**STORMVAULT BIOFILTRATION (SVBF)**

**HYDRAULICS**

SEE MATERIALS NOTE 13

**STORM WATER QUALITY DESIGN FLOW (SQDF)**

XX.X-CFS

**TREATMENT**

<table>
<thead>
<tr>
<th>BIO SOIL FILTRATION MEDIA</th>
<th>PUBLIC DOMAIN BIO SOIL MEDIA*</th>
<th>JENSEN'S SIERRA BLEND **</th>
</tr>
</thead>
<tbody>
<tr>
<td>STREET TYP.</td>
<td>10-15'/H</td>
<td>193-35'/H</td>
</tr>
<tr>
<td>TEST FLOW RATE</td>
<td>0.1-GPM/FT²</td>
<td>2-GPM/FT²</td>
</tr>
<tr>
<td>MODEL SVBF-TB 6X</td>
<td>2.0-CFS</td>
<td>0.111-CFS</td>
</tr>
<tr>
<td>PEAK TREATMENT FLOW RATE</td>
<td>2.5-GPM</td>
<td>50-GPM</td>
</tr>
</tbody>
</table>

**HYDRAULIC SURFACE**

0.1 -GPM/FT²  - 2-GPM/FT²

**TREATMENT FLOW RATE**

BIORETENTION & INFILTRATION

**TREAT THE SQDF**

1. CONTRACTOR VERIFY DIMENSIONS AND FIELD PRIOR TO INSTALLATION.
2. CONCRETE MINIMUM STRENGTH - 28 psi
3. THE PORTLAND CEMENT USED IN THE PRECAST SECTION SHALL MEET THE REQUIREMENTS OF TYPE III/ V HIGH RESISTANT CEMENT IN ACCORDANCE WITH ASTM C1150
4. VALVE SECTIONS DESIGNED AND MANUFACTURED IN ACCORDANCE WITH ASTM C307 & C308.
5. ALL PRECAST CONCRETE COMPONENTS TO BE MANUFACTURED IN AN MPA CERTIFIED PLANT.
6. IF REQUIRED, JENSEN WILL FURNISH VAULT WITH FIXED-APPLIED WATERPROOFING AROUND ENTIRE INSIDE SURFACE OF RUFF.
7. BRIDGING STONE SHALL BE CLEAN, WASHED.
8. ALL PVC PIPES SHALL CONFORM TO ASTM D 2840 (SDR 35) PIPE.
9. GROUNDWATER ELEVATION IS ASSESSED TO BE BELOW THE BOTTOM OF PRECAST STRUCTURE. CONTACT JENSEN STORMWATER SYSTEMS FOR HIGH-GROUNDWATER CONDITIONS.
11. FOR COMPLETE DESIGN AND PRODUCT INFORMATION, CONTACT JENSEN STORMWATER SYSTEMS.
12. ALL CONCRETE COMPONENTS SHALL INSPECTED, DIMENSIONED, AND JOINT ORIENTATIONS MAY VARY ACROSS JENSEN PRECAST MANUFACTURING FACILITIES.