PLAN

City of Redwood City

Engineering and Transportation

Above Ground Combination Air/Vacuum Release Valve

Date: 11/25/19

1. Corporation Valve (CCxMP) Mueller B-2896 and Quarter Bend (110CTSx110CTS) Mueller H-15533, or Approved Equal.
2. Quarter Bend (110CTSx110CTS) Mueller H-15526, or Approved Equal.
3. Class 250 Polyethylene Tubing, PE/HDPE 4710, ASTM D-2737, See Table Below for Sizing.
4. PVC Pipe Sleeve
5. 6" Thick Class A Concrete Pad (Provide Slope to Drain Port)
6. Drain Port at Low Point
7. Straight Service Valve Mueller B-20200, or Approved Equal.
8. Threaded Bronze Nipple Model 85-5-5-5.
9. 1" or 2" x 3/4" FIP Bronze Tee

Variety (Locate ARV Under Landscape Seat or Back of Sidewalk)

Tracer Wire shall be long enough to extend 2' above the base of the enclosure.

Curb, Gutter, and Sidewalk

Connect Tracing Wire to Main Wire with Split Wire Nut.

Details:

- PVC Material
- Not to Scale

Table:

<table>
<thead>
<tr>
<th>Water Main Size</th>
<th>Valve Model</th>
<th>Air Enclosure</th>
<th>Dimension Dia</th>
<th>Pad Size</th>
<th>Pipe</th>
<th>Curb Valve</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot; - 10&quot;</td>
<td>CLA-VAL</td>
<td>PIPELINE PRODUCTS VCA-1830</td>
<td>18&quot; x 30&quot;</td>
<td>24&quot; x 24&quot;</td>
<td>1&quot;</td>
<td>1&quot; Mueller H-15428</td>
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<tr>
<td>12&quot; or 1/2&quot;</td>
<td>CLA-VAL</td>
<td>PIPELINE PRODUCTS VCA-1830</td>
<td>18&quot; x 36&quot;</td>
<td>24&quot; x 24&quot;</td>
<td>2&quot;</td>
<td>2&quot; Mueller H-15428</td>
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</table>

NOTE: ARV size shall be approved by City Engineer on main lines exceeding 5% slope.

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Standard Detail

W - 6

PVC