

F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	8R-1-N-1	COOK	196	124
STA. 85+00.00		TO STA. 92+46.15		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62617				

**NORTH SOLDIER PILE RETAINING WALL  
SOLDIER PILE SCHEDULE**

PILE NO.	PILE SIZE	TOP/PILE ELEV.	TIP/PILE ELEV.	APPROX. PILE LENGTH (FT.)	NO. STUD PER PILE	STUD SPACING
1	HP12x84	773.08	747.00	26.08	2 x 10 = 20	9 SPA. @ 4.50 IN = 3'- 4"
2	HP12x84	773.49	747.00	26.49	2 x 11 = 22	10 SPA. @ 4.50 IN = 3'- 9"
3	HP12x84	773.89	747.00	26.89	2 x 12 = 24	11 SPA. @ 4.63 IN = 4'- 2"
4	HP12x84	774.29	747.00	27.29	2 x 13 = 26	12 SPA. @ 4.63 IN = 4'- 7"
5	HP12x84	774.70	747.00	27.70	2 x 14 = 28	13 SPA. @ 4.63 IN = 5'- 0"
6	HP12x84	775.10	747.00	28.10	2 x 15 = 30	14 SPA. @ 4.63 IN = 5'- 4"
7	HP12x84	775.50	747.00	28.50	2 x 16 = 32	15 SPA. @ 4.63 IN = 5'- 9"
8	HP12x84	775.91	747.00	28.91	2 x 17 = 34	16 SPA. @ 4.63 IN = 6'- 2"
9	HP12x84	776.31	747.00	29.31	2 x 18 = 36	17 SPA. @ 4.63 IN = 6'- 6"
10	HP12x84	776.71	747.00	29.71	2 x 19 = 38	18 SPA. @ 4.63 IN = 6'- 11"
11	HP12x84	777.11	747.00	30.11	2 x 19 = 38	18 SPA. @ 4.75 IN = 7'- 1"
12	HP12x84	777.52	747.00	30.52	2 x 19 = 38	18 SPA. @ 5.00 IN = 7'- 6"
13	HP12x84	777.92	747.00	30.92	2 x 19 = 38	18 SPA. @ 5.25 IN = 7'- 10"
14	HP14x117	778.33	747.00	31.33	2 x 22 = 44	21 SPA. @ 4.75 IN = 8'- 3"
15	HP14x117	778.69	747.00	31.69	2 x 22 = 44	21 SPA. @ 4.75 IN = 8'- 3"
16	HP14x117	779.04	747.00	32.04	2 x 23 = 46	22 SPA. @ 4.75 IN = 8'- 8"
17	HP14x117	779.40	747.00	32.40	2 x 24 = 48	23 SPA. @ 4.63 IN = 8'- 10"
18	HP14x117	779.75	747.00	32.75	2 x 24 = 48	23 SPA. @ 4.75 IN = 9'- 1"
19	HP14x117	780.11	747.00	33.11	2 x 25 = 50	24 SPA. @ 4.63 IN = 9'- 3"
20	HP14x117	780.46	747.00	33.46	2 x 25 = 50	24 SPA. @ 4.75 IN = 9'- 6"
21	HP14x117	780.82	747.00	33.82	2 x 26 = 52	25 SPA. @ 4.75 IN = 9'- 10"
22	HP14x117	781.18	747.00	34.18	2 x 26 = 52	25 SPA. @ 4.75 IN = 9'- 10"
23	HP14x117	781.53	747.00	34.53	2 x 27 = 54	26 SPA. @ 4.75 IN = 10'- 3"
24	HP14x117	781.89	749.00	32.89	2 x 27 = 54	26 SPA. @ 4.75 IN = 10'- 3"
25	HP14x117	782.24	749.00	33.24	2 x 28 = 56	27 SPA. @ 4.75 IN = 10'- 8"
26	HP14x117	782.59	749.00	33.59	2 x 28 = 56	27 SPA. @ 4.75 IN = 10'- 8"
27	HP14x117	782.94	749.00	33.94	2 x 28 = 56	27 SPA. @ 4.75 IN = 10'- 8"
28	HP14x117	783.29	749.00	34.29	2 x 28 = 56	27 SPA. @ 4.75 IN = 10'- 8"
29	HP14x117	783.57	749.00	34.57	2 x 29 = 58	28 SPA. @ 4.75 IN = 11'- 1"
30	HP14x117	783.85	749.00	34.85	2 x 29 = 58	28 SPA. @ 4.75 IN = 11'- 1"
31	HP14x117	784.12	749.00	35.12	2 x 29 = 58	28 SPA. @ 4.75 IN = 11'- 1"
32	HP14x117	784.40	749.00	35.40	2 x 29 = 58	28 SPA. @ 4.75 IN = 11'- 1"
33	HP14x117	784.67	749.00	35.67	2 x 29 = 58	28 SPA. @ 4.75 IN = 11'- 1"
34	HP14x117	784.95	749.00	35.95	2 x 29 = 58	28 SPA. @ 4.88 IN = 11'- 4"
35	HP14x117	785.23	749.00	36.23	2 x 29 = 58	28 SPA. @ 4.88 IN = 11'- 4"
36	HP14x117	785.50	749.00	36.50	2 x 29 = 58	28 SPA. @ 4.88 IN = 11'- 4"
37	HP14x117	785.78	749.00	36.78	2 x 29 = 58	28 SPA. @ 4.88 IN = 11'- 4"
38	HP14x117	786.05	749.00	37.05	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
39	HP14x117	786.33	749.00	37.33	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
40	HP14x117	786.58	749.00	37.58	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
41	HP14x117	786.79	749.00	37.79	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
42	HP14x117	787.00	749.00	38.00	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
43	HP14x117	787.20	753.00	34.20	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
44	HP14x117	787.41	753.00	34.41	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
45	HP14x117	787.62	753.00	34.62	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
46	HP14x117	787.82	753.00	34.82	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
47	HP14x117	788.03	753.00	35.03	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
48	HP14x117	788.24	753.00	35.24	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
49	HP14x117	788.44	753.00	35.44	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
50	HP14x117	788.65	753.00	35.65	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
51	HP14x117	788.86	753.00	35.86	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
52	HP14x117	789.06	753.00	36.06	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
53	HP14x117	789.27	753.00	36.27	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"

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54	HP14x117	789.48	753.00	36.48	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
55	HP14x117	789.68	753.00	36.68	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
56	HP14x117	789.89	753.00	36.89	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
57	HP14x117	790.10	753.00	37.10	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
58	HP14x117	790.30	753.00	37.30	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
59	HP14x117	790.51	753.00	37.51	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
60	HP14x117	790.71	753.00	37.71	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
61	HP14x117	790.92	753.00	37.92	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
62	HP14x117	791.13	757.00	34.13	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
63	HP14x117	791.33	757.00	34.33	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
64	HP14x117	791.54	757.00	34.54	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
65	HP14x117	791.71	757.00	34.71	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
66	HP14x117	791.88	757.00	34.88	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
67	HP14x117	792.05	757.00	35.05	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
68	HP14x117	792.22	757.00	35.22	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
69	HP14x117	792.39	757.00	35.39	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
70	HP14x117	792.56	757.00	35.56	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
71	HP14x117	792.72	757.00	35.72	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
72	HP14x117	792.89	757.00	35.89	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
73	HP14x117	793.06	757.00	36.06	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
74	HP14x117	793.23	757.00	36.23	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
75	HP14x117	793.40	759.00	34.40	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
76	HP14x117	793.57	759.00	34.57	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
77	HP14x117	793.74	759.00	34.74	2 x 29 = 58	28 SPA. @ 5.00 IN = 11'- 8"
78	HP14x117	793.91	759.00	34.91	2 x 29 = 58	28 SPA. @ 5.13 IN = 11'- 11"
79	HP14x117	794.08	759.00	35.08	2 x 29 = 58	28 SPA. @ 5.13 IN = 11'- 11"
80	HP14x117	794.25	759.00	35.25	2 x 29 = 58	28 SPA. @ 5.13 IN = 11'- 11"
81	HP14x117	794.41	759.00	35.41	2 x 29 = 58	28 SPA. @ 5.13 IN = 11'- 11"
82	HP14x117	794.58	759.00	35.58	2 x 29 = 58	28 SPA. @ 5.13 IN = 11'- 11"
83	HP14x117	794.75	759.00	35.75	2 x 29 = 58	28 SPA. @ 5.13 IN = 11'- 11"
84	HP14x117	794.92	759.00	35.92	2 x 29 = 58	28 SPA. @ 5.13 IN = 11'- 11"
85	HP14x117	795.09	759.00	36.09	2 x 29 = 58	28 SPA. @ 5.13 IN = 11'- 11"
86	HP14x117	795.26	759.00	36.26	2 x 29 = 58	28 SPA. @ 5.13 IN = 11'- 11"
87	HP14x117	795.43	759.00	36.43	2 x 29 = 58	28 SPA. @ 5.13 IN = 11'- 11"
88	HP14x117	795.60	759.00	36.60	2 x 29 = 58	28 SPA. @ 5.13 IN = 11'- 11"
89	HP14x117	795.77	759.00	36.77	2 x 29 = 58	28 SPA. @ 5.13 IN = 11'- 11"
90	HP14x117	795.94	759.00	36.94	2 x 29 = 58	28 SPA. @ 5.25 IN = 12'- 3"
91	HP14x117	796.10	759.00	37.10	2 x 29 = 58	28 SPA. @ 5.25 IN = 12'- 3"
92	HP14x117	796.27	759.00	37.27	2 x 29 = 58	28 SPA. @ 5.25 IN = 12'- 3"
93	HP14x117	796.44	759.00	37.44	2 x 29 = 58	28 SPA. @ 5.25 IN = 12'- 3"
94	HP14x117	796.61	759.00	37.61	2 x 29 = 58	28 SPA. @ 5.25 IN = 12'- 3"
95	HP14x117	796.78	762.00	34.78	2 x 29 = 58	28 SPA. @ 5.25 IN = 12'- 3"
96	HP14x117	796.95	762.00	34.95	2 x 29 = 58	28 SPA. @ 5.25 IN = 12'- 3"
97	HP14x117	797.12	762.00	35.12	2 x 29 = 58	28 SPA. @ 5.25 IN = 12'- 3"
98	HP14x117	797.29	762.00	35.29	2 x 29 = 58	28 SPA. @ 5.25 IN = 12'- 3"
99	HP14x117	797.46	762.00	35.46	2 x 29 = 58	28 SPA. @ 5.25 IN = 12'- 3"
100	HP14x117	797.63	762.00	35.63	2 x 29 = 58	28 SPA. @ 5.38 IN = 12'- 6"
101	HP14x117	797.80	762.00	35.80	2 x 29 = 58	28 SPA. @ 5.38 IN = 12'- 6"
102	HP14x117	797.96	762.00	35.96	2 x 29 = 58	28 SPA. @ 5.38 IN = 12'- 6"
103	HP14x117	798.13	762.00	36.13	2 x 29 = 58	28 SPA. @ 5.38 IN = 12'- 6"
104	HP14x117	798.30	762.00	36.30	2 x 29 = 58	28 SPA. @ 5.38 IN = 12'- 6"
105	HP14x117	798.47	762.00	36.47	2 x 29 = 58	28 SPA. @ 5.38 IN = 12'- 6"
106	HP14x117	798.64	762.00	36.64	2 x 29 = 58	28 SPA. @ 5.50 IN = 12'- 10"

PILE NO.	PILE SIZE	TOP/PILE ELEV.	TIP/PILE ELEV.	APPROX. PILE LENGTH (FT.)	NO. STUD PER PILE	STUD SPACING
107	HP14x117	798.81	762.00	36.81	2 x 29 = 58	28 SPA. @ 5.50 IN = 12'- 10"
108	HP14x117	798.98	762.00	36.98	2 x 29 = 58	28 SPA. @ 5.50 IN = 12'- 10"
109	HP14x117	799.15	762.00	37.15	2 x 29 = 58	28 SPA. @ 5.50 IN = 12'- 10"
110	HP14x117	799.32	762.00	37.32	2 x 29 = 58	28 SPA. @ 5.50 IN = 12'- 10"
111	HP14x117	799.49	762.00	37.49	2 x 29 = 58	28 SPA. @ 5.50 IN = 12'- 10"
112	HP14x117	799.65	762.00	37.65	2 x 29 = 58	28 SPA. @ 5.50 IN = 12'- 10"
113	HP14x117	799.82	762.00	37.82	2 x 29 = 58	28 SPA. @ 5.50 IN = 12'- 10"
114	HP14x117	799.99	762.00	37.99	2 x 29 = 58	28 SPA. @ 5.50 IN = 12'- 10"
115	HP14x117	800.05	762.00	38.05	2 x 29 = 58	28 SPA. @ 5.50 IN = 12'- 10"
116	HP14x117	800.08	762.00	38.08	2 x 29 = 58	28 SPA. @ 5.50 IN = 12'- 10"
117	HP14x117	800.10	762.00	38.10	2 x 29 = 58	28 SPA. @ 5.50 IN = 12'- 10"
118	HP14x117	800.13	762.00	38.13	2 x 29 = 58	28 SPA. @ 5.50 IN = 12'- 10"
119	HP14x117	800.16	762.00	38.16	2 x 29 = 58	28 SPA. @ 5.50 IN = 12'- 10"
120	HP14x117	800.18	762.00	38.18	2 x 29 = 58	28 SPA. @ 5.50 IN = 12'- 10"
121	HP14x117	800.20	762.00	38.20	2 x 29 = 58	28 SPA. @ 5.50 IN = 12'- 10"
122	HP14x117	800.22	762.00	38.22	2 x 29 = 58	28 SPA. @ 5.50 IN = 12'- 10"
123	HP14x117	800.24	762.00	38.24	2 x 29 = 58	28 SPA. @ 5.50 IN = 12'- 10"
124	HP14x117	800.27	762.00	38.27	2 x 29 = 58	28 SPA. @ 5.50 IN = 12'- 10"
125	HP14x117	800.29	762.00	38.29	2 x	