**PROFILE & STRUCTURES**

**CONSTRUCTION JOINT DETAIL**

<table>
<thead>
<tr>
<th>STRUCTURED NO.</th>
<th>N.W.</th>
<th>ELEVATION</th>
<th>DIMENSIONS</th>
<th>CONTROL MILE</th>
<th>CHECK MILE</th>
<th>SPIKE MILE</th>
<th>STIRRUP DIMENSIONS</th>
<th>QUANTITIES</th>
<th>REMARKS</th>
</tr>
</thead>
</table>

- **ELEVATIONS**
  - Areas: A, B, C, D, E, F, G

- **CONTROL MILE**

- **CHECK MILE**

- **SPIKE MILE**

- **STIRRUP DIMENSIONS**

- **QUANTITIES**

- **REMARKS**

**APPROVED DRAIN PIPE ALTERNATES**

<table>
<thead>
<tr>
<th>TYPE OF PIPE</th>
<th>CLASS</th>
<th>REFERENCE SPECIFICATION</th>
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<td>PVC SCH 40</td>
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<tr>
<td>PVC SCH 80</td>
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<td>PVC SCH 125</td>
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**U.S. DEPARTMENT OF AGRICULTURE**

**SOIL CONSERVATION SERVICE**

Signatures and details for design and construction.

**DESIGN OF SMALL CULVERT STRUCTURES**

**REFERENCES TO CONSIDER**

- Colorado State Standard
- National Institute for Civil Engineering (NICE)
- Other relevant references.
## Structure Dimensions and Estimated Quantities of Material

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>TYPICAL SPECIFICATION</th>
<th>ESTIMATED QUANTITIES</th>
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<tbody>
<tr>
<td></td>
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<td>WALLS</td>
</tr>
<tr>
<td></td>
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<td>FLOORS</td>
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</tbody>
</table>

### Design Loads and Weights on Stilling Basin

- Channel
- Sanitary
- Ground Water
- E.P.T. - 30 psi

### Design of Stilling Basin

- U.S. Department of Agriculture
- Soil Conservation Service

### Stilling Basin Reinforcement

- For specific requirements, refer to "Design of Small Canal Structures" published by the U.S. Bureau of Reclamation.

### Estimated Quantities

- For detailed calculations and specifications, consult "Standard Dimensions and Estimated Quantities of Material."