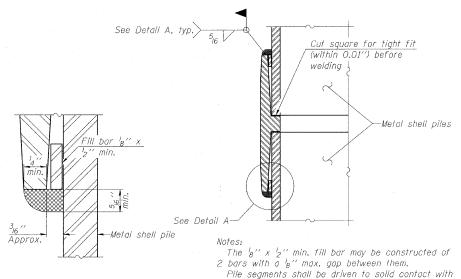


METAL SHELL PILE TABLE

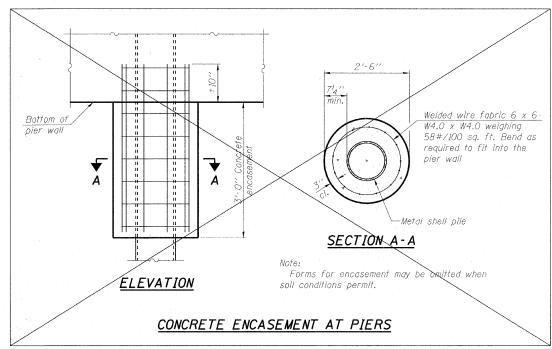
Designation and outside diameter	Wall thickness t	Weight per foot (Lbs./ft.)	Inside volume (yd.³/ft.	
PP12	0.179''	22.60	0.0274	
PP12	0.250"	31.37	0.0267	
PP14	0.250"	36.71	0.0368	
PP14	0.312"	45.61	0.0361	

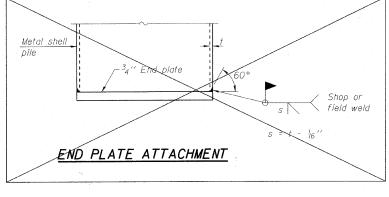


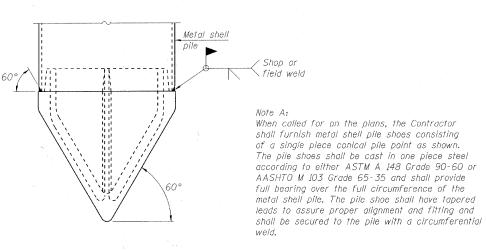




splicer before welding.

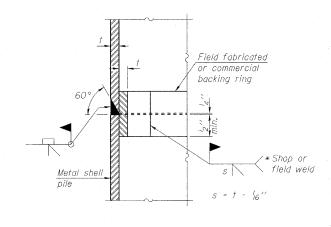






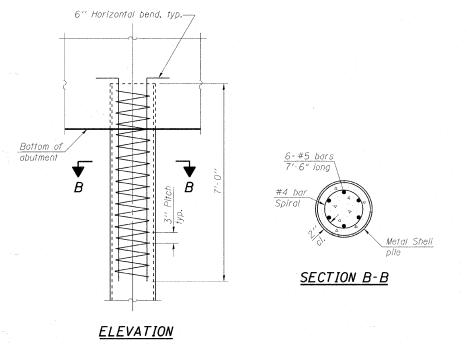
METAL SHELL PILE SHOE ATTACHMENT

(See Note A)



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.



METAL SHELL REINFORCEMENT AT ABUTMENTS

Metal Shell reinforcement at abutments shall be included with the cost of Furnishing Metal Shell Piles.

COUNTY TOTAL SHEE NO.
MCHENRY 52 37

CONTRACT NO. 63580

Note:

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

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USER NAME =	DESIGNED	-	BLB	REVISED	-	12/30/10	PER	MCDO
	CHECKED	-	BAB	REVISED				
PLOT. SCALE .=	DRAWN	~	BCD	REVISED	-			
PLOT DATE =	DATE	-	10/08/10	REVISED	~			

MCHENRY COUNTY DIVISION OF TRANSPORTATION
GRAF ROAD BRIDGE OVER
WEST BRANCH PISCASAW CREEK

METAL SHELL PILE DETAILS	TR RTE.	SECTION		
STRUCTURE NO. 056-3183	0037	06-00322-01-BR		
31100101c No. 030-3103		C-91-258-I1		
SHEET NO. 14 OF 18 SHEETS	FED ROAD	DIST NO 1 HILINOIS F		