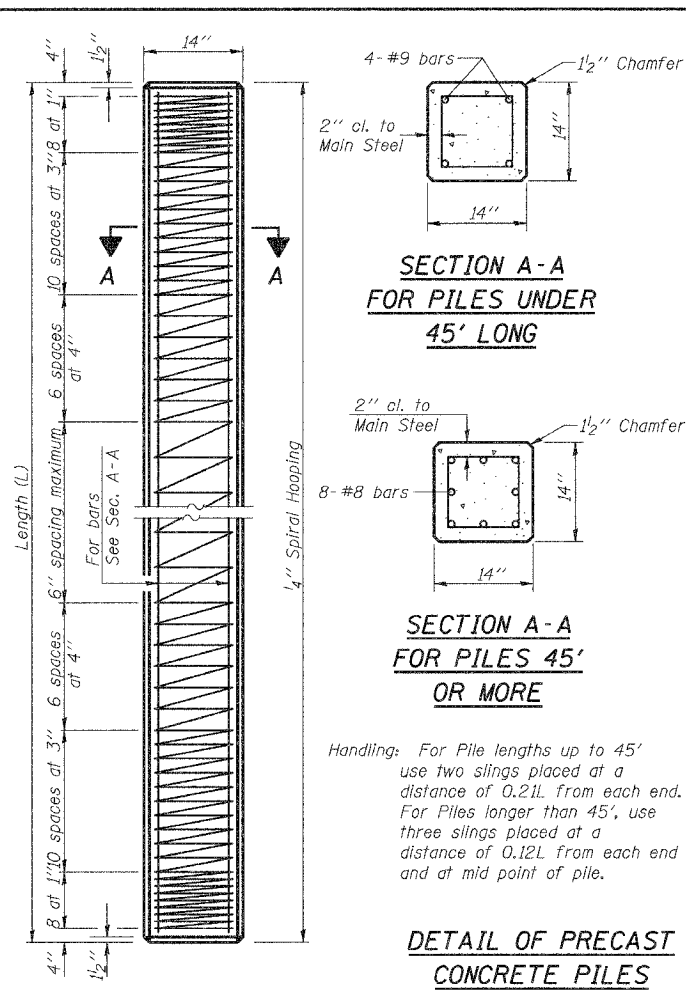


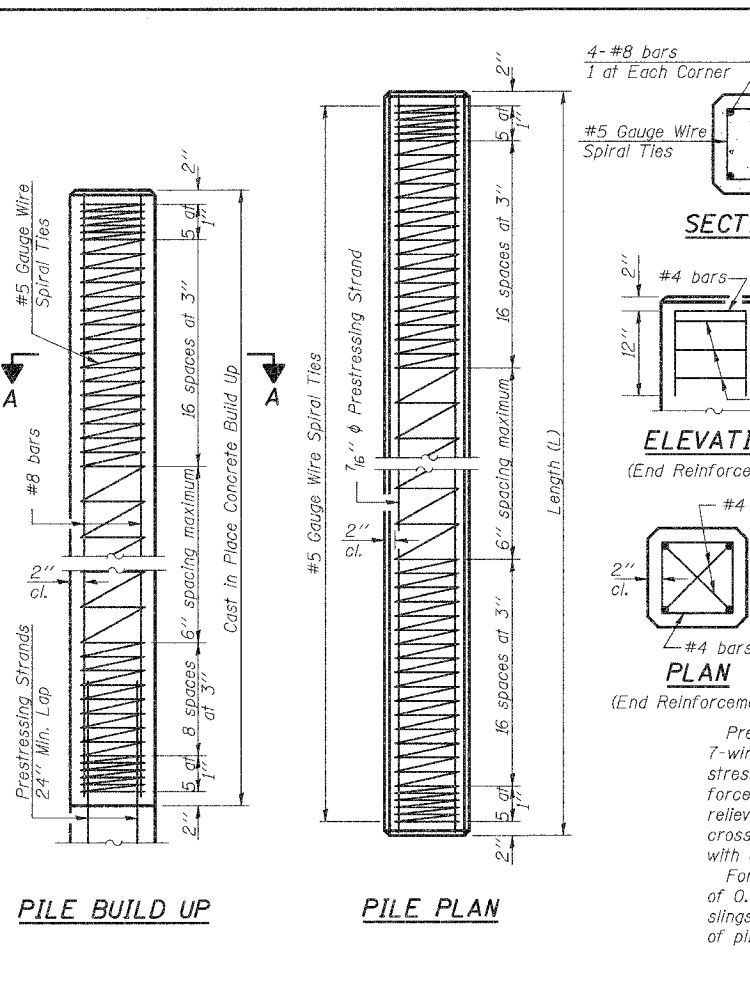
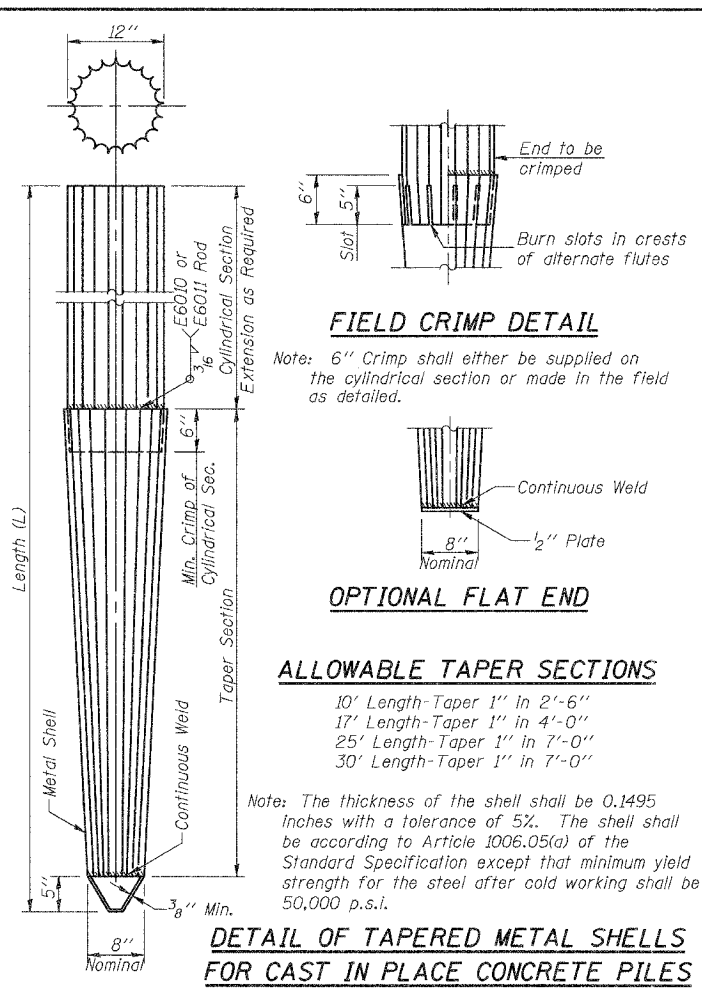
PROJECT NO.	SECTION	COUNTY	SHEET	DATE
E. 3150		BUREAU	15	12
PROJECT NAME		SHEET NO.		
E. 3150		15		

Sheet 9 of 9 Sheets

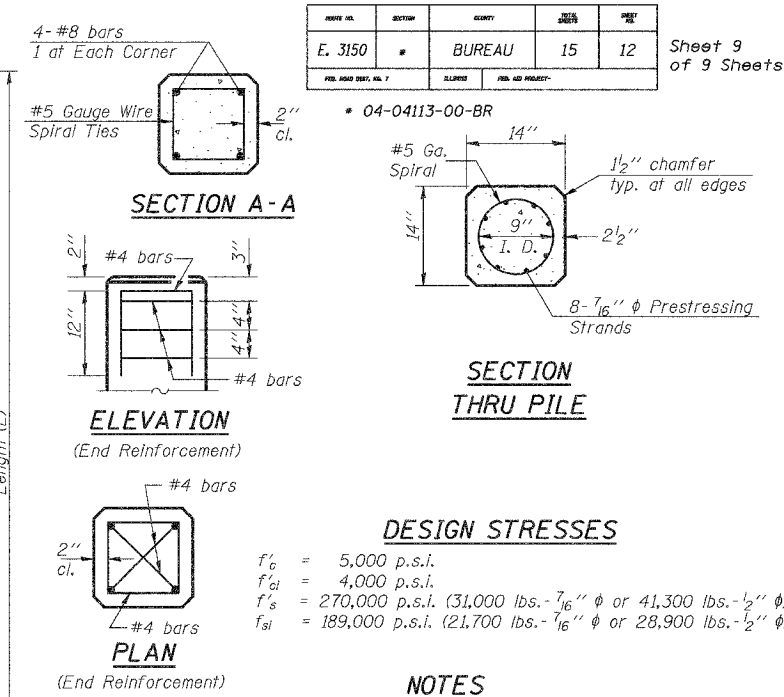
04-04113-00-BR



DETAIL OF PRECAST CONCRETE PILES



PRECAST PRESTRESSED CONCRETE PILE



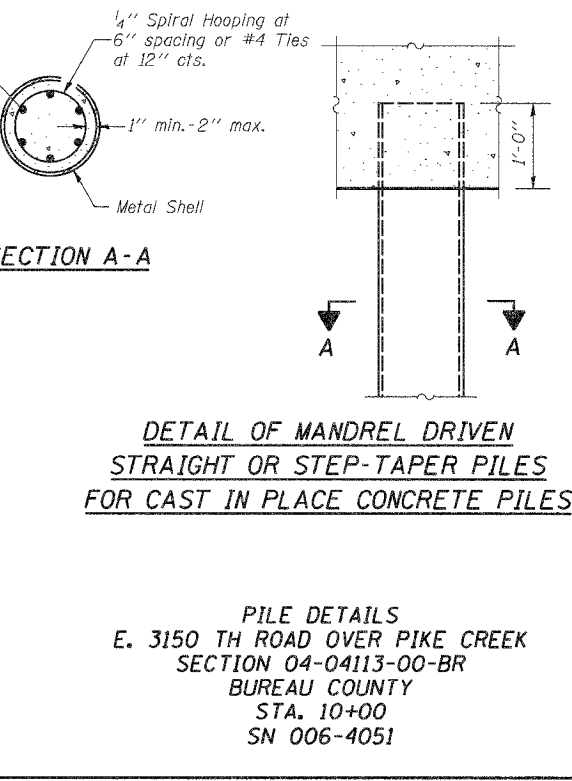
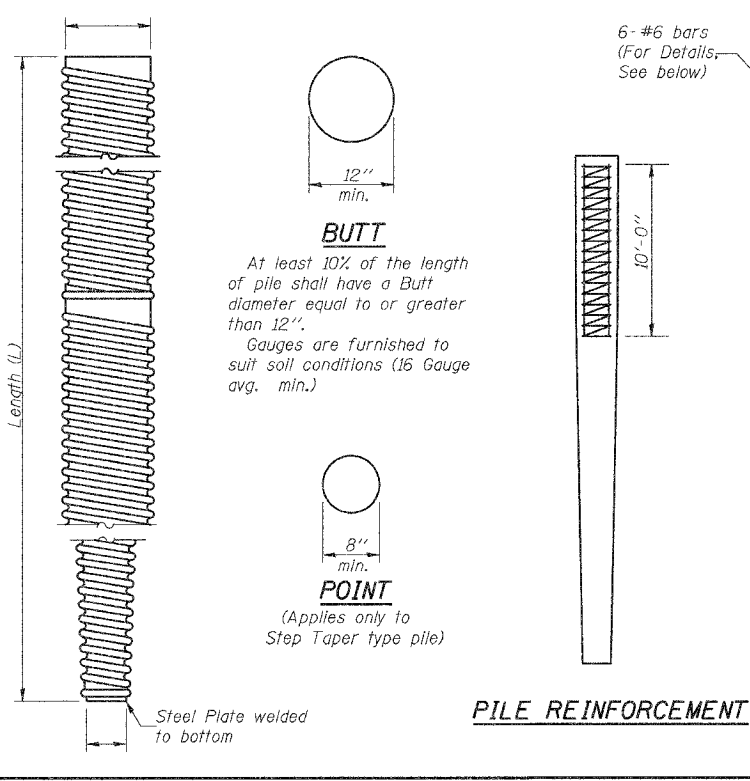
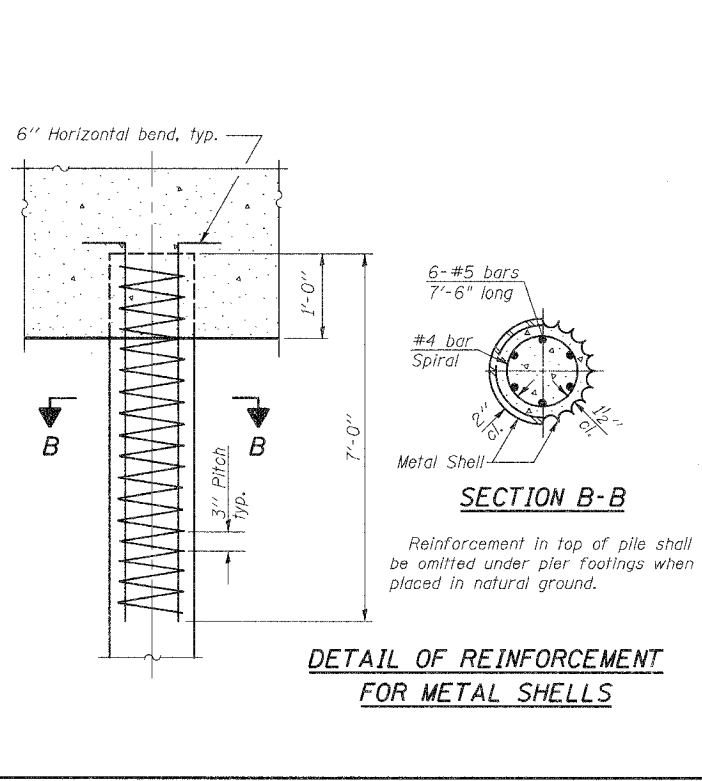
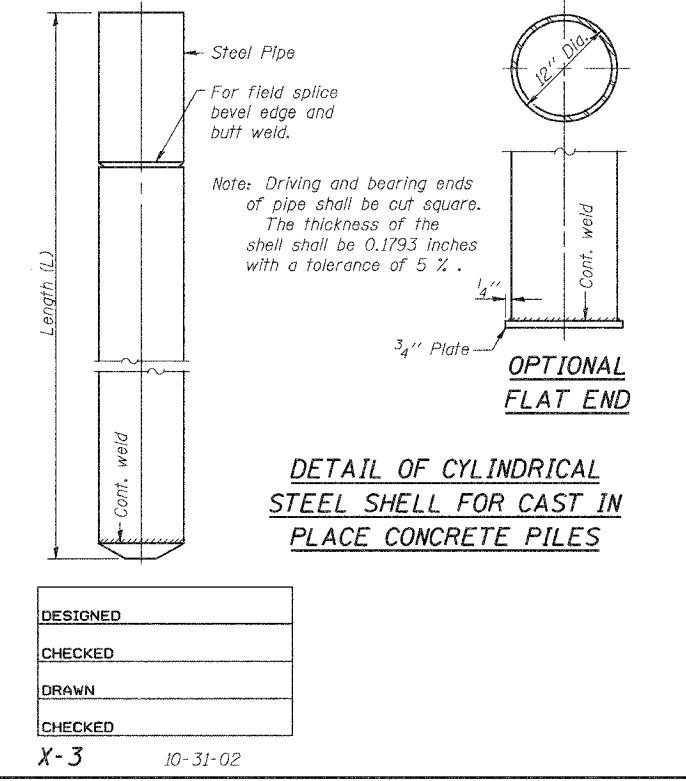
DESIGN STRESSES

$f'_c = 5,000$ p.s.i.
 $f'_{cl} = 4,000$ p.s.i.
 $f'_s = 270,000$ p.s.i. (31,000 lbs.- $\frac{7}{16}$ " ϕ or 41,300 lbs.- $\frac{1}{2}$ " ϕ)
 $f_{sl} = 189,000$ p.s.i. (21,700 lbs.- $\frac{7}{16}$ " ϕ or 28,900 lbs.- $\frac{1}{2}$ " ϕ)

NOTES

Prestressing steel shall be uncoated high strength, stress-relieved 7-wire strand. An equal substitution of low-relaxation strands for the stress-relieved strands will be permitted, provided the initial prestressing force applied to each strand is the same as that shown for stress-relieved strands. The nominal diameter shall be $\frac{7}{16}$ " and the nominal cross-sectional area shall be 0.115 in² or the equivalent 6- $\frac{1}{2}$ " ϕ strands with a cross-sectional area of 0.153 in² may be used.

For Pile lengths up to 65', use two slings placed at a distance of 0.21 L* from each end. For Piles longer than 65', use three slings placed at a distance of 0.12 L* from each end and at midpoint of pile. *L= Overall length of pile to be handled.



PILE DETAILS
 E. 3150 TH ROAD OVER PIKE CREEK
 SECTION 04-04113-00-BR
 BUREAU COUNTY
 STA. 10+00
 SN 006-4051

DESIGNED	
CHECKED	
DRAWN	
CHECKED	

X-3 10-31-02