**TABLE OF REINFORCING STEEL DIMENSIONS AND DATA**

<table>
<thead>
<tr>
<th>DESIGN W</th>
<th>0'</th>
<th>6'</th>
<th>12'</th>
<th>18'</th>
<th>24'</th>
<th>30'</th>
<th>36'</th>
<th>42'</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>8'-3&quot;</td>
<td>8'-3&quot;</td>
<td>8'-3&quot;</td>
<td>8'-3&quot;</td>
<td>8'-3&quot;</td>
<td>8'-3&quot;</td>
<td>8'-3&quot;</td>
<td>8'-3&quot;</td>
</tr>
<tr>
<td>B</td>
<td>5'-6&quot;</td>
<td>5'-6&quot;</td>
<td>5'-6&quot;</td>
<td>5'-6&quot;</td>
<td>5'-6&quot;</td>
<td>5'-6&quot;</td>
<td>5'-6&quot;</td>
<td>5'-6&quot;</td>
</tr>
<tr>
<td>C</td>
<td>2'-3&quot;</td>
<td>2'-3&quot;</td>
<td>3'-0&quot;</td>
<td>3'-0&quot;</td>
<td>3'-0&quot;</td>
<td>3'-0&quot;</td>
<td>3'-0&quot;</td>
<td>3'-0&quot;</td>
</tr>
<tr>
<td>D</td>
<td>1'-0&quot;</td>
<td>1'-0&quot;</td>
<td>1'-0&quot;</td>
<td>1'-0&quot;</td>
<td>1'-0&quot;</td>
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<td>1'-0&quot;</td>
</tr>
</tbody>
</table>

**Strength V**

- EQD: $f_y = 60,000$ psi
- B: 1.25 or 0.90, whichever Controls Design

**Service I**

- EQD: 1.00 DC + 1.00 EV + 1.00 EH + 1.00 EQD + 1.00 EQE
- LS: 1.00 DC + 1.00 EV + 1.00 EH + 1.00 LS + 0.30 WS
- H: $f_y = 0.0$ PSI

**Notes:**

1. All piles are class 90 concrete piles.
2. Pile batter shown are 1:12.
3. Minimum distance between center of pile and edge of footing is 1'-6".
4. Load combinations and limit states:
   - 40 kips for strength limit states
   - 60 kips for service limit states
   - Pile group reduction factors are not applied, unless soil passive resistance on footing is included.
5. Maximum spacing between piles is shown in the table. Reduce to suit the length of footing.
6. Minimum distance between any two piles is 3'-0". Reduce to suit the length of footing.
7. For sound wall and retaining wall architectural finish or texture, see details elsewhere in Project Plans.
8. For details not shown and drainage notes, see Appendix.
9. Footing cover, 1'-6" minimum.
10. For sound wall and reinforcement, see "SOUND WALL - MASONRY BLOCK ON RETAINING WALL" sheets.

**Design Data**

- Weight: 5040 LbF
- Design: 150 mph
- Code: AASHTO LRFD Bridge Design Specifications, 4th Edition with California Amendments
- Soil: Class C
- Foundation: 120 psi
- Reinforced Concrete: 3,600 psi
- Live Load: 60,000 psi

**Legend:**

- B: Bars
- S: Sound Wall
- R: Retaining Wall
- N: Footing
- H: Head
- W: Wall
- T: Top
- B: Bottom

**Elevation Notes:**

- "n" and "b" at bars indicate distance from top or footing to upper and lower bars, see table.
- D: 2 for bundle

**State of California Department of Transportation**

**Division of Engineering Services**

**Retaining Wall Type 156-Details No. 1**