

Job Name: 26-1279 Hilltopper Hall Ph. 2

Job Location: Bowling Green, KY

Contractor: Stewart Richey

Plant: Beaver Dam

6/24/2026 8:45:24 AM

Tech: S. Felletter

PC: M. Sullivan

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: 4-5 ST-CB

P1 BX1818-06BA24

BOX BASE 6inW, 6inF F/n

P2) 18" x 18" - CASTING HEIGHT - 4"

P1) 18" x 18" - BOX BASE 6inW, 6inF F/n - 24"

1) CASTING - HOE 165A F/G

1) 18" x 18" - Conseal CS-102 1.00"

2) Hole - 16

0 lb

1411 lb

138 lb

0 lb

0 lb

Structure Total: 1549 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.

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

3. NO INVERT CHANNEL.

4. CASTING BY ICAST (HOE 165-A F/G).

REINFORCING PER ASTM A615 (GRADE 60).

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

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

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

Rim: 545.13'

Rim to Invert: 2.39'

Slack: 0.68"

Sump: 0"

Step Position: 90°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	542.74'	0°	15"	12" HDPE	14.5"	Hole 16	16"	16"	-1.25"	0"
Invert 2	542.74'	180°	15"	12" HDPE	14.5"	Hole 16	16"	16"	-1.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

Invert: 2

Degree: 180°

Horz: 9"

Hole: 16"

Up() : -1.25"

18"

18"

+ 0° -

Invert: 1

Degree: 0°

Horz: 9"

Hole: 16"

Up() : -1.25"

UPSIDE-DOWN VIEW (int. dimenions)

Invert: 2

Degree: 180°

Horz: 9"

Hole: 16"

Up() : -1.25"

18"

18"

- 0° +

Invert: 1

Degree: 0°

Horz: 9"

Hole: 16"

Up() : -1.25"

INSIDE WALL DIMENSIONS

Left

Back (18")

Right (18")

Front

-1.25"

9"

2

-1.25"

9"

1

6"

24"

EXT

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 6"

Floor Height: 6"

Height (Int): 24"

Height (Ext): 30"

Weight (Net): 1411 lb

Volume (Net): 0.36cu.yd