APPENDIX E
SiteSaver Design Drawings
1. SITESAVER SHALL BE INSTALLED IN ACCORDANCE WITH ASTM C651, STANDARD FOR INSTALLATION OF UNDERGROUND PRECAST CONCRETE UTILITY STRUCTURES. THE FOLLOWING ADDITIONAL AND/OR EXCEPTIONS SHALL APPLY:

2. IT IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR TO ENSURE THAT PROPER EQUIPMENT IS USED TO SET/INSTALL THE MODULES.

3. SITE SAVER MODULES CAN BE PLACED ON A LEVEL 4" FOUNDATION OR AGGREGATE EXTENDING 2'-0" PAST THE OUTSIDE OF THE SYSTEM (SEE DETAIL 1) AND SHALL BE PLACED ON PROPERLY CONSTRUCTED ENDS (SEE SHEET 2.0) FOR SELF-BEARING CAPACITY REQUIREMENTS, AND IN ACCORDANCE WITH ASTM C651, STANDARD PRACTICE FOR INSTALLATION OF UNDERGROUND PRECAST UTILITY STRUCTURES.

4. THE HORIZONTAL JOINT BETWEEN THE TOP AND BASE LEG CONSTRUCTION OF THE SITE SAVER MODULES SHALL BE SEALED WITH A 1" NBR EPDM SHIELDSTOP (SEE SHEET 1" X 1") AS MANUFACTURER'S INSTRUCTIONS. (SEE DETAIL 2)

5. IF THE CONTRACTOR NEEDS TO CANCEL ANY SHIPMENTS, THEY MUST DO SO 48 HOURS PRIOR TO THEIR SCHEDULED ARRIVAL AT THE JOB SITE. IF CANCELED AFTER THAT TIME, PLEASE CONTACT THE PROJECT MANAGER.

6. IF THE SITE SAVER MODULE(S) IS DAMAGED IN ANY WAY PRIOR, DURING, OR AFTER INSTALLATION, STORMTRAP MUST BE CONTACTED IMMEDIATELY TO ASSESS THE DAMAGE AND TO DETERMINE WHETHER OR NOT THE MODULOS WILL NEED TO BE REPLACED. IF ANY MODULE ARRIVES AT THE JOB SITE DAMAGED, DO NOT UNLOAD IT. CONTACT STORMTRAP IMMEDIATELY. ANY DAMAGE NOT REPORTED PRIOR TO THE TRUCK BEING UNLOADED WILL BE THE CONTRACTOR’S RESPONSIBILITY.

7. SITE SAVER MODULES CANNOT BE ALTERED IN ANY WAY AFTER MANUFACTURING WITHOUT WRITTEN CONSENT FROM STORMTRAP.
**Step 1 - Install Base Module**

**Step 2 - Place Internals**

**Step 3 - Set Top Module & Net Support Frame**

**Step 4 - Connect Internals to Modules**

**Step 5 - Place Net**
SITE SAVER ZONE INSTALLATION SPECIFICATIONS/PROCEDURES

1. The fill placed around the SiteSaver modules must be deposited on both sides at the same time and is to be positioned at the same elevation. At no time shall the fill behind one side be more than 2'-0" higher than the fill on the opposite side. Backfill shall either be compacted or vibrated to ensure that backfill aggregate/stone material is well seated and properly interlocked. Care shall be taken to prevent any wedging action against the structure, and all slopes within the area to be backfilled must be serrated or serrated to prevent wedging action. Backfill material shall be clean, crushed, angular No. 5 (4.75 to 12in.) aggregate. If native earth is susceptible to migration, consult with a geotechnical engineer and provide protection as required.

2. During placement of material overtop the system, at no time shall machinery be used overtop that exceeds the design limitations of the system. When placement of material overtop, material shall be placed such that the direction of placement is parallel with the overall longitudinal direction of the system whenever possible.

3. The fill placed overtop the system shall be placed at a minimum of 8'-0" lift. At no time shall machinery or vehicles greater than the design K-5-50 loading criteria travel overtop the system without the minimum design coverage. If travel is necessary overtop the system prior to completion of the design cover, it may be necessary to reduce the ultimate load-bearing capability of the system. In all cases, in order to achieve the required compaction, hand compaction may be necessary in order to prevent the system from being overextended.

4. The free draining aggregate - 80% aggregate retained on 1/2" sieve: Majority of aggregate size between 1" and 3". Only 8% of material passing #205 sieve with no fines.
**RECOMMENDED ACCESS OPENING SPECIFICATION**

1. A TYPICAL ACCESS OPENING FOR THE STREAMER SYSTEM ARE 3" x 3" IN DIAMETER AND 4 1/2" x 4 1/2" SQUARE. CONSULT STORMTRAP FOR ALTERNATE OPENING SIZES AND LOCATIONS.
   ALL OPENINGS MUST BE LOCATED AT LEAST 1'-6" OF CLEARANCE FROM THE END OF THE STREAMER MODULE UNLESS NOTED OTHERWISE. ALL ACCESS OPENINGS TO BE LOCATED AS SHOWN UNLESS OTHERWISE SPECIFIED.

2. ESTRATERE LATTICE INSERTS MAY BE REMOVED TO AVOID INTERFERENCE WITH ACCESS OPENINGS OR THE CENTER OF GRAVITY OF THE MODULE AS REMOVED.

3. ACCESS OPENINGS SHOULD BE LOCATED IN ORDER TO MEET THE APPROPRIATE MUNICIPAL REQUIREMENTS. STORMTRAP RECOMMENDS AT LEAST TWO ACCESS OPENINGS PER SYSTEM FOR ACCESS AND INSPECTION.

4. USE PRECAST ADJUSTING KNOBS AS NEEDED TO MEET GRADE. STORMTRAP RECOMMENDS FOR COVER OVER 2" TO USE PRECAST BASALT OR CONCRETE INSERTS.

**RECOMMENDED PIPE OPENING SPECIFICATION**

1. MINIMUM BORE DISTANCE FOR AN OPENING ON THE OUTSIDE WALL SHALL BE NO LESS THAN 1'-0".

2. MAXIMUM OPENING SIZE TO BE DETERMINED BY THE HOOD HEIGHT. PREFERRED OPENING SIZE 0'-3" OR LESS. ANY OPENING NEEDED TO FIT THE CRITERIA SHALL BE SPECIFIED TO THE ATTENTION OF STORMTRAP FOR REVIEW.

3. CONNECTING PIPES SHALL BE INSTALL WITH STRUCTURAL GRADE CONCRETE OR HIGH STRENGTH, NON-SHRINK GROUT WITH A MINIMUM 28 DAY COMpressive STRENGTH OF 3000 PSI SHALL BE USED (SEE PIPE CONNECTION DETAILS).

4. THE ANNULAR SPACE BETWEEN THE PIPE AND THE HOLE SHALL BE FILLED WITH HIGH STRENGTH NON-SHRINK GROUT.

**RECOMMENDED PIPE INSTALLATION INSTRUCTIONS**

1. CLEAN AND LIGHTLY LUBRICATE ALL OF THE PIPES TO BE INSERTED INTO SITESAVER.

2. IF PIPE IS OUT, CARE SHOULD BE TAKEN TO ALLOW NO SHARP EDGES, BEVEL AND LUBRICATE LEAD END OF PIPE.

3. ALIGN CENTER OF PIPE TO CONNECT ELEVATION AND INSERT INTO OPENING.

NOTE: ALL ANGLULAR PRODUCTS RECOMMENDED AND SHOWN ON THIS SHEET ARE RECOMMENDATIONS ONLY AND SUBJECT TO CHANGE FOR THE INSTALLING CONTRACTOR.