

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: R29

Spec: Storm

Type: BX 6inW, 6inF

Size: 28" x 28"

Rim: 578.51'

Invert: 574.63'

Rim to Invert: 3.88'

Sump: 2.5"

Floor (Top): 574.422'

Floor Height: 6"

Floor (Bot): 573.922'

Overall Height: 4.583'

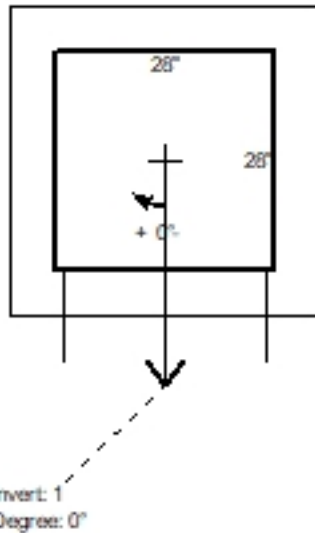
Slack: 0.06"

Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. CASTING BY ICAST (JBS-3104 SINGLE SET).
- 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.

STRUCTURE SUMMARY:

P2) 28" x 28" - CASTING HEIGHT - 5"	0 lb
P1) 28" x 28" - BOX BASE 6inW, 6inF, Variable Ht F/n - 44"	3551 lb
1) 28" x 28" - STORM INVERT CHANNEL (FLAT) - 4" THK	450 lb
1) CASTING - JBS 3104-V SINGLE SET	250 lb
1) 28" x 28" - Conesal CS-102 1.00"	0 lb
1) Hole - 28	0 lb
Structure Total:	4251 lb

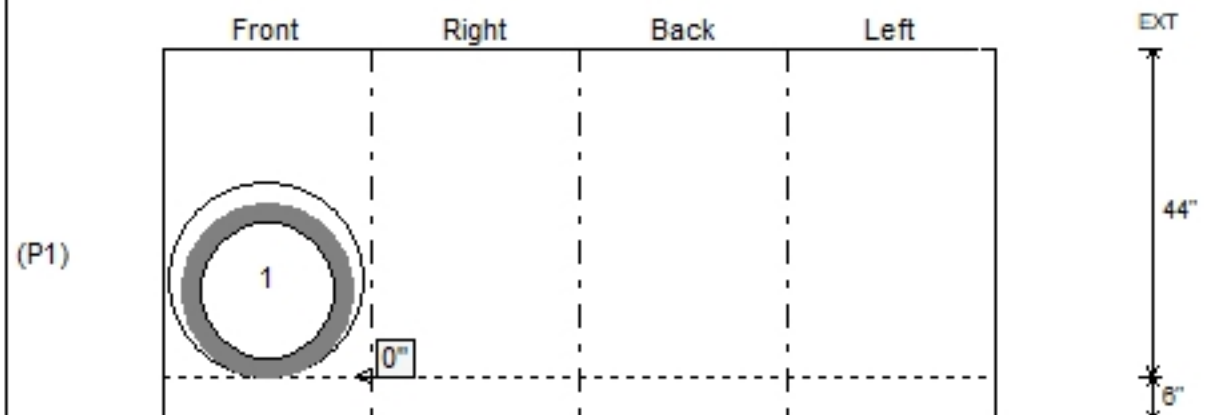


Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up ()	Ref
Rim	578.51'							
Reducer								
Invert 1	574.63'	0°	18" RCP B WALL	23"	28"	Hole 28	0"	P1
Invert 2								
Invert 3								
Invert 4								
Invert 5								
Invert 6								
Invert 7								
Invert 8								

28" x 28" - CASTING HEIGHT - 5" - (P2)

28" x 28" - BOX BASE 6inW, 6inF, Variable Ht F/n - 44" - (P1)

Default - Interior Dimensions



Submittal Drawing
6/10/2026 3:15:33 PM

SUBMITTAL
APPROVED BY: