

Job Name: 24-3462 Coles Ferry Section 20  
 Job Location: Lebanon, TN  
 Contractor: Covenant Constructors, LLC

Plant: Beaver Dam, KY  
 2/23/2026 3:38:17 PM

Tech: J. Horsley  
 PC: A. Chambers



**Structure ID: SAMH A2**

**P1 MH048BAVFX**

**MH BASE Custom Ht, w/YYPEX T/n**

- P4) 24" - CASTING HEIGHT - 6"
- P3) 48" - CON XYPEX CONE w/24" HOLE F/G - 24"
- P2) 48" - MH RISER w/YYPEX T/G - 36"
- P1) 48" - MH BASE Custom Ht, w/YYPEX T/n - 28"
- 1) 48" - MH INVERT CHANNEL w/YYPEX - FULL HEIGHT
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) ADMIXTURE XYPEX C-1000 RED
- 1) CASTING - JBS 1155 F/C SANITARY
- 2) 48" - DBL 1"x14.5' Butyl (2x)
- 2) Kor-N-Seal1 - S106-12AW
- 7) MH Step ML-10-TDS-NCR - 10"

0 lb  
 2251 lb  
 2515 lb  
 3190 lb  
 1440 lb  
 0 lb  
 0 lb  
 0 lb  
 250 lb  
 0 lb  
 13 lb  
 0 lb  
 -----  
 Structure Total: 9659 lb

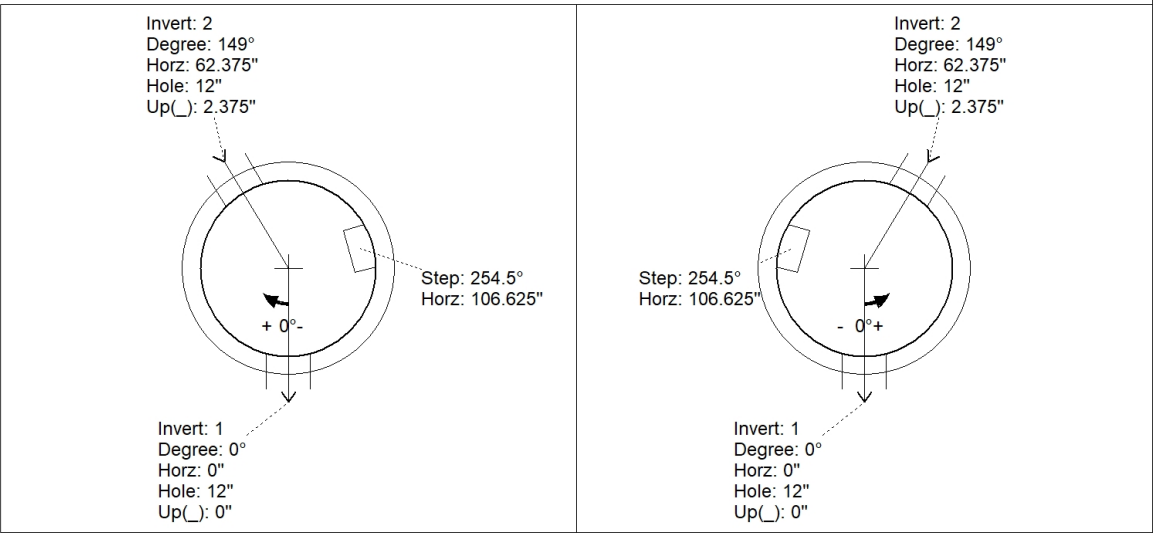
Structure Notes:  
 1. PER ASTM C478 SPECIFICATIONS.  
 2. CONCRETE = 4,000 PSI AT 28 DAYS.  
 3. ADMIXTURE = XYPEX C-1000 RED (AT 3.5% BY WEIGHT OF CONCRETE)  
 4. CASTING BY ICAST (JBS 1155 F/C) SHIPPED LOOSE.  
  
 REINFORCING PER ASTM A615 (GRADE 60).  
 - CONE (As .12)  
 - RISER (As .12)  
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 561.43' Rim to Invert: 7.68' Slack: 0.16" Sump: 2" Step Position: 254.5°

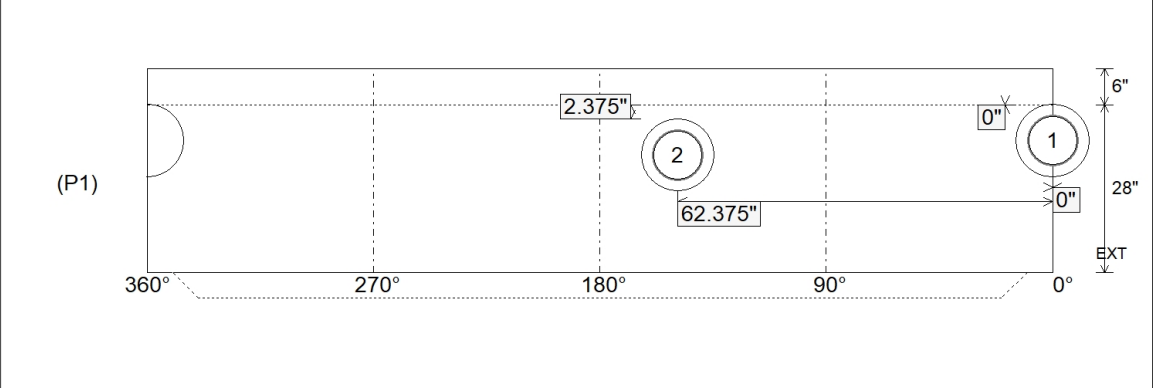
| Position | Elev    | Angle | Ext. (cw) | Pipe         | Pipe OD | Connector             | Hole | Horz Size | Up (↓) | Offset |
|----------|---------|-------|-----------|--------------|---------|-----------------------|------|-----------|--------|--------|
| Invert 1 | 553.75' | 0°    | 0"        | 8" PVC SDR26 | 8.5"    | Kor-N-Seal1 S106-12AW | 12"  | 12.129"   | 0"     | 0"     |
| Invert 2 | 553.95' | 149°  | 75.375"   | 8" PVC SDR26 | 8.5"    | Kor-N-Seal1 S106-12AW | 12"  | 12.129"   | 2.375" | 0"     |
| Invert 3 |         |       |           |              |         |                       |      |           |        |        |
| Invert 4 |         |       |           |              |         |                       |      |           |        |        |
| Invert 5 |         |       |           |              |         |                       |      |           |        |        |
| Invert 6 |         |       |           |              |         |                       |      |           |        |        |
| Invert 7 |         |       |           |              |         |                       |      |           |        |        |
| Invert 8 |         |       |           |              |         |                       |      |           |        |        |

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



|                                  |                                 |  |  |  |
|----------------------------------|---------------------------------|--|--|--|
| Coating (Int):<br>Coating (Ext): | Seam Up: Tongue<br>Seam Dn: n/a | Wall Thickness: 5"<br>Floor Height: 6" | Height (Int): 28"<br>Height (Ext): 34" | Weight (Net): 3190 lb<br>Volume (Net): 0.82cu.yd |
|----------------------------------|---------------------------------|--|--|--|

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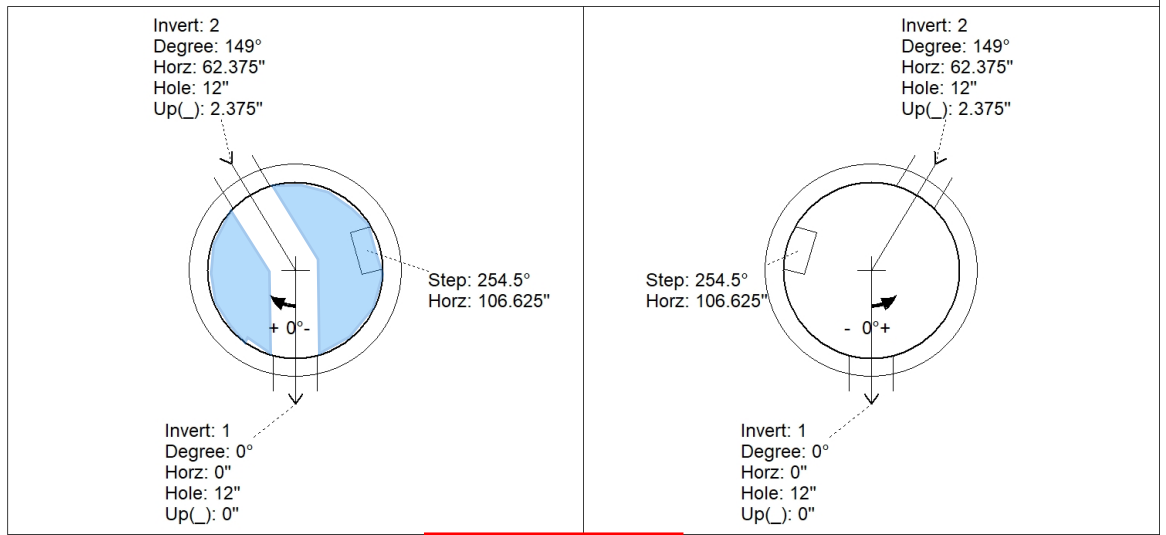
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| Invert 5 |         |       |           |              |         |                       |      |           |        |        |
| Invert 6 |         |       |           |              |         |                       |      |           |        |        |
| Invert 7 |         |       |           |              |         |                       |      |           |        |        |
| Invert 8 |         |       |           |              |         |                       |      |           |        |        |

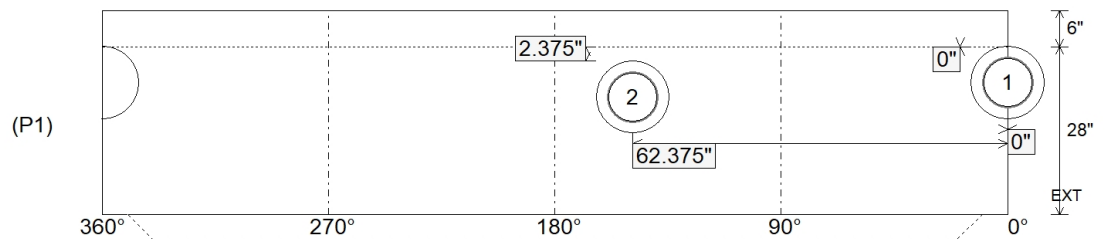
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INSIDE WALL DIMENSIONS

**FOR INVERT ONLY**



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 Coating (Ext):

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