

Job Name: 25-3195 - The Banks Lift Station and Forcemain

Job Location: Gallatin, TN

Contractor: W&O Construction

Plant: 100

5/28/2026 6:53:25 PM

Tech: Jared - F

PC: A. Chambers

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: WET WELL

P2 MH120RSVFCDARED

MH RISER Custom Ht w/CONBLOCK CDA RED T/G

P7) 48" x 48" - HATCH (CAST FLUSH) - 3.75"

P6) 120" - MH FLAT TOP w/48"x48" Hatch w/ConBlock-CDA Red F/G - 18"

P5) 120" - MH RISER w/CONBLOCK CDA RED T/G - 96"

P4) 120" - MH RISER Custom Ht w/CONBLOCK CDA RED T/G - 86"

P3) 120" - MH RISER Custom Ht w/CONBLOCK CDA RED T/G - 86"

P2) 120" - MH RISER Custom Ht w/CONBLOCK CDA RED T/G - 86"

P1) 120" - MH SEPARATE BASE-T EXT. 14" (170" OD) w/CONBLOCK CDA RED T/n - 12"

1) JOINT WRAP - 12" WD x 120" MAC WRAP

1) ADMIXTURE CONBLOCK CDA RED

1) HATCH (Alum.) - HALLIDAY W2S 48"x48"

5) 120" - Conseal CS-231 1.00" (Double)

1) 48" x 48" - Conseal CS-231 1.00" (Double)

2) Hole - 8

2) Hole - 6

1) PSX - 16Y NYLO

100 lb

14814 lb

36124 lb

32669 lb

32669 lb

32669 lb

29640 lb

0 lb

0 lb

126 lb

0 lb

0 lb

0 lb

0 lb

8 lb

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.

2. CONCRETE = 5,000 PSI AT 28 DAYS.

3. ADMIXTURE = CONBLOCK CDA RED.

4. HATCH SUPPLIED BY ICAST (HALLIDAY W2S 48"x48").

REINFORCING PER ASTM A615 (GRADE 60).

- TOP SLAB TOP LAYER = #4 BARS AT 12" C.C.E.W.

- TOP SLAB BTM LAYER = #5 BARS AT 6" C.C.E.W.

- RISER/WALLS (As .30)

- BOTTOM SLAB TONGUE = #5 BARS AT 6" C.C.E.W.

- BOTTOM SLAB = #6BARS AT 6" C.C.E.W. (DOUBLE MAT)

Rim: 458.5'

Rim to Invert: 7.94'

Slack: 0"

Sump: 276.72'

Structure Total: 178819 lb

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1										
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

(P7)

(P6)

(P5)

(P4)

(P3)

(P2) <<

(P1)

RIGHT-SIDE UP VIEW (int. dimensions)

+ 0°

INSIDE WALL DIMENSIONS

0°

90°

180°

270°

360°

EXT

86"

Coating (Int):

Coating (Ext):

Seam Up: Tongue

Seam Dn: Groove

Wall Thickness: 11"

Floor Height: 0"

Height (Int): 86"

Height (Ext): 86"

Weight (Net): 32669 lb

Volume (Net): 8.35cu.yd