

WORKS IN ALL CLIMATES AND SOILS

STORM WATER DETENTION



100% PERVIOUS COVER





0.0 - 0.05 RUNOFF COEFFICIENT

CLEAN / WASHED ANGULAR AGGREGATE

STORM WATER INFILTRATION

SUB-BASE DEPTH CAN VARY FOR LOADING OR STORM WATER DETENTION REQUIREMENTS



STORM WATER NATURALLY PERCOLATES INTO SOIL

40% VOID SPACE ALLOWS FOR STORM WATER STORAGE

GEOTEXTILE FABRIC SHEET FLOW OR DIRECT USING PERFORATED PIPE

HOW TO CALCULATE STORM WATER DETENTION CAPACITY

Detention Capacity = TRUEGRID Area (A) x Total Aggregate
Depth (d) x 40% Void Space = A x d x 0.40

WHERE:

d = Depth of Sub-base + TRUEGRID Height

EXAMPLE:

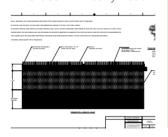
1 Acre Lot, TRUEGRID PRO PLUS, 200 mm Sub Base Fill & Sub Base 20mm Clean/Washed Angular Stone Detention Capacity = $A \times d \times 0.40$

WHERE:

 $A = 1 \ Acre = 2000 \ m2$ $d = 200 \ mm + 45.7 \ mm = 0.246 \ mt$ Detention Capacity = 2000 x 0.2457 x 0.4 = 197 m3

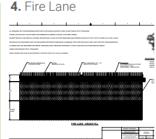
Go to TECHNICAL INFO on TRUEGRIDpaver.com.au for typicals. Call for site specific questions: 1 300 796 018

1. Grass Fill Heavy Load



2. Gravel Fill Light Load

3. Grass Fill Light Load



TRUEGRID HDPE Permeable Pavers

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A better environmental, healthier and ethical choice