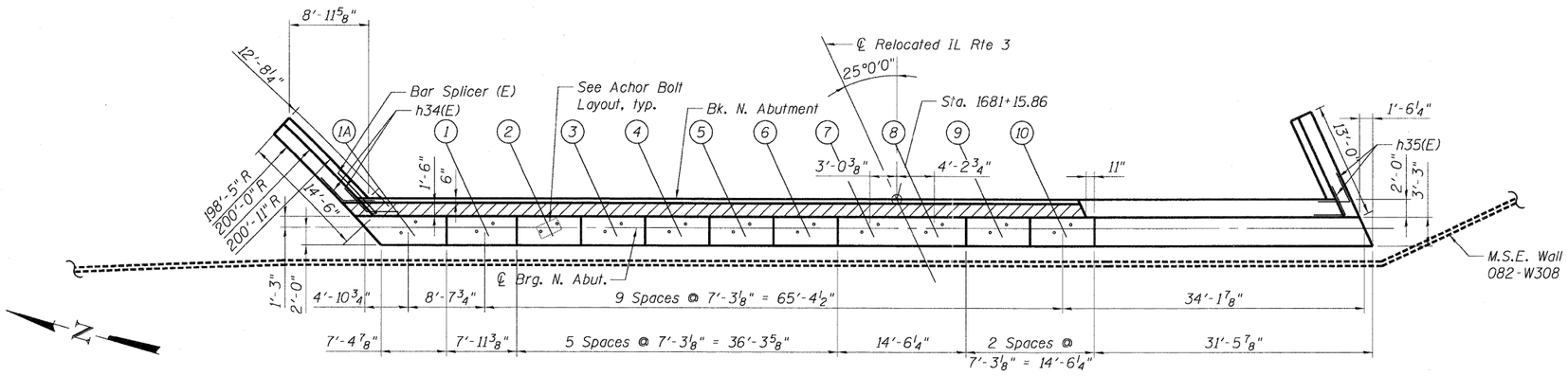
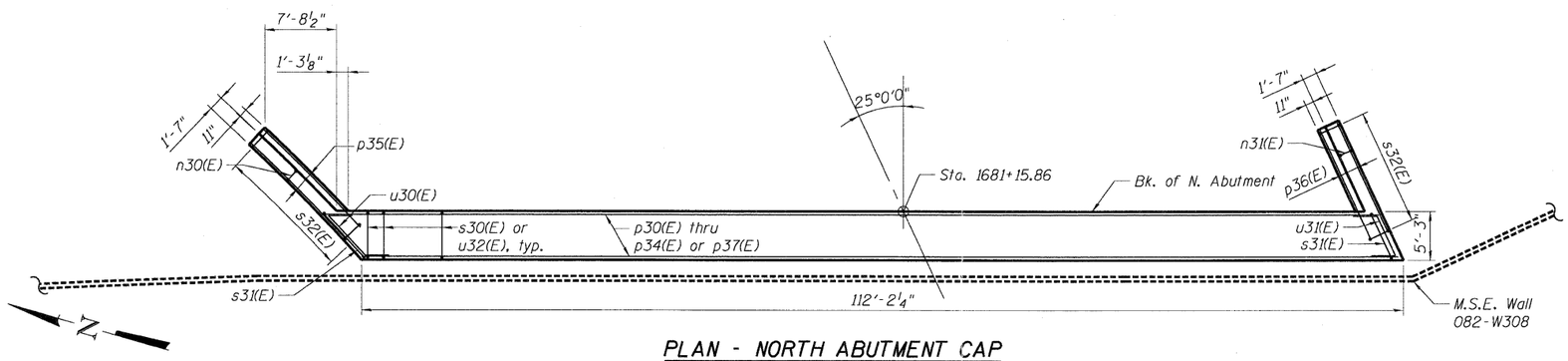
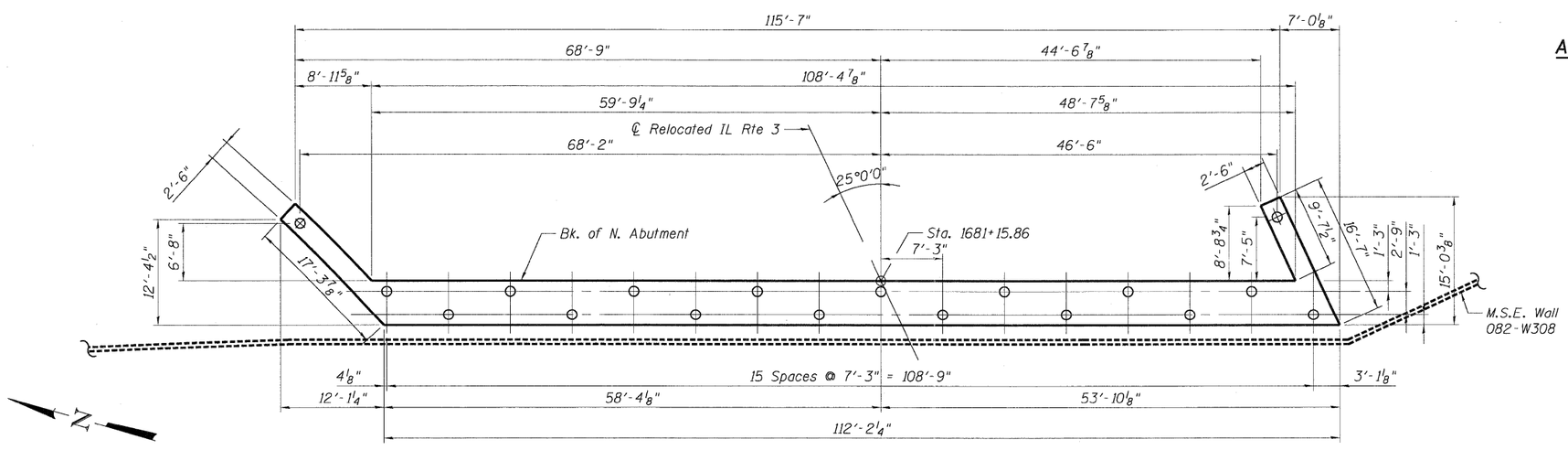


TOP VIEW



PLAN - NORTH ABUTMENT CAP

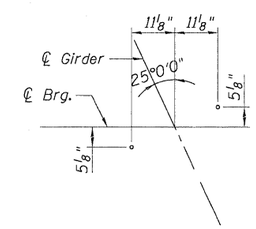


PILE LAYOUT - NORTH ABUTMENT

BEARING SEAT ELEVATIONS

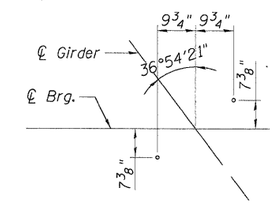
	Girder	Elevations
	1A	441.84
	1	442.20
	2	442.35
	3	442.49
	4	442.63
	5	442.77
	6	442.91
	7	443.04
*	8	443.04
	9	442.95
	10	442.82

*Bearing at Girder 8 shall be installed with 1/2" shim. Adjust 1/2" shim if bearing seat is constructed higher or lower than shown above.



ANCHOR BOLT LAYOUT

(Girder 1-10)



ANCHOR BOLT LAYOUT

(Girder 1A)

PILE DATA

Type: MS14X0.25 Metal Shell Piles
Nominal Required Bearing: 413 kips/pile
Factored Resistance Available: 227 kips/pile
Est. Length: 81 ft
No. Production Piles: 17
No. Test Piles: 1

NOTES:

1. Hatched area of abutment backwall to be poured after superstructure forms have been removed. Quantity of concrete included with Concrete Superstructure.
2. Longitudinal h34(E), h36(E), and p35(E) bars shall be sprung into place to be concentric at the spacing noted.
3. For details of piles, see Sht. SB-45.
4. Space reinforcement in cap to miss anchor bolts.
5. Pour steps monolithically with cap.

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - MDJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION IL 3 OVER TRRA & ST. CLAIR AVENUE	NORTH ABUTMENT PLAN & PILE LAYOUT	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - MDJ	REVISED -			998	82-2-1HVB-1	ST. CLAIR	345	230
TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS	PLOT SCALE = $SCALE$	CHECKED - JLR	REVISED -			SN 082-0329		CONTRACT NO. 76D05		
	PLOT DATE = $DATE$	DATE - 05/13/11	REVISED -		SCALE:	SHEET NO. SB-38 OF SB-63	STA. 1679+16.65 TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT

..\0820329-CONN-10 002-ABJDGN, ..\0820318-CONN-99 001 BCJDGN
5-11-2011, 9:57:25 NEWMANMD \\FS-0044\AMVAULT\D-TRANS.07\2202\20868-001\STRUCT\CAD\01 DESIGN\0820329\SHEET\0820329-CONN-10 005-SHT-AB.DGN