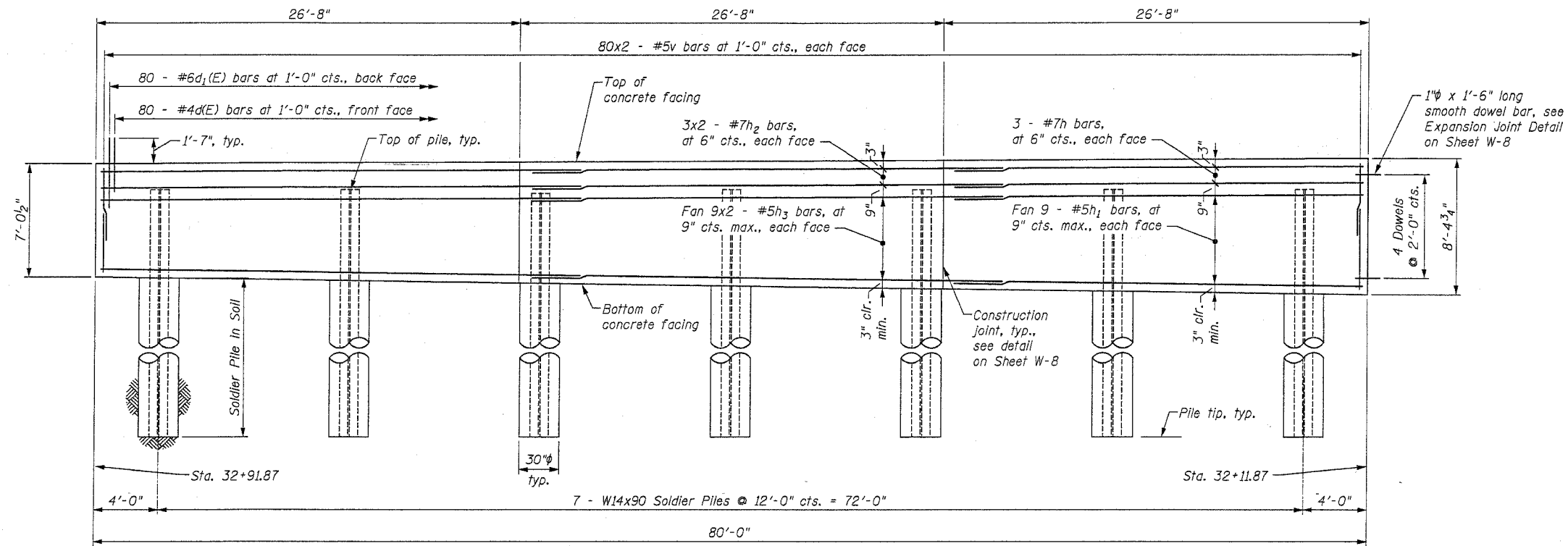


Contract No. 62098



ELEVATION - PANEL 1
Looking South

NOTES:

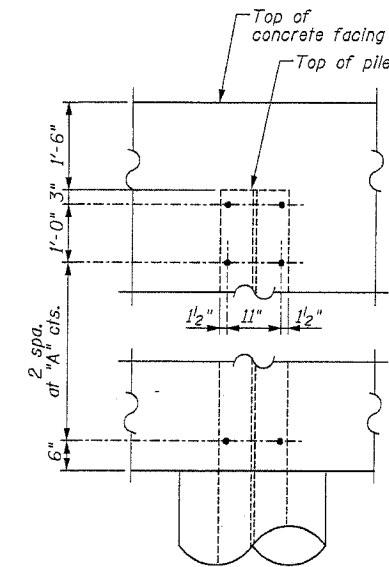
1. Reinforcement designated 3x2-#4, etc., indicates 3 lines of #4 bars with 2 bars per line.
2. Reinforcement bars designated (E) shall be epoxy coated.
3. Minimum bar laps: #5 = 1'-9", #7 = 2'-9"
4. For typical concrete facing sections and details, including joints, rustication, etc., see Sheet W-8.
5. For details of concrete parapet to be cast on top of concrete facing, see Sheet W-9.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	80	#4	3'-0"	—
d1(E)	80	#6	3'-9"	—
h	6	#7	26'-4"	—
h1	18	#5	26'-4"	—
h2	12	#7	29'-6"	—
h3	36	#5	28'-6"	—
v	320	#5	4'-11"	—
Item	Unit	Quantity		
Porous Granular Embankment	Cu. Yd.	80		
Structure Excavation	Cu. Yd.	30		
Concrete Structures	Cu. Yd.	23.6		
Stud Shear Connectors	Each	56		
Furnishing Soldier Piles (W Section)	Foot	163		
Reinforcement Bars	Pound	5663		
Reinforcement Bars, Epoxy Coated	Pound	611		
Geocomposite Wall Drain	Sq. Yd.	60		
Drilling and Setting Soldier Piles (In Soil)	Cu. Ft.	584		
Rustication Finish	Sq. Ft.	378		

WALL INFORMATION - PANEL 1

Location	Station	Front Face of Facing Offset (ft.)	Top of Facing Elevation	Bottom of Facing Elevation	Facing Height	Top of Rock Elevation	Pile Embedment in Soil (ft.)	Minimum Pile Embedment in Rock (ft.)	Top of Pile Elevation	Bottom of Pile Elevation	Pile Length (ft.)	Pile Type	Shear Stud Connectors	
													Dim. "A" (ft.)	Total
Start Panel	3291.87	43.00 Lt	599.64	592.60	7.04									
Pile 1	3287.87	43.00 Lt	599.65	592.55	7.10	573.30	17.00	0.00	598.15	575.55	22.60	W14x90	1.93	8
Pile 2	3275.87	43.00 Lt	599.69	592.39	7.30	573.30	17.00	0.00	598.19	575.39	22.80	W14x90	2.02	8
Pile 3	3263.87	43.00 Lt	599.73	592.23	7.50	573.30	17.00	0.00	598.23	575.23	23.00	W14x90	2.13	8
Pile 4	3251.87	43.00 Lt	599.78	592.08	7.71	573.30	17.00	0.00	598.28	575.08	23.21	W14x90	2.23	8
Pile 5	3239.87	43.00 Lt	599.84	591.92	7.92	573.30	17.00	0.00	598.34	574.92	23.42	W14x90	2.33	8
Pile 6	3227.87	43.00 Lt	599.89	591.76	8.13	573.30	17.00	0.00	598.39	574.76	23.63	W14x90	2.44	8
Pile 7	3215.87	43.00 Lt	599.94	591.60	8.33	573.30	17.00	0.00	598.44	574.60	23.83	W14x90	2.54	8
End Panel	3211.87	43.00 Lt	599.95	591.55	8.40									



SHEAR STUD DETAIL

DESIGNED	MJM
CHECKED	WHE
DRAWN	EAB
CHECKED	WHE

LOWCO, INC.
CONSULTING ENGINEERS 700 EAST DIEHL ROAD., SUITE 180
NAPERVILLE, ILLINOIS 60563 (630) 577-9100

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
WALL ELEVATION (1 OF 5)
DRILLED SOLDIER PILE WALL
US ROUTE 30 (LINCOLN HIGHWAY)
OVER LILY CACHE CREEK
WILL COUNTY
F.A.P. ROUTE 0575 SEC. 14BR
STATION 31+00.61 NEW STRUCTURE NO. 099-W012
DATE 03/24/05