<table>
<thead>
<tr>
<th>Mast Arm Type</th>
<th>Soil Type</th>
<th>Soil Condition</th>
<th>S_u</th>
<th>N60</th>
<th>Diameter (in)</th>
<th>Foundation Depth (ft)</th>
<th>Casing Depth</th>
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<tbody>
<tr>
<td>Single Arm</td>
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<td>19.5</td>
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<td>Med Sand</td>
<td>10 &lt; N60 ≤ 20</td>
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<td>13.0</td>
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<tr>
<td></td>
<td>High Sand</td>
<td>N60 &gt; 20</td>
<td>42</td>
<td>12.5</td>
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<td>16.5</td>
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<td>Med Clay</td>
<td>1000 ≤ S_u &lt; 2000</td>
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<td>14.0</td>
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</tbody>
</table>

*Su = Ultimate Undrained Shear Strength in Cohesive Soil (psf)
*N60 = Standard Penetration Resistance (Blows/Foot according to ASTM D-1586) corrected to 60% Hammer Efficiency utilizing the Hammer's Calibrated Energy
*Table based on Drilled Shaft Head Deflection ≤ 1 inch, the Ground Water Table ≥ 3 feet below the ground surface, and the first 3.5 feet of soil modeled as Disturbed Soil assuming ground is disturbed to locate utilities

Note: A Detailed Site Specific Design is Required for the Following Conditions
1) If N60 < 5 or S_u < 500 psf
2) If mast are lengths are greater than 50 feet
3) If Rock Sockets are required for the drilled shaft