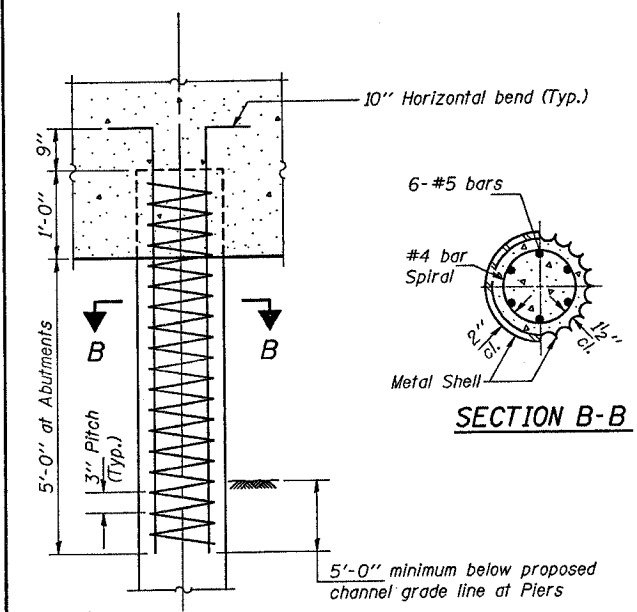


* 02-02110-00-BR
 T.J.R. 1.39
 CONTRACT NO. 95422

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	EFFINGHAM	13	11

Reinforcement cage shall be omitted when Class SI Concrete Encasement is provided.

The cost of Reinforcement is incidental to the Cost of Furnishing Piles.



DETAIL OF REINFORCEMENT FOR METAL SHELLS

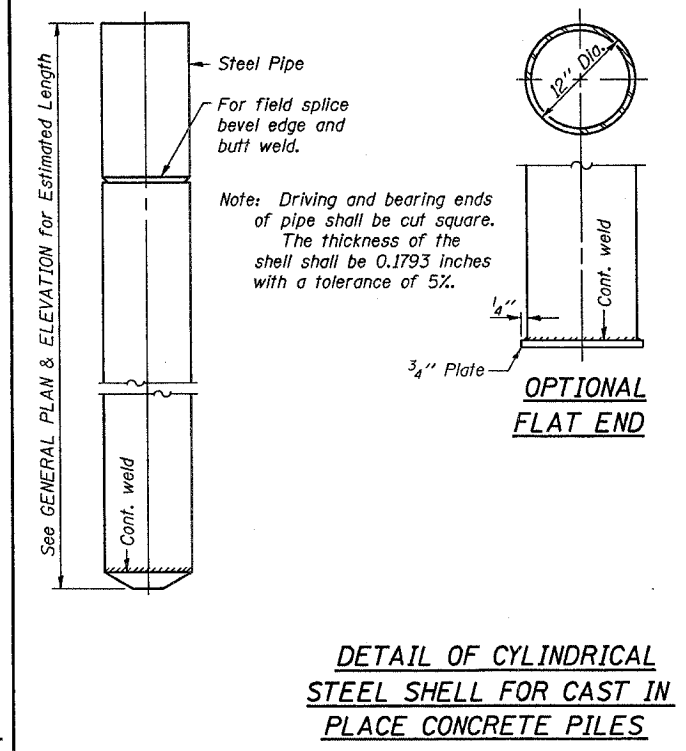
QUANTITIES/LIN. FT. OF ENCASEMENT (STEEL PILES)

Pile Size	Item	Quantity
HP8	Class SI Concrete Encasement	0.063 C.Y.
HP10	Class SI Concrete Encasement	0.086 C.Y.
HP12	Class SI Concrete Encasement	0.112 C.Y.

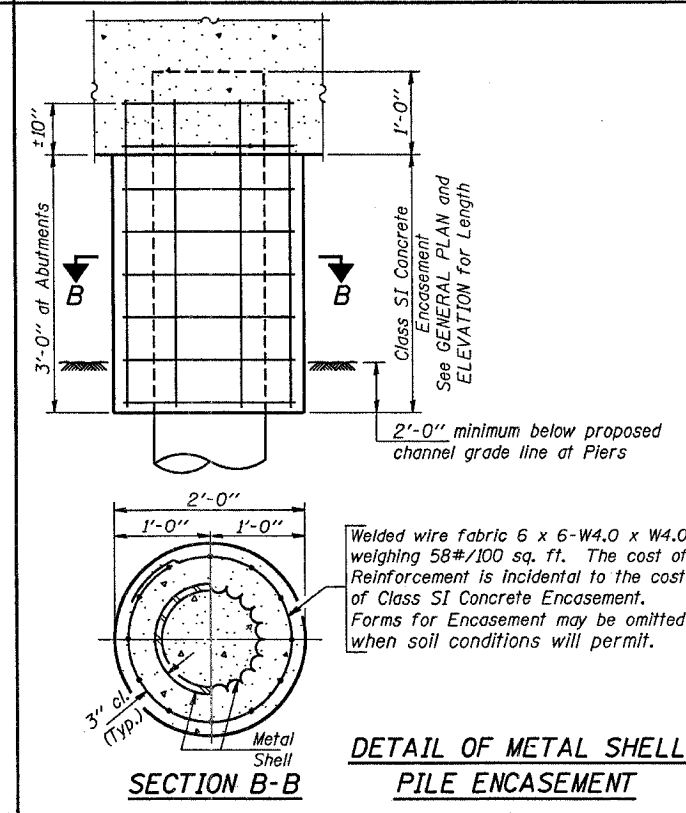
(METAL SHELL PILES)

Pile Size	Item	Quantity
12" Dia.	Class SI Concrete Encasement	0.087 C.Y.

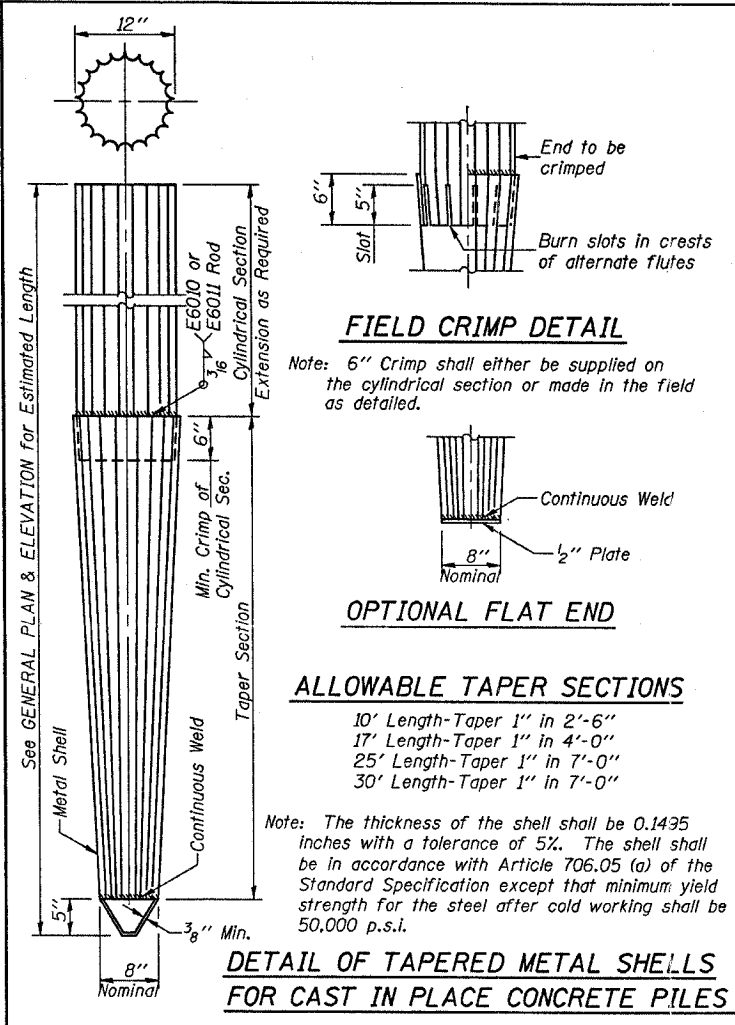
PILE DETAILS
STANDARD CX-1



DETAIL OF CYLINDRICAL STEEL SHELL FOR CAST IN PLACE CONCRETE PILES



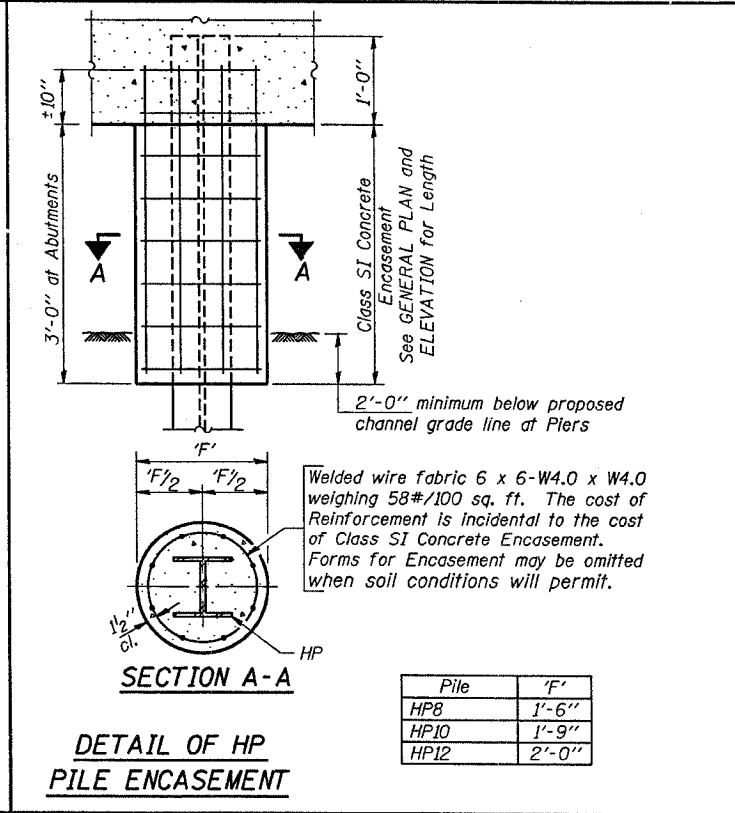
DETAIL OF METAL SHELL PILE ENCASEMENT



ALLOWABLE TAPER SECTIONS FOR CAST IN PLACE CONCRETE PILES

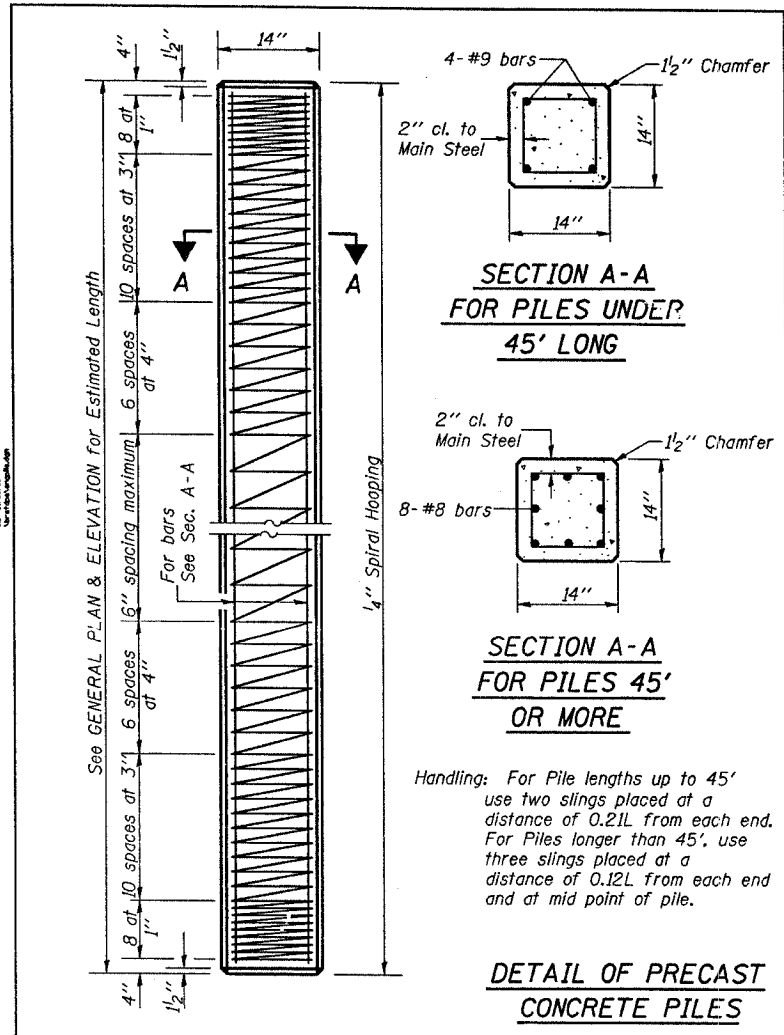
- 10' Length-Taper 1" in 2'-6"
- 17' Length-Taper 1" in 4'-0"
- 25' Length-Taper 1" in 7'-0"
- 30' Length-Taper 1" in 7'-0"

Note: The thickness of the shell shall be 0.1495 inches with a tolerance of 5%. The shell shall be in accordance with Article 706.05 (a) of the Standard Specification except that minimum yield strength for the steel after cold working shall be 50,000 p.s.i.



DETAIL OF HP PILE ENCASEMENT

Pile	'F'
HP8	1'-6"
HP10	1'-9"
HP12	2'-0"



DETAIL OF PRECAST CONCRETE PILES

Handling: For Pile lengths up to 45' use two slings placed at a distance of 0.21L from each end. For Piles longer than 45', use three slings placed at a distance of 0.12L from each end and at mid point of pile.

Illinois Department of Transportation
 PASSED November 1, 1995
 APPROVED November 1, 1995
 Engineer of Bridge Design
 Engineer of Bridges and Structures