THREE POINT PICK-UP

DATE: C

BY: 3 "

270 L.R.

5 '-0 " MAX. BUILD-UP

6 '' PITCH

CHECKED BY : CRK  3/89

DRAWN BY : WJH  1/89

CHECKED BY :

ASSEMBLED BY :

STEEL WIRE SPIRAL

3'' CL. TO STRANDS

PRESTRESS

ELEVATION

TYPICAL SECTION

EQUAL SPA.

REV. 11/30/10    WMC/GM

REV. 5/1/06R    TLA/GM

REV. 8/16/99R   RAL/LES

½" ~ GRADE 270 L.R. PRESTRESS STRANDS

3'' CL. TO WIRE SPIRAL

1'' TYP.

16 TURNS AT 3 '' PITCH

6 '' PITCH

16 TURNS AT 3 '' PITCH

5 TURNS AT 1 '' PITCH

5 TURNS AT 1 '' PITCH

PRESTRESS STRAND (TYP.)

REMOVE CONCRETE

(A) AT THE CONTRACTOR’S OPTION, PILE BUILD-UP MAY BE CONSTRUCTED WITH DOWELS.

SPIRAL REINFORCING

TO SPLICE MILD

HOLE (TYP.) W/ #9 DOWEL.

1" ~ FIELD DRILLED

24"

24'' STEEL WIRE SPIRAL

PRESTRESS STRAND

W4.0 COLD DRAWN

3" CL.

TYP.

5 TURNS AT 1'' PITCH

BUILD-UP AND

SPIRAL REINFORCING

TYPICAL PATTERN

PILE LENGTH

TYPICAL PATTERN

FOR BURNING STRANDS

SECTION "B-B"

SECTION A-A

1" TYP.

5 TURNS AT 1'' PITCH

WITH DOWELS

OPTIONAL BUILD-UP

DOWEL INSTALLATION FOR OPTIONAL BUILD-UP

EXPRESSED CONCRETE COMpressive STRENGTH: f'c= 5,000 PSI

BEFORE DRILLING DOWEL HOLES, REMOVE THE UPPER 3" OF CONCRETE FROM THE TOP OF THE PILE WITHOUT DAMAGE TO THE REINFORCING STEEL. THE REMOVAL PLANE SHOULD BE NORMAL TO THE EDGE OF THE PILE.

DOWEL Holes SHALL BE INSERTED IN Pairs SYMMETRICALLY ABOUT BOTH THE VERTICAL AND HORIZONTAL AXES, SHOWN. FOR ANY NUMBER OF STRANDS, BOTH PAIRS OF THESE SAME PAIRS OF STRANDS ARE BURNED AT BOTH ENDS BEFORE CLEANING THE HOLE OF ANY OBSTRUCTIONS EXISTING PRESTRESSING STRANDS IN THE CONCRETE PILE.

THE TOP OF THE PILE WITHOUT DAMAGE TO THE REINFORCING STEEL. THE CONCRETE HAS ATTAINED A MINIMUM COMPRESSIVE STRENGTH: f'c= 5,000 PSI AND UNTIL A PERIOD OF SEVEN DAYS HAS ELAPSED FROM CASTING OF THE BUILD-UP.

5,000 PSI AND UNTIL A PERIOD OF SEVEN DAYS HAS ELAPSED FROM CASTING OF THE BUILD-UP.

PROJECT NO. 2

STATION: MET.-0-

COUNTY

DEPARTMENT OF TRANSPORTATION

STANDARD

24" PRESTRESSED CONCRETE PILE

TOTAL

DOWEL INSTALLATION FOR OPTIONAL BUILD-UP

COUNTY

DEPARTMENT OF TRANSPORTATION

STANDARD

24" PRESTRESSED CONCRETE PILE

TOTAL