

Job Name: 25-1401 Irwin Landing Ph. 1

Job Location: Murfreesboro, TN

Contractor: Bear Construction LLC

Plant: Beaver Dam

6/9/2026 10:46:23 AM

Tech: S. Felletter

PC: Erica Bradley



Structure ID: R16

P2 MH048RS48

MH RISER T/G

P4) 28" x 28" - CASTING HEIGHT - 5"

P3) 48" - MH FLAT TOP w/28"x28" Hole F/G - 12"

P2) 48" - MH RISER T/G - 48"

P1) 48" - MH BASE T/n - 42"

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

1) CASTING - JBS 3104-V SINGLE SET

2) 48" - Conseal CS-102 1.00"

1) 28" x 28" - Conseal CS-102 1.00"

3) Hole - 26

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

0 lb

1368 lb

3120 lb

3798 lb

1075 lb

250 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 9611 lb

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 6" C.C.E.W..

- RISER/WALLS (As .12)

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

Rim: 579.25'

Rim to Invert: 8.88'

Slack: 2.06"

Sump: 2.5"

Step Position: 270°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (⌋)	Offset
Invert 1										
Invert 2	575.22'	90°	45.553"	18" RCP B WALL	23"	Hole 26	26"	27.476"	11.95"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

