

Job Name: 26-3349 ADS Nashville Display Expansion

Job Location: Lebanon, TN

Contractor: ADS Advanced Drainage Systems, Inc.

Plant: Beaver Dam

8/25/2026 2:41:00 PM

Tech: S. Felletter

PC: T. Ryan

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: WQU3

P3 MH120RSVF

MH RISER Custom Ht F/G

P5) 24" - CASTING HEIGHT - 4"

P4) 120" - MH FLAT LID w/24in CON Hole F/F - 12"

P3) 120" - MH RISER Custom Ht F/G - 86"

P2) 120" - MH RISER Custom Ht T/G - 86"

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

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

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

1) ASSEMBLY REQUIRED - BRACKETS ONLY

1) CASTING - HOE MC-285 F/C Storm

3) 120" - Conseal CS-102 1.25" (Double)

2) DOGHOUSE INVRTD - 40"x39"

1) Hole - 34

0 lb

13164 lb

29245 lb

32669 lb

25064 lb

0 lb

0 lb

0 lb

284 lb

0 lb

0 lb

0 lb

Structure Total: 100426 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

3. CASTING BY ICAST (HOE MC-285 F/C "STORM").

4. ASSEMBLY REQUIRED - BRACKETS ONLY.

REINFORCING PER ASTM A615 (GRADE 60).

- TOP SLAB (As .62)

BOTTOM MAT #5 BARS AT 6" C.C.E.W.

TOP MAT #4 BARS AT 12" O.C.E.W.

- RISER/WALLS (As .36)

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

Rim: 528.2'

Rim to Invert: 4.14'

Slack: -0.32"

Sump: 162"

Step Position: 0°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (⌋)	Offset
Invert 1	524.06'	0°	0"	30" RCP B WALL	37"	DOGHOUSE INVRTD 40"x39"	40" x 39"	40.78"	41.5"	0"
Invert 2	524.06'	152°	188.356"	30" RCP B WALL	37"	DOGHOUSE INVRTD 40"x39"	40" x 39"	40.78"	41.5"	0"
Invert 3	524.06'	268°	332.101"	24" RCP B WALL	30"	Hole 34	34"	34.472"	41"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

(P5)

(P4)

(P3) <<

(P2)

(P1)

RIGHT-SIDE UP VIEW (int. dimensions)

Invert: 2
Degree: 152°
Horz: 159.174"
Hole: 40" x 39"
Up(⌋): 41.5"

+ 0°-

Invert: 3
Degree: 268°
Horz: 280.649"
Hole: 34"
Up(⌋): 41"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 40" x 39"
Up(⌋): 41.5"

INSIDE WALL DIMENSIONS

0"

90°

159.174"

180°

280.649"

70°

0°

EXT

86"

1

2

3

(P3)

41.5"

41.5"

41"

Coating (Int):

Coating (Ext):

Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 11"
Floor Height: 0"

Height (Int): 86"
Height (Ext): 86"

Weight (Net): 29245 lb
Volume (Net): 7.47cu.yd