

Job Name: 25-3062 Portland Bypass
Job Location: Portland, TN
Contractor: Scotty's Contracting & Stone, LLC

Plant: Beaver Dam
6/1/2026 8:23:17 AM

Tech: J. Coppage
PC: C. Goff



Structure ID: MD-1

P1 BX4848-08BAVF

BOX BASE 8inW, 8inF, Variable Ht

P2) 48" x 48" - CASTING HEIGHT - 0"
P1) 48" x 48" - BOX BASE 8inW, 8inF, Variable Ht - 36"
1) CASTING - JBS TYPE 39 TDOT GRATES (48" X 48")
1) Hole - 25

0 lb
7833 lb
459 lb
0 lb

Structure Total: 8292 lb

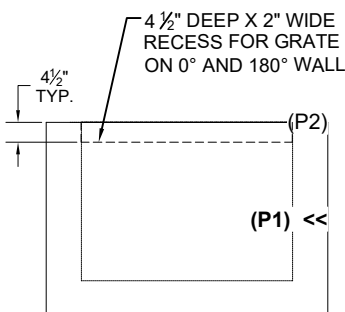
Structure Notes:
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. JBS TDOT TYPE 39 GRATE BY ICAST
4. REINFORCING PER TDOT DRAWING D-CB-39S
ASTM A615 (GRADE 60).
5. PRODUCTION TO PLACE A 4.5" DEEP X 2" WIDE
RECESS IN THE TOP INSIDE OF THE 0 DEGREE
AND THE 180 DEGREE WALL OF THE BASE.

Rim: 802.97' Rim to Invert: 2.79' Slack: -0.02" Sump: 2.5" Step Position:

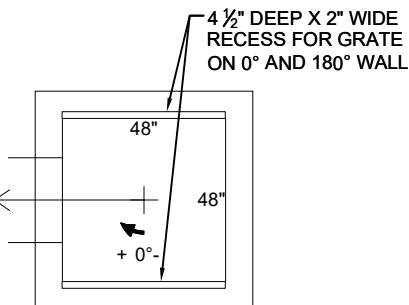
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	800.18'	90°	32"	18" RCP B WALL	23"	Hole 25	25"	25"	0"	0"
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

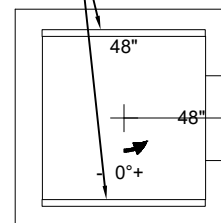
UPSIDE-DOWN VIEW (int. dimensions)



Invert: 1
Degree: 90°
Horz: 24"
Hole: 25"
Up(_): 0"



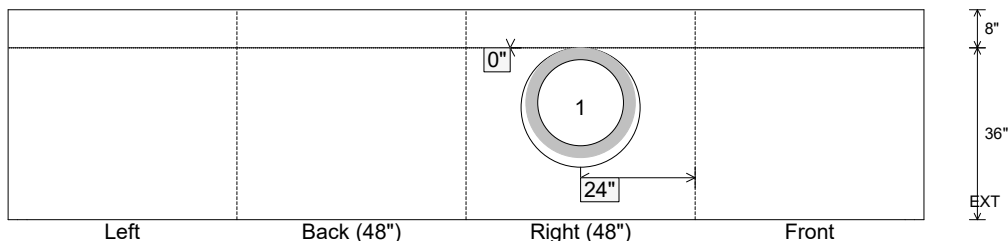
4 1/2" DEEP X 2" WIDE
RECESS FOR GRATE
ON 0° AND 180° WALL



Invert: 1
Degree: 90°
Horz: 24"
Hole: 25"
Up(_): 0"

INSIDE WALL DIMENSIONS

(P1)



Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 8"
Floor Height: 8"

Height (Int): 36"
Height (Ext): 44"

Weight (Net): 7833 lb
Volume (Net): 2cu.yd