

Marron Remise Replacement House Surface Water Treatment, SUDs:

SuDS is an approach to surface water drainage consisting of a sequence of water management practices and a sequence of facilities. These are both designed to drain surface water in a manner that mimics natural drainage using natural materials and processes and will provide a more sustainable approach. We will achieve this sequential approach by implementing the following:

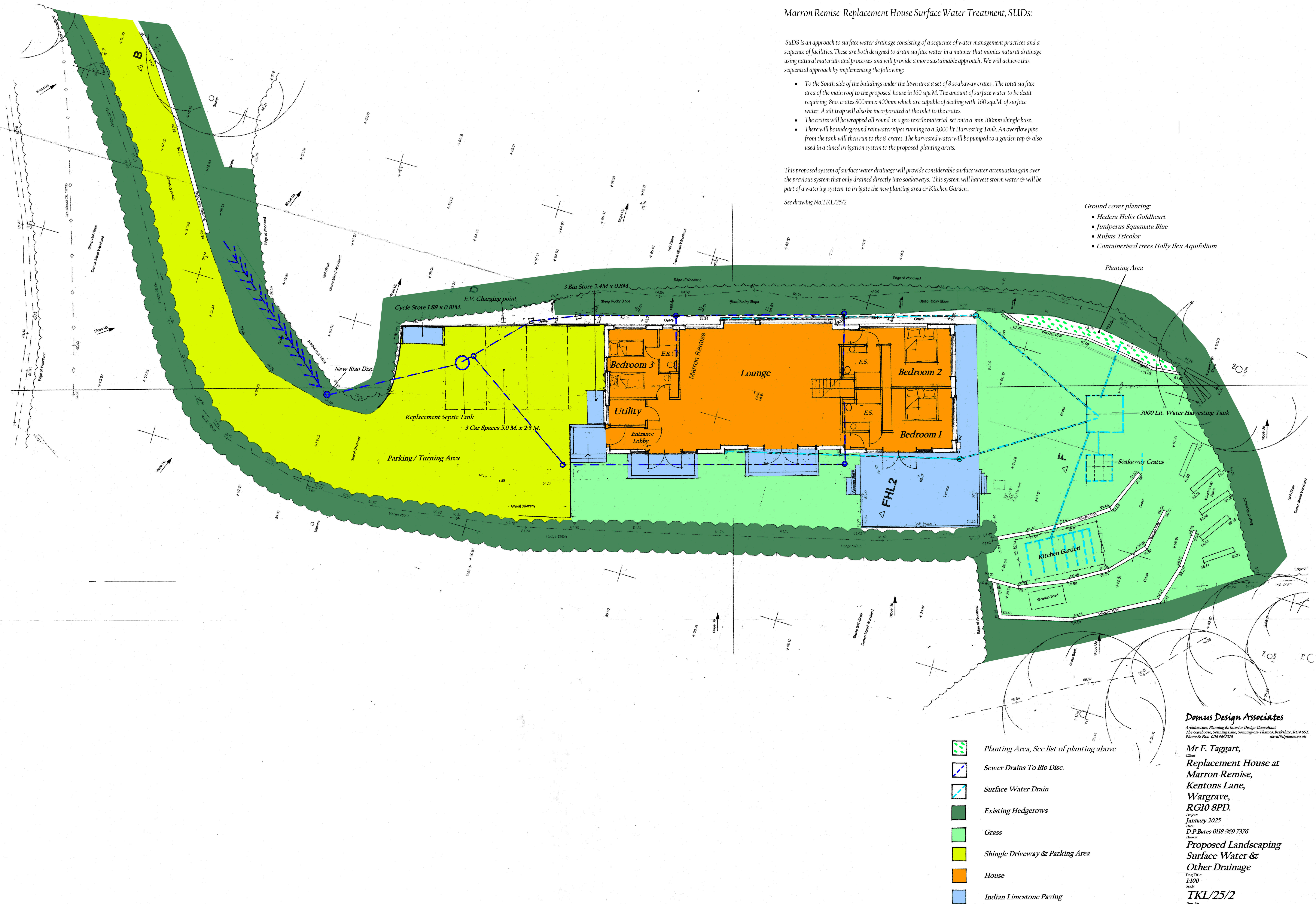
- To the South side of the buildings under the lawn area a set of 8 soakaway crates. The total surface area of the main roof to the proposed house is 160 sqm. The amount of surface water to be dealt requiring 8no. crates 800mm x 400mm which are capable of dealing with 160 sqm. of surface water. A silt trap will also be incorporated at the inlet to the crates.
- The crates will be wrapped all round in a geo textile material, set onto a min 100mm shingle base.
- There will be underground rainwater pipes running to a 3,000 lit Harvesting Tank. An overflow pipe from the tank will then run to the 8 crates. The harvested water will be pumped to a garden tap & also used in a timed irrigation system to the proposed planting areas.

This proposed system of surface water drainage will provide considerable surface water attenuation gain over the previous system that only drained directly into soakaways. This system will harvest storm water & will be part of a watering system to irrigate the new planting area & Kitchen Garden.

See drawing No.TKL/25/2

Ground cover planting:

- *Hedera Helix Goldheart*
- *Juniperus Squamata Blue*
- *Rubus Tricolor*
- Containerised trees *Holly Ilex Aquifolium*



- Planting Area, See list of planting above
- Sewer Drains To Bio Disc.
- Surface Water Drain
- Existing Hedgerows
- Grass
- Shingle Driveway & Parking Area
- House
- Indian Limestone Paving

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Mr F. Taggart,
 Client
Replacement House at
Marron Remise,
Kentons Lane,
Wargrave,
RG10 8PD.
 Project:
 January 2025
 Date:
 D.P.Bates 0189 969 7376
 Drawn:
Proposed Landscaping
Surface Water &
Other Drainage
 Dwg Title:
 1:100
 Scale:
TKL/25/2
 Dwg. No.