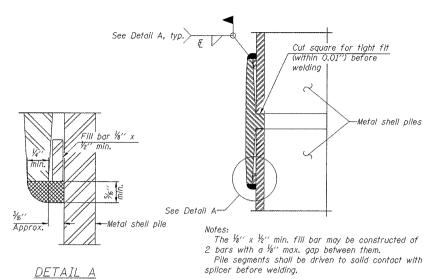
FAS ROUTE NO	SEC	COUNTY	TOTAL SHEETS	SHEET NO				
178	*	LEE	14	13				
ILLINOIS	ILLINOIS PROJECT BRS-0178(105)							

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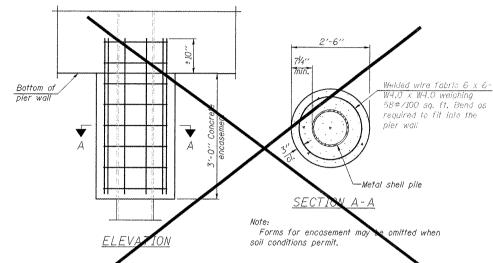


METAL SHELL PILE TABLE

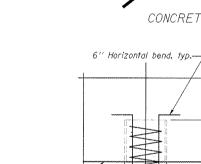
Designation and outside diameter	Wall thickness t	Weight per foot (Lbs./ft.)	Inside volume (yd.3 /ft.)
PP12	0.179''	22.60	0.0274
PP12	0.250''	31.37	0.0267
PP14	0.250′′	36.71	0.0368
PP14	0.312''	45.61	0.0361

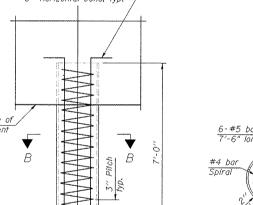


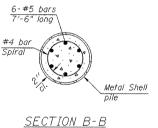
WELDED COMMERCIAL SPLICE



CONCRETE ENCASEMENT AT PIERS

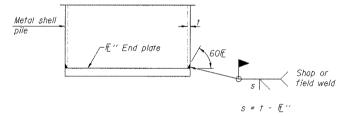




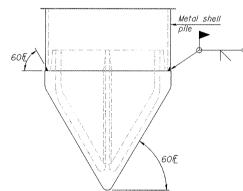


ELEVATION

METAL SHELL REINFORCEMENT AT ABUTMENTS



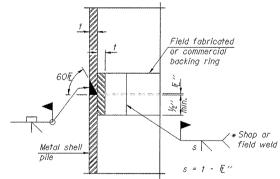
END PLATE ATTACHMENT



When called for on the plans, the Contractor shall furnish metal shell pile shoes consisting of a single piece conical pile point as shown. The pile shoes shall be cast in one piece steel according to either ASTM A 148 Grade 90-60 or AASHTO M 103 Grade 65-35 and shall provide full bearing over the full circumference of the metal shell pile. The pile shoe shall have tapered leads to assure proper alignment and fitting and shall be secured to the pile with a circumferential

field weld

METAL SHELL PILE SHOE ATTACHMENT (See Note A)



COMPLETE PENETRATION WELD SPLICE

* Field fabricated backing ring may be made from plle shell by removing segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.

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

> SN 052-3513 PILING DETAILS SECTION 11-00317-00-BR LEE COUNTY

wend

SCALE: 1"= -

OF PAW PAW ROAD BRIDGE FOR COUNTY HIGHWAY DEPARTN PILE DETAILS

PILE DETAILS

JOB NUMBER 2110221

DATE 03/23/2012

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F-MS

7-1-10