

Job Name: 26-1453 Clarksville, TN SPC13A	Plant: Beaver Dam	Tech: J. Coppage	
Job Location: Clarksville, TN Contractor: Cleary Construction, Inc.	4/23/2026 7:30:05 AM	PC: C. Goff	

Structure ID: Wet Well-11-11

P3 MH120RS96CDARED

MH RISER w/CONBLOCK CDA RED T/G

P6) 30" x 36" - HATCH (CAST FLUSH) - 0"	0 lb
P5) 120" - MH FLAT TOP w/2x 30"x36" Hatches CONBLOCK CDA RED F/G - 18"	15235 lb
P4) 120" - MH RISER w/CONBLOCK CDA RED T/G - 84"	31843 lb
P3) 120" - MH RISER w/CONBLOCK CDA RED T/G - 96"	36468 lb
P2) 120" - MH RISER w/CONBLOCK CDA RED T/G - 96"	36399 lb
P1) 120" - MH BASE SLAB w/CONBLOCK CDA RED T/n - 12"	22837 lb
4) JOINT WRAP - 12" WD x 120" MAC WRAP	0 lb
2) HATCH (Alum.) - HALLIDAY W1S 30"x36"	138 lb
1) This Structure Includes a Cast-in Item - Halliday W1S 30" x 36" Hatches (Supplied by iCast)	0 lb
1) ADMIXTURE CONBLOCK CDA RED	0 lb
4) 120" - Conseal CS-231 1.00" (Double)	0 lb
2) Z-Lok - C107-3	2 lb
1) A-Lok - 0285	1 lb
Structure Total:	142923 lb

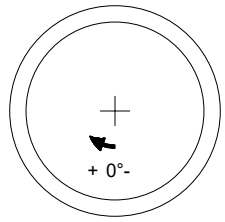
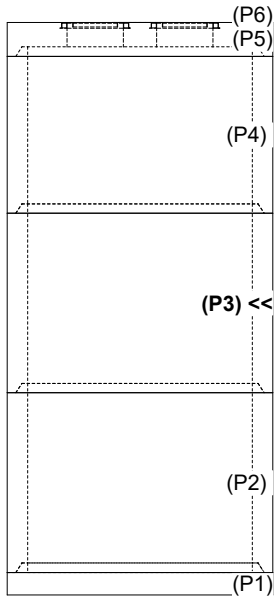
Structure Notes:

- PER ASTM C-478 SPECIFICATIONS
- CONCRETE: 4,000 PSI AT 28 DAYS
- REINFORCEMENT: PER ASTM A615
- NO STEPS
- CONBLOCK CDA RED ADMIXTURE REQUIRED
- 2 EA. HALLIDAY W1S 30" X 36" HATCHES SUPPLIED BY ICAS - TO BE CAST INTO FLAT LID
- LIFTERS: 4 EA. 8CA18 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED AT 0°, 90°, 180°, & 270°, MIN. 24" FROM TOP OF WALLS

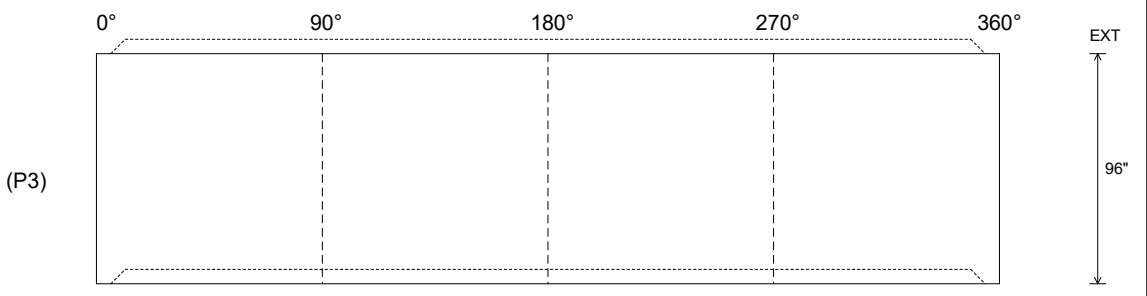
Rim: 543.5' Rim to Invert: 17.73' Slack: -6" Sump: 75.24" Step Position:

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



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 11" Floor Height: 0"	Height (Int): 96" Height (Ext): 96"	Weight (Net): 36468 lb Volume (Net): 9.32cu.yd
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Job Name: 25-4733 - The Paddock
 Job Location: Springfield, KY
 Contractor: Core & Main LP (Lou)

Plant: 100
 5/14/2026 1:09:26 PM

Tech: Jared - F
 PC: T. Lewis



Structure ID: SSWR-7

P2 MH048LD12ECC

MH FLAT TOP w/ 24" ECC Hole F/G

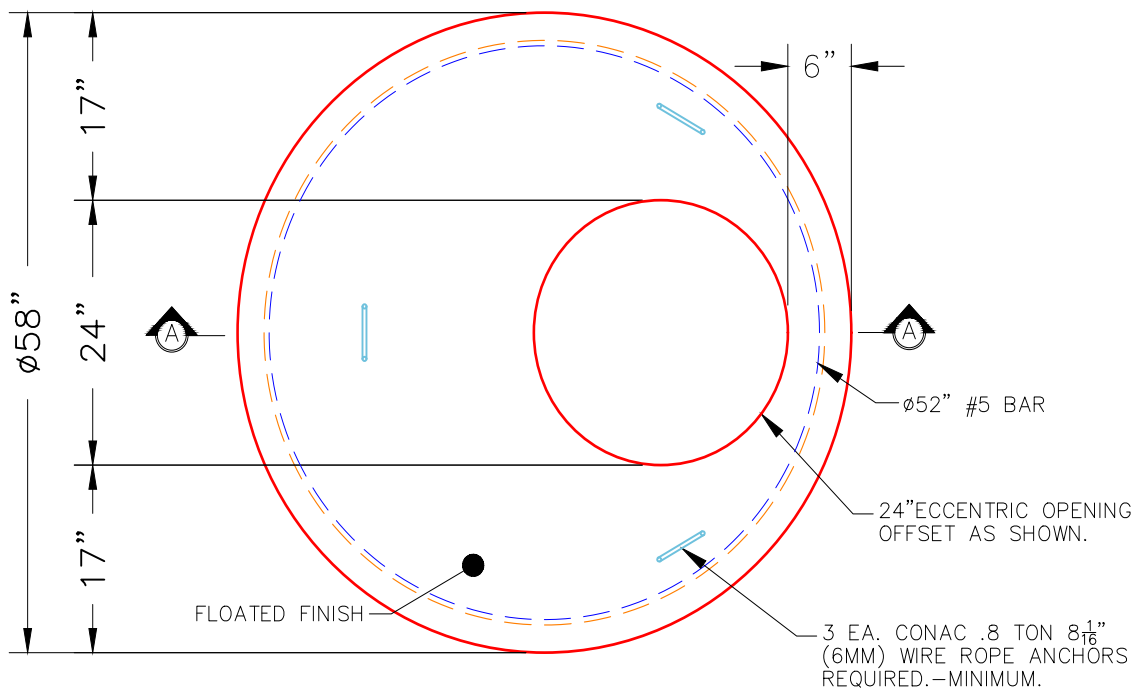
- P3) 24" - CASTING HEIGHT - 7"
- P2) 48" - MH FLAT TOP w/ 24" ECC Hole F/G - 12"
- P1) 48" - MH BASE T/n - 24"
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) 48" - MH INVERT CHANNEL - FULL HEIGHT
- 1) CASTING - HOE MC-315 F/C Sanitary
- 1) 48" - Conseal CS-102 1.00" (Double)
- 1) PSX - 12M NYLO
- 1) MH Step ML-10-TDS-NCR - 10"

0 lb
 1561 lb
 2959 lb
 0 lb
 0 lb
 1440 lb
 258 lb
 0 lb
 8 lb
 0 lb

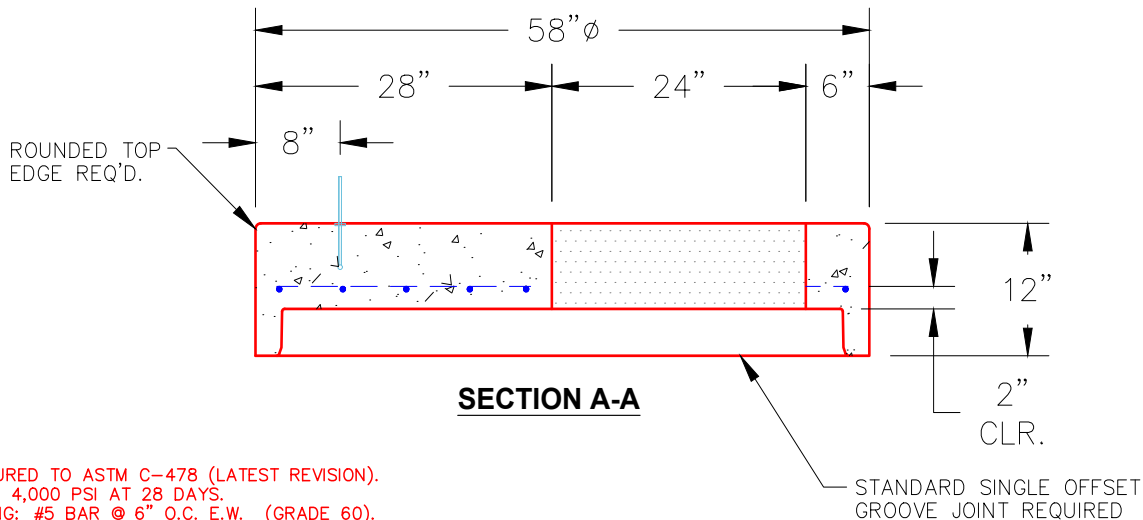
 Structure Total: 6226 lb

Structure Notes:
 1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. CASTING BY ICAST (HOE MC-315 F/C SANITARY).

 REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB = H2O LOADING.
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.



PLAN VIEW



SECTION A-A

NOTES:

- 1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).
- 2. CONCRETE: 4,000 PSI AT 28 DAYS.
- 3. REINFORCING: #5 BAR @ 6" O.C. E.W. (GRADE 60).

Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

Weight (Net): 1561 lb
 Volume (Net): 0.42cu.yd

Job Name: 24-4112 - Ohio River Service Area Rehab
 Job Location: Louisville, KY 40222
 Contractor: TRC, LLC

Plant: Beaver Dam, KY
 5/13/2026 2:58:12 PM

Tech: K. Cardwell
 PC: A. Wells



Structure ID: 951

P3 MH048CN42

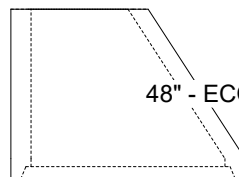
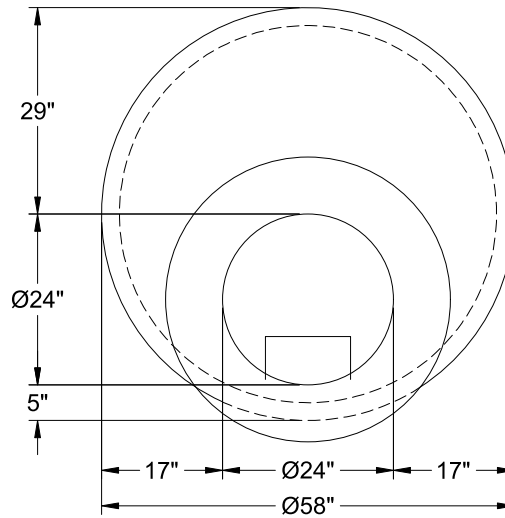
ECC CONE w/ 24" HOLE F/G

- P5) 24" - CASTING HEIGHT - 7"
- P4) 24" - GRADE RING F/F - 4"
- P3) 48" - ECC CONE w/ 24" HOLE F/G - 42"
- P2) 48" - MH RISER T/G - 48"
- P1) 48" - MH BASE T/n - 24"
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) 48" - SAN. INV. CHANNEL - FULL HEIGHT
- 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"

0 lb
 270 lb
 3200 lb
 3353 lb
 2911 lb
 0 lb
 0 lb
 1440 lb
 0 lb
 0 lb
 16 lb
 0 lb

 Structure Total: 11190 lb

Structure Notes:
 STATION: 6+13.07 CLUB DR
 1. PER MSD & ASTM C-478 SPECIFICATIONS
 2. CONCRETE: 5,000 PSI AT 28 DAYS
 3. REINFORCEMENT: PER ASTM A615
 4. STEPS REQUIRED
 5. 7" CASTING SUPPLIED BY OTHERS



48" - ECC CONE w/ 24" HOLE F/G - 42" - (P3)

Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 42"

Weight (Net): 3200 lb
 Volume (Net): 0.5cu.yd

Job Name: 24-4112 - Ohio River Service Area Rehab
 Job Location: Louisville, KY 40222
 Contractor: TRC, LLC

Plant: Beaver Dam, KY
 5/13/2026 2:57:49 PM

Tech: K. Cardwell
 PC: A. Wells



Structure ID: 951

P2 MH048RS48

MH RISER T/G

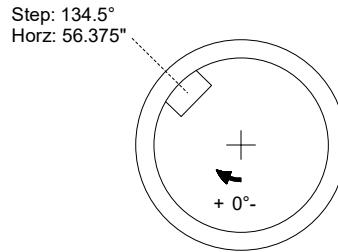
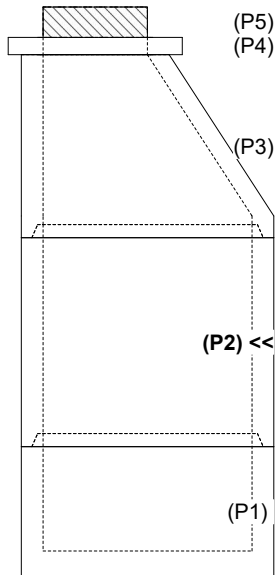
P5) 24" - CASTING HEIGHT - 7"	0 lb
P4) 24" - GRADE RING F/F - 4"	270 lb
P3) 48" - ECC CONE w/ 24" HOLE F/G - 42"	3200 lb
P2) 48" - MH RISER T/G - 48"	3353 lb
P1) 48" - MH BASE T/n - 24"	2911 lb
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)	0 lb
1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212	0 lb
1) 48" - SAN. INV. CHANNEL - FULL HEIGHT	1440 lb
2) 48" - Conseal CS-102 1.00" (Double)	0 lb
2) 24" - Conseal CS-102 1.00" (Double)	0 lb
2) PSX - 12-08 NYLO	16 lb
9) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	11190 lb

Structure Notes:
 STATION: 6+13.07 CLUB DR
 1. PER MSD & ASTM C-478 SPECIFICATIONS
 2. CONCRETE: 5,000 PSI AT 28 DAYS
 3. REINFORCEMENT: PER ASTM A615
 4. STEPS AT 134.5 DEGREES
 5. 7" CASTING SUPPLIED BY OTHERS

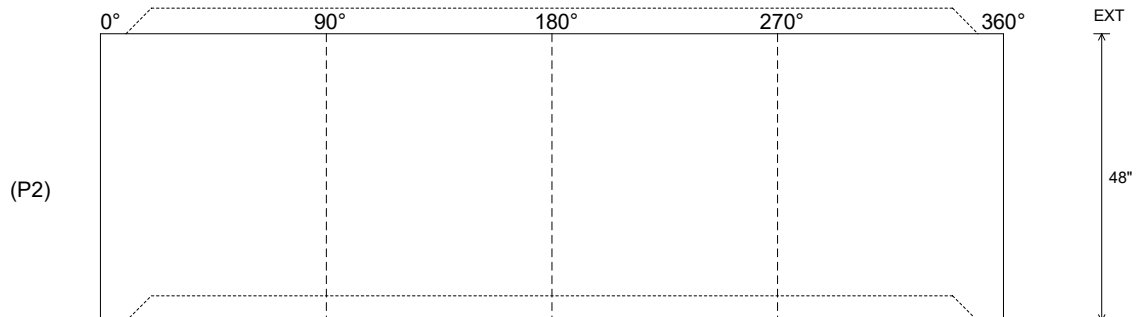
Rim: 669.7' Rim to Invert: 10.31' Slack: 1.72" Sump: 3" Step Position: 134.5°

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



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 5" Floor Height: 0"	Height (Int): 48" Height (Ext): 48"	Weight (Net): 3353 lb Volume (Net): 0.86cu.yd
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Job Name: 26-1130 Bristol Manhole	Plant: Beaver Dam	Tech: S. Felletter	
Job Location: Bristol, TN Contractor: J Cumby Construction	5/20/2026 3:00:25 PM	PC: A. Chambers	

Structure ID: 61130 (2)

P1 MH048RS60

MH RISER F/G

- P2) 48" - CASTING HEIGHT - 0"
- P1) 48" - MH RISER F/G - 60"
- 1) CASTING - EJ V1600-6 F/G
- 1) 48" - Conseal CS-102 1.00" (Double)

0 lb
4192 lb
445 lb
0 lb

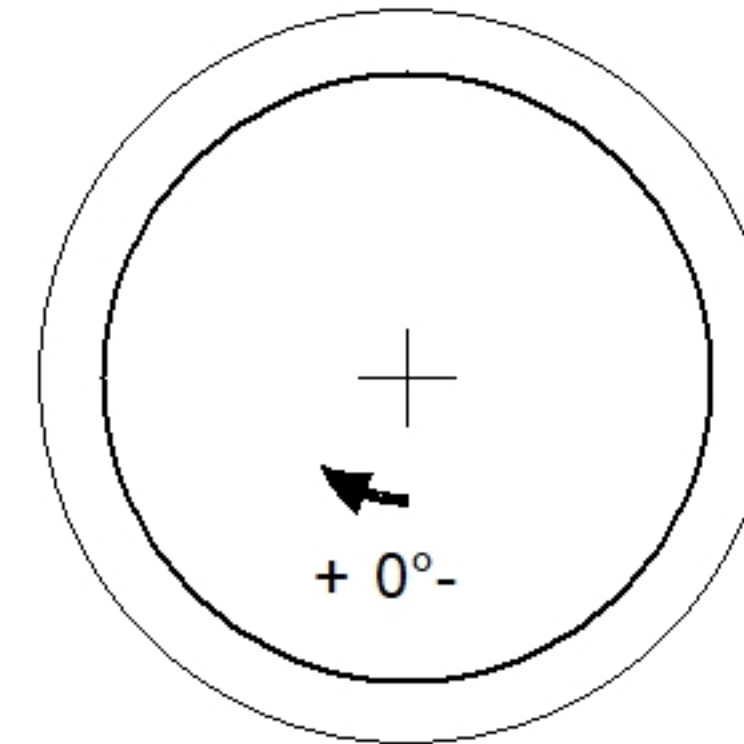
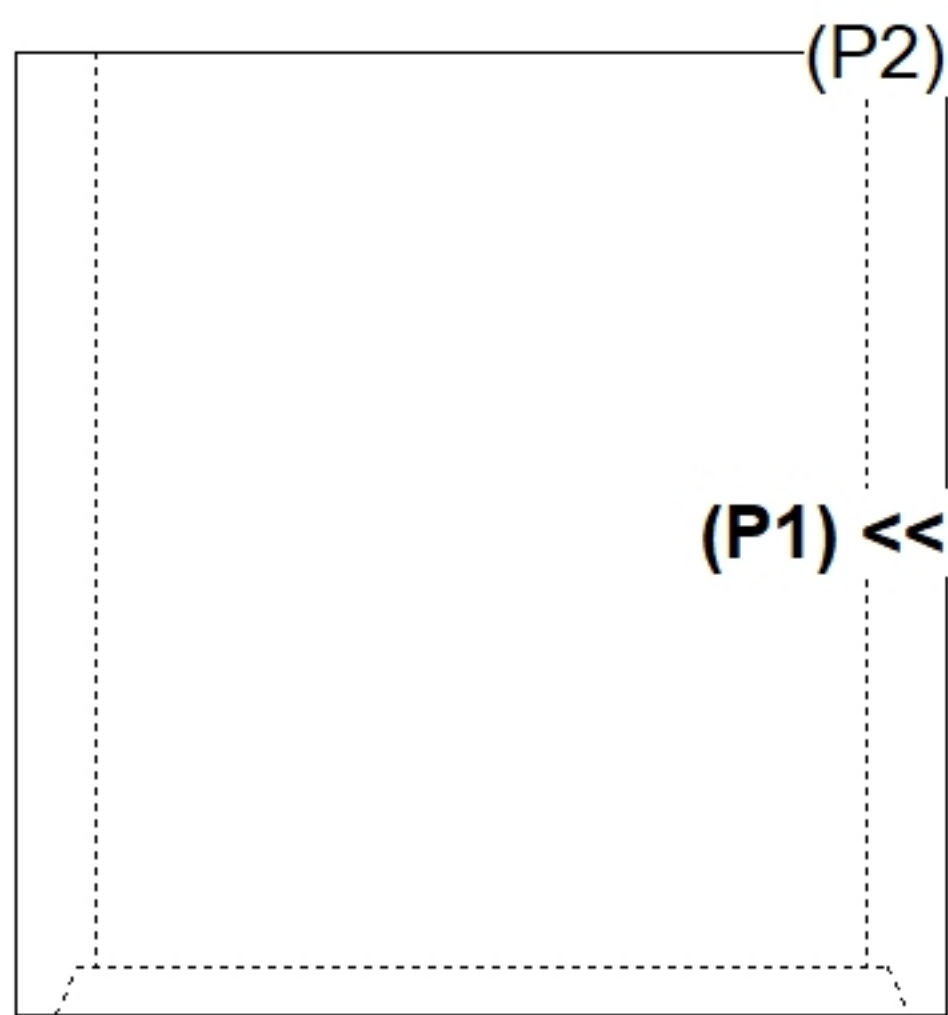
Structure Total: 4637 lb

- Structure Notes:
1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. REINFORCING PER ASTM A615 (GRADE 60).
- RISER/WALLS (As .12)

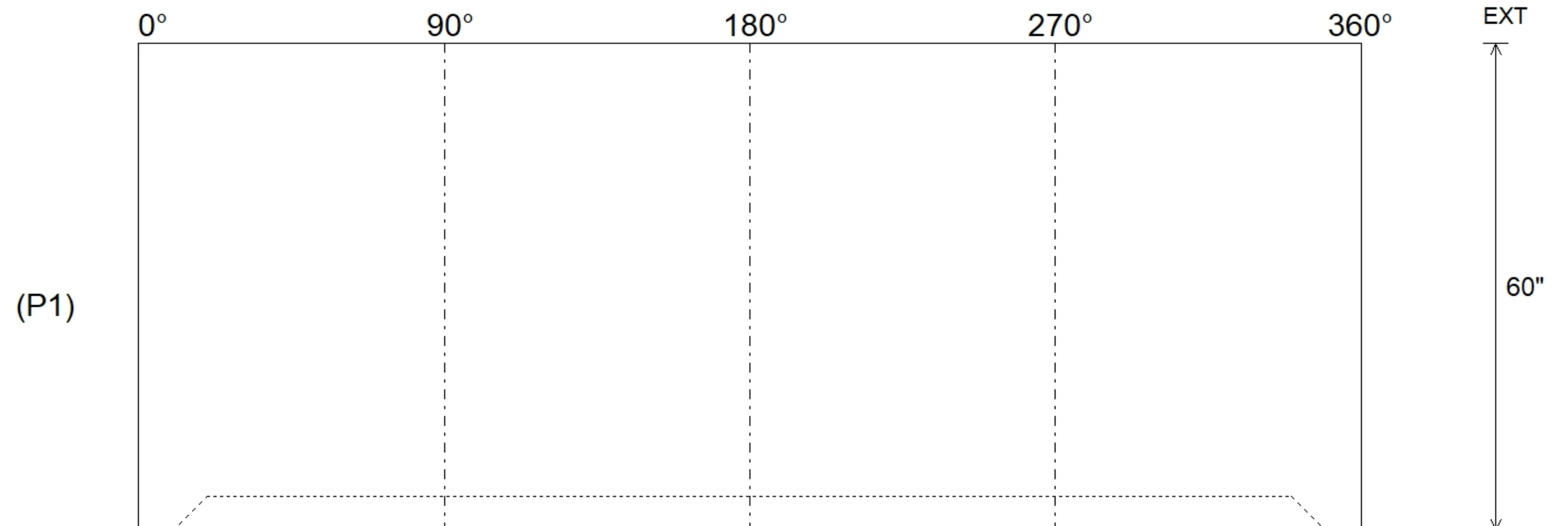
Rim: 5' Rim to Invert: 0' Slack: 0" Sump: 0" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (L)	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



Coating (Int):	Seam Up: Flat	Wall Thickness: 5"	Height (Int): 60"	Weight (Net): 4192 lb
Coating (Ext):	Seam Dn: Groove	Floor Height: 0"	Height (Ext): 60"	Volume (Net): 1.07cu.yd

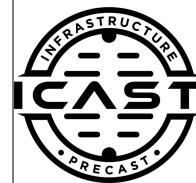
Job Name: 24-4112 - Ohio River Service Area Rehab
 Job Location: Louisville, KY 40222
 Contractor: TRC, LLC

Plant: Beaver Dam, KY

Tech: K. Cardwell

5/13/2026 2:57:23 PM

PC: A. Wells



Structure ID: 953

P1 MH048BA24

MH BASE T/n

- P4) 24" - CASTING HEIGHT - 7"
- P3) 48" - ECC CONE w/ 24" HOLE F/G - 36"
- P2) 48" - MH RISER T/G - 36"
- P1) 48" - MH BASE T/n - 24"

- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) 48" - SAN. INV. CHANNEL - FULL HEIGHT
- 2) 48" - Conseal CS-102 1.00" (Double)
- 1) 24" - Conseal CS-102 1.00" (Double)
- 2) PSX - 12-08 NYLO
- 7) MH Step ML-10-TDS-NCR - 10"

0 lb
 3000 lb
 2515 lb
 2911 lb
 0 lb
 0 lb
 1440 lb
 0 lb
 0 lb
 16 lb
 0 lb

Structure Total: 9882 lb

Structure Notes:

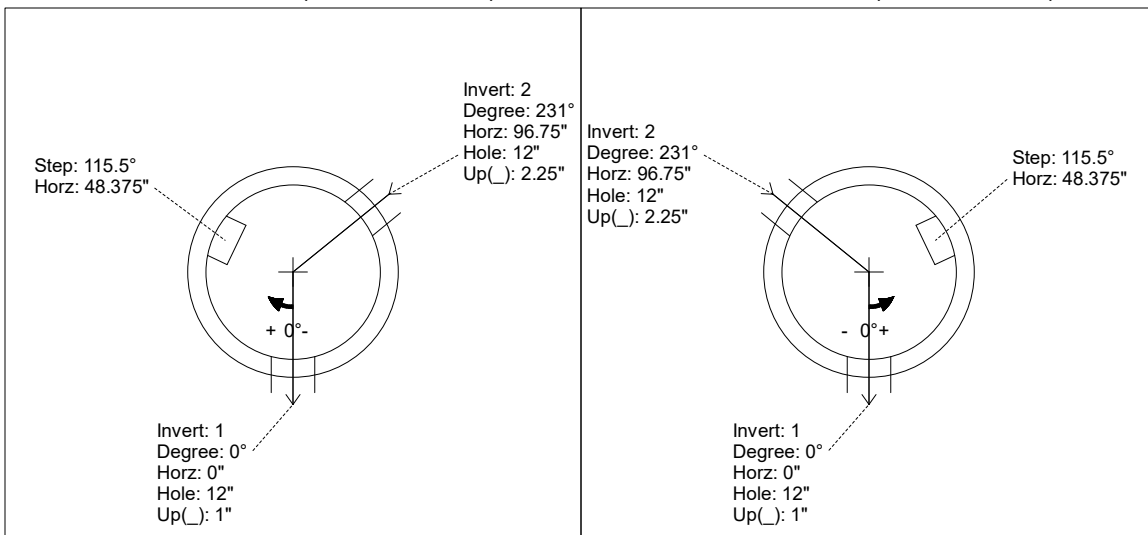
- STATION: 4+03.63 CLUB DR
- 1. PER MSD & ASTM C-478 SPECIFICATIONS
- 2. CONCRETE: 5,000 PSI AT 28 DAYS
- 3. REINFORCEMENT: PER ASTM A615
- 4. INVERT CHANNEL REQUIRED
- 5. STEPS AT 115.5 DEGREES
- 6. 7" CASTING SUPPLIED BY OTHERS

Rim: 666.39' Rim to Invert: 8.36' Slack: 0.32' Sump: 3" Step Position: 115.5

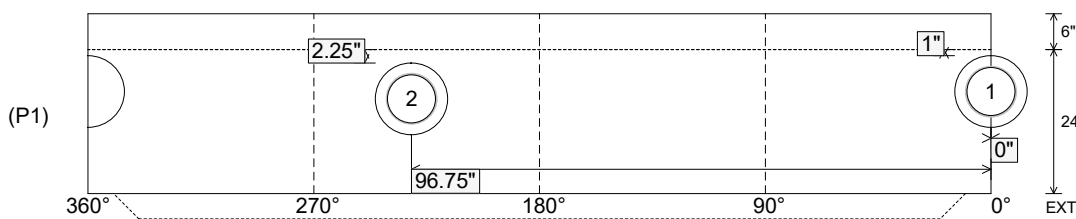
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	658.03'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1"	0"
Invert 2	658.13'	231°	116.875"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	2.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 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

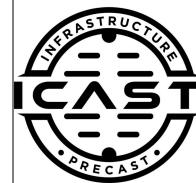
Job Name: 24-4112 - Ohio River Service Area Rehab
 Job Location: Louisville, KY 40222
 Contractor: TRC, LLC

Plant: Beaver Dam, KY

Tech: K. Cardwell

5/13/2026 2:57:23 PM

PC: A. Wells



Structure ID: 953

P1 MH048BA24

MH BASE T/n

- P4) 24" - CASTING HEIGHT - 7"
- P3) 48" - ECC CONE w/ 24" HOLE F/G - 36"
- P2) 48" - MH RISER T/G - 36"
- P1) 48" - MH BASE T/n - 24"

- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) 48" - SAN. INV. CHANNEL - FULL HEIGHT
- 2) 48" - Conseal CS-102 1.00" (Double)
- 1) 24" - Conseal CS-102 1.00" (Double)
- 2) PSX - 12-08 NYLO
- 7) MH Step ML-10-TDS-NCR - 10"

0 lb
 3000 lb
 2515 lb
 2911 lb
 0 lb
 0 lb
 1440 lb
 0 lb
 0 lb
 16 lb
 0 lb

Structure Total: 9882 lb

Structure Notes:

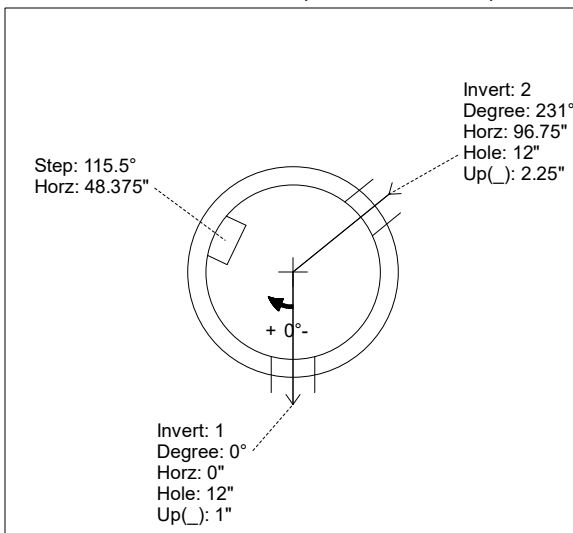
- STATION: 4+03.63 CLUB DR
- 1. PER MSD & ASTM C-478 SPECIFICATIONS
- 2. CONCRETE: 5,000 PSI AT 28 DAYS
- 3. REINFORCEMENT: PER ASTM A615
- 4. INVERT CHANNEL REQUIRED
- 5. STEPS AT 115.5 DEGREES
- 6. 7" CASTING SUPPLIED BY OTHERS

Rim: 666.39' Rim to Invert: 8.36' Slack: 0.32" Sump: 3" Step Position: 115.5

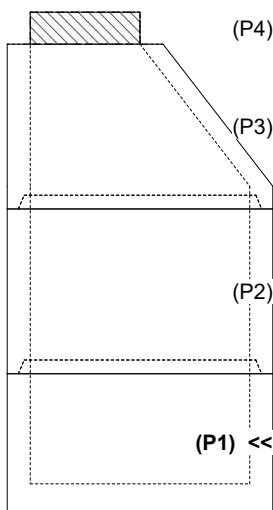
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	658.03'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1"	0"
Invert 2	658.13'	231°	116.875"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	2.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

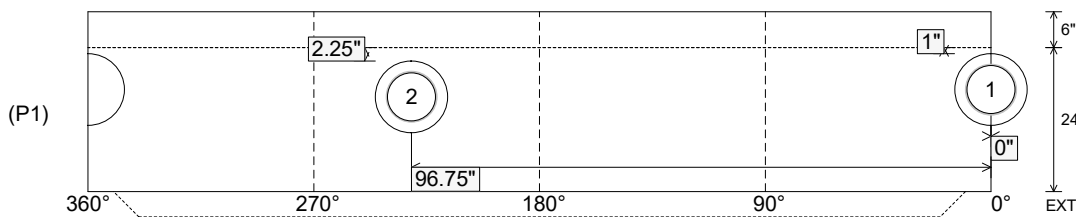
UPSIDE-DOWN VIEW (int. dimensions)



INVERT CHANNEL
DRAWING



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: 24-4112 - Ohio River Service Area Rehab
 Job Location: Louisville, KY 40222
 Contractor: TRC, LLC

Plant: Beaver Dam, KY

Tech: K. Cardwell

5/13/2026 2:57:23 PM

PC: A. Wells



Structure ID: 954

P1 MH048BA24

MH BASE T/n

- P3) 24" - CASTING HEIGHT - 7"
- P2) 48" - ECC CONE w/ 24" HOLE F/G - 30"
- P1) 48" - MH BASE T/n - 24"
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212
- 1) 48" - SAN. INV. CHANNEL - FULL HEIGHT
- 1) 48" - Conseal CS-102 1.00" (Double)
- 1) 24" - Conseal CS-102 1.00" (Double)
- 2) PSX - 12-08 NYLO
- 4) MH Step ML-10-TDS-NCR - 10"

0 lb
 2050 lb
 2911 lb
 0 lb
 0 lb
 1440 lb
 0 lb
 0 lb
 16 lb
 0 lb

 Structure Total: 6417 lb

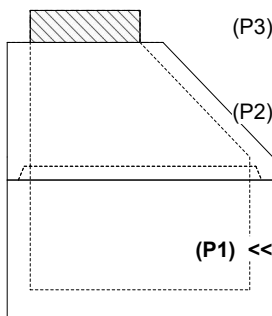
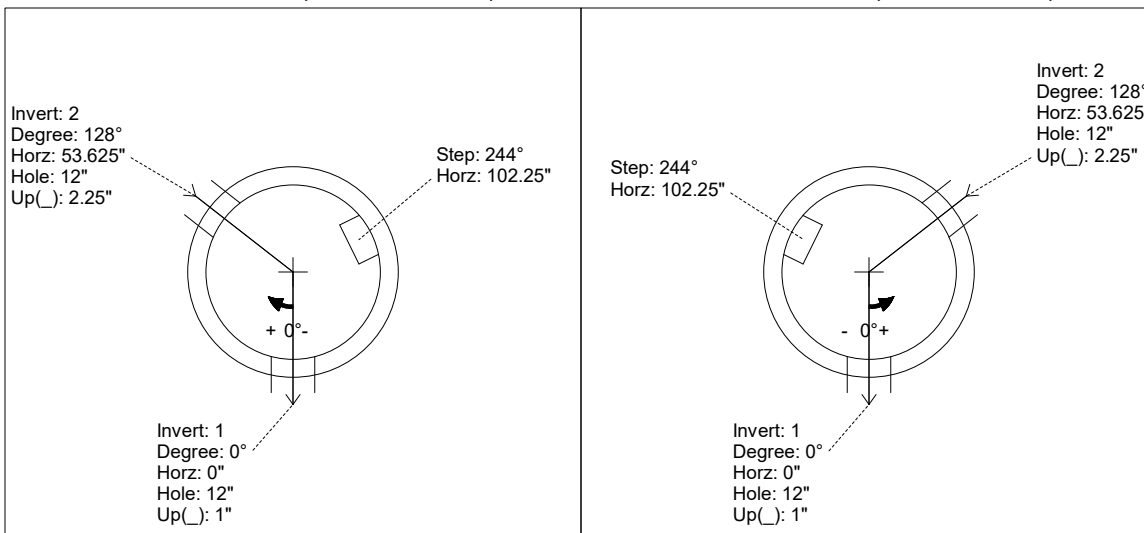
- Structure Notes:**
 STATION: 3+72.54 CLUB DR
 1. PER MSD & ASTM C-478 SPECIFICATIONS
 2. CONCRETE: 5,000 PSI AT 28 DAYS
 3. REINFORCEMENT: PER ASTM A615
 4. INVERT CHANNEL REQUIRED
 5. STEPS AT 244 DEGREES
 6. 7" CASTING SUPPLIED BY OTHERS

Rim: 665.2' Rim to Invert: 4.93' Slack: 1.16" Sump: 3" Step Position: 244

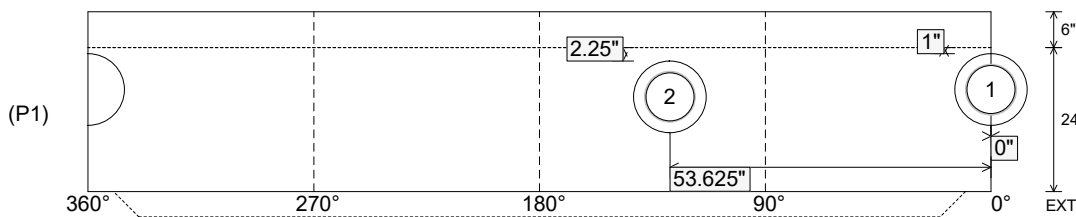
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	660.27'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1"	0"
Invert 2	660.37'	128°	64.75"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	2.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)



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

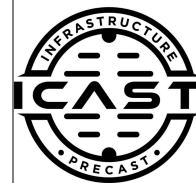
Job Name: 24-4112 - Ohio River Service Area Rehab
 Job Location: Louisville, KY 40222
 Contractor: TRC, LLC

Plant: Beaver Dam, KY

Tech: K. Cardwell

5/13/2026 2:57:23 PM

PC: A. Wells



Structure ID: 954

P1 MH048BA24

MH BASE T/n

- P3) 24" - CASTING HEIGHT - 7"
- P2) 48" - ECC CONE w/ 24" HOLE F/G - 30"
- P1) 48" - MH BASE T/n - 24"
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212
- 1) 48" - SAN. INV. CHANNEL - FULL HEIGHT
- 1) 48" - Conseal CS-102 1.00" (Double)
- 1) 24" - Conseal CS-102 1.00" (Double)
- 2) PSX - 12-08 NYLO
- 4) MH Step ML-10-TDS-NCR - 10"

0 lb
 2050 lb
 2911 lb
 0 lb
 0 lb
 1440 lb
 0 lb
 0 lb
 16 lb
 0 lb

 Structure Total: 6417 lb

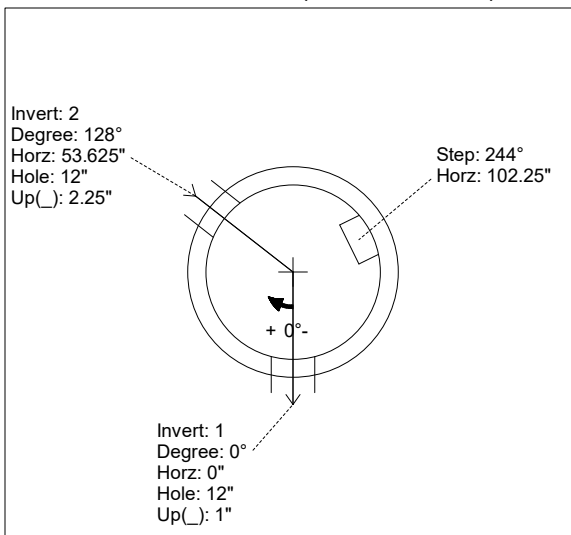
- Structure Notes:**
 STATION: 3+72.54 CLUB DR
 1. PER MSD & ASTM C-478 SPECIFICATIONS
 2. CONCRETE: 5,000 PSI AT 28 DAYS
 3. REINFORCEMENT: PER ASTM A615
 4. INVERT CHANNEL REQUIRED
 5. STEPS AT 244 DEGREES
 6. 7" CASTING SUPPLIED BY OTHERS

Rim: 665.2' Rim to Invert: 4.93' Slack: 1.16" Sump: 3" Step Position: 244

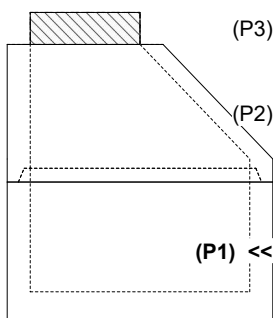
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	660.27'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1"	0"
Invert 2	660.37'	128°	64.75"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	2.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

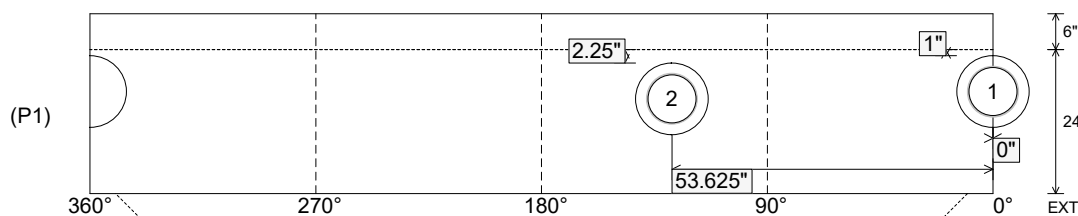
UPSIDE-DOWN VIEW (int. dimenions)



INVERT CHANNEL DRAWING



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: 24-4112 - Ohio River Service Area Rehab
 Job Location: Louisville, KY 40222
 Contractor: TRC, LLC

Plant: Beaver Dam, KY
 5/13/2026 2:57:22 PM

Tech: K. Cardwell
 PC: A. Wells



Structure ID: 951

P1 MH048BA24

MH BASE T/n

P5) 24" - CASTING HEIGHT - 7"	0 lb
P4) 24" - GRADE RING F/F - 4"	270 lb
P3) 48" - ECC CONE w/ 24" HOLE F/G - 42"	3200 lb
P2) 48" - MH RISER T/G - 48"	3353 lb
P1) 48" - MH BASE T/n - 24"	2911 lb
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)	0 lb
1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212	0 lb
1) 48" - SAN. INV. CHANNEL - FULL HEIGHT	1440 lb
2) 48" - Conseal CS-102 1.00" (Double)	0 lb
2) 24" - Conseal CS-102 1.00" (Double)	0 lb
2) PSX - 12-08 NYLO	16 lb
9) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	11190 lb

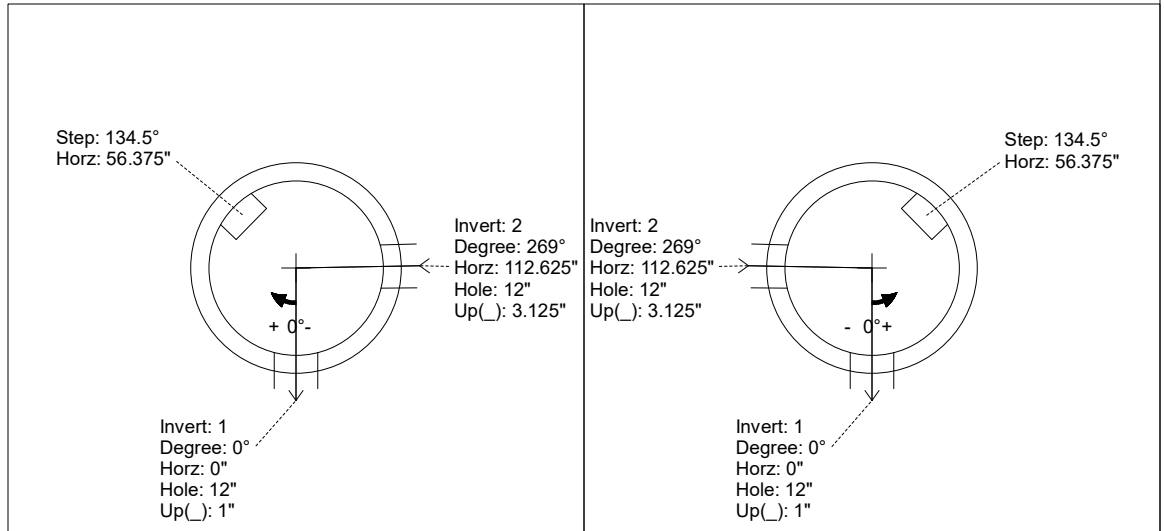
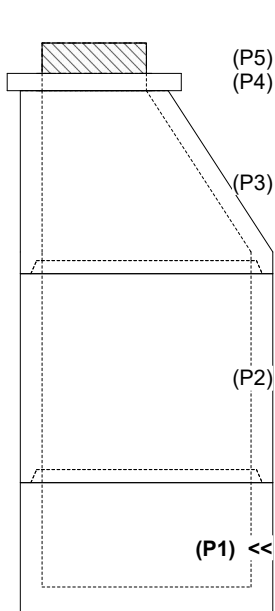
Structure Notes:
 STATION: 6+13.07 CLUB DR
 1. PER MSD & ASTM C-478 SPECIFICATIONS
 2. CONCRETE: 5,000 PSI AT 28 DAYS
 3. REINFORCEMENT: PER ASTM A615
 4. INVERT CHANNEL REQUIRED
 5. STEPS AT 134.5 DEGREES
 6. 7" CASTING SUPPLIED BY OTHERS

Rim: 669.7' Rim to Invert: 10.31' Slack: 1.72" Sump: 3" Step Position: 134.5°

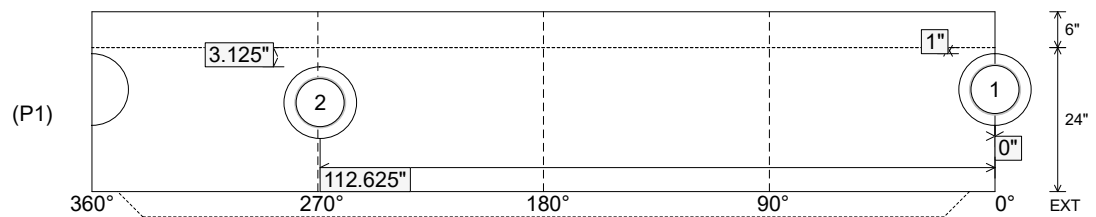
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	659.39'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1"	0"
Invert 2	659.57'	269°	136.125"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	3.125"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 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: 24-4112 - Ohio River Service Area Rehab
 Job Location: Louisville, KY 40222
 Contractor: TRC, LLC

Plant: Beaver Dam, KY

Tech: K. Cardwell

5/13/2026 2:57:22 PM

PC: A. Wells



Structure ID: 951

P1 MH048BA24

MH BASE T/n

P5) 24" - CASTING HEIGHT - 7"	0 lb
P4) 24" - GRADE RING F/F - 4"	270 lb
P3) 48" - ECC CONE w/ 24" HOLE F/G - 42"	3200 lb
P2) 48" - MH RISER T/G - 48"	3353 lb
P1) 48" - MH BASE T/n - 24"	2911 lb
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)	0 lb
1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212	0 lb
1) 48" - SAN. INV. CHANNEL - FULL HEIGHT	1440 lb
2) 48" - Conseal CS-102 1.00" (Double)	0 lb
2) 24" - Conseal CS-102 1.00" (Double)	0 lb
2) PSX - 12-08 NYLO	16 lb
9) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	11190 lb

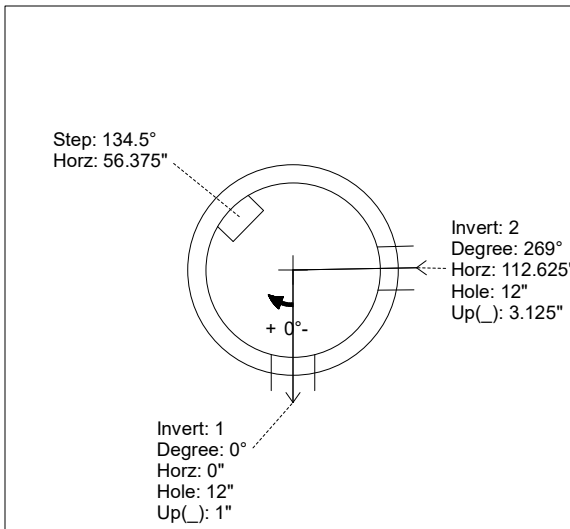
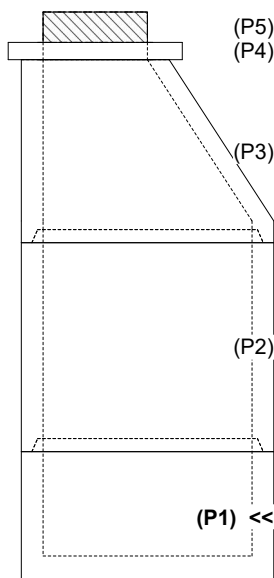
Structure Notes:
 STATION: 6+13.07 CLUB DR
 1. PER MSD & ASTM C-478 SPECIFICATIONS
 2. CONCRETE: 5,000 PSI AT 28 DAYS
 3. REINFORCEMENT: PER ASTM A615
 4. INVERT CHANNEL REQUIRED
 5. STEPS AT 134.5 DEGREES
 6. 7" CASTING SUPPLIED BY OTHERS

Rim: 669.7' Rim to Invert: 10.31' Slack: 1.72" Sump: 3" Step Position: 134.5°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	659.39'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1"	0"
Invert 2	659.57'	269°	136.125"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	3.125"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

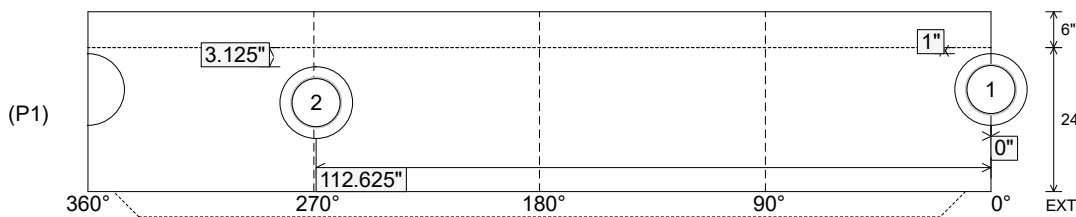
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INVERT CHANNEL DRAWING

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: 24-4112 - Ohio River Service Area Rehab
 Job Location: Louisville, KY 40222
 Contractor: TRC, LLC

Plant: Beaver Dam, KY
 5/13/2026 2:57:21 PM

Tech: K. Cardwell
 PC: A. Wells



Structure ID: 952

P1 MH048BA42

MH BASE T/n

P5) 24" - CASTING HEIGHT - 7"	0 lb
P4) 24" - GRADE RING F/F - 4"	270 lb
P3) 48" - ECC CONE w/ 24" HOLE F/G - 36"	3000 lb
P2) 48" - MH RISER T/G - 36"	2515 lb
P1) 48" - MH BASE T/n - 42"	4121 lb
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)	0 lb
1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212	0 lb
1) 48" - SAN. INV. CHANNEL - FULL HEIGHT	1440 lb
2) 48" - Conseal CS-102 1.00" (Double)	0 lb
2) 24" - Conseal CS-102 1.00" (Double)	0 lb
3) PSX - 12-08 NYLO	24 lb
9) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	11369 lb

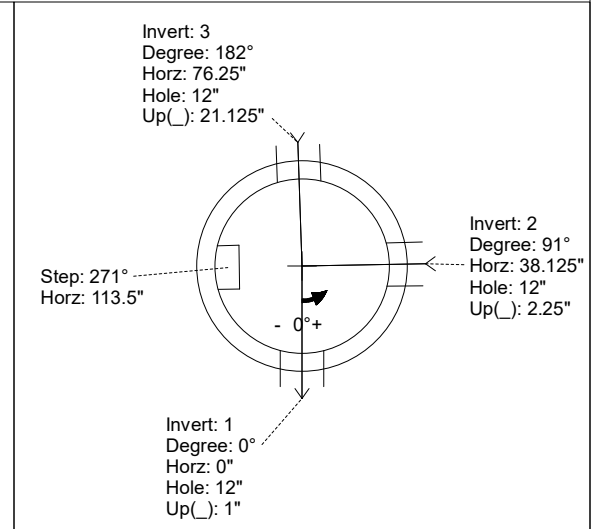
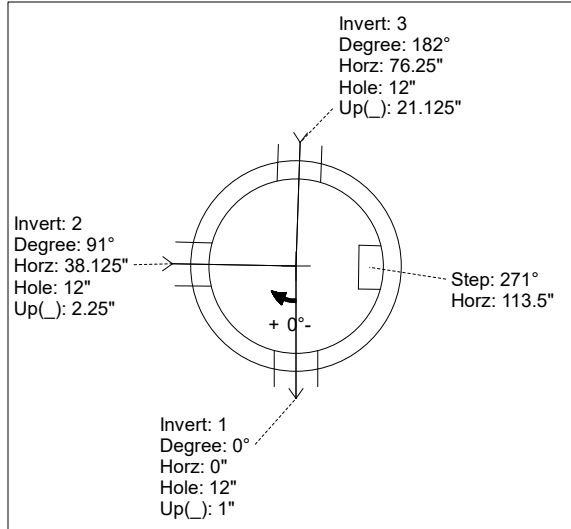
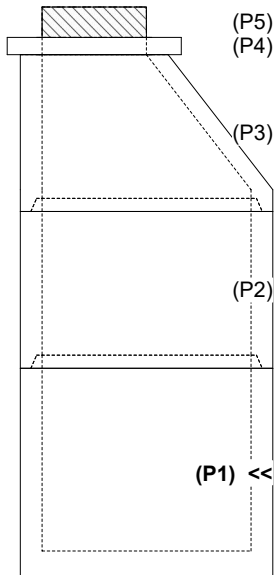
Structure Notes:
 STATION: 4+44.12 CLUB DR
 1. PER MSD & ASTM C-478 SPECIFICATIONS
 2. CONCRETE: 5,000 PSI AT 28 DAYS
 3. REINFORCEMENT: PER ASTM A615
 4. INVERT CHANNEL REQUIRED
 5. STEPS AT 271 DEGREES
 6. 7" CASTING SUPPLIED BY OTHERS

Rim: 668.5' Rim to Invert: 10.17' Slack: 0.04" Sump: 3" Step Position: 271°

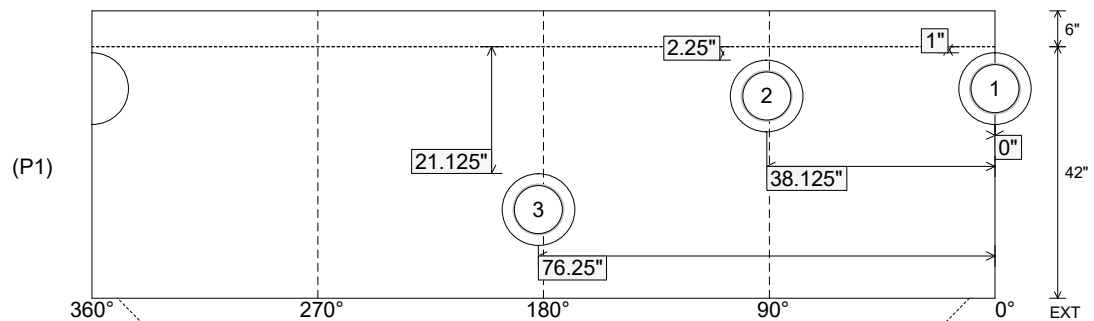
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	658.33'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1"	0"
Invert 2	658.43'	91°	46"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	2.25"	0"
Invert 3	660.01'	182°	92.125"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	21.125"	0"
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): 42"
 Height (Ext): 48"

Weight (Net): 4121 lb
 Volume (Net): 1.05cu.yd

Job Name: 24-4112 - Ohio River Service Area Rehab
 Job Location: Louisville, KY 40222
 Contractor: TRC, LLC

Plant: Beaver Dam, KY
 5/13/2026 2:57:21 PM

Tech: K. Cardwell
 PC: A. Wells



Structure ID: 952

P1 MH048BA42

MH BASE T/n

P5) 24" - CASTING HEIGHT - 7"	0 lb
P4) 24" - GRADE RING F/F - 4"	270 lb
P3) 48" - ECC CONE w/ 24" HOLE F/G - 36"	3000 lb
P2) 48" - MH RISER T/G - 36"	2515 lb
P1) 48" - MH BASE T/n - 42"	4121 lb
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)	0 lb
1) JOINT WRAP - 0.065"x6"x50" CONSEAL CS212	0 lb
1) 48" - SAN. INV. CHANNEL - FULL HEIGHT	1440 lb
2) 48" - Conseal CS-102 1.00" (Double)	0 lb
2) 24" - Conseal CS-102 1.00" (Double)	0 lb
3) PSX - 12-08 NYLO	24 lb
9) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	11369 lb

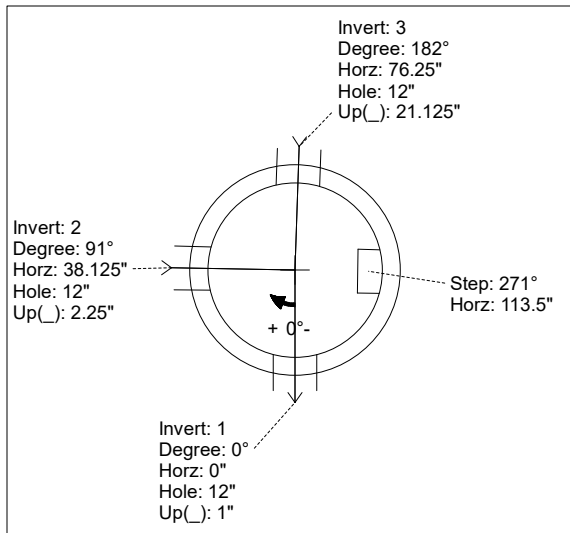
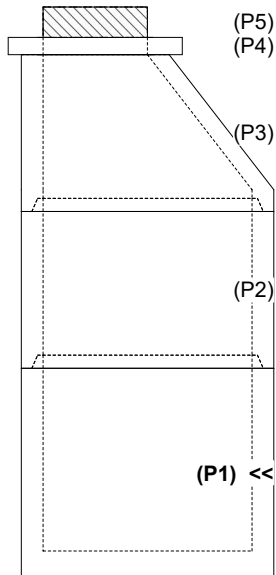
Structure Notes:
 STATION: 4+44.12 CLUB DR
 1. PER MSD & ASTM C-478 SPECIFICATIONS
 2. CONCRETE: 5,000 PSI AT 28 DAYS
 3. REINFORCEMENT: PER ASTM A615
 4. INVERT CHANNEL REQUIRED
 5. STEPS AT 271 DEGREES
 6. 7" CASTING SUPPLIED BY OTHERS

Rim: 668.5' Rim to Invert: 10.17' Slack: 0.04" Sump: 3" Step Position: 271°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	658.33'	0°	0"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	1"	0"
Invert 2	658.43'	91°	46"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	2.25"	0"
Invert 3	660.01'	182°	92.125"	8" PVC SDR35	8.5"	PSX 12-08 NYLO	12"	12.129"	21.125"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

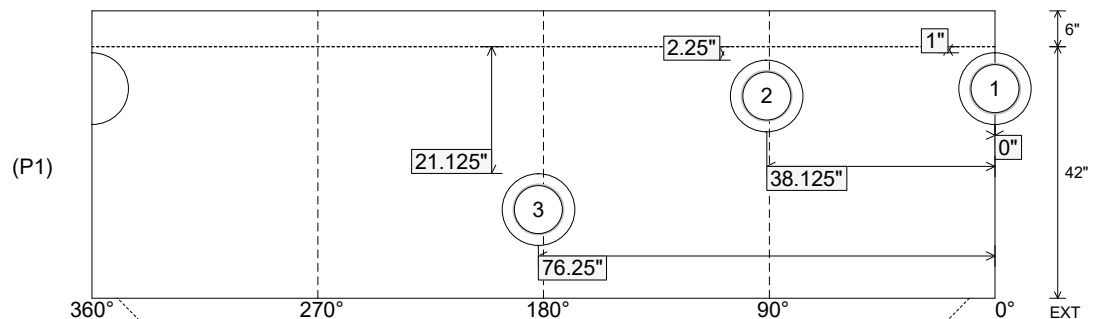
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INVERT CHANNEL DRAWING

INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Tongue
 Seam Dn: n/a

Wall Thickness: 5"
 Floor Height: 6"

Height (Int): 42"
 Height (Ext): 48"

Weight (Net): 4121 lb
 Volume (Net): 1.05cu.yd

Structure ID: A1

P1 MH048BA18

MH BASE T/n

P5) 24" x 24" - CASTING HEIGHT - 4" P4) 48" - MH FLAT TOP w/24"x24" Hole F/G - 12" P3) 48" - MH RISER SPECIAL T/G - 66" P2) 48" - MH RISER Custom Ht T/G - 41" P1) 48" - MH BASE T/n - 18" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) ASSEMBLY REQUIRED 1) CASTING - HOE 280T F/G 3) 48" - Conseal CS-102 1.00" (Double) 1) 24" x 24" - Conseal CS-102 1.00" (Double) 1) Hole - 26 1) Hole - 24	0 lb 1500 lb 4180 lb 2864 lb 2588 lb 0 lb 0 lb 0 lb 182 lb 0 lb 0 lb 0 lb 0 lb	
Structure Total:		11314 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. CASTING BY ICAST (HOE 280T F/G).
5. P2 & P3 RISERS TO BE MECHANICALLY ATTACHED BEFORE INSTALL.
6. LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE.

REINFORCING PER ASTM A615 (GRADE 60).

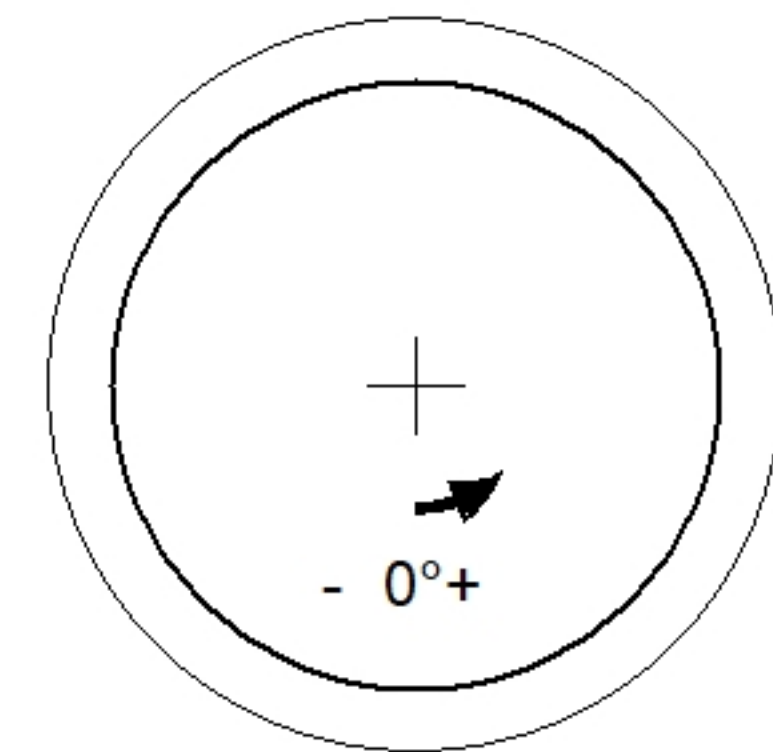
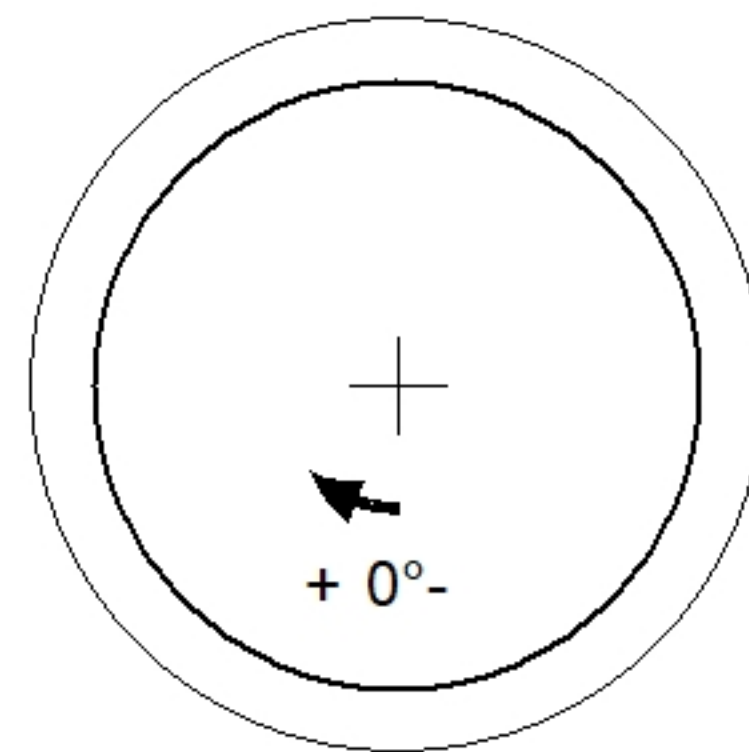
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- RISER/WALLS (As .12).
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 448.19' Rim to Invert: 5.04' Slack: 0.48" Sump: 81" Step Position:

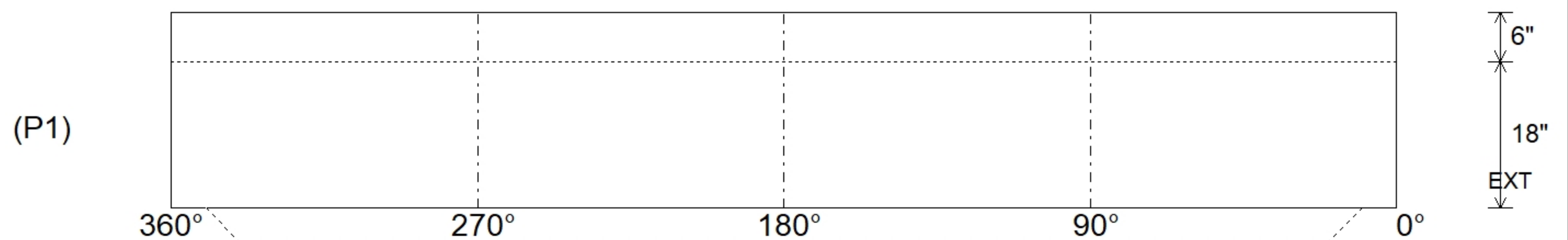
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (L)	Offset
Invert 1										
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):	Seam Up: Tongue	Wall Thickness: 5"	Height (Int): 18"
Coating (Ext):	Seam Dn: n/a	Floor Height: 6"	Height (Ext): 24"
		Weight (Net): 2588 lb Volume (Net): 0.66cu.yd	

Structure ID: A1

P2 MH048RSVF

MH RISER Custom Ht T/G

P5) 24" x 24" - CASTING HEIGHT - 4" P4) 48" - MH FLAT TOP w/24"x24" Hole F/G - 12" P3) 48" - MH RISER SPECIAL T/G - 66" P2) 48" - MH RISER Custom Ht T/G - 41" P1) 48" - MH BASE T/n - 18" 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 1) ASSEMBLY REQUIRED 1) CASTING - HOE 280T F/G 3) 48" - Conseal CS-102 1.00" (Double) 1) 24" x 24" - Conseal CS-102 1.00" (Double) 1) Hole - 26 1) Hole - 24	0 lb 1500 lb 4180 lb 2864 lb 2588 lb 0 lb 0 lb 0 lb 0 lb 182 lb 0 lb 0 lb 0 lb 0 lb	
Structure Total: 11314 lb		

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. CASTING BY ICAST (HOE 280T F/G).
5. P2 & P3 RISERS TO BE MECHANICALLY ATTACHED BEFORE INSTALL.
6. LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE.

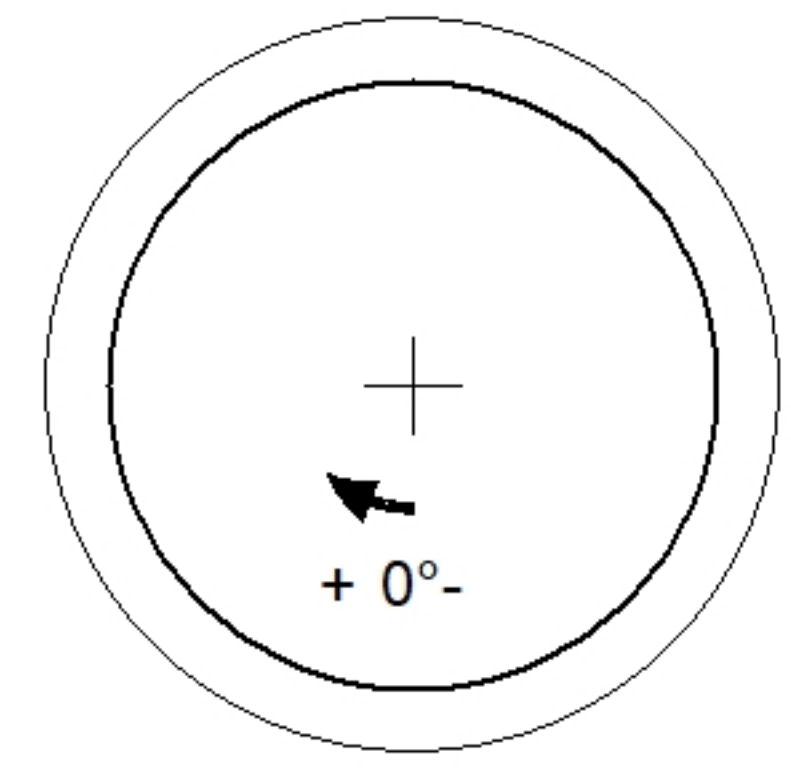
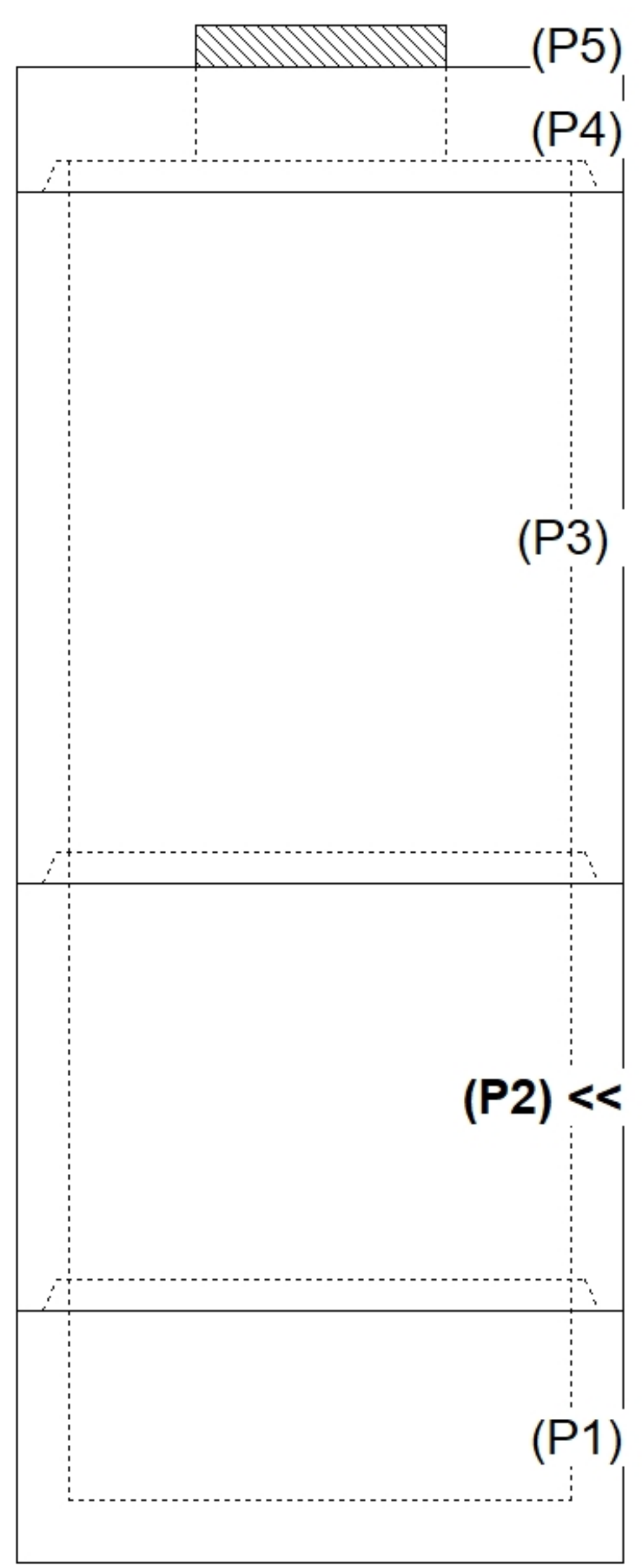
REINFORCING PER ASTM A615 (GRADE 60).

- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- RISER/WALLS (As .12).
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

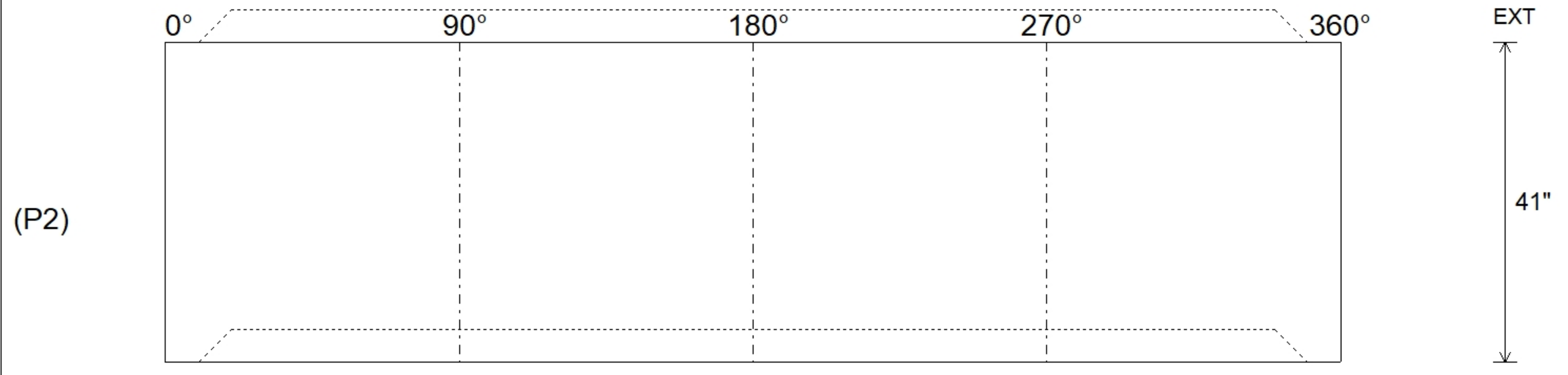
Rim: 448.19' Rim to Invert: 5.04' Slack: 0.48" Sump: 81" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (L)	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



Coating (Int):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 5" Floor Height: 0"	Height (Int): 41" Height (Ext): 41"
Coating (Ext):			Weight (Net): 2864 lb Volume (Net): 0.73cu.yd

Job Name: 25-4733 - The Paddock
 Job Location: Springfield, KY
 Contractor: Core & Main LP (Lou)

Plant: 100
 5/14/2026 1:08:53 PM

Tech: Jared - F
 PC: T. Lewis



Structure ID: SSWR-7

P1 MH048BA24

MH BASE T/n

- P3) 24" - CASTING HEIGHT - 7"
- P2) 48" - MH FLAT TOP w/ 24" ECC Hole F/G - 12"
- P1) 48" - MH BASE T/n - 24"
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) 48" - MH INVERT CHANNEL - FULL HEIGHT
- 1) CASTING - HOE MC-315 F/C Sanitary
- 1) 48" - Conseal CS-102 1.00" (Double)
- 1) PSX - 12M NYLO
- 1) MH Step ML-10-TDS-NCR - 10"

0 lb
 1561 lb
 2959 lb
 0 lb
 0 lb
 1440 lb
 258 lb
 0 lb
 8 lb
 0 lb

 Structure Total: 6226 lb

Structure Notes:
 1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. CASTING BY ICAST (HOE MC-315 F/C SANITARY).

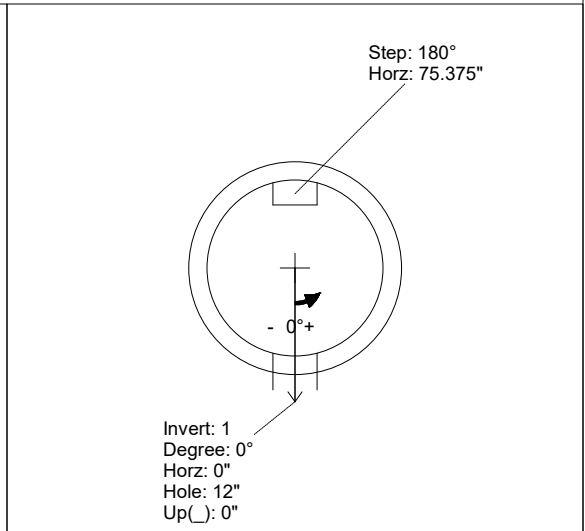
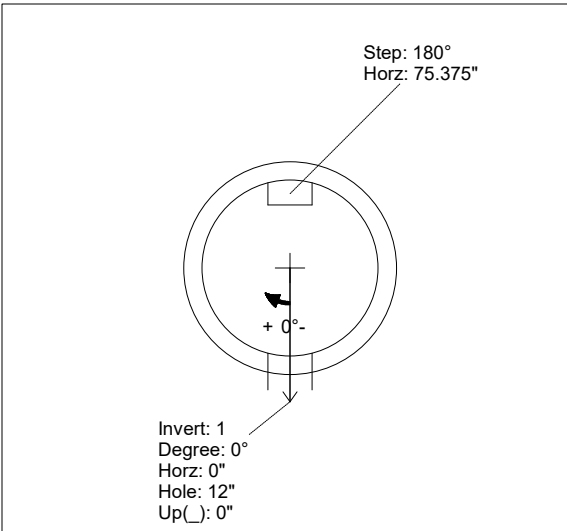
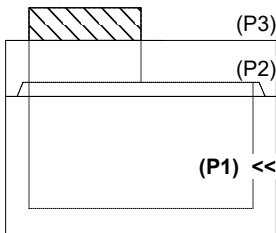
 REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB = H2O LOADING.
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 891.29' Rim to Invert: 3.53' Slack: 1.36' Sump: 2' Step Position: 180°

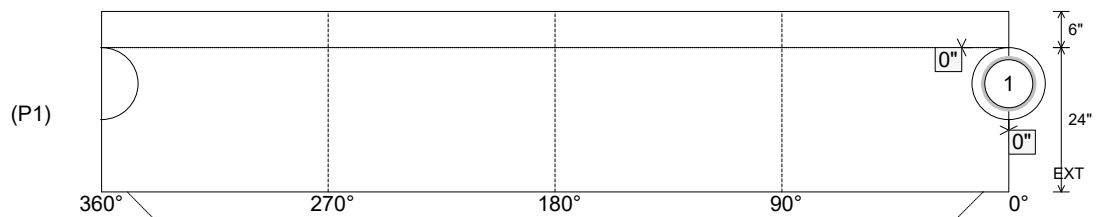
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset
Invert 1	887.76'	0°	0"	8" PVC C900	9.05"	PSX 12M NYLO	12"	12.129"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

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): 24"
 Height (Ext): 30"

Weight (Net): 2959 lb
 Volume (Net): 0.76cu.yd

Job Name: 25-4733 - The Paddock
 Job Location: Springfield, KY
 Contractor: Core & Main LP (Lou)

Plant: 100
 5/14/2026 1:08:53 PM

Tech: Jared - F
 PC: T. Lewis



Structure ID: SSWR-7

P1 MH048BA24

MH BASE T/n

- P3) 24" - CASTING HEIGHT - 7"
- P2) 48" - MH FLAT TOP w/ 24" ECC Hole F/G - 12"
- P1) 48" - MH BASE T/n - 24"
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) 48" - MH INVERT CHANNEL - FULL HEIGHT
- 1) CASTING - HOE MC-315 F/C Sanitary
- 1) 48" - Conseal CS-102 1.00" (Double)
- 1) PSX - 12M NYLO
- 1) MH Step ML-10-TDS-NCR - 10"

0 lb
 1561 lb
 2959 lb
 0 lb
 0 lb
 1440 lb
 258 lb
 0 lb
 8 lb
 0 lb

 Structure Total: 6226 lb

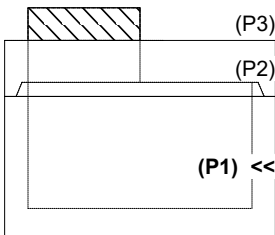
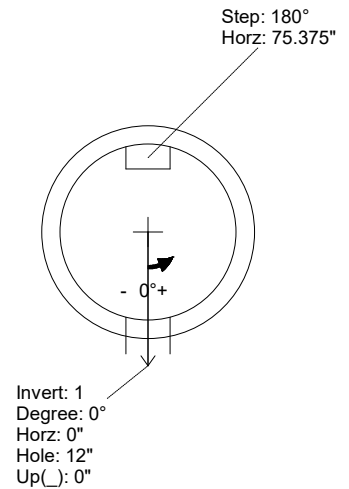
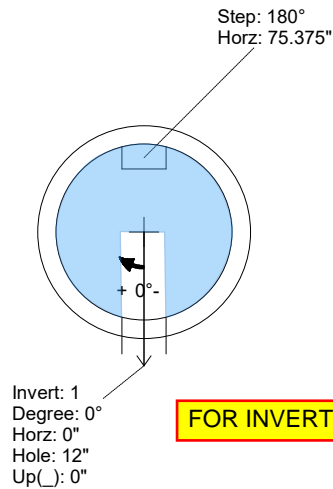
Structure Notes:
 1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. CASTING BY ICAST (HOE MC-315 F/C SANITARY).
 REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB = H2O LOADING.
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 891.29' Rim to Invert: 3.53' Slack: 1.36" Sump: 2" Step Position: 180°

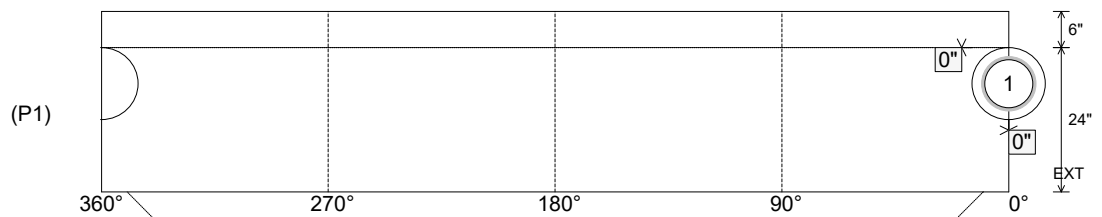
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset
Invert 1	887.76'	0°	0"	8" PVC C900	9.05"	PSX 12M NYLO	12"	12.129"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

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): 24"
 Height (Ext): 30"

Weight (Net): 2959 lb
 Volume (Net): 0.76cu.yd

Job Name: 25-4733 - The Paddock
 Job Location: Springfield, KY
 Contractor: Core & Main LP (Lou)

Plant: 100
 5/14/2026 1:08:52 PM

Tech: Jared - F
 PC: T. Lewis



Structure ID: SSWR-6

P1 MH048BA30

MH BASE T/n

- P4) 24" - CASTING HEIGHT - 7" 0 lb
 - P3) 24" - GRADE RING F/F - 3" 202 lb
 - P2) 48" - ECC CONE w/ 24" HOLE F/G - 36" 3000 lb
 - P1) 48" - MH BASE T/n - 30" 3282 lb
 - 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212 0 lb
 - 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.) 0 lb
 - 1) 48" - MH INVERT CHANNEL - FULL HEIGHT 1440 lb
 - 1) CASTING - HOE MC-315 F/C Sanitary 258 lb
 - 1) 48" - Conseal CS-102 1.00" (Double) 0 lb
 - 2) PSX - 12M NYLO 16 lb
 - 1) PSX - 12-06 NYLO 8 lb
 - 5) MH Step ML-10-TDS-NCR - 10" 0 lb
- Structure Total: 8207 lb

Structure Notes:
 1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. CASTING BY ICAST (HOE MC-315 F/C SANITARY).

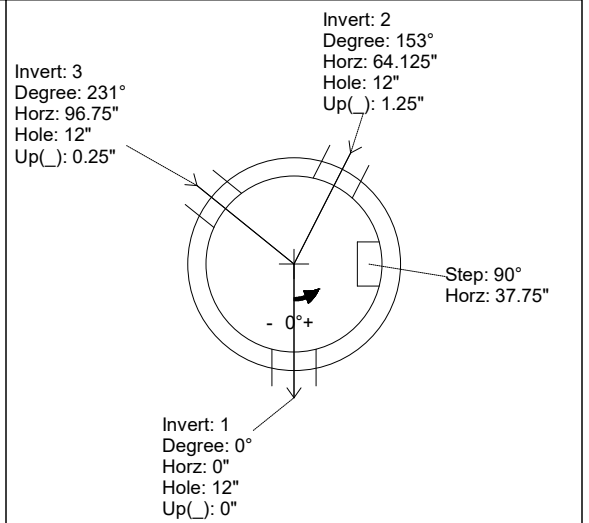
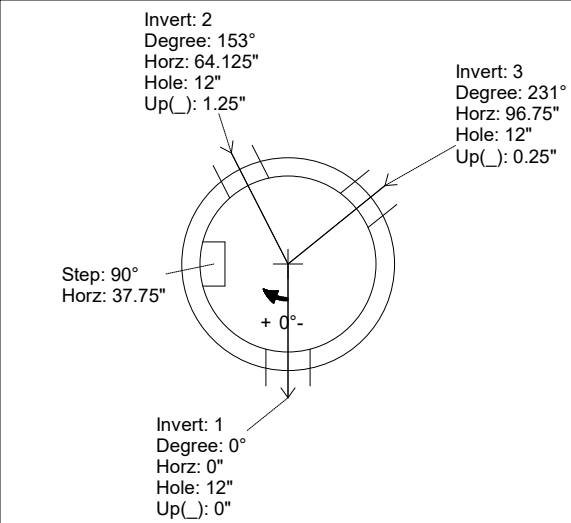
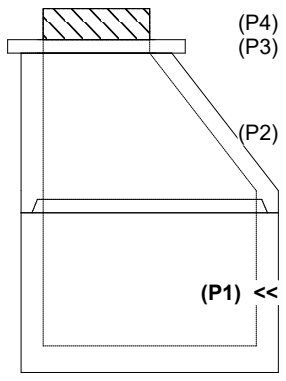
 REINFORCING PER ASTM A615 (GRADE 60).
 - CONE (As .12)
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 892.81' Rim to Invert: 6.18' Slack: 0.16" Sump: 2" Step Position: 90°

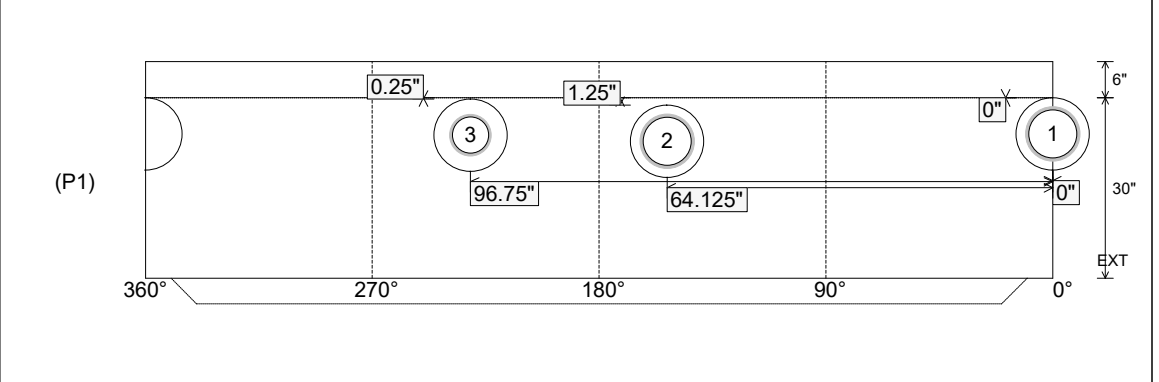
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	886.63'	0°	0"	8" PVC C900	9.05"	PSX 12M NYLO	12"	12.129"	0"	0"
Invert 2	886.73'	153°	77.5"	8" PVC C900	9.05"	PSX 12M NYLO	12"	12.129"	1.25"	0"
Invert 3	886.73'	231°	116.875"	6" PVC C900	6.9"	PSX 12-06 NYLO	12"	12.129"	0.25"	0"
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): 30" Height (Ext): 36"	Weight (Net): 3282 lb Volume (Net): 0.84cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 25-4733 - The Paddock
 Job Location: Springfield, KY
 Contractor: Core & Main LP (Lou)

Plant: 100
 5/14/2026 1:08:52 PM

Tech: Jared - F
 PC: T. Lewis



Structure ID: SSWR-6

P1 MH048BA30

MH BASE T/n

- P4) 24" - CASTING HEIGHT - 7"
- P3) 24" - GRADE RING F/F - 3"
- P2) 48" - ECC CONE w/ 24" HOLE F/G - 36"
- P1) 48" - MH BASE T/n - 30"
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) 48" - MH INVERT CHANNEL - FULL HEIGHT
- 1) CASTING - HOE MC-315 F/C Sanitary
- 1) 48" - Conseal CS-102 1.00" (Double)
- 2) PSX - 12M NYLO
- 1) PSX - 12-06 NYLO
- 5) MH Step ML-10-TDS-NCR - 10"

0 lb
 202 lb
 3000 lb
 3282 lb
 0 lb
 0 lb
 1440 lb
 258 lb
 0 lb
 16 lb
 8 lb
 0 lb

 Structure Total: 8207 lb

Structure Notes:
 1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. CASTING BY ICAST (HOE MC-315 F/C SANITARY).

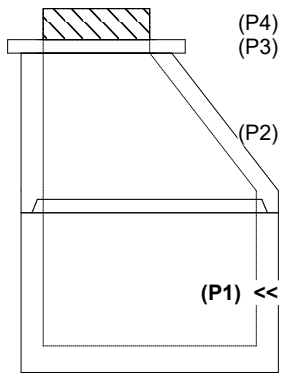
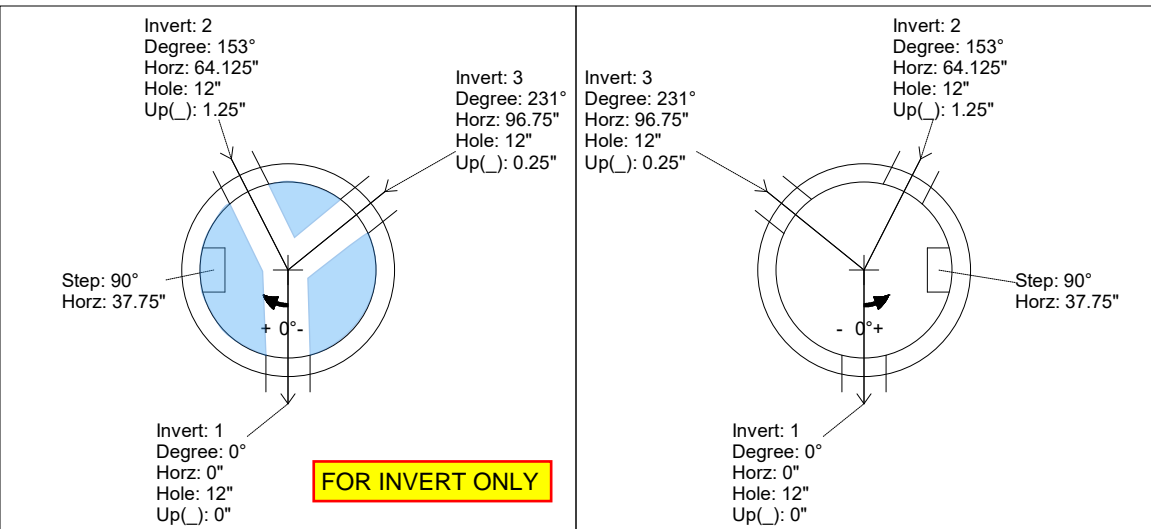
 REINFORCING PER ASTM A615 (GRADE 60).
 - CONE (As .12)
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 892.81' Rim to Invert: 6.18' Slack: 0.16" Sump: 2" Step Position: 90°

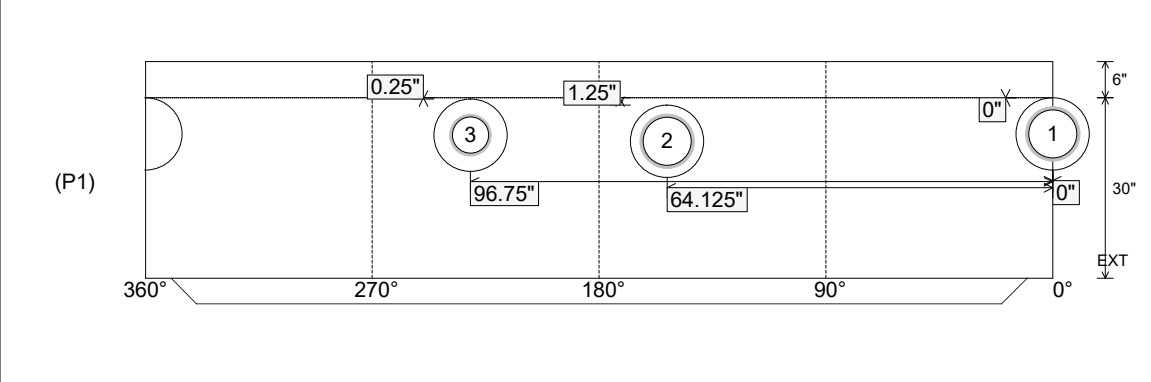
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	886.63'	0°	0"	8" PVC C900	9.05"	PSX 12M NYLO	12"	12.129"	0"	0"
Invert 2	886.73'	153°	77.5"	8" PVC C900	9.05"	PSX 12M NYLO	12"	12.129"	1.25"	0"
Invert 3	886.73'	231°	116.875"	6" PVC C900	6.9"	PSX 12-06 NYLO	12"	12.129"	0.25"	0"
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): 30" Height (Ext): 36"	Weight (Net): 3282 lb Volume (Net): 0.84cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 25-4733 - The Paddock
 Job Location: Springfield, KY
 Contractor: Core & Main LP (Lou)

Plant: 100
 5/14/2026 1:08:51 PM

Tech: Jared - F
 PC: T. Lewis



Structure ID: SSWR-5

P1 MH048BA30

MH BASE T/n

- P3) 24" - CASTING HEIGHT - 7"
- P2) 48" - ECC CONE w/ 24" HOLE F/G - 36"
- P1) 48" - MH BASE T/n - 30"
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) 48" - MH INVERT CHANNEL - FULL HEIGHT
- 1) CASTING - HOE MC-315 F/C Sanitary
- 1) 48" - Conseal CS-102 1.00" (Double)
- 2) PSX - 12M NYLO
- 5) MH Step ML-10-TDS-NCR - 10"

0 lb
 3000 lb
 3330 lb
 0 lb
 0 lb
 1440 lb
 258 lb
 0 lb
 16 lb
 0 lb

 Structure Total: 8044 lb

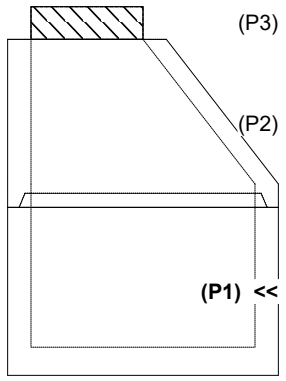
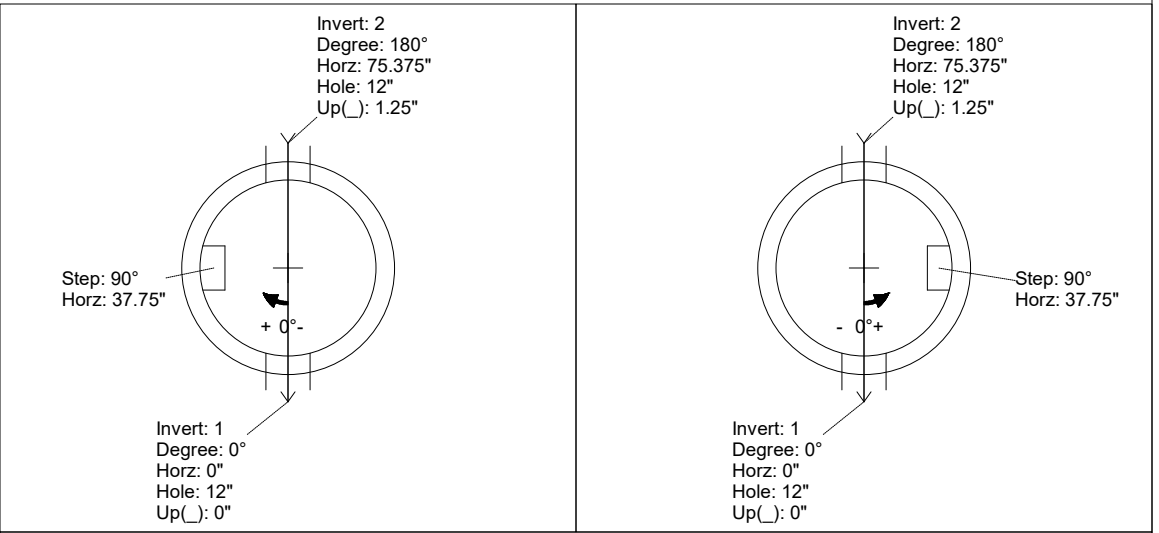
Structure Notes:
 1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. CASTING BY ICAST (HOE MC-315 F/C SANITARY).
 REINFORCING PER ASTM A615 (GRADE 60).
 - CONE (As .12)
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 890.4' Rim to Invert: 6.12' Slack: 2.44" Sump: 2" Step Position: 90°

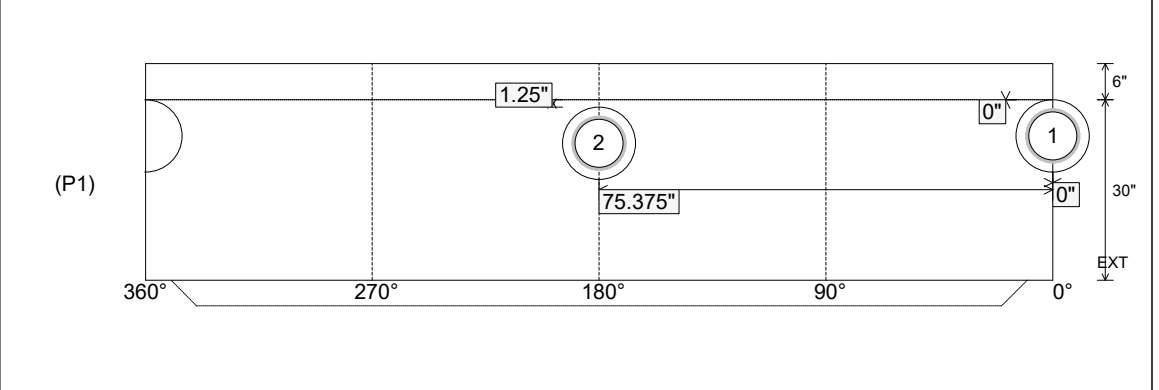
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset
Invert 1	884.28'	0°	0"	8" PVC C900	9.05"	PSX 12M NYLO	12"	12.129"	0"	0"
Invert 2	884.38'	180°	91.125"	8" PVC C900	9.05"	PSX 12M NYLO	12"	12.129"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
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): 30" Height (Ext): 36"	Weight (Net): 3330 lb Volume (Net): 0.85cu.yd
----------------------------------	---------------------------------	--	--	--

Job Name: 25-4733 - The Paddock
 Job Location: Springfield, KY
 Contractor: Core & Main LP (Lou)

Plant: 100
 5/14/2026 1:08:51 PM

Tech: Jared - F
 PC: T. Lewis



Structure ID: SSWR-5

P1 MH048BA30

MH BASE T/n

- P3) 24" - CASTING HEIGHT - 7"
- P2) 48" - ECC CONE w/ 24" HOLE F/G - 36"
- P1) 48" - MH BASE T/n - 30"
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) 48" - MH INVERT CHANNEL - FULL HEIGHT
- 1) CASTING - HOE MC-315 F/C Sanitary
- 1) 48" - Conseal CS-102 1.00" (Double)
- 2) PSX - 12M NYLO
- 5) MH Step ML-10-TDS-NCR - 10"

0 lb
 3000 lb
 3330 lb
 0 lb
 0 lb
 1440 lb
 258 lb
 0 lb
 16 lb
 0 lb

 Structure Total: 8044 lb

Structure Notes:
 1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. CASTING BY ICAST (HOE MC-315 F/C SANITARY).

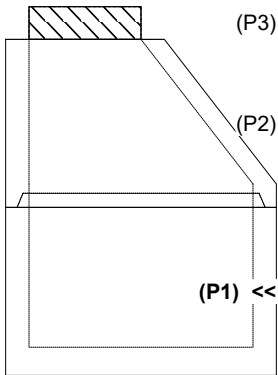
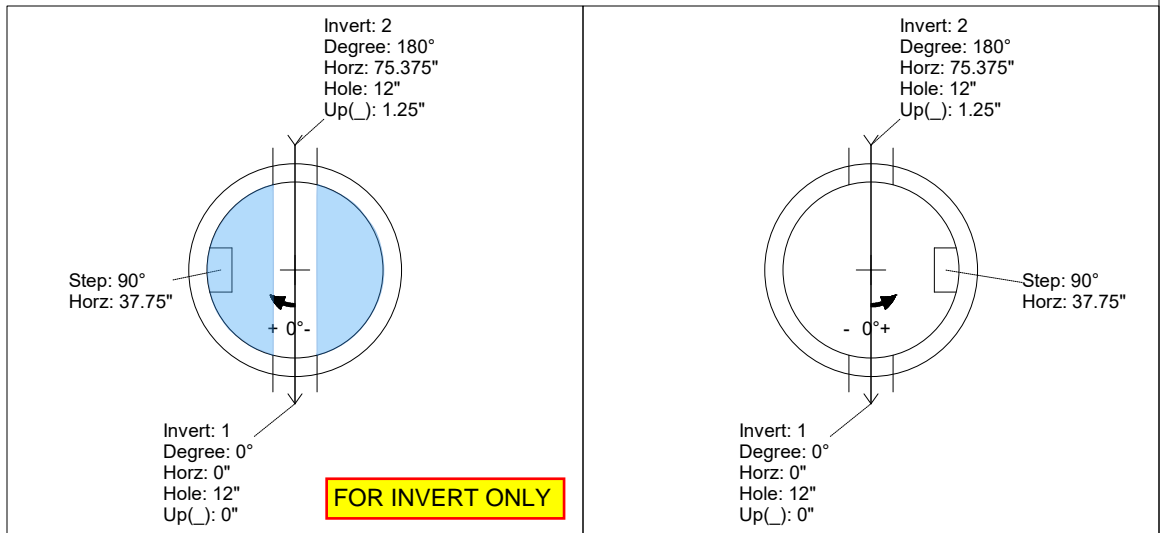
 REINFORCING PER ASTM A615 (GRADE 60).
 - CONE (As .12)
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 890.4' Rim to Invert: 6.12' Slack: 2.44" Sump: 2" Step Position: 90°

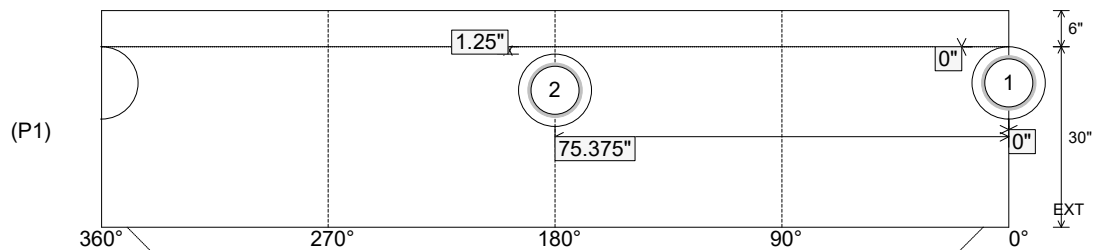
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset
Invert 1	884.28'	0°	0"	8" PVC C900	9.05"	PSX 12M NYLO	12"	12.129"	0"	0"
Invert 2	884.38'	180°	91.125"	8" PVC C900	9.05"	PSX 12M NYLO	12"	12.129"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
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): 30"
 Height (Ext): 36"

Weight (Net): 3330 lb
 Volume (Net): 0.85cu.yd

Job Name: 25-4733 - The Paddock
 Job Location: Springfield, KY
 Contractor: Core & Main LP (Lou)

Plant: 100
 5/14/2026 1:08:50 PM

Tech: Jared - F
 PC: T. Lewis



Structure ID: SSWR-4

P1 MH048BA30

MH BASE T/n

- P3) 24" - CASTING HEIGHT - 7"
- P2) 48" - ECC CONE w/ 24" HOLE F/G - 36"
- P1) 48" - MH BASE T/n - 30"
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) 48" - MH INVERT CHANNEL - FULL HEIGHT
- 1) CASTING - HOE MC-315 F/C Sanitary
- 1) 48" - Conseal CS-102 1.00" (Double)
- 1) 24" - Conseal CS-102 1.00" (Double)
- 2) PSX - 12M NYLO
- 5) MH Step ML-10-TDS-NCR - 10"

0 lb
 3000 lb
 3330 lb
 0 lb
 0 lb
 1440 lb
 258 lb
 0 lb
 0 lb
 0 lb
 16 lb
 0 lb

- Structure Notes:**
1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. CASTING BY ICAST (HOE MC-315 F/C SANITARY).

REINFORCING PER ASTM A615 (GRADE 60).
 - CONE (As .12)
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

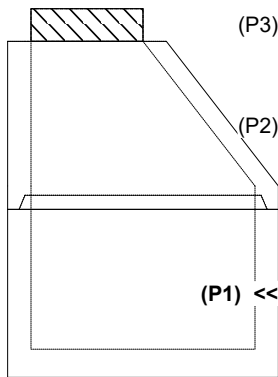
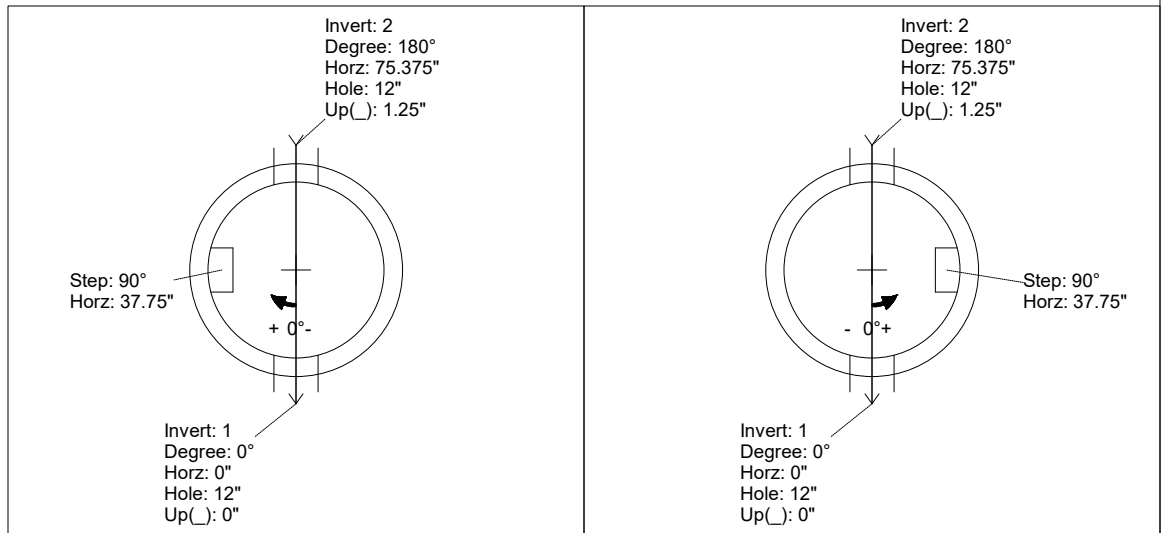
Structure Total: 8044 lb

Rim: 888.1' Rim to Invert: 6.08' Slack: 1.96" Sump: 2" Step Position: 90°

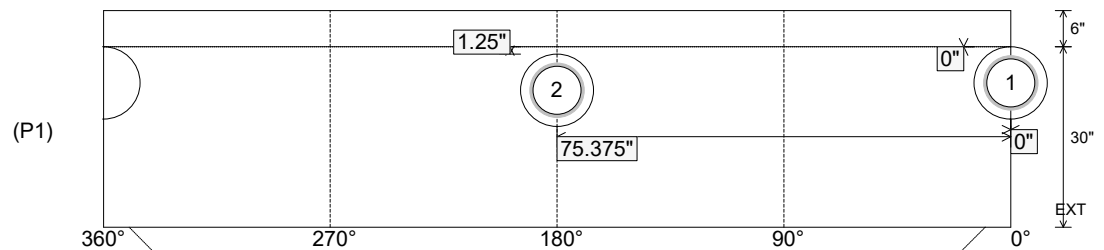
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset
Invert 1	882.02'	0°	0"	8" PVC C900	9.05"	PSX 12M NYLO	12"	12.129"	0"	0"
Invert 2	882.12'	180°	91.125"	8" PVC C900	9.05"	PSX 12M NYLO	12"	12.129"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
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): 30"
 Height (Ext): 36"

Weight (Net): 3330 lb
 Volume (Net): 0.85cu.yd

Job Name: 25-4733 - The Paddock
 Job Location: Springfield, KY
 Contractor: Core & Main LP (Lou)

Plant: 100
 5/14/2026 1:08:50 PM

Tech: Jared - F
 PC: T. Lewis



Structure ID: SSWR-4

P1 MH048BA30

MH BASE T/n

- P3) 24" - CASTING HEIGHT - 7"
- P2) 48" - ECC CONE w/ 24" HOLE F/G - 36"
- P1) 48" - MH BASE T/n - 30"
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) 48" - MH INVERT CHANNEL - FULL HEIGHT
- 1) CASTING - HOE MC-315 F/C Sanitary
- 1) 48" - Conseal CS-102 1.00" (Double)
- 1) 24" - Conseal CS-102 1.00" (Double)
- 2) PSX - 12M NYLO
- 5) MH Step ML-10-TDS-NCR - 10"

0 lb
 3000 lb
 3330 lb
 0 lb
 0 lb
 1440 lb
 258 lb
 0 lb
 0 lb
 16 lb
 0 lb

 Structure Total: 8044 lb

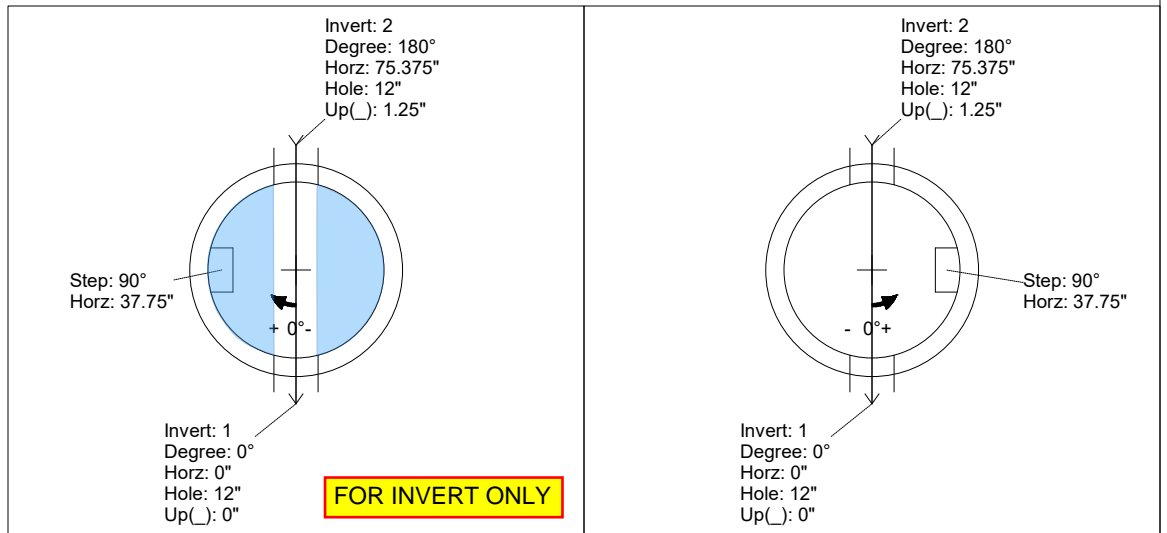
Structure Notes:
 1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. CASTING BY ICAST (HOE MC-315 F/C SANITARY).
 REINFORCING PER ASTM A615 (GRADE 60).
 - CONE (As .12)
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 888.1' Rim to Invert: 6.08' Slack: 1.96" Sump: 2" Step Position: 90°

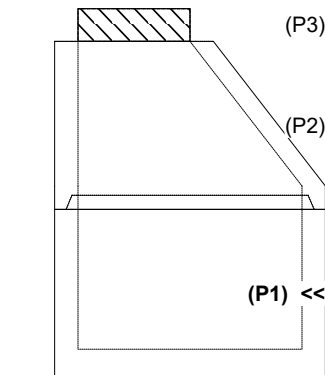
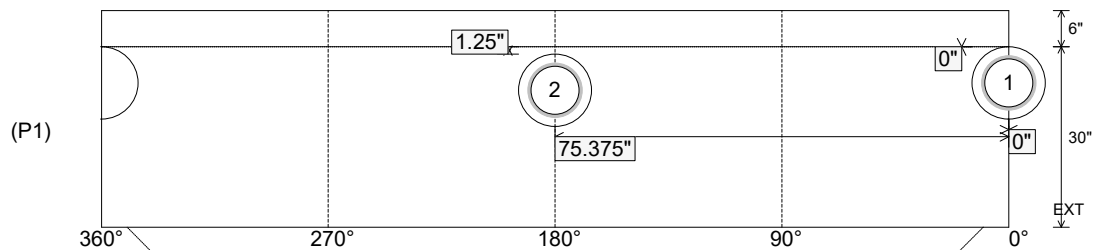
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset
Invert 1	882.02'	0°	0"	8" PVC C900	9.05"	PSX 12M NYLO	12"	12.129"	0"	0"
Invert 2	882.12'	180°	91.125"	8" PVC C900	9.05"	PSX 12M NYLO	12"	12.129"	1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
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): 30"
 Height (Ext): 36"

Weight (Net): 3330 lb
 Volume (Net): 0.85cu.yd

Job Name: 25-3452 - Churchill Downs Skye Terrace Improvements
 Job Location: Louisville, KY 40208
 Contractor: Louisville Paving and Construction

Plant: 100
 4/30/2026 1:21:48 PM

Tech: Jared - F
 PC: J. Jarvis



Structure ID: S205

P1 MH048BAVF

MH BASE Custom Ht T/n

- P3) 32" x 32" - CASTING HEIGHT - 3"
- P2) 48" - MH FLAT TOP w/32"x32" Hole F/G - 12"
- P1) 48" - MH BASE Custom Ht T/n - 32"
- 1) CASTING - HOE 595 F/G
- 1) 48" - Conseal CS-102 1.00"
- 1) 32" x 32" - Conseal CS-102 1.00"
- 1) Hole - 20
- 2) Hole - 16

0 lb
 1629 lb
 3259 lb
 376 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
 Structure Total: 5264 lb

Structure Notes:
 1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO STEPS AND NO INVERT CHANNEL.
 4. CASTING BY ICAST (HOE 595 F/G)

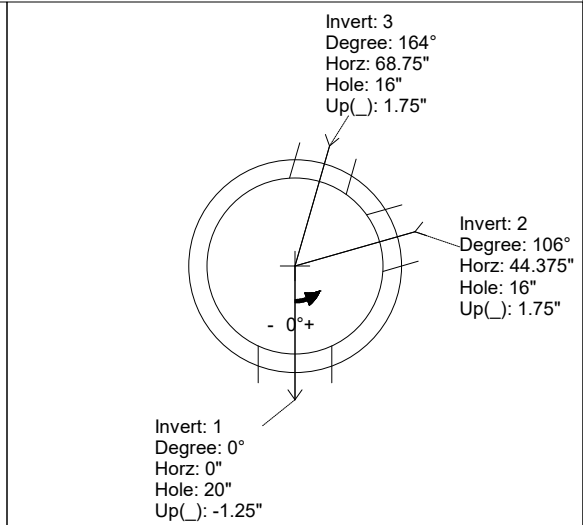
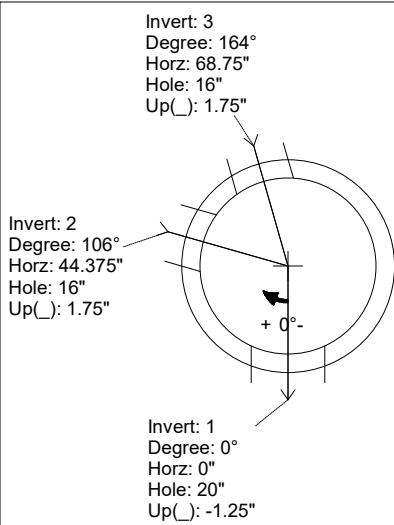
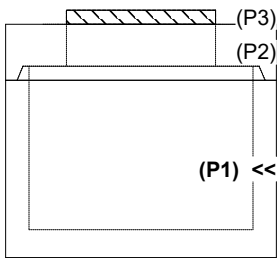
REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 454' Rim to Invert: 3.94' Slack: 0.28" Sump: 0" Step Position:

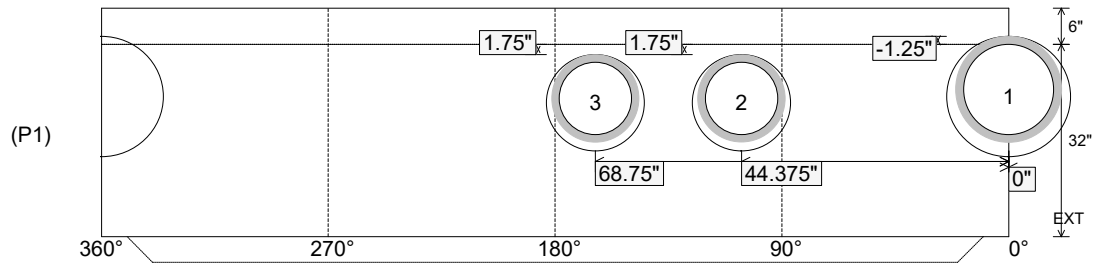
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	450.06'	0°	0"	15" HDPE	17.6"	Hole 20	20"	20.629"	-1.25"	0"
Invert 2	450.31'	106°	53.625"	12" HDPE	14.5"	Hole 16	16"	16.312"	1.75"	0"
Invert 3	450.31'	164°	83"	12" HDPE	14.5"	Hole 16	16"	16.312"	1.75"	0"
Invert 4										
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): 32"
 Height (Ext): 38"

Weight (Net): 3259 lb
 Volume (Net): 0.83cu.yd

Job Name: 25-3452 - Churchill Downs Skye Terrace Improvements
 Job Location: Louisville, KY 40208
 Contractor: Louisville Paving and Construction

Plant: 100
 4/30/2026 1:21:47 PM

Tech: Jared - F
 PC: J. Jarvis



Structure ID: S204

P1 MH048BAVF

MH BASE Custom Ht T/n

- P3) 32" x 32" - CASTING HEIGHT - 3"
- P2) 48" - MH FLAT TOP w/32"x32" Hole F/G - 12"
- P1) 48" - MH BASE Custom Ht T/n - 21"
- 1) CASTING - HOE 595 F/G
- 1) 48" - Conseal CS-102 1.00"
- 1) 32" x 32" - Conseal CS-102 1.00"
- 1) Hole - 16

0 lb
 1629 lb
 2712 lb
 376 lb
 0 lb
 0 lb
 0 lb

 Structure Total: 4717 lb

Structure Notes:
 1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO STEPS AND NO INVERT CHANNEL.
 4. CASTING BY ICAST (HOE 595 F/G)

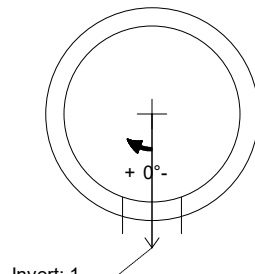
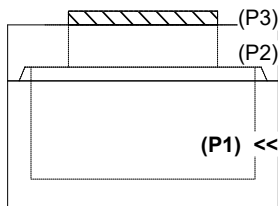
REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 454' Rim to Invert: 3' Slack: 0" Sump: 0" Step Position:

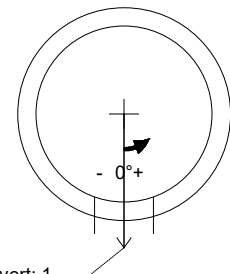
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	451'	0°	0"	12" HDPE	14.5"	Hole 16	16"	16.312"	-1.25"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)

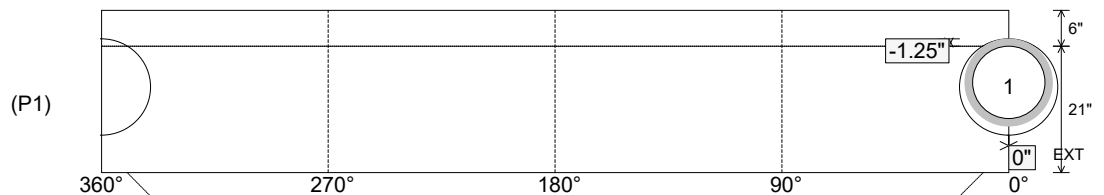


Invert: 1
 Degree: 0°
 Horz: 0"
 Hole: 16"
 Up(): -1.25"



Invert: 1
 Degree: 0°
 Horz: 0"
 Hole: 16"
 Up(): -1.25"

INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Tongue
 Seam Dn: n/a

Wall Thickness: 5"
 Floor Height: 6"

Height (Int): 21"
 Height (Ext): 27"

Weight (Net): 2712 lb
 Volume (Net): 0.69cu.yd

Job Name: 25-3452 - Churchill Downs Skye Terrace Improvements
 Job Location: Louisville, KY 40208
 Contractor: Louisville Paving and Construction

Plant: 100
 4/30/2026 1:23:03 PM

Tech: Jared - F
 PC: J. Jarvis



Structure ID: S212

P2 MH048LD12S

MH FLAT TOP w/32"x32" Hole F/G

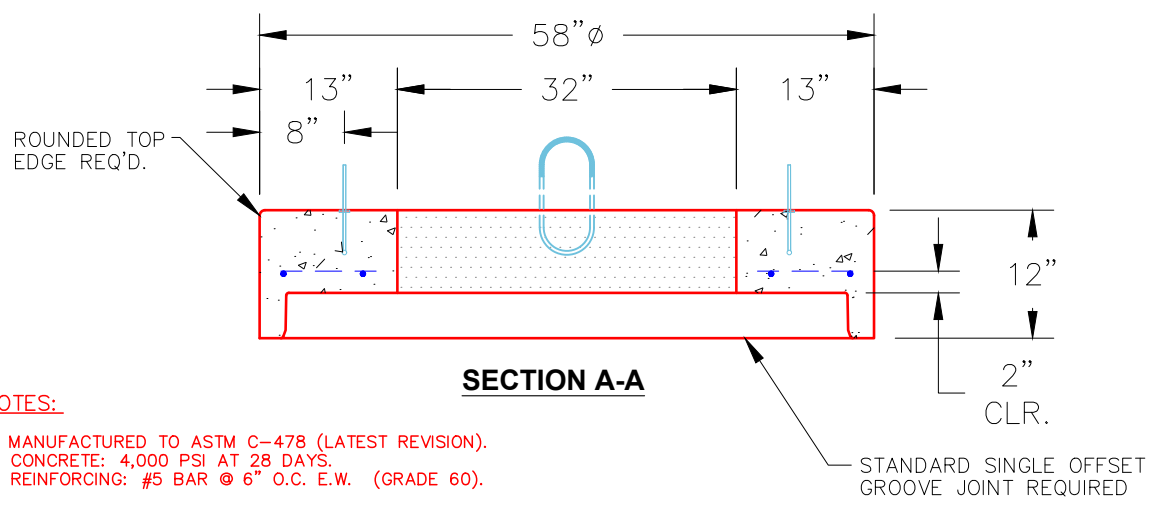
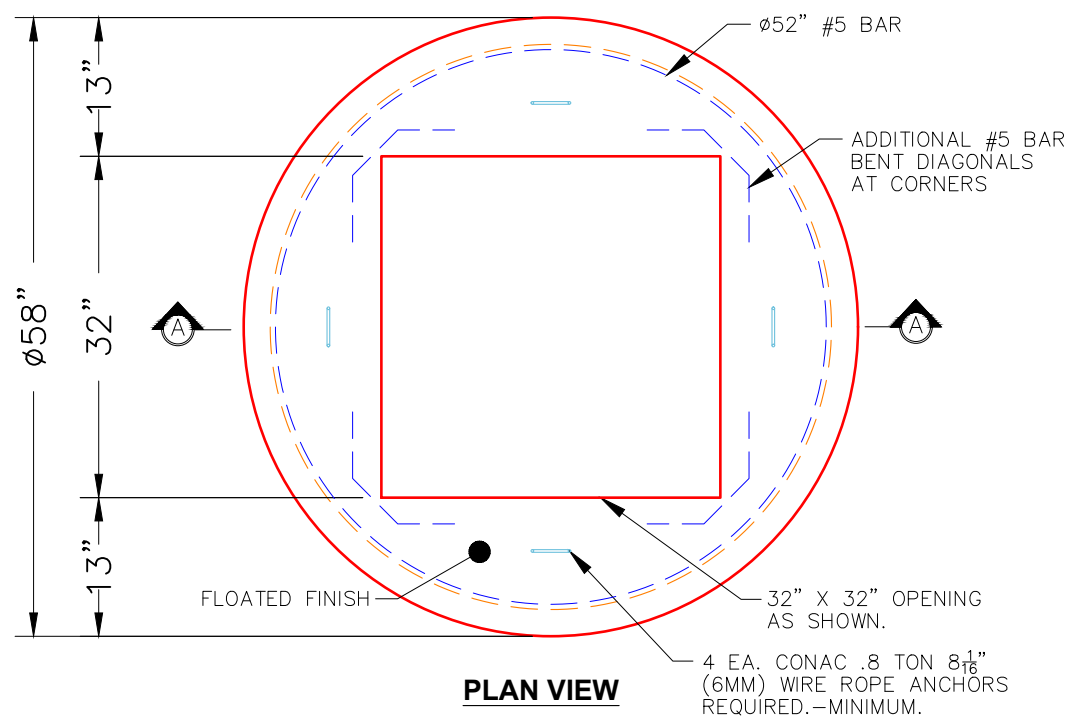
- P3) 32" x 32" - CASTING HEIGHT - 3"
- P2) 48" - MH FLAT TOP w/32"x32" Hole F/G - 12"
- P1) 48" - MH BASE Custom Ht T/n - 21"
- 1) CASTING - HOE 595 F/G
- 1) 48" - Conseal CS-102 1.00"
- 1) 32" x 32" - Conseal CS-102 1.00"
- 1) Hole - 16

0 lb
 1629 lb
 2712 lb
 376 lb
 0 lb
 0 lb
 0 lb

 Structure Total: 4717 lb

Structure Notes:
 1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO STEPS AND NO INVERT CHANNEL.
 4. CASTING BY ICAST (HOE 595 F/G)

REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.



- NOTES:**
1. MANUFACTURED TO ASTM C-478 (LATEST REVISION).
 2. CONCRETE: 4,000 PSI AT 28 DAYS.
 3. REINFORCING: #5 BAR @ 6" O.C. E.W. (GRADE 60).

Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 5"	Height (Ext): 12"	Weight (Net): 1629 lb Volume (Net): 0.42cu.yd
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Job Name: 25-3452 - Churchill Downs Skye Terrace Improvements
 Job Location: Louisville, KY 40208
 Contractor: Louisville Paving and Construction

Plant: 100
 4/30/2026 1:21:49 PM

Tech: Jared - F
 PC: J. Jarvis



Structure ID: S207

P1 MH048BAVF

MH BASE Custom Ht T/n

- P3) 24" - CASTING HEIGHT - 7"
- P2) 48" - ECC CONE w/ 24" HOLE F/G - 36"
- P1) 48" - MH BASE Custom Ht T/n - 53"
- 1) CASTING - HOE MC-420 F/C Storm
- 1) 48" - Conseal CS-102 1.00"
- 1) Hole - 30
- 1) Hole - 20
- 1) Hole - 16
- 7) MH Step ML-10-TDS-NCR - 10"

0 lb
 3000 lb
 4496 lb
 340 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
 Structure Total: 7836 lb

Structure Notes:
 1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO INVERT CHANNEL.
 4. CASTING BY ICAST (HOE MC-420 F/C STORM)

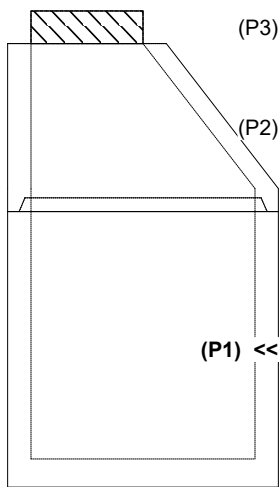
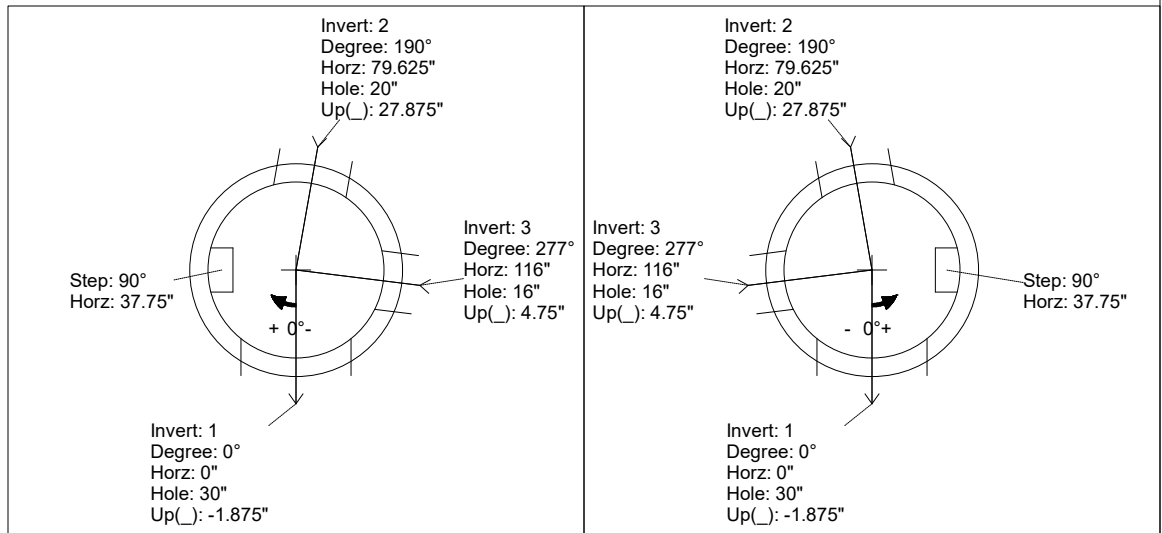
REINFORCING PER ASTM A615 (GRADE 60).
 - CONE (As .12)
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 454.81' Rim to Invert: 8.05' Slack: 0.6" Sump: 0" Step Position: 90°

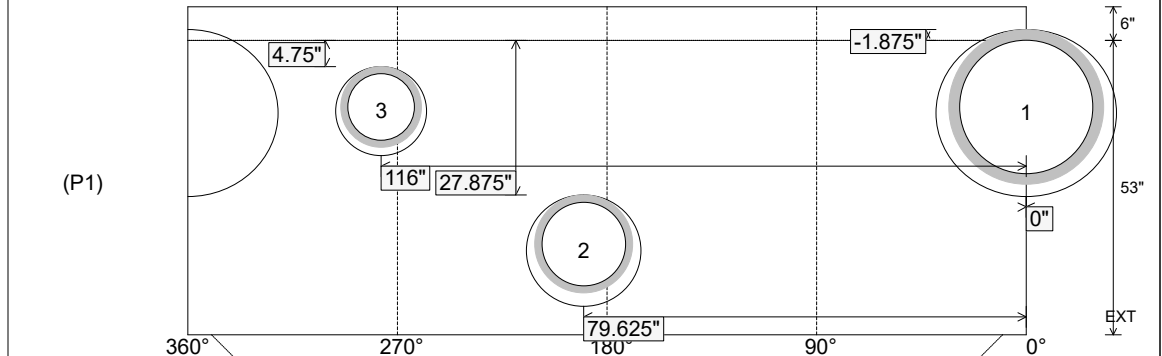
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	446.76'	0°	0"	24" HDPE	27.8"	Hole 30	30"	32.406"	-1.875"	0"
Invert 2	449.19'	190°	96.125"	15" HDPE	17.6"	Hole 20	20"	20.629"	27.875"	0"
Invert 3	447.26'	277°	140.25"	12" HDPE	14.5"	Hole 16	16"	16.312"	4.75"	0"
Invert 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): 53" Height (Ext): 59"	Weight (Net): 4496 lb Volume (Net): 1.15cu.yd
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Job Name: 25-3452 - Churchill Downs Skye Terrace Improvements
 Job Location: Louisville, KY 40208
 Contractor: Louisville Paving and Construction

Plant: 100
 4/30/2026 1:21:53 PM

Tech: Jared - F
 PC: J. Jarvis



Structure ID: S213

P1 MH060BAVF

MH BASE Custom Ht T/n

- P5) 24" - CASTING HEIGHT - 7"
- P4) 24" - GRADE RING F/F - 4"
- P3) 60" - MH FLAT TOP w/ 24" ECC Hole F/G - 13"
- P2) 60" - MH RISER T/G - 36"
- P1) 60" - MH BASE Custom Ht T/n - 43"
- 1) CASTING - HOE MC-420 F/C Storm
- 2) 60" - Conseal CS-102 1.00"
- 2) Hole - 30
- 1) Hole - 16
- 7) MH Step ML-10-TDS-NCR - 10"

0 lb
 270 lb
 2869 lb
 3656 lb
 6482 lb
 340 lb
 0 lb
 0 lb
 0 lb
 0 lb

 Structure Total: 13617 lb

Structure Notes:
 1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO INVERT CHANNEL.
 4. CASTING BY ICAST (HOE MC-420 F/C STORM)

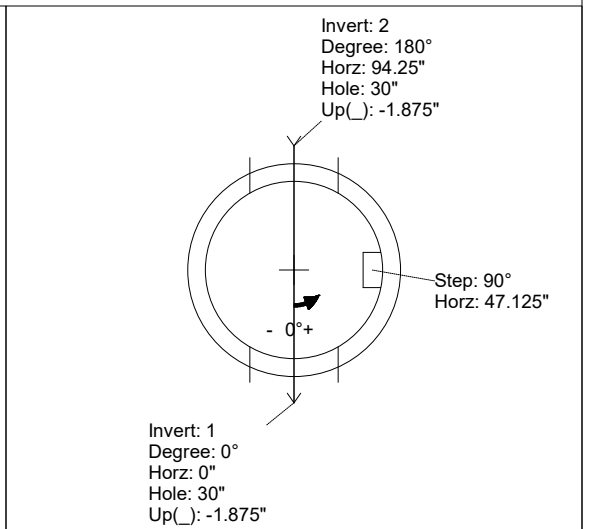
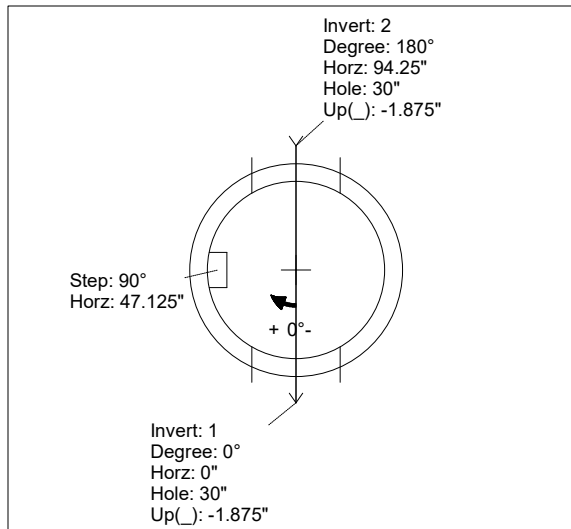
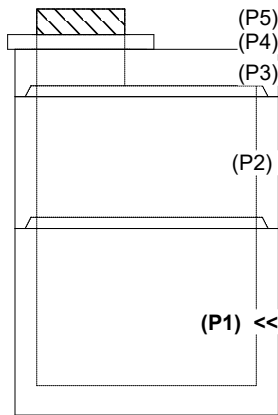
REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
 - RISER/WALLS (As .18)
 - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

Rim: 454.46' Rim to Invert: 8.66' Slack: 0.92" Sump: 0" Step Position: 90°

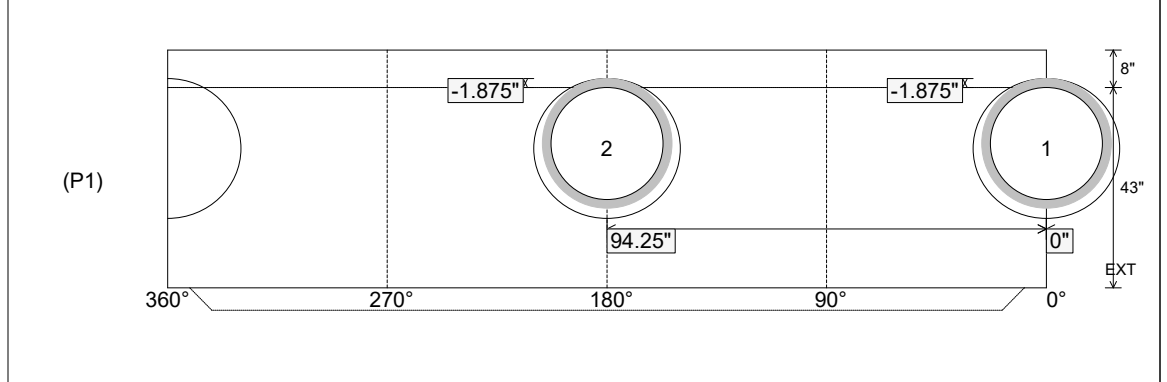
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	445.8'	0°	0"	24" HDPE	27.8"	Hole 30	30"	31.416"	-1.875"	0"
Invert 2	445.8'	180°	113.125"	24" HDPE	27.8"	Hole 30	30"	31.416"	-1.875"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
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: 6" Floor Height: 8"	Height (Int): 43" Height (Ext): 51"	Weight (Net): 6482 lb Volume (Net): 1.66cu.yd
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Job Name: 25-3452 - Churchill Downs Skye Terrace Improvements
 Job Location: Louisville, KY 40208
 Contractor: Louisville Paving and Construction

Plant: 100
 4/30/2026 1:21:52 PM

Tech: Jared - F
 PC: J. Jarvis



Structure ID: S211

P1 MH060BAVF

MH BASE Custom Ht T/n

P4) 32" x 32" - CASTING HEIGHT - 3"	0 lb
P3) 60" - MH FLAT TOP w/32"x32" Hole F/G - 13"	2369 lb
P2) 60" - MH RISER T/G - 18"	1854 lb
P1) 60" - MH BASE Custom Ht T/n - 64"	8514 lb
1) CASTING - HOE 595 F/G	376 lb
2) 60" - Conseal CS-102 1.00"	0 lb
1) 32" x 32" - Conseal CS-102 1.00"	0 lb
2) Hole - 30	0 lb
1) Hole - 20	0 lb
1) Hole - 8	0 lb
Structure Total:	13112 lb

Structure Notes:
 1. PER ASTM C478 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO STEPS AND NO INVERT CHANNEL.
 4. CASTING BY ICAST (HOE 595 F/G)

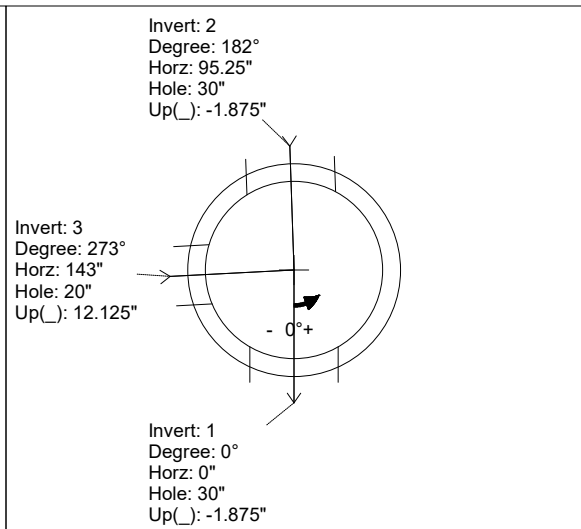
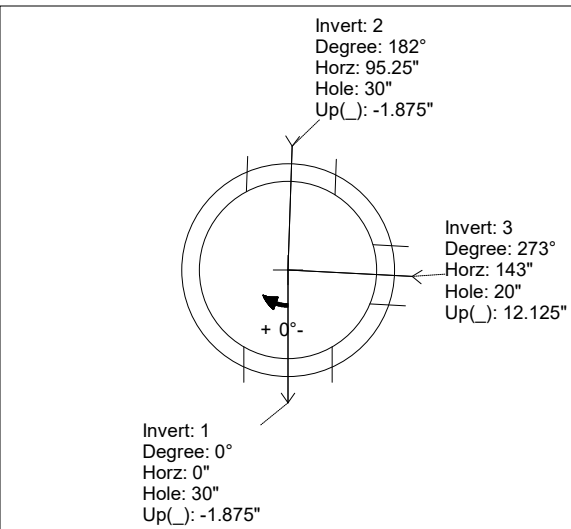
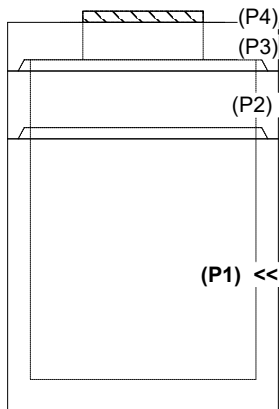
REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..
 - RISER/WALLS (As .18)
 - FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

Rim: 454.52' Rim to Invert: 8.48' Slack: 3.76" Sump: 0" Step Position:

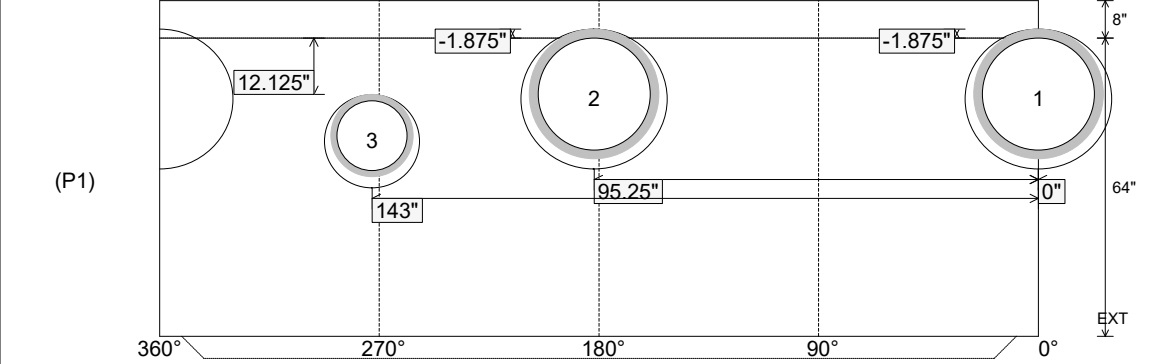
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	446.04'	0°	0"	24" HDPE	27.8"	Hole 30	30"	31.416"	-1.875"	0"
Invert 2	446.04'	182°	114.375"	24" HDPE	27.8"	Hole 30	30"	31.416"	-1.875"	0"
Invert 3	447.16'	273°	171.5"	15" HDPE	17.6"	Hole 20	20"	20.39"	12.125"	0"
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: 6" Floor Height: 8"	Height (Int): 64" Height (Ext): 72"	Weight (Net): 8514 lb Volume (Net): 2.17cu.yd
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Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements
 Job Location: Fort Mitchell, KY 41017
 Contractor: Lykins Contracting

Plant: 100

3/27/2026 11:39:50 AM

Tech: J. Horsley - A

PC: Celina Goff



Structure ID: 2301541

P2 MH060TS15-48ECC

MH Transition Slab 48" Hole T/G

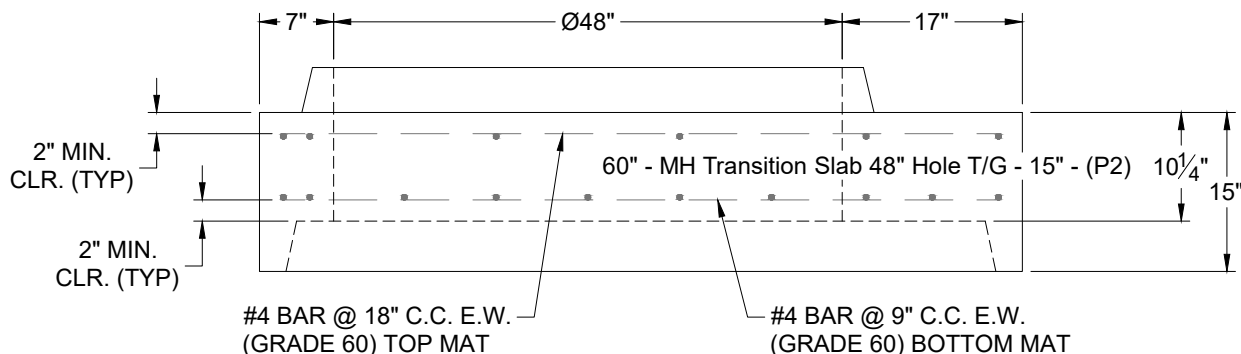
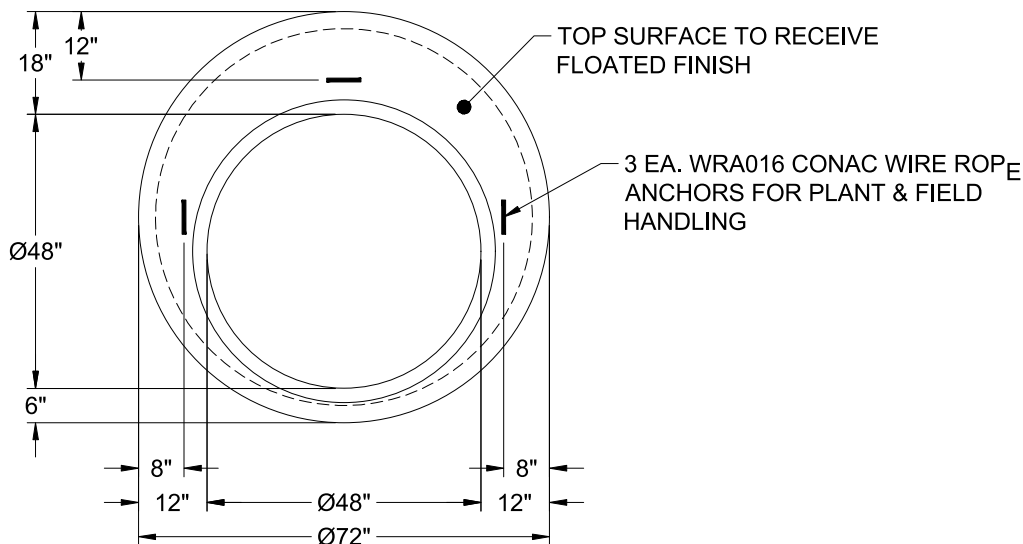
- P6) 24" - CASTING HEIGHT - 7"
- P5) 48" - CON CONE w/24" HOLE F/G - 24"
- P4) 48" - MH RISER T/G - 60"
- P3) 48" - MH RISER T/G - 60"
- P2) 60" - MH Transition Slab 48" Hole T/G - 15"
- P1) 60" - MH BASE (10"F) Custom Ht T/n - 62"
- 1) 60" - MH INVERT CHANNEL - FULL HEIGHT
- 1) 60" - Conseal CS-102 1.00" (Double)
- 3) 48" - Conseal CS-102 1.00" (Double)
- 2) A-Lok - 1235
- 17) MH Step ML-10-TDS-NCR - 10"

- 0 lb
- 2252 lb
- 4192 lb
- 4192 lb
- 2204 lb
- 8534 lb
- 2692 lb
- 0 lb
- 0 lb
- 2 lb
- 0 lb

Structure Total: 24068 lb

Structure Notes:

1. PER ASTM C-478 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT - 2" MIN. REBAR CLEARANCE (TYP):
 - TOP MAT: #4 BAR @ 18" C.C. E.W. (GRADE 60)
 - BOTTOM MAT: #4 BAR @ 9" C.C. E.W. (GRADE 60)
4. 7" CASTING SUPPLIED BY OTHERS
5. LIFTERS: 3 EA. WRA016 CONAC WIRE ROPE ANCHORS FOR PLANT & FIELD HANDLING
6. TOP SURFACE TO RECEIVE FLOATED FINISH



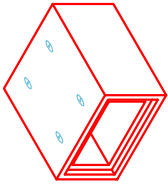
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 6"	Height (Ext): 15"	Weight (Net): 2204 lb Volume (Net): 0.56cu.yd
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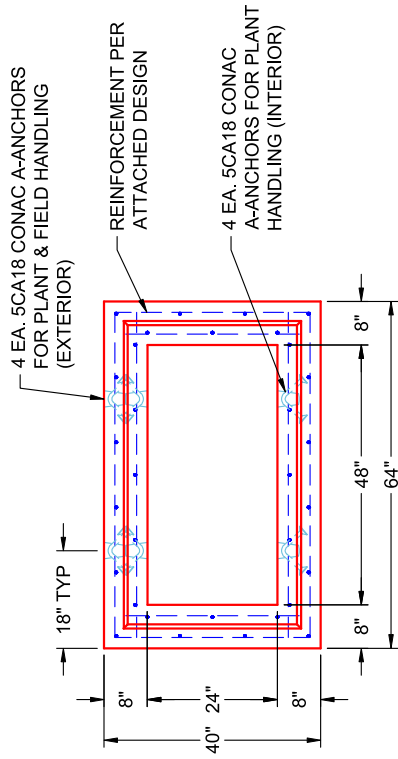
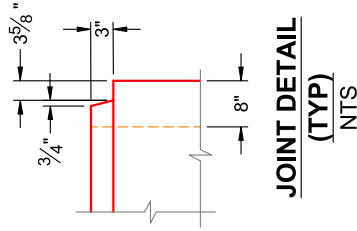
Structure ID: BC 4 x 2 (PC 8)

P1 BC048024-08WLF

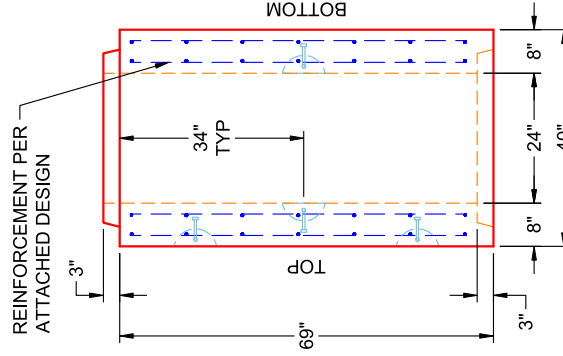
BOX CULVERT (08W/08F/08T) No Haunch G/T



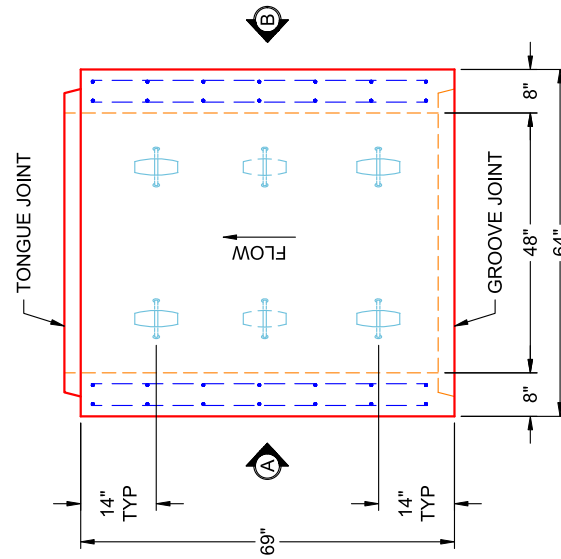
COMPONENT ISOMETRIC VIEW



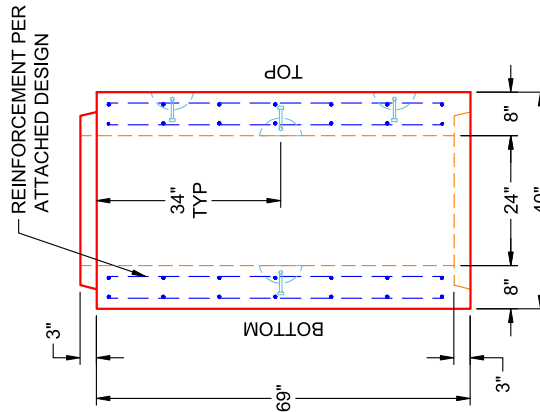
END VIEW TYPICAL



VIEW B PC 8 (UPRIGHT IN MOLD)



PLAN VIEW PC 8 (UPRIGHT IN MOLD)



VIEW A PC 8 (UPRIGHT IN MOLD)

- GENERAL NOTES:**
- MANUFACTURED TO ASTM C-1577 & SECTION 714 OF INDOT STANDARD SPECIFICATIONS FOR REINFORCED CONCRETE BOX STRUCTURES
 - LOAD REQUIREMENTS: HL93
 - REINFORCEMENT PER ATTACHED DESIGN
 - COVER DEPTH: 4'-8"
 - CONCRETE: 5,000 PSI AT 28 DAYS
 - JOINT SEALANT: 1" BUTYL MASTIC (CS-102) EXTERIOR JOINT WRAP: 12" WIDE (CS-212)
 - WEIGHT: 4' X 2' (48" X 24") RCBC = 1,418 LBS / LF (69" LONG SECTION = 8,152 LBS)

INFRASTRUCTURE PRECAST (ICAST)

Sht _____ of _____
 By: J. Horsley
 Ck: _____
 5/11/2026 4:10:17 PM
 p. 1 of 3

Project : Alcoa Outfall
 Task :
 Job No. : 25-2073

Client: Bowen Engineering Co
 File: 4x2 BC Four Sided (no haunch) - 25-2073 Alcoa Outfall

Spec.: LRFD 9th ed.
 Type of Culvert: Precast

Physical Dimensions

Clear Span: 4'-0"
 Clear Height: 2'-0"
 Top Slab: 8"
 Bottom Slab: 8"
 Ext. Wall: 8"
 Fill Depth Range
 Maximum: 7.99 ft
 Minimum: 4.00 ft
 Increment: 0.50 ft
 Length: 5'-9"
 Skew Angle: 0.00 deg
 Bottom Slab Support: Full Slab
 Top Haunch, Width: 0"
 Top Haunch, Height: 0"
 Bottom Haunch, Width: 0"
 Bottom Haunch, Height: 0"

Material Properties

Concrete
 Strength, f'c: 5.000 ksi
 Density: 0.150 kcf
 Elasticity, Ec: 3834 ksi
 Type: Normal wt
 Steel
 Yield, fy: 60 ksi
 Allow Stress: 36 ksi
 Elasticity, Es: 29000 ksi
 Soil
 Density: 0.120 kcf
 Exposure Factor
 Class 2 Exposure
 Reinforcement Covers
 Ext. Cover Top Slab: 2"
 Ext. Cover Bottom Slab: 1"
 Ext. Cover Walls: 1"
 Int. Cover Walls: 1"
 Int. Cover Top Slab: 1"
 Int. Cover Bottom Slab: 1"

Controlling Ratings

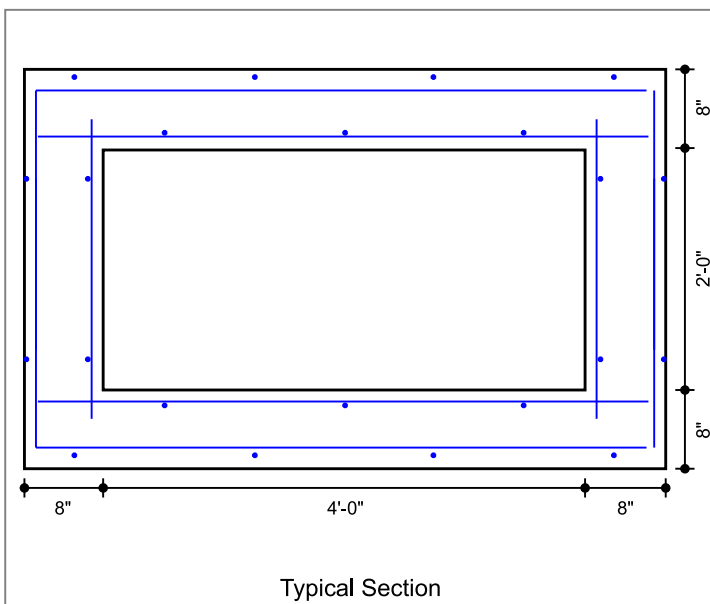
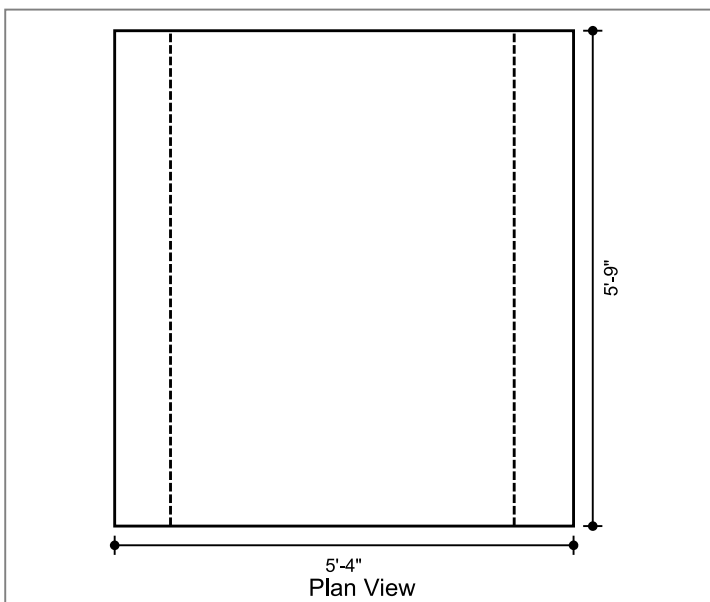
Inventory Rating: NaN
 Operating Rating: NaN

Loads

Live Load
 Vehicle Names: HL-93
 Traffic Direction: Parallel
 Eq. Height of Soil: Calculated
 Dead Load
 Future Wearing Surface: 0.000 klf
 Additional Dead Load: 0.000 klf
 Concentrated Loads: none

Lateral Soil Loads
 Eq. Fluid Press. Max: 60.00 pcf
 Eq. Fluid Press. Min: 30.00 pcf

Interior Water Pressure: yes, head pressure = 0 ft
 Exterior Water Pressure: no



INFRASTRUCTURE PRECAST (ICAST)

Sht _____ of _____

By: J. Horsley

Ck: _____

5/11/2026 4:10:17 PM

etc of 3

Project : Alcoa Outfall

Task :

Client: Bowen Engineering Co

Job No. : 25-2073

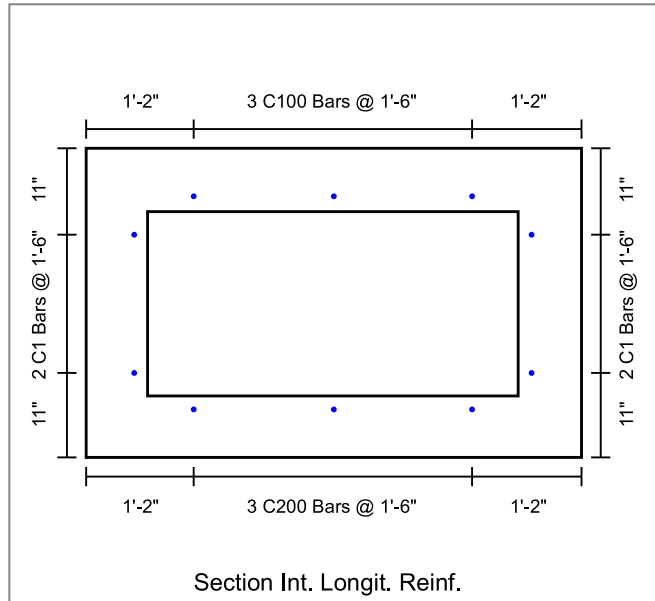
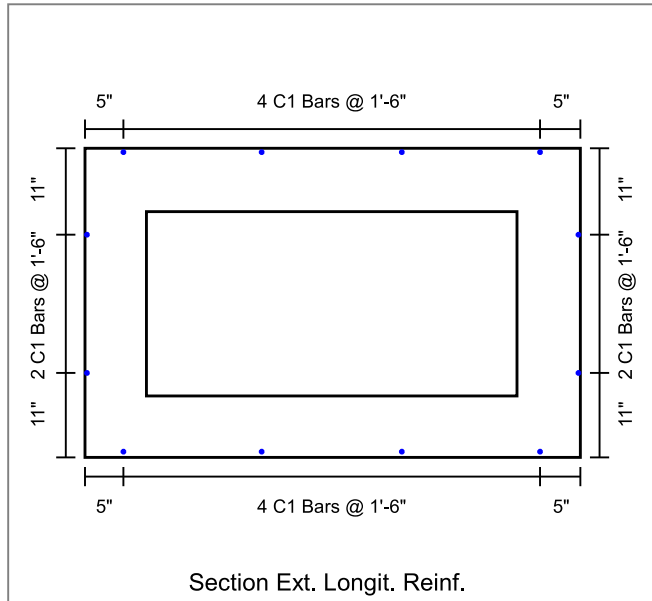
File: 4x2 BC Four Sided (no haunch) - 25-2073 Alcoa Outfall

Concrete Summary

Volume of Concrete: 0.362 cy/ft Total Volume of Concrete: 2.082 cy

Reinforcing Steel Bar Schedule (lb)

Location	Mark	Qty	Size	Spacing	Type	Length	Center	Ver.Leg	Tot.Weight
Top Slab(Int)	A100 (AS2)	6	4	1'-0"	S	5'-1"	--	--	20.0
Bot Slab(Int)	A200 (AS3)	6	4	1'-0"	S	5'-1"	--	--	20.0
Corner(Top)	A1 (AS1)	6	4	1'-0"	U	9'-5"	5'-1"	2'-2"	38.0
Corner(Bot)	A2 (AS1)	6	4	1'-0"	U	9'-7"	5'-1"	2'-3"	38.0
Wall(Int)	B1 (AS4)	12	4	1'-0"	S	2'-6"	--	--	20.0
Longit. Top (Int)	C100 (AS5)	3	3	1'-6"	S	5'-8"	--	--	6.0
Longit. Bot (Int)	C200	3	3	1'-6"	S	5'-8"	--	--	6.0
Longit. Top (Ext)	C1 (AS6)	4	3	1'-6"	S	5'-8"	--	--	8.6
Longit. Bot (Ext)	C1 (AS6)	4	3	1'-6"	S	5'-8"	--	--	8.6
Longit. Wall (Ext)	C1 (AS6)	4	3	1'-6"	S	5'-8"	--	--	8.6
Longit. Wall (Int)	C1 (AS6)	4	3	1'-6"	S	5'-8"	--	--	8.6
									182



INFRASTRUCTURE PRECAST (ICAST)

Sht _____ of _____

By: J. Horsley

Ck: _____

5/11/2026 4:10:17 PM

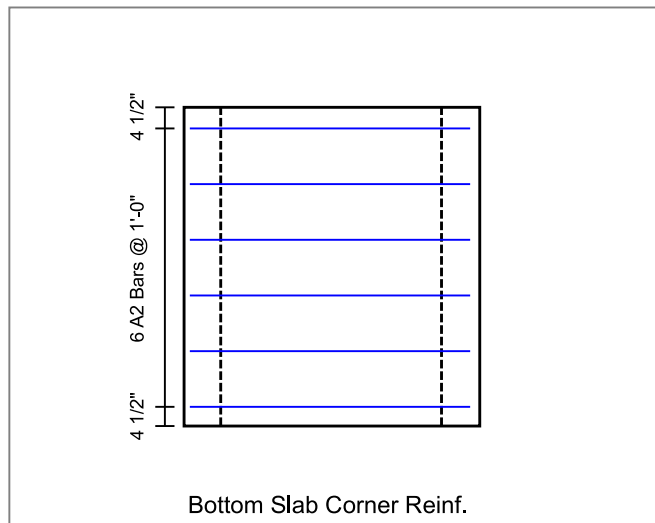
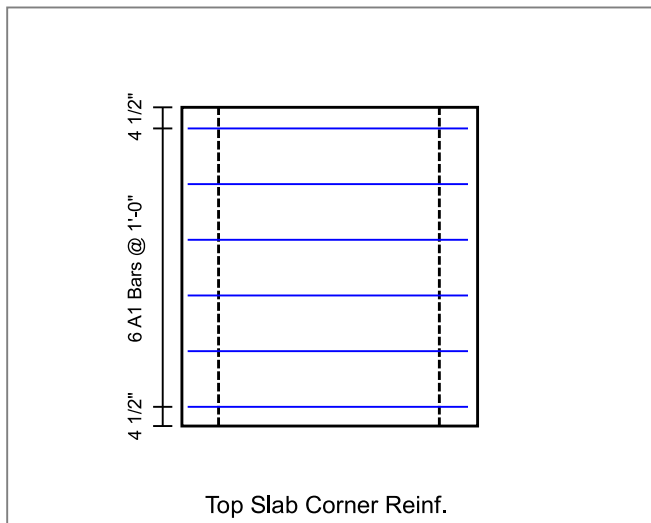
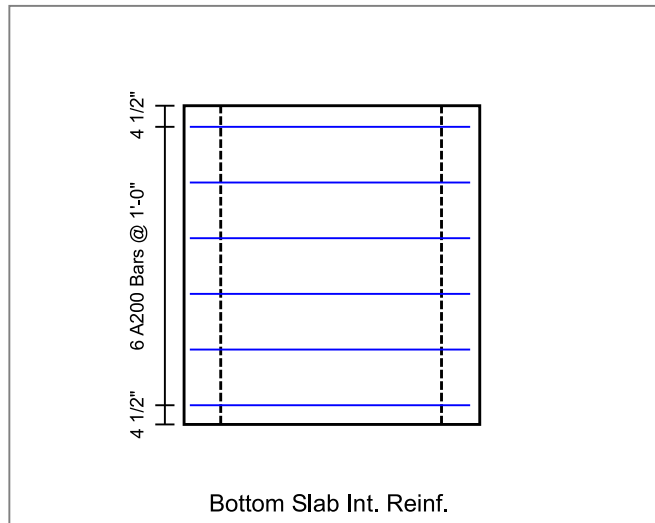
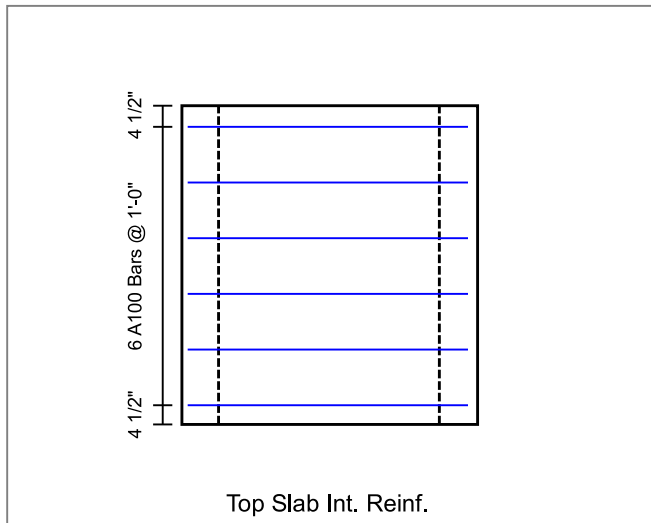
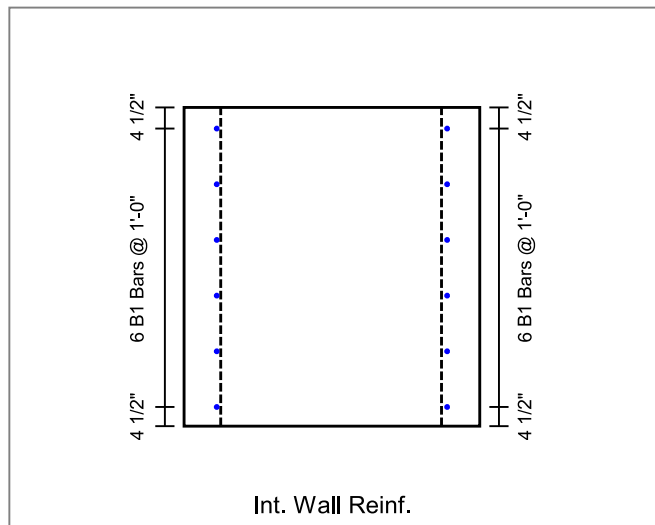
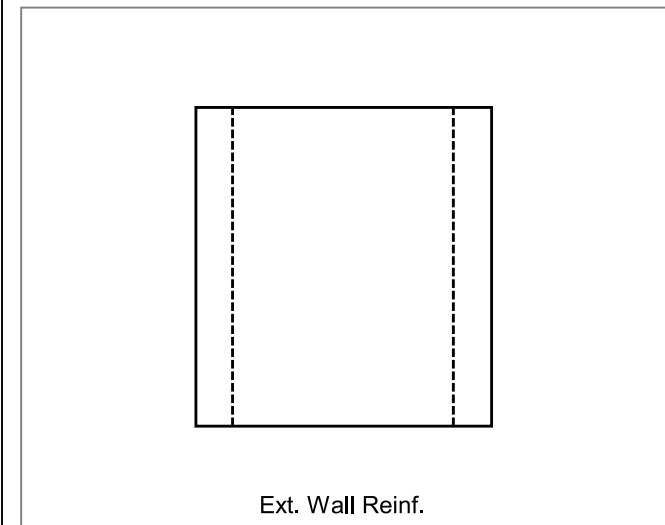
Project : Alcoa Outfall

Client: Bowen Engineering Co

Task :

File: 4x2 BC Four Sided (no haunch) - 25-2073 Alcoa Outfall

Page 3 of 3



Job Name: 25-4299 - Seneca High School	Plant: 100	Tech: J. Horsley	
Job Location: Louisville, KY	2/16/2026 10:16:33 AM	PC: J. Jarvis	
Contractor: Dan Cristiani Excavating Co. Inc.			

Structure ID: E3

P1 BX2436-08BVF

BOX BASE 8inW, 8inF, Variable Ht F/n

P2) 24" x 36" - CASTING HEIGHT - 6"
P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 19"
1) 24" x 36" - Conseal CS-102 1.00"
1) Hole - 16

0 lb
3191 lb
0 lb
0 lb

Structure Total: 3191 lb

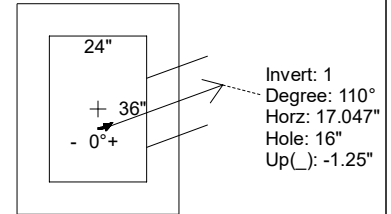
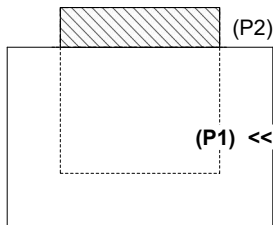
- Structure Notes:
1. PER LOUISVILLE MSD / ASTM C-913 SPECIFICATIONS
 2. CONCRETE: 4,000 PSI AT 28 DAYS
 3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
 4. NO STORM INVERT
 5. NO STEPS
 6. HOE 470 FRAME, GRATE, & CURB HOOD SUPPLIED BY OTHERS

Rim: 490.95' Rim to Invert: 2.1' Slack: 0.2" Sump: 0" Step Position:

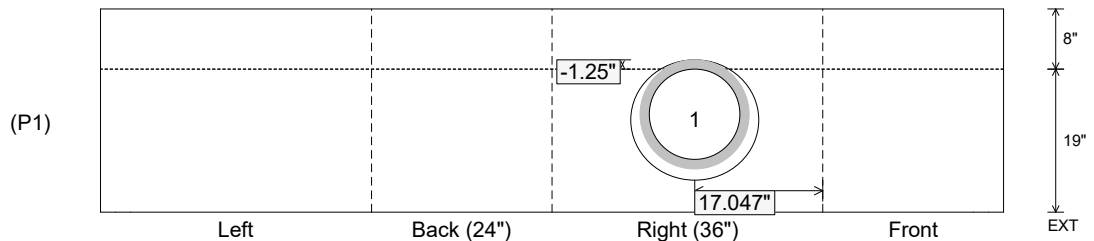
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	488.85'	110°	27.959"	12" HDPE	14.5"	Hole 16	16"	17.027"	-1.25"	-5"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 19" Height (Ext): 27"	Weight (Net): 3191 lb Volume (Net): 0.82cu.yd
----------------------------------	-------------------------------	--	--	--

Job Name: 25-4299 - Seneca High School
 Job Location: Louisville, KY
 Contractor: Dan Cristiani Excavating Co. Inc.

Plant: 100
 2/16/2026 10:16:32 AM

Tech: J. Horsley
 PC: J. Jarvis



Structure ID: E2

P1 BX2424-08BAVF

BOX BASE 8inW, 8inF, Variable Ht F/n

P2) 24" x 24" - CASTING HEIGHT - 4"
 P1) 24" x 24" - BOX BASE 8inW, 8inF, Variable Ht F/n - 20"
 1) 24" x 24" - Conseal CS-102 1.00"
 2) Hole - 16

0 lb
 2523 lb
 0 lb
 0 lb

 Structure Total: 2523 lb

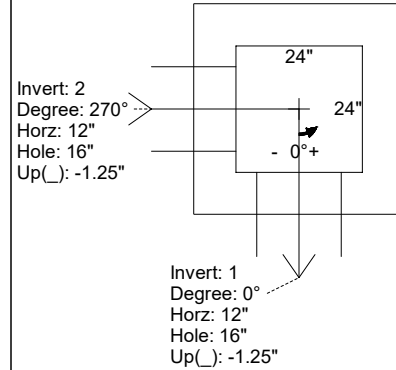
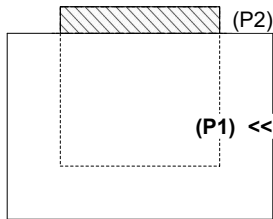
- Structure Notes:**
1. PER LOUISVILLE MSD / ASTM C-913 SPECIFICATIONS
 2. CONCRETE: 4,000 PSI AT 28 DAYS
 3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
 4. NO STORM INVERT
 5. NO STEPS
 6. HOE 280T FRAME & GRATE SUPPLIED BY OTHERS

Rim: 486.7' Rim to Invert: 2.05' Slack: 0.6" Sump: 0" Step Position:

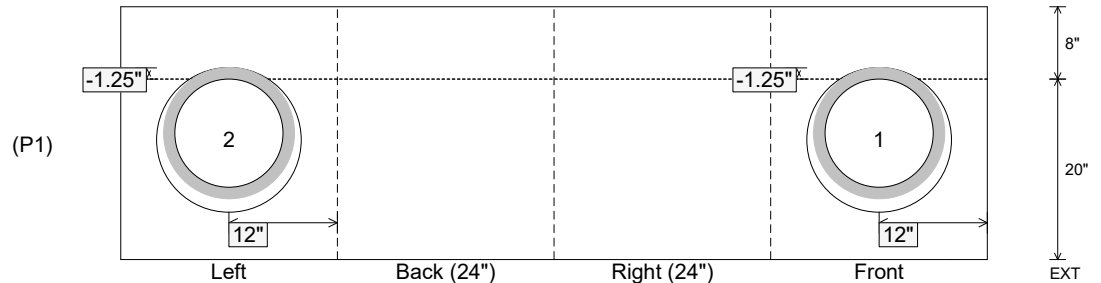
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	484.65'	0°	20"	12" HDPE	14.5"	Hole 16	16"	16"	-1.25"	0"
Invert 2	484.65'	270°	20"	12" HDPE	14.5"	Hole 16	16"	16"	-1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: n/a

Wall Thickness: 8"
 Floor Height: 8"

Height (Int): 20"
 Height (Ext): 28"

Weight (Net): 2523 lb
 Volume (Net): 0.64cu.yd

Job Name: 25-4733 - The Paddock
 Job Location: Springfield, KY
 Contractor: Core & Main LP (Lou)

Plant: 100

Tech: Jared - F

5/14/2026 1:09:01 PM

PC: T. Lewis



Structure ID: CI-D2

P1 BX2436-08BVF

BOX BASE 8inW, 8inF, Variable Ht F/n

- P2) 24" x 36" - CASTING HEIGHT - 6"
- P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 38"
- 1) CASTING - HOE 525 SET FLAT GRATE (F/G/H)
- 1) 24" x 36" - Conseal CS-102 1.00"
- 2) Hole - 20

0 lb
 4838 lb
 442 lb
 0 lb
 0 lb

 0 lb
 Structure Total: 5280 lb

Structure Notes:
 1. PER ASTM C913 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO STEPS AND NO INVERT CHANNEL.
 4. CASTING BY ICAST (HOE 525 SET FLAT GRATE (F/G/H)).

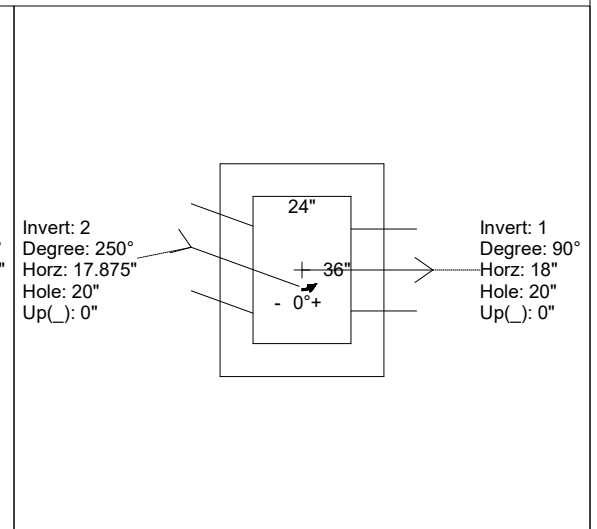
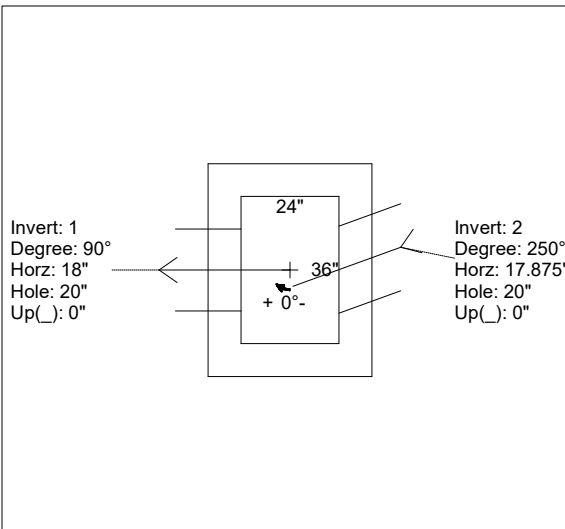
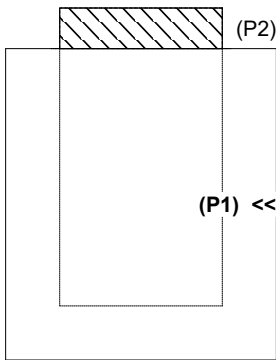
REINFORCING PER ASTM A615 (GRADE 60).
 - WALLS (As .12) #5 BARS AT 12" C.C.E.W.
 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

Rim: 884.97' Rim to Invert: 3.68' Slack: 1.41' Sump: 1.25' Step Position:

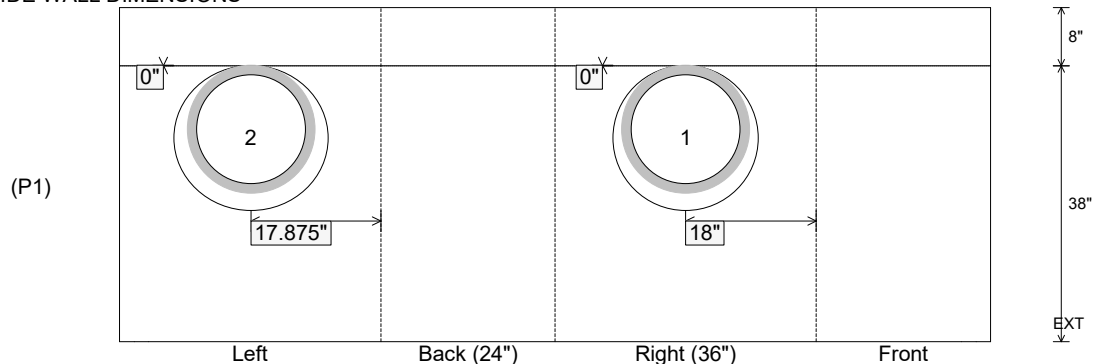
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	881.29'	90°	26"	15" HDPE	17.6"	Hole 20	20"	20"	0"	0"
Invert 2	881.29'	250°	23"	15" HDPE	17.6"	Hole 20	20"	21.284"	0"	4"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: n/a

Wall Thickness: 8"
 Floor Height: 8"

Height (Int): 38"
 Height (Ext): 46"

Weight (Net): 4838 lb
 Volume (Net): 1.24cu.yd

Job Name: 26-2008 - EVWR South Yard	Plant: 100	Tech: Jared - A	
Job Location: Evansville, IN Contractor: Chastain Excavating	5/18/2026 2:31:48 PM	PC: T. Lewis	

Structure ID: QL1 ST-DCB

P1 BX28640606-VH

BOX BASE 6inW, 6inF, Variable Ht F/n

- P3) 24" x 24" - CASTING HEIGHT - 4"
- P2) 28" x 64" - BX FLAT LID 6inW w/24"x24" HOLE F/F - 6"
- P1) 28" x 64" - BOX BASE 6inW, 6inF, Variable Ht F/n - 36"
- 1) CASTING - HOE 280T F/G
- 1) 28" x 64" - Conseal CS-102 1.00"
- 1) 24" x 24" - Conseal CS-102 1.00"
- 1) Hole - 29
- 2) Hole - 26

- Structure Notes:**
1. PER ASTM C-913 SPECIFICATIONS
 2. CONCRETE: 4,000 PSI AT 28 DAYS
 3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
 4. NO STORM INVERT
 5. NO STEPS
 6. HOE 280T FRAME & GRATE SUPPLIED BY ICAST
 7. INVERTS 2 & 3 OFFSET 17" FROM CENTER (34" CENTER-TO-CENTER)
 8. LIFTERS: 4 EA. 5CA14 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED IN 0° & 180° WALLS, MIN. 12" FROM TOP OF WALLS

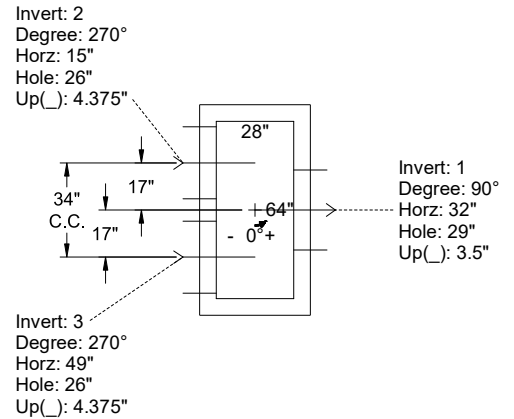
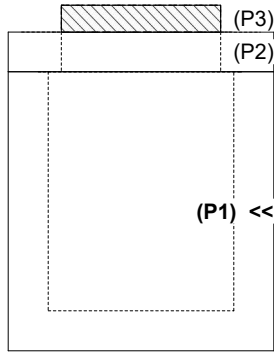
Structure Total: 5856 lb

Rim: 411.44' Rim to Invert: 3.53' Slack: 0.36" Sump: 4" Step Position:

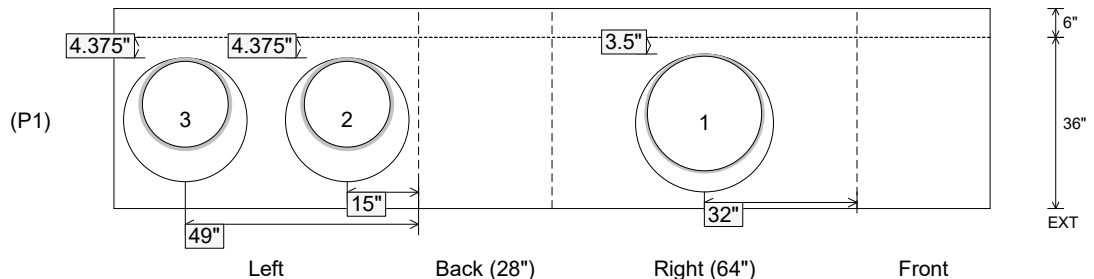
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (↓)	Offset
Invert 1	407.91'	90°	38"	24" CMP	25"	Hole 29	29"	29"	3.5"	0"
Invert 2	408'	270°	21"	18" DI	19.5"	Hole 26	26"	26"	4.375"	-17"
Invert 3	408'	270°	55"	18" DI	19.5"	Hole 26	26"	26"	4.375"	17"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



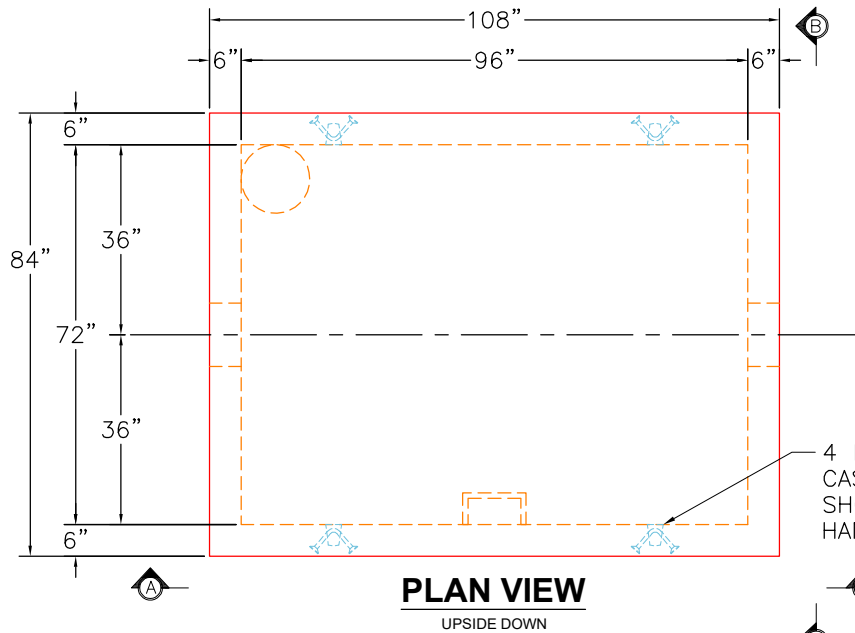
INSIDE WALL DIMENSIONS



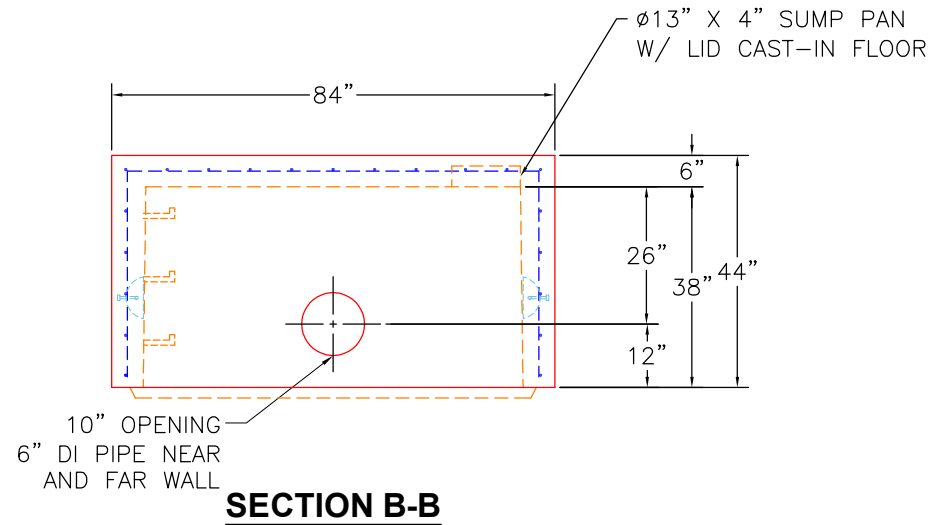
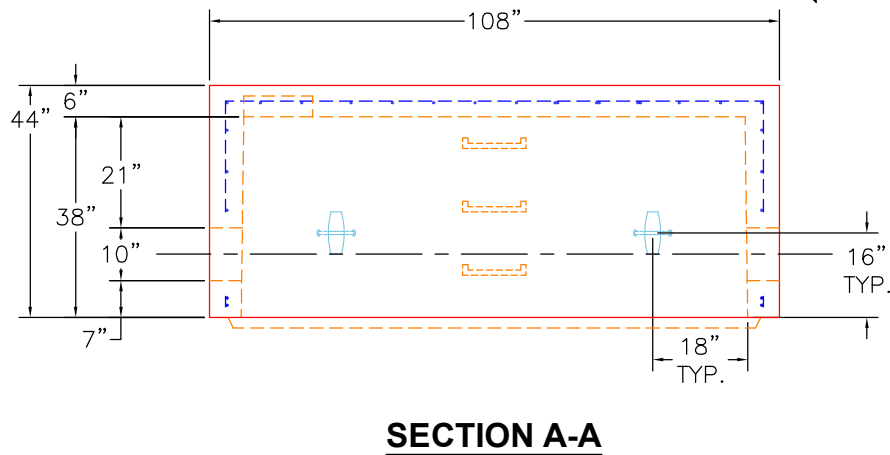
Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 6" Floor Height: 6"	Height (Int): 36" Height (Ext): 42"	Weight (Net): 4433 lb Volume (Net): 1.13cu.yd
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GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCING: #5 BAR @ 8" O.C.E.W. PER ASTM A615. (GRADE 60).
4. WEIGHT: 11,850 LBS
5. DOUBLE ROLL CS-102 JOINT SEALANT.



4 EA. CONAC 5CA14 ANCHORS
CAST IN THE BASE SECTION AS
SHOWN FOR PLANT & FIELD
HANDLING.



PRODUCTION WORK ORDER

PRODUCT I.D.: BX7296-06W06-VF

DESCRIPTION: 6' X 8' VAULT BASE SECTION



QUALITY CONTROL CHECKLIST

- ALL DIMENSIONS CORRECT.
- LIFTERS INSTALLED.
- OPENING CORRECT LOCATION(S).
- REINFORCING CORRECT.
- SURFACE QUALITY ACCEPTABLE.
- EDGES CHAMFERED.
- ALL PATCHWORK ACCEPTABLE.

PRODUCT VIEW: UPSIDE DOWN

CUSTOMER: CORE & MAIN

PLANT: BEAVER DAM, KY.

PROJECT: GLADEVILLE VAULT

WEIGHT: 11,850 LBS.

STRUCTURE: VAULT

TOP SECTION JOINT: TONGUE

ORDER NO: 26-2098

BASE SECTION JOINT: N/A

PC: C. GOFF

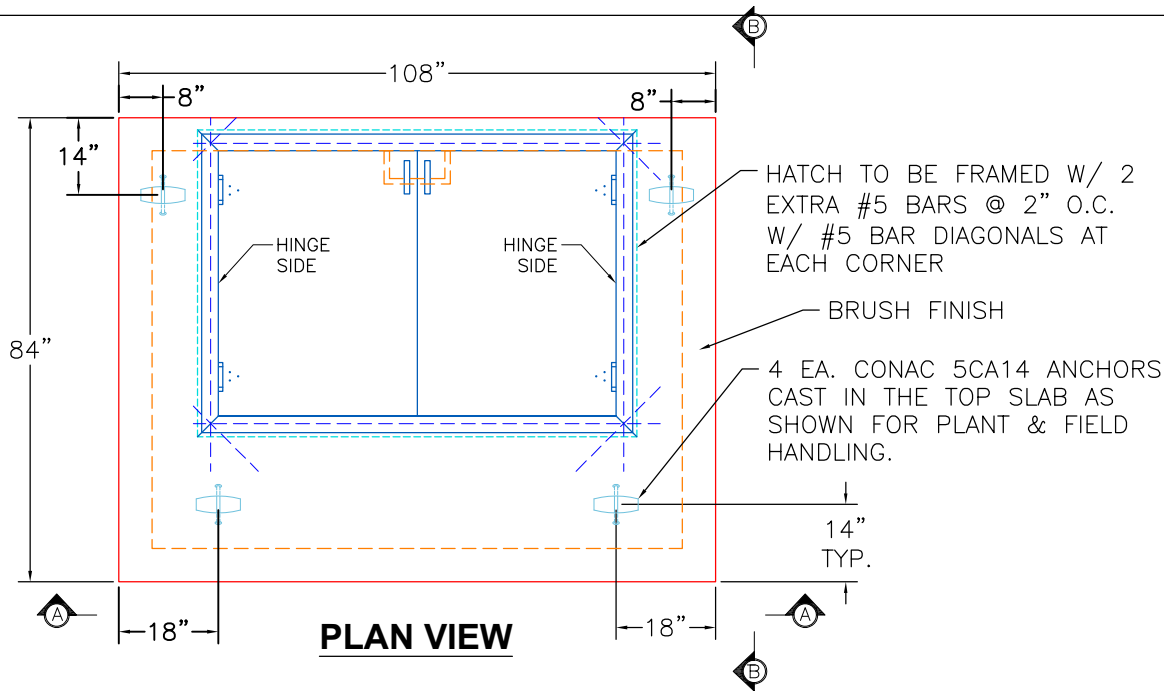
DRAWING: J. COPPAGE

QC CHECK INITIALS:

DATE: 05/18/26

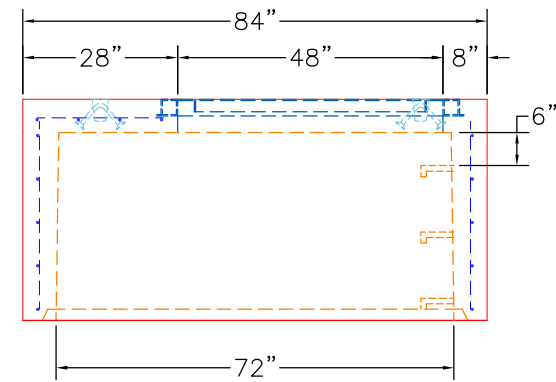
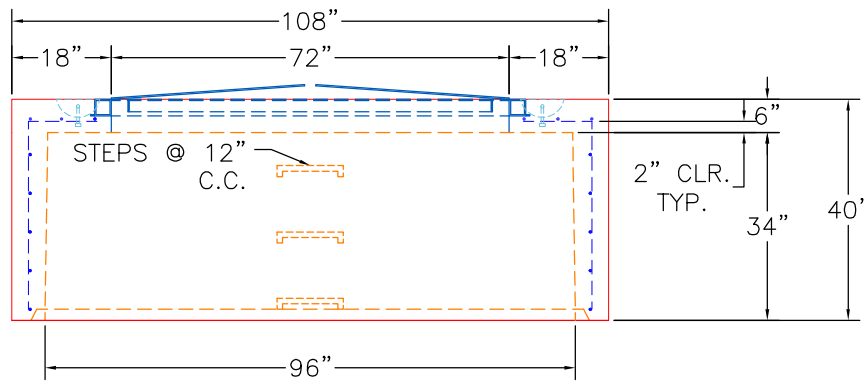
SCALE: NTS

PG. 1 of 1



GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 4,000 PSI AT 28 DAYS.
3. REINFORCING: #5 BAR @ 6" O.C.E.W. PER ASTM A615. (GRADE 60).
4. WEIGHT: 8,851 LBS
5. HATCH: HALLIDAY S2R 72" X 48" HATCH SUPPLIED BY OTHERS, TO BE CAST INTO TOP OF LID.
6. DOUBLE ROLL CS-102 JOINT SEALANT.



PRODUCTION WORK ORDER

PRODUCT I.D.: BX7296-06W06T-VF-MT

DESCRIPTION: 72" X 96" X 40" MONOTOP



QUALITY CONTROL CHECKLIST

- ALL DIMENSIONS CORRECT.
- LIFTERS INSTALLED.
- HATCH CORRECT LOCATION.
- REINFORCING CORRECT.
- SURFACE QUALITY ACCEPTABLE.
- EDGES CHAMFERED.
- ALL PATCHWORK ACCEPTABLE.

PRODUCT VIEW: RIGHT SIDE UP

CUSTOMER: CORE & MAIN

PLANT: BEAVER DAM, KY.

PROJECT: GLADEVILLE VAULT

WEIGHT: 8,851 LBS.

STRUCTURE: VAULT

TOP SECTION JOINT: N/A

ORDER NO: 26-2098

BASE SECTION JOINT: GROOVE

PC: C. GOFF

DRAWING: S. FELLETER

QC CHECK INITIALS:

DATE: 05/18/26

SCALE: NTS

PG. 1 of 1

Job Name: 25-2511B - Blue Sky Sec 1 (Storm)	Plant: 100	Tech: J. Horsley - F
Job Location: Clarksville, TN	11/19/2025 3:06:35 PM	PC: A. Chambers
Contractor: Byard Construction, LLC		

Structure ID: AD

P1 BX28640606-VH

BOX BASE 6inW, 6inF, Variable Ht F/n

P2) 28" x 64" - CASTING HEIGHT - 6"	0 lb
P1) 28" x 64" - BOX BASE 6inW, 6inF, Variable Ht F/n - 45"	5521 lb
1) Conseal CS-102 1.00" (Single)	0 lb
2) CASTING - JBS 3080-V SET (F/G/H)	1000 lb
1) Hole - 30	0 lb
2) Hole - 24	0 lb
Structure Total:	6521 lb

Structure Notes:
 1. PER ASTM C913 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO STEPS AND NO INVERT CHANNEL.
 4. CASTING BY I-CAST (2 ea. - JBS 3080-V SET F/G/H).

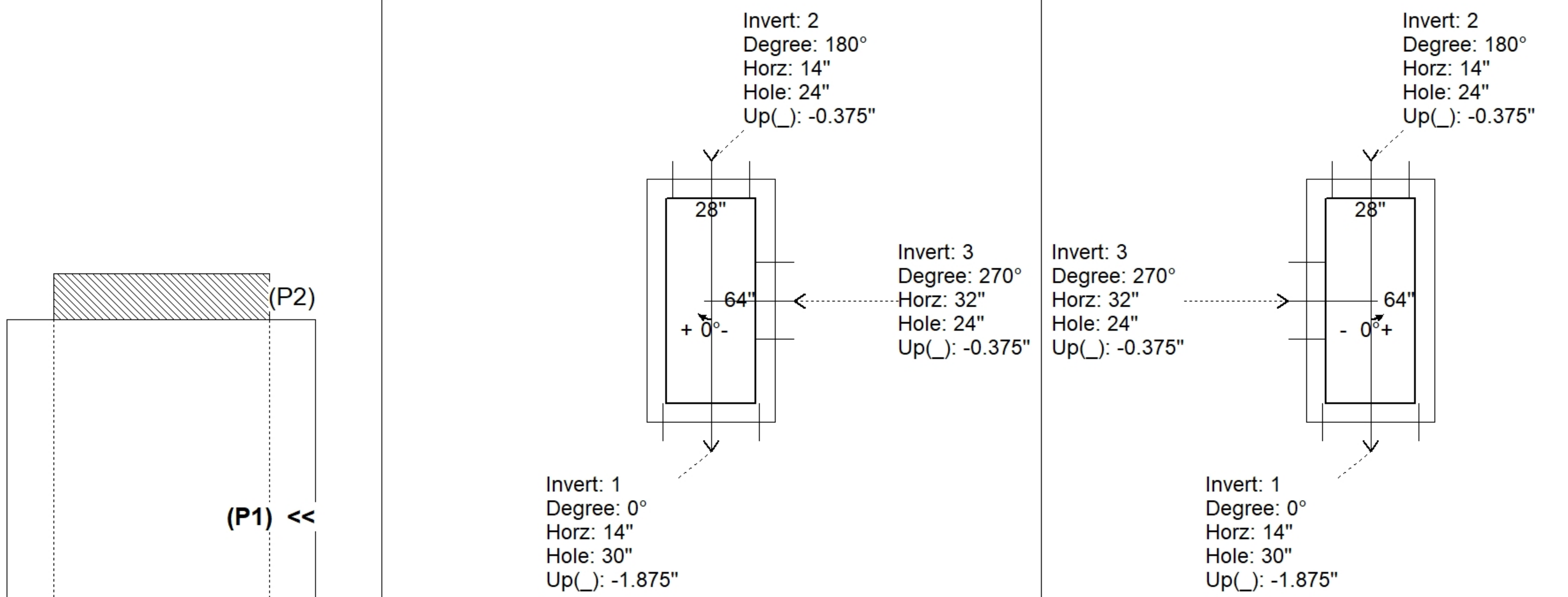
 REINFORCING PER ASTM A615 (GRADE 60).
 - WALLS (As .31) #5 BARS AT 12" C.C.E.W.
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 509.92' Rim to Invert: 4.26' Slack: 0.12" Sump: 0" Step Position:

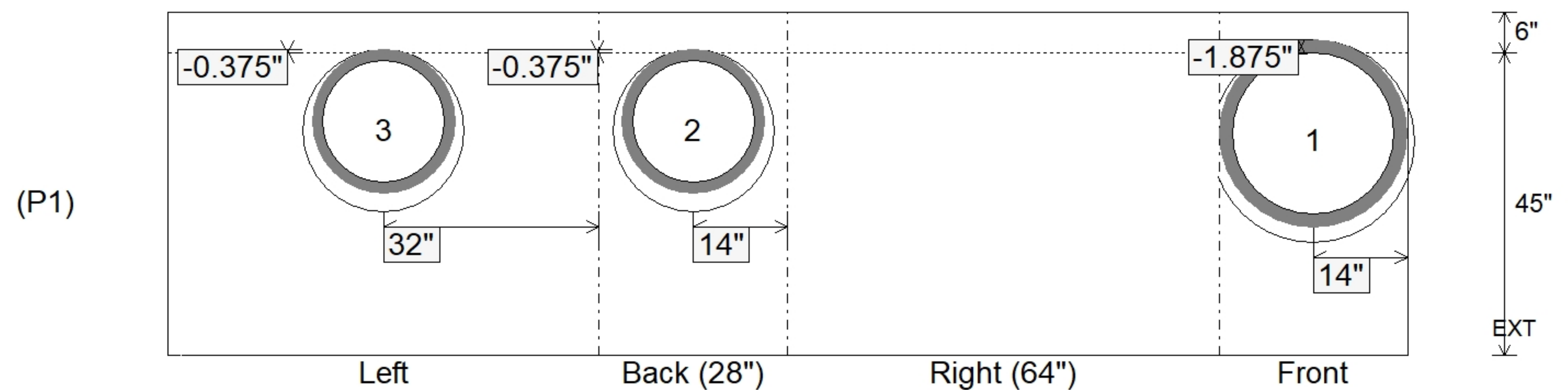
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	505.66'	0°	20"	24" HDPE	27.8"	Hole 30	30"	29"	-1.875"	0"
Invert 2	505.76'	180°	20"	18" HDPE	21.2"	Hole 24	24"	24"	-0.375"	0"
Invert 3	505.76'	270°	38"	18" HDPE	21.2"	Hole 24	24"	24"	-0.375"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):	Seam Up: Flat	Wall Thickness: 6"	Height (Int): 45"	Weight (Net): 5521 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 6"	Height (Ext): 51"	Volume (Net): 1.41cu.yd

Job Name: 25-2952 - KYTC Jefferson Co Call 106 (251315)	Plant: 100	Tech: J. Horsley - A	
Job Location: Indiana, KY Contractor: Louisville Paving and Construction	5/12/2026 1:01:11 PM	PC: J. Jarvis	

Structure ID: 140

P2 BX1818-06RVF

BOX RISER 6inW, Variable Ht F/G

- P3) 18" x 18" - CASTING HEIGHT - 4"
- P2) 18" x 18" - BOX RISER 6inW, Variable Ht F/G - 12"
- P1) 18" x 18" - BOX BASE 6inW, 6inF, Variable Ht T/n - 20"
- 2) 18" x 18" - Conseal CS-102 1.00"
- 1) Hole - 16

0 lb
 580 lb
 1319 lb
 0 lb
 0 lb

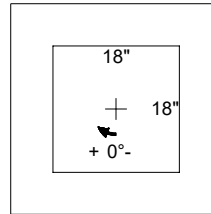
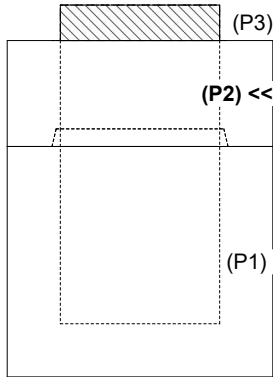
 Structure Total: 1899 lb

- Structure Notes:
1. PER MSD YARD DRAIN / ASTM C-913 SPECS
 2. CONCRETE: 4,000 PSI AT 28 DAYS
 3. REINFORCEMENT: #4 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
 4. NO STEPS
 5. HOE 165-A FRAME & GRATE SUPPLIED BY OTHERS

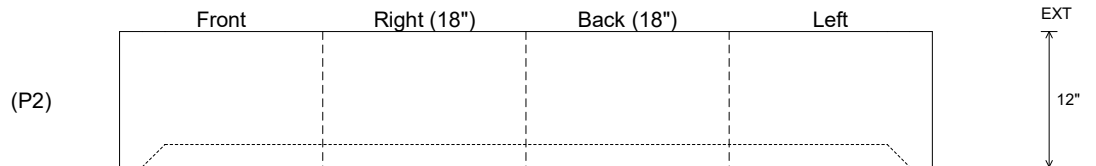
Rim: 565.95' Rim to Invert: 3' Slack: 0" Sump: 0" Step Position:

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



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: Groove	Wall Thickness: 6" Floor Height: 0"	Height (Int): 12" Height (Ext): 12"	Weight (Net): 580 lb Volume (Net): 0.15cu.yd
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Job Name: 25-4733 - The Paddock
 Job Location: Springfield, KY
 Contractor: Core & Main LP (Lou)

Plant: 100
 5/14/2026 1:08:58 PM

Tech: Jared - F
 PC: T. Lewis



Structure ID: CI-A5

P1 BX2436-08BA42

BOX BASE 8inW, 8inF F/n

- P2) 24" x 36" - CASTING HEIGHT - 6"
- P1) 24" x 36" - BOX BASE 8inW, 8inF F/n - 42"
- 1) CASTING - HOE 525 SET FLAT GRATE (F/G/H)
- 1) 24" x 36" - Conseal CS-102 1.00"
- 1) Hole - 16

0 lb
 5547 lb
 442 lb
 0 lb
 0 lb

 Structure Total: 5989 lb

Structure Notes:
 1. PER ASTM C913 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO STEPS AND NO INVERT CHANNEL.
 4. CASTING BY ICAST (HOE 525 SET FLAT GRATE (F/G/H)).

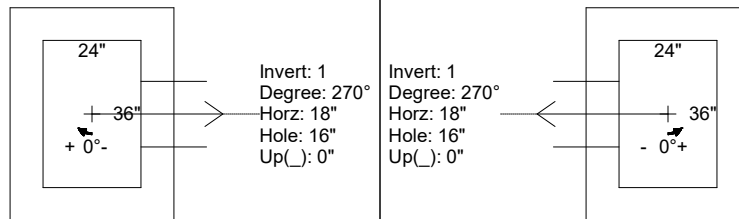
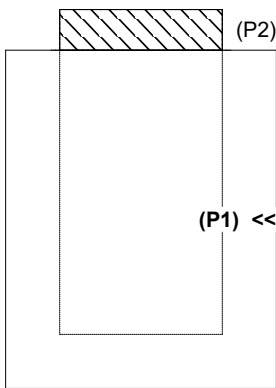
REINFORCING PER ASTM A615 (GRADE 60).
 - WALLS (As .12) #5 BARS AT 12" C.C.E.W.
 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

Rim: 891.25' Rim to Invert: 4.06' Slack: 1.97' Sump: 1.25" Step Position:

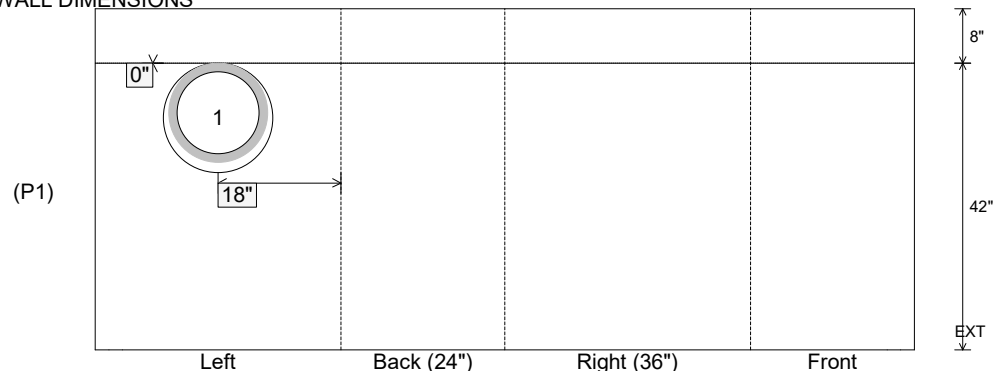
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	887.19'	270°	26"	12" HDPE	14.5"	Hole 16	16"	16"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: n/a

Wall Thickness: 8"
 Floor Height: 8"

Height (Int): 42"
 Height (Ext): 50"

Weight (Net): 5547 lb
 Volume (Net): 1.42cu.yd

Job Name: 25-4733 - The Paddock
 Job Location: Springfield, KY
 Contractor: Core & Main LP (Lou)

Plant: 100

Tech: Jared - F

5/14/2026 1:08:57 PM

PC: T. Lewis



Structure ID: CI-A4

P1 BX2436-08BVF

BOX BASE 8inW, 8inF, Variable Ht F/n

- P2) 24" x 36" - CASTING HEIGHT - 6"
- P1) 24" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 49"
- 1) CASTING - HOE 525 SET FLAT GRATE (F/G/H)
- 1) 24" x 36" - Conseal CS-102 1.00"
- 1) Hole - 20
- 1) Hole - 16

0 lb
 6050 lb
 442 lb
 0 lb
 0 lb
 0 lb

 Structure Total: 6492 lb

Structure Notes:
 1. PER ASTM C913 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO STEPS AND NO INVERT CHANNEL.
 4. CASTING BY ICAST (HOE 525 SET FLAT GRATE (F/G/H)).

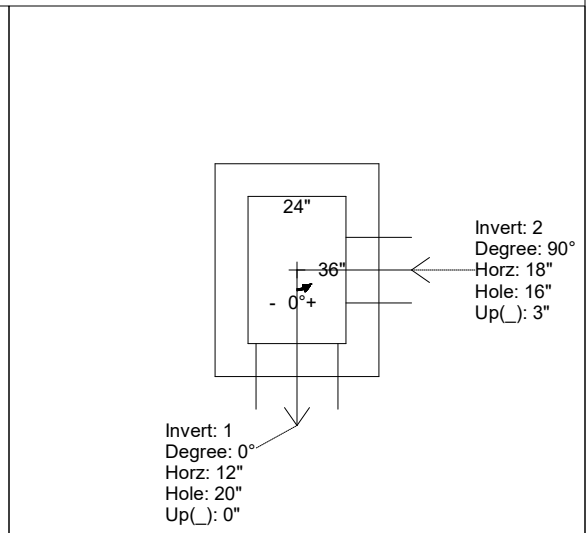
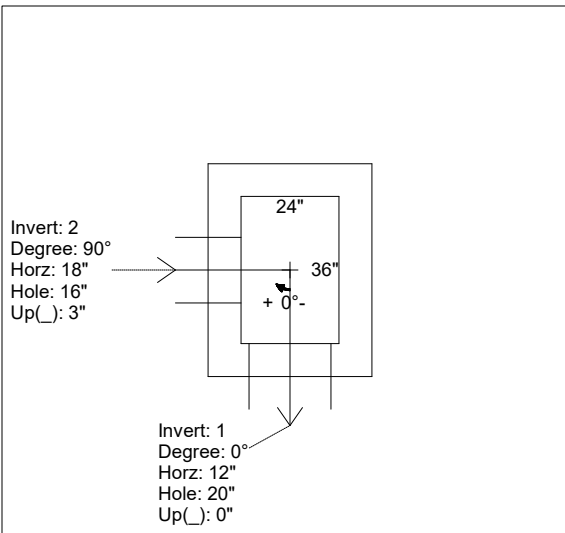
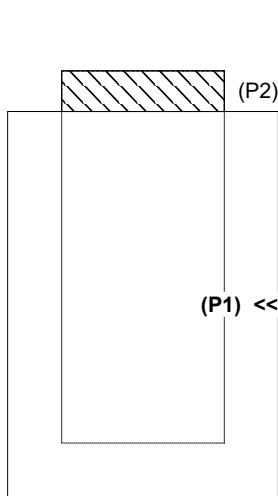
REINFORCING PER ASTM A615 (GRADE 60).
 - WALLS (As .12) #5 BARS AT 12" C.C.E.W.
 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

Rim: 891.21' Rim to Invert: 4.59' Slack: 1.33' Sump: 1.25' Step Position:

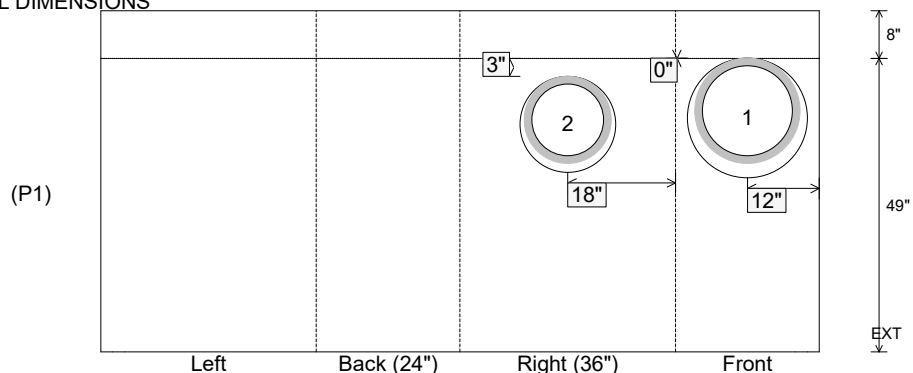
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	886.62'	0°	20"	15" HDPE	17.6"	Hole 20	20"	20"	0"	0"
Invert 2	886.87'	90°	26"	12" HDPE	14.5"	Hole 16	16"	16"	3"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: n/a

Wall Thickness: 8"
 Floor Height: 8"

Height (Int): 49"
 Height (Ext): 57"

Weight (Net): 6050 lb
 Volume (Net): 1.54cu.yd



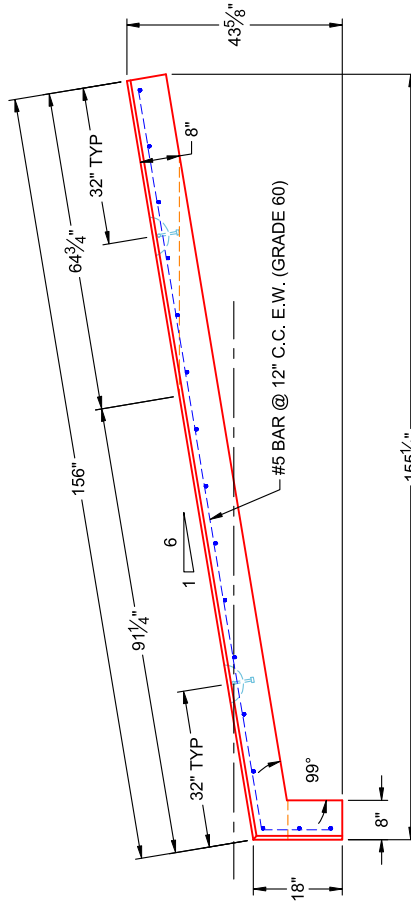
Structure ID: ICAST LI9 (2)

P1 HWCUSTOM

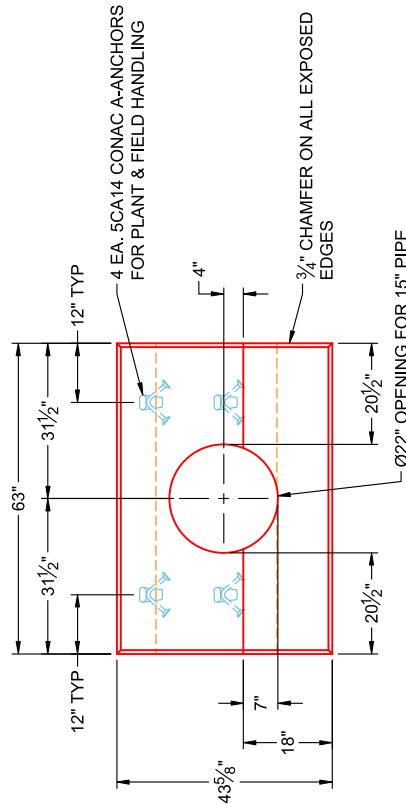
15" - HW SLOPED & MITERED 6:1 F/F

GENERAL NOTES:

1. PER KYTC SLOPED & MITERED HEADWALL SPECIFICATIONS
2. CONCRETE: 4,500 PSI AT 28 DAYS
3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
4. REINFORCING BARS TO BE TACK WELDED OR TIED
5. LIFTING ANCHORS POCKETS TO BE GROUTED WITH KYTC APPROVED NON-SHRINK GROUT
6. DRAWINGS TO BE USED IN CONJUNCTION WITH KYTC DRAWINGS & SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION
7. 3/4" CHAMFER REQUIRED ON ALL EXPOSED EDGES
8. WEIGHT: 7,250 LBS



**SIDE VIEW
(RIGHT SIDE UP)**



**FRONT VIEW
(RIGHT SIDE UP)**



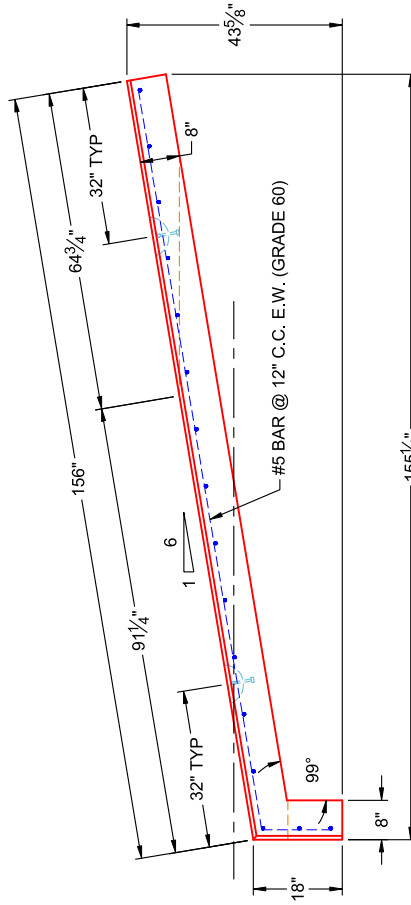
Structure ID: ICAST LI9 (1)

P1 HWCUSTOM

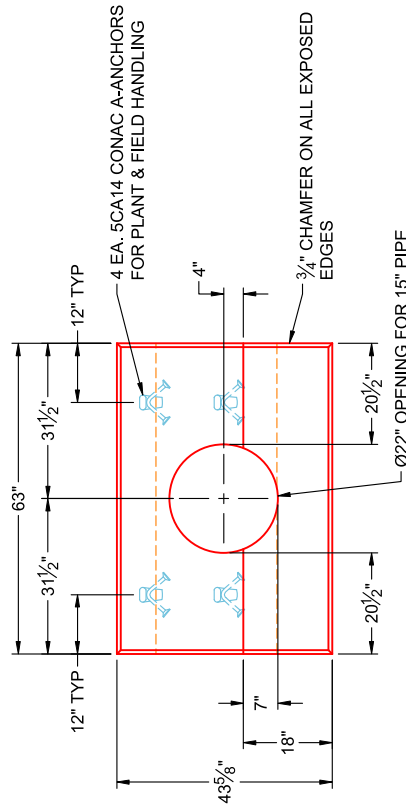
15" - HW SLOPED & MITERED 6:1 F/F

GENERAL NOTES:

1. PER KYTC SLOPED & MITERED HEADWALL SPECIFICATIONS
2. CONCRETE: 4,500 PSI AT 28 DAYS
3. REINFORCEMENT: #5 BAR @ 12" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
4. REINFORCING BARS TO BE TACK WELDED OR TIED
5. LIFTING ANCHORS POCKETS TO BE GROUTED WITH KYTC APPROVED NON-SHRINK GROUT
6. DRAWINGS TO BE USED IN CONJUNCTION WITH KYTC DRAWINGS & SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION
7. 3/4" CHAMFER REQUIRED ON ALL EXPOSED EDGES
8. WEIGHT: 7,250 LBS



**SIDE VIEW
(RIGHT SIDE UP)**



**FRONT VIEW
(RIGHT SIDE UP)**

Job Name: 25-4733 - The Paddock
 Job Location: Springfield, KY
 Contractor: Core & Main LP (Lou)

Plant: 100
 5/14/2026 8:16:17 PM

Tech: Jared - F
 PC: T. Lewis



Structure ID: OCS-B1

P3 BX036036-06LD08S

BX FLAT LID 8inW w/HOE 280T CAST IN F/F

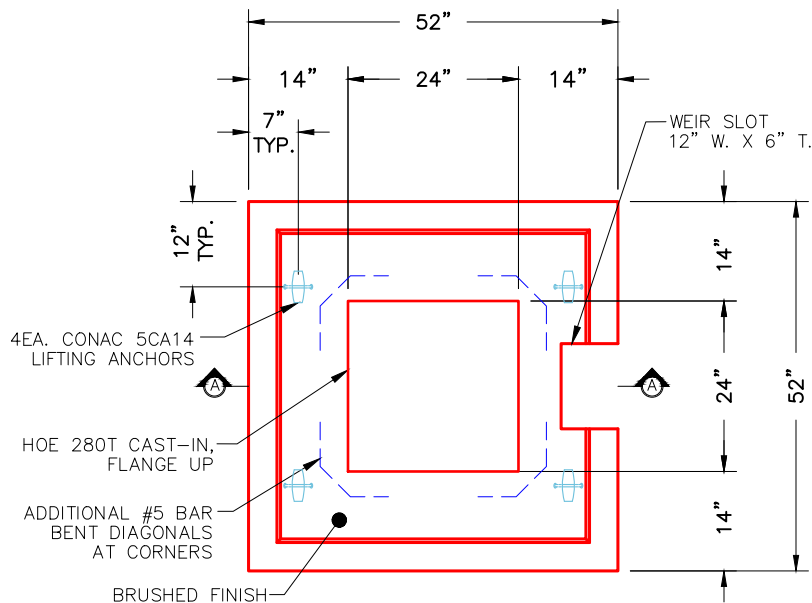
- P4) 24" x 24" - CASTING HEIGHT - 0"
- P3) 36" x 36" - BX FLAT LID 8inW w/HOE 280T CAST IN F/F - 6"
- P2) 36" x 36" - BOX RISER 8inW, Variable Ht F/G - 44"
- P1) 36" x 36" - BOX BASE 8inW, 8inF, Variable Ht T/n - 34"
- 1) CASTING - HOE 280T F/G
- 2) 36" x 36" - Conseal CS-102 1.00"
- 1) 24" x 24" - Conseal CS-102 1.00"
- 1) Hole - 30
- 1) Orifice - 4"
- 1) Weir n/n - 12"x30"

0 lb
 1023 lb
 5005 lb
 5349 lb
 182 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
 0 lb
 11560 lb

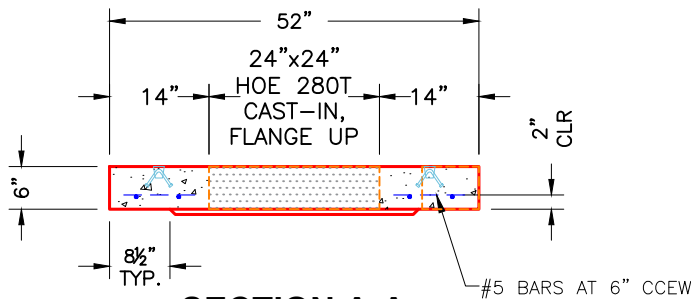
Structure Total:

Structure Notes:
 1. PER ASTM C913 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO STEPS AND NO INVERT CHANNEL.
 4. CASTING BY ICAST (HOE 280T F/G-CAST-IN, FLANGE UP).

 REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
 - WALLS (As .12) #5 BARS AT 12" C.C.E.W.
 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.



PLAN VIEW



SECTION A-A

NOTES:

- 1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
- 2. CONCRETE: 4,000 PSI AT 28 DAYS.
- 3. REINFORCING: #5 BAR @ 6" O.C. E.W. (GRADE 60).

Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: Flat

Wall Thickness: 8"

Height (Ext): 6"

Weight (Net): 1023 lb
 Volume (Net): 0.26cu.yd

Job Name: 26-2008 - EVWR South Yard
 Job Location: Evansville, IN
 Contractor: Chastain Excavating

Plant: 100
 5/18/2026 2:54:58 PM

Tech: Jared - A
 PC: T. Lewis



Structure ID: QL1 ST-DCB

P2 BX028064-06LD06-24x24

BX FLAT LID 6inW w/24"x24" HOLE F/F

- P3) 24" x 24" - CASTING HEIGHT - 4"
- P2) 28" x 64" - BX FLAT LID 6inW w/24"x24" HOLE F/F - 6"
- P1) 28" x 64" - BOX BASE 6inW, 6inF, Variable Ht F/n - 36"
- 1) CASTING - HOE 280T F/G
- 1) 28" x 64" - Conseal CS-102 1.00"
- 1) 24" x 24" - Conseal CS-102 1.00"
- 1) Hole - 29
- 2) Hole - 26

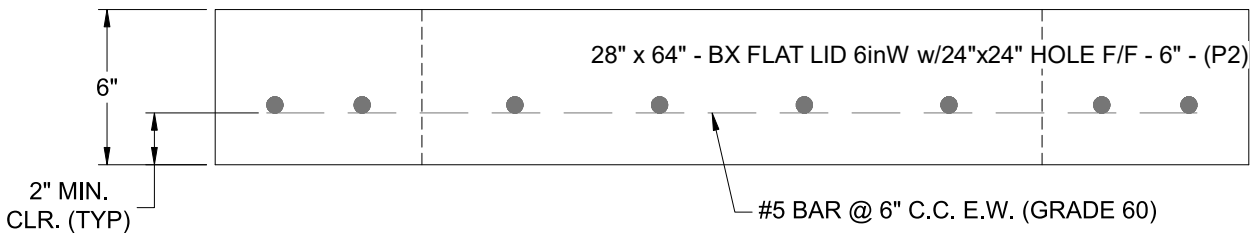
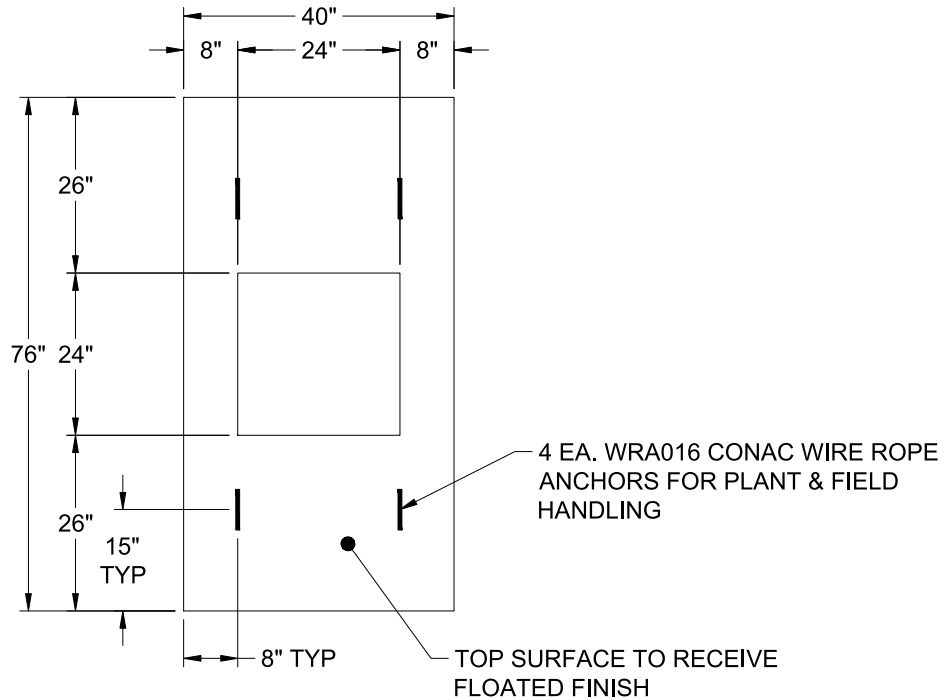
0 lb
 1241 lb
 4433 lb
 182 lb
 0 lb
 0 lb
 0 lb
 0 lb

 5856 lb

Structure Total:

Structure Notes:

1. PER ASTM C-913 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT: #5 BAR @ 6" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)
4. HOE 280T FRAME & GRATE SUPPLIED BY ICAST
5. LIFTERS: 4 EA. WRA016 CONAC WIRE ROPE ANCHORS FOR PLANT & FIELD HANDLING
6. TOP SURFACE TO RECEIVE FLOATED FINISH



Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: Flat

Wall Thickness: 6"

Height (Ext): 6"

Weight (Net): 1241 lb
 Volume (Net): 0.32cu.yd