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Mr F. Taggart,
 Replacement House at
 Maroon Remise,
 Kentons Lane,
 Wargrave,
 RG10 8PD.
 January 2025
 D.P. Bucks 0189 809 7376

Block Plan

Marroun Remise Replacement House Surface Water Treatment, SUDS:

SWIS 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 basins, natural soil processes and will provide a more sustainable approach. We will describe this sequential approach by implementing the following:

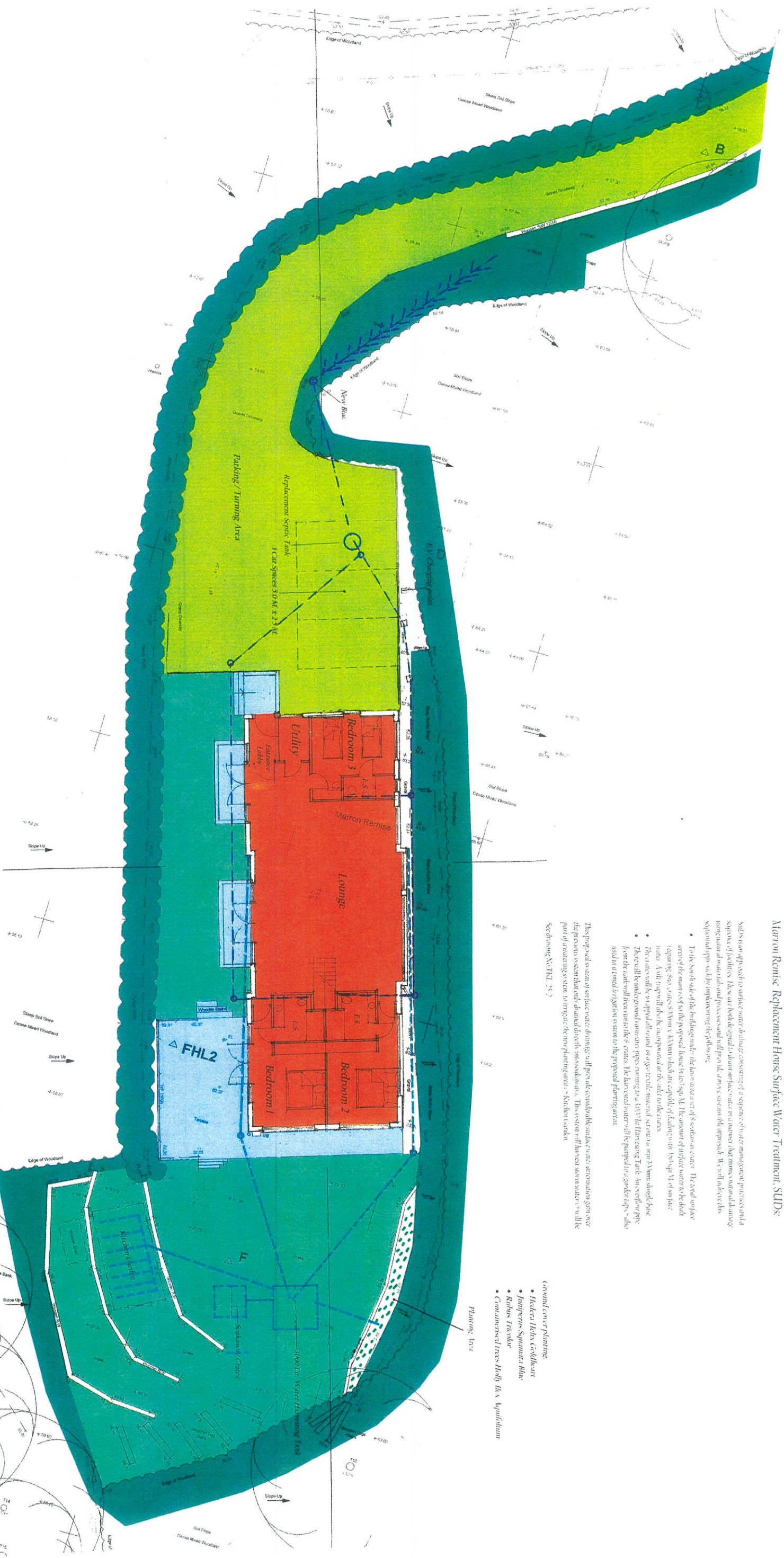
- To the North side of the building, under the bus, is a row of six wooden crates. The total surface area of the main row is the proposed house is 161 sq ft. The amount of surface water to be identified using the six crates is 38 mm. It is known that crates are capable of holding up to 150 sq ft of surface water. A list (kept with the report) of the water is located at the end of the report.
- The water will be pumped off the roof in a 100% catchment system to one downspout, then used in a rainwater irrigation system to the proposed planting areas.
- There will be underground concrete pipes running to a 100% infiltration Trench, however, pipe from the trench will run to the six crates. The harvested water will be pumped to a garden pipe – also used in a rainwater irrigation system to the proposed planting areas.

This proposed system of surface water drainage will provide a consistent surface water attenuation system over the previous system that only drained directly into soakaways. This system will harvest storm water 'x' will be part of a watering system to irrigate the new planting area. » *Kristen Gaudin*

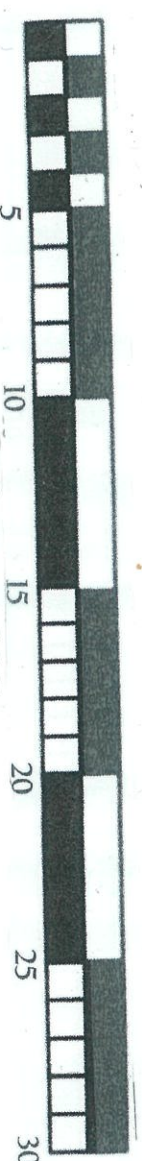
See drawing No. TKL 252

Ground cover planting:

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



Scale Bar 1:200



- | | |
|---|--|
|  | <i>Planting Area, See list of planting above</i> |
|  | <i>Sewer Drains To Bio Disc</i> |
|  | <i>Surface Water Drain</i> |
|  | <i>Existing Hedges/rows</i> |
|  | <i>Grass</i> |
|  | <i>Shingle Driveway & Parking Area</i> |
|  | <i>House</i> |
|  | <i>Indian Limestone Paving</i> |

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Black Plan