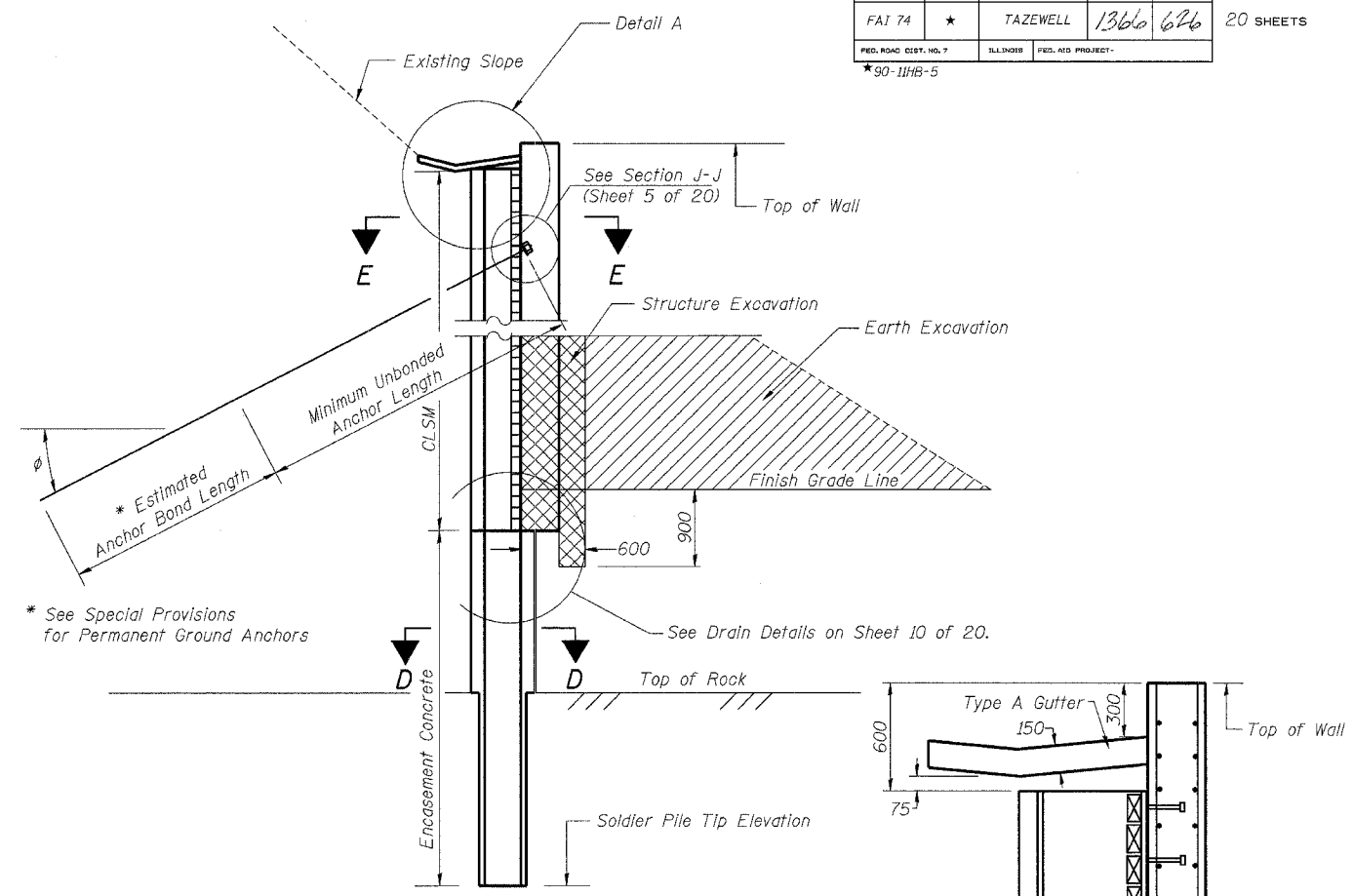
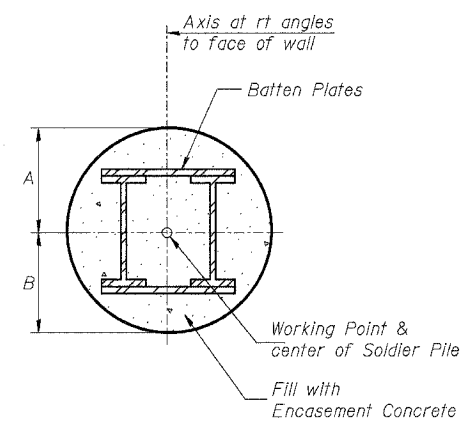


Panel	Soldier Pile Designation	Station	Offset to Working Point	Pile Size	Top of Soldier Pile Elevation	Bottom of Soldier Pile Elevation	Top of Encasement Concrete Elevation	Estimated Length of Soldier Pile (m)	Diameter of Shaft Excavation (m)	Number of Shear Connectors
A	A1	10+506.88	25.267	W310x158	150.187	146.213	148.300	3.700	0.610	12
	A2	10+505.31	23.398	W310x158	150.713	146.213	148.000	4.500	0.610	16
	A3	10+503.80	21.514	W310x158	151.239	145.939	147.700	5.300	0.610	20
	A4	10+502.28	19.649	W310x158	151.765	145.565	147.530	6.200	0.610	24
B	B1	10+501.20	18.492	2-W250x80	152.127	142.727	147.320	9.400	0.914	52
	B2	10+499.36	16.949	2-W250x80	152.653	142.753	147.100	9.900	0.914	60
	B3	10+497.52	15.412	2-W250x80	153.179	142.679	146.890	10.500	0.914	68
	B4	10+495.67	13.881	2-W250x80	153.705	142.605	146.790	11.100	0.914	72
C	C1	10+494.35	12.985	2-W250x80	154.049	142.649	146.720	11.400	0.914	76
	C2	10+492.25	11.820	2-W310x107	154.512	142.712	146.640	11.800	1.067	84
	C3	10+490.05	10.664	2-W310x107	154.976	142.676	146.570	12.300	1.067	88
	C4	10+488.03	9.515	2-W310x107	155.440	142.740	146.540	12.700	1.067	92
D	D1	10+486.57	8.908	2-W310x107	155.730	142.930	146.540	12.800	1.067	96
	D2	10+484.26	8.223	2-W250x80	156.099	143.199	146.580	12.900	0.914	100
	D3	10+481.95	7.547	2-W250x80	156.468	143.468	146.710	13.000	0.914	104
	D4	10+479.63	6.881	2-W250x80	156.836	143.636	146.850	13.200	0.914	104
E	E1	10+478.05	6.600	2-W310x107	157.109	143.809	146.980	13.300	1.067	104
	E2	10+475.65	6.343	2-W310x107	157.540	144.040	147.090	13.500	1.067	108
	E3	10+473.25	6.095	2-W310x107	157.971	144.271	147.280	13.700	1.067	112
	E4	10+470.85	5.858	2-W310x107	158.402	144.502	147.470	13.900	1.067	112
F	F1	10+469.19	5.704	2-W310x107	158.703	144.603	147.660	14.100	1.067	116
	F2	10+466.78	5.493	2-W310x107	159.148	144.648	147.800	14.500	1.067	116
	F3	10+464.37	5.292	2-W310x107	159.592	144.792	147.990	14.800	1.067	120
	F4	10+461.96	5.101	2-W310x107	160.037	144.837	148.180	15.200	1.067	124
G	G1	10+460.30	4.975	2-W310x107	160.344	144.944	148.370	15.400	1.067	124
	G2	10+457.89	4.799	2-W310x107	160.791	144.891	148.510	15.900	1.067	128
	G3	10+455.47	4.634	2-W310x107	161.239	144.739	148.700	16.500	1.067	128
	G4	10+453.06	4.478	2-W310x107	161.686	144.686	148.930	17.000	1.067	132
H	H1	10+451.39	4.378	2-W310x107	161.994	144.594	149.090	17.400	1.067	132
	H2	10+448.98	4.243	2-W310x107	162.322	144.422	149.230	17.900	1.067	136
	H3	10+446.56	4.118	2-W310x107	162.197	144.297	149.420	17.900	1.067	132
	H4	10+444.14	4.003	2-W310x107	162.072	144.172	149.610	17.900	1.067	128
I	I1	10+442.47	3.929	2-W310x107	161.986	144.386	149.790	17.600	1.067	128
	I2	10+440.05	3.829	2-W310x107	161.862	144.562	149.940	17.300	1.067	124
	I3	10+437.62	3.740	2-W310x107	161.734	144.734	150.130	17.000	1.067	120
	I4	10+435.20	3.660	2-W310x107	161.612	144.912	150.320	16.700	1.067	116
J	J1	10+433.52	3.559	2-W250x80	161.528	145.128	150.510	16.400	0.914	116
	J2	10+431.10	3.426	2-W250x80	161.409	145.009	150.890	16.400	0.914	108
	J3	10+428.68	3.302	2-W250x80	161.290	144.990	151.780	16.300	0.914	100
	J4	10+426.26	3.188	2-W250x80	161.170	144.970	152.660	16.200	0.914	88
K	K1	10+424.59	3.119	2-W250x80	161.088	144.988	153.550	16.100	0.914	80
	K2	10+422.15	3.030	2-W250x80	160.969	144.969	153.860	16.000	0.914	76
	K3	10+419.71	2.940	2-W250x80	160.850	145.050	153.860	15.800	0.914	76
	K4	10+417.28	2.851	2-W250x80	160.730	145.030	154.270	15.700	0.914	68
L	L1	10+415.62	2.869	W310x158	160.649	154.649	156.650	6.000	0.914	22
	L2	10+406.93	6.163	W310x158	161.700	154.600	156.950	7.100	0.610	0
	L3	10+406.38	4.633	W310x158	160.700	154.600	156.950	6.100	0.610	0
	L4	10+406.30	3.025	W310x158	160.200	156.650	156.650	5.600	0.914	20
M	M1	10+404.62	3.041	W310x158	160.117	153.600	156.720	5.500	0.610	20
	M2	10+402.18	3.094	W310x158	159.995	153.600	156.700	5.400	0.610	18
	M3	10+399.74	3.123	W310x158	159.873	153.600	156.690	5.300	0.610	18
	M4	10+397.30	3.175	W310x158	159.751	153.600	156.670	5.200	0.610	18
N	N1	10+395.62	3.205	W310x158	159.645	154.000	156.660	5.100	0.610	18
	N2	10+393.18	3.250	W310x158	159.460	154.000	156.640	4.900	0.610	16
	N3	10+390.74	3.283	W310x158	159.276	154.000	156.630	4.700	0.610	16
	N4	10+388.30	3.328	W310x158	159.092	154.000	156.610	4.600	0.610	14
O	O1	10+386.61	3.344	W310x158	158.965	154.465	156.600	4.500	0.610	14
	O2	10+384.17	3.356	W310x158	158.780	154.480	156.580	4.300	0.610	14
	O3	10+381.73	3.356	W310x158	158.596	154.496	156.570	4.100	0.610	12
	O4	10+379.29	3.344	W310x158	158.412	154.512	156.570	3.900	0.610	12



TYPICAL CROSS SECTION

DETAIL A

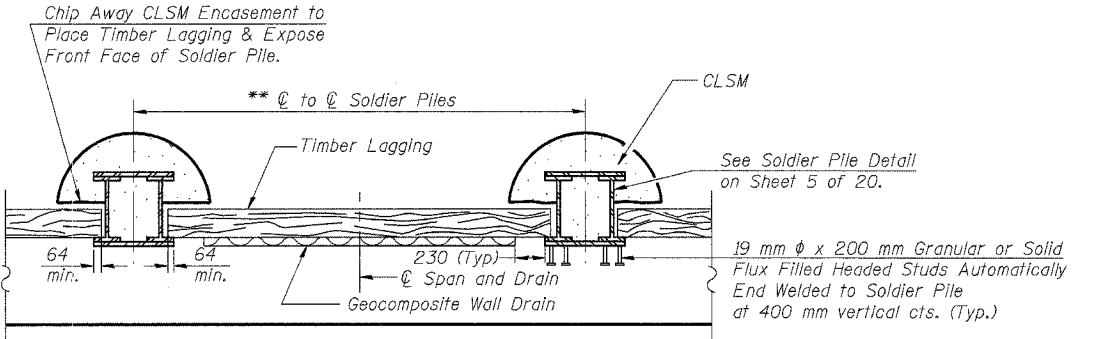


SECTION D-D

Pile Size	A(m)	B(m)
2-W250 x 80	0.457	0.457
2-W310 x 107	0.534	0.534
*** W310 x 158	0.307	0.607
W310 x 158	0.305	0.305

*** For Piles L1 and L4

Notes:
 Hatched area indicates "Earth Excavation." Quantity is included with roadway plans. There shall be no excavation behind the wall. The Timber Lagging shall be installed as the "Structure Excavation" proceeds down the wall.
 If additional length is required, that length shall be added to the bottom of the pile and shall be paid for at the unit price bid for Furnishing Soldier Piles, with the cost of splicing being included in the unit price and the method of splicing approved by the Engineer.
 Cross hatched area indicates Structure Excavation.
 Soldier pile numbering increases from north to south.



SECTION E-E

** The Contractor is Responsible for the Design and Performance of the Temporary Lagging Using No Less than a 75 mm Rough-Sawn Lagging Thickness and Minimum fb = 7 MPa.

LIN ENGINEERING, LTD.
 20 W. DuSable
 Chicago, Illinois 60629
 Phone: 312-421-1100
 Fax: 312-421-1105
 Designed By: MTH Checked By: KRK Drawn By: JMD
 Date: 09/08 File: r0404-S09R08513.dwg

REVISIONS
NAME

ILLINOIS DEPARTMENT OF TRANSPORTATION
SOLDIER PILES
RETAINING WALL 82
F.A.I. RTE. 74 (I-74)
SECTION 90-11HB-5
TAZEWELL COUNTY
RAMP K-2 STATION 10+378 TO 10+507
STRUCTURE NUMBER 090-8513