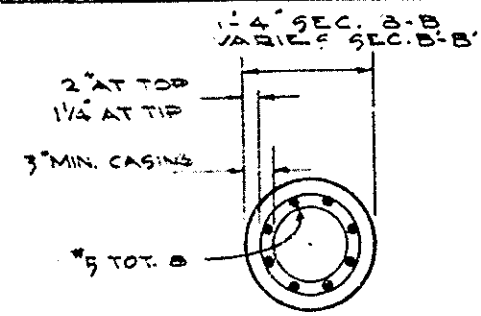
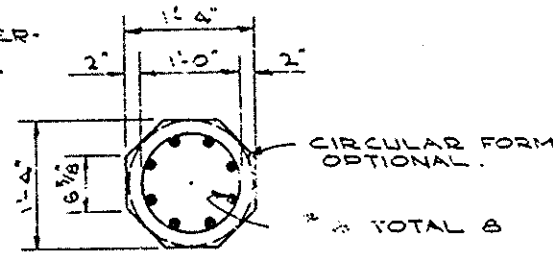




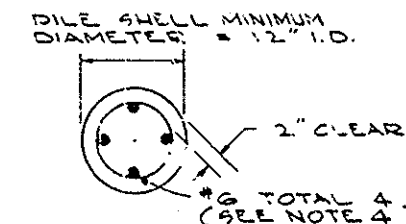
SECTION B-B
SCALE: 3/4" = 1'-0"

SECTION B-B SIMILAR
EXCEPT AS NOTED.

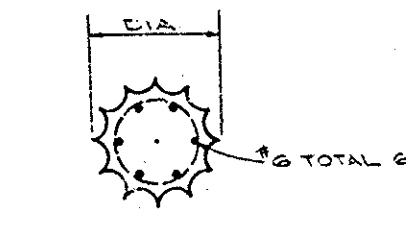
AS AN ALTERNATIVE TO THE REINFORCEMENT SHOWN, ALTERNATIVE "V" LONGITUDINAL REINFORCEMENT MAY CONSIST OF STEEL STRANDS PRESTRESSED TO HAVE A TOTAL BEARING FORCE OF AT LEAST 10,000 LBS. AT NO TIME SHALL THE STRESS IN THE STEEL EXCEED 0.8 OF ITS ULTIMATE VALUE.



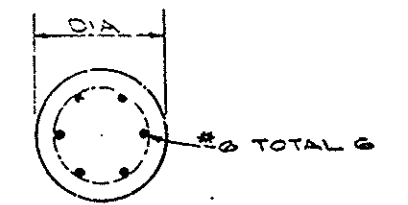
SECTION C-C
SCALE: 3/4" = 1'-0"



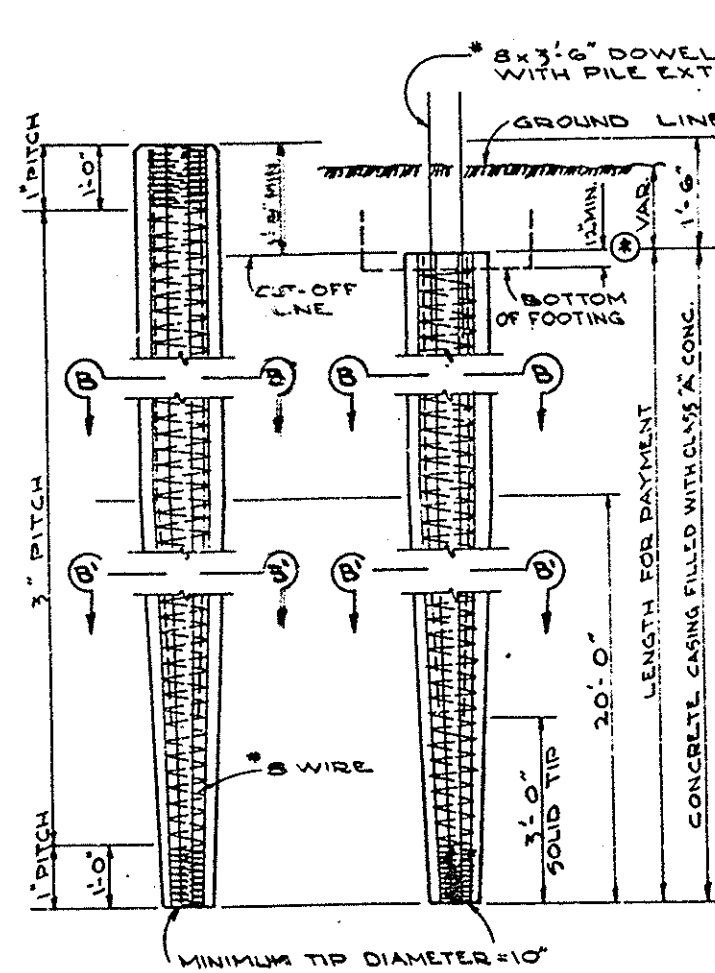
PLAN
SCALE: 3/4" = 1'-0"



SECTION D-D
SCALE: 3/4" = 1'-0"

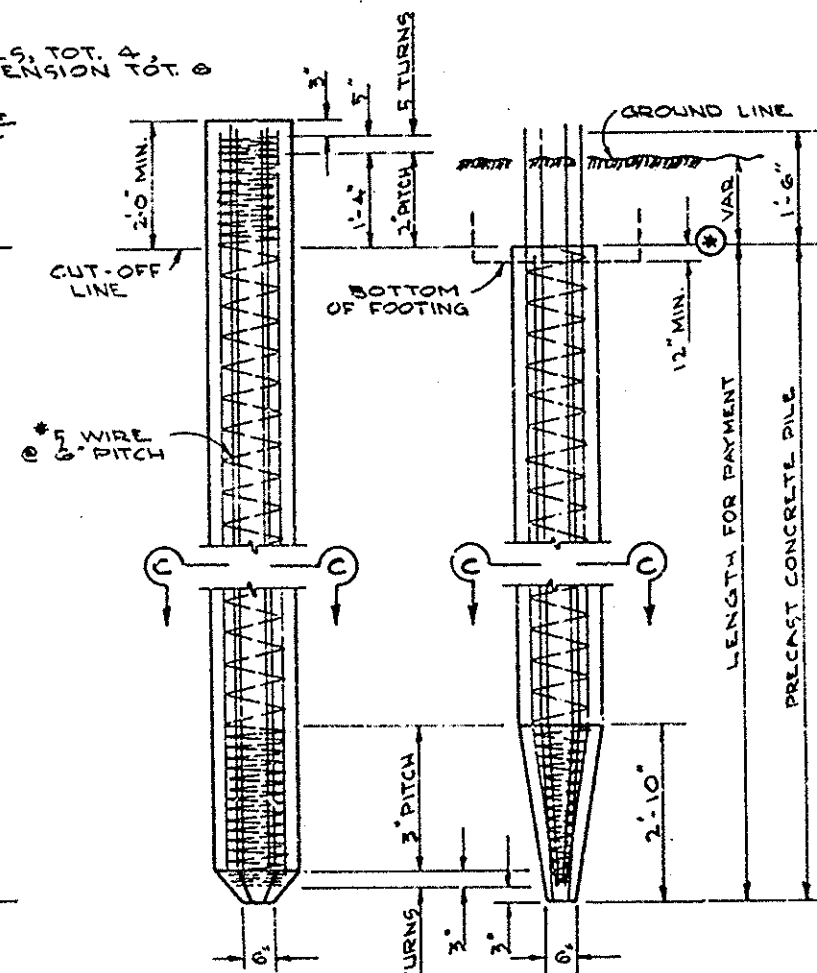


SECTION E-E
SCALE: 3/4" = 1'-0"

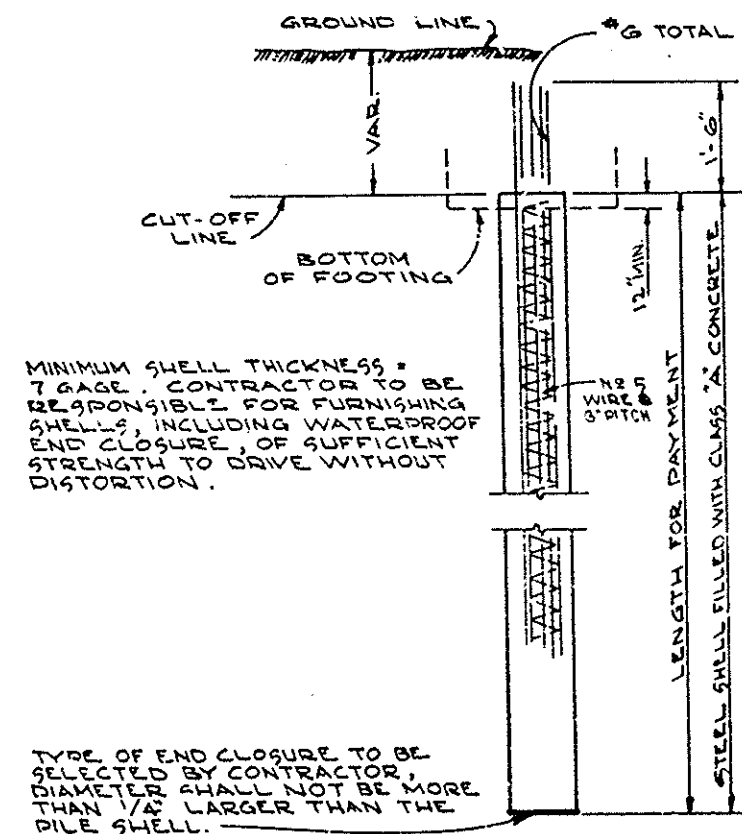


LONGITUDINAL REINFORCEMENT IN THE DRIVEN PORTION OF ALTERNATIVE "W" SHALL BE PRESTRESSED TO 10,000 LBS. PER BAR.

CENTRIFUGALLY SPUN
CONCRETE PILE
ALTERNATIVE "W"

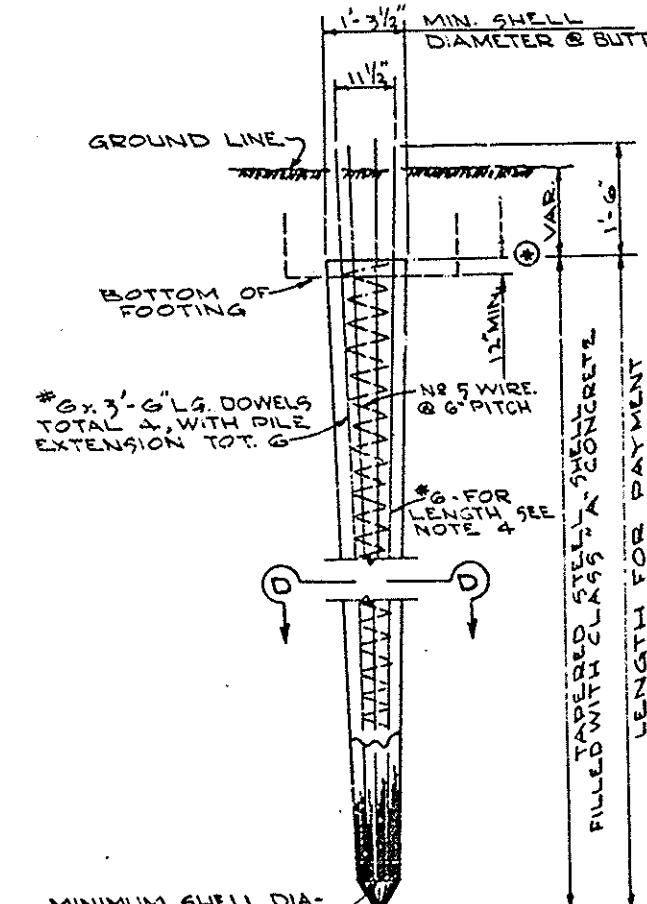


PRECAST
CONCRETE PILE
ALTERNATIVE "X"

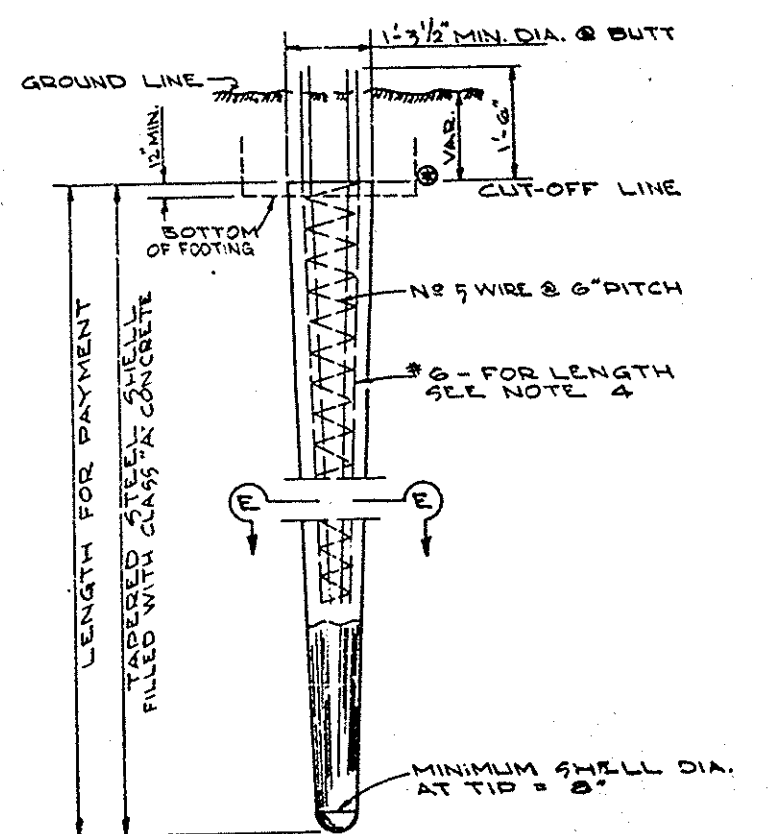


CAST-IN-PLACE
CONCRETE PILE
ALTERNATIVE "U"

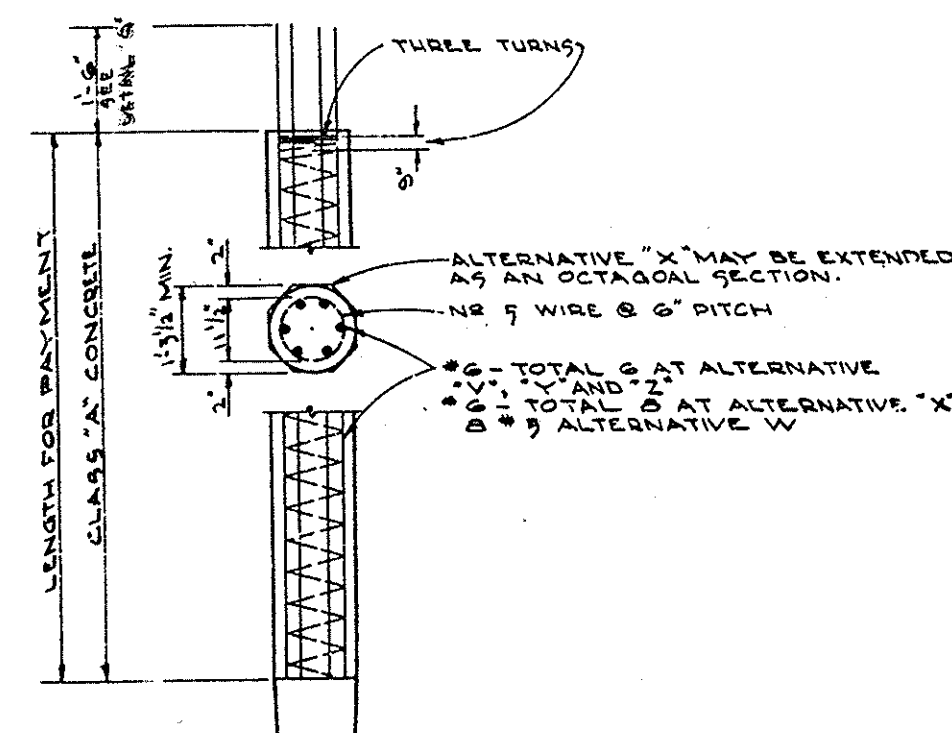
EXTENSIONS OF ALTERNATIVE "U" WILL NOT BE PERMITTED ABOVE THE GROUND WITH EITHER THE TYPICAL PILE EXTENSION OR THE 12" PILE SHELL.



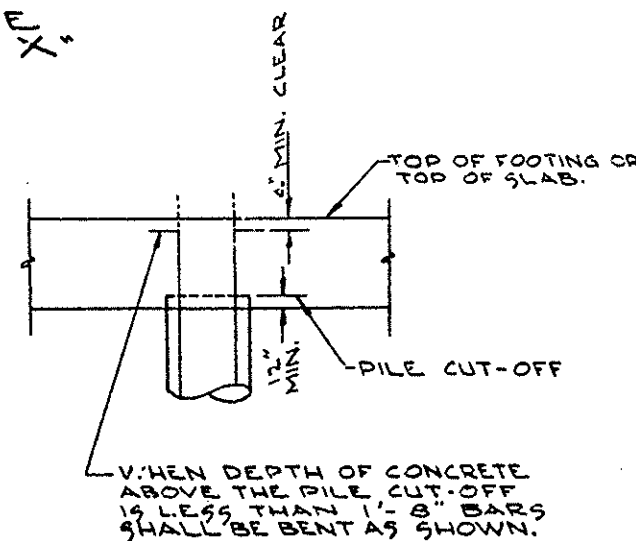
CAST-IN-PLACE
CONCRETE PILE
ALTERNATIVE "Y"



CAST-IN-PLACE
CONCRETE PILE
ALTERNATIVE "Z"



TYPICAL PILE EXTENSION
TYPICAL EXCEPT FOR ALTERNATIVE "U"



DETAIL "G"

NOTES

- FOR ALTERNATIVES "W" AND "X" THE PILES MAY BE DRIVEN FULL LENGTH AND CUT OFF WITHOUT EXTENSION OR THEY MAY BE EXTENDED AS SHOWN AT THE OPTION OF THE CONTRACTOR.
- WHEN ALTERNATIVES "Y" AND "Z" ARE EXTENDED ABOVE GROUND, THE TYPICAL PILE EXTENSION SHALL BE USED.
- WHEN PILES ARE EXTENDED THE ELEVATION OF CUT-OFF SHALL BE LOCATED 1'-0" MINIMUM BELOW GROUND LINE, UNLESS SHOWN OTHERWISE ON THE PLANS.
- IN ALTERNATIVES "U", "Y" & "Z" THE LENGTH OF #6 BARS, MEASURED BELOW GROUND LINE OR BOTTOM OF FOOTING, SHALL BE EITHER ① A MINIMUM OF 1/3 PENETRATION, OR ② 2'-0", WHICHEVER IS THE GREATER.
- WHEN THE "TOP OF A BEARING STRATA" IS INDICATED ON THE PLANS, THE LENGTH OF #6 BARS, MEASURED BELOW THE TOP OF THE BEARING STRATA, SHALL BE EITHER ① A MINIMUM OF 1/3 PENETRATION INTO THIS STRATA OR ② 12" WHICHEVER IS THE GREATER.

Bridge #8A-25
Fifth Street Bridge
Across Santa Ana River
Sheet 10 of 18
RED 425' Scale as shown
Autopositive

TYPE "U" PILES AS BUILT

MICROFILMED

JUN 18 1962

W.W. CM. 500 500 500 500

COUNTY HIGHWAY DEPARTMENT

5TH. STREET BRIDGE

ACROSS SANTA ANA RIVER

PILE DETAILS

NOTED