

Job Name: 25-1401 Irwin Landing Ph. 1
Job Location: Murfreesboro, TN
Contractor: Bear Construction LLC

PC: Erica Bradley

TECH: S. Felletter

Plant: Beaver Dam



Structure ID: R43

Spec: TDOT

Type: CB TYPE 10SB

Size: 48" x 48"

Rim: 569.45'

Invert: 561.3'

Rim to Invert: 8.15'

Sump: 4"

Floor (Top): 560.967'

Floor Height: 8"

Floor (Bot): 560.3'

Overall Height: 9.083'

Slack: 0.8"

Structure Notes:

1. PER TDOT D-CB-10SB / ASTM C913 SPEC'S.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. CASTING BY ICAST (JBS-3123 MOD SET).

REINFORCING PER ASTM A615 (GRADE 60).

** SEE TDOT STD DRAWING D-CB-10SB **

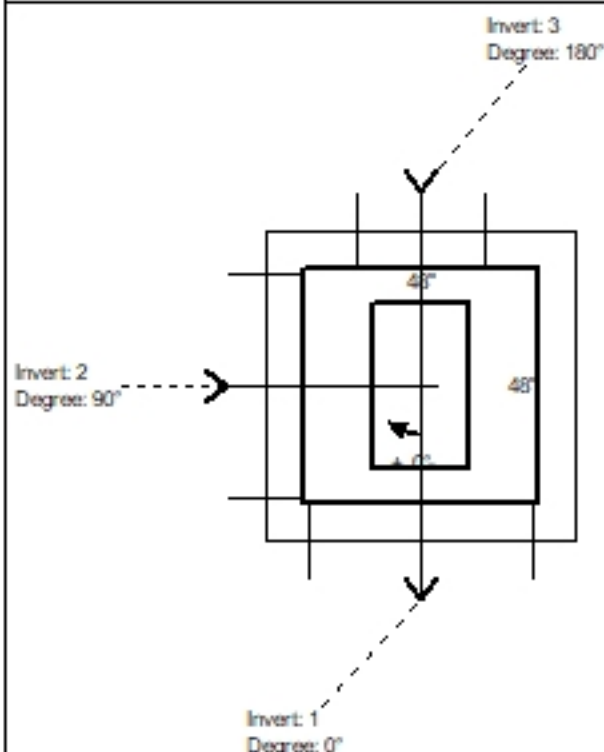
- TOP SLAB - DBL MAT #5 BARS.

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

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

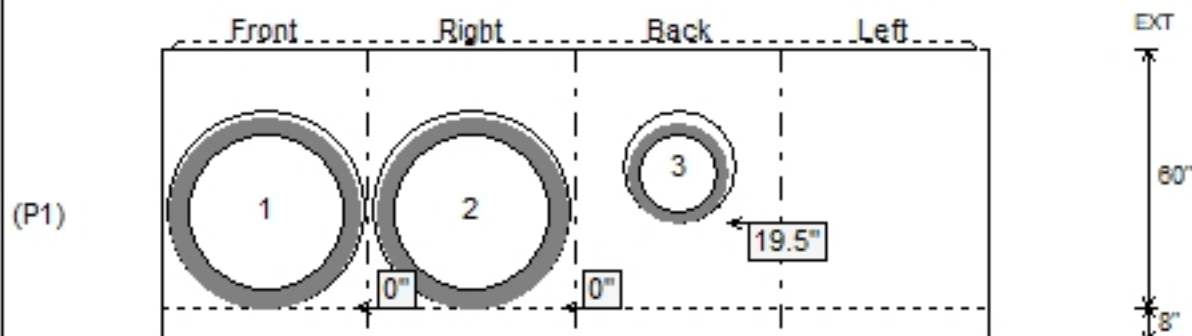
STRUCTURE SUMMARY:

P4) 20" x 34" - CASTING HEIGHT - 7"	0 lb
P3) 48" x 48" - BX FLAT LID 8"W - TDOT 10SB (20"x34" Hole) F/F - 10"	2888 lb
P2) 48" x 48" - BOX RISER 8inW F/G - 24"	3809 lb
P1) 48" x 48" - BOX BASE 8inW, 8inF T/n - 60"	9184 lb
1) 48" x 48" - STORM INVERT CHANNEL (FLAT) - 4" THK	450 lb
1) CASTING - JBS 3123 MODIFIED SET	250 lb
2) 48" x 48" - SGL 1"x14.5" Butyl (2x)	0 lb
2) Hole - 48	0 lb
1) Hole - 26	0 lb
Structure Total:	16359 lb



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up ()	Ref
Rim	569.45'							
Reducer								
Invert 1	561.3'	0°	36" RCP B WALL	44"	46"	Hole 48	0"	P1
Invert 2	561.3'	90°	36" RCP B WALL	44"	46"	Hole 48	0"	P1
Invert 3	562.8'	180°	18" RCP B WALL	23"	26"	Hole 26	19.5"	P1
Invert 4								
Invert 5								
Invert 6								
Invert 7								
Invert 8								

Default - Interior Dimensions



Submittal Drawing
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SUBMITTAL
APPROVED BY: