PILE DETAILS

NOTES
1. Place lifting loops at the lifting points shown in the PILE HANDLING DIAGRAM, Standard Plan E-4a, for the case stated in the contract.
2. Spirals shall be spliced either by lapping one full turn and bending the end of the spiral to a 135° or 90° angle, or by the use of a mechanical connector that develops at least 100% of the minimum yield strength of the spiral. Welding shall meet the requirements of Standard Specification 6-02.3(24)E.
3. All prestressing strands are 1/2" or 0.6" diameter (d_p). Grade 270, uncoated strands, AASHTO M229. Jack to 0.75 FPu maximum.
4. Strength of concrete shall be 5.0 ksf at release and 7.0 ksf at final.
5. 2 1/2" cover if pile is exposed to salt water.

CONCRETE PILES

AASHTO M31 GR. 60

OCTAGONAL TYPE PILE

# 4 SPIRAL

LAP OR WELD SPLICE

WELD SPLICE ONLY

PILES LESS THAN 35' LONG

35' LONG

VINID (E) SPREADER (TYP.)

TYPICAL SECTIONS

SEE NOTE 7

PLAN E 4A

FOR THE CASE STATED IN THE CONTRACT.

EREATION

LAP OR WELD SPLICE

WELD SPLICE ONLY

PILES MORE THAN 35' LONG

35' LONG

NOTE 4

1 1/2" CHAMFER ALL AROUND (TYP.)

SPIRAL TERRMINATION DETAIL (TYP.)

ELEVATION

1 1/2" DEEP 8" LONG, 2" WIDE DIAMETER, ATTACHED ABOUT 3" FROM END OR BOTH

SPIRAL TERMINATION DETAIL

SPIRAL LAP SPLICE DETAIL

SPEARL SPLICE DETAIL

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