1. Pile reinforcement extending into footing shall be hooked as required to provide clearance to top of footing. Piles shall be extended only with details shown on the Project Plans.

2. At the contractor's option, alternative steel pipe pile with at least the diameter and wall thickness shown on these plans may be used. The diameter shall not exceed 1'-6".

3. Maximum cut-off length at the top of the alternative "X" pile and alternative "Y" piles is 10'-0".

**NOTES:**

1. **W11.0 @ 1⅛"** may be substituted for **W11.0 @ 1⅛"**.

2. **W11.0 @ 1⅛"** may be substituted for **W11.0 @ 1⅛"**.

**ALTERNATIVE "W"**

**ALTERNATIVE "X"**

**ALTERNATIVE "Y"**

**PRECAST Prestressed CONCRETE PILES**

**Fy (minimum yield strength) = 45,000 psi**

**Fu (minimum tensile strength) = 66,000 psi**

**PRESTRESSING STEEL**

**f'  (nominal axial structural resistance) = 200 kip (Service state)**

**f (nominal axial structural resistance) = 4,000 psi**

**f (nominal axial structural resistance) = 60,000 psi**

**SECTION W-W**

**SECTION X-X**

**SECTION Y-Y**

**ALTERNATIVE PILE ANCHOR FOR PRESTRESSED PILE**

**REINFORCED CONCRETE PRECAST PRESTRESSED PILES**

**STEEL PIPE PILE**

**SECTION DATA:**

**Required Nominal Resistance (Tension) #**

<table>
<thead>
<tr>
<th>#</th>
<th>75 kips or Less</th>
<th>Greater Than 75 kips</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;A&quot; Bars</td>
<td>#6</td>
<td>#8</td>
</tr>
</tbody>
</table>

**E" Dimension**

<table>
<thead>
<tr>
<th>&quot;E&quot; Dimension</th>
<th>1&quot;-8&quot;</th>
<th>2&quot;-8&quot;</th>
</tr>
</thead>
</table>

* See Pile Data Tables on the Project Plans for Nominal Resistance (Tension) Requirements.