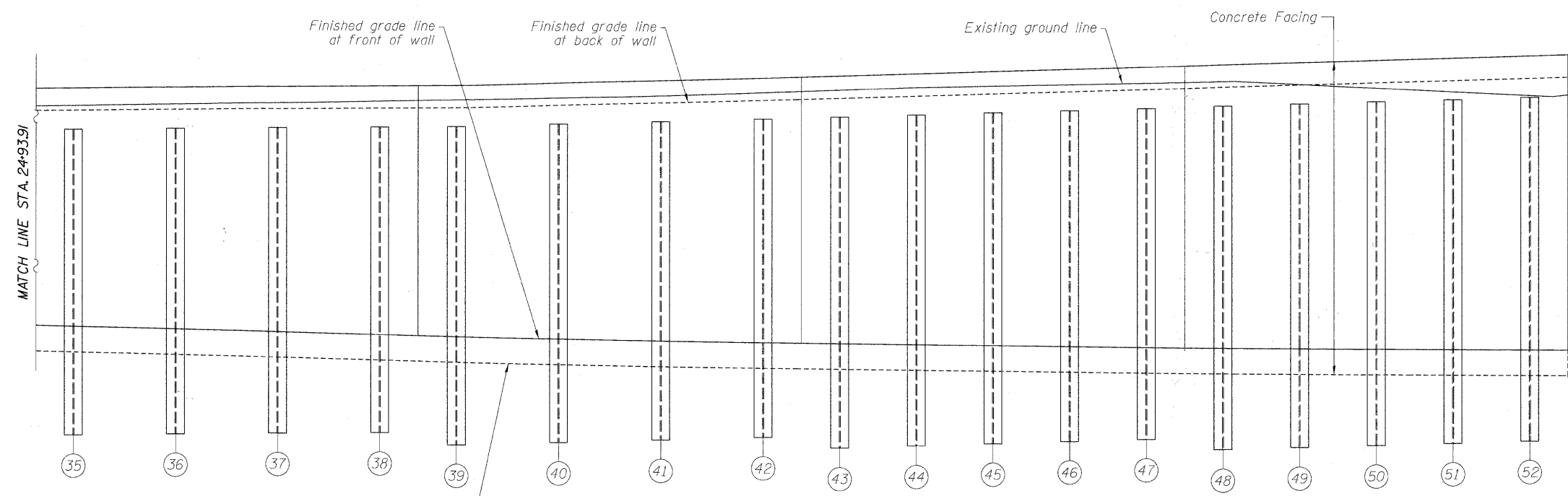


PLAN

(All dimensions are measured along front face of wall)



ELEVATION

(Unfolded Elevation View)

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
35	W36x302	45.00	570.90	615.90	41	W36x302	47.00	569.54	616.54	47	W36x302	50.00	567.60	617.60
36	W36x302	45.00	571.00	616.00	42	W36x302	47.00	569.76	616.76	48	W36x302	53.00	564.76	617.76
37	W36x302	45.00	571.10	616.10	43	W36x302	50.00	566.93	616.93	49	W36x302	53.00	564.93	617.93
38	W36x302	45.00	571.19	616.19	44	W36x302	50.00	567.10	617.10	50	W36x302	53.00	565.10	618.10
39	W36x302	47.00	569.27	616.27	45	W36x302	50.00	567.26	617.26	51	W36x302	53.00	565.26	618.26
40	W36x302	47.00	569.36	616.36	46	W36x302	50.00	567.43	617.43	52	W36x302	53.00	565.43	618.43

BILL OF MATERIAL

Item	Unit	Quantity
Stud Shear Connectors	Each	2,009
Untreated Timber Lagging	Sq. Ft.	6,104
Geocomposite Wall Drain	Sq. Yd.	678
Pipe Underdrains for Structures, 4"	Foot	379
Drilling and Setting Soldier Piles (In Soil)	Cu. Ft.	18,832
Furnishing Soldier Piles (W 21 x 101)	Foot	234
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 = F:\6056977_0000_CAD\001_Drawing\Sheet\Structural\016-7725_1001-struct-1-11e_P&E_3.dgn



USER NAME = dabrzdcd	DESIGNED - DD	REVISED -
PLOT SCALE = 0:1.0000 ' = 1/8" = 1/8"	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. 016-7725**

SCALE: SHEET NO. 48 OF 65 SHEETS STA. 24+93.91 TO STA. 23+73.91

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	138
CONTRACT NO. 63556			ILLINOIS FED. AID PROJECT	