

Job Name: 25-2647 Nichols West

Job Location: Gallatin, TN

Contractor: Hayes Pipe Supply

Plant: Beaver Dam

10/1/2026 10:33:06 AM

Tech: J. Coppage

PC: E. Bradley



Structure ID: D2

P1 MH072BAVF

MH BASE Custom Ht

P3) 28" x 28" - CASTING HEIGHT - 7.50"

P2) 72" - MH FLAT TOP w/(2) 28"x28" Holes - 10"

P1) 72" - MH BASE Custom Ht - 41"

1) 72" - Conseal CS-102 1.00"

1) 28" x 28" - Conseal CS-102 1.00"

1) DOGHOUSE INVRTD - 40"x41"

1) DOGHOUSE INVRTD - 40"x39"

1) Hole - 22

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

0 lb

3560 lb

7868 lb

0 lb

0 lb

0 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 11428 lb

Structure Notes:

1. (JBS 3300 DOUBLE SET PROVIDED BY OTHERS)

2. PER ASTM C478 SPECIFICATIONS.

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

4. REINFORCING PER ASTM A615 (GRADE 60).

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

- RISER/WALLS (As .18)

- FLOOR (As .37) #5 BARS AT 10" C.C.E.W.

Rim: 508.9'

Rim to Invert: 4.6'

Slack: 0.2"

Sump: 3.5"

Step Position: 300°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	504.3'	0°	0"	30" RCP B WALL	37"	DOGHOUSE INVRTD 40"x41"	40" x 41"	42.41"	0"	0"
Invert 2	504.4'	144°	108.071"	30" RCP B WALL	37"	DOGHOUSE INVRTD 40"x39"	40" x 39"	42.41"	1.2"	0"
Invert 3	504.4'	234°	175.615"	15" RCP B WALL	19.5"	Hole 22	22"	22.358"	2.45"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

Invert: 2
Degree: 144°
Horz: 90.478"
Hole: 40" x 39"
Up(): 1.2"

Invert: 3
Degree: 234°
Horz: 147.027"
Hole: 22"
Up(): 2.45"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 40" x 41"
Up(): 0"

Step: 300°
Horz: 188.496"

UPSIDE-DOWN VIEW (int. dimensions)

Invert: 2
Degree: 144°
Horz: 90.478"
Hole: 40" x 39"
Up(): 1.2"

Invert: 3
Degree: 234°
Horz: 147.027"
Hole: 22"
Up(): 2.45"

Invert: 1
Degree: 0°
Horz: 188.496"
Hole: 40" x 41"
Up(): 0"

Step: 300°
Horz: 188.496"

INSIDE WALL DIMENSIONS

2.45"

1.2"

0"

147.027"

90.478"

0"

360°

270°

180°

90°

0°

3

2

1

8"

41"

EXT

Coating (Int):

Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 7"
Floor Height: 8"

Height (Int): 41"
Height (Ext): 49"

Weight (Net): 7868 lb
Volume (Net): 2.01cu.yd