

1. This drawing is to be read in conjunction with all other RGP drawings, and with all relevant Architect's and Engineer's drawings and specification. Any discrepancies found are to be reported immediately to the Engineer.
2. RGP accepts no responsibility for inaccuracies in data provided by third parties such as topographic surveys or Ordnance Survey mapping.
3. Do not scale, work to figured dimensions only. All dimensions are in millimeters unless noted otherwise and all levels are in metres from the topographic survey datum.
4. Any information given regarding existing underground services is given in good faith after consultation with the relevant authority, however accuracy is not certain.

DRAINAGE FIELD 3
30sqm (Sized for 12 occupants and VP=15)

SAND LAYER to be extended to penetrate drainable strata

NO PLANTING OVER FIELD PERMITTED

DRAINAGE FIELD TO BE CONSTRUCTED USING PERFORATED PIPE, LAID IN TRENCHES OF UNIFORM GRADIENT WHICH SHOULD NOT BE STEEPER THAN 1:200

DISTRIBUTION PIPES SHOULD BE LAID AT A MINIMUM OF 500MM BELOW THE SURFACE

DRAINAGE FIELD 1
30sqm (Sized for 10 occupants and VP=15)

SAND LAYER to be extended to penetrate drainable strata

NO PLANTING OVER FIELD PERMITTED

DRAINAGE FIELD 2
30sqm (Sized for 10 occupants and VP=15)

SAND LAYER to be extended to penetrate drainable strata

NO PLANTING OVER FIELD PERMITTED

PART H BUILDING REGULATIONS

- FOUL WATER TREATMENT PLANT TO BE POSITIONED AT LEAST 10M FROM EXISTING/PROPOSED STRUCTURES
- FOUL WATER DRAINAGE FIELD TO BE POSITIONED AT LEAST 15M FROM EXISTING/PROPOSED STRUCTURES
- IN VIEW OF THE CONSTRAINTS OF THE SITE, THE FOUL WATER DRAINAGE FIELD WILL BE POSITIONED A MINIMUM OF 10M FROM EXISTING/PROPOSED STRUCTURES

-DRAINAGE KEY-

- Proposed Foul Water Manhole
- Proposed Foul Water Treatment Plant
- Proposed Foul Water Treatment Plant Sample Chamber
- Proposed Foul Water Drain
- Proposed Surface Water Manhole
- Proposed Surface Water Drain
- Proposed ACO Drain
- Proposed Surface Water Diffuser
- Proposed Surface Water Rodding Eye
- Proposed Porous Paving

-FOUL WATER STRATEGY-

- Foul water disposal should adhere to the following hierarchy;
 1. Public Sewer
 2. Private Treatment Plant
 3. Septic Tank and Drainage Field
 4. Cesspool
- It is proposed to utilise infiltration rates in order to implement a sewage treatment plant with associated drainage fields
- Soakage testing supplied by M2 Architecture, conducted by Constructive Evaluation Site Investigation

-SURFACE WATER STRATEGY-

- Surface water disposal should be managed in view of the SuDS hierarchy;
 1. Infiltration
 2. Watercourse
 3. Public Surface Water Sewer(s)
- Infiltration rate of 6.48085×10^{-5} used for design purposes as taken from on-site geotechnical investigation undertaken
- Surface water will be discharged to the sub-base layer(s) of the porous paving which is proposed for the main access road and parking areas
- The drainage strategy has been designed for 1-in-100 year storm events, with the allowance of 40% for climate change

DRAFT

Rev.	Date	Original Issue	SPB
1	05/02/2018		
Rev.	Date	Amendments	Drawn



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Client
Knightsgate UK Ltd

Project
**Land at Progress Garage,
Yapton Lane, Walberton BN18 0AS**

Drawing Title
**Preliminary Drainage Appraisal
(Constraints Review)**

Scale	1:200	Drawn By	SPB	Checked By	LDF	Approved By	LDF
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