PRESTRESSED CONCRETE PILE NOTES:

1. Work this Index with the Square Prestressed Concrete Pile Splices (Index 455-002), the Prestressed Concrete Pile Standards (Index 455-012 thru 455-030), the High Moment Capacity Square Prestressed Concrete Pile (Index 455-031) and the Pile Data Table in the Structures Plans.

2. Concrete:
   A. Piles: Class V (Special), except use Class VI for High Moment Capacity Pile (Index 455-031).
   B. High Capacity Splice Collar: Class V (Special).
   C. Silica Fume: See "GENERAL NOTES" in the Structures Plans for locations where the use of silica fume, metakaolin or ultra-fine flyash is required.

3. Concrete strength at time of prestress transfer:
   A. Piles: 4,000 psi minimum.
   B. High Moment Capacity Piles: 6,500 psi minimum.

4. Carbon-Steel Reinforcing:
   A. Bars: Meet the requirements of Specification Section 415.
   B. Prestressing Strands: Meet the requirements of Specification Section 933.
   C. Protect all strands permanently exposed to the environment and not embedded under final conditions in accordance with Specification Section 450.

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 962. Use an Epoxy Bonding Compound or an Epoxy Mortar as recommended by the Manufacturer.

TABLE OF MAXIMUM PILE PICK-UP AND SUPPORT LENGTHS

<table>
<thead>
<tr>
<th>D = Square Pile Size (inches)</th>
<th>Required Storage and Transportation Detail</th>
<th>Pick-Up Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>2, 3, or 4 point</td>
<td>3 Point</td>
</tr>
<tr>
<td>14</td>
<td>2, 3, or 4 point</td>
<td>2 Point</td>
</tr>
<tr>
<td>18</td>
<td>3 or 4 point</td>
<td>3 Point</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td></td>
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<tr>
<td>24</td>
<td></td>
<td></td>
</tr>
<tr>
<td>30</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

TYPICAL PILE SHAPE

FOR MOLD FORMS

DETAI L SHOWING

TYPICAL COVER

SQUARE PRESTRESSED CONCRETE PILES

- TYPICAL DETAILS & NOTES

INDEX

455-001

1 of 1 SHEET

LAST REVISION
01/01/16

DESCRIPTION:

FY 2020-21
STANDARD PLANS

REVISED FY 2020-21

REVISED FY 2020-21