

Contractor: Harakas

Plant: Beaver Dam



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

Rim: 530'
Invert: 516.38'
Rim to Invert: 13.62'

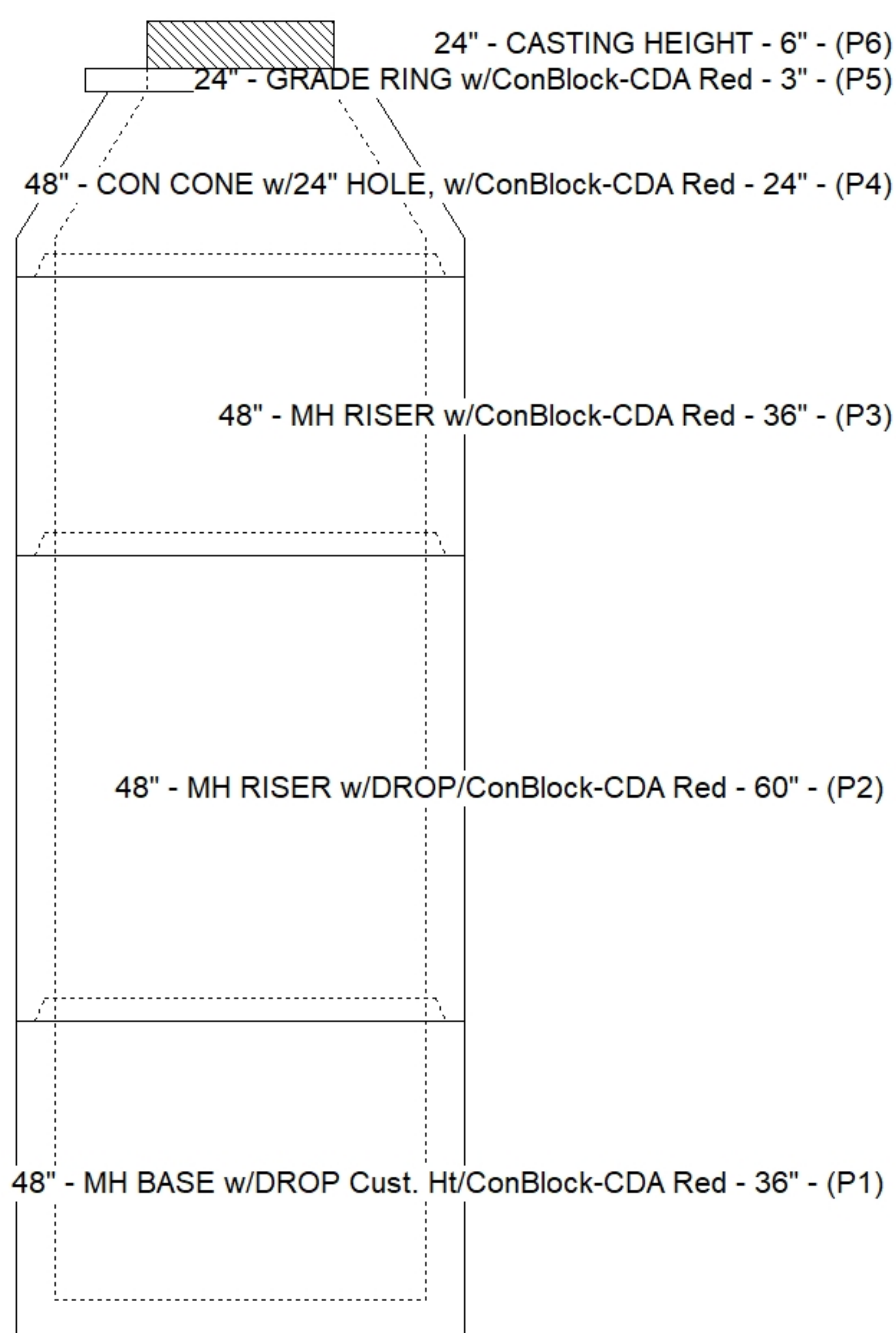
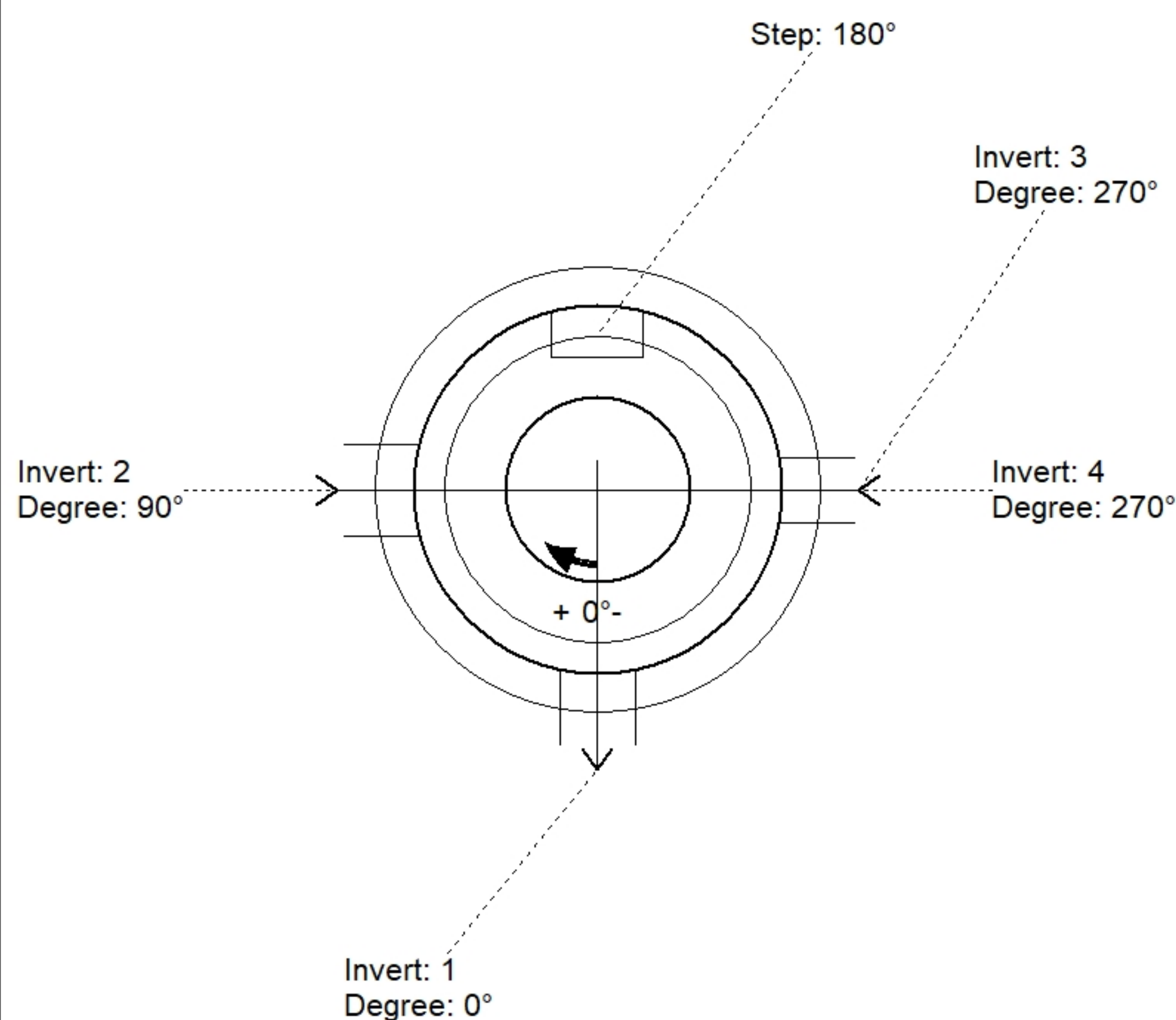
Sump: 2"
Floor (Top): 516.213'
Floor Height: 6"

Floor (Bot): 515.713'
Overall Height: 14.25'
Slack: 0.44"

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.

P6) 24" - CASTING HEIGHT - 6"	0 lb
P5) 24" - GRADE RING w/ConBlock-CDA Red - 3"	202 lb
P4) 48" - CON CONE w/24" HOLE, w/ConBlock-CDA Red - 24"	1297 lb
P3) 48" - MH RISER w/ConBlock-CDA Red - 36"	2515 lb
P2) 48" - MH RISER w/DROP/ConBlock-CDA Red - 60"	4168 lb
P1) 48" - MH BASE w/DROP Cust. Ht/ConBlock-CDA Red - 36"	3742 lb
1) JOINT WRAP - 0.065"x6"x50' CONSEAL CS212	0 lb
1) JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)	0 lb
1) 48" - MH INVERT CHANNEL w/ConBlock-CDA Red - FULL HEIGHT	1440 lb
1) CASTING - JBS 1155 F/C SANITARY	250 lb
3) 48" - Conseal CS-102 1.00" (Double)	0 lb
2) 24" - Conseal CS-102 1.00" (Double)	0 lb
1) A-Lok - 0285	1 lb
1) PSX - 12-08 NYLO	8 lb
1) Drop Tee - 8" PVC	0 lb
1) Drop Elbow - 8" PVC	0 lb
13) MH Step ML-10-TDS-NCR - 10"	0 lb

Structure Total:	13623 lb
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Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up (⌵)	Ref
Rim	530'							
Reducer								
Invert 1	516.38'	0°	8" PVC SDR26	8.5"	9.75"	A-Lok 0285	1.125"	P1
Invert 2	516.58'	90°	8" PVC SDR26	8.5"	12"	PSX 12-08 NYLO	2.4"	P1
Invert 3	522.28'	270°	8" PVC SDR26	8.5"	8.5"	Drop Tee 8" PVC	32.3"	P2
Invert 4	516.58'	270°	8" PVC SDR26	8.5"	8.5"	Drop Elbow 8" PVC	4.15"	P1
Invert 5								
Invert 6								
Invert 7								
Invert 8								

SUBMITTAL
APPROVED BY: