

Job Name: 26-2447 ADS West Wilson Middle

Job Location: Mt Juliet, TN

Contractor: ADS Advanced Drainage Systems, Inc.

Plant: Beaver Dam

6/4/2026 9:27:36 AM

Tech: S. Felletter

PC: T. Ryan

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: QL1

P3MH048RSVF

MH RISER Custom Ht T/G

P5) 24" - CASTING HEIGHT - 7"

P4) 48" - MH FLAT LID w/24" Center Hole F/G - 12"

P3) 48" - MH RISER Custom Ht T/G - 50"

P2) 48" - MH RISER T/G - 36"

P1) 48" - MH BASE T/n - 18"

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

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

1) ASSEMBLY REQUIRED

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

3) 48" - Conseal CS-102 1.00" (Double)

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

2) Hole - 20

0 lb

1580 lb

3222 lb

2515 lb

2588 lb

0 lb

0 lb

0 lb

271 lb

0 lb

0 lb

0 lb

10176 lb

Structure Total:

10176 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. P2 & P3 RISERS TO BE MECHANICALLY ATTACHED BEFORE INTERNAL INSTALLATION/DELIVERY.

REINFORCING PER ASTM A615 (GRADE 60).

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

- RISER/WALLS (As .12)

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

Rim: 553.9'

Rim to Invert: 3.55'

Slack: 0.6"

Sump: 81"

Step Position: 0°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (⌋)	Offset
Invert 1	550.35'	90°	45.553"	16" PVC C900	17.4"	Hole 20	20"	20.629"	20.75"	0"
Invert 2	550.35'	270°	136.659"	16" PVC C900	17.4"	Hole 20	20"	20.629"	20.75"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

(P5)

(P4)

(P3) <<

(P2)

(P1)

Invert: 1

Degree: 90°

Horz: 37.699"

Hole: 20"

Up(⌋): 20.75"

Invert: 2

Degree: 270°

Horz: 113.097"

Hole: 20"

Up(⌋): 20.75"

INSIDE WALL DIMENSIONS

0°

90°

180°

270°

360°

37.699"

113.097"

1

2

20.75"

20.75"

EXT

50"

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: Groove

Wall Thickness: 5"

Floor Height: 0"

Height (Int): 50"

Height (Ext): 50"

Weight (Net): 3222 lb

Volume (Net): 0.82cu.yd