

Job Name: 25-4272B Chestnut Street Utility Rehab	Plant: Beaver Dam	Tech: J. Coppage	
Job Location: Evansville, IN Contractor: Bowen Engineering Corporation	1/14/2026 11:58:30 AM	PC: A. Chambers	

Structure ID: 1014FullHT

P2 CVR-BS

BOX RISER 12inW, Variable Ht w/ Xypex Bio-San C-500

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

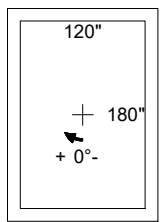
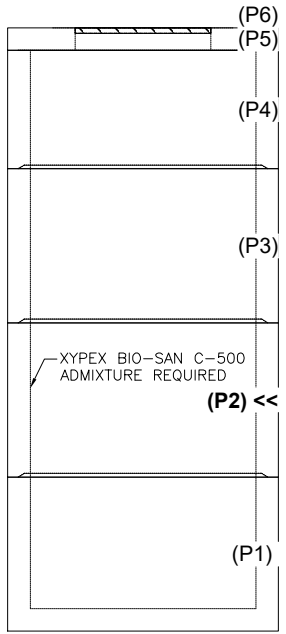
Structure Notes:

- 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.

Rim: 379.5' Rim to Invert: 25.68' Slack: 0.31" Sump: 1.15" Step Position:

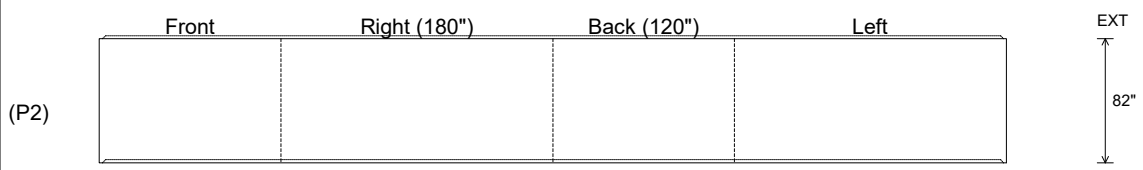
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (L)	Offset
Invert 1										
Invert 2										
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



HANDLE W/ 4 EA. - 8CA18 LIFTING ANCHORS IN THE WALLS (DOWN 30" FROM THE TOP OF WALLS AND IN 34" FROM THE OUTSIDE)

INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Groove	Wall Thickness: 12" Floor Height: 0"	Height (Int): 82" Height (Ext): 82"	Weight (Net): 53505 lb Volume (Net): 13.67cu.yd
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