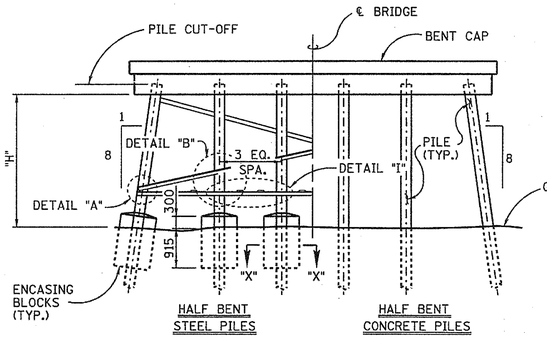
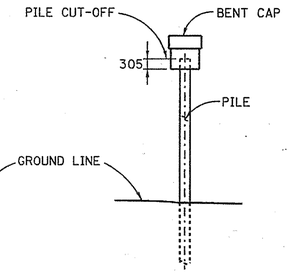
PROJECT NO.	YEAR	SHEET NO.
	1996	

REVISIONS

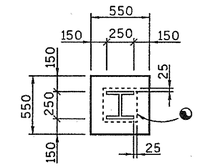
NO.	DATE	BY	BRIEF DESCRIPTION
1	6-10-96	BRB	NEW METRIC STANDARD
2	5-21-99	MAH	REVISED PILE EMBEDMENT, DELETED DETAIL "C" & ADDED PIPE PILE DETAILS
3	4-8-05	JHW	ADDED ENCASING BLOCK DETAIL



3 ELEVATION

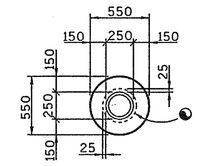


END ELEVATION 2



1 NOTE: WRAP PILE WITH AMERICAN WELDED FABRIC 50 mm × 50 mm MW9 WIRE. COST OF WIRE FABRIC TO BE INCLUDED IN UNIT PRICE BID FOR CLASS "A" CONCRETE.

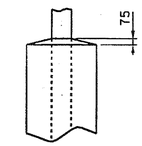
SECTION "X"-"X" 2
(SHOWING H PILE)



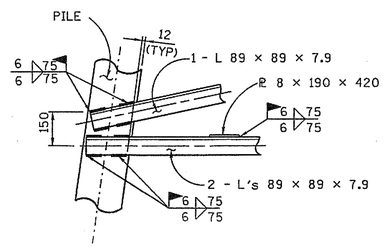
1 NOTE: WRAP PILE WITH AMERICAN WELDED FABRIC 50 mm × 50 mm MW9 WIRE. COST OF WIRE FABRIC TO BE INCLUDED IN UNIT PRICE BID FOR CLASS "A" CONCRETE.

SECTION "X"-"X" 2
(SHOWING PIPE PILE)

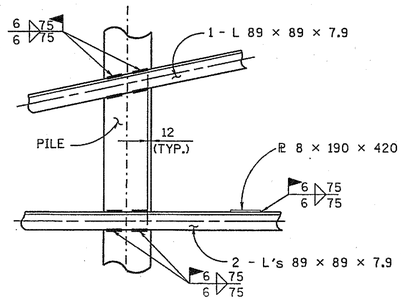
NOTE: DETAILS ARE SHOWN FOR A 250mm H PILE AND A 250mm PIPE PILE, COVER DIMENSIONS SHALL APPLY TO OTHER SIZE PILES, ALSO.



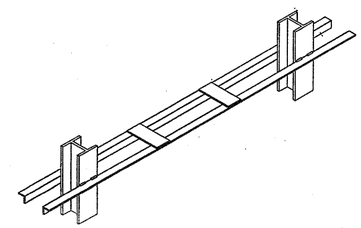
3 NOTE: TOP OF ENCASING BLOCKS SHALL BE SLOPED TO DRAIN AS SHOWN.



DETAIL "A"



DETAIL "B"

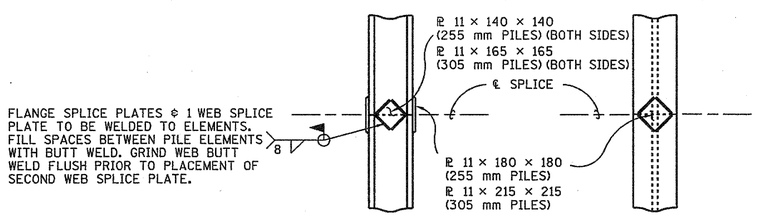


DETAIL "I"

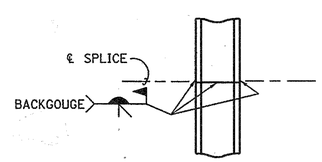
PILE BENT DETAILS

NOTE: WHEN SUBSTITUTION OF STEEL FOR PRECAST CONCRETE PILES OR PRECAST CONCRETE PILES FOR STEEL PILES IS PERMITTED, THE DETAILS WILL BE AS SHOWN (SEE "PILE BENT DETAILS"). THE SUBSTITUTION DOES NOT PERMIT CHANGING THE NUMBER OF PILES IN EITHER CASE. SHOULD THE CONTRACTOR, WHEN PERMITTED, ELECT TO SUBSTITUTE STEEL PILES FOR CONCRETE PILES, THE COST OF ENCASING BLOCKS AT GROUND LINES AND BRACING IF REQUIRED, SHALL BE INCLUDED IN THE PRICE BID PER METER OF PILES.

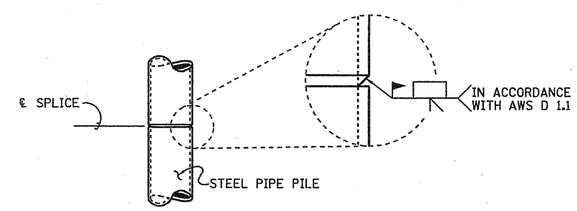
NOTE: WHEN "H" FOR STEEL PILE IS 3.0 m OR GREATER, BRACING IS REQUIRED.



ALTERNATE "A"



ALTERNATE "B"



SPLICING OF STEEL PIPE PILE

SPLICING OF STEEL PILES SHALL BE IN STRICT ACCORDANCE TO THE ANSI/AWS D 1.1 STRUCTURAL WELDING CODE. FIELD WELDS MAY BE MADE WITH MEMBERS IN THE HORIZONTAL OR VERTICAL POSITION PROVIDED THE APPROPRIATE PREQUALIFIED AWS D 1.1 WELD JOINT IS USED FOR THAT POSITION. THE WORK SHALL BE PERFORMED BY AN AWS CERTIFIED WELDER.

STEEL PILE SPLICE DETAILS

NOTE: THE CONTRACTOR MAY USE ALTERNATE "A" OR ALTERNATE "B" FOR H PILES.

ALL UNITS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

MINOR REVISION - FHWA APPROVAL NOT REQUIRED

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STANDARD PILE DETAILS 1996

DESIGNED BY M. HOLLORAN DATE
DRAWN BY KEITH DOUGLAS DATE 11-90
SUPERVISED BY K.L.F. KDF. & MAH DATE 11-90
CHECKED BY DATE

CORRECT Edward P. Wasserman
ENGINEER OF STRUCTURES

DIVISION OF METRIC CONVERSION

SHEET 2 OF 2
STDM-5-2