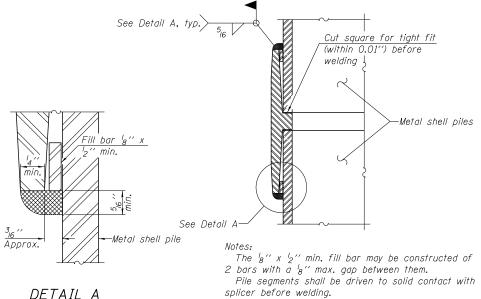


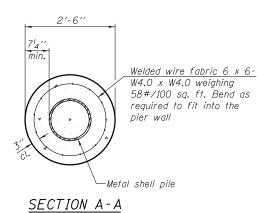
METAL SHELL PILE TABLE

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



DETAIL A

Bottom of pile cap ₹ ELEVATION



Note:

Forms for encasement may be omitted when soil conditions permit.

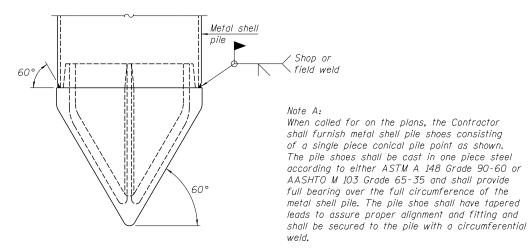
WELDED COMMERCIAL SPLICE

END PLATE ATTACHMENT

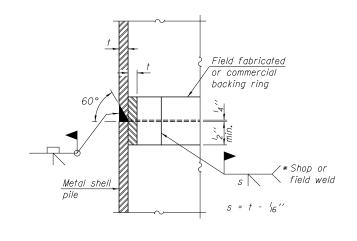
³4′′ End plate

Metal shell

pile



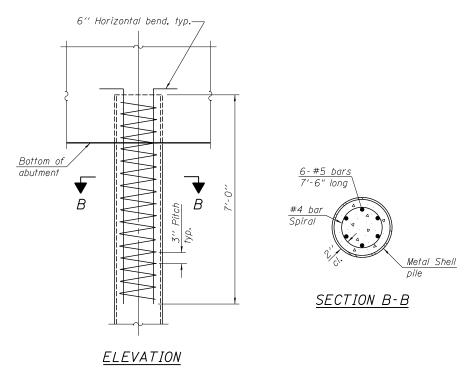
METAL SHELL PILE SHOE ATTACHMENT



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.

CONCRETE ENCASEMENT AT PIERS



METAL SHELL REINFORCEMENT AT ABUTMENTS

Note:

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

ngineering

ROKA

R gineering

Zroka Engineering, P.C.
4216 North Hermitage
Chicago, IL 60613

1-27-12			
	USER NAME = SAW	DESIGNED - PMM	REVISED -
eering, P.C. h Hermitage		CHECKED - DAZ	REVISED -
o, IL 60613	PLOT SCALE = 0:2.0000 ':" / in.	DRAWN - SAW	REVISED -
	PLOT DATE = 5/2/2013	CHECKED - LAS	REVISED -

field weld

s = t - 16"

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

METAL SHELL PILE DETAILS		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.N. 098-0119	200	141B-2	WHITESIDE	77	41
3,14, 030-0113			CONTRAC	T NO. (54D81
SHEET NO. 16 OF 19 SHEETS	ILLINOIS FED. AID PROJECT				

F-MS