

Job Name: 26-3183 ADS Freedom's Way Commons

Job Location: Shelbyville, KY

Contractor: ADS Advanced Drainage Systems, Inc.

Plant: Beaver Dam

8/14/2026 12:27:26 PM

Tech: S. Felletter

PC: T. Ryan

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: STR-14

P2 MH060RS72S

MH RISER NO STEPS T/G

P5) 24" - CASTING HEIGHT - 7"

P4) 60" - MH FLAT TOP w/24" Ctr. Hole F/G - 13"

P3) 60" - MH RISER NO STEPS T/G - 72"

P2) 60" - MH RISER NO STEPS T/G - 72"

P1) 60" - MH BASE Custom Ht T/n - 27"

1) ASSEMBLY REQUIRED

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

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

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

3) 60" - Conseal CS-102 1.00" (Double)

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

2) Hole - 16

0 lb

2674 lb

7516 lb

7312 lb

5552 lb

0 lb

0 lb

0 lb

271 lb

0 lb

0 lb

0 lb

Structure Total: 23325 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.

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: 729.4'

Rim to Invert: 9.35'

Slack: 2.2"

Sump: 81"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	720.05'	0°	0"	12" HDPE	14.5"	Hole 16	16"	16.196"	47.25"	0"
Invert 2	720.05'	275°	172.788"	12" HDPE	14.5"	Hole 16	16"	16.196"	47.25"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

(P5)

(P4)

(P3)

(P2) <<

(P1)

RIGHT-SIDE UP VIEW (int. dimensions)

+ 0°-

Invert: 1

Degree: 0°

Horz: 0"

Hole: 16"

Up(): 47.25"

Invert: 2

Degree: 275°

Horz: 143.99"

Hole: 16"

Up(): 47.25"

INSIDE WALL DIMENSIONS

0"0°

90°

180°

143.99"275°

360°

1

2

47.25"

47.25"

(P2)

EXT

72"

Coating (Int):

Coating (Ext):

Seam Up: Tongue
Seam Dn: Groove

Wall Thickness: 6"
Floor Height: 0"

Height (Int): 72"
Height (Ext): 72"

Weight (Net): 7312 lb
Volume (Net): 1.87cu.yd