

Job Name: 24-3511 Coles Ferry Section 18 & 19
Job Location: Lebanon, TN
Contractor: Covenant Constructors, LLC

PC: A. Chambers

TECH: J. Horsley

Plant: Beaver Dam, KY



Structure ID: JB3

Spec: Storm
Type: STM.MH
Size: 48"

Rim: 571.95'
Invert: 569.55'
Rim to Invert: 2.4'

Sump: 2.5"
Floor (Top): 569.342'
Floor Height: 6"

Floor (Bot): 568.842'
Overall Height: 3.083'
Slack: 0.3"

Structure Notes:

1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,500 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. CASTING BY ICAST (JBS 1072 F/C).

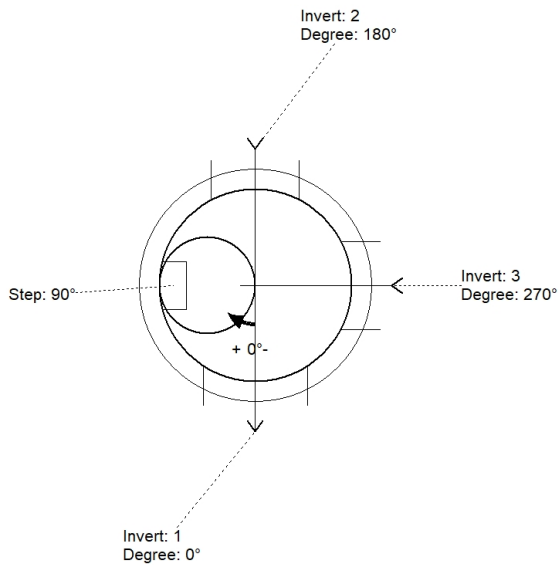
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB = H20 LOADING.
- WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

STRUCTURE SUMMARY:

- P3) 24" - CASTING HEIGHT - 4"
P2) 48" - MH FLAT TOP w/ 24" ECC Hole F/F - 7"
P1) 48" - MH BASE Custom Ht F/n - 20"
1) CASTING - JBS 1072 F/C STORM
1) 48" - Con Seal CS-102 1.00"
1) DOGHOUSE INVRTD - 26"x24"
2) DOGHOUSE INVRTD - 22"x20.25"
1) MH Step ML-10-TDS-NCR - 10"

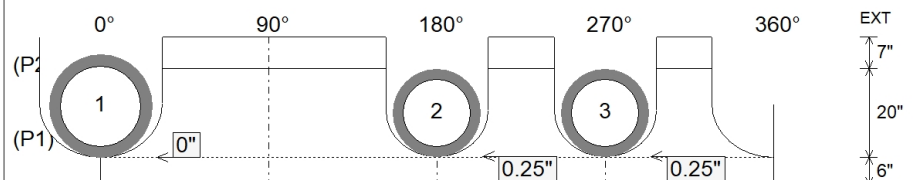
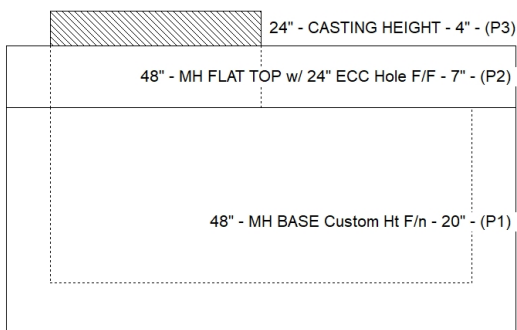
0 lb
798 lb
2193 lb
250 lb
0 lb
0 lb
0 lb
0 lb

Structure Total: 3242 lb



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up ()	Ref
Rim	571.95'							
Reducer								
Invert 1	569.55'	0°	18" RCP B WALL	23"	26" x 24"	DOGHOUSE INVRTD 26"x24"	0"	P1
Invert 2	569.55'	180°	15" RCP B WALL	19.5"	22" x 20.25"	DOGHOUSE INVRTD 22"x20.25"	0.25"	P1
Invert 3	569.55'	270°	15" RCP B WALL	19.5"	22" x 20.25"	DOGHOUSE INVRTD 22"x20.25"	0.25"	P1
Invert 4								
Invert 5								
Invert 6								
Invert 7								
Invert 8								

Cast (Int. Dim.) - Interior Dimensions



Submittal Drawing
8/4/2026 3:08:19 PM

SUBMITTAL
APPROVED BY: