Job Name: 25-3118 - W6 Ph 2-C Force Main Improvements
Job Location: Fort Mitchell, KY 41017
Contractor: Lykins Contracting

PC: Celina Goff
TECH: J. Horsley - A
Plant: 100

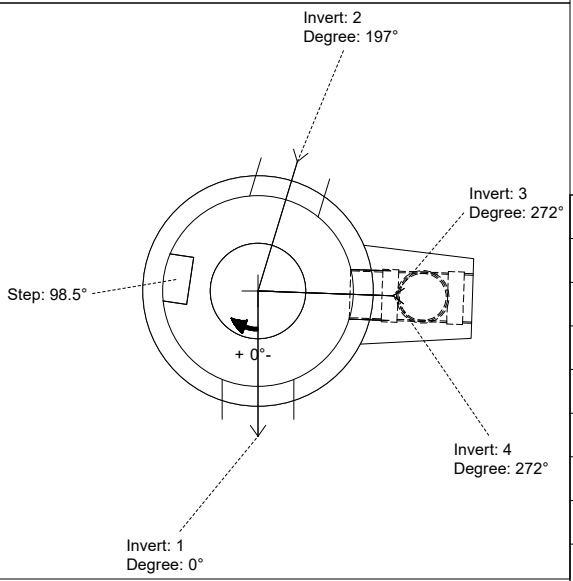
Structure ID: **1750296**

Spec: Sanitary	Rim: 766.03'	Sump: 2"	Floor (Bot): 756.896'
Type: SAN.MH w/Ext. Drop	Invert: 757.73'	Floor (Top): 757.563'	Overall Height: 9.083'
Size: 48"	Rim to Invert: 8.3'	Floor Height: 8"	Slack: 0.6"

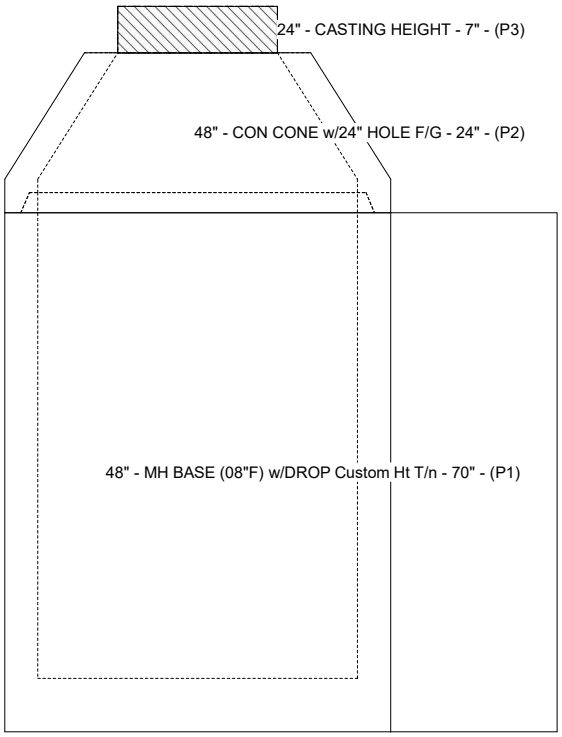
Structure Notes:
1. PER ASTM C-478 SPECIFICATIONS
2. CONCRETE: 4,000 PSI AT 28 DAYS
3. REINFORCEMENT:
   - CONE: PER ASTM A615
   - BASE WALLS: PER ASTM A615 - DOUBLE MAT
   - BASE FLOOR: #5 BAR @ 12" C.C. E.W. (GRADE 60)
4. INVERT CHANNEL REQUIRED
5. STEPS AT 98.5 DEGREES
6. 7" CASTING SUPPLIED BY OTHERS
7. EXTERIOR DROP AT INVERTS 3 & 4 SUPPLIED BY ICAST

STRUCTURE SUMMARY:

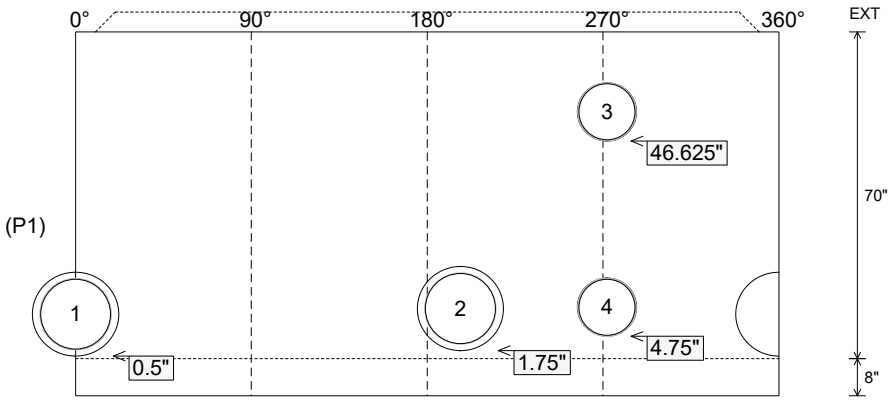
P3) 24" - CASTING HEIGHT - 7"	0 lb
P2) 48" - CON CONE w/24" HOLE F/G - 24"	2252 lb
P1) 48" - MH BASE (08"F) w/DROP Custom Ht T/n - 70"	13059 lb
1) 48" - MH INVERT CHANNEL - FULL HEIGHT	1440 lb
1) 48" - Conseal CS-102 1.00" (Double)	0 lb
2) Kor-N-Seal2 - S206-18L	12 lb
1) Drop Tee - 12" PVC	0 lb
1) Drop Elbow - 12" PVC	0 lb
8) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	16763 lb



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up (_)	Ref
Rim	766.03'							
Reducer								
Invert 1	757.73'	0°	15" PVC SDR35	15.3"	18"	Kor-N-Seal2 S206-18L	0.5"	P1
Invert 2	757.83'	197°	15" PVC SDR35	15.3"	18"	Kor-N-Seal2 S206-18L	1.75"	P1
Invert 3	761.47'	272°	12" PVC SDR35	12.5"	12.5"	Drop Tee 12" PVC	46.625"	P1
Invert 4	757.98'	272°	12" PVC SDR35	12.5"	12.5"	Drop Elbow 12" PVC	4.75"	P1
Invert 5								
Invert 6								
Invert 7								
Invert 8								



Cast (Int. Dim.) - Interior Dimensions



Submittal Drawing
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SUBMITTAL
APPROVED BY: