

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 12:27:28 PM

Tech: S. Felletter

PC: T. Ryan

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: STR-23

P2 MH036RSVF

MH RISER Custom Ht F/G

P4) 24" - CASTING HEIGHT - 4"

P3) 36" - MH FLAT TOP w/ 24" Ctr. Hole F/F - 6"

P2) 36" - MH RISER Custom Ht F/G - 62"

P1) 36" - MH BASE T/n - 18"

1) ASSEMBLY REQUIRED

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

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

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

2) 36" - Conseal CS-102 1.00" (Double)

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

2) Hole - 16

0 lb

538 lb

2476 lb

1525 lb

0 lb

0 lb

0 lb

284 lb

0 lb

0 lb

0 lb

4823 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. LIFTING ANCHORS TO BE INSTALLED ON THE OUTSIDE OF THE STRUCTURE.

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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: 733.7'

Rim to Invert: 2.95'

Slack: 0.36"

Sump: 54.96"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	730.75'	0°	0"	12" HDPE	14.5"	Hole 16	16"	16.58"	31.46"	0"
Invert 2	730.75'	259°	99.449"	12" HDPE	14.5"	Hole 16	16"	16.58"	31.46"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

(P4)

(P3)

(P2) <<

(P1)

RIGHT-SIDE UP VIEW (int. dimensions)

+ 0° -

Invert: 2

Degree: 259°

Horz: 81.367"

Hole: 16"

Up(): 31.46"

Invert: 1

Degree: 0°

Horz: 0"

Hole: 16"

Up(): 31.46"

INSIDE WALL DIMENSIONS

0°

90°

180°

270°

360°

0"

81.367"

1

2

(P2)

31.46"

31.46"

EXT

62"

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: Groove

Wall Thickness: 4"

Floor Height: 0"

Height (Int): 62"

Height (Ext): 62"

Weight (Net): 2476 lb

Volume (Net): 0.63cu.yd