PRESTRESSED CONCRETE PILE NOTES:

1. Work this Index with the Square Prestressed Concrete Pile Splices (Index 455-102), the Prestressed Concrete Pile Standards (Index 455-112, 455-114, 455-118, 455-124, 455-130, and the Pile Data Table in the Structures Plans.

2. Concrete:
   A. Piles: Class V (Special)
   B. Silica Fume: See "GENERAL NOTES" in the Structures Plans for locations where the use of silica fume, metakaolin or ultra-fine flyash is required for options using stainless steel strand and reinforcing.

3. Concrete strength at time of prestress transfer:
   A. Piles: 4,000 psi minimum.

4. Reinforcing:
   A. Bars:
      a. Stainless Steel: Meet the requirements of Specification Section 931 for Type 304, Grade 75.
      b. Carbon FRP: Meet the requirements of Specification Section 932.
   B. Prestressing Strands:
      a. Stainless Steel: Seven-wire HSSS, UNS S32205 (Type 2205) or UNS S31803 strand, meeting the requirements of Specification Section 933.
      b. Carbon FRP: Meet the requirements of Specification Section 933.

5. Spiral Ties:
   A. Tie each wrap of the spiral strand to a minimum of two corner strands.
   B. One full turn required for spiral splices.

6. Pile Splices: Fill dowel holes and form the joint between pile sections with a Type AB Epoxy Compound in accordance with Specification Section 926. Use an Epoxy Bonding Compound or an Epoxy Mortar as recommended by the Manufacturer.

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TABLE OF MAXIMUM PILE PICK-UP AND SUPPORT LENGTHS

<table>
<thead>
<tr>
<th>D = Square Pile Size (inches)</th>
<th>12</th>
<th>14</th>
<th>16</th>
<th>18</th>
<th>20</th>
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</thead>
<tbody>
<tr>
<td>Maximum Pile Length (Feet)</td>
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<td>99</td>
<td>10</td>
<td>7</td>
<td>12</td>
<td>10</td>
<td>14</td>
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<td>11</td>
</tr>
</tbody>
</table>

Required Storage and Transportation Detail: Pick-Up Detail

- 2, 3, or 4 point
- 1 Point
- 2 Point
- 3 Point

- Detail Showing
- Typical Cover

TYPICAL PILE SHAPE FOR MOLD FORMS

Spiral Ties - 0.2" Ø CFRP Strand or W4.0 SS Wire

1" Rad. or 1/2" Chamfer (Typ.)