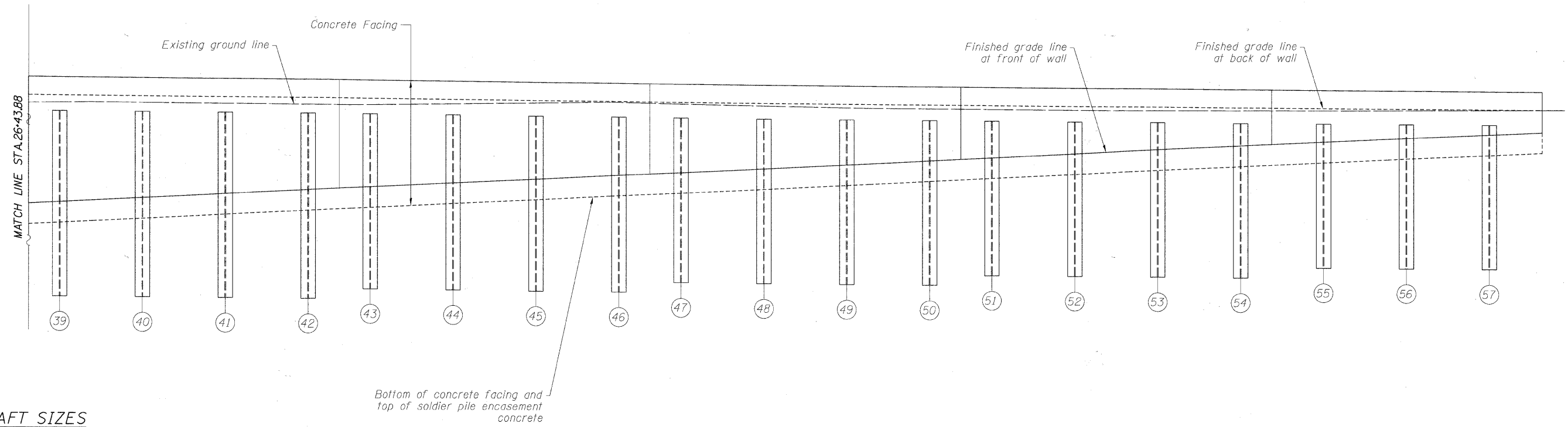


PLAN
(All dimensions are measured along front face of wall)



ELEVATION

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

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
39	W21x101	19.00	596.66	615.66	46	W21x101	18.00	597.10	615.10	52	W21x101	15.00	599.63	614.63
40	W21x101	19.00	596.58	615.58	47	W21x101	17.00	598.04	615.04	53	W21x101	15.00	599.55	614.55
41	W21x101	19.00	596.49	615.49	48	W21x101	17.00	597.95	614.95	54	W21x101	15.00	599.47	614.47
42	W21x101	19.00	596.41	615.41	49	W21x101	17.00	597.87	614.87	55	W21x101	15.00	599.38	614.38
43	W21x101	18.00	597.35	615.35	50	W21x101	17.00	597.78	614.78	56	W21x101	15.00	599.30	614.30
44	W21x101	18.00	597.27	615.27	51	W21x101	15.00	599.72	614.72	57	W21x101	15.00	599.22	614.22
45	W21x101	18.00	597.18	615.18										

BILL OF MATERIAL

Item	Unit	Quantity
Stud Shear Connectors	Each	2,121
Untreated Timber Lagging	Sq. Ft.	7,073
Geocomposite Wall Drain	Sq. Yd.	786
Pipe Underdrains for Structures, 4"	Foot	419
Drilling and Setting Soldier Piles (In Soil)	Cu. Ft.	19,259
Furnishing Soldier Piles (W 21 x 101)	Foot	321
Furnishing Soldier Piles (W 21 x 147)	Foot	88
Furnishing Soldier Piles (W 33 x 201)	Foot	232
Furnishing Soldier Piles (W 36 x 282)	Foot	312
Furnishing Soldier Piles (W 36 x 302)	Foot	883

FILE NAME = P:\6155977\002_CAD\001_Drawing\Sheet\Structure\016-7724_1101_sht41_Pile_P&E_3.dgn



USER NAME = dabezicd	DESIGNED - DD	REVISED -
PLOT SCALE = 2:1, 8000' = 1" / 111'	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 III
STRUCTURE NO. 016-7724**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	131
CONTRACT NO. 63556			ILLINOIS FED. AID PROJECT	

SCALE: SHEET NO. 41 OF 65 SHEETS STA. 26+43.88 TO STA. 27+90.00