

WEST SOLDIER PILE WALL DATA

PILE NO.	STATION AT F.F.	OFFSET AT F.F.	TOP OF WALL EL.	FINISH GRADE EL. AT F.F.	TOP OF ENCASEMENT EL.	MIN. PILE EMBED
1	303+75.00	30.00' Lt.	733.88	731.31	729.31	12.50'
2	303+82.92	30.00' Lt.	734.49	731.71	729.71	12.50'
3	303+90.84	30.00' Lt.	735.09	732.11	730.11	12.50'
4	303+98.76	30.00' Lt.	735.70	732.51	730.51	12.50'
5	304+06.68	30.00' Lt.	736.22	732.91	730.91	12.50'
6	304+14.60	30.00' Lt.	736.72	733.31	731.31	12.50'
7	304+22.52	30.00' Lt.	737.22	733.71	731.71	12.50'
8	304+30.44	30.00' Lt.	737.72	734.11	732.11	12.50'
9	304+38.36	30.00' Lt.	738.22	734.51	732.51	12.50'
10	304+46.28	30.00' Lt.	738.72	734.91	732.91	12.50'
11	304+54.20	30.00' Lt.	739.18	735.31	733.31	12.50'
12	304+62.12	30.00' Lt.	739.60	735.71	733.71	12.50'
13	304+70.04	30.00' Lt.	740.03	736.11	734.11	12.50'
14	304+77.96	30.00' Lt.	740.46	736.51	734.51	12.50'
15	304+85.88	30.00' Lt.	740.88	736.91	734.91	12.50'
16	304+93.79	30.00' Lt.	741.31	737.31	735.31	12.50'
17	305+01.71	30.00' Lt.	741.75	737.71	735.71	12.50'
18	305+09.63	30.00' Lt.	742.25	738.11	736.11	12.50'
19	305+17.55	30.00' Lt.	742.75	738.51	736.51	12.50'
20	305+25.47	30.00' Lt.	743.25	738.91	736.91	12.50'
21	305+33.39	30.00' Lt.	743.75	739.31	737.31	12.50'
22	305+41.31	30.00' Lt.	744.25	739.71	737.71	12.50'
23	305+49.23	30.00' Lt.	744.74	740.11	738.11	12.50'
24	305+57.15	30.00' Lt.	745.05	740.51	738.51	12.50'
25	305+65.07	30.00' Lt.	745.33	740.91	738.91	12.50'
26	305+72.99	30.00' Lt.	745.62	741.31	739.31	12.50'
27	305+80.91	30.00' Lt.	745.90	741.71	739.71	12.50'
28	305+88.83	30.00' Lt.	746.18	742.11	740.11	12.50'
29	305+96.75	30.00' Lt.	746.47	742.51	740.51	12.50'
30	306+04.67	30.00' Lt.	746.77	742.91	740.91	12.50'
31	306+12.59	30.00' Lt.	747.08	743.31	741.31	12.50'
32	306+20.51	30.00' Lt.	747.39	743.71	741.71	12.50'
33	306+28.43	30.00' Lt.	747.71	744.11	742.11	12.50'
34	306+36.35	30.00' Lt.	748.02	744.51	742.51	12.50'
35	306+44.27	30.00' Lt.	748.33	744.91	742.91	12.50'
36	306+52.19	30.00' Lt.	748.64	745.31	743.31	12.50'
37	306+60.11	30.00' Lt.	748.92	745.71	743.71	12.50'
38	306+68.03	30.00' Lt.	749.20	746.11	744.11	12.50'

EAST SOLDIER PILE WALL DATA

PILE NO.	STATION AT F.F.	OFFSET AT F.F.	TOP OF WALL EL.	FINISH GRADE EL. AT F.F.	TOP OF ENCASEMENT EL.	MIN. PILE EMBED
1	304+23.31	35.00' Rt.	737.92	735.42	733.42	14.00'
2	304+31.41	35.00' Rt.	739.08	735.83	733.83	14.00'
3	304+39.50	35.00' Rt.	740.24	736.24	734.24	14.00'
4	304+47.60	35.00' Rt.	741.40	736.64	734.64	14.00'
5	304+55.69	35.00' Rt.	742.06	737.05	735.05	16.50'
6	304+63.79	35.00' Rt.	742.52	737.46	735.46	16.50'
7	304+71.88	35.00' Rt.	742.98	737.86	735.86	16.50'
8	304+79.98	35.00' Rt.	743.44	738.27	736.27	16.50'
9	304+88.08	35.00' Rt.	743.90	738.68	736.68	16.50'
10	304+96.17	35.00' Rt.	744.36	739.09	737.09	16.50'
11	305+04.27	35.00' Rt.	744.79	739.50	737.50	16.50'
12	305+12.36	35.00' Rt.	745.21	739.92	737.92	16.50'
13	305+20.46	35.00' Rt.	745.64	740.34	738.34	16.50'
14	305+28.56	35.00' Rt.	746.06	740.76	738.76	16.50'
15	305+36.65	35.00' Rt.	746.48	741.18	739.18	16.50'
16	305+44.75	35.00' Rt.	746.90	741.60	739.60	16.50'
17	305+52.84	35.00' Rt.	747.31	742.00	740.00	16.50'
18	305+60.94	35.00' Rt.	747.69	742.40	740.40	16.50'
19	305+69.03	35.00' Rt.	748.07	742.80	740.80	16.50'
20	305+77.13	35.00' Rt.	748.46	743.20	741.20	16.50'
21	305+85.23	35.00' Rt.	748.85	743.60	741.60	16.50'
22	305+93.32	35.00' Rt.	749.24	744.00	742.00	16.50'
23	306+01.42	35.00' Rt.	749.64	744.40	742.40	16.50'
24	306+09.51	35.00' Rt.	750.13	744.82	742.82	16.50'
25	306+17.61	35.00' Rt.	750.62	745.23	743.23	16.50'
26	306+25.71	35.00' Rt.	751.10	745.64	743.64	16.50'
27	306+33.80	35.00' Rt.	751.59	746.05	744.05	16.50'
28	306+41.90	35.00' Rt.	752.08	746.46	744.46	16.50'
29	306+49.99	35.00' Rt.	752.57	746.87	744.87	16.50'
30	306+58.09	35.00' Rt.	753.06	747.27	745.27	16.50'
31	306+66.18	35.00' Rt.	753.55	747.66	745.66	16.50'
32	306+74.28	35.00' Rt.	754.04	748.05	746.05	16.50'
33	306+82.28	35.00' Rt.	754.53	748.44	746.44	16.50'
34	306+90.28	35.00' Rt.	754.72	748.82	746.82	16.50'
35	306+98.28	35.00' Rt.	755.19	749.22	747.22	16.50'
36	307+06.28	35.00' Rt.	755.92	749.58	747.58	16.50'
37	307+14.28	35.00' Rt.	756.32	749.92	747.92	16.50'
38	307+22.28	35.00' Rt.	756.74	750.28	748.28	16.50'
39	307+30.28	35.00' Rt.	757.14	750.63	748.63	16.50'
40	307+38.28	35.00' Rt.	757.55	750.98	748.98	16.50'
41	307+46.28	35.00' Rt.	757.96	751.33	749.33	16.50'
42	307+54.28	35.00' Rt.	758.26	751.65	749.65	16.50'
43	307+62.28	35.00' Rt.	758.47	751.96	749.96	16.50'
44	307+70.28	35.00' Rt.	758.67	752.26	750.26	16.50'
45	307+78.28	35.00' Rt.	758.87	752.56	750.56	16.50'
46	307+86.28	35.00' Rt.	759.08	752.87	750.87	16.50'
47	307+94.28	35.00' Rt.	759.28	753.18	751.18	16.50'
48	308+02.28	35.00' Rt.	759.48	753.46	751.46	16.50'
49	308+10.28	35.00' Rt.	759.67	753.72	751.72	16.50'
50	308+18.28	35.00' Rt.	759.85	753.98	751.98	16.50'
51	308+26.28	35.00' Rt.	760.03	754.24	752.24	16.50'
52	308+34.28	35.00' Rt.	760.22	754.50	752.50	16.50'
53	308+42.28	35.00' Rt.	760.40	754.76	752.76	16.50'
54	308+50.28	35.00' Rt.	760.58	755.01	753.01	16.50'
55	308+58.28	35.00' Rt.	760.75	755.23	753.23	16.50'
56	308+66.28	35.00' Rt.	760.91	755.44	753.44	16.50'
57	308+74.28	35.00' Rt.	761.07	755.65	753.65	16.50'
58	308+82.28	35.00' Rt.	761.23	755.87	753.87	16.50'
59	308+90.28	35.00' Rt.	761.39	756.08	754.08	16.50'
60	308+98.28	35.00' Rt.	761.56	756.29	754.29	16.50'


EAST SOLDIER PILE WALL DATA (CONT.)

PILE NO.	STATION AT F.F.	OFFSET AT F.F.	TOP OF WALL EL.	FINISH GRADE EL. AT F.F.	TOP OF ENCASEMENT EL.	MIN. PILE EMBED
61	309+06.28	35.00' Rt.	761.49	756.37	754.37	16.50'
62	309+14.18	35.01' Rt.	761.36	756.42	754.42	14.00'
63	309+22.04	34.40' Rt.	761.23	756.47	754.47	14.00'
64	309+29.91	33.82' Rt.	761.11	756.52	754.52	14.00'
65	309+37.79	33.26' Rt.	760.98	756.56	754.56	14.00'
66	309+45.66	32.72' Rt.	760.86	756.61	754.61	14.00'
67	309+53.54	32.21' Rt.	760.71	756.62	754.62	14.00'
68	309+61.43	31.73' Rt.	760.54	756.60	754.60	14.00'
69	309+69.31	31.27' Rt.	760.38	756.58	754.58	14.00'
70	309+77.20	30.84' Rt.	760.21	756.55	754.55	14.00'
71	309+85.09	30.44' Rt.	760.05	756.53	754.53	14.00'
72	309+92.99	30.06' Rt.	759.88	756.50	754.50	14.00'
73	310+00.88	29.70' Rt.	759.70	756.47	754.47	14.00'

NOTES:

- Bottom of panel shall be placed at top of encasement elevation.
- Elevations shall be verified in the field and may be adjusted as directed by the Engineer.
- F.F. denotes front face of panels.
- Minimum pile embedment measured from ground line at front face of wall.
- Top of pile elevation is the minimum elevation required to provide 1'-0" of extension above existing ground.
- Soldier piles shall be painted Medium Tan (Color No. 33446 from the Federal Color Standard 595B).
- Shims may be used at the base of precast panels to provide level placement. Cost included with the cost of Precast Concrete Lagging.

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FILE NAME = IL25_WALLS_003_Data.dgn	USER NAME = akesschall	DESIGNED - MFH	REVISIONS -	 <p>CITY OF ST. CHARLES</p>	<p>SOLDIER PILE DATA RETAINING WALLS ALONG IL 25</p>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE =	CHECKED - AJK	REVISIONS -				04-00092-00-BR	KANE	440	301	
	PLOT DATE = 11/9/2011	DRAWN - MFH	REVISIONS -			CONTRACT NO. 63650					
		CHECKED - HMA	REVISIONS -			SHEET NO. SR3 OF SR13 SHEETS		ILLINOIS FED. AID PROJECT			

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