

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: R39

Spec: Storm

Type: STM.MH

Size: 48"

Rim: 571.15'

Invert: 566.99'

Rim to Invert: 4.16'

Sump: 2.5"

Floor (Top): 566.782'

Floor Height: 6"

Floor (Bot): 566.282'

Overall Height: 4.833'

Slack: 0.42"

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/F - 7"

1091 lb

P1) 48" - MH BASE Custom Ht F/n - 40"

3858 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

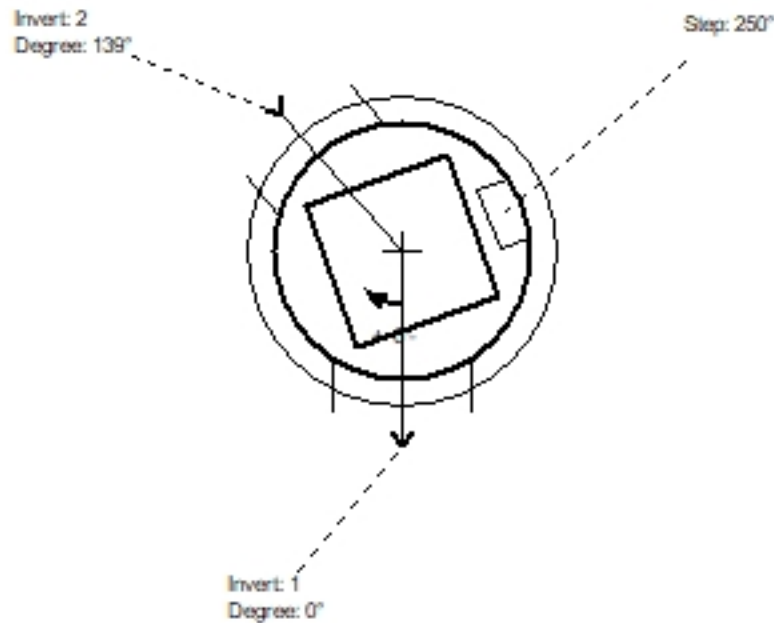
2) Hole - 28

0 lb

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

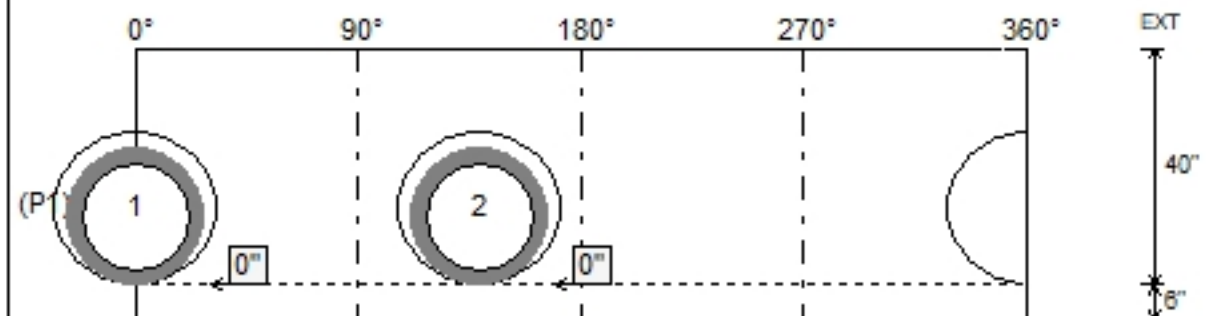
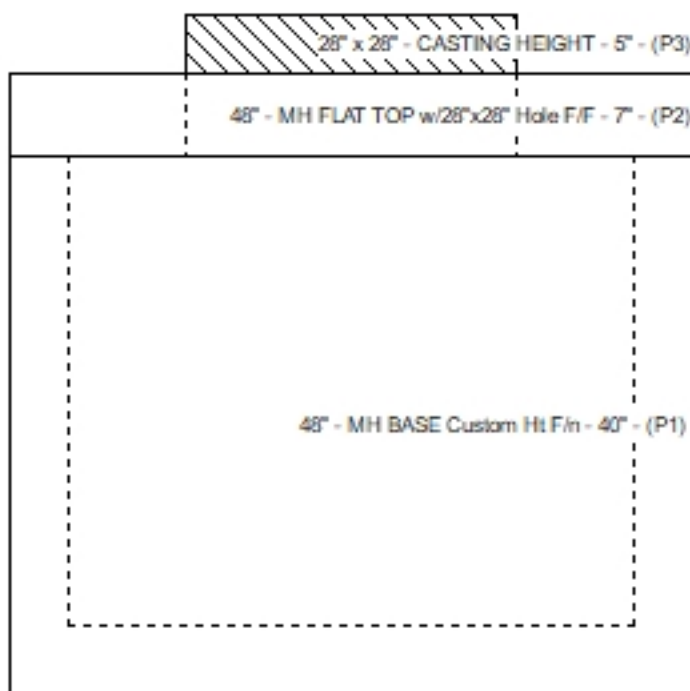
0 lb

Structure Total: 6075 lb



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up ()	Ref
Rim	571.15'							
Reducer								
Invert 1	566.99'	0°	18" RCP B WALL	23"	28"	Hole 28	0"	P1
Invert 2	566.99'	139°	18" RCP B WALL	23"	28"	Hole 28	0"	P1
Invert 3								
Invert 4								
Invert 5								
Invert 6								
Invert 7								
Invert 8								

Default - Interior Dimensions



Submittal Drawing
6/10/2026 3:15:36 PM

SUBMITTAL
APPROVED BY: