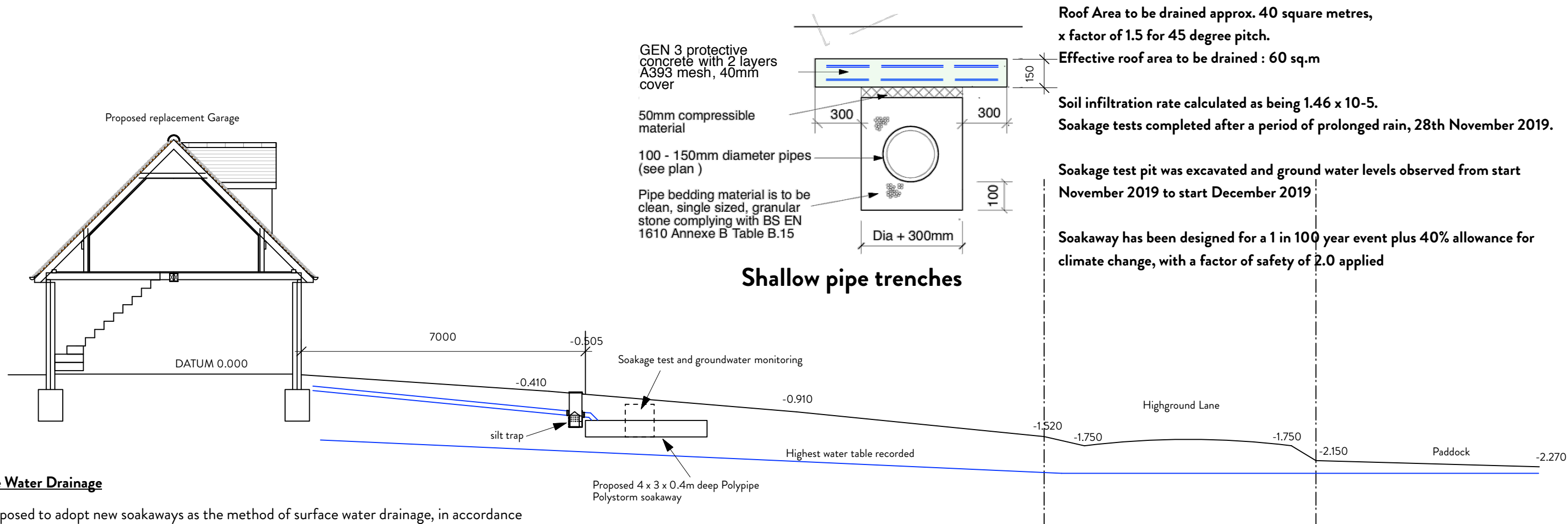




Surface Water Drainage

It is proposed to adopt new soakaways as the method of surface water drainage, in accordance with the SUDS manual and the BRE Digest 365 (2016 edition).

In order to establish the minimum volume of soakaway, a soakage test has been carried out to a depth of approximately 0.9m and the groundwater levels monitored for a period of approximately 30 days following a prolonged rainy period.

The site slopes by approximately 1.5m up towards the proposed garage site. The proposed soakaway is in an elevated position relative to the road, and has been designed to be 1 crate deep, so as to mitigate against a high water table.

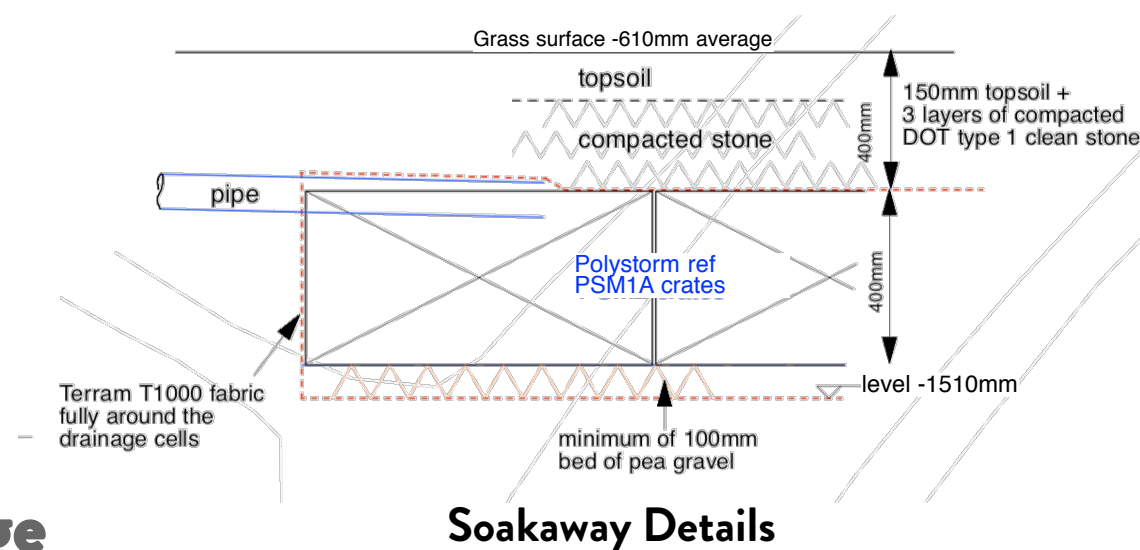
Provisionally, subject to the agreement from ADC Planning and following the design, enlarge the hole to a minimum of 4000 x 3000 x 800mm, line the hole with Terram and install a minimum of 24 Polypipe **Polystorm PSM1A cells** (1.0m x 0.5m x 0.4m high) in 1 layer, cover with Terram and a minimum of 300mm graded stone cover.

A proprietary silt trap should be provided at the soakaway to prevent the capacity being reduced over time and to enable ongoing maintenance.

Rubble filled soakaways are not acceptable.

The building shall not be occupied until the complete surface water drainage system serving the property has been implemented in accordance with the agreed details and the details so agreed shall be maintained in good working order in perpetuity.

Proposed Section showing ground levels



101 - Proposed Surface Water Drainage

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 COMPANY REGISTERED IN ENGLAND & WALES REGISTRATION NUMBER : 8644051

Proposed Replacement Garage

Project: Orchard End
 Highground Lane
 Barnham
 Bognor Regis
 PO22 0BU

Date: September 2019

Scale: 1:100 @ A3

Revision: C : 12/02/20 : Updated

Job No. 1538