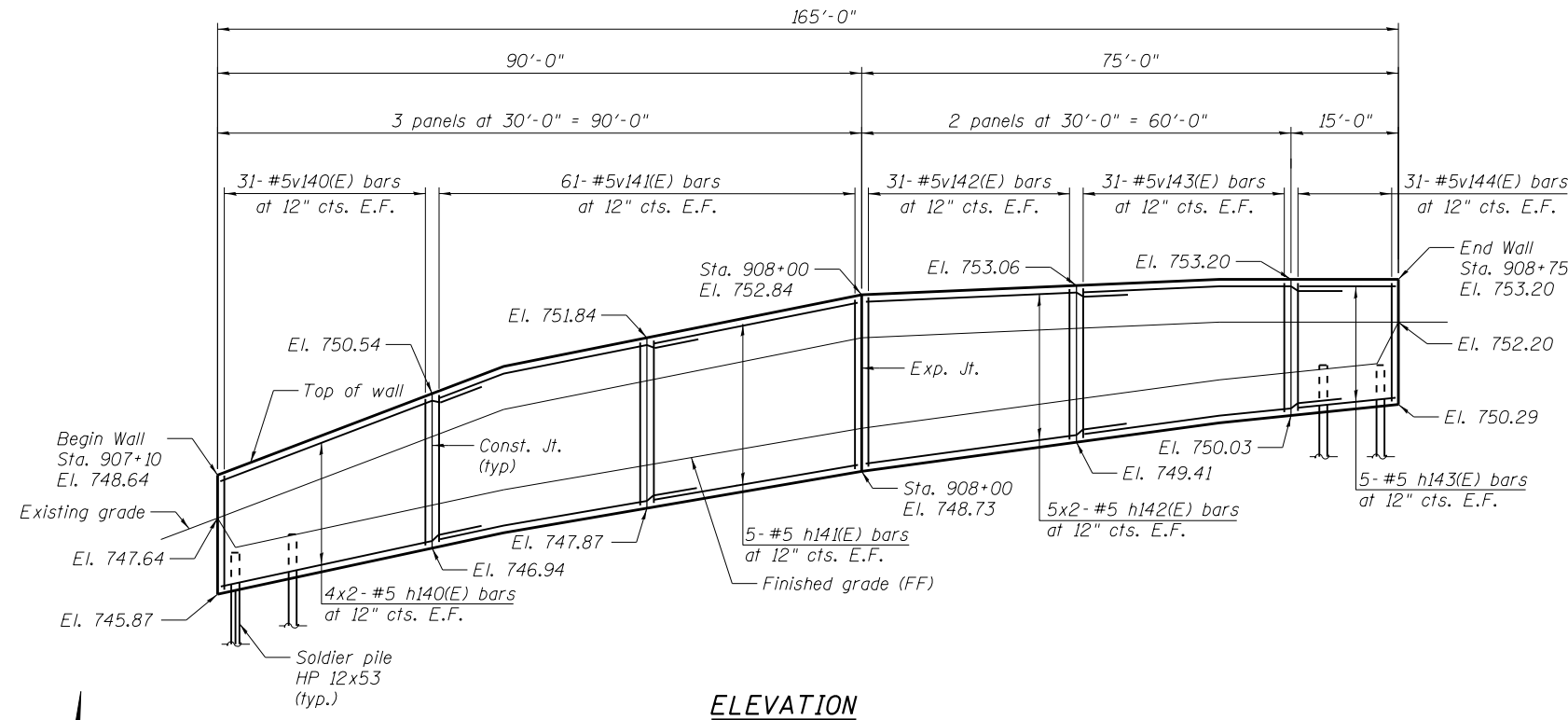
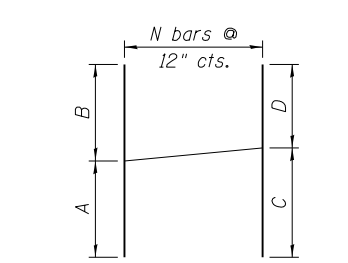


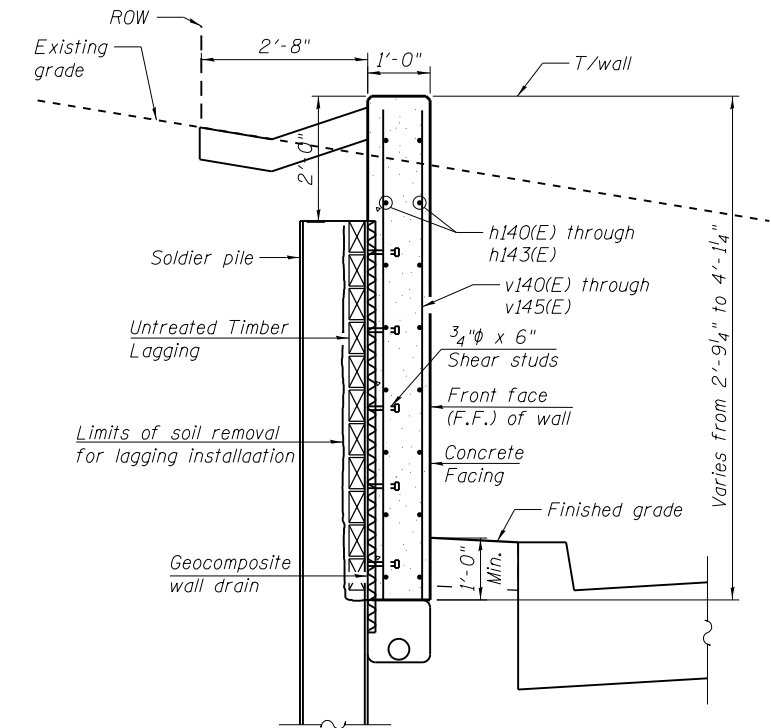
Bar	A	B	C	D	N
v140(E)	2'-10 1/4"	2'-10 1/4"	2'-5 1/2"	3'-3"	16
v142(E)	3'-6 1/2"	3'-6 1/2"	3'-9 1/4"	3'-3 3/4"	16
v143(E)	3'-1"	3'-1"	3'-4"	2'-10"	16



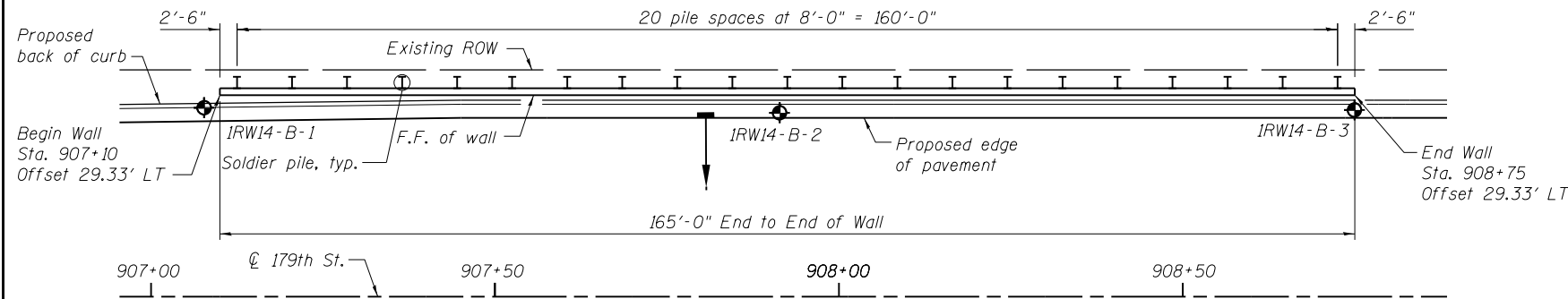
ELEVATION



BAR CUTTING DIAGRAM



SECTION THRU DRIVEN SOLDIER PILE WALL



PLAN

SOLDIER PILE SCHEDULE

Pile	Size	Top Elev.	Bot. Elev.	Length	Studs
P1	W12x53	747.80	732.96	14.84	4
P2	W12x53	748.31	733.24	15.06	6
P3	W12x53	748.81	733.53	15.28	6
P4	W12x53	749.32	733.82	15.50	6
P5	W12x53	749.74	734.08	15.66	6
P6	W12x53	750.08	734.33	15.75	6
P7	W12x53	750.43	734.58	15.85	6
P8	W12x53	750.78	734.82	15.95	6
P9	W12x53	751.06	735.06	16.00	8
P10	W12x53	751.32	735.29	16.04	8
P11	W12x53	751.59	735.52	16.08	8
P12	W12x53	751.84	735.74	16.10	8
P13	W12x53	751.90	735.92	15.98	6
P14	W12x53	751.96	736.10	15.86	6
P15	W12x53	752.02	736.29	15.73	6
P16	W12x53	752.07	736.46	15.61	6
P17	W12x53	752.11	736.63	15.48	6
P18	W12x53	752.15	736.79	15.35	6
P19	W12x53	752.18	736.96	15.23	6
P20	W12x53	752.20	737.11	15.09	6
P21	W12x53	752.20	737.01	15.19	6

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h140(E)	16	#5	33'-8"	—
h141(E)	10	#5	29'-8"	—
h142(E)	20	#5	33'-8"	—
h143(E)	10	#5	14'-8"	—
v140(E)	62	#5	5'-8 1/2"	—
v141(E)	122	#5	3'-7"	—
v142(E)	62	#5	7'-1"	—
v143(E)	62	#5	6'-2"	—
v144(E)	32	#5	2'-8"	—
Structure Excavation		Cu. Yd.		51
Concrete Structures		Cu. Yd.		36.6
Stud Shear Connector		Each		114
Reinforcement Bars, Epoxy Coated		Pound		3500
Geocomposite Wall Drain		Sq. Yd.		24
Driving Soldier Piles		Foot		329
Ornamental Railing		Foot		165
Untreated Timber Lagging		Sq. Ft.		235
Furnishing Soldier Piles (HP Section)		Foot		329

Notes:

1. Wall stations, offsets and dimensions are measured at front face of wall.
 2. All exposed corners shall have a 1" chamfer.
 3. For General Notes, Wall Key Plan and US 45 Profile see Sheet 1.
 4. For Typical Wall Details and Ornamental Railing see Sheet 2.
 5. For storm drain details see drainage drawings.
- The Contractor is responsible for the design and performance of the lagging using no less than a 3 in. nominal rough-sawn thickness and timber with a minimum allowable bearing stress of 1000 psi.