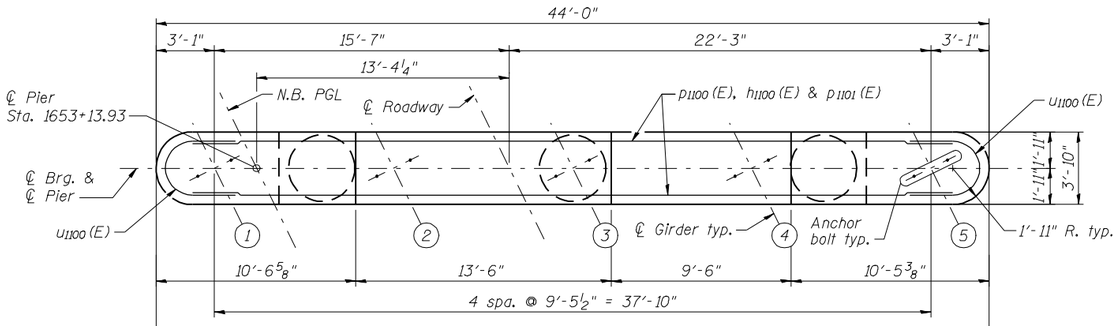
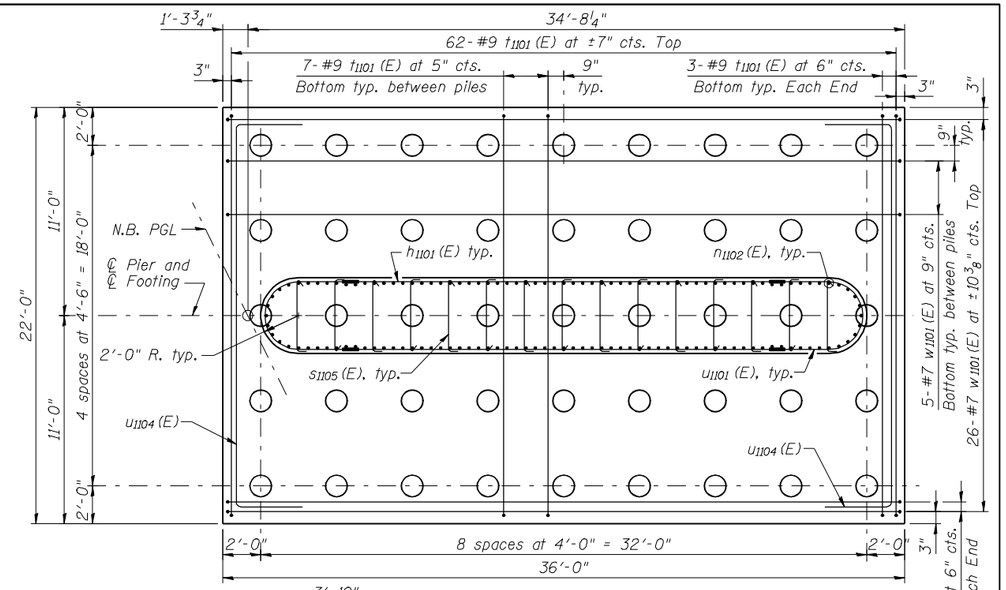
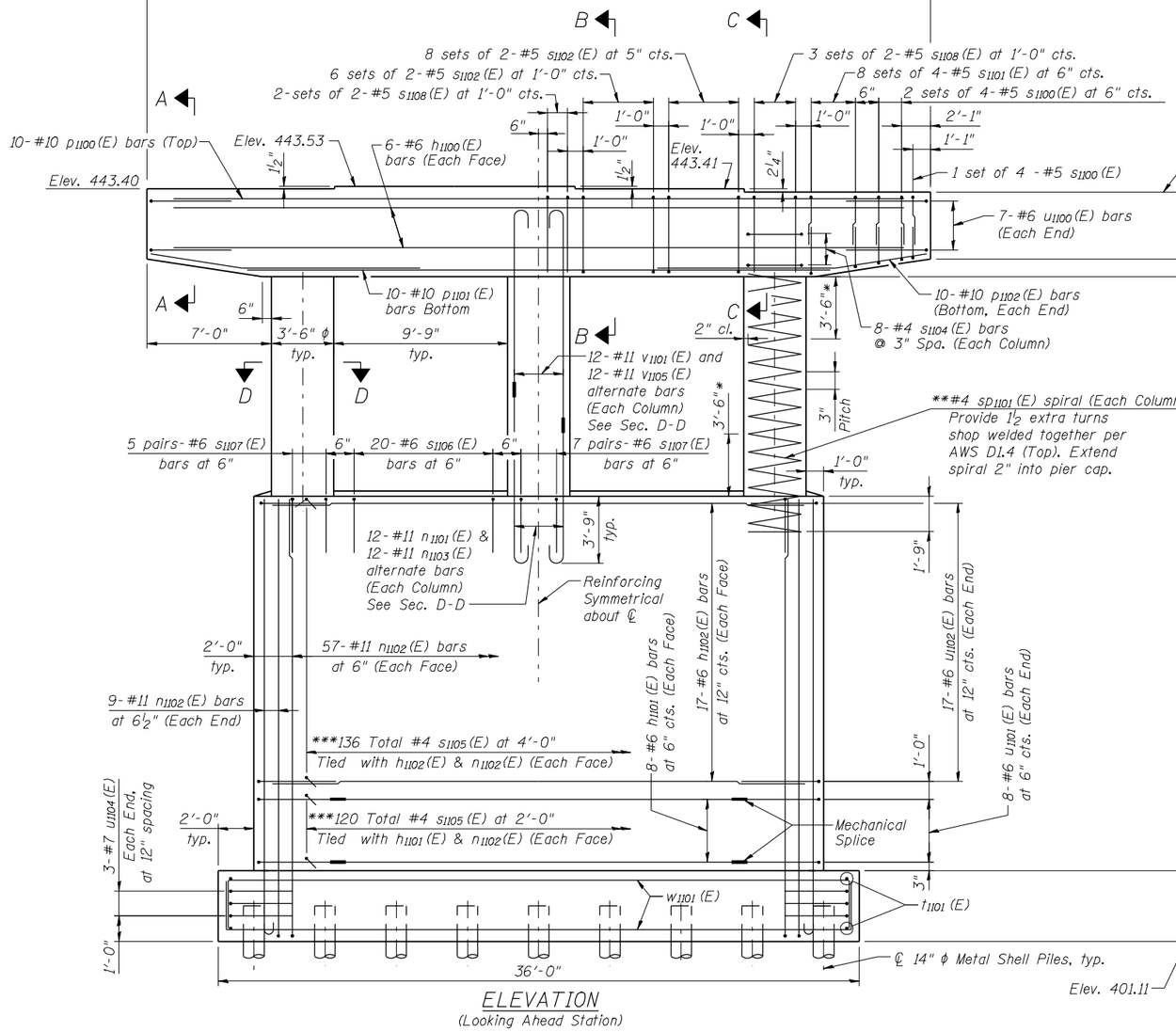
16:33 17-OCT-2012 P:\CIX31000\T00cadd\T09str\FINAL PLANS\0820334-76848-045-Pier 2(NB).dgn



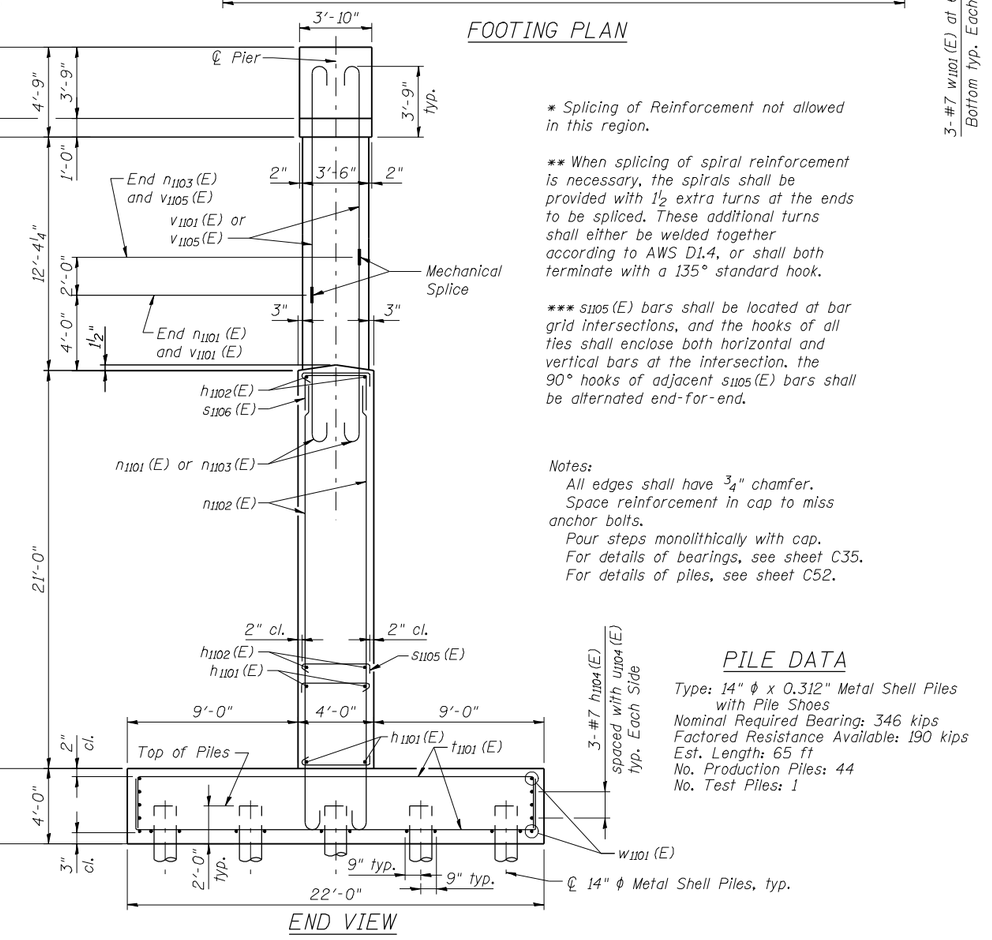
TOP PLAN



FOOTING PLAN



ELEVATION
(Looking Ahead Station)



END VIEW

* Splicing of Reinforcement not allowed in this region.

** When splicing of spiral reinforcement is necessary, the spirals shall be provided with 1½ extra turns at the ends to be spliced. These additional turns shall either be welded together according to AWS D1.4, or shall both terminate with a 135° standard hook.

*** s1105 (E) bars shall be located at bar grid intersections, and the hooks of all ties shall enclose both horizontal and vertical bars at the intersection. the 90° hooks of adjacent s1105 (E) bars shall be alternated end-for-end.

Notes:
All edges shall have ¾" chamfer.
Space reinforcement in cap to miss anchor bolts.
Pour steps monolithically with cap.
For details of bearings, see sheet C35.
For details of piles, see sheet C52.

PILE DATA

Type: 14" ϕ x 0.312" Metal Shell Piles with Pile Shoes
Nominal Required Bearing: 346 kips
Factored Resistance Available: 190 kips
Est. Length: 65 ft
No. Production Piles: 44
No. Test Piles: 1

JACOBS

USER NAME =	DESIGNED - N. KHATRI	REVISED -	
	CHECKED - R. RILEY	REVISED -	
PLOT DATE = 17-OCT-2012	DRAWN - M. MEYER	REVISED -	
FILE NAME = 0820334-76848-045-Pier 2(NB).dgn	CHECKED - N. KHATRI	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER NO. 2 PLAN AND ELEVATION – N.B.
STRUCTURE NO. 082-0334 (N.B.) & 082-0335 (S.B.)
SHEET NO. C45 OF 76 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
788	520-1-2HVB	ST. CLAIR	237	102
		CONTRACT NO. 76848		
	ILLINOIS FED. AID PROJECT			