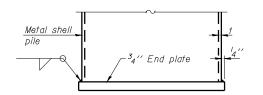
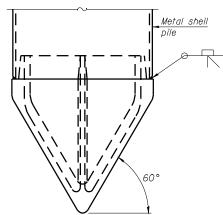
# METAL SHELL PILE TABLE

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



#### END PLATE ATTACHMENT



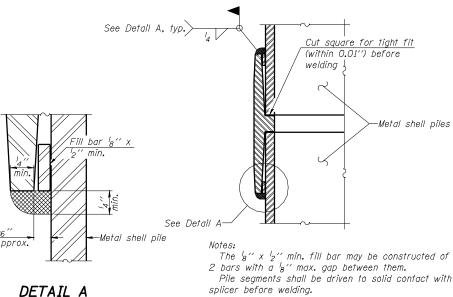
When called for on the plans, the Contractor shall furnish metal shell pile shoes consisting of a single piece conical pile point as shown. The pile shoes shall be cast in one piece steel according to either ASTM A 148 Grade 90-60 or AASHTO M 103 Grade 65-35 and shall provide full bearing over the full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

# METAL SHELL PILE SHOE ATTACHMENT

#### STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

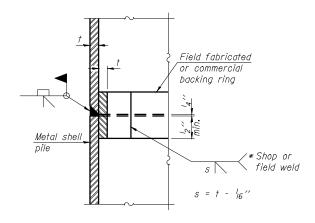
Bottom of

pier wall



splicer before welding.

# WELDED COMMERCIAL SPLICE



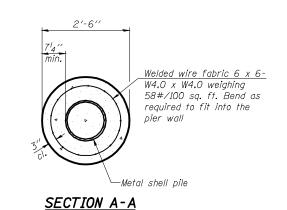
# COMPLETE PENETRATION WELD SPLICE

\* Field fabricated backing ring may be made from pile 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.

#### SHEET NO. SHEET NO. 72 TOTAL FAP Rte 614 144(B-1) Cass & Mason 351 208 86 SHEETS

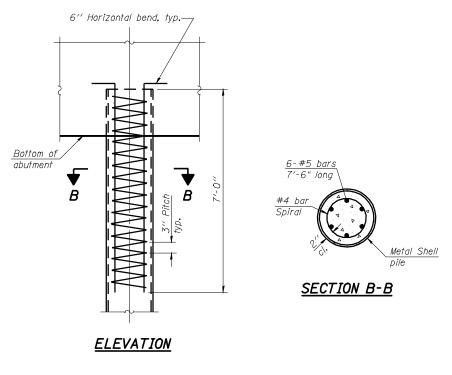
Contract #72A76



Forms for encasement may be omitted when soil conditions permit.

## CONCRETE ENCASEMENT AT PIERS

**ELEVATION** 



## METAL SHELL REINFORCEMENT AT ABUTMENTS

METAL SHELL PILE DETAILS F.A.P. 614 (IL 78) OVER SANGAMON RIVER PUBLIC WATERS CASS & MASON COUNTIES SECTION 144 (B-1) STA. 913+26.00 STRUCTURE NUMBER 009-0510

PROFESSIONAL DESIGN FIRM LICENSE #184-001084



03/27/09

07\$2026