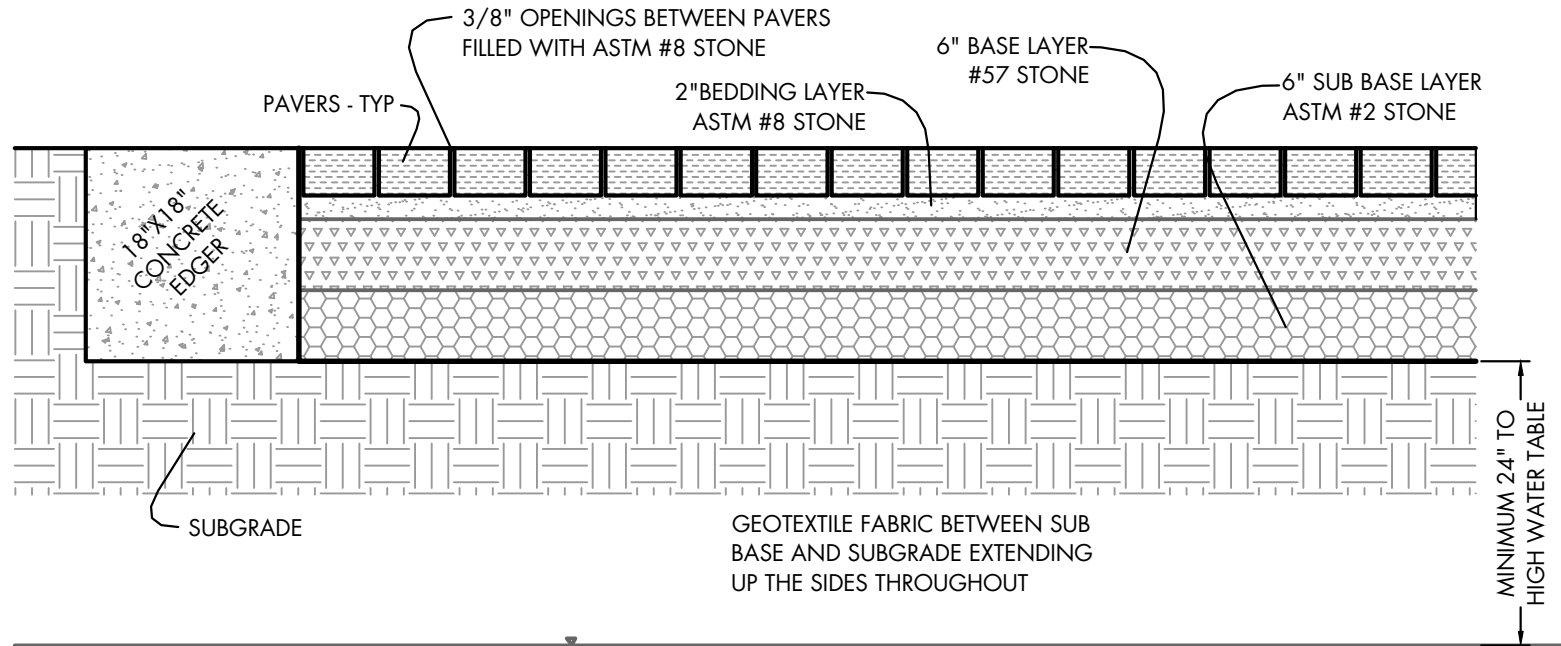


NOTE: NO RUNOFF MAY BE DIRECTED TOWARDS PAVERS FROM OUTSIDE ITS SURFACE AREA.



PLAN  
SCALE: NTS

NOTE: REPLACEMENT WITH NON-PERMEABLE SURFACE  
REQUIRES APPROVAL FROM THE CITY OF ALPHARETTA  
AND INSTALLATION OF ADDITIONAL BMPs.

**PERMEABLE PAVER SYSTEMS**

DESIGN CRITERIA

- INTENDED FOR LOW TRAFFIC AREAS, OR FOR RESIDENTIAL OR OVERFLOW PARKING APPLICATIONS, NOT IDEAL FOR AREAS WITH A TREE CANOPY
- AESTHETICALLY PLEASING
- AMERICANS WITH DISABILITIES ACT (ADA) COMPLIANT
- SHOULD BE A MINIMUM OF TWO FEET ABOVE THE NATURAL WATER TABLE
- SHOULD BE A MINIMUM OF 15 FEET AWAY FROM BUILDINGS

LIMITATIONS

- POTENTIAL FOR HIGH FAILURE RATE IF NOT ADEQUATELY MAINTAINED OR USED IN UNSTABILIZED AREAS
- GEOTECHNICAL ANALYSIS OF SOILS REQUIRED; MINIMUM INFILTRATION 0.5 IN/HR
- INEFFECTIVE UNDER TREE CANOPY, DUE TO CLOGGING

MAINTENANCE REQUIREMENTS

- HIGH MAINTENANCE REQUIREMENTS
- WEED AND REMOVE GRASS OUT OF BRICKS / BLOCKS AS NECESSARY (UNLESS CONCRETE GRID PAVERS ARE USED)
- SWEEP OR VACUUM THE PAVERS AS NECESSARY

POLLUTANT REMOVAL

- 80% TSS REMOVAL

SUITABILITY

- RUNOFF REDUCTION
  - 100% OF THE RUNOFF REDUCTION CREDIT, IF AN UNDERDRAIN IS NOT USED
  - 75% OF THE RUNOFF REDUCTION CREDIT, IF AN UPTURNED UNDERDRAIN IS USED
  - 50% OF THE RUNOFF REDUCTION CREDIT, IF AN UNDERDRAIN IS USED
- WATER QUALITY
  - CHANNEL PROTECTION? MAY PROVIDE PARTIAL BENEFITS
  - OVERBANK FLOOD PROTECTION? MAY PROVIDE PARTIAL BENEFITS
  - EXTREME FLOOD PROTECTION? MAY PROVIDE PARTIAL BENEFITS

**PERMEABLE PAVERS MAINTENANCE**

COMMON PROBLEMS

- SEDIMENT BUILD-UP AND CLOGGING BETWEEN PAVERS
- SETTLING PAVERS
- CRACKING OR SPLITTING

MONTHLY

- DURING DRY WEATHER KEEP THE PAVERS FREE OF TRASH, DEBRIS, AND SEDIMENT.
- MAKE SURE THAT THERE IS NO STANDING WATER IN THE PAVERS BETWEEN STORMS.
- REMOVE WEEDS AND GRASS GROWING BETWEEN PAVERS (UNLESS CONCRETE GRID PAVERS ARE BEING USED).
- MOW GRASS WITHIN THE PAVERS (ONLY FOR CONCRETE GRID WITH GRASS).
- MOW/ TRIM GRASS OR VEGETATION NEAR THE PAVERS AND REMOVE CLIPPINGS FROM AREA.
- VISUALLY INSPECT THE PAVERS AFTER LARGE STORMS TO ENSURE THE OVERFLOW DRAINAGE SYSTEM IS WORKING.
- INSPECT THE PAVERS FOR DAMAGE AND REPAIR.
- VACUUM SWEEP THE PAVER SURFACE TO KEEP FREE OF SEDIMENT.
- AFTER CLEANING, ADDITIONAL AGGREGATE MAY NEED TO BE ADDED BETWEEN THE PAVERS. REPLACE AGGREGATE BETWEEN THE PAVERS AS NECESSARY.

AS NEEDED, TYPICAL ROUTINE MAINTENANCE ACTIVITIES

- KEEP THE CONTRIBUTING DRAINAGE AREA AND SURFACE OF THE PAVERS CLEAR OF DEBRIS, TRASH, AND SEDIMENT.
- ENSURE THAT AREAS SURROUNDING THE PRACTICE ARE STABILIZED AND MOWED, REMOVE GRASS CLIPPINGS.

SEMI-ANNUALLY, IN SPRING AND FALL

- REMOVE SEDIMENT, DIRT, LEAVES, AND ANY DEBRIS.
- REPLACE ANY JOINT MATERIAL THAT HAS ERODED OR WASHED AWAY.
- OBSERVE THE SYSTEM DURING A RAIN EVENT.
- AREAS SHOULD BE ROUTINELY INSPECTED FOR SETTLING AND LOSS OF WATER FLOW THROUGH THE SYSTEM.
- REPAIR SETTLED AREAS.

AS NEEDED, IN WINTER

- ORGANIC DEICERS MAY BE USED TO MELT ICE AND SNOW.
- SNOW PLOWS MAY BE USED WHEN NECESSARY UNDER THE FOLLOWING CONDITIONS:
  1. THE EDGES OF THE PLOW ARE BEVELED.
  2. THE BLADE OF THE SNOW PLOW IS RAISED 1-2 INCHES.
  3. THE SNOW PLOW IS EQUIPPED WITH SNOW SHOES, WHICH ALLOW THE BLADE TO GLIDE ACROSS UNEVEN SURFACES.

ANNUAL ROUTINE MAINTENANCE ACTIVITIES


- INSPECT THE SURFACE FOR DETERIORATION OR BREAKING INTO FRAGMENTS.
- FLUSH THE UNDERDRAIN SYSTEM TO CHECK FOR CLOGGING (IF APPLICABLE).

UPON FAILURE, ROUTINE MAINTENANCE ACTIVITIES

- REMOVE THE PERMEABLE PAVERS; INCLUDE THE TOP AND BASE LAYERS OF THE PRACTICE. CLEAN PAVERS AND BASE AGGREGATE, AND REPLACE AS NEEDED.

RECORD KEEPING

- RECORDS OF MAINTENANCE ACTIVITIES ARE REQUIRED FOR NON-RESIDENTIAL PROPERTIES.
- RECORDS OF MAINTENANCE ACTIVITIES ARE RECOMMENDED AND SHOULD BE MAINTAINED BY HOMEOWNERS OR RESIDENTIAL PROPERTIES.

		<p>PERMEABLE PAVERS</p>
		<p>08/30/2021</p>
		<p>STD. STM-01</p>
BY	REVISION	DATE