

Job Name: 26-3054 ADS Couchville Online

Job Location: Nashville, TN

Contractor: ADS Advanced Drainage Systems, Inc.

Plant: Beaver Dam

7/23/2026 12:30:35 PM

Tech: S. Felletter

PC: T. Ryan

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: WQU1

P3MH120RS96

MH RISER T/G

P6) 24" - CASTING HEIGHT - 7"

P5) 120" - MH FLAT LID w/24in CON Hole F/G - 18"

P4) 120" - MH RISER T/G - 24"

P3) 120" - MH RISER T/G - 96"

P2) 120" - MH RISER T/G - 84"

P1) 120" - MH BASE T/n - 24"

1) ASSEMBLY REQUIRED - BRACKETS ONLY

1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212

1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)

1) CASTING - HOE MC-375 F/C Storm

4) 120" - Conseal CS-102 1.00" (Double)

1) 24" - Conseal CS-102 1.00" (Double)

2) Hole - 34

0 lb

16678 lb

9117 lb

34772 lb

31909 lb

25064 lb

0 lb

0 lb

0 lb

271 lb

0 lb

0 lb

0 lb

Structure Total: 117811 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

3. CASTING BY ICAST (HOE MC-375 F/C "STORM").

4. LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE.

5. ASSEMBLY REQUIRED - BRACKETS ONLY.

REINFORCING PER ASTM A615 (GRADE 60).

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

- RISER/WALLS (As .36)

- FLOOR (As .47) #5 BARS AT 8" C.C.E.W.

Rim: 545.95'

Rim to Invert: 7.64'

Slack: 0.68"

Sump: 162"

Step Position: 0°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	538.31'	0°	0"	24" RCP B WALL	30"	Hole 34	34"	34.472"	43"	0"
Invert 2	538.31'	180°	223.053"	24" RCP B WALL	30"	Hole 34	34"	34.472"	43"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

(P6)

(P5)

(P4)

(P3) <<

(P2)

(P1)

Invert: 2

Degree: 180°

Horz: 188.496"

Hole: 34"

Up(): 43"

Invert: 1

Degree: 0°

Horz: 0"

Hole: 34"

Up(): 43"

INSIDE WALL DIMENSIONS

0°

90°

180°

270°

360°

EXT

96"

188.496"

43"

43"

1

2

(P3)

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: Groove

Wall Thickness: 11"

Floor Height: 0"

Height (Int): 96"

Height (Ext): 96"

Weight (Net): 34772 lb

Volume (Net): 8.88cu.yd