KEYWAY & WALL JOINT DETAIL (TOP VIEW)

TYPICAL SECTION C-I-P CONCRETE GRAVITY WALL

ESTIMATED QUANTITIES FOR C-I-P WALL

<table>
<thead>
<tr>
<th>HEIGHT (FT.)</th>
<th>CLASS NS CONCRETE (CY)</th>
<th>REIN. STEEL &amp; DRAIN HOLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1'</td>
<td>0.08</td>
<td>0.11 (0.20*)</td>
</tr>
<tr>
<td>2'</td>
<td>0.14</td>
<td>0.20 (0.32*)</td>
</tr>
<tr>
<td>3'</td>
<td>0.22</td>
<td>0.22 (0.47*)</td>
</tr>
<tr>
<td>4'</td>
<td>0.32</td>
<td>0.47 (0.65*)</td>
</tr>
<tr>
<td>5'</td>
<td>0.43</td>
<td>0.65 (0.89*)</td>
</tr>
</tbody>
</table>

NOTE: For Scheme 3 assumes 1'-3" thick concrete gravity wall.

GENERAL NOTES

1. C-I-P Gravity Walls constructed as extensions of reinforced concrete retaining walls. For schemes of proprietary designs, shall have the same face texture and finish as the reinforced concrete retaining wall.

2. Concrete for Gravity Wall shall be Class NS per Section 347. Concrete for Scheme 3 Junction Slab and Traffic Railing shall be Class II per Section 346, unless otherwise specified in the plans.

3. Reinforced soil shall meet the requirements of Specification Section 931 (Grade 40 or 60). Smooth or Deformed Welded Wire Reinforcement (WWR) may be substituted on an equal area basis. Do not increase bar/wire spacing for Grade 60 reinforcing steel or WWR.

4. When required, for adjacent guide rail, see Index No. 670 or 880 as appropriate. For adjacent Type B fence see Index No. 802.

5. Joint seal to be two layers of 30# smooth paper or Type D-5 geotextile fabric in accordance with Specification Section 985. Map all contact surfaces of concrete and reinforcing paper or geotextile fabric with cut-back asphalt. Stop roofing paper or geotextile fabric 6" below top of wall.

6. Provide a continuous 1" clean gravel or crushed rock drain for wall heights > 2'-0" and higher. Wrap drainage layer as shown, with Type D-3 geotextile fabric in accordance with Specification Section 985. Provide a galvanized mesh with 1/2" openings, at the inside end of the PVC drain pipe. Provide 2' x PVC drain pipe (Sch. 40) at 10 ft. max spacing (when drainage layer is required). Locate outermost edge of drain pipe a minimum of 2'-0" from wall joints.

7. For reinforcing steel, face texture, finish, joint seal, drain pipes, drainage layer, galvanized mesh and geotextile fabric to be included in the Contract Unit Price for Concrete Class NS, Gravity Wall. Cost of concrete for Scheme 3, to be included in Contract Unit Price for Concrete Gravity Wall Barrier with Junction Slab. Adjunct railings or fences to be paid for separately.

ESTIMATED QUANTITIES NOTES:

- Quantity for Scheme 3 assumes 1'-3" thick concrete gravity wall.
- Quantity for Scheme 3 assumes 1'-3" thick concrete gravity wall.

BILLOF REINFORCING STEEL

<table>
<thead>
<tr>
<th>MARK</th>
<th>SIZE</th>
<th>LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>As Req'd</td>
<td>4</td>
</tr>
<tr>
<td>4</td>
<td>As Req'd</td>
<td>0</td>
</tr>
</tbody>
</table>

BAR BENDING DIAGRAM

SCHEME 1

(No Traffic Loading Effects & Upper Slopes ≤ 11½)

1'-0" Min. to SHW
(Except for slopes steeper than 1/2 with wall heights > 3', then 2'-0" Min.)

SCHEME 2

(With Traffic Loading or Upper Slopes > 11½)

1'-0" Min. to SHW

1'-0" For Slopes ≤ 1:1½
2'-0" For Slopes > 1:1½

SCHEME 3

(With Traffic Railing)

1'-0" For Wall Height ≤ 2'-0" For Wall Height > 2'-0"

TRAFFIC RAILING INDEX No. 420, 32" T-Shape shown, see Plans for Traffic Railing type.

JUNCTION SLAB INDEX Series 6100

NOTES:

1. All bar dimensions are out to out.
2. Lap splices for Bars A must be a minimum of 1'-6".