

## SEDIMENT STRIP INSPECTION AND MAINTENANCE

### GENERAL NOTES:

1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST INSPECTION SCHEDULE INTERVAL BASED ON PREVIOUS OBSERVATIONS OF ACCUMULATED SEDIMENT OR HIGH WATER ELEVATIONS.
2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS REQUIRED.

### INSPECTION STEPS:

#### 1. INSPECT SEDIMENT STRIP FOR SEDIMENT

##### A. USING INSPECTION PORT

- I. REMOVE LID ON INLINE BASIN
- II. USING A FLASHLIGHT AND STADIA ROD, MEASURE THE DEPTH OF SEDIMENT AND RECORD ON A MAINTENANCE LOG.
- III. LOWER A CAMERA INTO THE SEDIMENT STRIP FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL).
- IV. IF SEDIMENT IS AT OR ABOVE 3" PROCEED TO STEP 2 BELOW. IF NOT, PROCEED TO STEP 3.

##### B. USING UPSTREAM STRUCTURES

- I. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF SEDIMENT STRIP.
- II. USING A FLASHLIGHT, INSPECT DOWN THE SEDIMENT STRIP THROUGH THE OUTLET PIPE.
- III. MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY.
- IV. FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING A MANHOLE.
- V. IF SEDIMENT IS AT OR ABOVE 3" PROCEED TO STEP 2 BELOW. IF NOT, PROCEED TO STEP 3.

#### 2. CLEAN OUT SEDIMENT STRIP USING TRUCKS FURNISHED WITH WATER JETTING AND VACUUM EQUIPMENT.

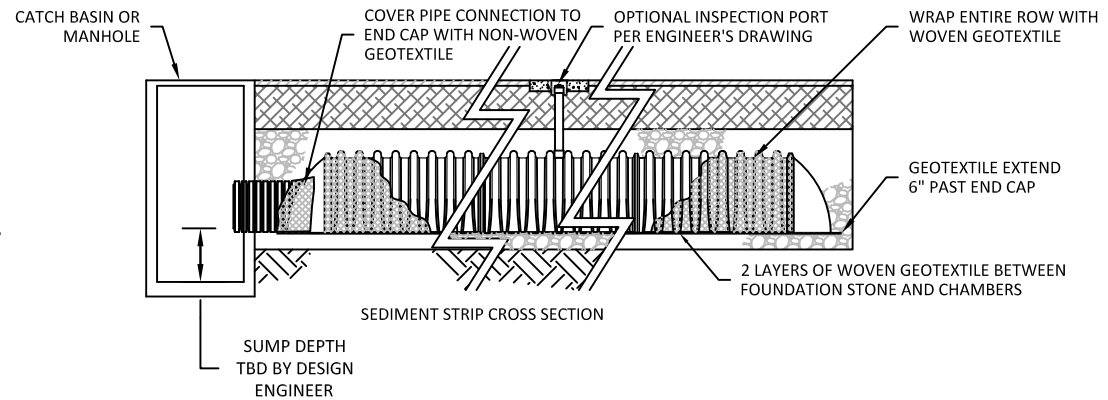
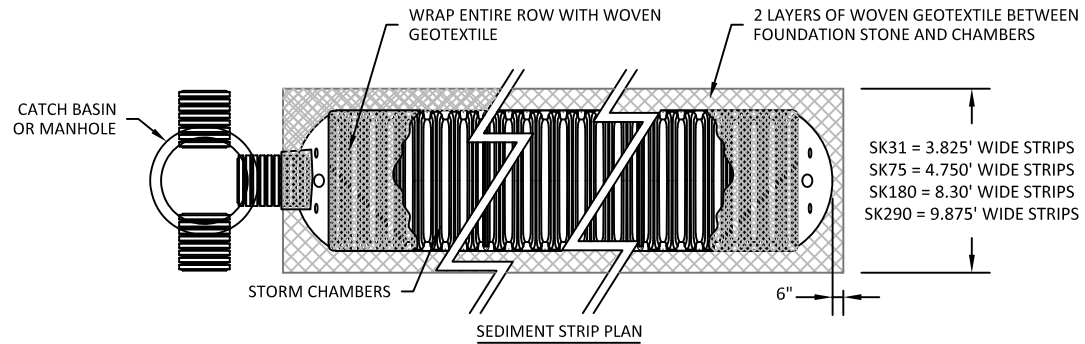
- A. FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 48" OR MORE IS PREFERRED.
- B. REMOVE MANHOLE LID/GRATE TO ACCESS MANHOLE CAVITY
- C. LOWER THE HOSE AND NOZZLE INTO THE STRUCTURE AND SEDIMENT STRIP INLET STUB ABOVE THE MANHOLE SUMP.
- D. THE VACUUM HOSE MAY BE POSITIONED IN THE MANHOLE SUMP AS THE JETTING ACTION PROPELS THE NOZZLE INTO AND UP THE SEDIMENT STRIP.
- E. ONCE THE NOZZLE REACHES THE END OF THE SEDIMENT STRIP, PULL BACK ACCUMULATED MATERIAL TOWARDS THE MANHOLE WITH THE JETTING ACTION WHILE THE NOZZLE IS REELED BACK TOWARDS THE MANHOLE.
- F. WHILE MATERIAL IS BEING PULLED BACK, THE VACUUM ACTION IS REMOVING MATERIAL FROM THE SUMP.
- G. REPEAT THE PROCESS UNTIL A CLEAR EFFLUENT IS OBSERVED.
- H. VACUUM STRUCTURE SUMP AS REQUIRED.

#### 3. REPLACE ALL COVERS, GRATES, FILTERS, LIDS, ETC.

#### 4. RECORD OBSERVATIONS AND ACTIONS.

#### 5. INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMKEEPER SYSTEM.

NOTE: ALL FITTING DIMENSIONS ARE FOR REFERENCE ONLY.  
ALL WOVEN GEOTEXTILE TO BE AASHTO M288 CLASS I.



## SEDIMENT STRIP DETAIL

LANE ENTERPRISES, INC.

SCALE: N.T.S.

DRAWN BY:

DATE: 02-27-2024

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