

PILE LAYOUT

Pile	Offset* (Ft.)	Top of Wall El.	Top of Pile Elevation	Bot. of Facing Elevation	Section	Pile Tip Elevation	Pile Length (Ft.)
P-1	(21.08)	15.88	14.88	11.88	W12x40	-3.56	18.44
P-2	(21.08)	15.86	14.86	11.86	W12x40	-3.56	18.42
P-3	(21.08)	15.84	14.84	11.84	W12x40	-3.56	18.39
P-4	(21.08)	15.81	14.81	11.81	W12x40	-4.32	19.13
P-5	(21.08)	15.79	14.79	11.79	W12x40	-4.32	19.11
P-6	(21.08)	15.76	14.76	11.77	W12x40	-4.32	19.08
P-7	(21.08)	15.73	14.73	11.72	W12x40	-5.09	19.82
P-8	(21.08)	15.70	14.70	11.70	W12x40	-5.09	19.79
P-9	(21.08)	15.66	14.66	11.67	W12x40	-5.09	19.75
P-10	(21.08)	15.64	14.64	11.49	W12x40	-5.87	20.50
P-11	(21.01)	15.64	14.64	11.35	W14x43	-7.61	22.24
P-12	(21.01)	15.64	14.64	11.20	W14x43	-7.61	22.24
P-13	(21.08)	15.22	14.22	10.86	W12x40	-6.64	20.86
P-14	(21.08)	15.03	14.03	10.67	W12x40	-6.64	20.67
P-15	(21.08)	14.84	13.84	10.47	W12x40	-6.64	20.48
P-16	(21.08)	14.61	13.61	10.08	W12x40	-7.43	21.04
P-17	(21.08)	14.35	13.35	9.88	W12x40	-7.43	20.78
P-18	(21.08)	14.08	13.08	9.69	W12x40	-7.43	20.51
P-19	(21.08)	13.78	12.78	9.29	W12x40	-9.34	22.12
P-20	(21.08)	13.45	12.45	9.10	W12x40	-9.34	21.78
P-21	(21.08)	13.11	12.11	8.90	W12x40	-9.34	21.44
P-22	(21.08)	12.77	11.77	8.50	W12x40	-10.13	21.90
P-23	(21.08)	12.42	11.42	8.30	W12x40	-10.13	21.55
P-24	(21.08)	12.07	11.07	8.10	W12x40	-10.13	21.20
P-25	(21.08)	11.72	10.72	7.63	W12x40	-10.93	21.65
P-26	(21.08)	11.37	10.37	7.37	W12x40	-10.93	21.30
P-27	(21.08)	11.03	10.03	7.11	W12x40	-10.93	20.95
P-28	(21.01)	10.42	9.42	6.33	W14x43	-12.27	21.69
P-29	(21.01)	10.03	9.03	6.07	W14x43	-12.27	21.30
P-30	(21.01)	9.63	8.63	5.55	W14x43	-13.08	21.72
P-31	(21.08)	9.29	8.29	5.29	W12x40	-12.54	20.83
P-32	(21.08)	8.94	7.94	5.02	W12x40	-12.54	20.48
P-33	(21.08)	8.59	7.59	4.50	W12x40	-13.35	20.94
P-34	(21.08)	8.24	7.24	4.24	W12x40	-13.35	20.59
P-35	(21.01)	7.89	6.89	3.98	W14x48	-13.89	20.79
P-36	(21.01)	7.47	6.47	3.49	W14x48	-15.46	21.93
P-37	(21.08)	7.22	6.22	3.26	W12x40	-14.17	20.39
P-38	(21.08)	6.95	5.95	3.03	W12x40	-14.17	20.13
P-39	(21.17)	6.66	5.66	2.59	W10x33	-9.44	15.09
P-40	(21.17)	6.37	5.37	2.37	W10x33	-9.44	14.81
P-41	(21.17)	6.08	5.08	2.16	W10x33	-9.44	14.52
P-42	(21.17)	5.82	4.82	1.75	W10x33	-10.10	14.91
P-43	(21.17)	5.56	4.56	1.56	W10x33	-10.10	14.66
P-44	(21.17)	5.31	4.31	1.38	W10x33	-10.10	14.41
P-45	(21.17)	5.06	4.06	0.99	W10x33	-10.63	14.69
P-46	(21.17)	4.80	3.80	0.80	W10x33	-10.63	14.43
P-47	(21.17)	4.54	3.54	0.60	W10x33	-10.63	14.17
P-48	(21.17)	4.30	3.30	0.24	W10x33	-11.08	14.38
P-49	(21.17)	4.07	3.07	0.07	W10x33	-11.08	14.15
P-50	(21.17)	3.85	2.85	-0.10	W10x33	-11.08	13.93
P-51	(21.17)	3.64	2.64	-0.41	W10x33	-11.55	14.19
P-52	(21.17)	3.45	2.45	-0.55	W10x33	-11.55	13.99
P-53	(21.17)	3.25	2.25	-0.70	W10x33	-11.55	13.80
P-54	(21.17)	3.08	2.08	-0.96	W10x33	-12.11	14.19
P-55	(21.17)	2.94	1.94	-1.07	W10x33	-12.11	14.06
P-56	(21.17)	2.81	1.81	-1.18	W10x33	-12.11	13.92
P-57	(21.17)	2.67	1.67	-1.29	W10x33	-12.11	13.79

*Offset from @ Ramp 47A

BILL OF MATERIAL

Item	Unit	Quantity
Furnishing Soldier Piles (W Sections)	Foot	1,059
Drill/Set Soldier Piles (In Soil)	Cu. Ft.	4,169

NOTES

- All piles have drilled shaft dia = 2'-0".

SHEET 6 OF 15

REVISIONS	
NAME	DATE
REVISED	06/15/06
ADDENDUM 2	8/04/06

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)

RETAINING WALL S-47N-R
PILE LAYOUT

SCALE: NTS
 DATE: JUNE 9, 2006

DRAWN BY: MTR
 CHECKED BY: BLU

BOWMAN, BARRETT & ASSOCIATES INC.
 CONSULTING ENGINEERS
 Chicago, Illinois
 312.228.0100
 www.bbainc.com

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8/7/2006