

**Job Name: 25-1951 - Speedway Site Design**  
**Job Location: Horse Cave, KY**  
**Contractor: Scotty's Contracting & Stone, LLC**

PC: C. Goff  
 TECH: J. Horsley - F  
 Plant: 100



Structure ID: 102  
 Spec: Storm  
 Type: STM.MH  
 Size: 48"

Rim: 578.85'  
 Invert: 575.35'  
 Rim to Invert: 3.5'

Sump: 3"  
 Floor (Top): 575.1'  
 Floor Height: 6"

Floor (Bot): 574.6'  
 Overall Height: 4.25'  
 Slack: 0"

**Structure Notes:**

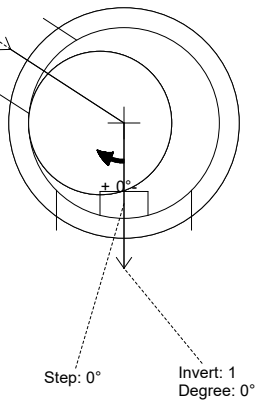
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. CASTING BY I-CAST (HOE MCB-747B FR./BAR GRATE).

REINFORCING PER ASTM A615 (GRADE 60).  
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W..  
 - RISER/WALLS (As .12)  
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

**STRUCTURE SUMMARY:**

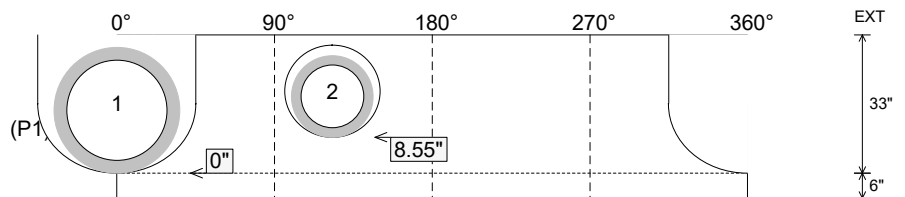
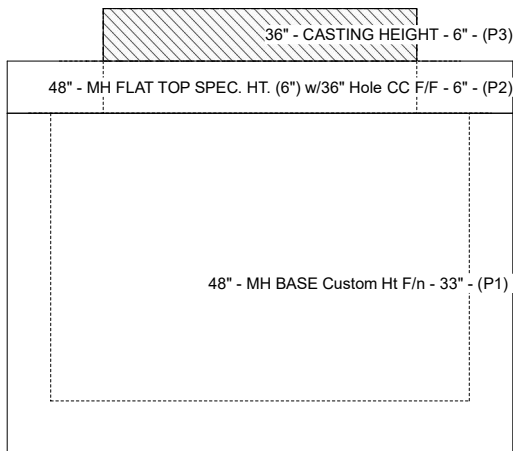
P3) 36" - CASTING HEIGHT - 6"	0 lb
P2) 48" - MH FLAT TOP SPEC. HT. (6") w/36" Hole CC F/F - 6"	818 lb
P1) 48" - MH BASE Custom Ht F/n - 33"	3013 lb
1) CASTING - HOE MCB-747B Fr./Bar Grate	675 lb
1) 48" - Conseal CS-102 1.00"	0 lb
1) 36" - Conseal CS-102 1.00"	0 lb
1) DOGHOUSE INVRTD - 34"x33"	0 lb
1) Hole - 22	0 lb
3) MH Step ML-10-TDS-NCR - 10"	0 lb
<b>Structure Total:</b>	<b>4506 lb</b>

Invert: 2  
 Degree: 123°



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up (L)	Ref
Rim	578.85'							
Reducer								
Invert 1	575.35'	0°	24" RCP B WALL	30"	34" x 33"	DOGHOUSE INVRTD 34"x33"	0"	P1
Invert 2	576'	123°	15" RCP B WALL	19.5"	22"	Hole 22	8.55"	P1
Invert 3								
Invert 4								
Invert 5								
Invert 6								
Invert 7								
Invert 8								

**Cast (Int. Dim.) - Interior Dimensions**



Submittal Drawing  
 12/3/2025 8:03:54 AM

SUBMITTAL  
 APPROVED BY: