

Job Name: 26-1787 - Kroger Expansion

Job Location: Murray, KY

Contractor: Parker Excavating, LLC.

Plant: 100

7/22/2026 3:24:59 PM

Tech: J. Horsley

PC: J. Jarvis

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: C4 ST-MH

P1 MH048BA72

MH BASE T/n

P4) 24" - CASTING HEIGHT - 6.50"

P3) 48" - ECC CONE w/ 24" HOLE F/G - 30"

P2) 48" - MH RISER SPECIAL T/G - 48"

P1) 48" - MH BASE T/n - 72"

1) CASTING - JBS 1020 F/C DRAIN

2) 48" - Conseal CS-102 1.00"

1) Hole - 24

1) Hole - 18

1) Hole - 20

1) Hole - 10

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

0 lb

2050 lb

3320 lb

5919 lb

361 lb

0 lb

0 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 11650 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

3. CASTING BY ICAST (JBS 1020 F/C).

REINFORCING PER ASTM A615 (GRADE 60).

- CONE (As .12)

- RISER/WALLS (As .12)

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

Rim: 505.16'

Rim to Invert: 13'

Slack: 1.1"

Sump: 1.6"

Step Position: 170°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	492.16'	0°	0"	18" HP STORM	21.4"	Hole 24	24"	25.133"	0"	0"
Invert 2	494.5'	100°	50.625"	12" HP STORM	14.5"	Hole 18	18"	18.451"	28.5"	0"
Invert 3	495.87'	240°	121.5"	15" HP STORM	17.7"	Hole 20	20"	20.629"	44.875"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)

(P4)

(P3)

(P2)

(P1) <<

Step: 170°
Horz: 71.25"

Invert: 3
Degree: 240°
Horz: 100.5"
Hole: 20"
Up(): 44.875"

Invert: 2
Degree: 100°
Horz: 41.875"
Hole: 18"
Up(): 28.5"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 24"
Up(): 0"

+ 0° -

Step: 170°
Horz: 71.25"

Invert: 3
Degree: 240°
Horz: 100.5"
Hole: 20"
Up(): 44.875"

Invert: 2
Degree: 100°
Horz: 41.875"
Hole: 18"
Up(): 28.5"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 24"
Up(): 0"

- 0° +

INSIDE WALL DIMENSIONS

360°

270°

180°

90°

0°

44.875"

28.5"

41.875"

100.5"

72"

6"

0"

0"

EXT

Coating (Int):

Coating (Ext):

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 5"
Floor Height: 6"

Height (Int): 72"
Height (Ext): 78"

Weight (Net): 5919 lb
Volume (Net): 1.51cu.yd