**CFRP PRESTRESSED PILE DETAILS**

**ALTERNATE STRAND PATTERNS**

- 4 - 0.6" Ø, CFRP 7-Strand, at 42 kips
- 4 - 1/2" Ø, CFRP Single-Strand, at 41 kips

**NOTES:**

1. 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.
2. Any of the given Alternate Strand Patterns may be utilized.

**SECTION A-A**

- 3" Cover (Typ.)
- 0.2" Ø CFRP Strand
- Spiral Ties
- See Alternate Strand Patterns

**SECTION D-D**

- (See Nondrivable Unforeseen Reinforced Precast Pile Build-Up Detail)

**SECTION E-E**

- (See Drivable Unforeseen Prestressed Precast Pile Splice Detail)

**CFRP PILE SPLICE REINFORCEMENT DETAILS**

- 4 ~ No. 6 Bars (Full Length)
- 4 ~ No. 6 Bars
- 6" Pitch
- 16 Turns @ 6" Pitch
- 5 Turns @ 1" Pitch
- 3" Cover (Typ.)
- Spiral Ties @ 6" pitch, full length

**12" SQUARE CFRP & SS PRESTRESSED CONCRETE PILE**

**INDEX** 455-112

**SHEET** 1 of 2

**ELEVATION**

**REVISION**

11/01/16

**LAST REVISION**

11/01/16

**DESCRIPTION:**

**FY 2018-19 STANDARD PLANS**
12" SQUARE CFRP & SS PRESTRESSED CONCRETE PILE

NOTES:
1. 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.
2. Any of the given Strand Patterns may be utilized.
3. 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 total strand pattern shall be concentric with the nominal concrete section of the pile.

SS PRESTRESSED PILE DETAILS

SECTION A-A

STRAND PATTERN
8 - ½" Ø, HSSS @ 24 kips

3" Cover (Typ.)

See Strand Pattern

SECTION D-D

(See Nondrivable Unforeseen Reinforced Precast Pile Build-Up Detail)

SECTION E-E

(See Drivable Unforeseen Prestressed Precast Pile Splice Detail)