CONTRACT NO. 91379

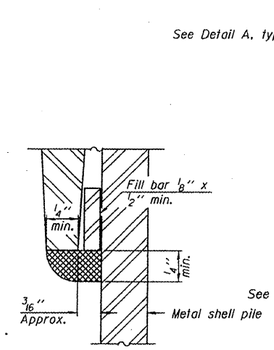
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	DOUGLAS	279	70
FED.ROAD DIST.NO.		ILLINOIS	PROJECT	

Sheet No. 11 of 13 Sheets

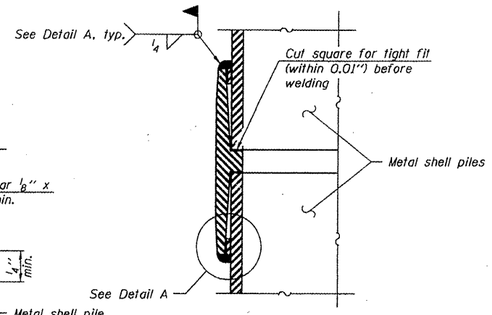
*99-00080-00-RP

METAL SHELL PILE TABLE

Designation	Wall thickness t	Weight per foot (Lbs./ft.)	Inside volume ($yd.^3$/ft.)	Encasement diameter A
PP12	0.179"	22.60	0.0274	30"
PP12	0.250"	31.37	0.0267	30"
PP14	0.250"	36.71	0.0368	30"
PP14	0.312"	45.61	0.0361	30"

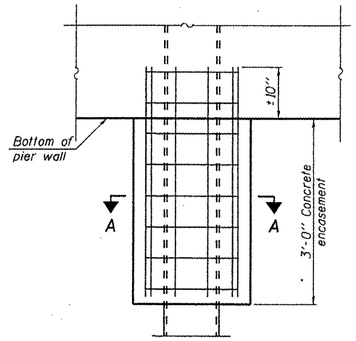


DETAIL A

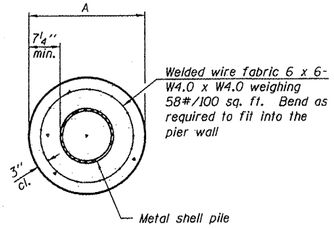


Notes:
The 1/8" x 1/2" min. fill bar may be constructed of 2 bars with a 1/8" max. gap between them.
Pile segments shall be driven to solid contact with splicer before welding.

WELDED COMMERCIAL SPLICE



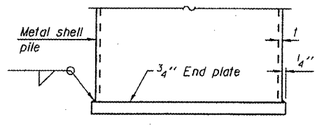
ELEVATION



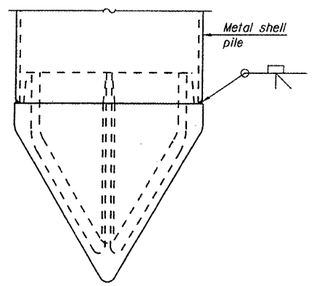
SECTION A-A

Notes:
See Metal Shell Pile Table for dimension "A".
Forms for encasement may be omitted when soil conditions permit.

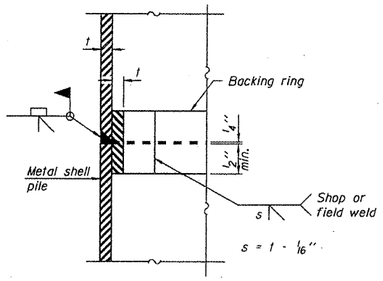
CONCRETE ENCASEMENT AT PIERS



END PLATE ATTACHMENT

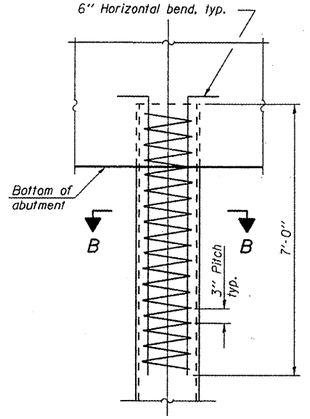


METAL SHELL PILE SHOE ATTACHMENT

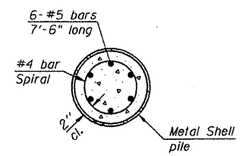


COMPLETE PENETRATION WELD SPLICE

Backing ring made from pile shell. Remove segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.



ELEVATION



SECTION B-B

METAL SHELL REINFORCEMENT AT ABUTMENTS

Note:
The metal shell piles shall be according to ASTM A 252 Grade 3.

CH 11 (FA 666) OVER BIG SLOUGH

METAL SHELL PILE DETAILS

REVISIONS		
No.	DATE	INITIALS
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

SECTION 99-00080-00-RP CH 11 (FAS 666)
SN 021-4548
DOUGLAS COUNTY

HOMER L. CHASTAIN & ASSOCIATES, LLP
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DRAWN BY R KING DATE 01/08
CHECKED BY JMB DATE 01/08
BOOK NUMBER
PROJECT No. 5149
SHEET No.

F-MS 11-1-06