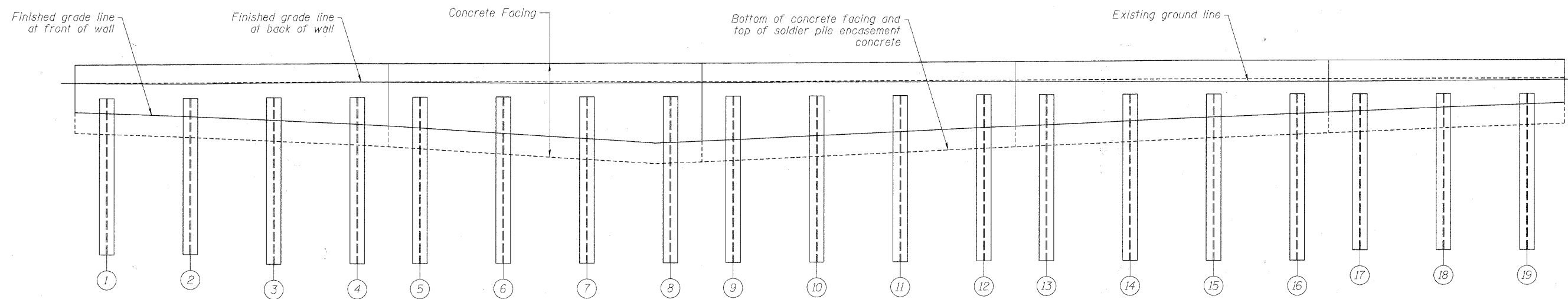


PLAN

(All dimensions are measured along front face of wall)

SHAFT SIZES

PILE SIZE	SHAFT EXCAVATION SIZE
W36x302	4'-0" ϕ
W36x282	4'-0" ϕ
W33x201	3'-6" ϕ
W21x147	2'-6" ϕ
W21x101	2'-6" ϕ



ELEVATION

(Unfolded Elevation View)

PILE SUMMARY

PILE NO.	PILE SIZE	LENGTH	BOTTOM ELEVATION	TOP ELEVATION	PILE NO.	PILE SIZE	LENGTH	BOTTOM ELEVATION	TOP ELEVATION	PILE NO.	PILE SIZE	LENGTH	BOTTOM ELEVATION	TOP ELEVATION
1	W21x101	15.00	599.39	614.39	7	W21x101	17.00	597.55	614.55	13	W21x101	16.00	598.86	614.86
2	W21x101	15.00	599.44	614.44	8	W21x101	17.00	597.61	614.61	14	W21x101	16.00	598.91	614.91
3	W21x101	16.00	598.48	614.48	9	W21x101	17.00	597.66	614.66	15	W21x101	15.00	599.96	614.96
4	W21x101	16.00	598.52	614.52	10	W21x101	16.00	598.70	614.70	16	W21x101	15.00	599.99	614.99
5	W21x101	17.00	597.46	614.46	11	W21x101	16.00	598.76	614.76	17	W21x101	15.00	600.00	615.00
6	W21x101	17.00	597.50	614.50	12	W21x101	16.00	598.81	614.81	18	W21x101	15.00	600.00	615.00
										19	W21x101	15.00	600.01	615.01

BILL OF MATERIAL

Item	Unit	Quantity
Stud Shear Connectors	Each	397
Untreated Timber Lagging	Sq. Ft.	1,128
Geocomposite Wall Drain	Sq. Yd.	125
Pipe Underdrains for Structures, 4"	Foot	147
Drilling and Setting Soldier Piles (In Soil)	Cu. Ft.	1,483
Furnishing Soldier Piles (W 21 x 101)	Foot	302

FILE NAME = P:\6015877_002_240\001_Drawing\Shasta\Structural\016-7726\DOT-mst53-Pile P&E.dwg



USER NAME = dabezicd	DESIGNED - DD	REVISED -
PLOT SCALE = 0:1.0000' = 1" / 16'	DRAWN - DD	REVISED -
PLOT DATE = 2/17/2011	CHECKED - EJO	REVISED -
	DATE - 11/22/2010	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOLDIER PILE PLAN & ELEVATION
STRUCTURE NO. 016-7726**

SCALE: SHEET NO. 53 OF 65 SHEETS STA. 27+60.00 TO STA. 58+65.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	143
CONTRACT NO. 63556			ILLINOIS FED. AID PROJECT	