

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

Job Location: Nashville, TN

Contractor: Walker Building Group

Plant: Beaver Dam

9/11/2026 4:03:48 PM

Tech: S. Felletter

PC: T. Lewis

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: CB-03 CB12

P1MH060BAVF

MH BASE Custom Ht F/n

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

P2) 60" - MH FLAT TOP - TDOT NO 12 (28"x34" Hole) F/F - 10"

P1) 60" - MH BASE Custom Ht F/n - 34"

1) CASTING - JBS 3123 MODIFIED SET

1) 60" - Conseal CS-102 1.00"

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

1) Hole - 32

1) Hole - 25

1) DOGHOUSE INVRTD - 22"x19"

0 lb

3417 lb

5408 lb

250 lb

0 lb

0 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 9075 lb

Structure Notes:

1. PER TDOT D-CB-12RB / 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).

REINFORCING PER ASTM A615 (GRADE 60).

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

- TOP SLAB - DBL MAT #5 BARS.

- RISER (As .18)

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

Rim: 554.57'

Rim to Invert: 4.07'

Slack: 0.84"

Sump: 3"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	550.5'	0°	0"	24" RCP B WALL	30"	Hole 32	32"	33.752"	0"	0"
Invert 2	551.04'	160°	100.531"	18" RCP B WALL	23"	Hole 25	25"	25.787"	6.98"	0"
Invert 3	551.5'	215°	135.088"	18" CMP	19"	DOGHOUSE INVRTD 22"x19"	22" x 19"	22.525"	14.5"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

Invert: 2
Degree: 160°
Horz: 83.776"
Hole: 25"
Up(): 6.98"

Invert: 3
Degree: 215°
Horz: 112.574"
Hole: 22" x 19"
Up(): 14.5"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 32"
Up(): 0"

+ 0°-

UPSIDE-DOWN VIEW (int. dimenions)

Invert: 3
Degree: 215°
Horz: 112.574"
Hole: 22" x 19"
Up(): 14.5"

Invert: 2
Degree: 160°
Horz: 83.776"
Hole: 25"
Up(): 6.98"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 32"
Up(): 0"

- 0°+

(P3)

(P2)

(P1) <<

INSIDE WALL DIMENSIONS

(P1)

360°

270°

180°

90°

0°

14.5"

6.98"

0"

112.574"

83.776"

0"

3

2

1

8"

34"

EXT

Coating (Int):

Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 6"
Floor Height: 8"

Height (Int): 34"
Height (Ext): 42"

Weight (Net): 5408 lb
Volume (Net): 1.38cu.yd