**JENSEN STORMVAULT BIOFILTRATION SVBF-TW** **SHALLOW TRENCH** **STORMWATER TREATMENT** **TYPICAL CROSS SECTIONS**

1. ALL DRAWINGS ARE TO SCALE AND ARE TO BE USED AS A DESIGN TOOL ONLY. AS BUILT CONSTRUCTION, ADJUSTMENTS, AND ERRORS MAY OCCUR.

2. ALL DIMENSIONS ARE ALTHOUGH MEASURED TO SCALE AND SHOWN TO SCALE. THEY ARE TO BE USED AS A DESIGN TOOL ONLY. AS BUILT CONSTRUCTION, ADJUSTMENTS, AND ERRORS MAY OCCUR.

3. SYSTEM DESIGN OF THIS MATERIAL HAS BEEN PROVIDED TO JENSEN PRECAST. OTHERS ARE RESPONSIBLE FOR VERIFICATION THAT SYSTEM MEETS INTENDED APPLICATION.

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**STORMVAULT BIOFILTRATION (SVBF) CONFIGURATION: TREE WELL (TW) MODEL: SVBF-TW 6X15**

**HYDRAULICS**

| Stormwater Quality Design Flow (SQDF) | XX X-CFS |
| Storm Drain Design Conveyance Flow | XX X-CFS |
| Return Inundation / Period of Peak Design Conveyance Flow | XX X-FRS |

**TREATMENT**

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<tr>
<th>Bio Filter Media</th>
<th>SSD Filter Media</th>
<th>SSD Filter Media</th>
<th>JENSEN'S BLEND **</th>
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<td>50% SSD Media</td>
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<td>0.5 GPM / FT²</td>
<td>0.0 GPM / FT²</td>
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**CONSTRUCTION & INSTALLATION NOTES**

1. Contractor to verify all dimensions and elevations in field prior to installation.
2. System design criteria has been provided to Jensen Precast. Others are responsible for verification that system meets intended application.
3. All materials are shown typically. Specifications are subject to change and may vary across Jensen Precast’s manufacturing facilities. Contractor to confirm all thicknesses, dimensions, and joint orientations prior to installation.

**MATERIALS & DESIGN PARAMETERS**

1. All dimensions are given in decimal inches.
2. Concrete shall have a minimum compressive strength of 5,000psf at 28 days.
3. The Portland cement used in the Precast sections shall meet the requirements of Type II/A High-early Strength cement in accordance with ASTM C155-13.
4. Vault sections designed and manufactured in accordance with ASTM C65 & C82.
5. All Precast concrete components to be manufactured in an NQA-1 Certified Plant.
6. If required, Jensen shall furnish vault with fluid-applied waterproofing coating around entire vertical surface of each vault.
7. Vault sections shall be precast.
8. All vaults shall conform to ASTM C 234-08 (SDR 35).
9. Subgrade elevation is required to be below the bottom of Precast structure.
10. Contact Jensen Stormwater Systems for high groundwater conditions.
12. For complete design and product information, contact Jensen Stormwater Systems.
13. Tree grates typically available in 36"x36", 48"x48", and 54" sizes. Other grates sizes available upon request.
14. All concrete component thicknesses, dimensions, and joint orientations may vary across Jensen Precast manufacturing facilities.