

Job Name: 24-3511 Coles Ferry Section 18 & 19

Job Location: Lebanon, TN

Contractor: Covenant Constructors, LLC

Plant: Beaver Dam, KY

6/18/2026 10:58:16 AM

Tech: J. Horsley

PC: A. Chambers

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: JB4

P1MH060BAVF

MH BASE Custom Ht F/n

P3) 24" - CASTING HEIGHT - 7"

P2) 60" - MH FLAT TOP w/ 24" ECC Hole F/F - 8"

P1) 60" - MH BASE Custom Ht F/n - 36"

1) CASTING - JBS 1150 F/C STORM

1) 60" - Conseal CS-102 1.00"

1) 24" - Conseal CS-102 1.00" (Double)

1) Hole - 32

1) Hole - 26

1) Hole - 22

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

0 lb

2429 lb

5598 lb

250 lb

0 lb

0 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 8277 lb

Structure Notes: 1. PER ASTM C478 SPECIFICATIONS.

2. CONCRETE = 4,500 PSI AT 28 DAYS.

3. NO INVERT CHANNEL.

4. CASTING BY ICAST (JBS 1150 F/C)

REINFORCING PER ASTM A615 (GRADE 60).

- TOP SLAB H2O LOADING..

- RISER/WALLS (As .12)

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

Rim: 572.66'

Rim to Invert: 4.02'

Slack: 0.24"

Sump: 3"

Step Position: 0°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	568.64'	90°	56.5"	24" RCP B WALL	30"	Hole 32	32"	33.752"	0"	0"
Invert 2	568.64'	180°	113.125"	18" RCP B WALL	23"	Hole 26	26"	26.891"	0.5"	0"
Invert 3	568.64'	270°	169.625"	15" RCP B WALL	19.5"	Hole 22	22"	22.525"	0.75"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)

Invert: 1
Degree: 90°
Horz: 47.125"
Hole: 32"
Up(): 0"

Invert: 2
Degree: 180°
Horz: 94.25"
Hole: 26"
Up(): 0.5"

Invert: 3
Degree: 270°
Horz: 141.375"
Hole: 22"
Up(): 0.75"

Step: 0°
Horz: 0"

(P3)

(P2)

(P1) <<

Invert: 3
Degree: 270°
Horz: 141.375"
Hole: 22"
Up(): 0.75"

Invert: 2
Degree: 180°
Horz: 94.25"
Hole: 26"
Up(): 0.5"

Invert: 1
Degree: 90°
Horz: 47.125"
Hole: 32"
Up(): 0"

Step: 0°
Horz: 0"

(P1)

INSIDE WALL DIMENSIONS

0.75"

0.5"

0"

3

2

1

141.375"

94.25"

47.125"

360°

270°

180°

90°

0°

8"

36"

EXT

Coating (Int):

Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 6"
Floor Height: 8"

Height (Int): 36"
Height (Ext): 44"

Weight (Net): 5598 lb
Volume (Net): 1.43cu.yd