

Job Name: 25-4272 Chestnut Street Utility Rehab
Job Location: Evansville, IN
Contractor: Bowen Engineering Corporation

PC: A. Chambers
 TECH: J. Coppage
 Plant: Beaver Dam



Structure ID: 109
 Spec: Storm
 Type: BX 6inW, 6inF
 Size: 30" x 30"

Rim: 378.18'
 Invert: 374.18'
 Rim to Invert: 4'

Sump: 2"
 Floor (Top): 374.013'
 Floor Height: 6"

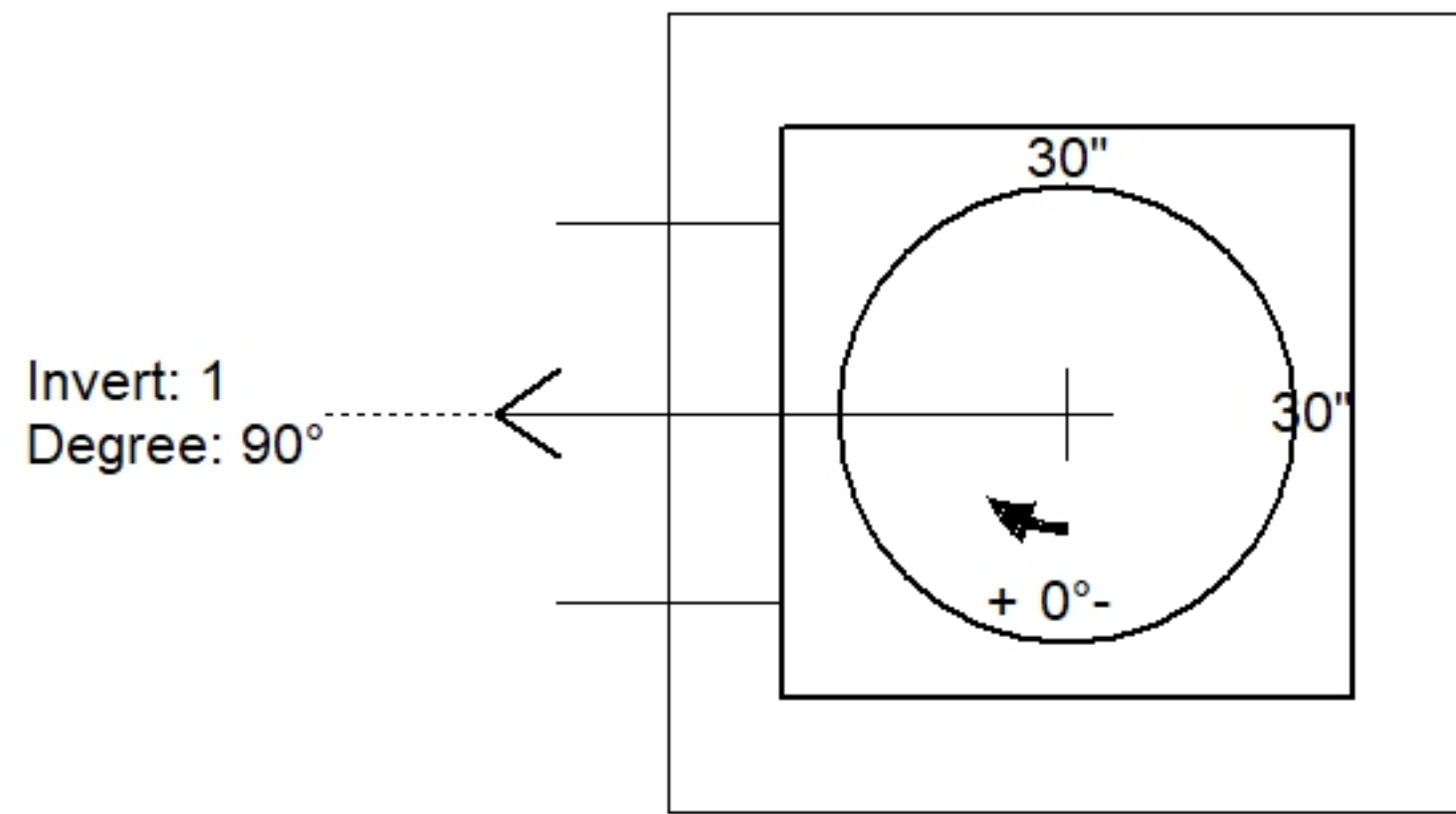
Floor (Bot): 373.513'
 Overall Height: 4.417'
 Slack: 3"

Structure Notes:

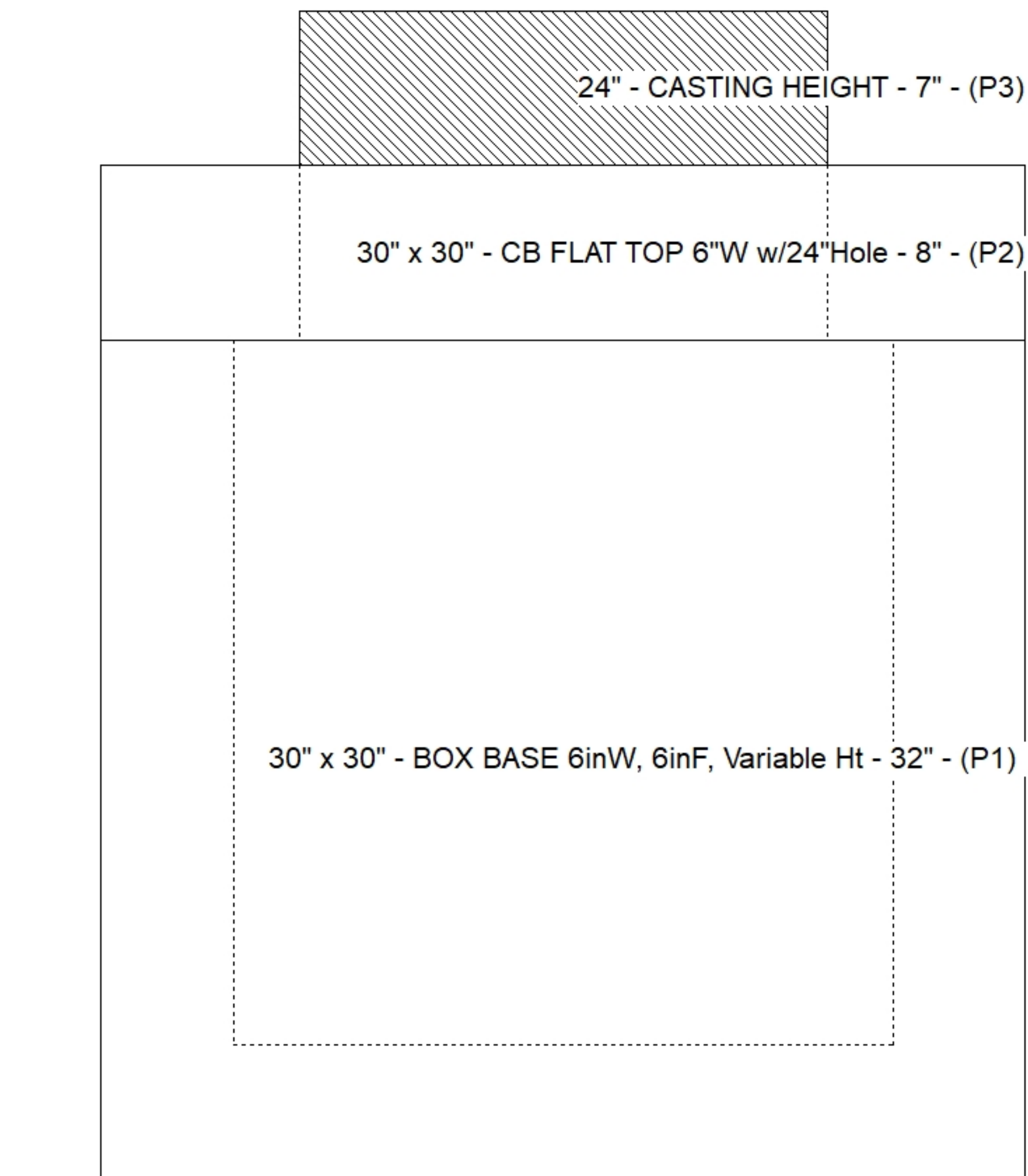
1. JR HOE MCB-315-BH PROVIDED BY ICAST.
2. PER ASTM C913 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
 - WALLS (As .12) #5 BARS AT 12" C.C.E.W.
 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

STRUCTURE SUMMARY:

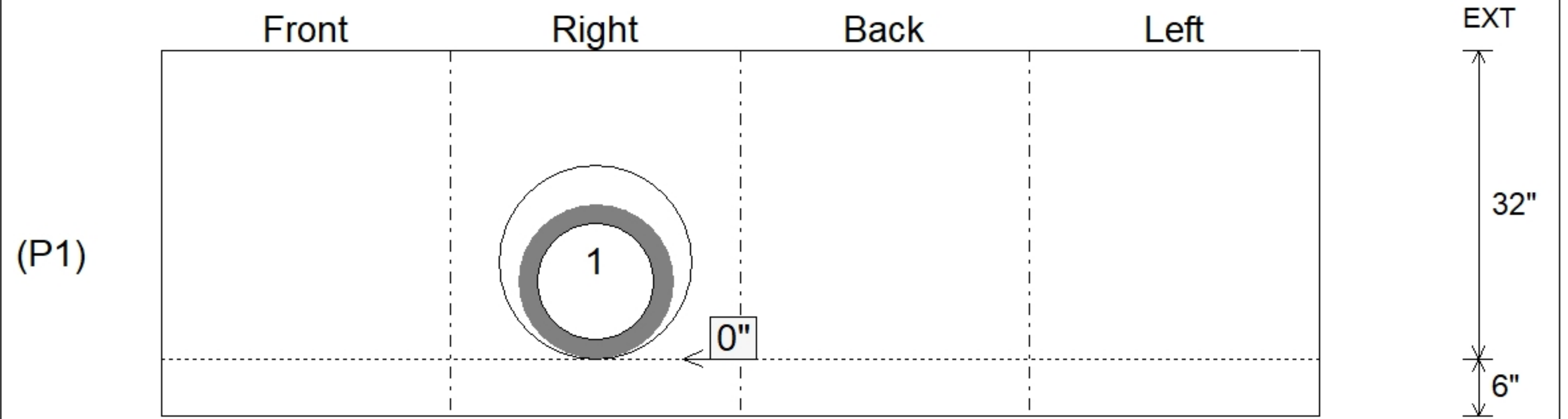
P3) 24" - CASTING HEIGHT - 7"	0 lb
P2) 30" x 30" - CB FLAT TOP 6"W w/24"Hole - 8"	880 lb
P1) 30" x 30" - BOX BASE 6inW, 6inF, Variable Ht - 32"	3050 lb
1) CASTING - HOE MCB-315-BH Fr./Grate	250 lb
1) 30" x 30" - SGL 1"x14.5' Butyl	0 lb
1) Hole - 20	0 lb
Structure Total:	4180 lb



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up ()	Ref
Rim	378.18'							
Reducer								
Invert 1	374.18'	90°	12" RCP B WALL	16"	20"	Hole 20	0"	P1
Invert 2								
Invert 3								
Invert 4								
Invert 5								
Invert 6								
Invert 7								
Invert 8								



Default - Interior Dimensions



Submittal Drawing
 10/27/2025 7:34:02 AM

SUBMITTAL
 APPROVED BY: