

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

Job Location: Nashville, TN

Contractor: Bear Construction LLC

Plant: 100

8/5/2026 2:42:38 PM

Tech: J. Horsley

PC: T. Ryan

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: OS3 ST-OCS

P1 BX3636-08BAVF

BOX BASE 8inW, 8inF, Variable Ht F/n

P2) 36" x 36" - CASTING HEIGHT - 0"

P1) 36" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 42"

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

1) 36" x 36" - Conseal CS-102 1.00"

1) Hole - 26

1) Hole - 9

1) Weir n/n - 24"x18"

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

0 lb

6088 lb

195 lb

0 lb

0 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 6283 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.

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

3. CASTING BY ICAST (TRASHRACKS LFS-3636)

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: 529.5'

Rim to Invert: 3.5'

Slack: -0.002"

Sump: 0"

Step Position: 90°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	526'	0°	26"	18" RCP B WALL	23"	Hole 26	26"	26"	-2.5"	0"
Invert 2	526'	180°	26"	9" Orifice	9"	Hole 9	9"	9"	0"	0"
Invert 3	528'	180°	26"	24" x 18" Weir	24" x 18"	Weir 24"x18"	24" x 18"	24"	24"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)

Invert: 3

Degree: 180°

Horz: 18"

Hole: 24" x 18"

Up(): 24"

Invert: 2

Degree: 180°

Horz: 18"

Hole: 9"

Up(): 0"

Step: 90°

Shift: 0"

36"

36"

+ 0°-

Invert: 1

Degree: 0°

Horz: 18"

Hole: 26"

Up(): -2.5"

Invert: 3

Degree: 180°

Horz: 18"

Hole: 24" x 18"

Up(): 24"

Invert: 2

Degree: 180°

Horz: 18"

Hole: 9"

Up(): 0"

Step: 90°

Shift: 0"

36"

36"

- 0°+

Invert: 1

Degree: 0°

Horz: 18"

Hole: 26"

Up(): -2.5"

INSIDE WALL DIMENSIONS

2

18"

24"

3

0"

18"

Left

Back (26")

Right (36")

Front

8"

42"

EXT

1

18"

-2.5"

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 42"

Height (Ext): 50"

Weight (Net): 6088 lb

Volume (Net): 1.56cu.yd