**STORMVAULT BIOFILTRATION (SVBF)**

**CONFIGURATION: TREE BOX (-TB)**

**MODEL: SVBF-TB 8X8**

**HYDRAULICS**

<table>
<thead>
<tr>
<th>STORMWATER QUALITY DESIGN FLOW (SQDF)</th>
<th>x.x.x-CFS</th>
</tr>
</thead>
<tbody>
<tr>
<td>STORM DRAIN DESIGN-CARRYAWAY FLOW</td>
<td>x.x.x-CFS</td>
</tr>
</tbody>
</table>

**RETURN FREQUENCY / PERIOD OF PEAK DESIGN-CARRYAWAY FLOW**

| 193-36x/46 | 2-GPM/97 |

**TREATMENT**

<table>
<thead>
<tr>
<th>BIO SOLS FILTRATION MEDIA</th>
<th>PUBLIC DOMAIN BIO SOL MEDIA*</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-1/4x/46</td>
<td>193-36x/46</td>
</tr>
</tbody>
</table>

| 0.1-GPM/97 | 0.285-CFS |
| 2-GPM/97    | 6.4-GPM   |

**NOTE 9**

JENSEN STORMWATER BIOFILTRATION (JWFP) DESIGNED AND SIZED TO TREAT THE ENTIRE SQDF.

A RATE OF 36 INCHES/HR WHEN USING JENSEN'S ENGINEERED NORMAL BLEND BIO SOL MEDIA.

**NOTE 8**

CONSTRUCTION & INSTALLATION NOTES

1. CONTRACTOR TO VERIFY ALL DIMENSIONS AND ELEVATIONS IN FIELD PRIOR TO INSTALLATION.
2. THE CONNECTION BETWEEN THE INTERNAL DRAIN RINGING OF THE SVBF SHALL BE MADE USING CONNECTIONS CONFORMING TO ASTM C261, AS MADE BY KORB-B, SEAL, A-LCD, OR APPROVED EQUAL AND SHALL BE WATERPROOF.
3. CONTRACTOR MAY ALSO INSTALL SCHWIMMER FLASHING CONFORMING TO ASTM C261, AS MADE BY KORB-B, SEAL, A-LCD, OR APPROVED EQUAL AND SHALL BE WATERPROOF.
4. CONTRACTOR TO PROVIDE FIELD POUR OF CURB TO THE GUTTER SURFACES GIVEN ON THE SITE DRAWINGS AS NECESSARY.
5. THE CONNECTION BETWEEN THE STORM DRAIN LINE AND THE SVBF SHALL BE MADE USING A RESIDENT CONNECTOR CONFORMING TO ASTM C261, AS MADE BY KORB-B, SEAL, A-LCD, OR APPROVED EQUAL AND SHALL BE WATERPROOF.
6. VEGETATION, FOUNDATION, SURFACE, AND BACKFILL TO BE LOCATED AS NEEDED FOR INSTALLATION.
7. SVBF CAN BE RECONFIGURED AS AN EPPS FOR SMALL AREA SYSTEM TO RECEIVE SURFACE FLOW FROM REVISED SMALL ELEVATING TOP 3/4" AND TREE GRATE.
8. SVBF CAN BE RECONFIGURED FROM REVISED SMALL SYSTEMS TO RECEIVE SURFACE FLOW FROM REVISED SMALL ELEVATING TOP 3/4" AND TREE GRATE.
9. GROUNDWATER ELEVATION IS ASSUMED TO BE BELOW THE BOTTOM OF PRECAST STRUCTURE. CONTACT JENSEN STORMWATER SYSTEMS FOR SPECIFIC WATER CONDITIONS.
11. FOR COMPLETE DESIGN AND PRODUCT INFORMATION, CONTACT JENSEN STORMWATER SYSTEMS.
12. JENSEN STORMWATER SYSTEMS PROVIDE THE FOLLOWING MATERIALS AS SHOWN, UNLESS OTHERWISE NOTED.
13. TREE GRATES TYPICALLY AVAILABLE IN 36" X 36" X 8" X 8" OTHER GRATE SIZES AVAILABLE UPON REQUEST.
14. ALL CONCRETE COMPONENT THICKNESS, DIMENSIONS, AND JOINT ORIENTATIONS MAY VARY ACROSS JENSEN PRECAST MANUFACTURING FACILITIES.

**MATERIALS & DESIGN PARAMETERS**

1. ALL DIMENSIONS ARE IN DECIMAL INCHES.
2. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH F'c = 3,000 psi at 28 DAYS.
3. THE PORTLAND CEMENT USED IN THE PRECAST SECTION SHALL MEET THE REQUIREMENTS OF TYPE I/II HIGH STRENGTH REINFORCEMENT CONCRETE IN ACCORDANCE WITH ASTM C 150.
4. VALVE SECTIONS DESIGNED AND MANUFACTURED IN ACCORDANCE WITH ASTM C150 AND CSA B16.11.
5. ALL PRECAST CONCRETE COMPONENTS TO BE MANUFACTURED IN AN MPCA CERTIFIED PLANT.
6. IF REQUIRED, JENSEN WILL FURNISH VALVE WITH FIELD-APPLIED WATERPROOFING COATING AROUND ENTIRE INSIDE SURFACE OF SVBF.
7. BRICKING STONE SHALL BE CLEAN, WASHED.
8. SVBF CAN BE RECONFIGURED AS AN EPPS FOR SMALL AREA SYSTEM TO RECEIVE SURFACE FLOW FROM REVISED SMALL ELEVATING TOP 3/4" AND TREE GRATE.
9. GROUNDWATER ELEVATION IS ASSUMED TO BE BELOW THE BOTTOM OF PRECAST STRUCTURE. CONTACT JENSEN STORMWATER SYSTEMS FOR SPECIFIC WATER CONDITIONS.
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