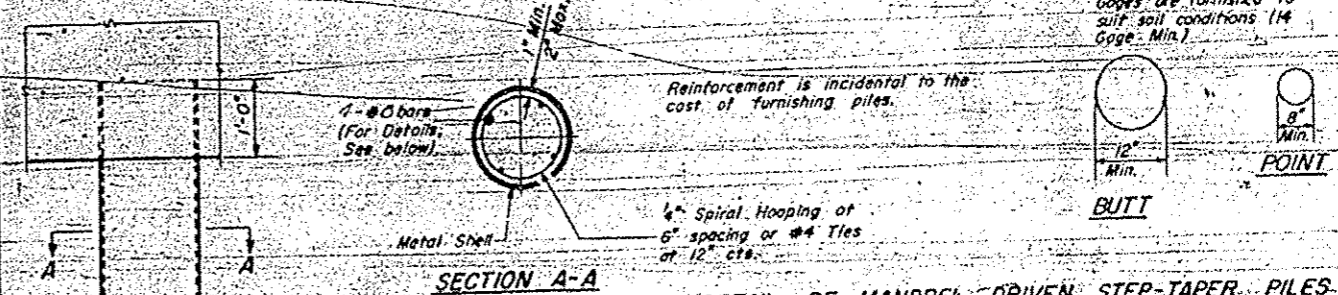
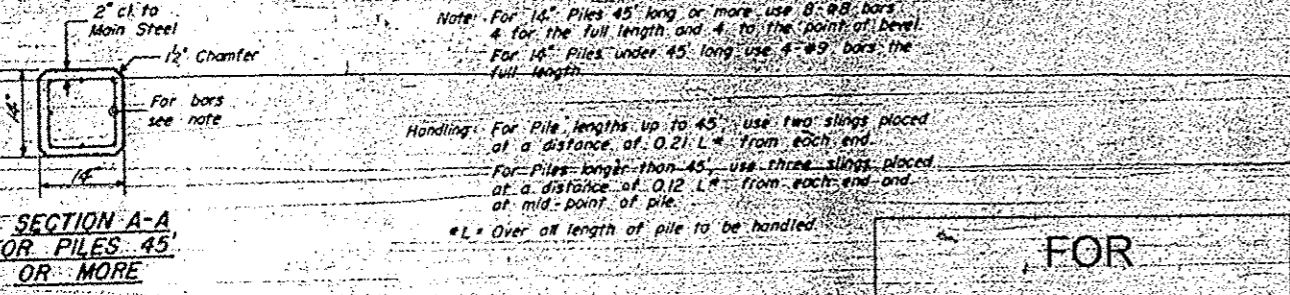
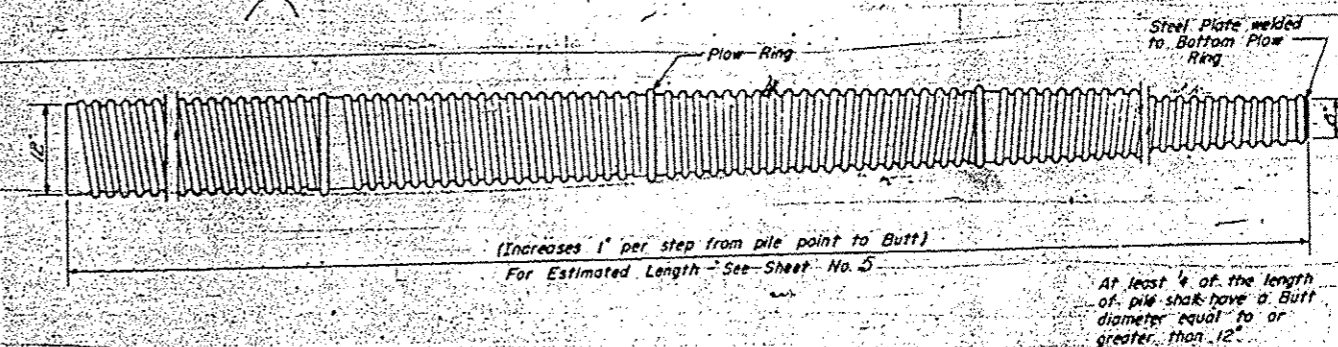
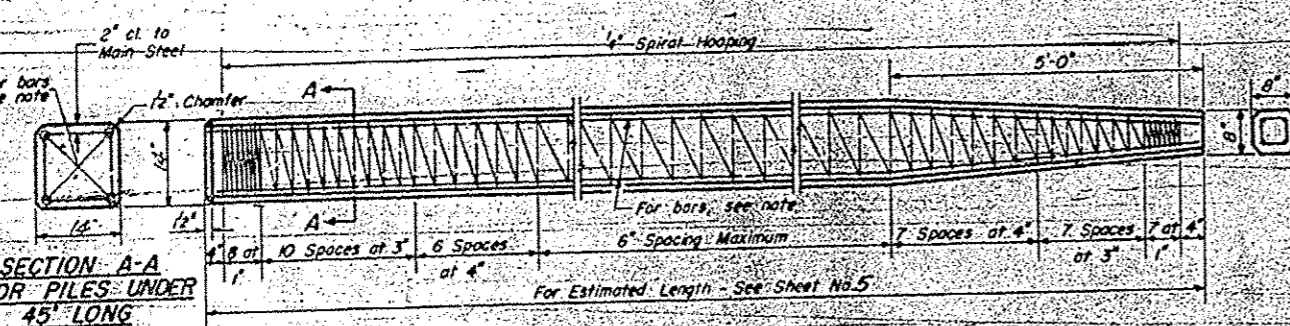


- ALLOWABLE TAPERS**
- 1-Taper 1/2'-6" for 10' + 12" Cylindrical Section Extension
  - 2-Taper 1/4'-0" for 17' + 12" Cylindrical Section Extension
  - 3-Taper 1/7'-0" for 30' + 12" Cylindrical Section Extension



DESIGNED *P.H. Hoguen*  
CHECKED *C.W. Blisk*  
DRAWN *C.W. Blisk*  
CHECKED *C.W. Blisk*

DESIGNED *W.E. Baum*  
CHECKED *W.E. Baum*  
DRAWN *W.A. Edson*  
CHECKED *C.W. Blisk*

MAY 12 1961

FOR  
INFORMATION  
ONLY

DETAIL OF MANDREL-DRIVEN STEP-TAPER PILES  
FOR CAST IN PLACE CONCRETE PILES

PILE DETAILS  
APPLE RIVER BRIDGE  
FA.S. RT. 71 - SEC. 76B  
JODAVIESS COUNTY  
STA. 109 + 75

X-1 Re-drawn 9-24-59 Rev. 9-23-60 Rev. 11-23-60