

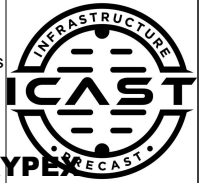
Job Name: 26-1549 Cowan St. Trunk Sewer
Job Location: Nashville, TN
Contractor: Garney Companies, Inc.

Plant: 100

8/24/2026 11:17:48 AM

Tech: Jared - A

PC: Jay Ross Jarvis



Structure ID: Sewer Junction Str

P1 MH144EBVF18-OCT-X

MH BASE EXT OCTAGON (18"F) Custom Ht, w/XYPEX

- P8) 36" x 48" - HATCH (CAST FLUSH) - 0"
P7) 48" x 48" - CB FLAT TOP 8"W w/36"x48" Hatch w/XYPEX - 8"
P6) 48" x 48" - BOX RISER 8inW, Variable Ht w/XYPEX - 14"
P5) 144" - MH FLAT TOP w/2x 48"x48" Openings w/XYPEX - 18"
P4) 144" - MH RISER Custom Ht, w/XYPEX - 51"
P3) 144" - MH RISER w/XYPEX - 96"
P2) 144" - MH RISER w/XYPEX - 96"
P1) 144" - MH BASE EXT OCTAGON (18"F) Custom Ht, w/XYPEX - 100"
2) HATCH (Alum.) - HALLIDAY H1W 36"x48"
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) SECONDARY POUR - EXT. FLANGE
4) 144" - Conseal CS-102 1.00" (Double)
2) 48" x 48" - Conseal CS-102 1.00" (Double)
1) 36" x 48" - Conseal CS-102 1.00" (Double)
2) Riser 144" Rim to Invert: 31.72'
2) A-Lok - 1040

FIRST POUR DRAWING
WEIGHTS:
FIRST POUR: 77,781 LBS
SECOND POUR: 9,007 LBS
TOTAL: 86,788 LBS

100 lb
1590 lb
2105 lb
19896 lb
27440 lb
51652 lb
51652 lb
86788 lb
470 lb
0 lb
0 lb
0 lb
0 lb
0 lb
0 lb
2 lb

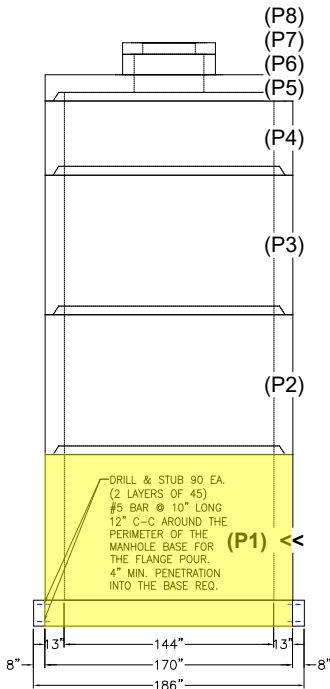
Structure Notes:

- 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 INTERIOR 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**

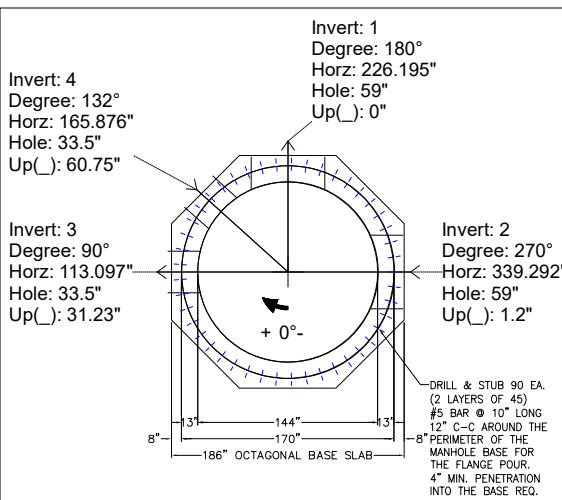
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Structure Total	24100' for	Hole	Horz Size	Up (L)	Offset
Invert 1	383'	180°	267.035"	54" DI	57.5"		A-Lok 1840	59"	60.79"	0"	0"
Invert 2	383.1'	270°	400.553"	54" DI	57.5"		A-Lok 1840	59"	60.79"	1.2"	0"
Invert 3	385.54'	90°	133.518"	30" DI	32"		A-Lok 1040	33.5"	33.81"	31.23"	0"
Invert 4	388'	132°	195.826"	30" DI	32"		A-Lok 1040	33.5"	33.81"	60.75"	0"
Invert 5											
Invert 6											
Invert 7											
Invert 8											

****CAST 8 EA. - 8CA18 A-ANCHORS IN FLOOR FOR HANDLING ****

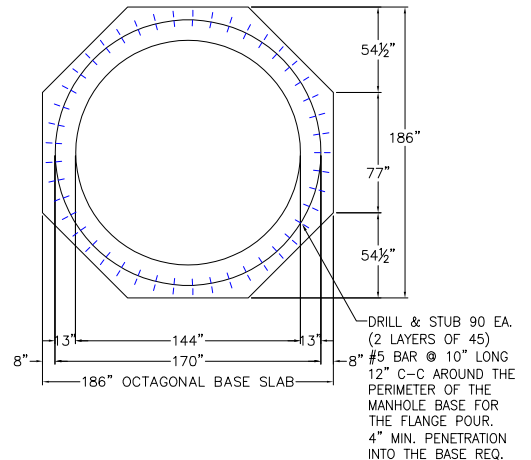
****ADD EXTRA #5 BARS (3) ABOVE INVERT #4****



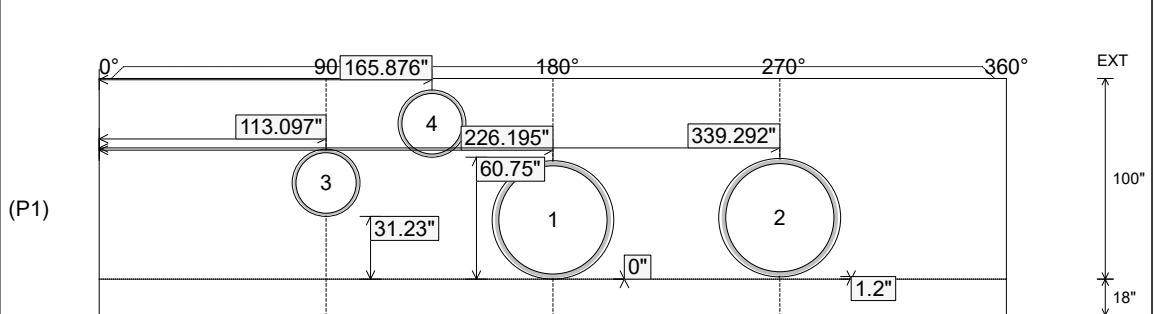
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 13"
Floor Height: 18"

Height (Int): 100"
Height (Ext): 118"

Weight (Net): 86788 lb
Volume (Net): 22.17cu.yd

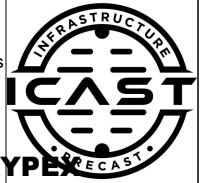
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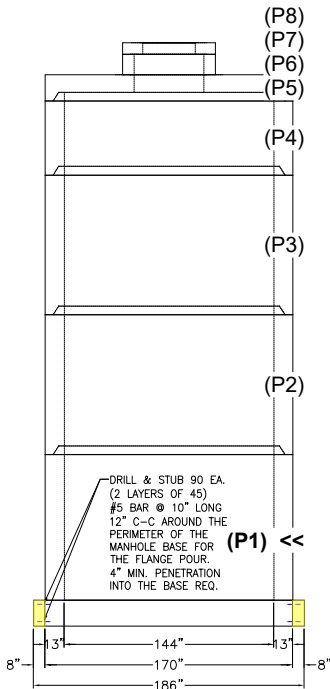
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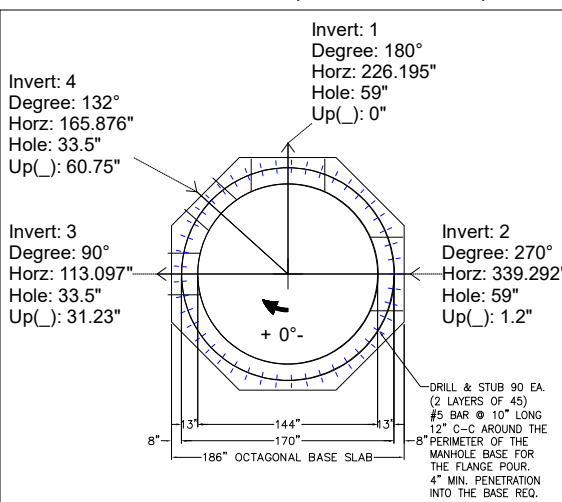
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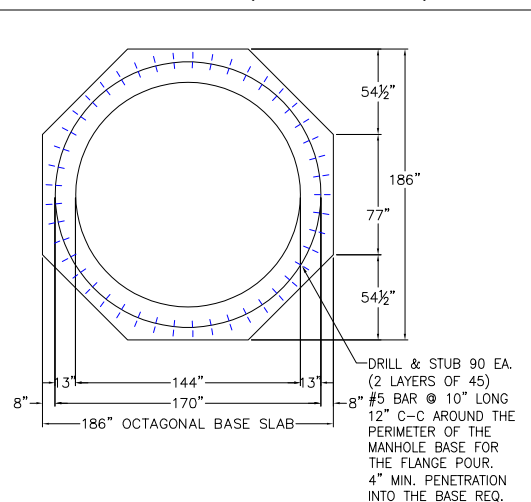
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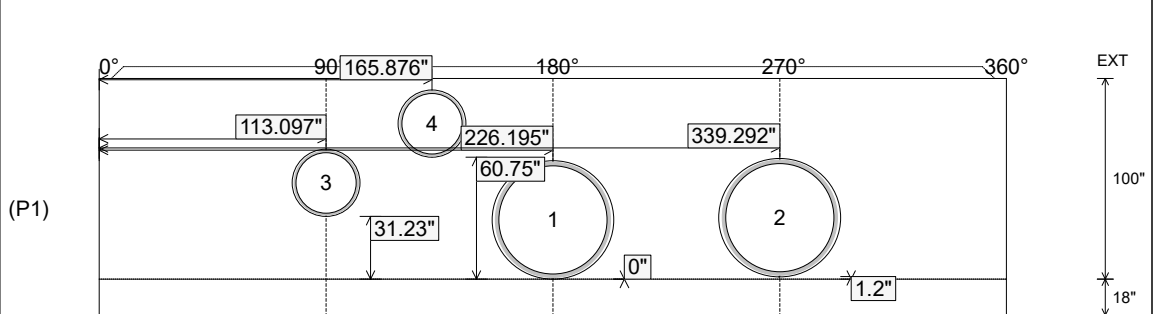
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