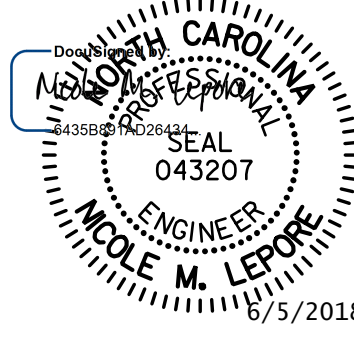


PROJECT REFERENCE NO. U-5114	SHEET NO. W-3
STRUCTURAL DESIGN ENGINEER	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

PILE INFORMATION								
PILE NO.	STATION -L- □	OFFSET □	PILE SIZE	TOP OF COPING ELEVATION	TOP OF PILE ELEVATION	TOP OF 2'-6" Ø HOLE ELEVATION	PILE TIP ELEVATION	TOTAL PILE LENGTH
W1-1	34+02.56	77.13	HP 14x117	751.03	750.00	744.00	727.00	23.00
W1-2	34+03.89	72.31	HP 14x117	751.00	750.00	743.00	726.00	24.00
W1-3	34+05.21	67.48	HP 14x117	750.25	749.50	742.00	725.00	24.50
W1-4	34+06.53	62.66	HP 14x117	749.50	748.50	741.50	724.50	24.00
W1-5	34+07.90	57.65	HP 14x117	748.75	748.00	741.50	724.50	23.50
W1-6	34+09.17	53.02	HP 14x117	748.00	747.00	741.50 ◆	724.50 ◆	22.50
W1-7	34+10.54	51.99	HP 14x117	748.00	747.00	741.50 ◆	724.50 ◆	22.50
W1-8	34+15.55	52.11	HP 14x117	748.10	747.00	741.50	724.50	22.50
W1-9	34+20.55	52.22	HP 14x117	748.20	747.00	741.50	724.50	22.50
W1-10	34+25.56	52.33	HP 14x117	748.30	747.00	742.00	728.00	19.00
W1-11	34+30.56	52.45	HP 14x117	748.40	747.00	742.00	728.00	19.00
W1-12	34+35.57	52.56	HP 14x117	748.50	747.00	742.00	728.00	19.00
W1-13	34+40.57	52.67	HP 14x117	748.60	747.50	742.50	728.50	19.00
W1-14	34+45.58	52.78	HP 14x117	748.70	747.50	742.50	728.50	19.00
W1-15	34+50.58	52.89	HP 14x117	748.80	747.50	742.50	728.50	19.00
W1-16	34+55.59	52.99	HP 14x117	748.90	747.50	742.50	728.50	19.00
W1-17	34+60.59	53.11	HP 14x117	749.00	748.00	743.00	729.00	19.00
W1-18	34+65.60	53.21	HP 14x117	749.22	748.00	743.00	729.00	19.00
W1-19	34+70.60	53.32	HP 14x117	749.44	748.50	743.00	729.00	19.50
W1-20	34+75.60	53.43	HP 14x117	749.65	748.50	743.50	729.50	19.00
W1-21	34+80.61	53.53	HP 14x117	749.87	749.00	743.50	729.50	19.50
W1-22	34+85.61	53.64	HP 14x117	750.09	749.00	743.50	726.50	22.50
W1-23	34+90.62	53.75	HP 14x117	750.31	749.50	744.00	730.00	19.50
W1-24	34+95.62	53.85	HP 14x117	750.50	749.50	744.00	727.00	22.50
W1-25	35+00.63	53.95	HP 14x117	750.50	749.50	744.00	727.00	22.50
W1-26	35+05.63	54.06	HP 14x117	752.13	751.13	744.00	727.00	24.13
W1-27	35+10.64	54.16	HP 14x117	753.75	752.75	744.50	727.50	25.25
W1-28	35+15.64	54.26	HP 14x117	755.38	754.38	744.50	724.50	29.88
W1-29	35+20.65	54.36	HP 14x117	757.00	756.00	744.50	723.50	32.50
W1-30	35+25.65	54.47	HP 14x117	757.50	756.50	745.00	724.00	32.50
W1-31	35+30.66	54.57	HP 14x117	757.60	756.50	745.00	724.00	32.50
W1-32	35+35.66	54.67	HP 14x117	757.70	756.50	745.00	724.00	32.50
W1-33	35+40.67	54.77	HP 14x117	757.80	756.50	745.50	724.50	32.00
W1-34	35+45.67	54.87	HP 14x117	757.90	756.50	745.50	724.50	32.00
W1-35	35+50.68	54.96	HP 14x117	758.00	757.00	745.50	724.50	32.50
W1-36	35+55.68	55.06	HP 14x117	758.10	757.00	745.50	724.50	32.50
W1-37	35+60.69	55.16	HP 14x117	758.20	757.00	746.00	725.00	32.00
W1-38	35+65.70	55.26	HP 14x117	758.30	757.00	746.00	725.00	32.00
W1-39	35+70.70	55.35	HP 14x117	758.40	757.00	746.00	725.00	32.00
W1-40	35+75.71	55.45	HP 14x117	758.50	757.50	746.50	725.50	32.00
W1-41	35+80.71	55.54	HP 14x117	758.52	757.50	746.50	725.50	32.00
W1-42	35+85.72	55.64	HP 14x117	758.53	757.50	746.50	725.50	32.00
W1-43	35+90.72	55.73	HP 14x117	758.55	757.50	746.50	725.50	32.00
W1-44	35+95.73	55.83	HP 14x117	758.57	757.50	747.00	726.00	31.50
W1-45	36+00.73	55.92	HP 14x117	758.58	757.50	747.00 ◆	726.00 ◆	31.50
W1-46	36+02.12	56.89	HP 14x117	758.58	757.50	747.00 ◆	726.00 ◆	31.50
W1-47	36+03.91	61.56	HP 14x117	758.79	757.50	747.00	726.00	31.50
W1-48	36+05.70	66.23	HP 14x117	758.99	758.00	748.00	728.00	30.00
W1-49	36+07.49	70.90	HP 14x117	759.19	758.00	749.00	729.00	29.00
W1-50	36+09.28	75.57	HP 14x117	759.39	758.50	750.00	730.00	28.50
W1-51	36+11.07	80.24	HP 14x117	759.60	758.50	751.00	734.00	24.50
W1-52	36+12.86	84.91	HP 14x117	759.80	759.00	752.00	735.00	24.00
W1-53	36+14.65	89.58	HP 14x117	760.00	759.00	753.00	736.00	23.00

PANEL INFORMATION				
PANEL NO.	PILE TO LEFT	PILE TO RIGHT	PANEL WALL HEIGHT	BOT. OF PANEL WALL ELEVATION
1	W1-1	W1-2	5.50	744.50
2	W1-2	W1-3	6.00	743.50
3	W1-3	W1-4	6.00	742.50
4	W1-4	W1-5	6.00	742.00
5	W1-5	W1-6	5.00	742.00
6	W1-7	W1-8	5.00	742.00
7	W1-8	W1-9	5.00	742.00
8	W1-9	W1-10	4.50	742.50
9	W1-10	W1-11	4.50	742.50
10	W1-11	W1-12	4.50	742.50
11	W1-12	W1-13	4.00	743.00
12	W1-13	W1-14	4.50	743.00
13	W1-14	W1-15	4.50	743.00
14	W1-15	W1-16	4.50	743.00
15	W1-16	W1-17	4.00	743.50
16	W1-17	W1-18	4.50	743.50
17	W1-18	W1-19	4.50	743.50
18	W1-19	W1-20	4.50	744.00
19	W1-20	W1-21	4.50	744.00
20	W1-21	W1-22	5.00	744.00
21	W1-22	W1-23	4.50	744.50
22	W1-23	W1-24	5.00	744.50
23	W1-24	W1-25	5.00	744.50
24 ▲	W1-25	W1-26	5.81 ▲	744.50
25 ▲	W1-26	W1-27	6.94 ▲	745.13
26 ▲	W1-27	W1-28	8.56 ▲	745.25
27 ▲	W1-28	W1-29	10.19 ▲	745.38
28	W1-29	W1-30	10.50	745.50
29	W1-30	W1-31	11.00	745.50
30	W1-31	W1-32	11.00	745.50
31	W1-32	W1-33	10.50	746.00
32	W1-33	W1-34	10.50	746.00
33	W1-34	W1-35	10.50	746.00
34	W1-35	W1-36	11.00	746.00
35	W1-36	W1-37	10.50	746.50
36	W1-37	W1-38	10.50	746.50
37	W1-38	W1-39	10.50	746.50
38	W1-39	W1-40	10.00	747.00
39	W1-40	W1-41	10.50	747.00
40	W1-41	W1-42	10.50	747.00
41	W1-42	W1-43	10.50	747.00
42	W1-43	W1-44	10.00	747.50
43	W1-44	W1-45	10.00	747.50
44	W1-46	W1-47	10.00	747.50
45	W1-47	W1-48	9.00	748.50
46	W1-48	W1-49	8.50	749.50
47	W1-49	W1-50	7.50	750.50
48	W1-50	W1-51	7.00	751.50
49	W1-51	W1-52	6.00	752.50
50	W1-52	W1-53	5.50	753.50

▲ UTILIZE SLOPED TOP PANEL AT THESE LOCATIONS. PANEL WALL HEIGHT SHOWN IS AN AVERAGE.

- ◆ 4'-3" Ø HOLE
- ALL PILE STATIONING AND OFFSETS ARE TO CENTERLINE OF PILE AND CENTER OF DRILLED HOLE.

RETAINING WALL -W1-

BILL OF MATERIAL	
SOLDIER PILE RETAINING WALL	* S.F. 1,820.0

*RETAINING WALL AREA QUANTITY "TOP OF WALL" IS TOP OF PANEL.

PANEL LEGEND	
PANEL WALL HEIGHT	PANELS USED
4'-0"	4'-0"
4'-6"	4'-6"
5'-0"	5'-0"
5'-6"	2'-6" & 3'-0"
6'-0"	2 X 3'-0"
7'-0"	3'-0" & 4'-0"
7'-6"	3'-0" & 4'-6"
8'-6"	4'-6" & 4'-0"
9'-0"	2 X 4'-6"
10'-0"	2 X 5'-0"
10'-6"	2'-6" & 2 X 4'-0"
11'-0"	3'-0" & 2 X 4'-0"

PILE QUANTITIES	
PILE TYPE	LENGTH (FT)
HP 14x117	1,372

PANEL QUANTITIES	
PANEL	NUMBER
SLOPED	4
2'-6"	14
3'-0"	17
4'-0"	32
4'-6"	15
5'-0"	14