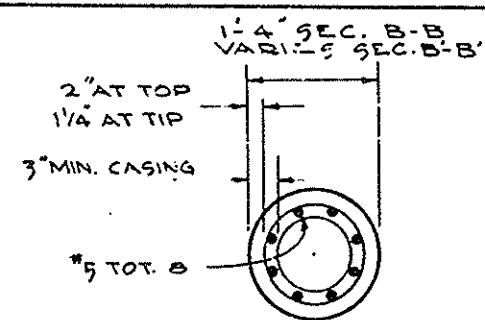
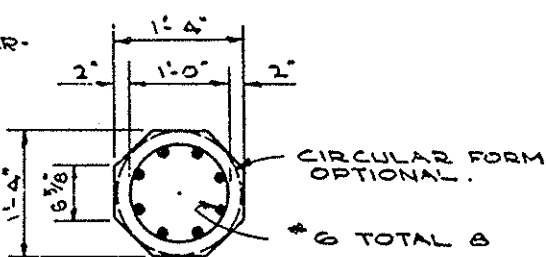


ii.

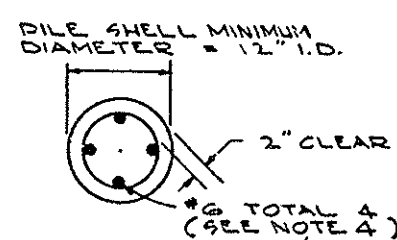


SECTION B-B
SCALE 3/4" = 1'-0"
SECTION B-B SIMILAR EXCEPT AS NOTED.

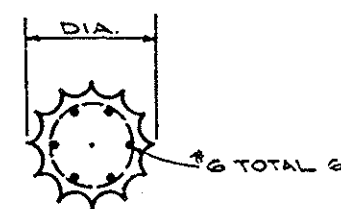
AS AN ALTERNATIVE TO THE REINFORCEMENT SHOWN, ALTERNATIVE "W" LONGITUDINAL REINFORCEMENT MAY CONSIST OF STEEL STRANDS PRESTRESSED TO HAVE A TOTAL REMAINING FORCE AFTER LOSSES OF NOT LESS THAN 60,000 LBS. AT NO TIME SHALL THE STRESS IN THE STEEL EXCEED 0.8 OF ITS ULTIMATE VALUE.



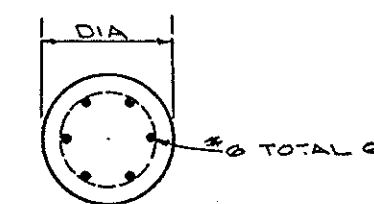
SECTION C-C
SCALE 3/4" = 1'-0"



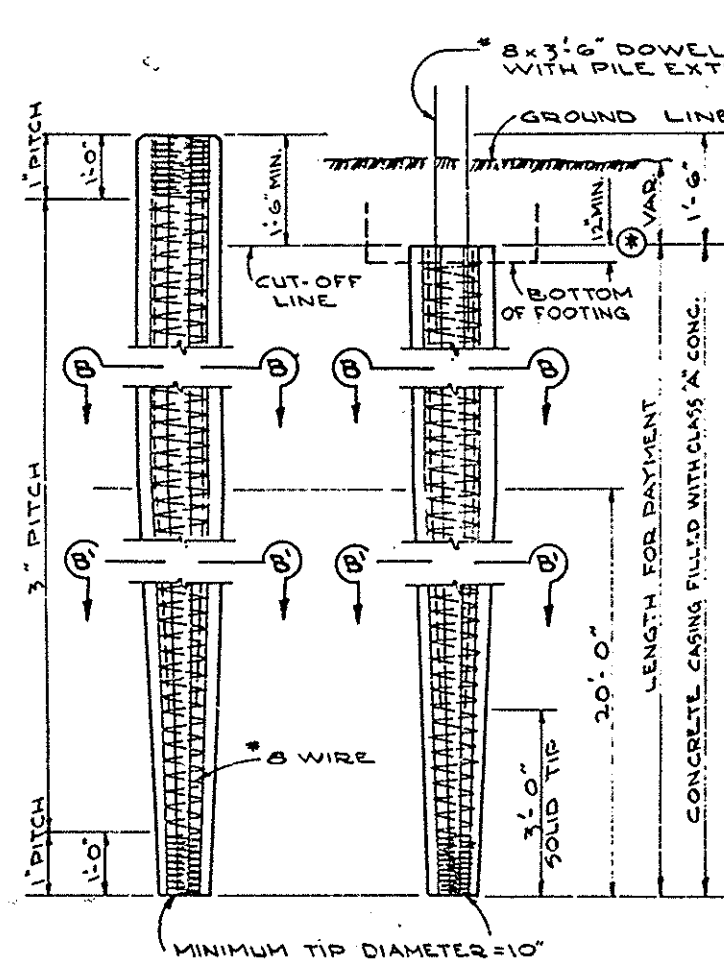
PLAN
SCALE: 3/4" = 1'-0"



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

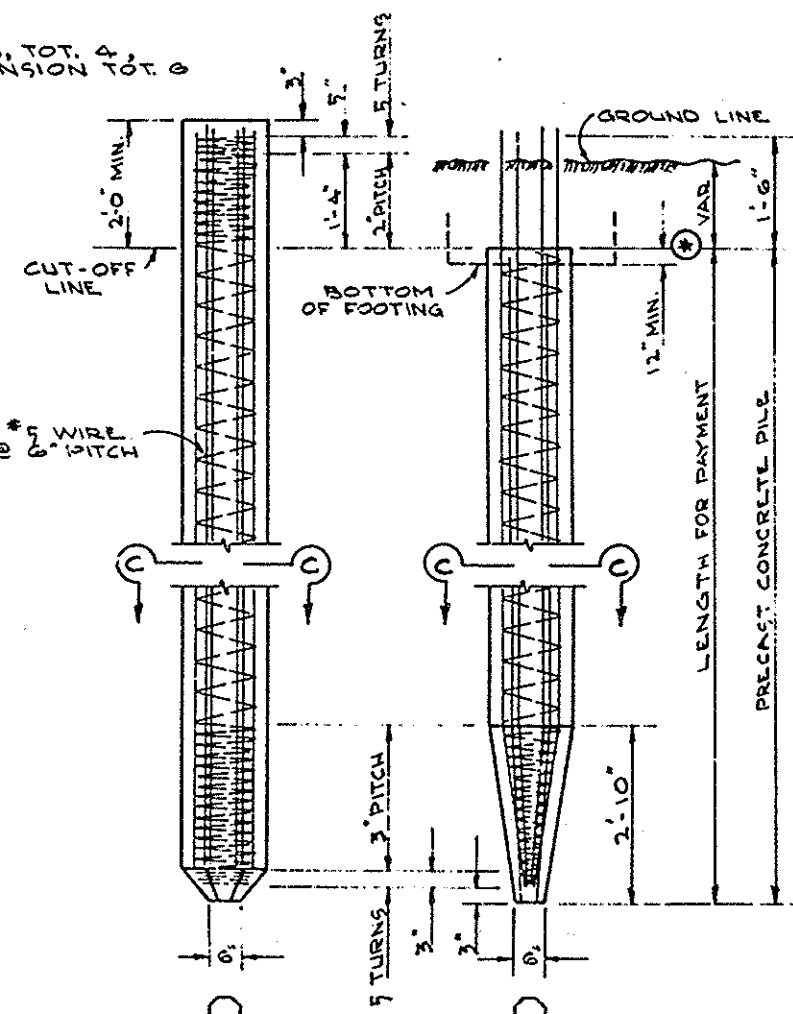


SECTION E-E
SCALE: 3/4" = 1'-0"

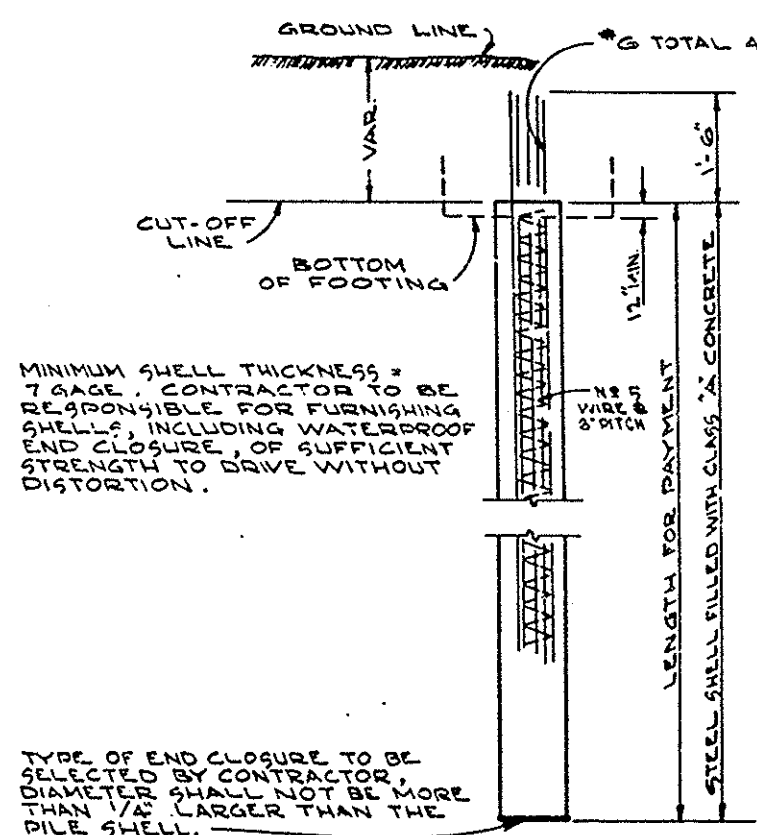


LONGITUDINAL REINFORCEMENT IN THE DRIVEN PORTION OF ALTERNATIVE "W" SHALL BE PRESTRESSED TO 10,000 LBS. PER BAR.

CENTRIFUGALLY SPUN CONCRETE PILE ALTERNATIVE "W"

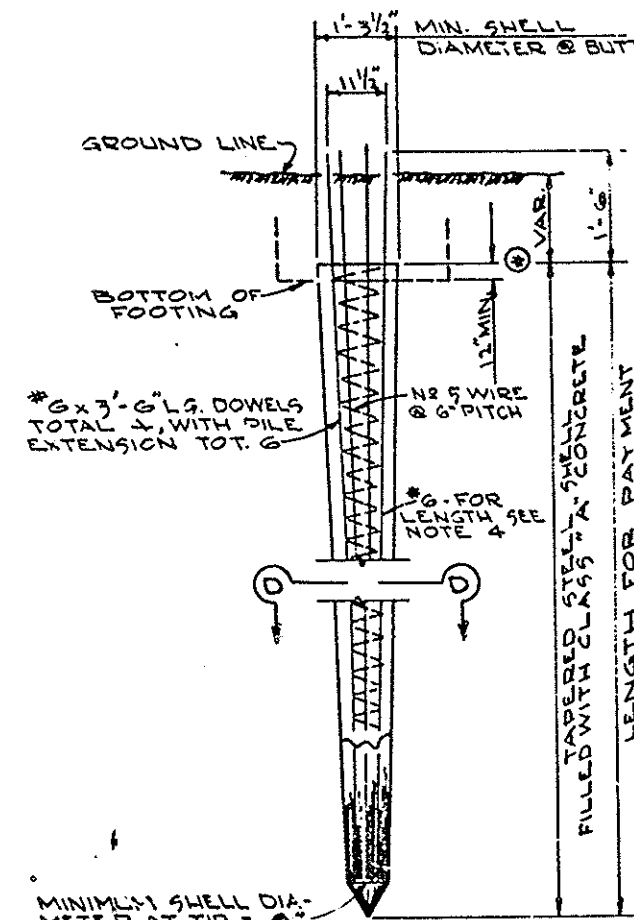


PRECAST CONCRETE PILE ALTERNATIVE "X"

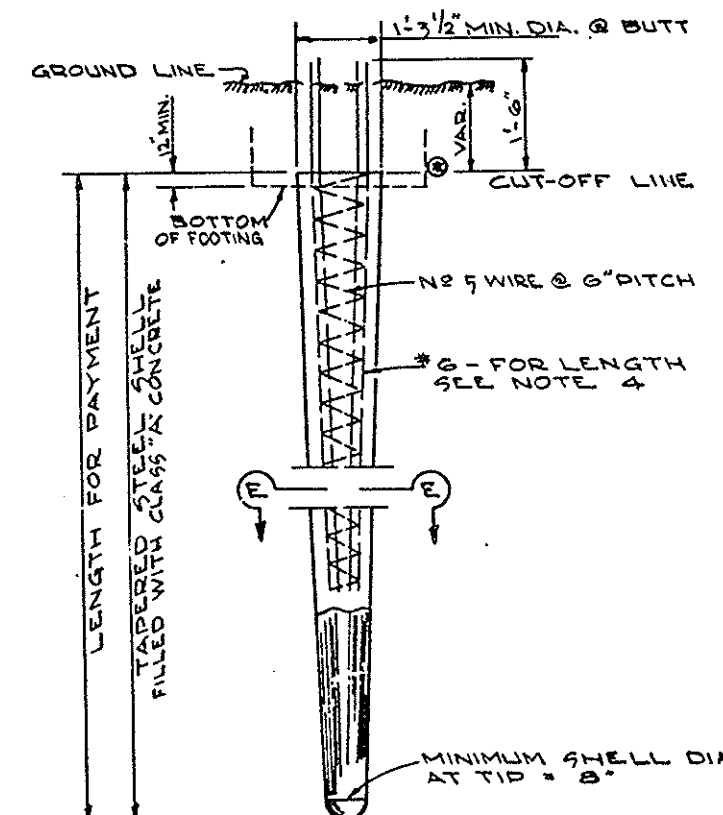


CAST-IN-PLACE CONCRETE PILE ALTERNATIVE "U"

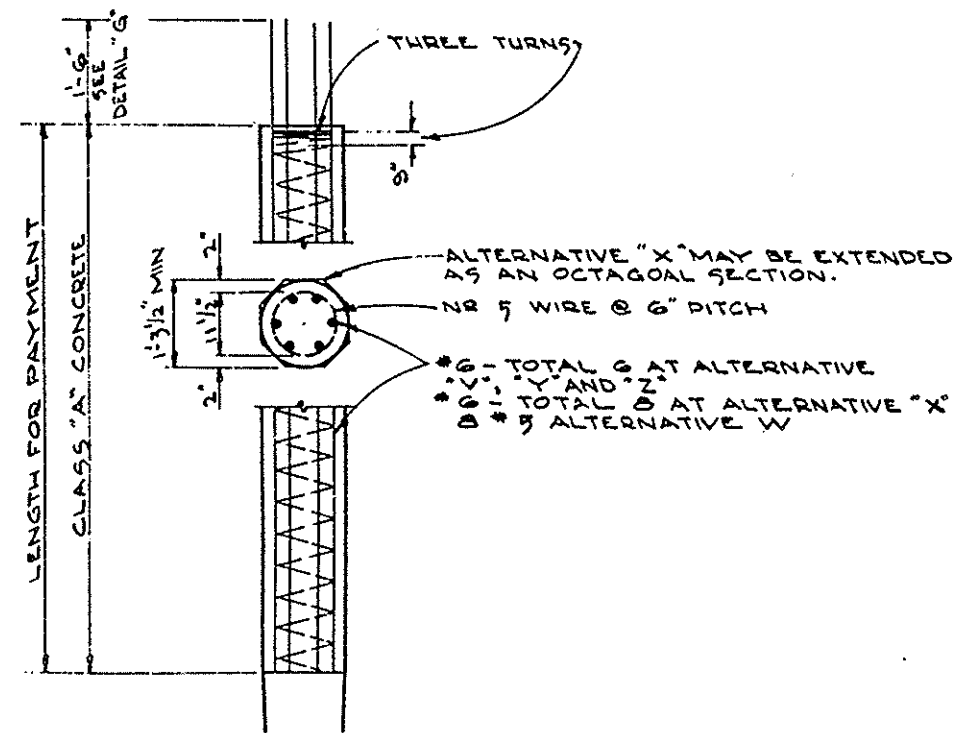
EXTENSIONS OF ALTERNATIVE "U" WILL NOT BE PERMITTED ABOVE THE GROUND WITH EITHER THE TYPICAL PILE EXTENSION OR THE 12' PILE SHELL.



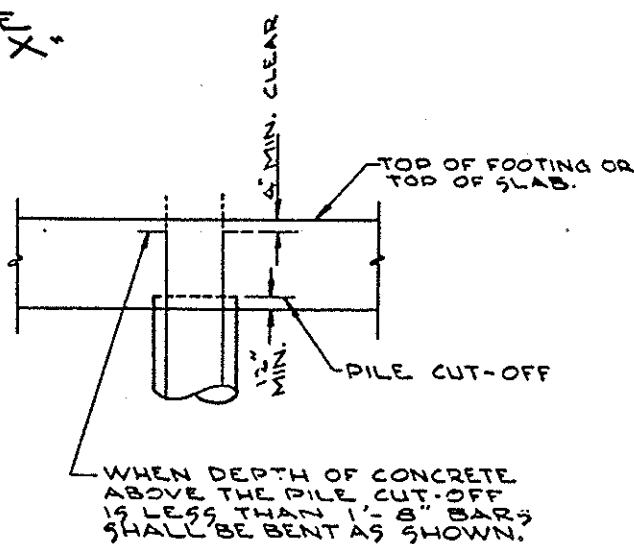
CAST-IN-PLACE CONCRETE PILE ALTERNATIVE "Y"



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 20', 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.

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Hamilton Street
Sheet 18 of 18
Rev'd 22, 5/11 Scale 3/4" = 1'-1"
Zellum

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HAMILTON ST. BRIDGE
SA-38

PILE DETAILS

AS NOTED

13-11-77/18