

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

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



Structure ID: 1014FullHT

Spec: Storm
 Type: BX 12inW, 12inF w/ Xypex Bio-San C500
 Size: 120" x 180"

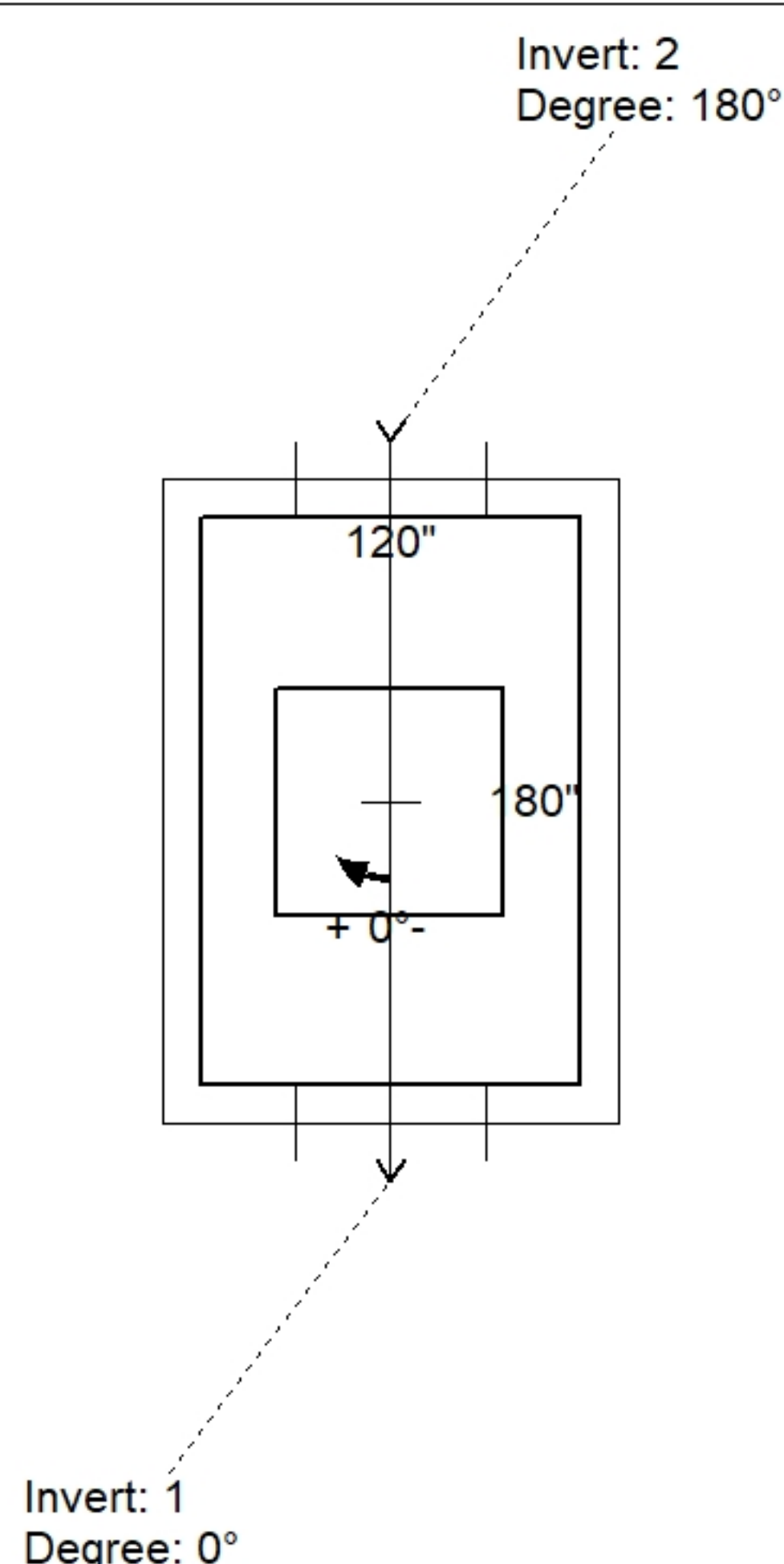
Rim: 379.5' Sump: 1.15" Floor (Bot): 352.724'
 Invert: 353.82' Floor (Top): 353.724' Overall Height: 26.75'
 Rim to Invert: 25.68' Floor Height: 12" Slack: 0.31"

Structure Notes:

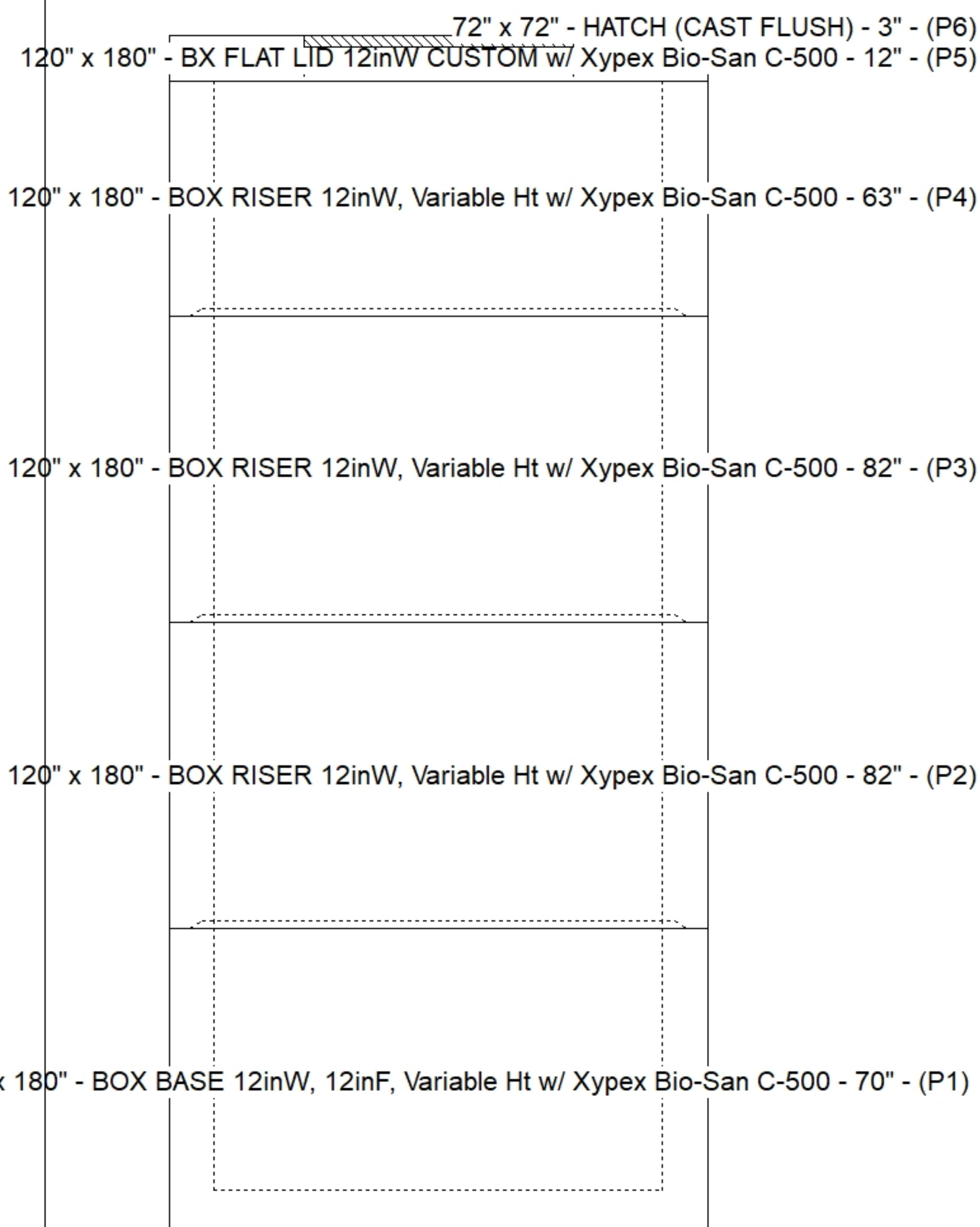
- PER ASTM C913 SPECIFICATIONS.
- CONCRETE = 4,500 PSI AT 28 DAYS.
- HALLIDAY 72" X 72" H2C HATCH BY ICAST.
- HATCH TO BE CAST INTO THE TOP SLAB.
- (RWS3000S STOP LOG PROVIDED BY OTHERS.)
- REINFORCING PER ASTM A615 (GRADE 60).
 TOP SLAB - #6 @ 6" O.C. E.W. TOP & BTM MAT.
 WALLS/FLOOR - #6 @ 8" O.C. E.W. DBL MAT.
 ADDITIONAL REINFORCEMENT IN CORNERS AND AROUND OPENINGS.

STRUCTURE SUMMARY:

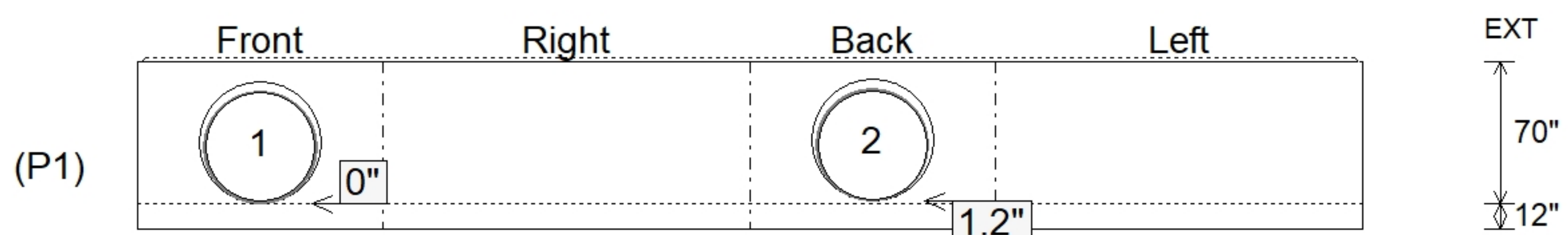
P6) 72" x 72" - HATCH (CAST FLUSH) - 3"	100 lb
P5) 120" x 180" - BX FLAT LID 12inW CUSTOM w/ Xypex Bio-San C-500 - 12"	24360 lb
P4) 120" x 180" - BOX RISER 12inW, Variable Ht w/ Xypex Bio-San C-500 - 63"	41107 lb
P3) 120" x 180" - BOX RISER 12inW, Variable Ht w/ Xypex Bio-San C-500 - 82"	53505 lb
P2) 120" x 180" - BOX RISER 12inW, Variable Ht w/ Xypex Bio-San C-500 - 82"	53505 lb
P1) 120" x 180" - BOX BASE 12inW, 12inF, Variable Ht w/ Xypex Bio-San C-500 - 70"	69561 lb
1) This Structure Includes a Cast-in Item	0 lb
1) HATCH (Alum.) - HALLIDAY H2C 72"x72"	235 lb
1) CASTING - HOE MCS-295 F/C	123 lb
4) 120" x 180" - Conseal CS-102 1.00"	0 lb
1) 72" x 72" - Conseal CS-102 1.00"	0 lb
2) Hole - 60	0 lb
Structure Total:	242496 lb



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up (")	Ref
Rim	379.5'							
Reducer								
Invert 1	353.82'	0°	54" HDPE (DUROMAXX)	55.5"	60"	Hole 60	0"	P1
Invert 2	353.92'	180°	54" HDPE (DUROMAXX)	55.5"	60"	Hole 60	1.2"	P1
Invert 3								
Invert 4								
Invert 5								
Invert 6								
Invert 7								
Invert 8								



Default - Interior Dimensions



Submittal Drawing
 1/15/2026 8:03:34 AM

SUBMITTAL
 APPROVED BY: