                                 |                     |                                                                                                                                                                                                                                                                                                                                         |                     |                                                                                    |        |  |
| Invert 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         |                       |           |                    |                                                                                                                                 |                     |                                                                                                                                                                                                                                                                                                                                         |                     |                                                                                    |        |  |
| Invert 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         |                       |           |                    |                                                                                                                                 |                     |                                                                                                                                                                                                                                                                                                                                         |                     |                                                                                    |        |  |
| Invert 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         |                       |           |                    |                                                                                                                                 |                     |                                                                                                                                                                                                                                                                                                                                         |                     |                                                                                    |        |  |
| Invert 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         |                       |           |                    |                                                                                                                                 |                     |                                                                                                                                                                                                                                                                                                                                         |                     |                                                                                    |        |  |
| Invert 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         |                       |           |                    |                                                                                                                                 |                     |                                                                                                                                                                                                                                                                                                                                         |                     |                                                                                    |        |  |



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

RIGHT-SIDE UP VIEW (int. dimensions)

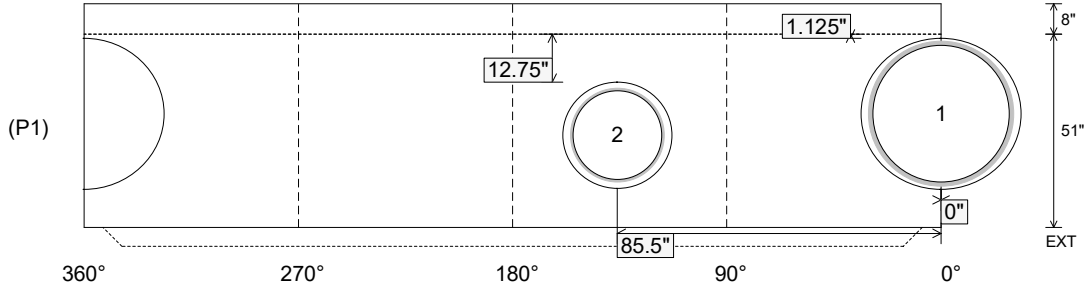


Invert: 2  
Degree: 136°  
Horz: 85.5"  
Hole: 28"  
Up( ): 12.75"

Step: 270°  
Horz: 169.625"

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

INSIDE WALL DIMENSIONS



(P1)

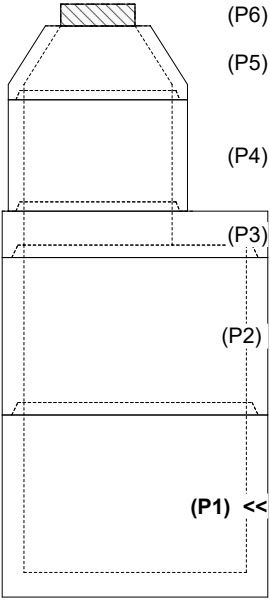
360° 270° 180° 90° 0°

12.75" 1.125" 85.5" 0"

8" 51" EXT

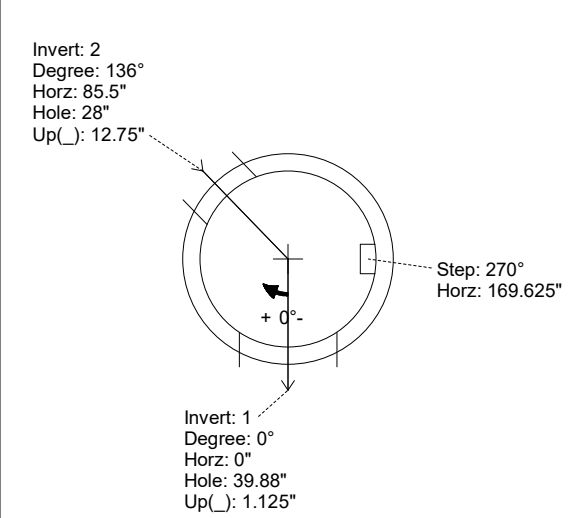
|                                  |                                 |                                        |                                        |                                                  |
|----------------------------------|---------------------------------|----------------------------------------|----------------------------------------|--------------------------------------------------|
| Coating (Int):<br>Coating (Ext): | Seam Up: Tongue<br>Seam Dn: n/a | Wall Thickness: 7"<br>Floor Height: 8" | Height (Int): 51"<br>Height (Ext): 59" | Weight (Net): 10194 lb<br>Volume (Net): 2.6cu.yd |
|----------------------------------|---------------------------------|----------------------------------------|----------------------------------------|--------------------------------------------------|

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         |           |           |                       |                                                                                                                                                     |                     |                                                                                                                                                                                                                                                                                                                                                    |           |                                                                                    |        |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------|-----------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|--------|--|
| Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements<br>Job Location: Fort Mitchell, KY 41017<br>Contractor: Lykins Contracting                                                                                                                                                                                                                                                                                                                                                                                                                              |         |           |           |                       | Plant: 100<br>6/30/2026 8:10:56 AM                                                                                                                  |                     | Tech: J. Horsley - A<br>PC: Celina Goff                                                                                                                                                                                                                                                                                                            |           |  |        |  |
| Structure ID: 2301569                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |         |           |           |                       |                                                                                                                                                     |                     |                                                                                                                                                                                                                                                                                                                                                    |           |                                                                                    |        |  |
| P1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         | MH072BAVF |           | MH BASE Custom Ht T/n |                                                                                                                                                     |                     |                                                                                                                                                                                                                                                                                                                                                    |           |                                                                                    |        |  |
| <p>P6) 24" - CASTING HEIGHT - 7"<br/>P5) 48" - CON CONE w/24" HOLE F/G - 24"<br/>P4) 48" - MH RISER T/G - 36"<br/>P3) 72" - MH Transition Slab 48" Hole T/G - 15"<br/>P2) 72" - MH RISER Custom Ht T/G - 51"<br/>P1) 72" - MH BASE Custom Ht T/n - 51"</p> <p>1) 72" - MH INVERT CHANNEL - FULL HEIGHT<br/>2) 72" - Conseal CS-102 1.00" (Double)<br/>2) 48" - Conseal CS-102 1.00" (Double)<br/>1) 24" - Conseal CS-102 1.00" (Double)<br/>1) A-Lok - 1235<br/>1) Kor-N-Seal2 - S206-28<br/>1) Kor-N-Seal2 - S206-22<br/>10) MH Step ML-10-TDS-NCR - 10"</p> |         |           |           |                       | <p>0 lb<br/>2252 lb<br/>2515 lb<br/>3864 lb<br/>7208 lb<br/>10194 lb<br/>5422 lb<br/>0 lb<br/>0 lb<br/>0 lb<br/>1 lb<br/>6 lb<br/>6 lb<br/>0 lb</p> |                     | <p>Structure Notes:</p> <p>1. PER ASTM C-478 SPECIFICATIONS<br/>2. CONCRETE: 4,000 PSI AT 28 DAYS<br/>3. REINFORCEMENT:<br/>- WALLS: PER ASTM A615 - DOUBLE MAT<br/>- FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)<br/>4. INVERT CHANNEL REQUIRED<br/>5. STEPS AT 270 DEGREES<br/>6. 7" CASTING SUPPLIED BY OTHERS</p> |           |                                                                                    |        |  |
| Rim: 761.81' Rim to Invert: 15.13' Slack: 0.56" Sump: 3" Step Position: 270°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |           |           |                       | Structure Total: 31469 lb                                                                                                                           |                     |                                                                                                                                                                                                                                                                                                                                                    |           |                                                                                    |        |  |
| Position                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Elev    | Angle     | Ext. (cw) | Pipe                  | Pipe OD                                                                                                                                             | Connector           | Hole                                                                                                                                                                                                                                                                                                                                               | Horz Size | Up ( )                                                                             | Offset |  |
| Invert 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 746.68' | 0°        | 0"        | 36" PVC SDR35/F679    | 38.3"                                                                                                                                               | A-Lok 1235          | 39.88"                                                                                                                                                                                                                                                                                                                                             | 42.266"   | 1.125"                                                                             | 0"     |  |
| Invert 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 747.68' | 136°      | 102.125"  | 24" PVC SDR35/F679    | 24.803"                                                                                                                                             | Kor-N-Seal2 S206-28 | 28"                                                                                                                                                                                                                                                                                                                                                | 28.759"   | 12.75"                                                                             | 0"     |  |
| Invert 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |           |           |                       |                                                                                                                                                     |                     |                                                                                                                                                                                                                                                                                                                                                    |           |                                                                                    |        |  |
| Invert 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |           |           |                       |                                                                                                                                                     |                     |                                                                                                                                                                                                                                                                                                                                                    |           |                                                                                    |        |  |
| Invert 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |           |           |                       |                                                                                                                                                     |                     |                                                                                                                                                                                                                                                                                                                                                    |           |                                                                                    |        |  |
| Invert 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |           |           |                       |                                                                                                                                                     |                     |                                                                                                                                                                                                                                                                                                                                                    |           |                                                                                    |        |  |
| Invert 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |           |           |                       |                                                                                                                                                     |                     |                                                                                                                                                                                                                                                                                                                                                    |           |                                                                                    |        |  |
| Invert 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |           |           |                       |                                                                                                                                                     |                     |                                                                                                                                                                                                                                                                                                                                                    |           |                                                                                    |        |  |



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

RIGHT-SIDE UP VIEW (int. dimensions)



Invert: 2  
Degree: 136°  
Horz: 85.5"  
Hole: 28"  
Up( ): 12.75"

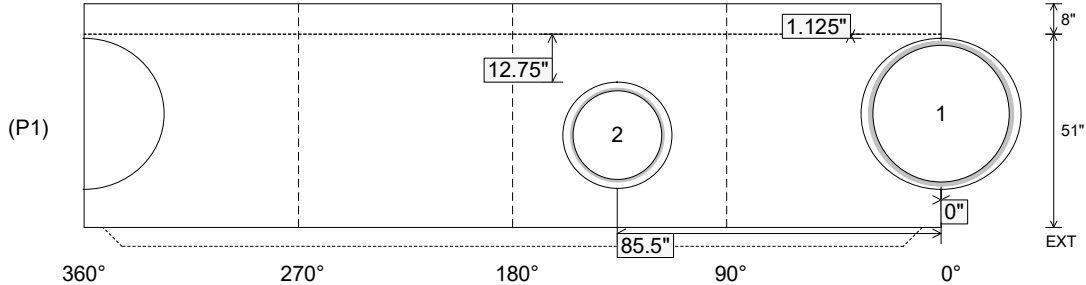
Invert: 1  
Degree: 0°  
Horz: 0"  
Hole: 39.88"  
Up( ): 1.125"

Step: 270°  
Horz: 169.625"

UPSIDE-DOWN VIEW (int. dimenions)

**INVERT CHANNEL DRAWING**

INSIDE WALL DIMENSIONS



(P1)

360° 270° 180° 90° 0°

12.75" 85.5" 1.125" 0"

8" 51" EXT

|                                  |                                 |                                        |                                        |                                                  |
|----------------------------------|---------------------------------|----------------------------------------|----------------------------------------|--------------------------------------------------|
| Coating (Int):<br>Coating (Ext): | Seam Up: Tongue<br>Seam Dn: n/a | Wall Thickness: 7"<br>Floor Height: 8" | Height (Int): 51"<br>Height (Ext): 59" | Weight (Net): 10194 lb<br>Volume (Net): 2.6cu.yd |
|----------------------------------|---------------------------------|----------------------------------------|----------------------------------------|--------------------------------------------------|