

Job Name: 26-3263 ADS Hickory Commerce Center

Job Location: Whites Creek, TN 37189

Contractor: ADS Advanced Drainage Systems, Inc.

Plant: Beaver Dam

10/8/2026 3:31:23 PM

Tech: J. Coppage

PC:

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: WQU B2

P2MH096RS96

MH RISER F/G

P4) 24" - CASTING HEIGHT - 4"

P3) 96" - MH FLAT TOP w/ 24" Conc. Hole F/F - 12"

P2) 96" - MH RISER F/G - 96"

P1) 96" - MH MONOBASE 12F, Custom Ht T/n - 70"

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 - JBS 1072 F/C STORM

2) 96" - Conseal CS-102 1.00" (Double)

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

2) Hole - 32

0 lb

10340 lb

22680 lb

27716 lb

0 lb

0 lb

0 lb

250 lb

0 lb

0 lb

0 lb

60986 lb

Structure Total:

60986 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

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

3. CASTING BY ICAST (JBS 1072 F/C "STORM").

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

5. ASSEMBLY REQUIRED - BRACKETS ONLY (ASSEMBLY TO BE COMPLETED IN THE FIELD)

REINFORCING PER ASTM A615 (GRADE 60).

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

- RISER/WALLS (As .24)

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

Rim: 531'

Rim to Invert: 4.22'

Slack: 0.64"

Sump: 132"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	526.78'	0°	0"	24" RCP B WALL	30"	Hole 32	32"	32.624"	54"	0"
Invert 2	526.78'	180°	179.071"	24" RCP B WALL	30"	Hole 32	32"	32.624"	54"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

(P4)

(P3)

(P2) <<

(P1)

Invert: 2

Degree: 180°

Horz: 150.796"

Hole: 32"

Up(): 54"

Invert: 1

Degree: 0°

Horz: 0"

Hole: 32"

Up(): 54"

INSIDE WALL DIMENSIONS

0"0°

90°

150.796"30°

270°

360°

EXT

96"

1

2

54"

54"

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: Groove

Wall Thickness: 9"

Floor Height: 0"

Height (Int): 96"

Height (Ext): 96"

Weight (Net): 22680 lb

Volume (Net): 5.79cu.yd