

Job Name: 26-2117 - The Preserve at Priest Lake

Job Location: Nashville, TN

Contractor: Bear Construction LLC

Plant: 100

8/27/2026 1:59:24 PM

Tech: J. Horsley

PC: T. Ryan

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: OS1 ST-OCS

P2 BX4848-08R54

BOX RISER 8inW F/G

P3) 48" x 48" - CASTING HEIGHT - 0"

P2) 48" x 48" - BOX RISER 8inW F/G - 54"

P1) 48" x 48" - BOX BASE 8inW, 8inF, Variable Ht T/n - 30"

1) CASTING - TRASHRACKS LFS-3636-P SQ. Flush Mount Grate

2) 48" x 48" - Conseal CS-102 1.00"

1) Hole - 26

1) Orifice - 12"

1) Weir n/n - 48"x26"

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

0 lb

7492 lb

6828 lb

195 lb

0 lb

0 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 14515 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.

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

3. CASTING BY ICAST (TRASHRACKS LFS-4848)

.

REINFORCING PER ASTM A615 (GRADE 60).

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

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

Rim: 520'

Rim to Invert: 7'

Slack: 0"

Sump: 0"

Step Position: 90°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (⌋)	Offset
Invert 1										
Invert 2										
Invert 3	517.8'	180°	32"	48" x 26" Weir	48" x 26"	Weir 48"x26"	48" x 26"	48"	25.625"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

(P3)

(P2) <<

(P1)

Invert: 3

Degree: 180°

Horz: 24"

Hole: 48" x 26"

Up(⌋): 25.625"

Step: 90°

Shift: 0"

48"

48"

+ 0°-

INSIDE WALL DIMENSIONS

Front

Right (48")

Back (48")

Left

24"

24"

3

25.625"

54"

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: Groove

Wall Thickness: 8"

Floor Height: 0"

Height (Int): 54"

Height (Ext): 54"

Weight (Net): 7492 lb

Volume (Net): 1.91cu.yd