

Job Name: 26-3149 Northcrest Drive Stormwater System Imp.

Job Location: Nashville, TN

Contractor: Walker Building Group

Plant: Beaver Dam

9/11/2026 4:03:46 PM

Tech: S. Felletter

PC: T. Lewis

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: CB-01 CB12

P1 MH048BAVF

MH BASE Custom Ht F/n

P3) 28" x 34" - CASTING HEIGHT - 7"

P2) 48" - MH FLAT TOP - TDOT NO 12 (28"x34" Hole) F/F - 10"

P1) 48" - MH BASE Custom Ht F/n - 27"

1) CASTING - JBS 3123 MODIFIED SET

1) 48" - Conseal CS-102 1.00"

1) 28" x 34" - Conseal CS-102 1.00"

1) Hole - 25

0 lb

1497 lb

3002 lb

250 lb

0 lb

0 lb

0 lb

Structure Total: 4749 lb

Structure Notes:

1. PER TDOT D-CB-12RA / ASTM C478 SPEC'S.

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

3. NO INVERT CHANNEL.

4. CASTING BY ICAST (JBS 3123 F/G/H MOD).

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REINFORCING PER ASTM A615 (GRADE 60).

** PER TDOT STD DRAWING D-CB-12RA **

- TOP SLAB - DBL MAT #5 BARS.

- RISER (As .24)

- FLOOR (As .62) #5 BARS AT 6" C.C.E.W.

Rim: 566.71'

Rim to Invert: 3.52'

Slack: 0.74"

Sump: 2.5"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	563.19'	0°	0"	18" RCP B WALL	23"	Hole 25	25"	26.296"	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. dimenions)

(P3)

(P2)

(P1) <<

+ 0°-

Invert: 1

Degree: 0°

Horz: 0"

Hole: 25"

Up(): 0"

- 0°+

Invert: 1

Degree: 0°

Horz: 0"

Hole: 25"

Up(): 0"

INSIDE WALL DIMENSIONS

(P1)

360°

270°

180°

90°

0"

1

6"

27"

EXT

0"

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 5"

Floor Height: 6"

Height (Int): 27"

Height (Ext): 33"

Weight (Net): 3002 lb

Volume (Net): 0.77cu.yd