

Job Name: 26-1279 Hilltopper Hall Ph. 2

Job Location: Bowling Green, KY

Contractor: Stewart Richey

Plant: Beaver Dam

6/24/2026 8:45:22 AM

Tech: S. Felletter

PC: M. Sullivan

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: 6-3 ST-MH

P1MH048BA48MH BASE T/n

P4) 24" - CASTING HEIGHT - 7"

P3) 24" - GRADE RING F/F - 3"

P2) 48" - ECC CONE w/ 24" HOLE F/G - 36"

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

1) CASTING - HOE MCB-315-B Fr./Bar Grate

1) 48" - Conseal CS-102 1.00"

2) 24" - Conseal CS-102 1.00"

2) Hole - 16

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

0 lb

202 lb

3000 lb

4512 lb

255 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 7969 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

3. NO INVERT CHANNEL.

4. CASTING BY ICAST (HOE MCB-315-B).

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: 544'

Rim to Invert: 7.86'

Slack: 0.32"

Sump: 0"

Step Position: 95°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	536.14'	0°	0"	12" HDPE	14.5"	Hole 16	16"	16.312"	-1.25"	0"
Invert 2	536.14'	190°	96.168"	12" HDPE	14.5"	Hole 16	16"	16.312"	-1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

(P4)

(P3)

(P2)

(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)

Invert: 2
Degree: 190°
Horz: 79.587"
Hole: 16"
Up(): -1.25"

Step: 95°
Horz: 39.794"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 16"
Up(): -1.25"

UPSIDE-DOWN VIEW (int. dimenions)

Invert: 2
Degree: 190°
Horz: 79.587"
Hole: 16"
Up(): -1.25"

Step: 95°
Horz: 39.794"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 16"
Up(): -1.25"

INSIDE WALL DIMENSIONS

2

1

-1.25"

79.587"

-1.25"

0"

6"

48"

EXT

360°

270°

180°

90°

0°

Coating (Int):

Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

Height (Int): 48"
Height (Ext): 54"

Weight (Net): 4512 lb
Volume (Net): 1.15cu.yd