

Job Name: 25-1401 Irwin Landing Ph. 1

Job Location: Murfreesboro, TN

Contractor: Bear Construction LLC

Plant: Beaver Dam

6/9/2026 10:46:24 AM

Tech: S. Felletter

PC: Erica Bradley



Structure ID: R43

P2 BX4848-08R24

BOX RISER 8inW F/G

P4) 20" x 34" - CASTING HEIGHT - 7"

P3) 48" x 48" - BX FLAT LID 8"W - TDOT 10SB (20"x34" Hole) F/F - 10"

P2) 48" x 48" - BOX RISER 8inW F/G - 24"

P1) 48" x 48" - BOX BASE 8inW, 8inF T/n - 60"

1) 48" x 48" - STORM INVERT CHANNEL (FLAT) - 4" THK

1) CASTING - JBS 3123 MODIFIED SET

2) 48" x 48" - SGL 1"x14.5' Butyl (2x)

2) Hole - 46

1) Hole - 26

0 lb

2866 lb

3609 lb

9184 lb

450 lb

250 lb

0 lb

0 lb

0 lb

Structure Total: 16359 lb

Structure Notes:

1. PER TDOT D-CB-10SB / ASTM C913 SPEC'S.

2. CONCRETE = 4,000 PSI AT 28 DAYS.

3. CASTING BY ICAST (JBS-3123 MOD SET).

REINFORCING PER ASTM A615 (GRADE 60).

** SEE TDOT STD DRAWING D-CB-10SB **

- TOP SLAB - DBL MAT #5 BARS.

- WALLS (As .47) #5 BARS AT 8" C.C.E.W.

- FLOOR (As .47) #5 BARS AT 8" C.C.E.W.

Rim: 569.45'

Rim to Invert: 8.15'

Slack: 0.8"

Sump: 4"

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										

(P4)

(P3)

(P2) <<

(P1)

RIGHT-SIDE UP VIEW (int. dimensions)

48"

+

48"

+ 0°-

INSIDE WALL DIMENSIONS

Front

Right (48")

Back (48")

Left

(P2)

EXT

24"

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: Groove

Wall Thickness: 8"

Floor Height: 0"

Height (Int): 24"

Height (Ext): 24"

Weight (Net): 3609 lb

Volume (Net): 0.92cu.yd