ALL DIMENSIONS ARE OUT TO OUT ALL BENDS ARE 2" (IN RADIUS) VARY 5 1/2" TO 21 1/2"

BAR LIST

<table>
<thead>
<tr>
<th>MARK NO.</th>
<th>LOCATION</th>
<th>SIZE</th>
<th>QUANTITY</th>
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<tbody>
<tr>
<td>1</td>
<td>BARRIER - TOP VERTICAL</td>
<td>#4</td>
<td>28</td>
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<tr>
<td>2</td>
<td>BARRIER - BOTTOM VERTICAL</td>
<td>#4</td>
<td>12</td>
</tr>
<tr>
<td>3</td>
<td>FOUNDATION</td>
<td>#5</td>
<td>9</td>
</tr>
<tr>
<td>4</td>
<td>FOUNDATION</td>
<td>#5</td>
<td>32</td>
</tr>
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</table>

ELEVATION

SECTION A

ALL BENDS ARE 2"
ALL DIMENSIONS ARE OUT TO OUT
TO 21 1/2" VARIIES 5 1/2"

SECTION B

NOTES

1. This Barrier/Foundation combination has been designed in accordance with AASHTO LRFD Test Level 4 requirements. The horizontal vehicle impact force at the top of the barrier is taken at 54 kips for Strength and Extreme Limit States, and 10 kips for footing stability (turnovering and sliding) in the Service Limit State.

2. When connecting between cast-in-place and precast Single-Slope Barrier, provide a Connection Blockout and Rebar Grid as shown on Standard Plan C-70.10.

3. Grounding conductor shall be non-insulated #4 AWG stranded copper; provide 3'-0" min. slack. Clamp steel reinforcing bar with connector suitable for use embedded in concrete.

4. See the Contract Plans for conduit placement.

5. Install Conduit Coupling flush with top of foundation. Do not glue PVC stubout.

6. This plan shall be used for 40' (ft) and 50' (ft) Light Standards with 16' (ft) max. length double mast arms.

7. Concrete shall be Class 4000.

8. The factored soil bearing resistance shall equal or exceed the following:
   i) Service limit state = 6 ksf
   ii) Strength limit state = 24 ksf
   iii) Extreme limit state = 48 ksf

PLAN VIEW

ANCHOR BOLT LAYOUT DETAIL

(SEE NOTE 4)

TABLE

<table>
<thead>
<tr>
<th>GRADE SEPARATION</th>
<th>BARRIER HEIGHT</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>Q</th>
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<td>0 TO 3&quot;</td>
<td>6 - 0&quot;</td>
<td>0.118</td>
<td>2 - 2 1/4&quot;</td>
<td>3 - 6 1/4&quot;</td>
<td>VARIES 8&quot; TO 9&quot;</td>
<td>5</td>
<td>1&quot; - 2&quot;</td>
<td>14</td>
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<td>UP TO 6&quot; MAX</td>
<td>6 - 6&quot;</td>
<td>10.14</td>
<td>2 - 4 1/2&quot;</td>
<td>3 - 8 1/2&quot;</td>
<td>VARIES 8&quot; TO 9&quot;</td>
<td>5</td>
<td>11&quot;</td>
<td>14</td>
</tr>
</tbody>
</table>

ANCHOR BOLT (TYP.)

(SEE NOTE 5)

3/4" CHAMFER (TYP.)

(SEE NOTE 3)

STEEL LIGHT STANDARD - SEE STANDARD PLAN J-28.60

ANCHOR PLATE (TYP.) - SEE STANDARD PLAN J-28.60

GROUNDING STUD (SEE NOTE 3)

CONSTRUCTION JOINT WITH ROUGHENED SURFACE

STATE DESIGN ENGINEER

Aug 27, 2021

STATE DESIGN ENGINEER

Aug 27, 2021

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION

SINGLE-SLOPE CONCRETE BARRIER (42") LIGHT STANDARD FOUNDATION

STANDARD PLAN C-85.15-02

APPROVED FOR PUBLICATION

SHEET 1 OF 1 SHEET