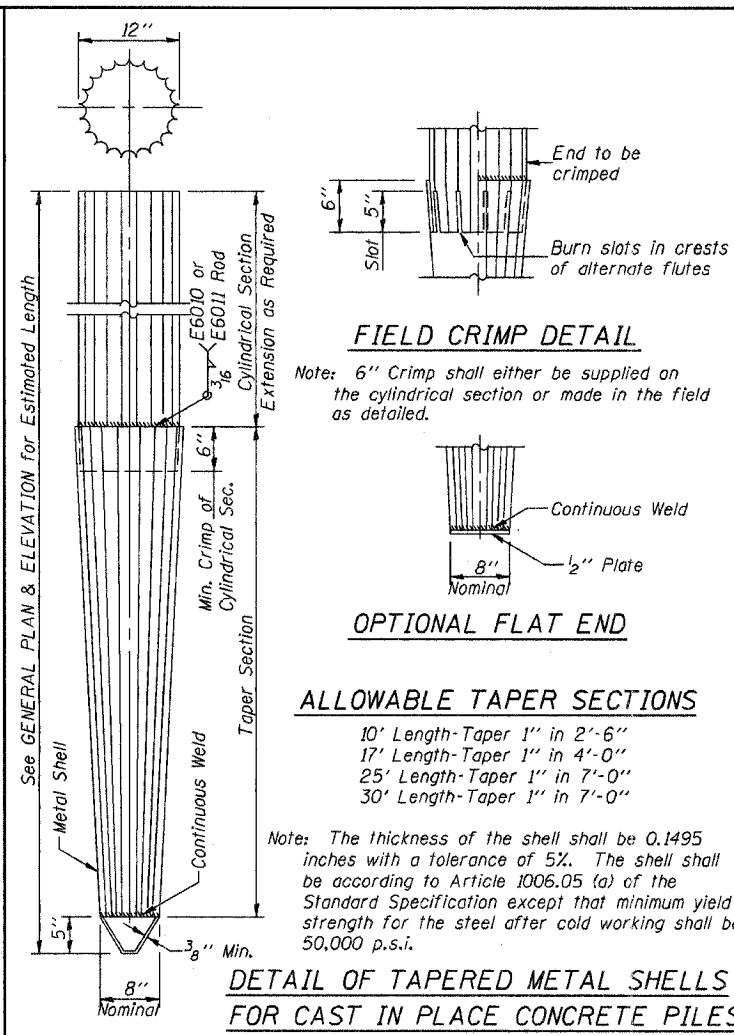
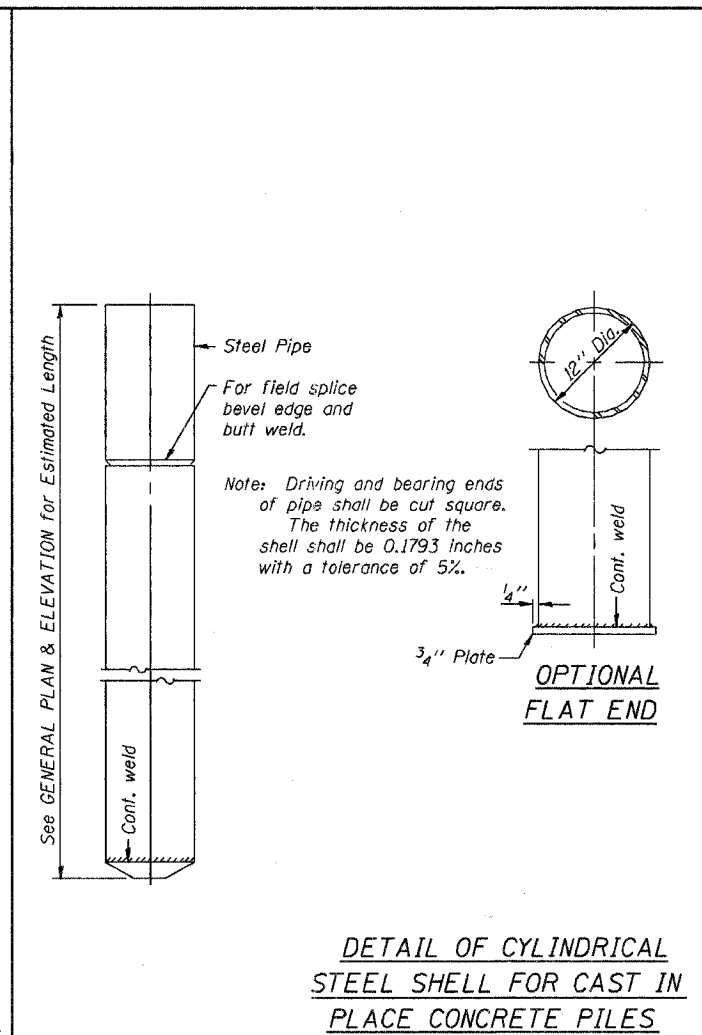


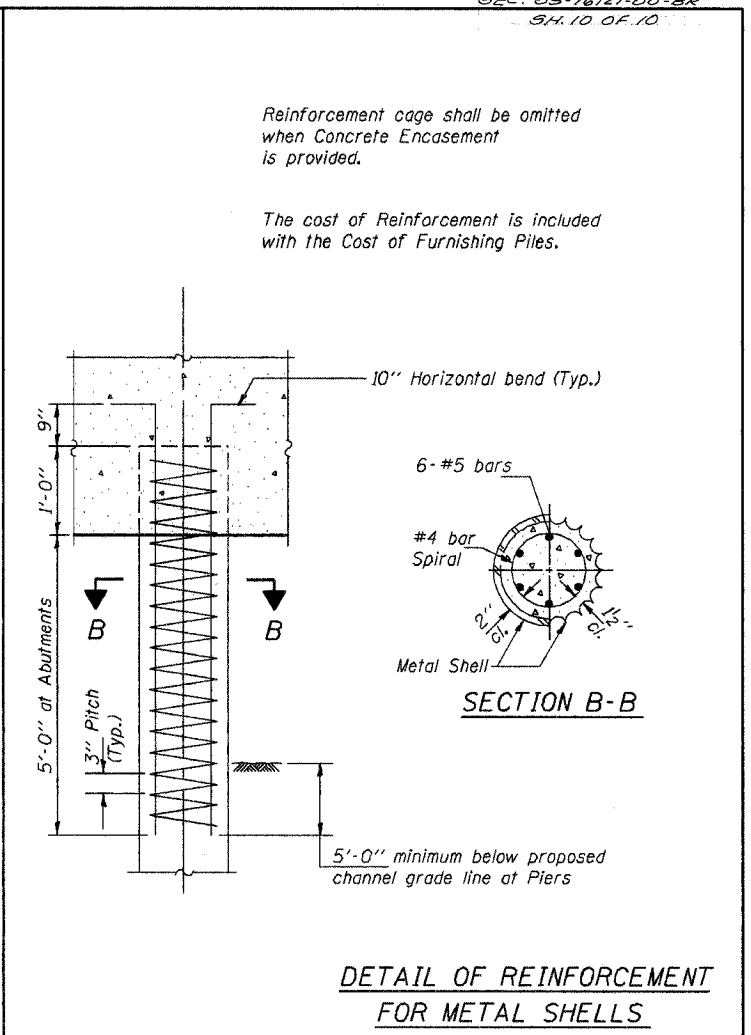
**DETAIL OF PRECAST CONCRETE PILES**



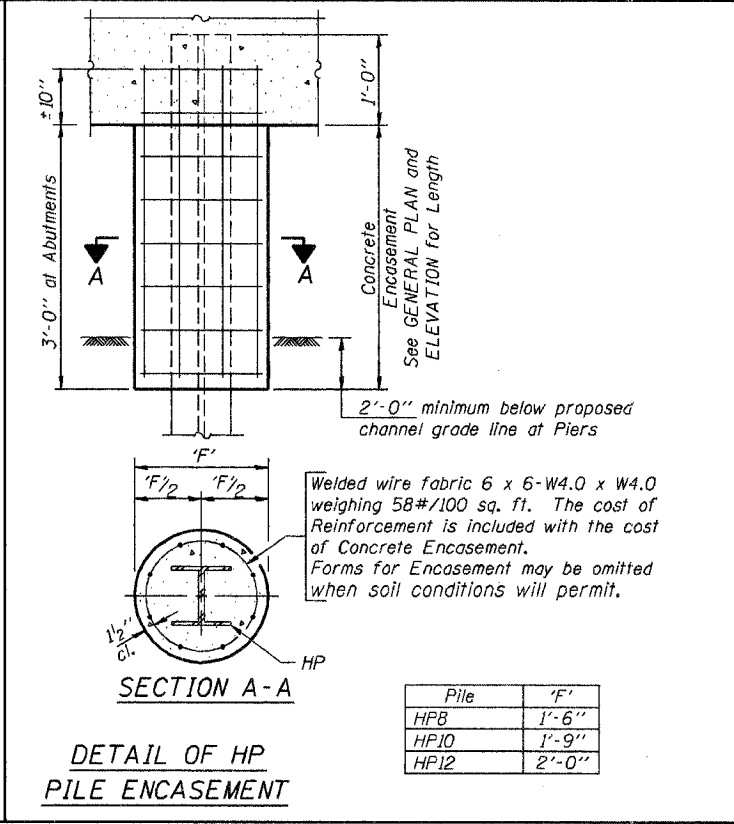
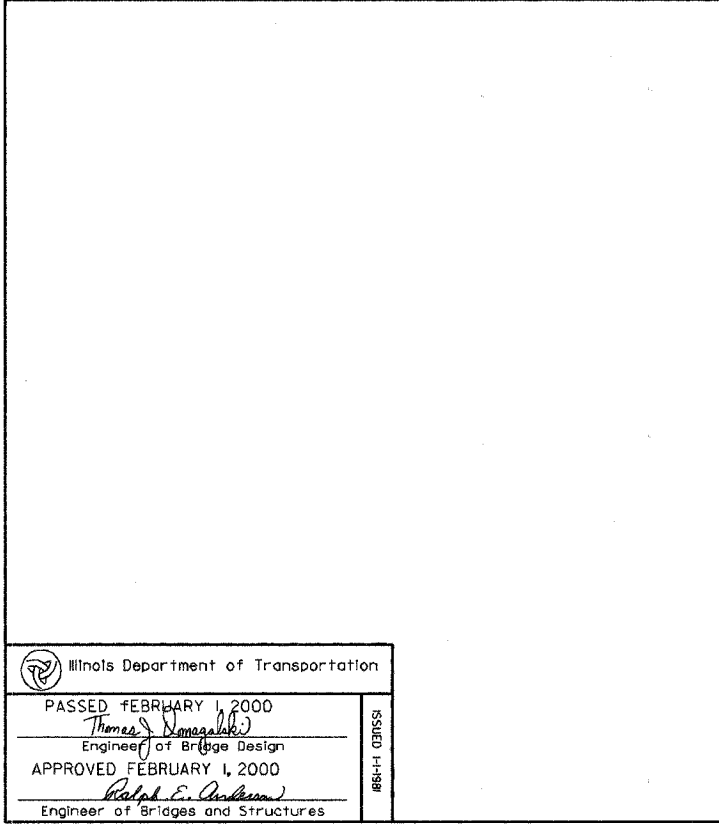
**DETAIL OF TAPERED METAL SHELLS FOR CAST IN PLACE CONCRETE PILES**



**DETAIL OF CYLINDRICAL STEEL SHELL FOR CAST IN PLACE CONCRETE PILES**



**DETAIL OF REINFORCEMENT FOR METAL SHELLS**



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

| Pile Size | Item                | Quantity   |
|-----------|---------------------|------------|
| HP8       | Concrete Encasement | 0.063 C.Y. |
| HP10      | Concrete Encasement | 0.086 C.Y. |
| HP12      | Concrete Encasement | 0.112 C.Y. |

**(METAL SHELL PILES)**

| Pile Size | Item                | Quantity   |
|-----------|---------------------|------------|
| 12" Dia.  | Concrete Encasement | 0.087 C.Y. |

Illinois Department of Transportation  
PASSED FEBRUARY 1, 2000  
Thomas J. Nagasaka  
Engineer of Bridge Design  
APPROVED FEBRUARY 1, 2000  
Robert E. Anderson  
Engineer of Bridges and Structures

**PILE DETAILS**  
**STANDARD CX-1**