Place concrete in toe, against undisturbed material, except as permitted by the Engineer.

**Design Notes:**
1. For details not shown and drainage notes see B3-3.
2. For wall stem joint details see B3-3 and B3-4.
3. For details not shown and drainage notes see B3-5.

**Design Conditions:**
Design H may be exceeded by 6" before going to the next size. Special footing design is required where foundation material is incapable of supporting footing stress listed in table.

**Design Notes:**
1. For details not shown and drainage notes see B3-3.
2. For wall stem joint details see B3-3 and B3-4.
3. For details not shown and drainage notes see B3-5.

**Symbols:**
- Ser - service limit state
- Str - strength limit state
- B' - effective footing width (ft)
- \( q \) - gross uniform bearing stress (ksf)
- \( q' \) - net bearing stress (ksf)
- \( B' \) - effective footing width (ft)
- \( c \) - bearing stress listed in table.

**Table of Reinforcing Steel, Dimensions and Data**

<table>
<thead>
<tr>
<th>Design H</th>
<th>Str: B', q</th>
<th>Ser: B', q</th>
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**State of California Department of Transportation**

**Retaining Wall Type 1A**

**NO SCALE**

**State of California Department of Transportation**