**GENERAL NOTES**

Pull posts shall be placed at locations determined by the Engineer. They shall be placed at 660' (200 m) intervals between posts to which the ends of the fabric are clamped or midway between such posts when the distance is less than 1320' (400 m) and greater than 660' (200 m).

X + Y shall not exceed 24' (600), 30' (750), or 36' (900), as applicable. When X is 0 - 9' (0 - 225), 15' (380), or 21' (525), then Y = 15' (375) and the post shall be shortened as required. When X exceeds 9' (225), 15' (380), or 21' (525), then Y shall be decreased correspondingly.

All dimensions are in inches (millimeters) unless otherwise shown.

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**FOOTING FOR POST IN ROCK LEDGE**

- Concrete
- Ledge
- Grout

**FOOTING FOR GATE & TERMINAL POST**

- Dia. same as regular footing.
- Dia. = post dia. + 3' (75)

**LINE POST ARRANGEMENT**

- Line post
- Gate frame
- Gate post
dia. 12' (300)

**PULL POST ARRANGEMENT**

- Terminal (pull post)
- Line post
- Brace

**LINE POST ARRANGEMENT**

- Line post
- Brace
- Stretch bar
- Fabric

**CORNER OR END POST ARRANGEMENT**

- Line post
- Brace
- Stretch bar
- Fabric

**VEHICLE GATE ARRANGEMENT**

- Line post
- Brace
- Stretch bar

**PEDESTRIAN GATE ARRANGEMENT**

- Line post
- Stretcher bar
- Tension wire

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**CHAIN LINK FENCE**

Illinois Department of Transportation

January 1, 2009

ENGINEER OF POLICY AND PROCEDURES

APPROVED

January 1, 2009

ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED

1-1-97

PASSED

DATE

REVISIONS

1-1-99

Rev. "pans" to "plans" in
LINE POST ARRANGEMENT.

STANDARD 664001-02
**CHAIN LINK FENCE**

**STANDARD 664001-02**

---

**LINE POST**

<table>
<thead>
<tr>
<th>Section</th>
<th>TERMINAL POST</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Pipe Type A 1.90 (48.3) O.D.</td>
<td>2.77 (4.05)</td>
<td>2.77 (4.05)</td>
</tr>
<tr>
<td>Pipe Type B 1.90 (48.3) O.D.</td>
<td>2.28 (3.39)</td>
<td>2.13 (3.23)</td>
</tr>
<tr>
<td>Pipe Type C 1.90 (48.3) O.D.</td>
<td>2.26 (3.38)</td>
<td>2.13 (3.23)</td>
</tr>
<tr>
<td>H 1.875x1.625 (47.6x41.3)</td>
<td>2.72 (4.05)</td>
<td>2.72 (4.05)</td>
</tr>
<tr>
<td>C</td>
<td>1.60 (2.38)</td>
<td>1.60 (2.38)</td>
</tr>
<tr>
<td>I</td>
<td>2.20 (3.22)</td>
<td>2.20 (3.22)</td>
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<tbody>
<tr>
<td>Pipe Type A 2.375 (60.3) O.D.</td>
<td>3.65 (5.03)</td>
<td>3.65 (5.03)</td>
</tr>
<tr>
<td>Pipe Type B 2.375 (60.3) O.D.</td>
<td>3.11 (4.27)</td>
<td>3.11 (4.27)</td>
</tr>
<tr>
<td>Pipe Type C 2.375 (60.3) O.D.</td>
<td>3.09 (4.26)</td>
<td>3.09 (4.26)</td>
</tr>
<tr>
<td>Roll Formed 35x35 (89.0x89.0)</td>
<td>See detail</td>
<td>See detail</td>
</tr>
<tr>
<td>Sq. Tubing 2x2x(63.5x63.5)</td>
<td>4.32 (6.43)</td>
<td>4.32 (6.43)</td>
</tr>
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**HORIZONTAL BRACES**

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<tr>
<td>Pipe Type B 1.66 (42.2) O.D.</td>
<td>2.13 (3.23)</td>
<td>2.13 (3.23)</td>
</tr>
<tr>
<td>Pipe Type C 1.66 (42.2) O.D.</td>
<td>1.82 (2.71)</td>
<td>1.82 (2.71)</td>
</tr>
<tr>
<td>H 1.3x1.5 (33.3x38.1)</td>
<td>2.25 (3.55)</td>
<td>2.25 (3.55)</td>
</tr>
<tr>
<td>Roll Formed 35x35 (89.0x89.0)</td>
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**GATE POSTS**

<table>
<thead>
<tr>
<th>Gate Opening</th>
<th>Pipe Type A</th>
<th>Pipe Type B</th>
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<tbody>
<tr>
<td>Size (O.D.)</td>
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<tr>
<td>lbs./ft.</td>
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<td>lbs./ft.</td>
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</tr>
<tr>
<td>Single</td>
<td>Double</td>
<td>Single</td>
</tr>
<tr>
<td>Up to 4 (1.2)</td>
<td>Up to 8 (2.5)</td>
<td>2.77 (40.3)</td>
</tr>
<tr>
<td>Over 4 (1.2) to 8 (2.5)</td>
<td>Over 8 (2.5) to 16 (5.0)</td>
<td>2.77 (40.3)</td>
</tr>
<tr>
<td>Over 16 (5.0) to 24 (7.4)</td>
<td>Over 2 (2.5) to 12 (3.6)</td>
<td>3.5 (59.0)</td>
</tr>
</tbody>
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**GATE FRAMES**

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**Notes:**

- The 35x35 (89.0x89.0) roll formed section as detailed may be used as gate posts for single gate up to 6' (1.8 m) and double gate up to 12' (3.6 m).
**Standard Grounds**

*Counterpoise Ground (Alternate)*

*Protective Electrical Grounds*

*Installation at Corners*

*Installation on Sides*

*Installation Over Stream*

*Installation Around Headwall*

*Installation at Headwall*

*Installation at Stream Crossing*

*Installation Around a Drainage Structure*

*Installation Around a Bridge*

*Installation Around a Culvert*

*Installation Around a Headwall*

*Installation at a Bridge Pier*

*Installation Around a Culvert at a Bridge Pier*

*Installation Around a Headwall at a Bridge Pier*

*Installation at a Stream Crossing*

*Installation Around a Drainage Structure at a Stream Crossing*

*Installation Around a Bridge at a Stream Crossing*

*Installation Around a Culvert at a Stream Crossing*

*Installation Around a Headwall at a Stream Crossing*

*Installation at a Bridge Pier at a Stream Crossing*

*Installation Around a Culvert at a Bridge Pier at a Stream Crossing*

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