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|---|---|---|---|
| Job Name: 26-1549 Cowan St. Trunk Sewer<br>Job Location: Nashville, TN<br>Contractor: Garney Companies, Inc. | Plant: 100<br>8/24/2026 11:21:34 AM | Tech: Jared - A<br>PC: Jay Ross Jarvis | |

## Structure ID: Sewer Junction Str

**P3 MH144RS96X MH RISER w/XYPEX**

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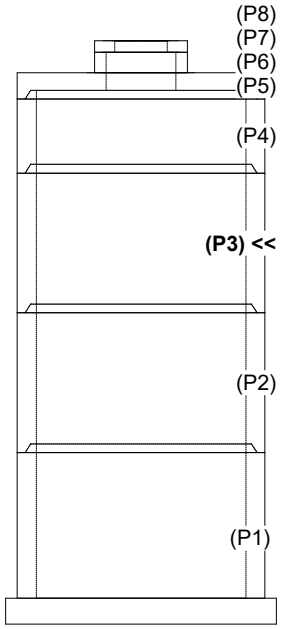
|---|---|
| P8) 36" x 48" - HATCH (CAST FLUSH) - 0" | 100 lb |
| P7) 48" x 48" - CB FLAT TOP 8"W w/36"X48" Hatch w/XYPEX - 8" | 1590 lb |
| P6) 48" x 48" - BOX RISER 8inW, Variable Ht w/XYPEX - 14" | 2105 lb |
| P5) 144" - MH FLAT TOP w/2x 48"x48" Openings w/XYPEX - 18" | 19896 lb |
| P4) 144" - MH RISER Custom Ht, w/XYPEX - 51" | 27440 lb |
| P3) 144" - MH RISER w/XYPEX - 96" | 51652 lb |
| P2) 144" - MH RISER w/XYPEX - 96" | 51652 lb |
| P1) 144" - MH BASE EXT OCTAGON (18"F) Custom Ht, w/XYPEX - 100" | 86788 lb |
| 2) HATCH (Alum.) - HALLIDAY H1W 36"x48" | 470 lb |
| 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 | 0 lb |
| 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) | 0 lb |
| 1) ADMIXTURE XYPEX C-1000 RED | 0 lb |
| 1) SECONDARY POUR - EXT. FLANGE | 0 lb |
| 4) 144" - Conseal CS-102 1.00" (Double) | 0 lb |
| 2) 48" x 48" - Conseal CS-102 1.00" (Double) | 0 lb |
| 1) 36" x 48" - Conseal CS-102 1.00" (Double) | 0 lb |
| 2) Kwik-Lok - 1042 | 2 lb |
| 2) A-Lok - 1040 | 2 lb |
| Structure Total: | 241697 lb |

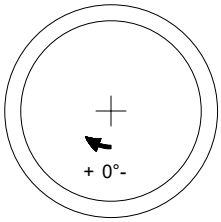
Structure Notes: .
PLAN LABEL: SEWER JUNCTION STRUCTURE
1. 2X HALLIDAY H1W 36"X48" PROVIDED BY ICAST.
2. PER ASTM C478 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. ADMIXTURE = XYPEX C-1000 RED.
5. REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .31) #5 BARS AT 6" C.C.E.W.
- RISER/WALLS (As .36)
- FLOOR (As .37) #5 BARS AT 10" C.C.E.W.
6. ANY REQUIRED INTEROR EPOXY COATING TO BE SUPPLIED & INSTALLED BY OTHERS
7. FUTURE FINAL RIM EL 417.47' TO BE USED FOR DESIGN SOIL LOAD CONDITIONS.
8. **NO STEPS**

Rim to Invert: 31.72' Slack: 0.14" Sump: 2.5" Step Position:

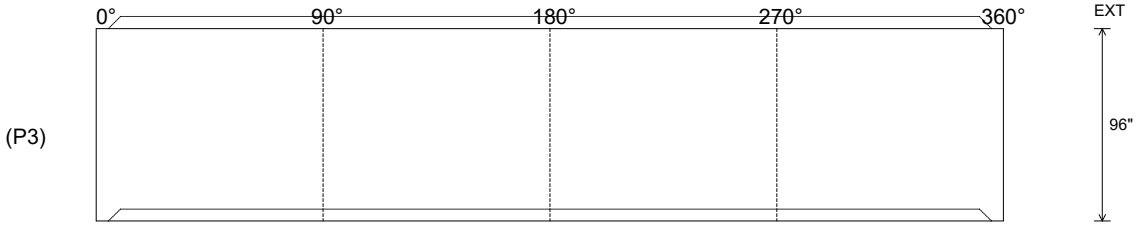
| Position | Elev | Angle | Ext. (cw) | Pipe | Pipe OD | Connector | Hole | Horz Size | Up (_) | Offset |
|---|---|---|---|---|---|---|---|---|---|---|
| Invert 1 | | | | | | | | | | |
| Invert 2 | | | | | | | | | | |
| Invert 3 | | | | | | | | | | |
| Invert 4 | | | | | | | | | | |
| Invert 5 | | | | | | | | | | |
| Invert 6 | | | | | | | | | | |
| Invert 7 | | | | | | | | | | |
| Invert 8 | | | | | | | | | | |

RIGHT-SIDE UP VIEW (int. dimensions)




INSIDE WALL DIMENSIONS

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|---|---|---|---|---|
| Coating (Int):<br>Coating (Ext): | Seam Up: Tongue<br>Seam Dn: Groove | Wall Thickness: 13"<br>Floor Height: 0" | Height (Int): 96"<br>Height (Ext): 96" | Weight (Net): 51652 lb<br>Volume (Net): 13.19cu.yd |