Job Name: 24-3462 Coles Ferry Section 20
Job Location: Lebanon, TN
Contractor: Covenant Constructors, LLC

Plant: Beaver Dam, KY
2/23/2026 3:38:11 PM

Tech: J. Horsley
PC: A. Chambers

Structure ID: OCS

P1 BX3636-08BAVF BOX BASE 8inW, 8inF, Variable Ht F/n

P2) 38" x 38" - RECESS/GRATE SEAT - 1.50"	0 lb
P1) 36" x 36" - BOX BASE 8inW, 8inF, Variable Ht F/n - 42"	6247 lb
1) CASTING - TRASHRACKS LSQ-36 Sq. Top Mount Trash Rack	226 lb
1) Pipe Screen - TRASHRACKS LPG-10-G Pipe Screen galvanized	25 lb
1) 36" x 36" - Conseal CS-102 1.00"	0 lb
1) Hole - 22	0 lb
1) Hole - 10	0 lb
1) Hole - 3	0 lb
1) Weir n/n - 18"x18"	0 lb
Structure Total:	6498 lb

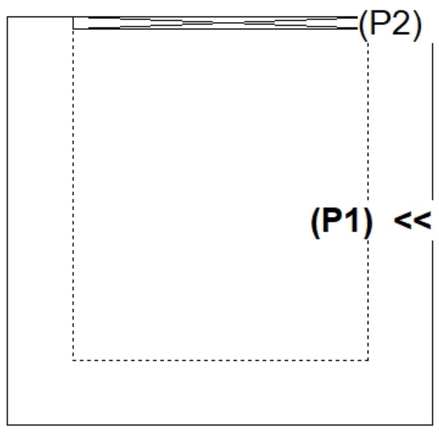
Structure Notes:
1. PER ASTM 913 SPECIFICATIONS.
2. CONCRETE = 4,500 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. CASTING BY ICAST (EJ 6636 SOLID COVER)
5. 38"x38" x 1-1/2" DEEP RECESS/GRATE SEAT.

REINFORCING PER ASTM A615 (GRADE 60).
- WALLS (As .31) #5 BARS AT 12" C.C.E.W.
- FLOOR (As. 31) #5 BARS AT 12" C.C.E.W.

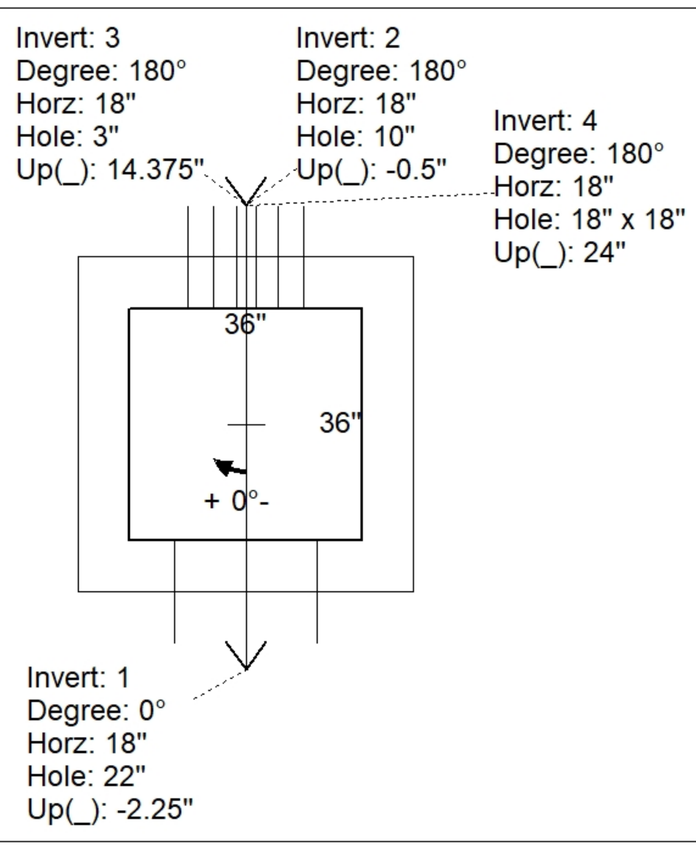
RFI:
a. VERIFY HEIGHT OF 18" WIDE WEIR OPENING.
b. VERIFY REQUIRED CASTING TYPE.

Rim: 548.5' Rim to Invert: 3.5' Slack: 0" Sump: 0" Step Position:

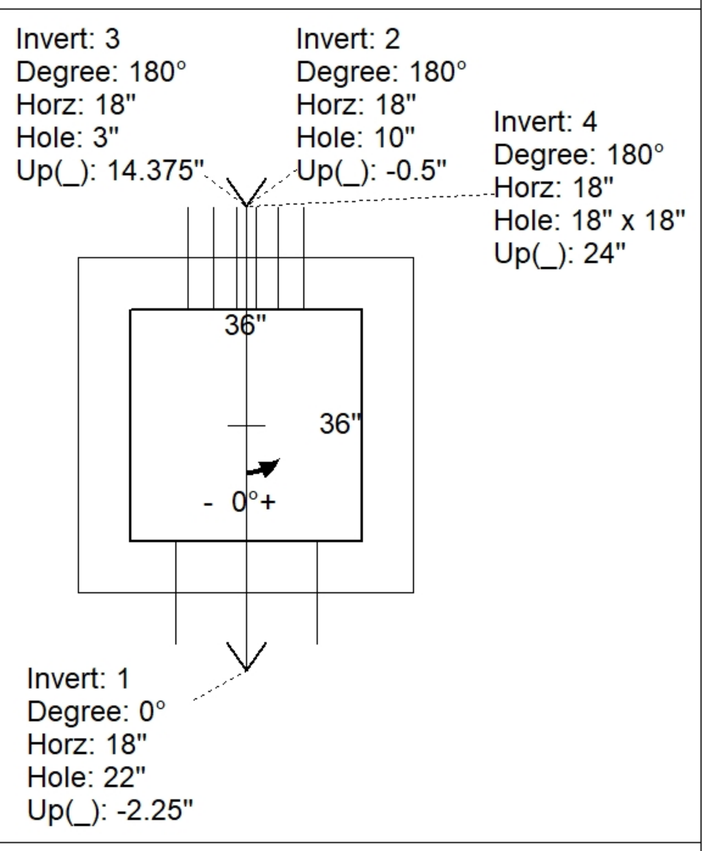
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	545'	0°	26"	15" RCP B WALL	19.5"	Hole 22	22"	22"	-2.25"	0"
Invert 2	545'	180°	26"	6" HDPE (perf pipe)	6.9"	Hole 10	10"	10"	-0.5"	0"
Invert 3	546.2'	180°	26"	3" Orifice	3"	Hole 3	3"	3"	14.375"	0"
Invert 4	547'	180°	26"	18" x 18" Weir	18" x 18"	Weir 18"x18"	18" x 18"	18"	24"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										



RIGHT-SIDE UP VIEW (int. dimensions)

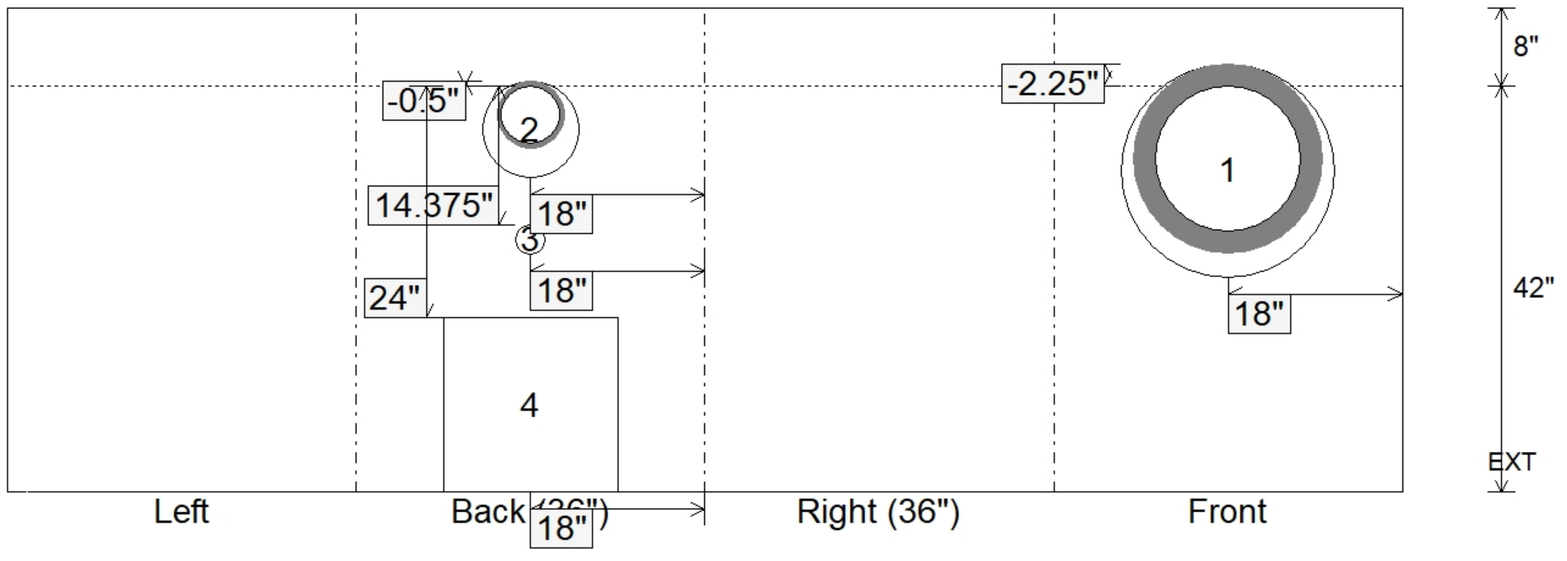


UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS

(P1)



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 42" Height (Ext): 50"	Weight (Net): 6247 lb Volume (Net): 1.6cu.yd