**Chain Link Fence Gate Hardware Table**

<table>
<thead>
<tr>
<th>Gate Type</th>
<th>Gate Height</th>
<th>No. of Hinges</th>
</tr>
</thead>
<tbody>
<tr>
<td>TYPE 1A</td>
<td>4' to 8'</td>
<td>0</td>
</tr>
<tr>
<td>TYPE 2</td>
<td>7' to 12'</td>
<td>0</td>
</tr>
<tr>
<td>TYPE 3</td>
<td>8' to 15'</td>
<td>1</td>
</tr>
</tbody>
</table>

**Gate Vertical Stay Table**

<table>
<thead>
<tr>
<th>Gate Type</th>
<th>Gate Height</th>
<th>No. of Vertical Stays</th>
</tr>
</thead>
<tbody>
<tr>
<td>TYPE 1A</td>
<td>4' to 8'</td>
<td>1</td>
</tr>
<tr>
<td>TYPE 2</td>
<td>7' to 12'</td>
<td>2</td>
</tr>
<tr>
<td>TYPE 3</td>
<td>8' to 15'</td>
<td>3</td>
</tr>
</tbody>
</table>

**Gate Location Detail**

(See Note No. 7)

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**Chain Link Fence Gating Details**

- **Approach Profile**
  - Example of Gate Grounding
  - Example of Rod Grounding

**Gate Vertical Brace Table**

<table>
<thead>
<tr>
<th>Gate Type</th>
<th>Gate Height</th>
<th>No. of Horizontal Braces</th>
</tr>
</thead>
<tbody>
<tr>
<td>TYPE 1A</td>
<td>4' to 8'</td>
<td>4</td>
</tr>
<tr>
<td>TYPE 2</td>
<td>7' to 12'</td>
<td>4</td>
</tr>
<tr>
<td>TYPE 3</td>
<td>8' to 15'</td>
<td>2</td>
</tr>
</tbody>
</table>

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**Chain Link Fence Grounding Details**

- **Fence Side**
- **Gate Side**
  - Minimum 8 3/4” Grounding Rod

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**Gate Grounding Details**

- **Fence Grounding**
- **Example of Rigid Grounding**

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**Gate Placement Details**

- **Example of Rigid Grounding**
- **Approach Profile**
  - Fill Section
  - End of Approach Construction

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**Gate Construction Details**

- **Type 3 Gates**
  - Chain Link Fence Hardware may vary somewhat from that shown.
  - Ensure that the hardware and materials used are uniform and compatible.
  - Paint welds with JTD Paint Formula No. 2.
  - Clear the ground near the gate so that the gate can swing 90° in each direction.

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**Notes**

1. Construct gates from the materials shown on fences standard drawing unless otherwise shown.
2. Alternate gate designs may be used with engineer approval.
3. Construct matching metal or wood terminal braces on both sides of the gate opening, modify the terminal brace on the hinge side of type 1A gates.
4. Ground gates that are near power transmission lines or that pass under transmission lines. Ground by connecting the hinge side of the gate to the fence or to the fence and a grounding rod. See the gate grounding details. Ensure that the gate is grounded with a flexible copper cable. Type 1 gates do not need to be grounded.
5. Construct vertical stays and horizontal braces in accordance with the gate vertical stay table and the gate horizontal brace table.
6. Gates two type 1A, type 2, or type 3 gates are used in a single opening, provide a drop rod to secure the gate.
7. On the gate location detail, when D is greater than 5' install gates at the right-of-way line. When D is greater than 5', install gates at the end of the approach construction or as otherwise directed by the engineer. If installed at the end of the approach angle and install right-of-way fence along the edge of the approach cut or fill slope.
8. Type 1 Gates:
   - A. Construct gate ends and vertical stays from a section of metal fence post or round wood post 2 3/4" to 3" in diameter. Place larger wooden stakes at the gate ends.
   - B. Attach wire loops made with a double driven 9 gauge wire or a suitable chain. Adjust the loops so that the gate is taut when closed.
   - C. Clear the ground near the gate so that the gate can swing 90° in each direction.
9. Type 1A Gates:
   - A. Use a modified metal or wood post on the hinge side, use a 4" diameter, 6'-6" long metal post or a 1" diameter, 10" long wooden post. Set the post in an 18" square or round foundation.
   - B. Ensure that hinges on gates wider than 8' have leveling threads on a 2" diameter or larger rod.
   - C. Ensure that latches are lockable.
10. Type 2 Gates:
    - A. Fabricate gate frames with 1.00" O.D. galvanized steel tubing with 0.095" wall thickness or 1" diameter galvanized pipe.
    - B. Use 12.5 gauge or heavier galvanized wire mesh.
    - C. Equip gate with an adjustable diagonal truss rod. The truss rod tightener and non-tightening end of the truss rod may be welded to the gate.
    - D. Use galvanized irongaleval steel hinges and latches.
    - E. Paint welds with JTD Paint Formula No. 2.
    - F. Clear the ground near the gate so that the gate can swing 90° in each direction.
11. Type 3 Gates:
    - A. Chain Link Fence Hardware may vary somewhat from that shown.
    - B. Paint welds with JTD Paint Formula No. 2.
    - C. Clear the ground near the gate so that the gate can swing 90° in each direction.
12. Drawing not to scale.