**NOTES:**

1. Clearance to reinforcing steel in concrete barrier to be 1".
2. Not all barrier reinforcement shown.
3. No expansion joints in concrete barrier or barrier slab within wall limits.
4. Specific concrete barrier to be used is shown elsewhere in Project Plans.
5. Sound Wall not permitted on MSE walls unless supported by a CIDH pile foundation. See NEC 302.4(E) and AASHTO LRFD Bridge Design Specifications 4th Edition with California Amendments.
6. Install cable railing or chain link railing when indicated in Project Plans. Refer to Second Edition Plans B11-7 and B11-47 for anchorage details to top of concrete barrier.
7. Minimum slab length 40 ft.
8. Maximum slab length 100 ft.
10. Minimum thickness 6".
11. Maximum thickness 80".
12. Concrete barrier slab to be 1" thick.

**CONCRETE BARRIER SLAB DIMENSIONS**

<table>
<thead>
<tr>
<th>DESIGN &quot;W&quot; OF SOUND WALL</th>
<th>NO.</th>
<th>DESIGN &quot;W&quot; OF BARRIER</th>
<th>NO.</th>
<th>DESIGN &quot;W&quot; OF WALL</th>
<th>NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;W&quot;</td>
<td>&quot;T&quot;</td>
<td>&quot;W&quot;</td>
<td>&quot;D&quot;</td>
<td>&quot;W&quot;</td>
<td>&quot;O&quot;</td>
</tr>
<tr>
<td>12'-0&quot;</td>
<td>1'-0&quot;</td>
<td>2'-0&quot;</td>
<td>4'-0&quot;</td>
<td>6'-0&quot;</td>
<td>8'-0&quot;</td>
</tr>
</tbody>
</table>

**CONCRETE BARRIER SLAB DETAILS**

**NOTES:**

- 2" Min Expanded Polystyrene
- 1" Expanded Polystyrene on MSE and concrete stem walls, see SECTION A-A for Soldier PIle Walls
- Contact joint
- 4" wide paving reinforcing fabric
- Indicates bundled bars

**SOUND WALL DESIGN Data**

<table>
<thead>
<tr>
<th>BARRIER SLAB DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;W&quot; = 2'0&quot;</td>
</tr>
<tr>
<td>&quot;T&quot; = 1'0&quot;</td>
</tr>
<tr>
<td>&quot;W&quot; = 2'0&quot;</td>
</tr>
<tr>
<td>&quot;D&quot; = 4'0&quot;</td>
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<tr>
<td>&quot;W&quot; = 6'0&quot;</td>
</tr>
<tr>
<td>&quot;O&quot; = 8'0&quot;</td>
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</tbody>
</table>

**OPTIONAL SOUND WALL**

- See NOTES 4 & 5

- Architectural Treatment 2" Max (Optional)

- Concrete Barrier Type: Type 736S (See Notes 4 & 5)

- Steel Soldier Pile

- Lagging Type

- Steel Soldier Pile

- Lagging Type

- See Note 2

- Soldier Pile Wall (4 & 5)

- See Notes

- Sound Wall Optional

- Architectural Treatment 2" Max (Optional)

- Reinforced Concrete

- Earth Retaining System (See Structure Plans)

- Soldier Pile Wall (4 & 5)

- See Notes

- Sound Wall Optional

- Architectural Treatment 2" Max (Optional)

- Reinforced Concrete

- Earth Retaining System (See Structure Plans)