

Contractor: Harakas

Plant: Beaver Dam



Type: SAN.MH w/Ext. Drop/ConBlock-CDA Red
Size: 48"

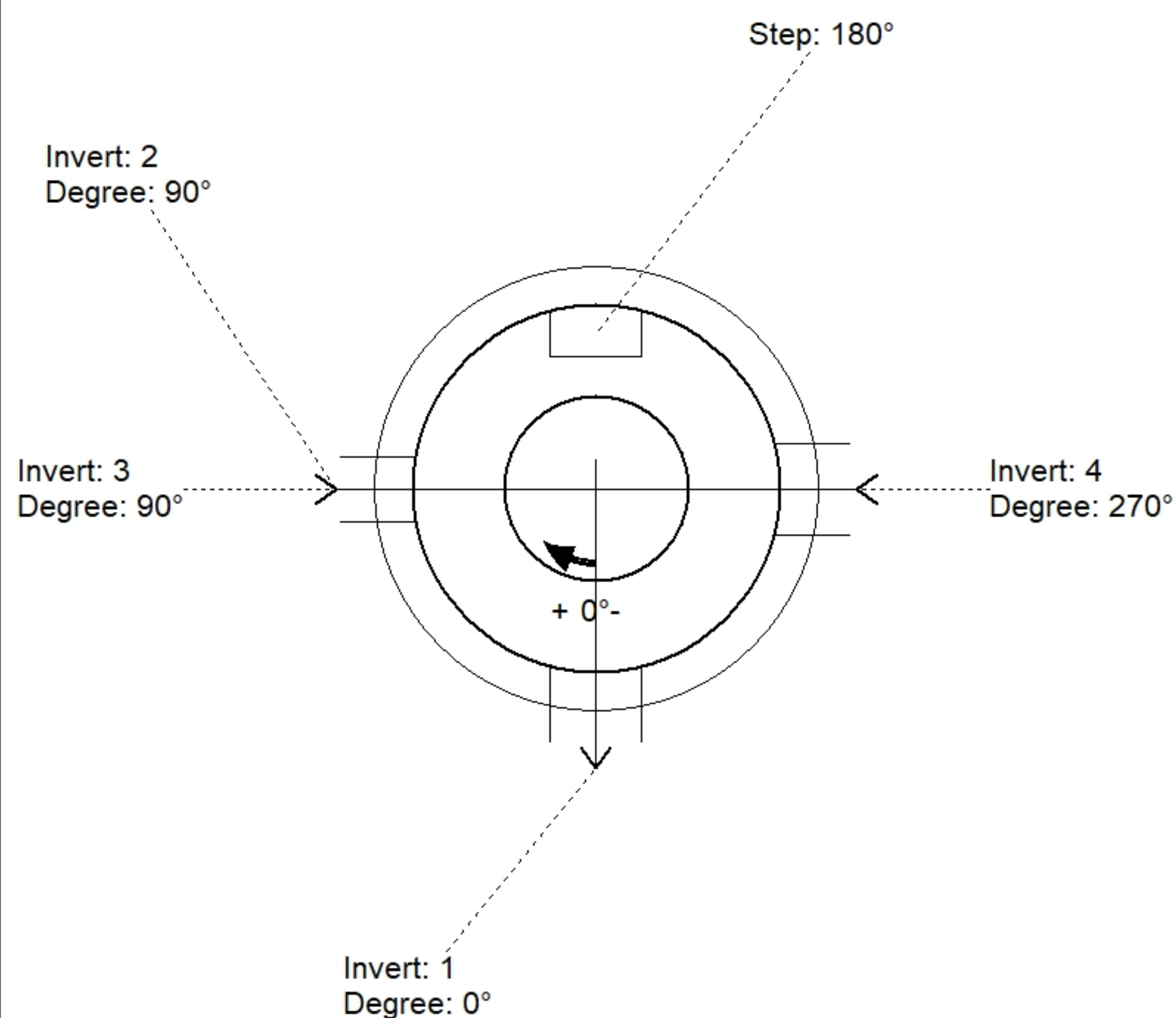
Sump: 2"
Floor (Top): 509.063'
Floor Height: 6"

Floor (Bot): 508.563'
Overall Height: 14'
Slack: 2.84"

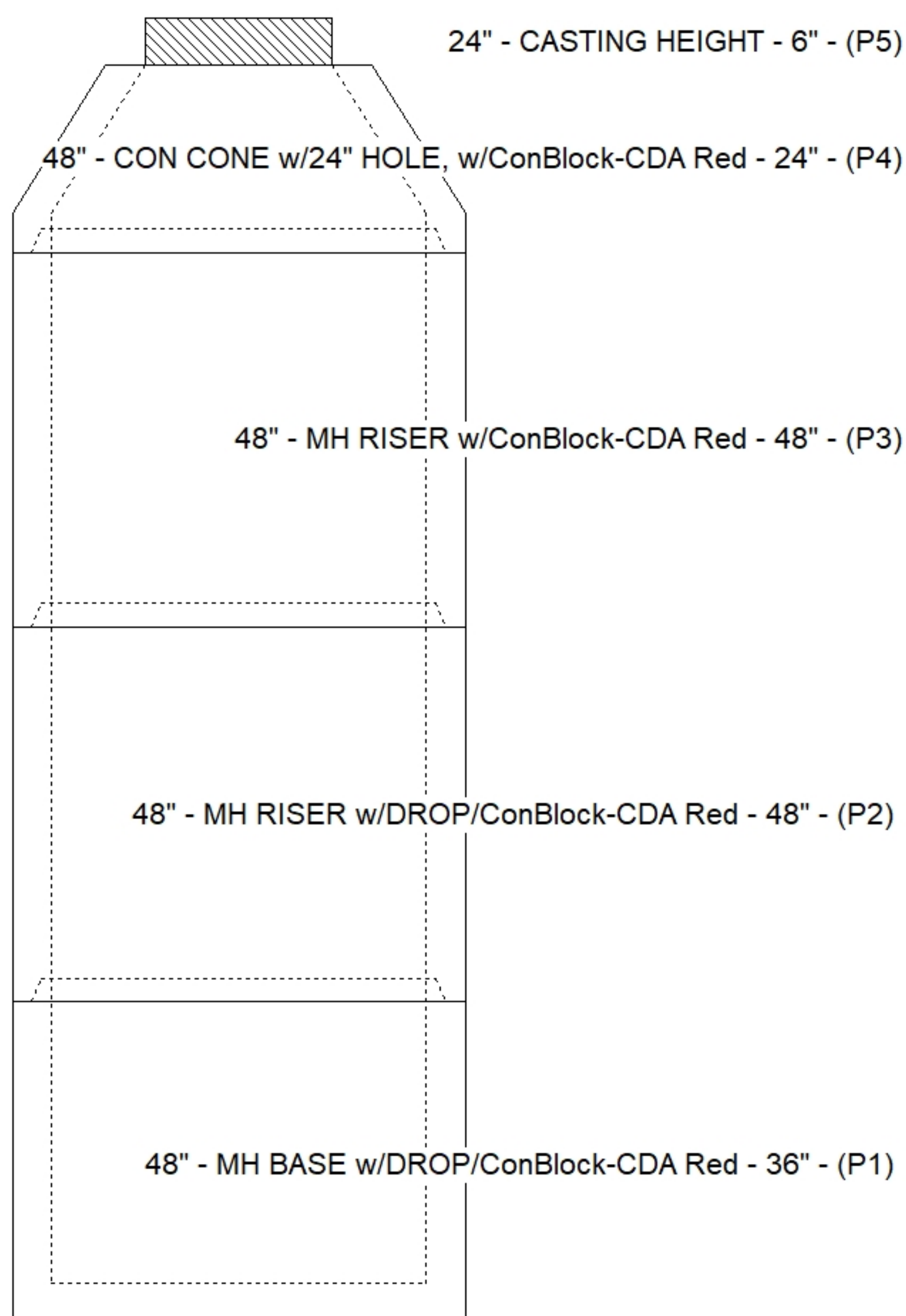
1. JBS 1155 SANITARY PROVIDED BY ICAST.
2. PER ASTM C478 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. ADMIXTURE = CONBLOCK CDA RED.
5. REINFORCING PER ASTM A615 (GRADE 60).
 - CONE (As .12)
 - RISER/WALLS (As .12)
 - FLOOR (As .31) #5 BARS AT 12" C.C.E.W.

- P5) 24" - CASTING HEIGHT - 6"
- P4) 48" - CON CONE w/24" HOLE, w/ConBlock-CDA Red - 24"
- P3) 48" - MH RISER w/ConBlock-CDA Red - 48"
- P2) 48" - MH RISER w/DROP/ConBlock-CDA Red - 48"
- P1) 48" - MH BASE w/DROP/ConBlock-CDA Red - 36"
- 1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212
- 1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)
- 1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT
- 1) CASTING - JBS 1155 F/C SANITARY
- 3) 48" - Conseal CS-102 1.00" (Double)
- 1) 24" - Conseal CS-102 1.00" (Double)
- 2) PSX - 12-08 NYLO
- 1) Drop Tee - 8" PVC
- 1) Drop Elbow - 8" PVC
- 13) MH Step ML-10-TDS-NCR - 10"

Structure Total: 13411 lb



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up (⌵)	Ref
Rim	522.8'							
Reducer								
Invert 1	509.23'	0°	8" PVC SDR26	8.5"	12"	PSX 12-08 NYLO	0"	P1
Invert 2	514.08'	90°	8" PVC SDR26	8.5"	8.5"	Drop Tee 8" PVC	19.7"	P2
Invert 3	509.43'	90°	8" PVC SDR26	8.5"	8.5"	Drop Elbow 8" PVC	4.15"	P1
Invert 4	509.43'	270°	8" PVC SDR26	8.5"	12"	PSX 12-08 NYLO	2.4"	P1
Invert 5								
Invert 6								
Invert 7								
Invert 8								



The schematic diagram illustrates the experimental setup for measuring the velocity profile. It shows a rectangular domain divided into two horizontal sections. The top section is labeled (P2) and has a height of 48". The bottom section is labeled (P1) and has a height of 36". The total height of the domain is 84". The width of the domain is 36". Four measurement points are indicated by circles and numbered 1 through 4. Point 1 is at the bottom left corner, point 2 is at the top left corner, point 3 is at the bottom center, and point 4 is at the bottom right corner. The distances from the wall to each point are given in inches: 0" for point 1, 19.7" for point 2, 4.15" for point 3, and 2.4" for point 4. The angles 0°, 90°, 180°, 270°, and 360° are marked along the top edge.

SUBMITTAL
APPROVED BY: