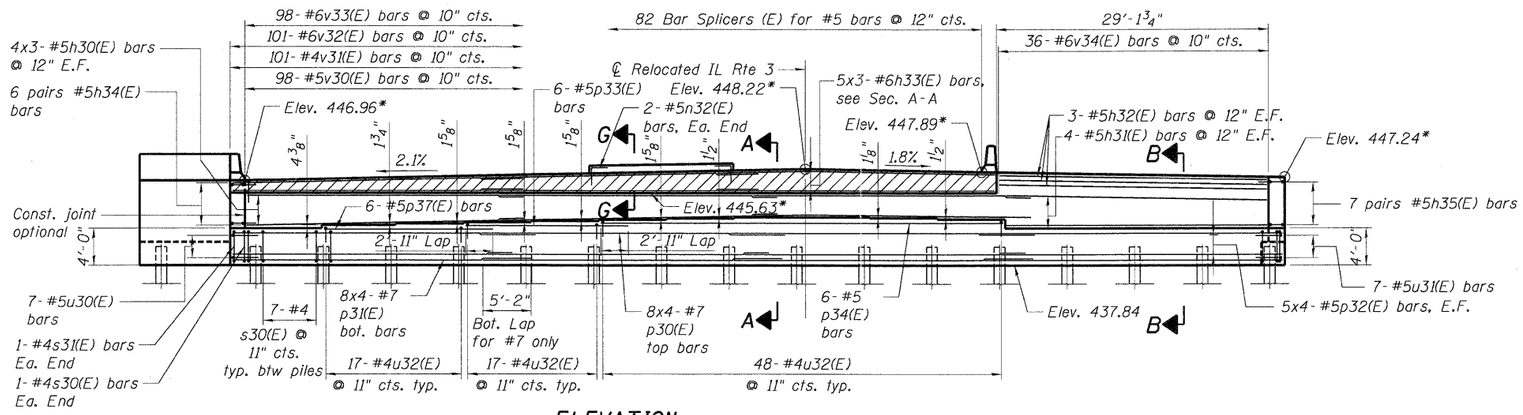


ELEVATION

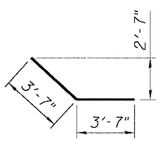
(Looking North)

*Elevations @ Back of Abutment

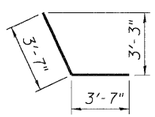
MIN. LAP LENGTH

(Unless noted otherwise)

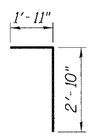
Bar Size	Lap
#5	2'-7"
#6	4'-5"
#7	5'-10"



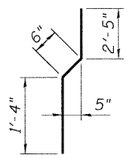
BAR h34(E)



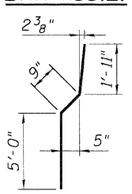
BAR h35(E)



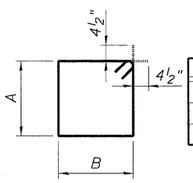
BAR v30(E)



BAR v31(E)



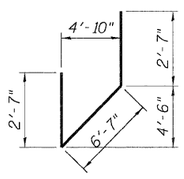
BAR v35(E)



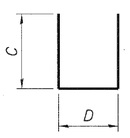
Bar	A	B
s30(E)	3'-8"	4'-11"
s31(E)	3'-8"	5'-5"
s32(E)	2'-2"	2'-2"

**Abutment Soil Reinforcement

BARS s30(E), s31(E), & s32(E)

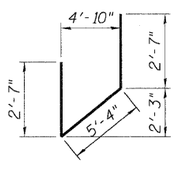


BAR u30(E)

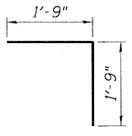


Bar	C	D
n30(E)	6'-6"	1'-4"
n31(E)	8'-4"	1'-4"
u32(E)	2'-7"	4'-8"
u33(E)	2'-7"	1'-4"
v34(E)	7'-8"	1'-9"

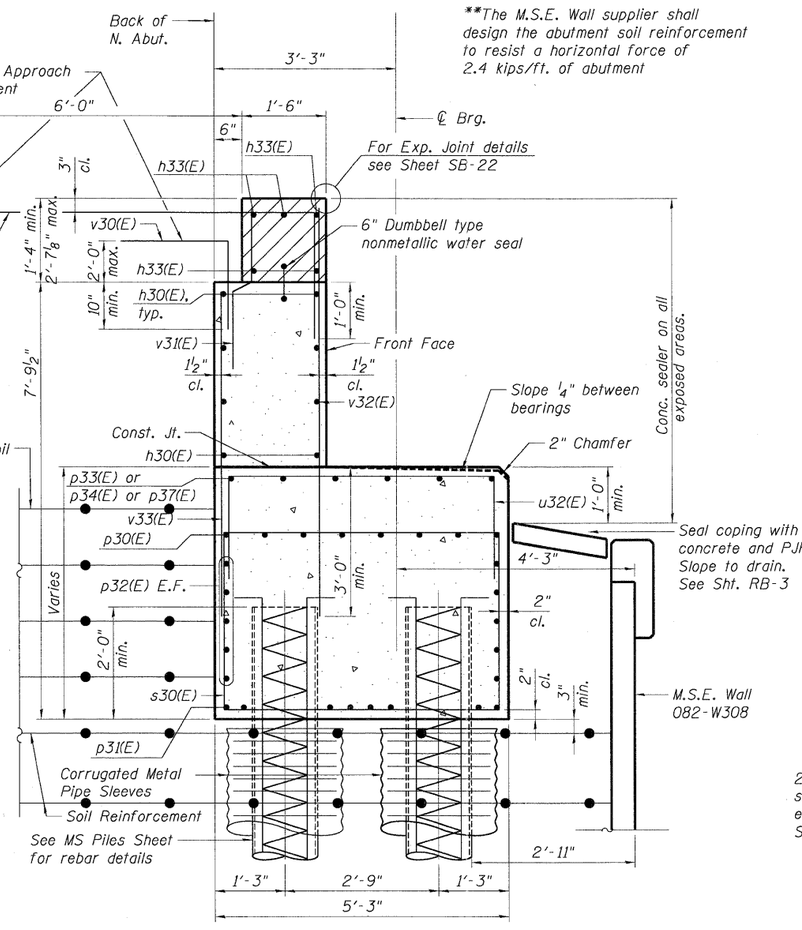
BARS n30(E), n31(E) u32(E), u33(E), & v34(E)



BAR u31(E)



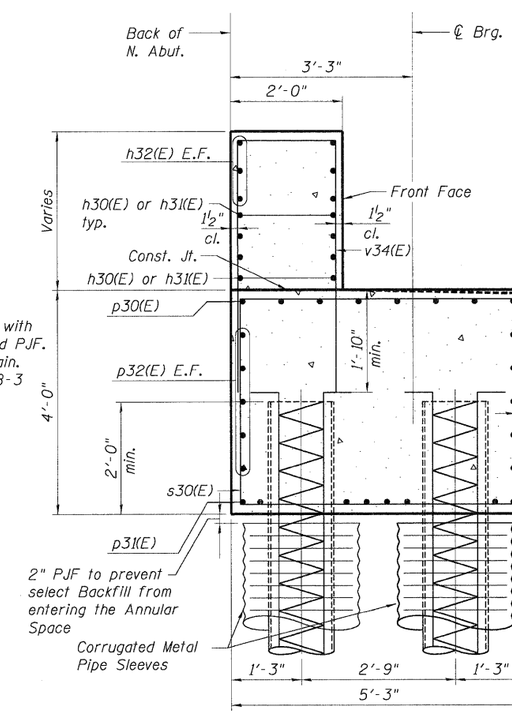
BAR n32(E)



**The M.S.E. Wall supplier shall design the abutment soil reinforcement to resist a horizontal force of 2.4 kips/ft. of abutment

Conc. sealer on all exposed areas.

SECTION A-A



SECTION B-B

NORTH ABUTMENT BAR LIST

Bar	No.	Size	Length	Shape
h30(E)	24	#5	30'-3"	
h31(E)	8	#5	27'-11"	
h32(E)	6	#5	29'-0"	
h33(E)	15	#6	30'-8"	
h34(E)	12	#5	7'-2"	
h35(E)	14	#5	7'-2"	
h36(E)	12	#5	14'-2"	
h37(E)	12	#5	12'-7"	
h38(E)	9	#5	11'-11"	
h39(E)	9	#5	12'-8"	
n30(E)	20	#6	14'-4"	
n31(E)	18	#6	18'-0"	
n32(E)	4	#5	3'-6"	
p30(E)	32	#7	32'-9"	
p31(E)	32	#7	32'-3"	
p32(E)	40	#5	30'-3"	
p33(E)	6	#5	17'-5"	
p34(E)	6	#5	43'-3"	
p35(E)	12	#6	14'-8"	
p36(E)	12	#6	13'-0"	
p37(E)	6	#5	18'-2"	
s30(E)	107	#4	17'-11"	
s31(E)	2	#4	18'-11"	
s32(E)	28	#4	9'-5"	
u30(E)	7	#5	11'-9"	
u31(E)	7	#5	10'-6"	
u32(E)	82	#4	9'-10"	
u33(E)	18	#5	6'-6"	
v30(E)	98	#5	4'-9"	
v31(E)	101	#4	4'-3"	
v32(E)	101	#6	8'-0"	
v33(E)	98	#6	6'-6"	
v34(E)	36	#6	17'-1"	
v35(E)	20	#6	7'-8"	
v36(E)	20	#5	7'-5"	

For details of Bar Splicers, see SB-42
For details of piles, see sheet SB-45.

NORTH ABUTMENT BILL OF MATERIALS

Item	Unit	Total
Concrete Structures	Cu. Yd.	158.6
Reinforcement Bars, Epoxy Coated	Pound	16,620
Furnishing Metal Shell Piles 14"x0.250"	Foot	1,377
Driving Piles	Foot	1,377
Test Pile Metal Shells	Each	1
Concrete Sealer	Sq. Ft.	1076

NOTES:

1. Bars indicated thus 5x3- #5 etc. indicates 5 lines of bars with 3 lengths per line.
2. E.F. indicates each face.
3. Drive piles, install CMP pile sleeves, fill annular space around piles with sand, construct MSE Wall. Cost of CMP pile sleeves, sand, and PJF are included with Furnishing Metal Shell Piles.

\\082823-29-CONN-10-002-AB.DGN, \\082823-29-CONN-10-002-AB.DGN, \\082823-29-CONN-99-001-BD.DGN, \\082823-29-CONN-10-002-AB.DGN
5-11-2011, 1:57:28 NEWMANMD \\VS-00444\MKWALL_1\-TRNS_87\2262\2262B8 BRIDGE\STRUCTURE\CADD\01 DESIGN\082823-29\SHEET\082823-29-CONN-10-006-SHT-AB.DGN

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED - MDJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION IL 3 OVER TRRA & ST. CLAIR AVENUE
		DRAWN - MDJ	REVISED -	
TENG TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS	PLOT SCALE = $SCALE$	CHECKED - JLR	REVISED -	
	PLOT DATE = $DATE$	DATE - 05/13/11	REVISED -	

NORTH ABUTMENT ELEVATION & SECTIONS

SCALE: | SHEET NO. SB-39 OF SB-63 | STA. 1679+16.65 TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
998	82-2-1HVB-1	ST. CLAIR	345	231
	SN 082-0329	CONTRACT NO. 76D05		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		