

Job Name: 26-2642 - Daviess County Detention Center
Job Location: Owensboro, KY
Contractor: Winwater Hartford KY Co.

Plant: Beaver Dam

10/13/2026 2:57:18 PM

Tech: J. Coppage

PC: A. Chambers



Structure ID: A1MH1 SS-MH

P1 MH048BA24CDARED

MH BASE w/ConBlock-CDA Red

- P5) 24" - CASTING HEIGHT - 7"
P4) 24" - GRADE RING w/ConBlock-CDA Red - 3"
P3) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red - 30"
P2) 48" - MH RISER w/ConBlock-CDA Red - 48"
P1) 48" - MH BASE w/ConBlock-CDA Red - 24"
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT
1) CASTING - HOE MC-315 F/C RWRA
2) 48" - Conseal CS-102 1.00" (Double)
2) 24" - Conseal CS-102 1.00" (Double)
2) PSX - 12-08 NYLO
9) MH Step ML-10-TDS-NCR - 10"

- Structure Notes:
1. JR HOE MC-315 SAN. PROVIDED BY ICAST.
2. PER ASTM C478 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. ADMIXTURE = CONBLOCK CDA RED.
5. REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

0 lb
202 lb
1961 lb
3353 lb
2911 lb
0 lb
0 lb
1440 lb
258 lb
0 lb
0 lb
16 lb
0 lb

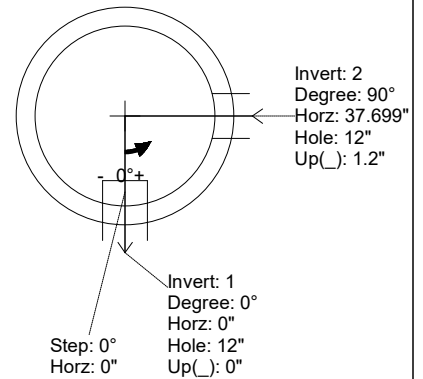
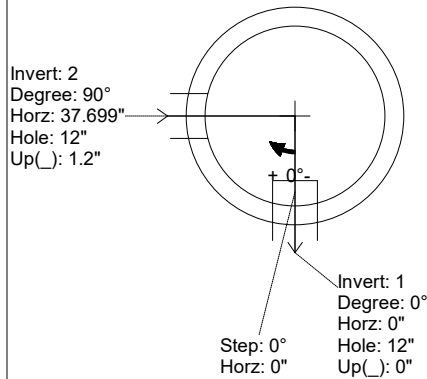
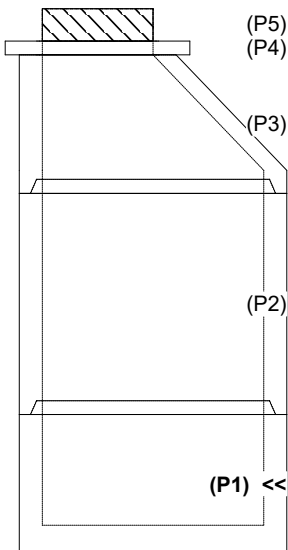
Structure Total: 10142 lb

Rim: 400.22' Rim to Invert: 9.22' Slack: 0.64" Sump: 2" Step Position: 0°

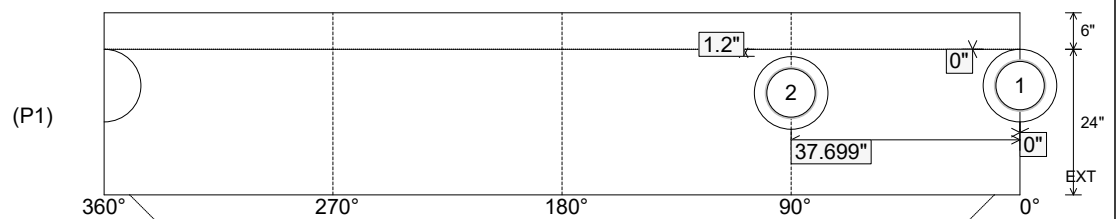
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	391'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	391.1'	90°	45.553"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

Height (Int): 24"
Height (Ext): 30"

Weight (Net): 2911 lb
Volume (Net): 0.74cu.yd

Job Name: 26-2642 - Daviess County Detention Center
Job Location: Owensboro, KY
Contractor: Winwater Hartford KY Co.

Plant: Beaver Dam

10/13/2026 2:57:18 PM

Tech: J. Coppage

PC: A. Chambers



Structure ID: A1MH1 SS-MH

P1 MH048BA24CDARED

MH BASE w/ConBlock-CDA Red

- P5) 24" - CASTING HEIGHT - 7"
P4) 24" - GRADE RING w/ConBlock-CDA Red - 3"
P3) 48" - ECC CONE w/ 24" HOLE, w/ConBlock-CDA Red - 30"
P2) 48" - MH RISER w/ConBlock-CDA Red - 48"
P1) 48" - MH BASE w/ConBlock-CDA Red - 24"
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT
1) CASTING - HOE MC-315 F/C RWRA
2) 48" - Conseal CS-102 1.00" (Double)
2) 24" - Conseal CS-102 1.00" (Double)
2) PSX - 12-08 NYLO
9) MH Step ML-10-TDS-NCR - 10"

- Structure Notes:
1. JR HOE MC-315 SAN. PROVIDED BY ICAST.
2. PER ASTM C478 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. ADMIXTURE = CONBLOCK CDA RED.
5. REINFORCING PER ASTM A615 (GRADE 60).
- CONE (As .12)
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

**INVERT CHANNEL DRAWING
FULL HEIGHT INVERT**

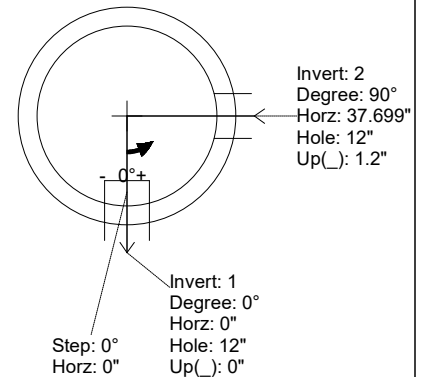
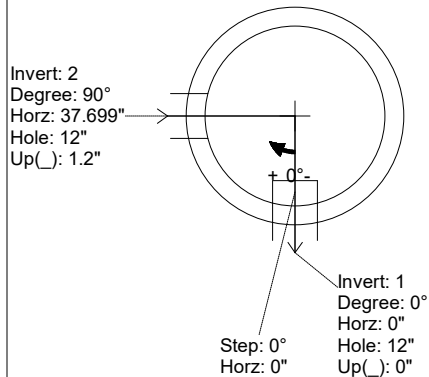
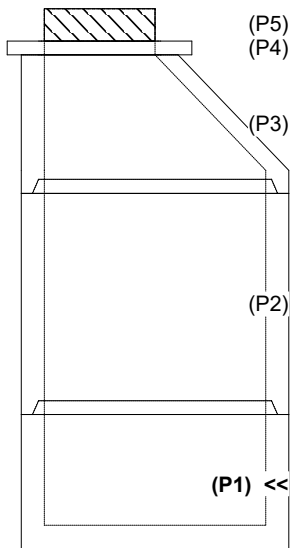
Structure Total: 10142 lb

Rim: 400.22' Rim to Invert: 9.22' Slack: 0.64" Sump: 2" Step Position: 0°

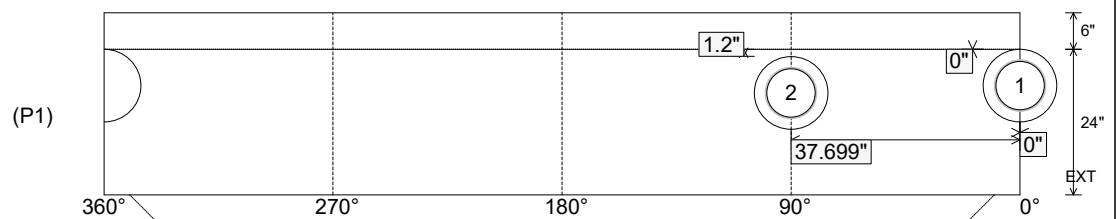
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	391'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	0"	0"
Invert 2	391.1'	90°	45.553"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1.2"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

Height (Int): 24"
Height (Ext): 30"

Weight (Net): 2911 lb
Volume (Net): 0.74cu.yd