

PILE LAYOUT

Pile	Offset*	Top of Wall El.	Top of Pile Elevation	Bot. of Facing Elevation	Section	Pile Tip Elevation	Pile Length
P-1	-21.09	6.75	5.75	2.80	W10x33	-12.27	18.02
P-2	-21.09	6.98	5.98	2.98	W10x33	-12.27	18.26
P-3	-21.09	7.22	6.22	3.16	W10x33	-12.27	18.49
P-4	-21.09	7.47	6.47	3.54	W10x33	-11.81	18.28
P-5	-21.09	7.74	6.74	3.74	W10x33	-11.81	18.55
P-6	-21.09	8.01	7.01	3.94	W10x33	-11.81	18.82
P-7	-21.09	8.30	7.30	4.37	W10x33	-11.32	18.61
P-8	-21.10	8.61	7.61	4.61	W10x33	-11.32	18.93
P-9	-21.11	8.92	7.92	4.84	W10x33	-11.32	19.24
P-10	-20.98	9.23	8.23	5.22	W14x48	-15.54	23.78
P-11	-21.02	9.55	8.55	5.37	W14x48	-15.54	24.09
P-12	-21.09	9.86	8.86	5.52	W14x48	-15.54	24.41
P-13	-21.17	10.18	9.18	5.83	W14x48	-15.04	24.22
P-14	-21.14	10.50	9.50	5.99	W14x48	-15.04	24.54
P-15	-21.06	10.82	9.82	6.15	W14x48	-15.04	24.86
P-16	-21.00	11.14	10.14	6.48	W14x48	-14.40	24.53
P-17	-20.96	11.45	10.45	6.65	W14x48	-14.40	24.85
P-18	-20.94	11.77	10.77	6.82	W14x48	-14.40	25.17
P-19	-20.92	12.07	11.07	7.16	W14x48	-13.72	24.78
P-20	-20.92	12.34	11.34	7.33	W14x48	-13.72	25.06
P-21	-20.92	12.61	11.61	7.50	W14x48	-13.72	25.33
P-22	-20.92	12.86	11.86	7.84	W14x48	-13.04	24.90
P-23	-20.92	13.08	12.08	8.01	W14x48	-13.04	25.12
P-24	-20.92	13.30	12.30	8.18	W14x48	-13.04	25.34
P-25	-20.92	13.48	12.48	8.52	W14x48	-11.86	24.35
P-26	-20.92	13.63	12.63	8.69	W14x48	-11.86	24.50
P-27	-20.92	13.78	12.78	8.86	W14x48	-11.86	24.65
P-28	-20.92	13.90	12.90	9.20	W14x48	-11.18	24.08
P-29	-20.92	13.98	12.98	9.37	W14x48	-11.18	24.16
P-30	-20.92	14.06	13.06	9.54	W14x48	-11.18	24.24
P-31	-20.92	14.14	13.14	9.82	W14x48	-10.50	23.64
P-32	-20.92	14.22	13.22	9.92	W14x48	-10.50	23.72
P-33	-20.92	14.30	13.30	10.03	W14x48	-10.50	23.80
P-34	-21.09	14.38	13.38	10.09	W10x33	-6.62	20.00
P-35	-21.09	14.46	13.46	10.04	W10x33	-6.62	20.08
P-36	-21.09	14.54	13.54	10.00	W10x33	-6.62	20.16
P-37	-21.09	13.90	12.90	9.87	W10x33	-6.62	19.52
P-38	-21.09	13.78	12.78	9.78	W10x33	-6.62	19.40
P-39	-21.09	13.67	12.67	9.70	W10x33	-6.62	19.29

*Offset from @ Ramp 43D

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90 *		COOK	565	409
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62301		(2021-922 PT2 ETC 2324.6-1P) R-10		

NOTES

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

BILL OF MATERIAL

Item	Unit	Quantity
Furnishing Soldier Piles (W Sections)	Foot	874
Drilling and Setting Soldier Piles (In Soil)	Cu. Ft.	2,834

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
Chicago, Illinois
312.228.0100
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REVISIONS	
NAME	DATE
REVISED	06/15/06

SHEET 4 OF 9

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

**RETAINING WALL N-43S-R
PILE LAYOUT**

SCALE: NTS
DATE: JUNE 9, 2006

DRAWN BY: MTR
CHECKED BY: BLU

6/23/2006 2:31:39 PM