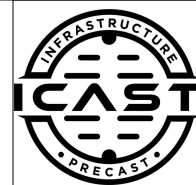


Job Name: 26-3302 Dead End Sewer Manhole
Job Location: Columbia, TN
Contractor: Covenant Constructors, LLC

Plant: Beaver Dam
8/24/2026 2:05:55 PM

Tech: J. Coppage
PC: A. Chambers



Structure ID: SMH-1 SS-MH

P1 MH048BA36X

MH BASE w/XYPEX

P4) 24" - CASTING HEIGHT - 6"
P3) 24" - XYPEX GRADE RING - 6"
P2) 48" - ECC XYPEX CONE w/ 24" HOLE - 42"
P1) 48" - MH BASE w/XYPEX - 36"

- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) JOINT WRAP - 0.065"x12"x50' CONSEAL CS212
- 1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT
- 1) CASTING - JBS 1155 F/C SANITARY
- 1) 48" - Con seal CS-102 1.00" (Double)
- 2) 24" - Con seal CS-102 1.00" (Double)
- 1) PSX - 12-06 NYLO
- 7) MH Step ML-10-TDS-NCR - 10"

Structure Notes: .
1. JBS-1155 PROVIDED BY ICAST.
2. PER ASTM C478 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

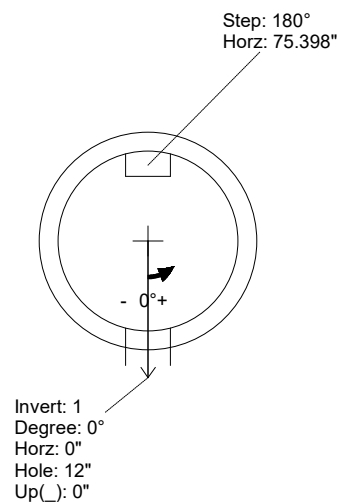
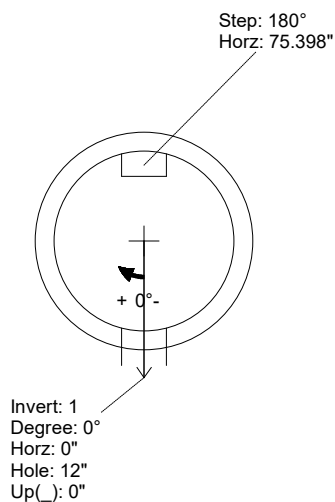
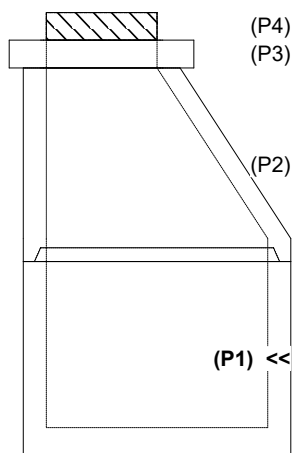
Structure Total: 9016 lb

Rim: 641.1' Rim to Invert: 7.32' Slack: 0.84" Sump: 3" Step Position: 180°

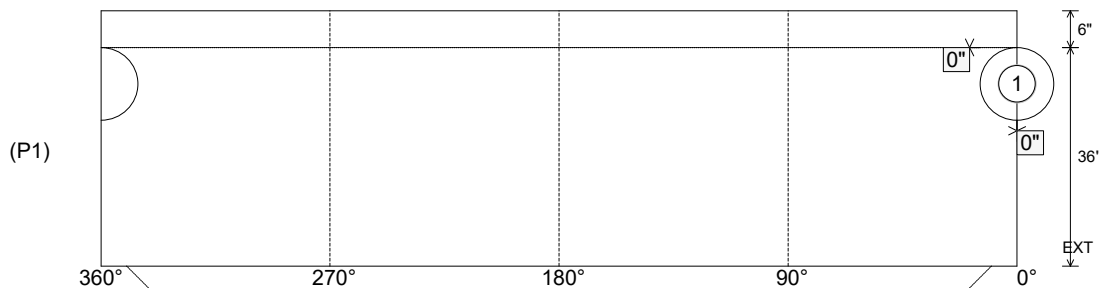
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	633.78'	0°	0"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

Height (Int): 36"
Height (Ext): 42"

Weight (Net): 3797 lb
Volume (Net): 0.97cu.yd

Job Name: 26-3302 Dead End Sewer Manhole
Job Location: Columbia, TN
Contractor: Covenant Constructors, LLC

Plant: Beaver Dam

Tech: J. Coppage

8/24/2026 2:05:55 PM

PC: A. Chambers



Structure ID: SMH-1 SS-MH

P1 MH048BA36X

MH BASE w/XYPEX

- P4) 24" - CASTING HEIGHT - 6"
P3) 24" - XYPEX GRADE RING - 6"
P2) 48" - ECC XYPEX CONE w/ 24" HOLE - 42"
P1) 48" - MH BASE w/XYPEX - 36"
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) JOINT WRAP - 0.065"x12"x50' CONSEAL CS212
1) 48" - MH INVERT CHANNEL w/XYPEX - FULL HEIGHT
1) CASTING - JBS 1155 F/C SANITARY
1) 48" - Con seal CS-102 1.00" (Double)
2) 24" - Con seal CS-102 1.00" (Double)
1) PSX - 12-06 NYLO
7) MH Step ML-10-TDS-NCR - 10"

- Structure Notes: .
1. JBS-1155 PROVIDED BY ICAST.
2. PER ASTM C478 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

0 lb
405 lb
3116 lb
3797 lb
0 lb
0 lb
1440 lb
250 lb
0 lb
0 lb
8 lb
0 lb

Structure Total: 9016 lb

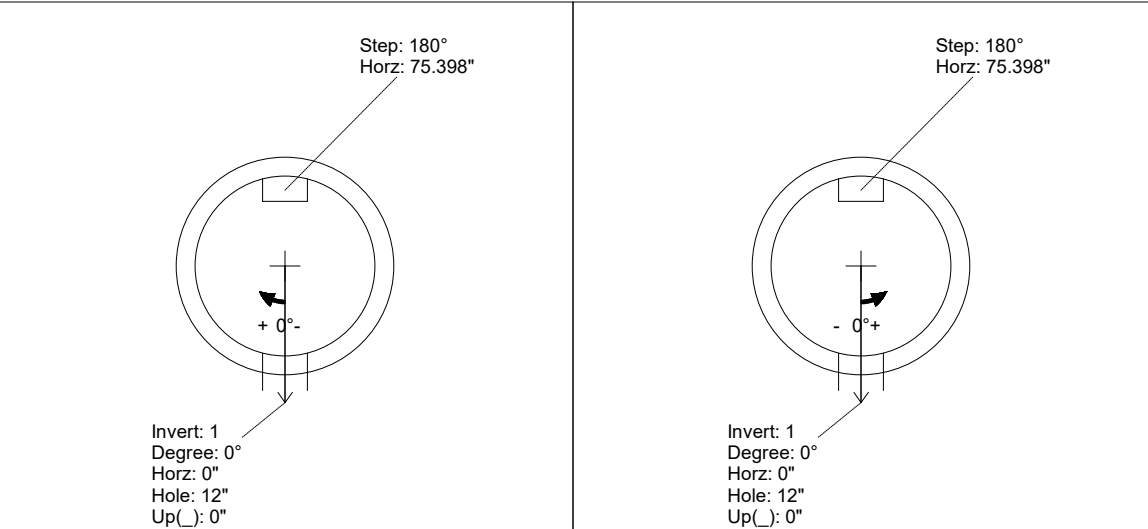
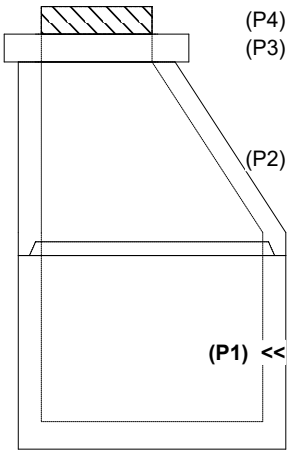
INVERT CHANNEL DRAWING
FULL HEIGHT INVERT

Rim: 641.1' Rim to Invert: 7.32' Slack: 0.84" Sump: 3" Step Position: 180°

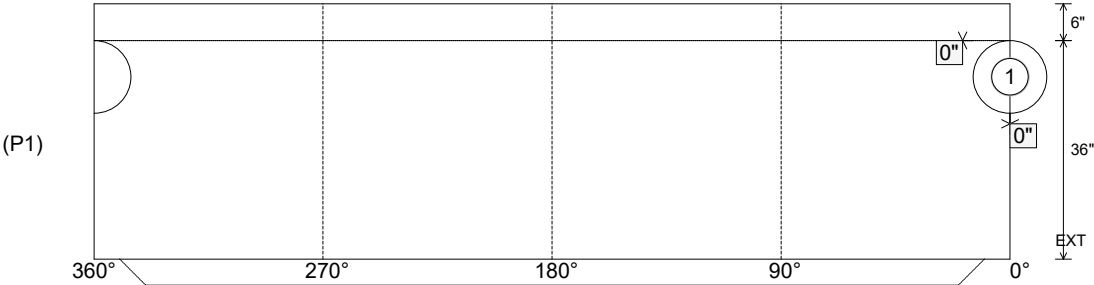
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	633.78'	0°	0"	6" PVC SDR35	6.25"	PSX 12-06 NYLO	12"	12.129"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 5" Floor Height: 6"	Height (Int): 36" Height (Ext): 42"	Weight (Net): 3797 lb Volume (Net): 0.97cu.yd
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