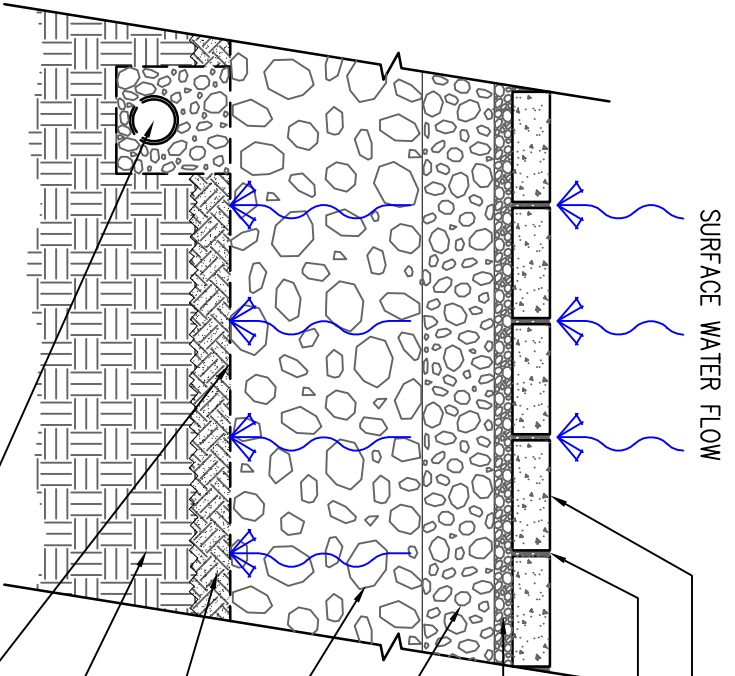


**NOTES:**

- 1) THIS PERMEABLE PAVEMENT DETAIL IS A RECOMMENDED MINIMUM AND MUST BE DESIGNED BY A PROFESSIONAL ENGINEER.
- 2) ALL AGGREGATE MATERIAL SHALL BE CRUSHED, ANGULAR STONE AND FREE OF FINES.
- 3) COMPACT SUBSOIL WITH A CALIFORNIA BEARING RATIO (CBR) OF LESS THAN 5% AS DIRECTED BY A PROFESSIONAL ENGINEER.
- 4) SURFACE SLOPE SHALL BE A MINIMUM OF 1% AND A MAXIMUM OF 5%.
- 5) INSTALL PVC UNDERDRAIN PIPE WHERE INFILTRATION RATE OF SUBSOIL IS LESS THAN 0.5 IN./HR. SIZE AS DIRECTED BY A PROFESSIONAL ENGINEER.
- 6) NEVER BUILD PERMEABLE PAVEMENTS ON ORGANIC CLAY SOILS OF HIGH PLASTICITY AND/OR PEAT, MULCH, SOILS WITH HIGH ORGANIC CONTENT.
- 7) MAINTAIN A MINIMUM DISTANCE OF 2' BETWEEN BOTTOM OF PERMEABLE BASE AND WATER TABLE.
- 8) THE MINIMUM AGGREGATE THICKNESSES ARE AFTER COMPACTION.
- 9) CROWN ROADWAY APPLICATIONS AT A 1.5 TO 1.7% SLOPE FOR INCREASED PAVEMENT STIFFNESS. (CROWNING IS NOT FOR DRAINAGE PURPOSES.)
- 10) ONLY USE CRUSHED, ANGULAR GRANITE CHIPS FOR JOINT MATERIAL IN ROADWAY APPLICATIONS.



- UNILOCK PERMEABLE PAVERS
- PERMEABLE JOINT OPENING AGGREGATE: OPEN-GRADED, CRUSHED, ANGULAR STONE; ASTM NO. 8 OR 1/8 TO 3/16 INCH GRANITE CHIP (2-5 MM)
- 1-1/2" PERMEABLE SETTING BED AGGREGATE: OPEN-GRADED, CRUSHED, ANGULAR STONE; ASTM NO. 8
- 6" MIN. PERMEABLE BASE AGGREGATE: OPEN-GRADED, CRUSHED, ANGULAR ASTM NO. 57
- 16" MIN. PERMEABLE SUBBASE AGGREGATE: OPEN-GRADED, CRUSHED, ANGULAR STONE; ASTM NO. 2
- 3" INFILTRATION MATERIAL MIX: SCARIFY SUBGRADE SURFACE; SPREAD SAND, TILL AND COMPACT
- SUBGRADE MATERIAL: MIN. CBR - 5% (COMPACT IF LESS THAN 5%) SLOPE TO DRAIN
- GEOTEXTILE MATERIAL: INSTALL AS DIRECTED BY A PROFESSIONAL ENGINEER
- PVC UNDERDRAIN PIPE; INSTALL IF INFILTRATION IS LESS THAN 0.5 IN./HR.; WRAP WITH GEOTEXTILE

**COMMERCIAL APPLICATION  
PERMEABLE PAVER DETAIL**

CREATED: OCTOBER 11, 2011  
REVISED: JANUARY 30, 2014

FILE NAME: CS-COM-PERM-T6-2014.DWG



**NOTES:**  
This cross section is intended for preliminary design purposes only. Confirm site conditions and consult with a qualified design professional or installer prior to installation.

**CROSS SECTION**  
LOW INFILTRATION WITH UNDERDRAIN HEAVY DUTY

