

Job Name: 24-4340B - East Leafdale Water Main Upgrade
Job Location: Hodgenville, KY
Contractor: Ferguson Waterworks #1491

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



Structure ID: Vault

Spec: Storm-Pipe Centered
 Type: BX 6inW, 6inF
 Size: 60" x 96"

Rim: 5.67'
 Invert: 0'
 Rim to Invert: 5.67'

Sump: 1"
 Floor (Top): -0.083'
 Floor Height: 6"

Floor (Bot): -0.583'
 Overall Height: 6.25'
 Slack: 0.04"

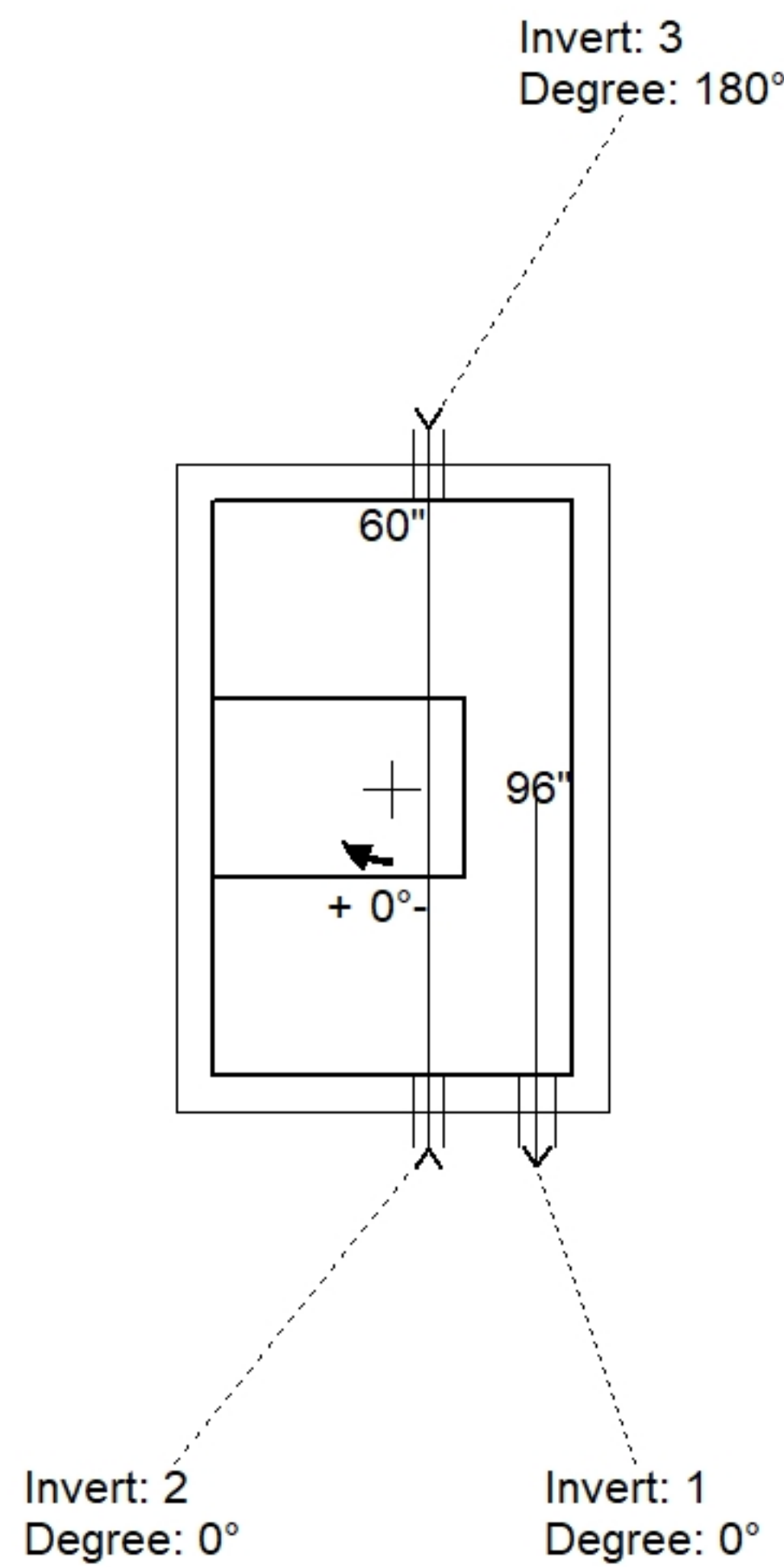
Structure Notes:

1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO STEPS AND NO INVERT CHANNEL.
4. HATCH BY ICAST (HALLIDAY W1S 30"x42").
5. AL LADDER W/SAFETY POST BY ICAST.

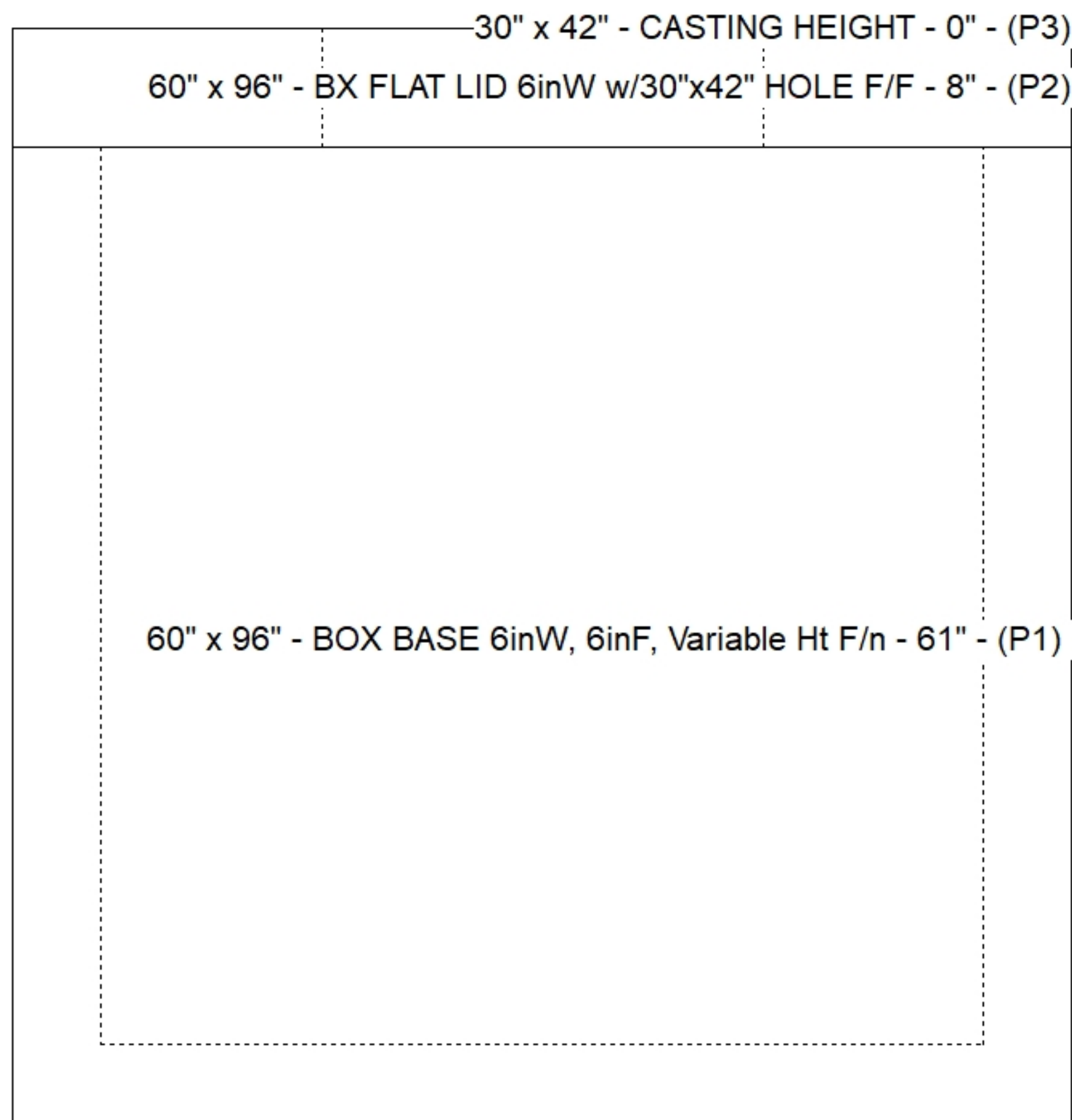
REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
 - WALLS (As .47) #5 BARS AT 8" C.C.E.W.
 - FLOOR (As .47) #5 BARS AT 8" C.C.E.W.

STRUCTURE SUMMARY:

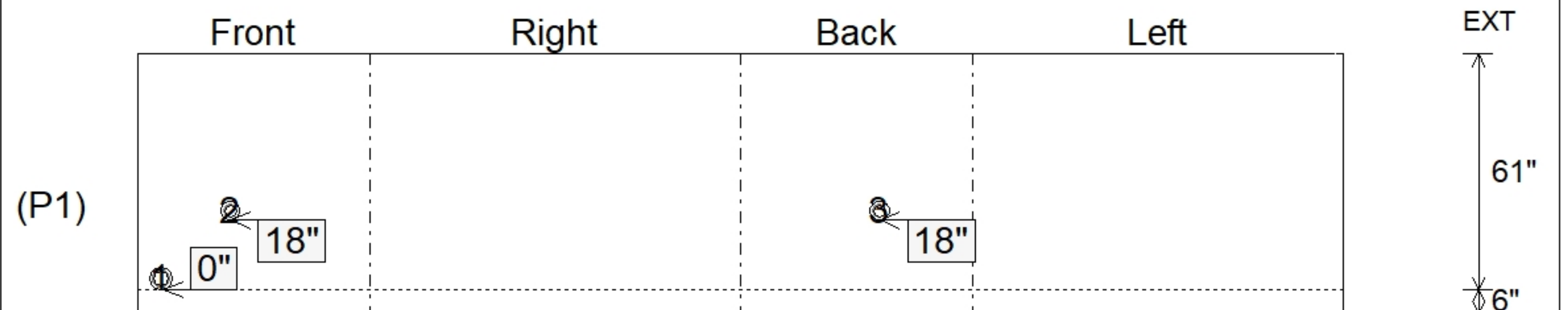
P3) 30" x 42" - CASTING HEIGHT - 0"	0 lb
P2) 60" x 96" - BX FLAT LID 6inW w/30"x42" HOLE F/F - 8"	4374 lb
P1) 60" x 96" - BOX BASE 6inW, 6inF, Variable Ht F/n - 61"	14200 lb
1) LADDER (Alum.) - HALLIDAY L1D 72in Wall-Floor mount ladder	65 lb
1) LADDER (Alum.) - HALLIDAY L1E 72in Ladder Extension	65 lb
1) HATCH (Alum.) - HALLIDAY W1S 30"x42"	77 lb
1) Hole - 6	0 lb
2) Hole - 5	0 lb
Structure Total:	18781 lb



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up (")	Ref
Rim	5.67'							
Reducer								
Invert 1	0'	0°	4" PVC SDR26	4.25"	6"	Hole 6	0"	P1
Invert 2	1.5'	0°	3" DI	3.5"	5"	Hole 5	18"	P1
Invert 3	1.5'	180°	3" DI	3.5"	5"	Hole 5	18"	P1
Invert 4								
Invert 5								
Invert 6								
Invert 7								
Invert 8								



Cast (Int. Dim.) - Interior Dimensions



Submittal Drawing
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SUBMITTAL
 APPROVED BY: