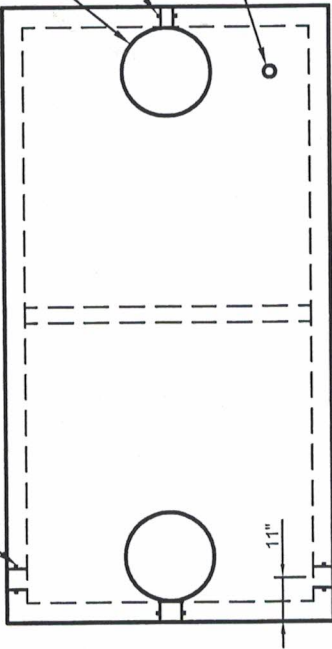


4" POLY IV HIGH PRESSURE CLOSED END SEAL, BY POLYLOK (TYP OF 3)

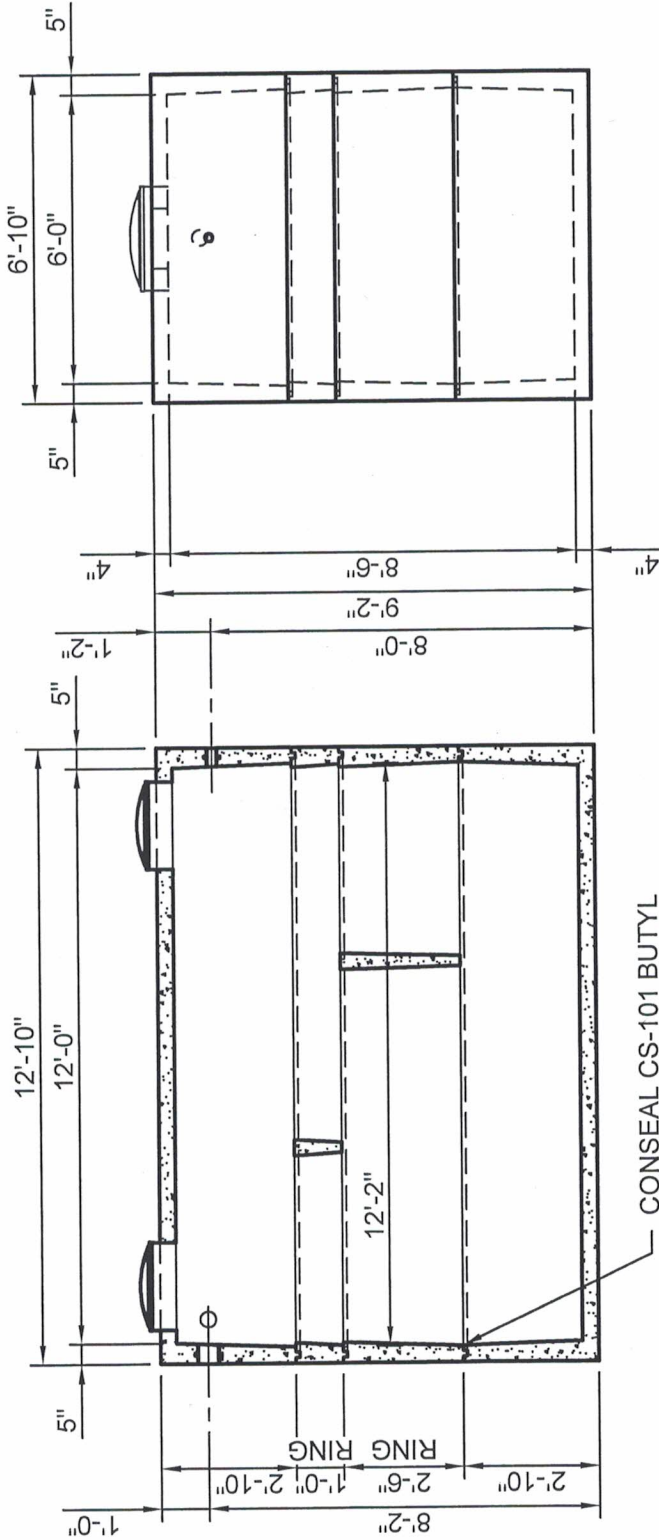


6" PLASTIC RISER WITH 20" RISER LID, BY TUF-TITE

2" Z-LOK PIPE TO MANHOLE CONNECTOR, BY A-LOK

3"Ø PVC PIPE FOR ELECTRICAL CONTROLS AND SERVICE

PLAN VIEW



CONSEAL CS-101 BUTYL SEALANT AT JOINT, TYP

SIDE VIEW

END VIEW

**Stiger**  
Precast, Inc.  
17793 St Hwy. 231  
Nevada, OH 44849  
740-482-2313  
800-426-2116

Scale: 1/4" = 1'-0"  
Date: 12/22/2015

4,000 GALLON  
LIFT STATION

Dwg No.  
**LS  
4000**

# Stiger Precast, Inc.

## 4,000 Gallon Lift Station

Water Depth (IN)	Tank Width (IN)	Tank Length (IN)	Change In Depth (IN)	Incremental Change In Volume (GAL)	Baffle Width (in)	Baffle 1 Length (in)	Baffle 1 Volume (Gal)	Tank volume (Gal)	Distance From Inside Top Of Tank To Water (Gal)
102	72.00	144.00	1.00	44.88				4631.05	0
101	72.07	144.07	1.00	44.94				4586.17	1
100	72.13	144.13	1.00	45.00				4541.23	2
99	72.20	144.20	1.00	45.07				4496.23	3
98	72.27	144.27	1.00	45.13				4451.16	4
97	72.33	144.33	1.00	45.19				4406.03	5
96	72.40	144.40	1.00	45.25				4360.84	6
95	72.47	144.47	1.00	45.32				4315.58	7
94	72.53	144.53	1.00	45.38				4270.26	8
93	72.60	144.60	1.00	45.44				4224.88	9
92	72.67	144.67	1.00	45.51				4179.44	10
91	72.73	144.73	1.00	45.57				4133.94	11
90	72.80	144.80	1.00	45.63				4088.37	12
89	72.87	144.87	1.00	45.69				4042.74	13
88	72.93	144.93	1.00	45.76				3997.04	14
87	73.00	145.00	1.00	45.82				3951.28	15
86	73.07	145.07	1.00	45.88				3905.46	16
85	73.13	145.13	1.00	45.95				3859.58	17
84	73.20	145.20	1.00	46.01				3813.64	18
83	73.27	145.27	1.00	46.07				3767.63	19
82	73.33	145.33	1.00	46.13				3721.56	20
81	73.40	145.40	1.00	46.20				3675.42	21
80	73.47	145.47	1.00	46.26				3629.22	22
79	73.53	145.53	1.00	46.32				3582.96	23
78	73.60	145.60	1.00	46.39				3536.64	24
77	73.67	145.67	1.00	46.45				3490.25	25
76	73.73	145.73	1.00	46.51				3443.80	26
75	73.80	145.80	1.00	46.58				3397.28	27
74	73.87	145.87	1.00	46.64				3350.71	28
73	73.93	145.93	1.00	46.70				3304.06	29
72	74.00	146.00	1.00	46.77	4.00	72.00	1.25	3257.36	30
71	72.17	145.83	1.00	45.56	3.88	72.17	1.21	3211.84	31
70	72.33	145.67	1.00	45.61	3.75	72.33	1.17	3167.49	32
69	72.50	145.50	1.00	45.66	3.63	72.50	1.14	3123.06	33
68	72.67	145.33	1.00	45.71	3.50	72.67	1.10	3078.53	34
67	72.83	145.17	1.00	45.77	3.38	72.83	1.06	3033.92	35
66	73.00	145.00	1.00	45.82	3.25	73.00	1.03	2989.21	36
65	73.17	144.83	1.00	45.87	3.13	73.17	0.99	2944.42	37
64	73.33	144.67	1.00	45.92	3.00	73.33	0.95	2899.54	38
63	73.50	144.50	1.00	45.97	2.88	73.50	0.91	2854.57	39
62	73.67	144.33	1.00	46.03	2.75	73.67	0.88	2809.51	40
61	73.83	144.17	1.00	46.08	2.63	73.83	0.84	2764.36	41
60	74.00	144.00	1.00	46.13	2.50	74.00	0.80	2719.13	42
59	72.07	144.07	1.00	44.94	3.95	72.07	1.23	2673.80	43
58	72.13	144.13	1.00	45.00	3.90	72.13	1.22	2630.09	44
57	72.20	144.20	1.00	45.07	3.85	72.20	1.20	2586.30	45
56	72.27	144.27	1.00	45.13	3.80	72.27	1.19	2542.44	46
55	72.33	144.33	1.00	45.19	3.75	72.33	1.17	2498.50	47
54	72.40	144.40	1.00	45.25	3.70	72.40	1.16	2454.48	48
53	72.47	144.47	1.00	45.32	3.65	72.47	1.14	2410.38	49
52	72.53	144.53	1.00	45.38	3.60	72.53	1.13	2366.21	50
51	72.60	144.60	1.00	45.44	3.55	72.60	1.12	2321.96	51
50	72.67	144.67	1.00	45.51	3.50	72.67	1.10	2277.64	52
49	72.73	144.73	1.00	45.57	3.45	72.73	1.09	2233.23	53
48	72.80	144.80	1.00	45.63	3.40	72.80	1.07	2188.75	54
47	72.87	144.87	1.00	45.69	3.35	72.87	1.06	2144.19	55
46	72.93	144.93	1.00	45.76	3.30	72.93	1.04	2099.55	56
45	73.00	145.00	1.00	45.82	3.25	73.00	1.03	2054.84	57
44	73.07	145.07	1.00	45.88	3.20	73.07	1.01	2010.05	58
43	73.13	145.13	1.00	45.95	3.15	73.13	1.00	1965.18	59
42	73.20	145.20	1.00	46.01	3.10	73.20	0.98	1920.23	60
41	73.27	145.27	1.00	46.07	3.05	73.27	0.97	1875.20	61
40	73.33	145.33	1.00	46.13	3.00	73.33	0.95	1830.10	62
39	73.40	145.40	1.00	46.20	2.95	73.40	0.94	1784.92	63
38	73.47	145.47	1.00	46.26	2.90	73.47	0.92	1739.66	64
37	73.53	145.53	1.00	46.32	2.85	73.53	0.91	1694.32	65
36	73.60	145.60	1.00	46.39	2.80	73.60	0.89	1648.90	66
35	73.67	145.67	1.00	46.45	2.75	73.67	0.88	1603.41	67
34	73.73	145.73	1.00	46.51	2.70	73.73	0.86	1557.83	68
33	73.80	145.80	1.00	46.58	2.65	73.80	0.85	1512.18	69
32	73.87	145.87	1.00	46.64	2.60	73.87	0.83	1466.45	70
31	73.93	145.93	1.00	46.70	2.55	73.93	0.82	1420.64	71
30	74.00	146.00	1.00	46.77	2.50	74.00	0.80	1374.75	72
29	73.93	145.93	1.00	46.70				1328.79	73
28	73.87	145.87	1.00	46.64				1282.08	74
27	73.80	145.80	1.00	46.58				1235.44	75
26	73.73	145.73	1.00	46.51				1188.86	76
25	73.67	145.67	1.00	46.45				1142.35	77
24	73.60	145.60	1.00	46.39				1095.90	78
23	73.53	145.53	1.00	46.32				1049.51	79
22	73.47	145.47	1.00	46.26				1003.19	80
21	73.40	145.40	1.00	46.20				956.93	81
20	73.33	145.33	1.00	46.13				910.73	82
19	73.27	145.27	1.00	46.07				864.60	83
18	73.20	145.20	1.00	46.01				818.53	84
17	73.13	145.13	1.00	45.94				772.52	85
16	73.07	145.07	1.00	45.88				726.58	86
15	73.00	145.00	1.00	45.82				680.69	87
14	72.93	144.93	1.00	45.76				634.87	88
13	72.87	144.87	1.00	45.69				589.12	89
12	72.80	144.80	1.00	45.63				543.43	90
11	72.73	144.73	1.00	45.57				497.80	91
10	72.67	144.67	1.00	45.50				452.23	92
9	72.60	144.60	1.00	45.44				406.72	93
8	72.53	144.53	1.00	45.38				361.28	94
7	72.47	144.47	1.00	45.32				315.90	95
6	72.40	144.40	1.00	45.25				270.59	96
5	72.33	144.33	1.00	45.19				225.33	97
4	72.27	144.27	1.00	45.13				180.14	98
3	72.20	144.20	1.00	45.07				135.01	99
2	72.13	144.13	1.00	45.00				89.95	100
1	72.07	144.07	1.00	44.94				44.94	101
0	72.00	144.00	1.00					0.00	102