**STORMVAULT BIOFILTRATION (SVBF) **

**HYDRAULICS**

- **STORM WATER QUALITY DESIGN FLOW (SQDF):** XXX.X-CFS
- **STORM DRAIN DESIGN CONVEYANCE FLOW:** XXX.X-CFS
- **RETURN FREQUENCY / PERIOD OF PEAK DESIGN CONVEYANCE FLOW:** XX-YRS

**TREATMENT**

- **NOTE 13**
  - BIO-SOIL MEDIA UNITIZED
  - 10 - IN/HR 193 - IN/HR TREATMENT FLUX RATE
  - HYDRAULIC SURFACE LOADING RATE (HSLR)

**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 C321, AS MADE BY KOR-IN-SEAL, A LOB, OR APPROVED EQUAL AND SHALL BE WATERPROOF.
3. CONTRACTOR MAY ALSO GRUT ALL PIPE PENETRATIONS IN Precast concrete openings in field as necessary.
4. CONTRACTOR TO PROVIDE Field POUR OF Cob 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 RUBBER CONNECTOR CONFORMING TO ASTM C321, AS MADE BY KOR-IN-SEAL, A LOB, OR APPROVED EQUAL AND SHALL BE WATERPROOF.
6. VEGETATION, SEDIMENTATION, SUBGRADE, AND BASECOURSE TO BE DESIGNED by others.
7. INLET CONNECTION TO EXIST as THE TOP OF PIPE TO BE FIXED IN FIELD ALLOWING FOR CONSTRUCTION OF CONTINUOUS STREETSCAPE and LANDSCAPE FEATURES.
8. INFILTRATION PIPE MAY BE LOCATED ON ANY SIDE of THE BOX AND the SIDE MAY VARY for DESIGN.

**MATERIALS & DESIGN PARAMETERS**

1. **ALL DIMENSIONS ARE IN STEEL MEASURES**
2. **CONCRETE SHALL HAVE a MINIMUM COMPRESSIVE STRENGTH F_c = 5,000 psi at 28 DAYS.**
4. **VALVE NATO DESIGNED AND MANUFACTURED IN ACCORDANCE WITH ASTM C68 AND C98.**
5. **ALL PRECAST CONCRETE COMPONENTS TO BE MANUFACTURED in AN MPA CERTIFIED PLANT.**
6. **IF REQUIRED, JENSEN WILL FURNISH VAULT WITH FULL-ApPLIED WATERPROOFING COATING AROUND ENTIRE INSIDE SURFACE OF SVBF.**
7. **BRIDGING STONE SHALL BE CLEAN, WASHED.**
8. **THE CONNECTION BETWEEN THE PRECAST VAULT AND THE SVBF SHALL BE MADE USING a RUBBER CONNECTOR CONFORMING TO ASTM C321, AS MADE BY KOR-IN-SEAL, A LOB, OR APPROVED EQUAL**
9. **GROUNDWATER ELEVATION IS ASSUMED TO BE BELOW THE BOTTOM OF PRECAST STRUCTURE. CONTACT JENSEN STORMWATER SYSTEMS FOR HIGH GROUNDWATER CONDITIONS.**
10. **STANDARD CONFIGURATION SHOWN; ALTERNATIVE CONFIGURATIONS ARE READILY AVAILABLE. CONTACT JENSEN STORMWATER SYSTEMS FOR CUSTOM DESIGNS.**
11. **COMPLETE DESIGN AND PRODUCT INFORMATION CONTACT JENSEN STORMWATER SYSTEMS.**
12. **JENSEN STORMWATER SYSTEMS TO PROVIDE ALL MATERIALS AS SHOWN, UNLESS OTHERWISE NOTED.**
13. **ALL CONCRETE COMPONENT THICKNESSES, DIMENSIONS, AND JOINT ORIENTATIONS MAY VARY across JENSEN Precast Manufacturing Facilities.**

**NOTICE:** These drawings have been approved by Jensen Precast. Contractor to verify all dimensions and elevations in field prior to installation.

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