

Job Name: 25-1706 WCWD Flow For Our Future Master Meter Vaults
Job Location: Bowling Green, KY
Contractor: Cleary Construction, Inc.

PC: C. Goff
 TECH: J. Coppage
 Plant: Beaver Dam



Structure ID: FORCE MAIN CHECK VALVE VAULT

Spec: Storm-Pipe Centered
 Type: BX 6inW, 8inF
 Size: 96" x 120"

Rim: 7.75'
 Invert: 2.123'
 Rim to Invert: 5.628'

Sump: 25.47"
 Floor (Top): 0'
 Floor Height: 8"

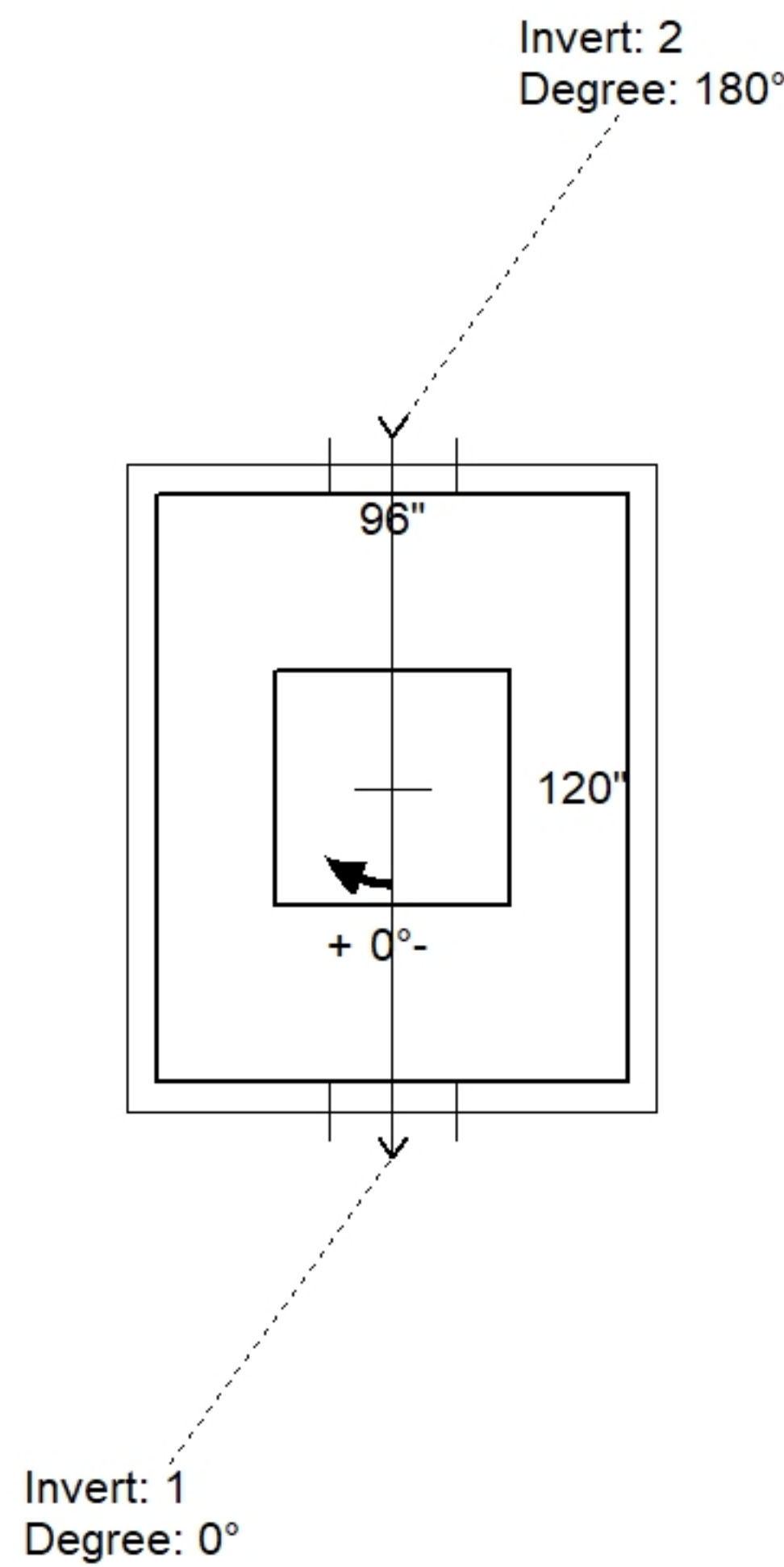
Floor (Bot): -0.667'
 Overall Height: 8.417'
 Slack: 0"

Structure Notes:

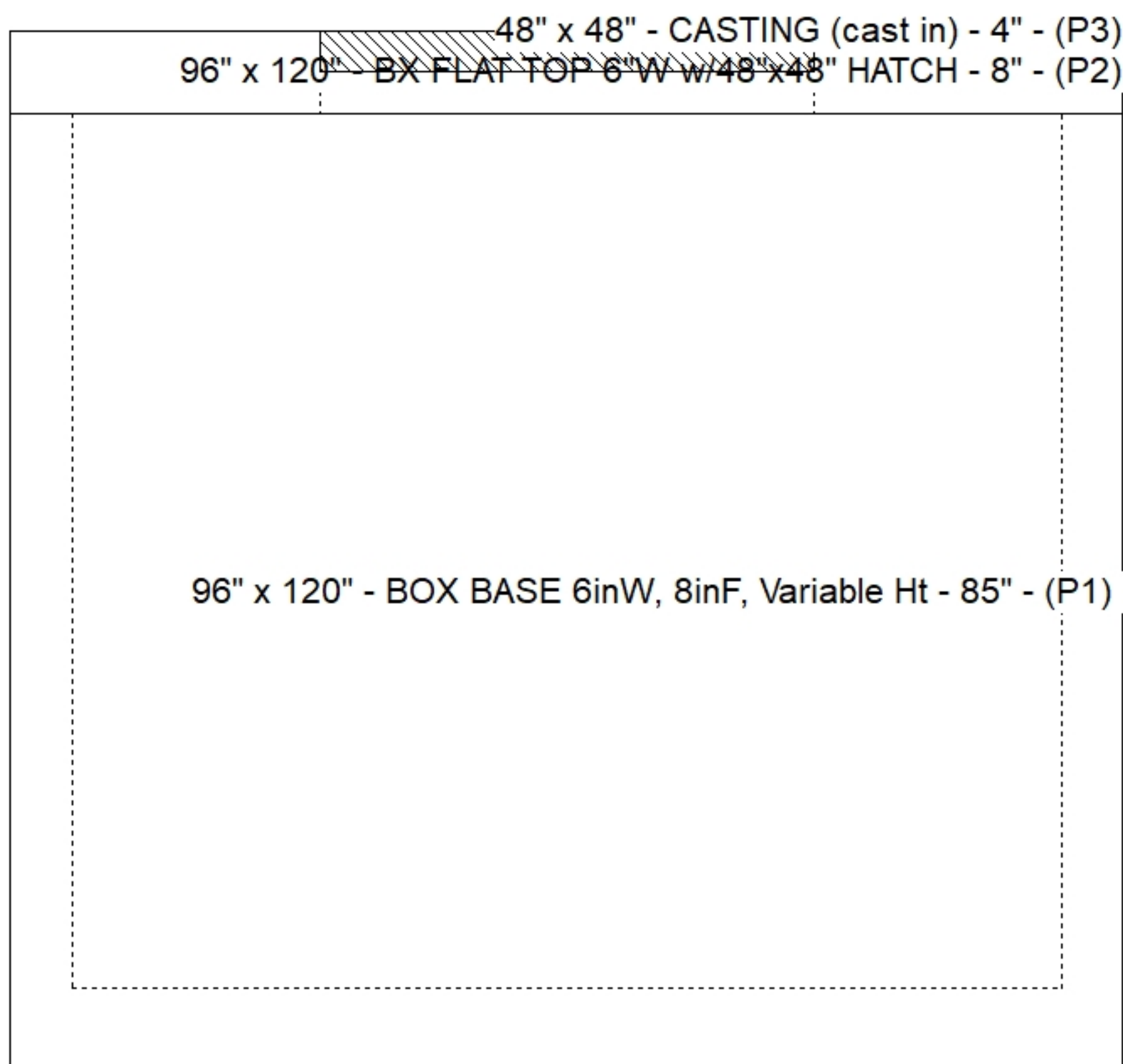
- A) PER ASTM C913.
- B) CONCRETE = 4,500 PSI AT 28 DAYS.
- C) REINFORCING PER ASTM A615 (GRADE 60).

STRUCTURE SUMMARY:

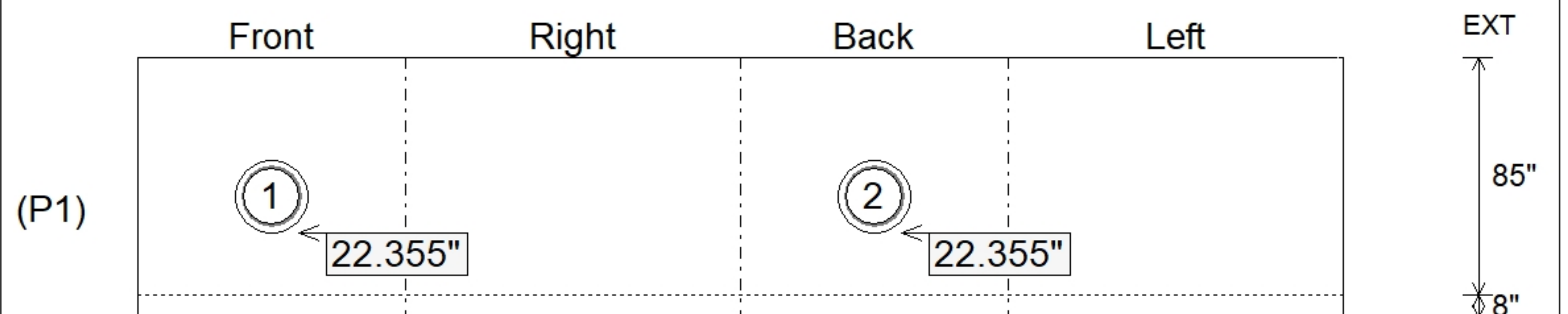
P3) 48" x 48" - CASTING (cast in) - 4"	0 lb
P2) 96" x 120" - BX FLAT TOP 6"W w/48"x48" HATCH - 8"	8023 lb
P1) 96" x 120" - BOX BASE 6inW, 8inF, Variable Ht - 85"	28550 lb
1) HATCH (Alum.) - HALLIDAY H2W 48"x48"	235 lb
1) PSASSEMBLY	0 lb
1) 96" x 120" - Conseal CS-102 1.00" (Double)	0 lb
1) 48" x 48" - Conseal CS-102 1.00" (Double)	0 lb
2) Hole - 26	0 lb
Structure Total:	36808 lb



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up (")	Ref
Rim	7.75'							
Reducer								
Invert 1	2.123'	0°	20" C900 DR25	21.6"	26"	Hole 26	22.355"	P1
Invert 2	2.123'	180°	20" C900 DR25	21.6"	26"	Hole 26	22.355"	P1
Invert 3								
Invert 4								
Invert 5								
Invert 6								
Invert 7								
Invert 8								



Default - Interior Dimensions



Submittal Drawing
 10/17/2025 11:16:52 AM

SUBMITTAL
 APPROVED BY: