**HYDRAULICS**

**STORMWATER QUALITY DESIGN FLOW (SVBF)**

**TREATMENT**

<table>
<thead>
<tr>
<th>BIO SOL MEDIA</th>
<th>PUBLIC DOMAIN BIO SOL MEDIA*</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 INCHES</td>
<td>153 INCHES</td>
</tr>
<tr>
<td>0.1 GPM/FT²</td>
<td>2 GPM/FT²</td>
</tr>
</tbody>
</table>

**MODEL**

<table>
<thead>
<tr>
<th>SVBF-TW 6X</th>
<th>0.111 CF</th>
<th>0.214 CF</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.8 GPM</td>
<td>10 GPM</td>
<td></td>
</tr>
</tbody>
</table>

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**CONSTRUCTION & INSTALLATION NOTES**

1. CONTRACTOR TO PROVIDE JENSEN STORMVAULT BIOFiltration system using JENSEN STORMVAULT BIOFiltration system# to treat the entire storm. At a rate of 20,000 GPD when specified public domain bio Sol media.

2. CAPTURED WATER QUALITY CONSTITUENTS:

   - TOTAL SULPHUR: (50,000 PPM)
   - PHOSPHORUS
   - TOTAL AND DISSOLVED COPPER
   - TOTAL AND DISSOLVED ZINC
   - COAL AS REQUIRED

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**STORMVAULT BIOFILTRATION (SVBF)**

**CONSTRUCTION**

- ALL DIMENSIONS ARE IN INCHES.
- CONCRETE USED IS READY-MIX WITH MINIMUM 3000 PSI.
- ALL PRECAST CONCRETE COMPONENTS TO BE MANUFACTURED BY AN MEA CERTIFIED PLANT.
- ALL PVC PIPE SHALL CONFORM TO AASHTO A2100 (S&D) PIPE.
- SVBF-TW 6X8 WALLS ARE MANUFACTURED USING MEA CERTIFIED PLANT.
- ALL CONCRETE COMPONENT THICKNESSES, DIMENSIONS, AND JOINT ORIENTATIONS MAY VARY ACROSS JENSEN PRECAST MFG'S MANUFACTURING FACILITIES.

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**MATERIALS & DESIGN PARAMETERS**

- **ALL MATERIALS ARE IN STOCK IN A 3" DEPTH OF RIPRAPH/MULCH.**
- **3" DEPTH OF BRIDGING STONE ABOVE UNDERDRAIN.**
- **8" OF CYKOLAR BEYOND STORMWATER BOX.**
- **PIPING BY KOR - TREE GRATE.**
- **ASTM C923, MEA CERTIFIED PLANT.**
- **LEAK DETECTION & LOCATION SERVICES.**
- **CONCRETE USED IS READY-MIX WITH MINIMUM 3000 PSI.**
- **ALL PVC PIPE SHALL CONFORM TO AASHTO A2100 (S&D) PIPE.**
- **CONTACT JENSEN STORMWATER SYSTEMS FOR FIELD GROUNDWATER CONDITIONS.**
- **CONTACT JENSEN STORMWATER SYSTEMS FOR FIELD GROUNDWATER CONDITIONS.**

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**STORMWATER BIOFILTRATION TREE WELL (TW) MODEL: SVBF-TW 6X8**

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**PROJECT NAME**

521 DUNN CIRCLE, SPARKS, NV 89431
www.jensenwatersources.com
(855) 448-5800

**T. Schmaling**

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**NOTE**

1. **JENSEN STORMVAULT BIOFiltration system# DESIGNED AND PRODUCED TO TREAT THE ENTIRE QB.**
2. **JENSEN B50 STORMVAULT BIOFiltration system# TREATED TO TREAT THE UNDER QB AT A RATE OF 20,000 GPD WHEN SPECIFIED PUBLIC DOMAIN BIO SOL MEDIA.**
3. **JENSEN STORMVAULT BIOFiltration system# DESIGNED AND PRODUCED TO TREAT THE ENTIRE QB.**
4. **JENSEN STORMVAULT BIOFiltration system# INSTALLATION TREATED TO TREAT THE UNDER QB AT A RATE OF 20,000 GPD WHEN SPECIFIED PUBLIC DOMAIN BIO SOL MEDIA.**
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