



THIN UNIFORM TAPERED CAST-IN-PLACE PILE (FOUNDATIONS ONLY)

THIN STEP-TAPERED OR UNIFORM DIAMETER CAST-IN-PLACE (FOUNDATIONS ONLY)

WELDED OR SEAMLESS STEEL PIPE CAST-IN-PLACE (FOUNDATIONS OR TRESTLES AS SPECIFIED)

FLUTED TYPES CAST-IN-PLACE PILE (FOUNDATIONS OR TRESTLES AS SPECIFIED)

THIN SHELLED TYPES
(DRIVEN WITH CORES OR MANDRELS)

THICK SHELLED TYPES
(DRIVEN WITHOUT CORES OR MANDRELS)

GENERAL NOTES:

ALL CONCRETE FOR CAST-IN-PLACE PILES SHALL BE CLASS B-1.

ADDITIONAL THICKNESS MAY BE REQUIRED FOR THIN SHELLED TYPES TO PROVIDE SUFFICIENT STRENGTH TO WITHSTAND DRIVING WITHOUT INJURY AND TO RESIST HARMFUL DISTORTION OR BUCKLING DUE TO SOIL PRESSURE AFTER BEING DRIVEN AND THE MANDEL REMOVED.

THE MINIMUM WALL THICKNESS OF ANY SPOT OR LOCAL AREA OF ANY TYPE SHALL NOT BE MORE THAN 12.5% UNDER THE SPECIFIED NOMINAL WALL THICKNESS.

WHERE 3/4" CLOSURE PLATES ARE REQUIRED FOR TIPS OF PIPE PILES, THE CLOSURE PLATES SHALL NOT PROJECT BEYOND THE OUTSIDE DIAMETER OF THE PIPE PILES. SATISFACTORY WELDMENTS MAY BE MADE BY BEVELING TIP ENDS OF PIPE OR BY USE OF INSIDE BACKING RINGS. IN EITHER CASE, PROPER GAPS SHALL BE USED TO OBTAIN WELD PENETRATION FULL THICKNESS OF PIPE.

SPLICE DETAILS FOR CAST-IN-PLACE CONCRETE PILES SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

ALL SPLICES OF SHELLS FOR CAST-IN-PLACE CONCRETE PILES SHALL BE MADE WATERTIGHT AND TO THE FULL STRENGTH OF THE SHELL ABOVE AND BELOW THE SPLICE TO PERMIT HARD DRIVING WITHOUT DAMAGE. ALL SHELLS DAMAGED DURING DRIVING SHALL BE REPLACED WITHOUT COST TO THE STATE. SHELL SECTIONS USED FOR SPLICING SHALL BE AT LEAST 5'-0" IN LENGTH. THE SPLICE AT THE TAPERED SECTION SHALL BE AT LEAST 3'-0" BELOW THE STREAMBED FOR INTERMEDIATE TRESTLE TYPE BENTS.

MoDOT MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 105 WEST CAPITOL JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT.

CAST-IN-PLACE CONCRETE PILES
(APPROVED TYPES)

DATE EFFECTIVE: 07/01/2004	702.02F	SHEET NO. 1 OF 1
DATE PREPARED: 9/3/2009		

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.