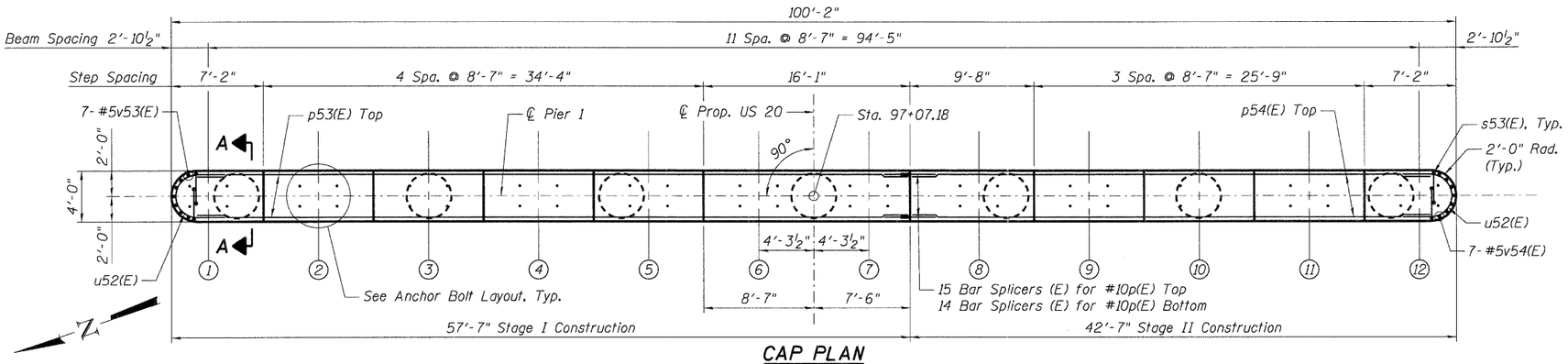
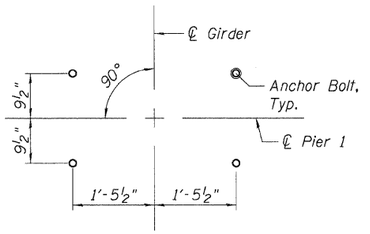


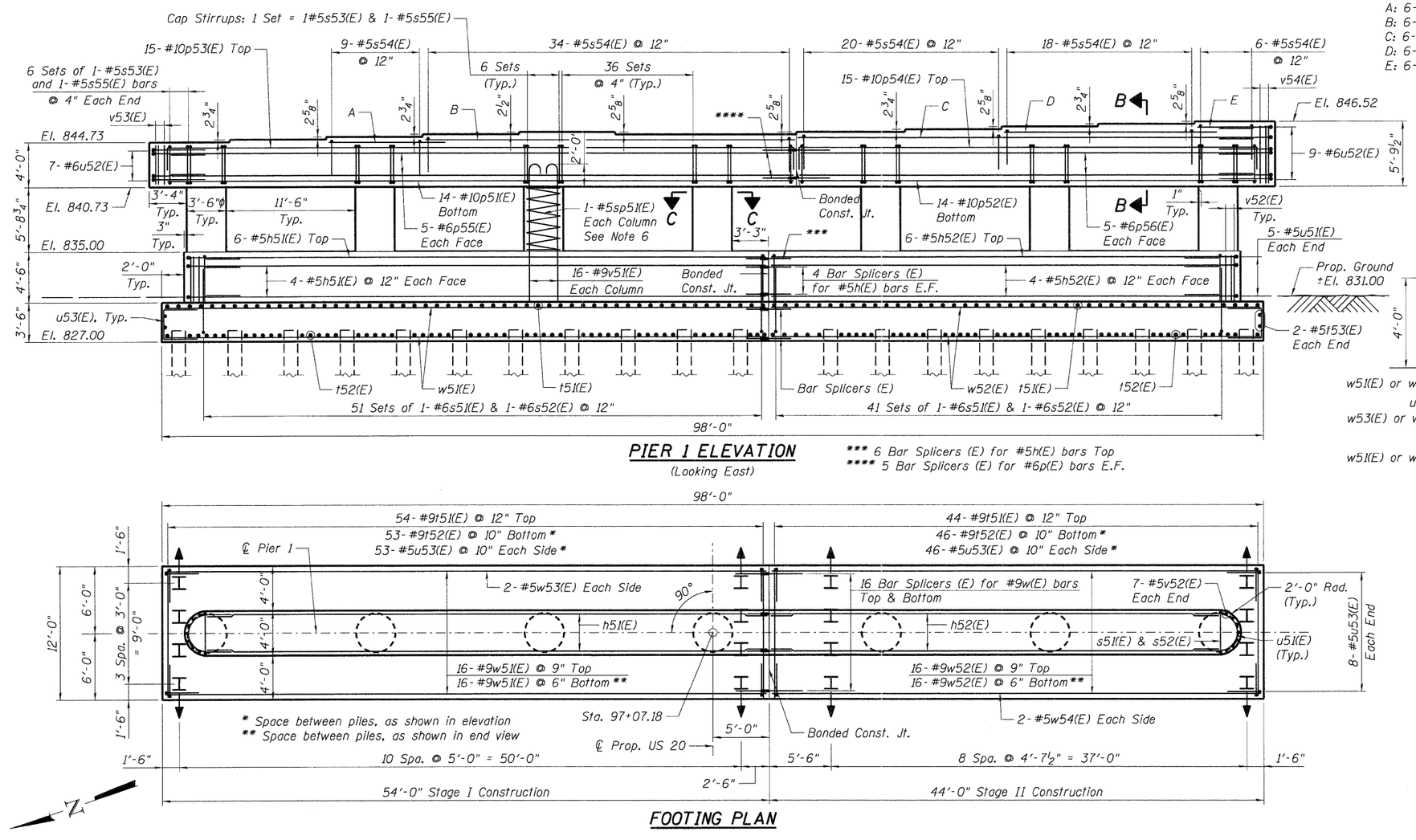
CAP PLAN

BEARING SEAT ELEVATIONS

Girder	Elev.
1	844.73
2	844.96
3	845.18
4	845.40
5	845.62
6	845.40
7	845.40
8	845.62
9	845.85
10	846.07
11	846.30
12	846.52



ANCHOR BOLT LAYOUT

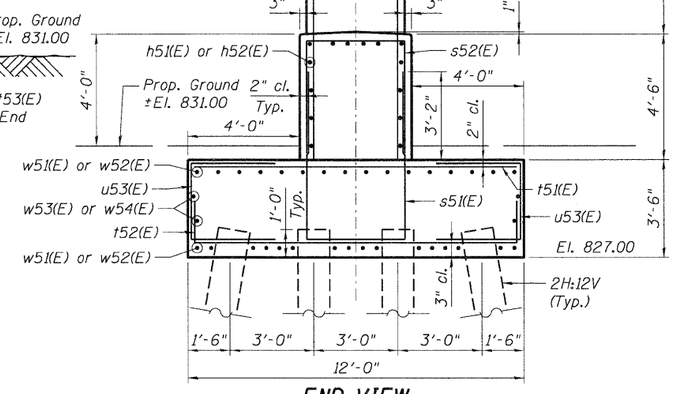


PIER 1 ELEVATION

(Looking East)

A: 6- #5h53(E) Top
B: 6- #5h54(E) Top
C: 6- #5h55(E) Top
D: 6- #5h56(E) Top
E: 6- #5h57(E) Top

*** 6 Bar Splicers (E) for #5h(E) bars Top
**** 5 Bar Splicers (E) for #6p(E) bars E.F.



END VIEW

FOOTING PLAN

PILE DATA

Type: Steel - HP14x73 with pile shoes
Nominal Required Bearing: 400 kips
Factored Resistance Available: 220 kips
Est. Length: 41'
No. Production Piles: 79
No. Test Piles: 1

Notes:

1. Work this sheet with Sht. S-50.
2. Cast steps monolithically with cap.
3. Space top reinforcement in cap to miss anchor bolts.
4. For Anchor Bolt and Bearing details, see Sht. S-42.
5. For Steel H-Pile details, see Sht. S-55.
6. Provide 1½ extra turns top and bottom. Extend spiral 2" into pier cap and crashwall. Provide 4- #4 spacers or equivalent.
7. E.F. = Each Face

\\0450077-60H45-001-PIERJOB\...\0450077-60H45-001-PIERJOB\...\0450077-60H45-001-PIERJOB\...\ALLSNUM-60H45-001-BORDER.DGN
12-12-2011, 10:46:38 BVZEKAJ \\FS-60H44\MAINVAULT\DRAWING\87\2282\123179-001\STRUCTCAD\60H45\0450077\SHEET\0450077-60H45-002A-PIER.SHT.DGN

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED - MDB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION US 20 OVER MCLEAN BOULEVARD
TENG TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS		DRAWN - MDB	REVISED -	PIER 1 PLAN AND ELEVATION
	PLOT SCALE = $SCALE$	CHECKED - PK	REVISED -	SCALE: SHEET NO. S-49 OF S-62 STATION 98+32.18
	PLOT DATE = $DATE$	DATE - 12/16/11	REVISED -	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	8R-R	KANE	794	521
	SN 045-0077	CONTRACT NO. 60H45		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		