

DRAINAGE STATEMENT

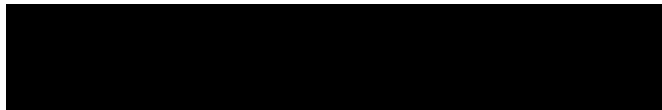
**EVESONS BARN
SIMONSTONE LANE, SIMONSTONE**

MAY 2025

REFORD

Consulting Engineers Limited

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1. INTRODUCTION

- 1.1 This drainage statement is produced to provide the method of draining surface water runoff from the access into the site.
- 1.2 The access track follows the route of the former field track from the historic position of the entrance gate on Simonstone Lane.
- 1.3 The access is to comprise a tarmacadam finish with flush kerbs and will be 4m wide.

2. SURFACE WATER RUNOFF

- 2.1 The access is to be cambered allowing surface water to runoff at its edges where it will either infiltrate into the upper soil layers, evaporate or be taken up by the vegetation, thus dealing with the surface water at source.
- 2.2 To aid the above, a swale is to be provided either side of the access to allow water to accumulate after periods of heavy rainfall. The swale is to be a minimum 300mm deep with 1 in 4 side slopes. The swales will also provide water quality benefits.
- 2.3 To prevent surface water runoff from the access into the public highway, a channel drain will be laid across the entrance to the site to collect water and to divert it into the swales where it will also either infiltrate into the upper soil layers, evaporate or be taken up by the vegetation.