## Constructed Ford - Log Structure

### Table: Geotextile Type

<table>
<thead>
<tr>
<th>Type</th>
<th>Material</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>G1</td>
<td>Non-Woven</td>
<td></td>
</tr>
<tr>
<td>G2</td>
<td>Woven</td>
<td></td>
</tr>
<tr>
<td>G3</td>
<td>Geocell</td>
<td></td>
</tr>
<tr>
<td>G4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>G5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>G6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Table: Foundation Material Type

<table>
<thead>
<tr>
<th>Type</th>
<th>Material</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>F1</td>
<td>Gravel</td>
<td>Small rocks less than 3 inches</td>
</tr>
<tr>
<td>F2</td>
<td>Paving Block</td>
<td></td>
</tr>
<tr>
<td>F3</td>
<td>Geocell</td>
<td></td>
</tr>
<tr>
<td>F4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Table: Surface Course Material Type

<table>
<thead>
<tr>
<th>Type</th>
<th>Material</th>
<th>Gradation</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1</td>
<td>Penrun</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S2</td>
<td>Aggregate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S3</td>
<td>Clay</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4</td>
<td>Woodchips</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S5</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Diagram

- **Note:**
  1. The transition and grade shall be the average of the approach grade and the trail grade to create a smooth transition.
  2. Transition tread width from ford width to typical tread width to accommodate grade transition.

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**U.S. Department of Agriculture**

**Forest Service**

**Standard Trail Plan**

**Drawing Name:** CONSTRUCTED FORD LOG STRUCTURE

**Section:** 917 - Fords

**Typical ID:** LF1

**Drawing No.:** STD_917-30-01

**Revision Date:** XX/XX/XX

**Sheet:** 1 of 2

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**Notes:**
- N/A WHEN NOT APPLICABLE
- FOR TYPICAL RETAINERS SEE SHEET STD_911-03
- FOR FOUNDATIONS SEE SECTION STD_918

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**Plan View**

- Notched Log
- Embedded Log Dam into bank a minimum depth of 12 inches.
- SEE SECTION 911 TYPICAL SECTIONS
- BED/END Full Ford Width
- 12 inches spacing (typical)
- Typical Retainer as Specified
- Install Stepping Rocks on upstream edge of tread
- Stream Bank
- Ford Width
- Backslope
- Typical Retainer**
- Retaining Length (typ)
- Approaches
- Foundation**
- Geotextile Type
- Surface Course
- Log Dam

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**General Text:**

- Typical approaches:
- % grade near far
- Size type
- Depth length
- Geotextile type
- Species type
- Size
- Stepping rock (lbs)
- Rock dam minimum length
- Comments

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**Additional Tables:**

- **Geotextile Type**
- **Foundation Material Type**
- **Surface Course Material Type**