

Job Name: 24-4208 - KYTC Christian Co. Call 100 (ID 241018)

Job Location: Hopkinsville, KY

Contractor: Scotty's Contracting & Stone, LLC

Plant: Beaver Dam

8/3/2026 4:20:48 PM

Tech: J. Horsley

PC: C. Goff

INFRASTRUCTURE

ICAST

PRECAST

Structure ID: 281 (441+18 RT)

P1 BX3648-08BAVF

BOX BASE 8inW, 8inF, Variable Ht F/n

P5) 24" x 120" - CB INLET KY A 10' TOP LEFT F/G - 10"

P4) 24" x 120" - CB INLET KY A 10' BOTTOM LEFT T/G - 18"

P3) 24" x 36" - FIELD ADJUSTMENT - 2"

P2) 36" x 48" - CB FT REDUCER 24"X36" HOLE T/F - 8"

P1) 36" x 48" - BOX BASE 8inW, 8inF, Variable Ht F/n - 47"

1) CASTING - HOE KY-206 F/C (KY TY1)

1) 36" x 48" - Conseal CS-102 1.00"

1) 24" x 36" - Conseal CS-102 1.00"

2) Hole - 44

1) Hole - 22

1) Hole - 6

3400 lb

5270 lb

0 lb

1654 lb

6233 lb

206 lb

0 lb

0 lb

0 lb

0 lb

0 lb

Structure Total: 16763 lb

Structure Notes:

** KYTC STATE PROJECT **

1. PER KYTC CBI TYPE A / ASTM C913 SPEC'S.

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

3. HOE KY-206 F/C CAST INTO TOP SLAB.

REINFORCING PER ASTM A615 (GRADE 60).

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

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

- WALLS (As .31) #5 BARS AT 6" C.C.E.W.

- FLOOR (As .31) #5 BARS AT 6" C.C.E.W.

Rim: 535.65'

Rim to Invert: 7.12'

Slack: 0.44"

Sump: 0"

Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	528.53'	270°	32"	36" HDPE	41.7"	Hole 44	44"	44"	-2.85"	0"
Invert 2	528.53'	90°	32"	36" HDPE	41.7"	Hole 44	44"	44"	-2.85"	0"
Invert 3	530.28'	180°	26"	15" RCP B WALL	19.5"	Hole 22	22"	22"	18.75"	0"
Invert 4	531.65'	90°	53"	4" HDPE (perf pipe)	4.8"	Hole 6	6"	6"	37.04"	21"
Invert 5										
Invert 6										
Invert 7										
Invert 8										

(P5)

(P4)

(P3)

(P2)

(P1) <<

RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimenions)

INSIDE WALL DIMENSIONS

Invert: 4
Degree: 90°
Horz: 45"
Hole: 6"
Up(): 37.04"

Invert: 3
Degree: 180°
Horz: 18"
Hole: 22"
Up(): 18.75"

Invert: 2
Degree: 90°
Horz: 24"
Hole: 44"
Up(): -2.85"

Invert: 1
Degree: 270°
Horz: 24"
Hole: 44"
Up(): -2.85"

36"

48"

+ 0°-

Invert: 3
Degree: 180°
Horz: 18"
Hole: 22"
Up(): 18.75"

Invert: 4
Degree: 90°
Horz: 45"
Hole: 6"
Up(): 37.04"

Invert: 2
Degree: 90°
Horz: 24"
Hole: 44"
Up(): -2.85"

Invert: 1
Degree: 270°
Horz: 24"
Hole: 44"
Up(): -2.85"

36"

48"

- 0°+

1

2

3

4

18.75"

37.04"

24"

18"

45"

24"

Left

Back (36")

Right (48")

Front

8"

47"

EXT

Coating (Int):

Coating (Ext):

Seam Up: Flat

Seam Dn: n/a

Wall Thickness: 8"

Floor Height: 8"

Height (Int): 47"

Height (Ext): 55"

Weight (Net): 6233 lb

Volume (Net): 1.59cu.yd