**ALTERNATE STRAND PATTERNS**

20 ~ Ø 6" CFRP 7-Strand at 30 kips
20 ~ Ø 3/4" CFRP Single-Strand at 37 kips

**NOTES:**

1. Any of the given Strand Patterns may be utilized. The strands shall be located as follows:
   - Place one strand at each corner and place the remaining strands equally spaced between the corner strands. The local strand pattern shall be concentric with the nominal concrete section of the pile.
   - CONTRACTOR OPTION: The 30" pile may be cast SOLID by omitting the 18" Ø void. In this event, the Contractor shall submit calculations for approval and a proposed strand configuration that provide net prestressing after losses equal to 1000 psi. Alternate configurations for the Diagonal Ties, to maintain the position of the 4 ~ No. 6 Bars, may be approved by the Engineer.
   - Work this Index with Index 455-101 - Typical Details and Notes for Square CFRP & SS Prestressed Concrete Piles and Index 455-102 - Square CFRP & SS Prestressed Concrete Pile Splices.

20 ~ Ø 3/4" CFRP Single-Strand at 37 kips

**SECTION B-B**
(See Pile Splice Reinforcement Details)

**SECTION C-C**
(See Pile Splice Reinforcement Details)

**SECTION D-D**
(See Non-Drivable Unforeseen Reinforced Precast Pile Build-up Detail)

**SECTION E-E**

**SECTION F-F**
(See Drivable Preplanned Prestressed Precast Pile Splice Detail)
SS PILE SPLICE DETAILS

** SS PRESTRESSED PILE DETAILS **

30" SQUARE CFRP & SS PRESTRESSED CONCRETE PILE

NOTES:

1. Any of the given Strand Patterns may be utilized. The strands shall be located as follows:
   - Place one strand at each corner and place the remaining strands equally spaced between the corner strands. The local strand pattern shall be concentric with the nominal concrete section of the pile.
   - CONTRACTOR OPTION: The 30" pile may be cast SOLID by omitting the 18" Ø void. In this event, the Contractor shall submit calculations for approval and a proposed strand configuration that provide net prestressing after losses equal to 1000 psi. Alternate configurations for the Diagonal Ties, to maintain the position of the 4 ~ #8 Bars, may be approved by the Engineer.
   - Work this Index with Index 455-101 - Typical Details and Notes for Square CFRP & SS Prestressed Concrete Piles and Index 455-102 - Square CFRP & SS Prestressed Concrete Pile Splices.

SS PRESTRESSED PILE DETAILS