Figure 6A.A.1 Abutment Layout Detailing Example 1
Figure 6A.2 Abutment Details Detailing Example 2
Figure 6A.A.4 Abutment Details Detailing Example 4
Figure 6A.A.6 Abutment Layout Detailing Example 6
Figure 6A.7 Abutment Layout Detailing Example 7
Figure 6A.A.8 Abutment Layout Detailing Example 8

NOTES:
1. For "SECTION E-1", "SECTION F-1", and "SECTION G-1", see "ABUTMENT B DETAILS NO. 1 sheet."
2. For "BEARING PAD DETAILS", see "ABUTMENT B DETAILS NO. 1 sheet."
3. For "ABUTMENT B DETAILING", see "ABUTMENT B DETAILS NO. 1 sheet."
4. For "ABUTMENT B DETAILING", see "ABUTMENT B DETAILS NO. 1 sheet."
5. Utility conduit shown shall be located within structure approach. See "ABUTMENT B DETAILING" for details.

END DETAIL B AT OR ABUT WALL 34'-9.5" T THE "A" LINE

NOTE: To other current drafting standards, see "ABUTMENT B DETAILS NO. 1 sheet."

ABUTMENT DETAILING EXAMPLES – ATTACHMENT A
Figure 6A.A.11 Abutment Retaining Wall Layout Detailing Example 11
Figure 6A.A.12 Abutment Retaining Wall Details Detailing Example 12

<table>
<thead>
<tr>
<th>DESIGN</th>
<th>24'</th>
<th>30'</th>
<th>36'</th>
<th>42'</th>
<th>48'</th>
<th>60'</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>15'-0&quot;</td>
<td>14'-0&quot;</td>
<td>11'-3&quot;</td>
<td>10'-6&quot;</td>
<td>9'-9&quot;</td>
<td>9'-0&quot;</td>
</tr>
<tr>
<td>C</td>
<td>5'-0&quot;</td>
<td>5'-0&quot;</td>
<td>4'-3&quot;</td>
<td>3'-6&quot;</td>
<td>3'-0&quot;</td>
<td>2'-6&quot;</td>
</tr>
<tr>
<td>B</td>
<td>10'-6&quot;</td>
<td>9'-0&quot;</td>
<td>8'-3&quot;</td>
<td>7'-0&quot;</td>
<td>6'-0&quot;</td>
<td>5'-0&quot;</td>
</tr>
<tr>
<td>F</td>
<td>3'-0&quot;</td>
<td>3'-0&quot;</td>
<td>2'-6&quot;</td>
<td>2'-0&quot;</td>
<td>2'-0&quot;</td>
<td>2'-0&quot;</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PILES</td>
<td>6-46</td>
<td>6-46</td>
<td>10-41</td>
<td>10-46</td>
<td>10-46</td>
<td>10-46</td>
</tr>
<tr>
<td>2-10</td>
<td>4-45</td>
<td>4-45</td>
<td>5-46</td>
<td>6-46</td>
<td>6-46</td>
<td>6-46</td>
</tr>
</tbody>
</table>

NOTES:
1. Reinforcement shown is to be placed in addition to that shown for spread footing on Standard Plan 63-1A.
2. reinforcement shown is to be placed in addition to that shown for spread footing on Standard Plan 63-1A.
3. All piles not shown, see pile layout on "ABUTMENT & RETAINING WALL DETAILS No. 1" and "ABUTMENT & RETAINING WALL DETAILS No. 2" sheets.
4. Main pile reinforcement shall be extended to top of footing reinforcement for design h ≤ 20'

PILE FOOTING DETAIL
NO SCALE
Figure 6A.A.13 Abutment Layout Detailing Example 13

NOTES:
1. Backfill shall be placed simultaneously behind and in front of each abutment up to the level of finished grade at the front face of abutment. Adequate bracing shall be provided to prevent any movement of the abutment. The foundations shall be sufficient to resist longitudinal uplift or differential settlement of the deck. During the backfill operation, the difference in fill height between each abutment shall not vary by more than 2'-0".
2. For 'SECTION B-B', DETAIL K, "STEEL PILE ANCHOR" detail and "WEEP HOLE AND DECOMPOSIRE DRAIN" alternative, see 'ABUTMENT DETAIL' sheet.

* Epoxy-coated reinforcement
Figure 6A.A.14 Abutment Details Detailing Example 14

**WALL SECTION**

**SECTION A-A**

**DETAIL A**

- Filter fabric wrap around bond filter fabric deconstruction drain
- Filter fabric does not extend beyond end of abutment cut hole for 3 & pipe

**DETAIL B**

Notes:
1. All drained or intermediate lap joints and PVC membrane to center. Exposed pipe joints will be insulated to above finished ground.
2. PVC membrane joints will be treated with butyl sealant. Fabric joint will be deconstructed and welded to butyl sealant. PVC joints will be a minimum of 12" long. Use "C" fitting connection or equivalent for each pipe joint.

**BEETLE HOLES AND DECOMPOSITE DRAIN DETAIL**

**DETAIL C**

Notes:
1. For location of "SECTION B-B" and "DETAIL X", see "ABUTMENT LAYOUT" sheet.
2. Epoxy-coated reinforcement.

**SECTION B-B**

**DETAIL X**
Figure 6A.15 Abutment Layout Detailing Example 15
Figure 6A.A.18 Abutment Layout Detailing Example 18
Figure 6A.A.18 Abutment Details Detailing Example 19