

Job Name: 26-1645 East Bank Regional ARV's

Job Location: Nashville, TN

Contractor: Garney Companies, Inc.

Plant: Beaver Dam

6/26/2026 12:58:16 PM

Tech: S. Felletter

PC: J. Jarvis

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: ARV 4+84

P2 BX048096-06RVFX

BOX RISER 6inW, Variable Ht w/ XYPEX F/F

P4) 30" - CASTING HEIGHT - 4"

P3) 48" x 96" - CB FLAT TOP 8"W w/30"Hole w/ XYPEX F/F - 8"

P2) 48" x 96" - BOX RISER 6inW, Variable Ht w/ XYPEX F/F - 68"

P1) 48" x 96" - P.I.P. BY OTHERS - BTM SLAB F/n - 0"

1) CASTING - JBS 2220 F/G

2) 48" x 96" - Conseal CS-102 1.00" (Double)

4) DOGHOUSE - 20"x22"

0 lb

3875 lb

9850 lb

0 lb

250 lb

0 lb

0 lb

Structure Total: 13976 lb

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.

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

3. NO INVERT CHANNEL.

4. CASTING BY ICAST (JBS 2220 F/G).

5. TOP SLAB TO HAVE A FLAT TOP & FLOATED FINISH.

6. PE STAMPED DRAWINGS & CALC'S TO BE PROVIDED AFTER RECEIPT OF GENERAL DESIGN APPROVAL.

REINFORCING PER ASTM A615 (GRADE 60).

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

- WALLS (As .31) #5 BARS AT 12" C.C.E.W.

Rim: 421.65'

Rim to Invert: 6.35'

Slack: 0.2"

Sump: 4"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	415.3'	90°	72"	16" DI	17.5"	DOGHOUSE 20"x22"	20" x 22"	20"	1"	18"
Invert 2	415.3'	90°	36"	16" DI	17.5"	DOGHOUSE 20"x22"	20" x 22"	20"	1"	-18"
Invert 3	415.3'	270°	72"	16" DI	17.5"	DOGHOUSE 20"x22"	20" x 22"	20"	1"	18"
Invert 4	415.3'	270°	36"	16" DI	17.5"	DOGHOUSE 20"x22"	20" x 22"	20"	1"	-18"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

Invert: 1

Degree: 90°

Horz: 66"

Hole: 20" x 22"

Up(): 1"

Invert: 2

Degree: 90°

Horz: 30"

Hole: 20" x 22"

Up(): 1"

Invert: 3

Degree: 270°

Horz: 66"

Hole: 20" x 22"

Up(): 1"

Invert: 4

Degree: 270°

Horz: 30"

Hole: 20" x 22"

Up(): 1"

48"

+ 96"

+ 0°

INSIDE WALL DIMENSIONS

Front

Right (96")

Back (48")

Left

30"

66"

30"

66"

2

1

4

3

1"

1"

1"

1"

EXT

68"

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: Flat

Wall Thickness: 6"

Floor Height: 0"

Height (Int): 68"

Height (Ext): 68"

Weight (Net): 9850 lb

Volume (Net): 2.52cu.yd