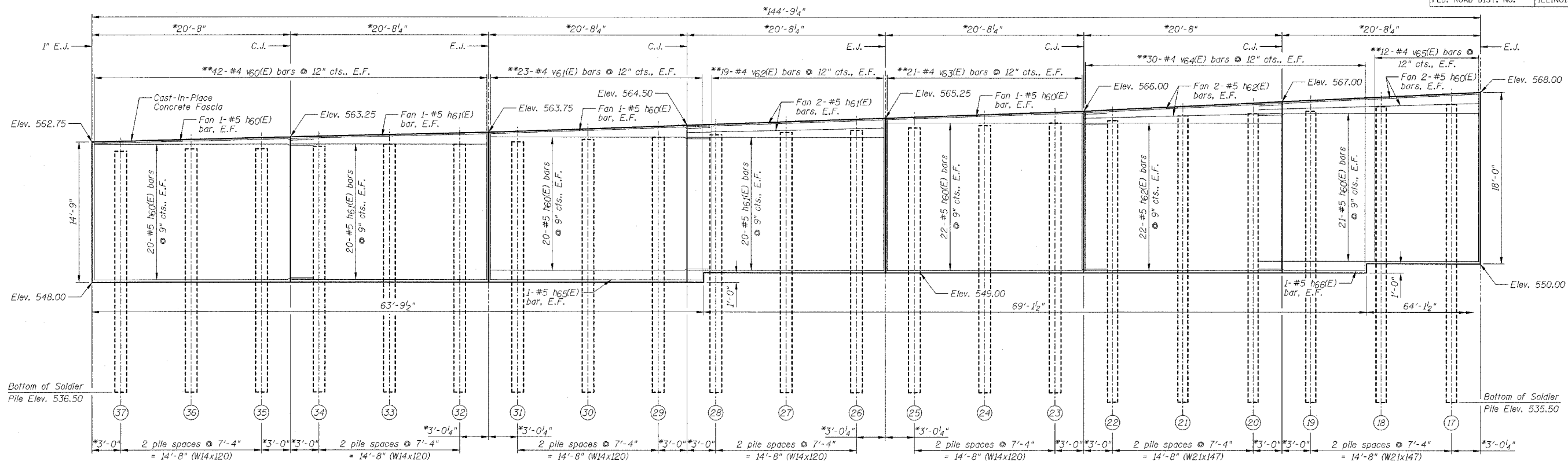


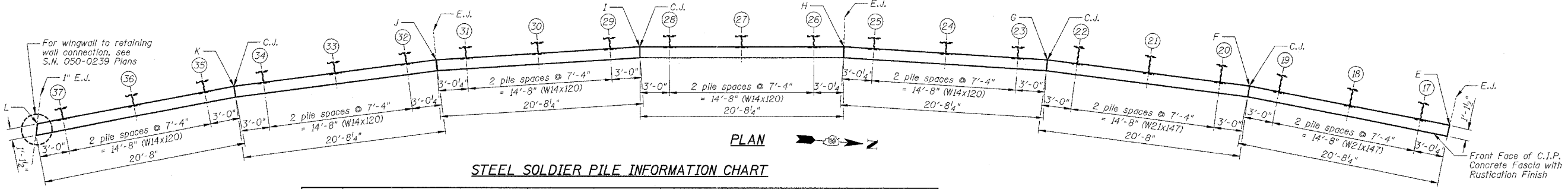
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
627	(I-1) BR & I	LA SALLE	106	52
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SHEET NO. G4
OF 12 SHEETS



ELEVATION (SHOWING REINFORCEMENT)
(Looking West)

Notes: *Dimensions taken from Front Face of Wall.
**Lap u50(E) bars with v60(E), v61(E), v62(E), v63(E), v67(E) & v68(E) bars.
Lap u61(E), v64(E), v65(E), & v66(E) bars. (The number of v60(E) & u61(E) bars shall equal the v(E) bars for one face.)



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
17	463+42.77	20.81' LT.	W21X147	566.75	535.50	31'-3"	32'-3"	24	550.00
18	463+50.58	20.89' LT.	W21X147	566.50	535.50	31'-0"	32'-0"	24	549.00
19	463+58.40	20.81' LT.	W21X147	566.00	535.50	30'-6"	31'-6"	24	549.00
20	463+64.92	20.81' LT.	W21X147	565.75	535.50	30'-3"	31'-3"	24	549.00
21	463+72.74	20.90' LT.	W21X147	565.50	535.50	30'-0"	31'-0"	24	549.00
22	463+80.55	20.81' LT.	W21X147	565.00	535.50	29'-6"	30'-6"	24	549.00
23	463+87.07	21.11' LT.	W14X120	564.75	536.50	28'-3"	29'-3"	24	549.00
24	463+94.89	21.19' LT.	W14X120	564.50	536.50	28'-0"	29'-0"	22	549.00
25	464+02.71	21.10' LT.	W14X120	564.25	536.50	27'-9"	28'-9"	22	549.00
26	464+09.27	21.10' LT.	W14X120	564.00	536.50	27'-6"	28'-6"	22	549.00
27	464+17.09	21.19' LT.	W14X120	563.75	536.50	27'-3"	28'-3"	22	549.00
28	464+24.91	21.10' LT.	W14X120	563.50	536.50	27'-0"	28'-0"	22	548.00
29	464+31.42	21.10' LT.	W14X120	563.25	536.50	26'-9"	27'-9"	22	548.00
30	464+39.24	21.19' LT.	W14X120	563.00	536.50	26'-6"	27'-6"	22	548.00
31	464+47.06	21.10' LT.	W14X120	562.75	536.50	26'-3"	27'-3"	22	548.00
32	464+53.62	21.10' LT.	W14X120	562.50	536.50	26'-0"	27'-0"	22	548.00
33	464+61.44	21.18' LT.	W14X120	562.50	536.50	26'-0"	27'-0"	22	548.00
34	464+69.26	21.09' LT.	W14X120	562.25	536.50	25'-9"	26'-9"	22	548.00
35	464+75.76	21.06' LT.	W14X120	562.00	536.50	25'-6"	26'-6"	20	548.00
36	464+83.58	21.09' LT.	W14X120	562.00	536.50	25'-6"	26'-6"	20	548.00
37	464+91.39	20.95' LT.	W14X120	561.75	536.50	25'-3"	26'-3"	20	548.00

NOTES:

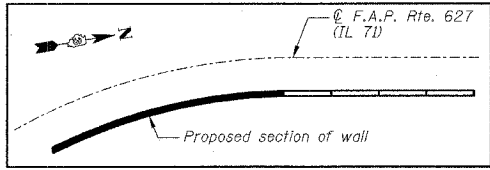
- 1.) Work this sheet with Sheets G1-G3 and G5.
- 2.) E.F. denotes Each Face, E.J. denotes Expansion Joint (unless otherwise noted). C.J. denotes Construction Joint.
- 3.) For "Rustication Finish" details see Sheet G6.
- 4.) Reinforcement bars designated (E) shall be epoxy coated.
- 5.) Minimum lap lengths: #4 bar = 1'-8"
#5 bar = 2'-5"
- 6.) See Sheet G2 for Construction Joint Detail and Expansion Joint Detail.
- 7.) The u50(E) & u61(E) bars shall maintain a 2" clearance from the top of the wall, therefore adjust u50(E) & u61(E) bars accordingly (maintain 1'-8" min. lap with v(E) bars).
- 8.) See Sheet G5 for Bill of Materials.

WALL INFORMATION CHART

Reference Points	Location at Wall	Station to Back Face of Wall	Offset to Back Face of Wall	Wall Height
E	E.J.	463+39.49	21.55' LT.	18'-0"
F	C.J.	463+61.66	21.55' LT.	18'-0"
G	C.J.	463+83.81	21.55' LT.	17'-0"
H	E.J.	464+05.99	21.54' LT.	16'-3"
I	C.J.	464+28.16	21.54' LT.	16'-6"
J	E.J.	464+50.34	21.54' LT.	15'-9"
K	C.J.	464+72.51	21.53' LT.	15'-3"
L	End Wall/E.J.	464+94.23	21.38' LT.	14'-9"

Note: See Plan for Reference Point locations.

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



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.: 52 OF 106