

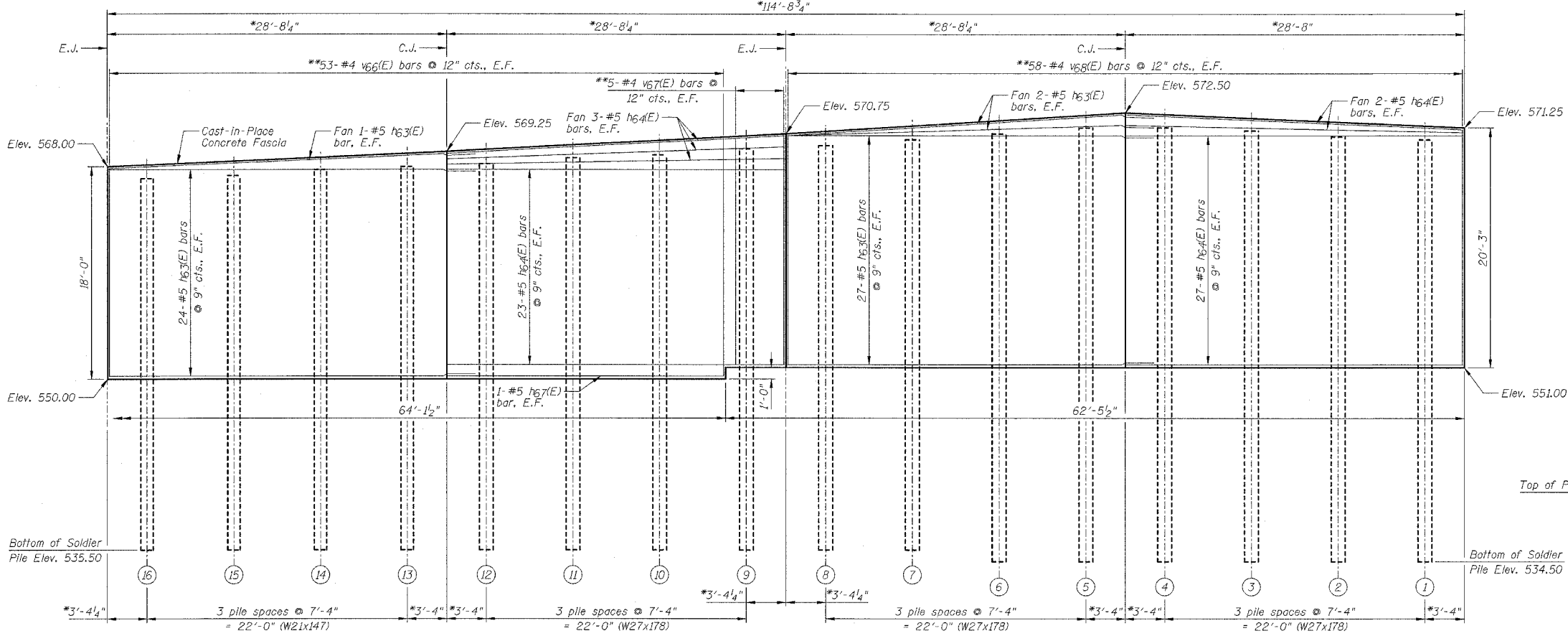
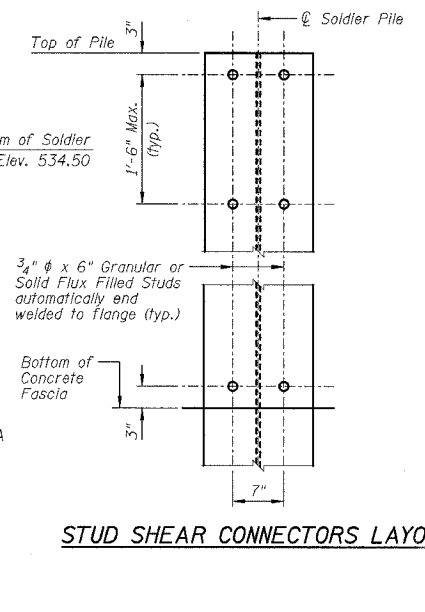
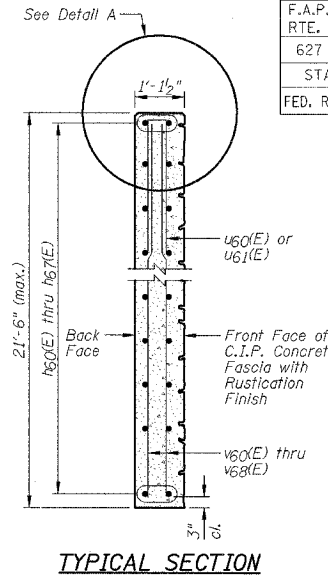
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
627	(I-1) BR & I	LA SALLE	106	53
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

SHEET NO. 65
OF 12 SHEETS

BILL OF MATERIALS

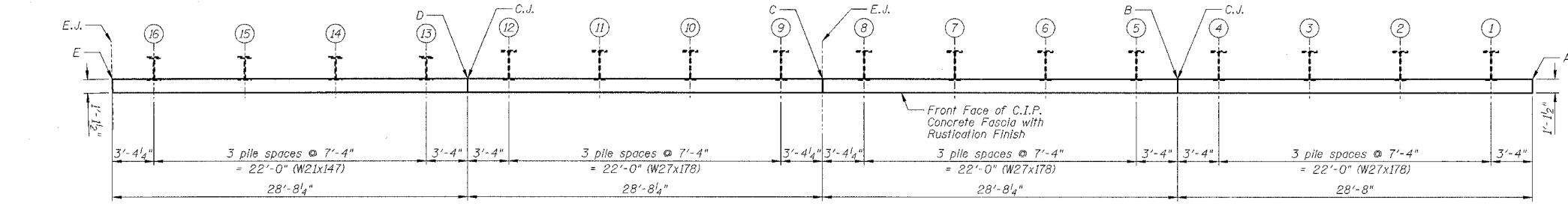
Bar No.	Size	Length	Shape
u60(E)	#5	22'-11"	
u61(E)	#5	20'-6"	
u62(E)	#5	20'-8"	
u63(E)	#5	30'-11"	
u64(E)	#5	28'-6"	
u65(E)	#5	22'-0"	
u66(E)	#5	11'-0"	
u67(E)	#5	23'-4"	
u60(E)	#4	6'-10"	
u61(E)	#4	9'-4"	
u60(E)	#4	14'-4"	
u61(E)	#4	15'-4"	
u62(E)	#4	15'-2"	
u63(E)	#4	15'-10"	
u64(E)	#4	16'-7"	
u65(E)	#4	17'-0"	
u66(E)	#4	17'-7"	
u67(E)	#4	19'-1"	
u68(E)	#4	19'-4"	

Item	Unit	Quantity
Concrete Structures	Cu. Yd.	194.3
Stud Shear Connectors	Each	908
Furnishing Soldier Piles (W Section)	Foot	1168
Reinforcement Bars, Epoxy Coated	Pound	21220



Notes: *Dimensions taken from Front Face of Wall.
**Lap u60(E) bars with u60(E), u61(E), u62(E), u63(E), u67(E) & u68(E) bars.
Lap u61(E) bars with u64(E), u65(E), & u66(E) bars. (The number of u60(E) & u61(E) bars shall equal the u6(E) bars for one face.)

ELEVATION (SHOWING REINFORCEMENT)
(Looking West)



PLAN

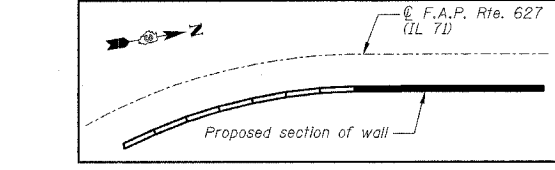
STEEL SOLDIER PILE INFORMATION CHART

Pile No.	Station	Offset to Ctr. of Pile	Pile Section	Top of Pile Elevation	Bottom of Pile Elevation	Finished Pile Length	Furnished Pile Length	No. of Stud Shear Connectors	Top of Class S1 Concrete Encasement Elevation
1	462+27.68	20.46' LT.	W27x178	570.25	534.50	35'-9"	36'-9"	28	551.00
2	462+35.02	20.46' LT.	W27x178	570.50	534.50	36'-0"	37'-0"	28	551.00
3	462+42.35	20.47' LT.	W27x178	571.00	534.50	36'-6"	37'-6"	28	551.00
4	462+49.68	20.47' LT.	W27x178	571.25	534.50	36'-9"	37'-9"	30	551.00
5	462+56.35	20.48' LT.	W27x178	571.25	534.50	36'-9"	37'-9"	30	551.00
6	462+63.68	20.48' LT.	W27x178	570.75	534.50	36'-3"	37'-3"	28	551.00
7	462+71.02	20.49' LT.	W27x178	570.25	535.50	34'-9"	35'-9"	28	551.00
8	462+78.35	20.49' LT.	W27x178	569.75	535.50	34'-3"	35'-3"	28	551.00
9	462+85.06	20.50' LT.	W27x178	569.50	535.50	34'-0"	35'-0"	26	550.00
10	462+92.39	20.50' LT.	W27x178	569.00	535.50	33'-6"	34'-6"	28	550.00
11	462+99.72	20.51' LT.	W27x178	568.75	535.50	33'-3"	34'-3"	28	550.00
12	463+07.06	20.51' LT.	W27x178	568.25	535.50	32'-9"	33'-9"	26	550.00
13	463+13.72	20.75' LT.	W21x147	568.00	535.50	32'-6"	33'-6"	26	550.00
14	463+21.06	20.76' LT.	W21x147	567.75	535.50	32'-3"	33'-3"	26	550.00
15	463+28.39	20.76' LT.	W21x147	567.25	535.50	31'-9"	32'-9"	26	550.00
16	463+35.87	20.76' LT.	W21x147	567.00	535.50	31'-6"	32'-6"	24	550.00

WALL INFORMATION CHART

Reference Points	Location at Wall	Station to Back Face of Wall	Offset to Back Face of Wall	Wall Height
A	Begin Wall	462+24.35	21.52' LT.	20'-3"
B	C.J.	462+53.02	21.54' LT.	21'-6"
C	E.J.	462+91.70	21.56' LT.	19'-9"
D	C.J.	463+10.39	21.58' LT.	19'-3"
E	E.J.	463+39.49	21.55' LT.	18'-0"

Note: See Plan for Reference Point locations.



LOCATION MAP

DESIGNED BY: J.M.L.
DRAWN BY: D.J.M.
CHECKED BY: M.S.W.

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FILE NO.: 24-6772
DATE: 05-12-06
SHEET NO.: 53 of 106

- NOTES:**
- 1.) Work this sheet with Sheets G1-G4.
 - 2.) E.F. denotes Each Face, E.J. denotes 1/2" Expansion Joint (unless otherwise noted), C.J. denotes Construction Joint.
 - 3.) For "Rustication Finish" details see Sheet G6.
 - 4.) Reinforcement bars designated (E) shall be epoxy coated.
 - 5.) Minimum lap length: #4 bar = 1'-8"
#5 bar = 2'-5"
 - 6.) See Sheet G2 for Construction Joint Detail and Expansion Joint Detail.
 - 7.) The u60(E) & u61(E) bars shall maintain a 2" clearance from the top of the wall, therefore adjust u60(E) & u61(E) bars accordingly (maintain 1'-8" min. lap with u6(E) bars).

WALL REINFORCEMENT AND SOLDIER PILE INFORMATION

IL ROUTE 71

SOLDIER PILE RETAINING WALL

F.A.P. ROUTE 627 - SEC. (I-1) BR & I

LA SALLE COUNTY

STATION 462+24.35 TO STATION 464+94.66

PROPOSED STRUCTURE NO. 050-W004