

INDEX OF DRAWINGS

- 1 General Plan & Elevation, Structure No. 016-2009
- 2 Bill of Material and General Notes, Structure No. 016-2009
- 3 Plan and Elevation, Structure No. 016-2009
- 4 Plan and Elevation, Structure No. 016-2009
- 5 Plan and Elevation, Structure No. 016-2009
- 6 Typical Sections and Details, Structure No. 016-2009
- 7 Miscellaneous Details, Structure No. 016-2009
- 8 Log of Borings, Structure No. 016-2009
- 9 Log of Borings, Structure No. 016-2009
- 10 Log of Borings, Structure No. 016-2009

GENERAL NOTES

Structural steel for soldier piles shall be AASHTO M270 Grade 50.
Reinforcement bars designated (E) shall be epoxy coated.

PILE DATA

Type - HP 14x73

SUMMARY BILL OF MATERIALS

DESCRIPTION	UNIT	QUANTITY
Structure Excavation	Cu. Yd.	408
Concrete Structures	Cu. Yd.	167.4
* Form Liner Textured Surface	Sq. Ft.	4067
Stud Shear Connectors	Each	725
Reinforcement Bars, Epoxy Coated	Pound	20,210
Name Plates	Each	1
Geocomposite Wall Drain	Sq. Yd.	312
Pipe Underdrains for Structures, 4"	Foot	450
Concrete Gutter, Type B	Foot	450
Driving Soldier Piles	Foot	2054
Chain Link Fence, 42" Attached to Structure (Special)	Foot	450
Untreated Timber Lagging	Sq. Ft.	3752
Furnishing Soldier Piles (HP Section)	Foot	2054

* Ashlar Stone pattern, minimum 3/4" relief

PILE DATA TABLE

Pile No.	Measured along \odot Pile				Dist.	Top of Wall	Top of Pile	Bott. of Pile	Length	Shear Studs
	Northing	Easting	Station	Offset						
100	1,106,338.68	1,941,144.29	175+19.84	83.13	0.00	640.21	638.54	618.00	20.54	5
101	1,106,334.92	1,941,149.39	175+24.97	79.42	5.13	640.84	639.17	618.00	21.17	6
102	1,106,331.16	1,941,154.48	175+30.10	75.70	5.13	641.47	639.80	618.00	21.80	6
103	1,106,327.40	1,941,159.58	175+35.23	71.99	5.13	642.10	640.43	618.00	22.43	7
104	1,106,323.64	1,941,164.68	175+40.36	68.28	5.13	642.73	641.06	618.00	23.06	8
105	1,106,319.93	1,941,169.80	175+45.52	64.61	5.16	643.36	641.69	618.00	23.69	8
106	1,106,316.42	1,941,175.09	175+50.84	61.15	5.32	643.99	642.32	618.00	24.32	9
107	1,106,316.37	1,941,180.25	175+55.99	61.15	5.16	644.24	642.57	618.00	24.57	9
108	1,106,316.32	1,941,186.25	175+61.99	61.15	6.00	644.27	642.60	618.00	24.60	9
109	1,106,316.26	1,941,192.24	175+67.99	61.15	6.00	644.30	642.63	618.00	24.63	9
110	1,106,316.21	1,941,198.24	175+73.99	61.15	6.00	644.34	642.67	618.00	24.67	9
111	1,106,316.15	1,941,204.24	175+79.99	61.15	6.00	644.37	642.70	618.00	24.70	9
112	1,106,316.10	1,941,210.24	175+85.99	61.15	6.00	644.40	642.73	618.00	24.73	9
113	1,106,316.04	1,941,216.24	175+91.99	61.15	6.00	644.44	642.77	618.00	24.77	9
114	1,106,315.99	1,941,222.24	175+97.99	61.15	6.00	644.47	642.80	618.00	24.80	9
115	1,106,315.93	1,941,228.24	176+03.99	61.15	6.00	644.50	642.83	618.00	24.83	9
116	1,106,315.88	1,941,234.24	176+09.99	61.15	6.00	644.54	642.87	618.00	24.87	9
117	1,106,315.82	1,941,240.24	176+15.99	61.15	6.00	644.58	642.91	618.00	24.91	9
118	1,106,315.77	1,941,246.24	176+21.99	61.15	6.00	644.61	642.94	618.00	24.94	9
119	1,106,315.71	1,941,252.24	176+27.99	61.15	6.00	644.65	642.98	618.00	24.98	9
120	1,106,315.66	1,941,258.24	176+33.99	61.15	6.00	644.68	643.01	618.00	25.01	10
121	1,106,315.60	1,941,264.24	176+39.99	61.15	6.00	644.71	643.04	618.00	25.04	10
122	1,106,315.55	1,941,270.24	176+45.99	61.15	6.00	644.75	643.08	618.00	25.08	10
123	1,106,315.49	1,941,276.24	176+51.99	61.15	6.00	644.78	643.11	618.00	25.11	10
124	1,106,315.44	1,941,282.24	176+57.99	61.15	6.00	644.82	643.15	618.00	25.15	10
125	1,106,315.38	1,941,288.24	176+63.99	61.15	6.00	644.85	643.18	618.00	25.18	10
126	1,106,315.33	1,941,294.24	176+69.99	61.15	6.00	644.88	643.21	618.00	25.21	10
127	1,106,315.28	1,941,300.24	176+75.99	61.15	6.00	644.92	643.25	618.00	25.25	10
128	1,106,315.22	1,941,306.24	176+81.99	61.15	6.00	644.95	643.28	618.00	25.28	10
129	1,106,315.17	1,941,312.24	176+87.99	61.15	6.00	644.99	643.32	618.00	25.32	10
130	1,106,315.11	1,941,318.24	176+93.99	61.15	6.00	645.02	643.35	618.00	25.35	10
131	1,106,315.06	1,941,324.24	176+99.99	61.15	6.00	645.06	643.39	618.00	25.39	10
132	1,106,315.00	1,941,330.24	177+05.99	61.15	6.00	645.09	643.42	618.00	25.42	10
133	1,106,314.95	1,941,336.24	177+11.99	61.15	6.00	645.12	643.45	618.00	25.45	10
134	1,106,314.90	1,941,341.24	177+16.99	61.15	5.00	645.14	643.47	618.00	25.47	10
135	1,106,314.86	1,941,346.24	177+21.99	61.15	5.00	645.17	643.50	618.00	25.50	10
136	1,106,314.81	1,941,351.24	177+26.99	61.15	5.00	645.20	643.53	618.00	25.53	10
137	1,106,314.76	1,941,356.24	177+31.99	61.15	5.00	645.23	643.56	618.00	25.56	10
138	1,106,314.72	1,941,361.24	177+36.99	61.15	5.00	645.26	643.59	618.00	25.59	10
139	1,106,314.67	1,941,366.24	177+41.99	61.15	5.00	645.29	643.62	618.00	25.62	10

PILE DATA TABLE

Pile No.	Measured along \odot Pile				Dist.	Top of Wall	Top of Pile	Bott. of Pile	Length	Shear Studs
	Northing	Easting	Station	Offset						
140	1,106,314.63	1,941,371.24	177+46.99	61.15	5.00	645.31	643.64	618.00	25.64	10
141	1,106,314.58	1,941,376.24	177+51.99	61.15	5.00	645.34	643.67	618.00	25.67	10
142	1,106,314.54	1,941,381.24	177+56.99	61.15	5.00	645.37	643.70	618.00	25.70	10
143	1,106,314.49	1,941,386.24	177+61.99	61.15	5.00	645.40	643.73	618.00	25.73	10
144	1,106,314.44	1,941,391.24	177+66.99	61.15	5.00	645.43	643.76	618.00	25.76	10
145	1,106,314.40	1,941,396.24	177+71.99	61.15	5.00	645.46	643.79	618.00	25.79	10
146	1,106,314.35	1,941,401.24	177+76.99	61.15	5.00	645.48	643.81	618.00	25.81	10
147	1,106,314.31	1,941,406.24	177+81.99	61.15	5.00	645.46	643.79	618.00	25.79	10
148	1,106,314.26	1,941,411.24	177+86.99	61.15	5.00	645.41	643.74	618.00	25.74	10
149	1,106,314.22	1,941,416.24	177+91.99	61.15	5.00	645.34	643.67	618.00	25.67	10
150	1,106,314.17	1,941,421.24	177+96.99	61.15	5.00	645.28	643.61	618.00	25.61	10
151	1,106,314.12	1,941,426.24	178+01.99	61.15	5.00	645.22	643.55	618.00	25.55	10
152	1,106,314.08	1,941,431.23	178+06.99	61.15	5.00	645.16	643.49	618.00	25.49	10
153	1,106,314.03	1,941,436.23	178+11.99	61.15	5.00	645.09	643.42	618.00	25.42	10
154	1,106,313.99	1,941,441.23	178+16.99	61.15	5.00	645.03	643.36	618.00	25.36	10
155	1,106,313.94	1,941,446.23	178+21.99	61.15	5.00	644.96	643.29	618.00	25.29	10
156	1,106,313.90	1,941,451.23	178+26.99	61.15	5.00	644.90	643.23	618.00	25.23	10
157	1,106,313.85	1,941,456.23	178+31.99	61.15	5.00	644.84	643.17	618.00	25.17	10
158	1,106,313.81	1,941,461.23	178+36.99	61.15	5.00	644.78	643.11	618.00	25.11	10
159	1,106,313.76	1,941,466.23	178+41.99	61.15	5.00	644.72	643.05	618.00	25.05	10
160	1,106,313.71	1,941,471.23	178+46.99	61.15	5.00	644.65	642.98	618.00	24.98	9
161	1,106,313.67	1,941,476.23	178+51.99	61.15	5.00	644.59	642.92	618.00	24.92	9
162	1,106,313.62	1,941,481.23	178+56.99	61.15	5.00	644.53	642.86	618.00	24.86	9
163	1,106,313.58	1,941,486.23	178+61.99	61.15	5.00	644.47	642.80	618.00	24.80	9
164	1,106,313.53	1,941,491.23	178+66.99	61.15	5.00	644.41	642.74	618.00	24.74	9
165	1,106,313.49	1,941,496.23	178+71.99	61.15	5.00	644.34	642.67	618.00	24.67	9
166	1,106,313.44	1,941,501.23	178+76.99	61.15	5.00	644.28	642.61	618.00	24.61	9
167	1,106,313.39	1,941,506.23	178+81.99	61.15	5.00	644.22	642.55	618.00	24.55	9
168	1,106,313.35	1,941,511.23	178+86.99	61.15	5.00	644.16	642.49	618.00	24.49	9
169	1,106,313.30	1,941,516.23	178+91.99	61.15	5.00	644.10	642.43	618.00	24.43	9
170	1,106,313.24	1,941,523.23	178+98.99	61.15	7.00	644.00	642.33	618.00	24.33	9
171	1,106,313.18	1,941,530.23	179+05.99	61.15	7.00	643.92	642.25	618.00	24.25	9
172	1,106,313.09	1,941,537.23	179+12.99	61.15	7.00	643.83	642.16	618.00	24.16	9
173	1,106,313.05	1,941,544.23	179+19.99	61.15	7.00	643.74	642.07	618.00	24.07	9
174	1,106,312.98	1,941,551.23	179+26.99	61.15	7.00	643.65	641.98	618.00	23.98	8
175	1,106,312.92	1,941,558.23	179+33.99	61.15	7.00	643.57	641.90	618.00	23.90	8
176	1,106,312.86	1,941,565.23	179+40.99	61.15	7.00	643.47	641.81	618.00	23.81	8
177	1,106,312.79	1,941,572.23	179+47.99	61.15	7.00	640.90	639.23	618.00	21.23	6
178	1,106,312.73	1,941,579.23	179+54.99	61.15	7.00	638.62	636.95	618.00	18.95	3

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USER NAME =	DESIGNED - SEA	REVISED
PLOT SCALE =	CHECKED - CJE	REVISED
PLOT DATE = 10/19/2012	DRAWN - SCS	REVISED
	CHECKED - SEA	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BILL OF MATERIAL AND GENERAL NOTES
STRUCTURE NO. 016-2009

SHEET NO. 2 OF 10 SHE