STORMVAULT BIOFILTRATION (SVBF)

HYDRAULICS

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

TREATMENT

BIO SOIL MEDIA JENSEN'S BIO RETENTION
TREATMENT FLUX RATE HYDRAULIC SURFACE

TREATMENT FLOW RATE

BIO SOIL MEDIA UNITIZED TREATMENT

*JENSEN'S ENGINEERED SIERRA SOIL MEDIA.

**JENSEN'S BIORETENTION INFILTRATION TREE/PLANTER STORMVAULT BIOFILTRATION SIZED TO
SQUARE FEET AT A RATE OF – INCHES/HR.

1. JENSEN'S STORMVAULT BIOFILTRATION (SVBF) DESIGNED TO

2. CAPTURED QUALITY SUSPENDED (TSS) AND DISSOLVED DISSOLVED ZINC & COLIFORM & OIL & GREASE.

3. CONTRACTOR PROVIDE FIELD CURB AND GUTTER AS NECESSARY.

4. THE CONNECTION BETWEEN STORM DRAIN AND MAVF MAY BE MADE WITH A-LOK, OR APPROVED RESILIENT AS PERASTM C923, MADE BY KOR-EQUAL AND SHALL BE MADE

5. ALL COMPONENTS BE DESIGNED BY OTHERS.

6. BRIDGING SHALL BE PIPE CONFORM TO (SDR ASSUMED TO BE BELOW THE SYSTEMS GROUNDWATER)

7. BRIDGING SHALL BE USED.

8. SYSTEMS MAY VARY ACROSS PROJECT:

9. INLETS MUST BE LOCATED ON SIDE OF THE BOX AND THEIR RIM EL. = XXXX.XX’ ±

10. STANDARD CONFIGURATION IS SHOWN.

MATERIALS & DESIGN PARAMETERS

1. ALL DIMENSIONS ARE IN DECIMAL INCHES.

2. CONCRETE MUST HAVE A MINIMUM COMPRESSIVE STRENGTH F’c 5,000 Lb/In.²


4. VAULTS CONCRETE PRODUCTS TO BE MANUFACTURED IN AN AWC CERTIFIED PLANT.

5. IF REQUIRED, JENSEN WILL TERMS PRESS VALVE WITH FLAT-APLIED WATERPROOFING COATING AROUND EXTERNAL MOLD SURFACE OF SVBF TYP.

6. CONTACT JENSEN FOR CUSTOM DESIGNS.

7. CONCRETE GRADES A AND B IN 36” X 36” & X 48”;

8. ALL PVC PIPE SHALL CONFORM TO ASTM D2665 BAD 1-1/4”.

9. GROUNDOVERFLOW LOCATION IS ASIGNED TO BE BELOW THE BOTTOM OF PRECAST STRUCTURE.

10. CONTACT JENSEN STORMWATER SYSTEMS FOR CUSTOM DESIGNS.

11. CONTRACT DESIGNS AND PRODUCT INFORMATION MUST CONFORM STORMWATER SYSTEMS.

12. ALL STRUCTURAL COMPONENTS SHALL BE DESIGNED TO MEET ALL APPLICABLE CODES & REGULATIONS.

13. TREE GRATES TYPICALLY AVAILABLE IN 3” X 8” & 6” X 8”; OTHER GRATES AVAILABLE UPON REQUEST.

14. ALL CONCRETE COMPONENT THICKNESSES, DIMENSIONS, AND JOINT ORIENTATIONS MAY VARY ACROSS ALL FABRICATING MATERIALS & FACTORIES.