

Job Name: 25-1401 Irwin Landing Ph. 1
Job Location: Murfreesboro, TN
Contractor: Bear Construction LLC

PC: Erica Bradley
TECH: S. Felletter
Plant: Beaver Dam



Structure ID: R17A

Spec: Storm

Type: STM.MH

Size: 48"

Rim: 577.92'

Invert: 571.51'

Rim to Invert: 6.41'

Sump: 2.5"

Floor (Top): 571.302'

Floor Height: 6"

Floor (Bot): 570.802'

Overall Height: 6.917'

Slack: 2.42"

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY ICAST (JBS-3104 SINGLE SET).

REINFORCING PER ASTM A615 (GRADE 60).

- TOP SLAB (As .62) #5 BARS AT 8" C.C.E.W..

- RISER/WALLS (As .12)

- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

STRUCTURE SUMMARY:

P3) 28" x 28" - CASTING HEIGHT - 5"

0 lb

P2) 48" - MH FLAT TOP w/28"x28" Hole F/G - 12"

1368 lb

P1) 48" - MH BASE T/n - 60"

4822 lb

1) 48" - STORM INVERT CHANNEL - 1/4 HEIGHT

1075 lb

1) CASTING - JBS 3104-V SINGLE SET

250 lb

1) 48" - Con Seal CS-102 1.00"

0 lb

1) 28" x 28" - Con Seal CS-102 1.00"

0 lb

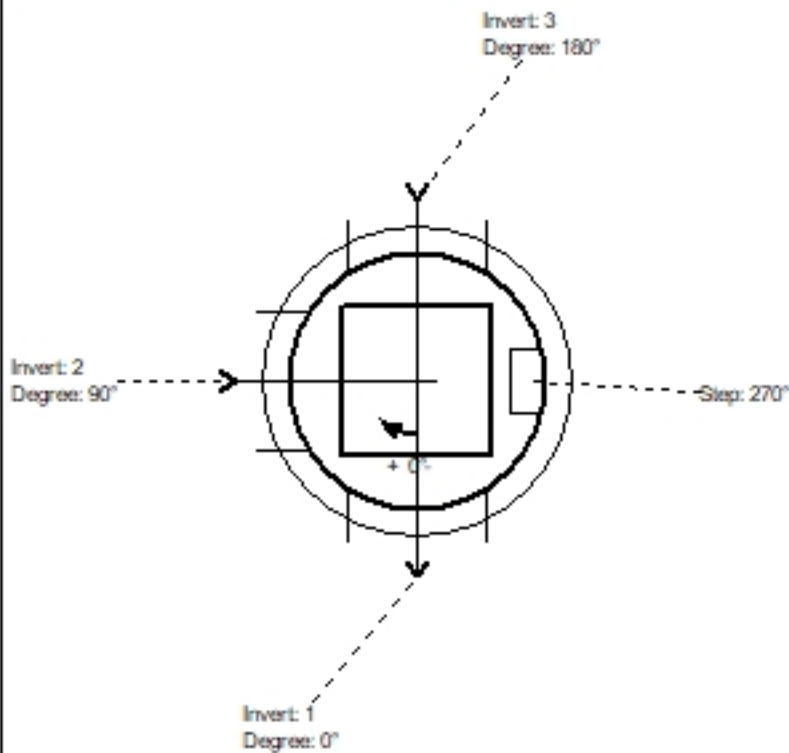
3) Hole - 28

0 lb

5) MH Step ML-10-TDS-NCR - 10"

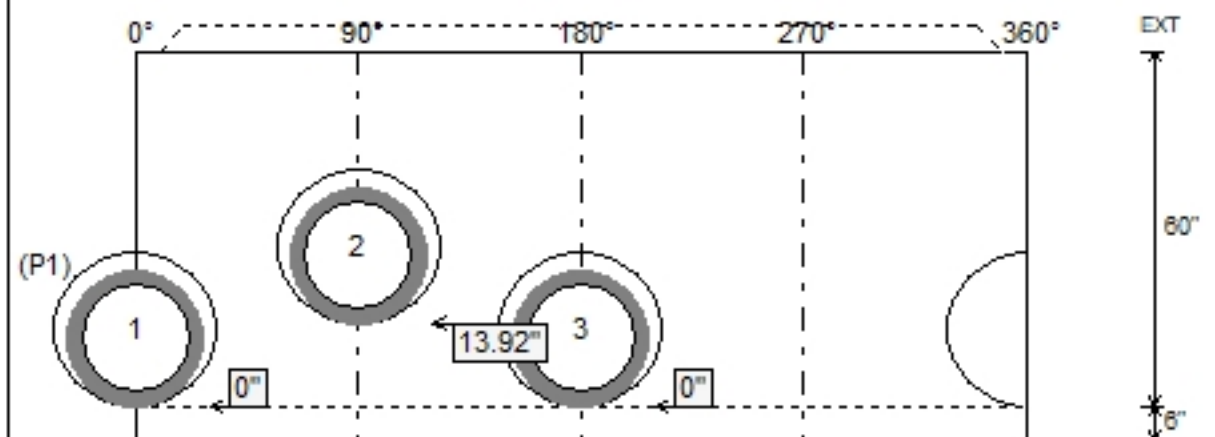
0 lb

Structure Total: 7515 lb



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up ()	Ref
Rim	577.92'							
Reducer								
Invert 1	571.51'	0°	18" RCP B WALL	23"	28"	Hole 28	0"	P1
Invert 2	572.67'	90°	18" RCP B WALL	23"	28"	Hole 28	13.92"	P1
Invert 3	571.51'	180°	18" RCP B WALL	23"	28"	Hole 28	0"	P1
Invert 4								
Invert 5								
Invert 6								
Invert 7								
Invert 8								

Default - Interior Dimensions



Submittal Drawing
6/10/2026 3:15:30 PM

SUBMITTAL
APPROVED BY: