**STORMVAULT BIOFILTRATION (SVBF) CONFIGURATION: TREE BOX (-TB)**

**HYDRAULICS**

- **STORMWATER QUALITY DESIGN FLOW (SFQ)**: xx-xx-xx-CFS
- **STORM DRAIN DESIGN CONVEYANCE FLOW**: xx-xx-CFS
- **RETURN FREQUENCY / PERIOD OF PEAK DESIGN CONVEYANCE FLOW**: xx-xx-YRS

**TREATMENT**

- **BIO SOILS FILTRATION MEDIA**: JENSEN'S SIERRA BLEND
- **PUBLIC DOMAIN BIO SOIL MEDIA**: JENSEN'S BIOFILTRATION

**SEE MATERIALS**

- **SEE CONSTRUCTION**

**CONSTRUCTION & INSTALLATION NOTES**

1. **CONTRACTOR TO VERIFY ALL DIMENSIONS AND ELEVATIONS IN FIELD PRIOR TO INSTALLATION.**
2. THE CONNECTION BETWEEN THE INTERNAL DRAIN PIPING OF THE SVBF SHALL BE MADE USING CONNECTORS CONFORMING TO ASTM C673, AS MADE BY KOR-LEK, A C60, OR APPROVED EQUAL, AND SHALL BE WATER-TIGHT.
3. **CONTRACTOR MAY ALSO GRIND ALL PIPE PENTERTHON IN Precast Concrete OPENINGS IN FIELD AS NECESSARY.**
4. **CONTRACTOR TO PROVIDE FLOOR POUR OF CURB TO THE ELEVATIONS SHOWN 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 C320, AS MADE BY KOR-LEK, A C60, OR APPROVED EQUAL, AND SHALL BE WATER-TIGHT.**
6. **VEGETATION, FOUNDATION, SUBGRADE, AND BACKFILL TO BE DESIGNED BY OTHERS.**
7. **SVBF CAN BE RECONFIGURED AS AN OPEN TOP SQUARE SYSTEM TO RECEIVE SURFACE FLOW FROM ALL SIDES, ELEVATING TOP SURF.**
8. **SVBF MAY BE PREFABRICATED WITH UNITISED TOPS OF BLOCKS, ALLOWING FOR CONSTRUCTION OF CONTINUOUS STRUCTURES AND LANDSCAPE FEATURES.**
9. **INLETS THROUGH CURB CAN BE LOCATED ON ANY SIDE OF THE BOX AND THEIR DIMENSIONS VARY PER DESIGN.**

**MATERIALS & DESIGN PARAMETERS**

1. **ALL DIMENSIONS ARE IN DECIMAL INCHES.**
2. **CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH f_c’ = 1,000 psi at 28 days.**
3. **THE PORTLAND CEMENT USED IN THE Precast SECTION SHALL MEET THE REQUIREMENTS OF TYPE I/II HIGH QUALITY REACTIVE CANBE FOUND IN ACCORDANCE WITH ASTM C150.**
4. **VAPOR SECTIONS DESIGNED AND MANUFACTURED IN ACCORDANCE WITH ASTM C320 & C673.**
5. **ALL PRECAST CONCRETE COMPONENTS ARE MANUFACTURED IN AN UNCONTROLLED PLANT.**
6. **IF READY, JENSEN WILL FURNISH WAX IF USED AND FULFILL WRITING WATERPROOFING CORRECTLY AROUND INSIDE OF CURB.**
7. **BREATHING STONE SHALL BE CLEANED.**
8. **ALL PVC PIPE SHALL CONFORM TO ASTM B36.**
9. **GROUNDWATER ELEVATION IS ASSUMED TO BE BELOW THE BOTTOM OF PRECAST STRUCTURE. CONTACT JENSEN STORMWATER FOR HIGH-GROUNDWATER CONDITIONS.**
10. **STANDARD CONFIGURATION IS SHOWN. ALTERNATIVE CONFIGURATIONS ARE READILY AVAILABLE. CONTACT JENSEN STORMWATER SYSTEMS FOR CUSTOM DESIGNS, www.jensenwaterresources.com.**
11. **FOR COMPLETE DESIGN AND PRODUCT INFORMATION, CONTACT JENSEN STORMWATER SYSTEMS.**
12. **JENSEN STORMWATER SYSTEMS TO PROVIDE ALL MATERIALS AS SHOWN, UNLESS OTHERWISE NOTED.**
13. **TREE GRATES TYPICALLY AVAILABLE IN 26" x 26", 36", & 48"; OTHER GRATE SIZES AVAILABLE UPON REQUEST.**
14. **OTHER SYSTEMS COMPONENT THICKNESSES, DIMENSIONS, AND JOINING OPERATIONS MAY VARY ACROSS JENSEN PRECAST MANUFACTURING FACILITIES.**