Legend:

- Existing foul water sewer
- (5.80) Domestic surface water drain.
- Domestic foul water drainage
- Type 3 manhole
- ST Silt trap inspection chamber
- Unadopted highway gully
- H1 Headwall discharge to pond
- HB1 Discharge headwall structure with Hydro Brake limiting discharge to 2.0lis/sec (subject to agreement with ADC)
- +8.385 Proposed levels
- FFL 6.75 Proposed Finished Floor Level
- Carriageway crossfall
- Ditch: Filled with stone (porosity >0.4) or Aquacell cellular crates. Final design dependant on infiltration test results measured in accordance with BRE365.
- Bock paved parking/drive. Permeable if infiltration tests in accordance with BRE365 prove satisfactory
- Site boundary

Surface Water Drainage Strategy:

1. The proposed development will embrace the SuDS philosophy of sustainable drainage. The initial proposal and investigation would be to utilise infiltration methods as the means of surface water disposal. Tests will be undertaken across the site in accordance with BRE365 and winter ground water monitoring will be undertaken to ascertain the highest ground level and prove feasibility. Surface water run off from roofs will discharge to domestic trench soakaways. No soakaways to be sited within 5.0 metres of buildings or within root protection zones. All surface water drainage will pass through a silt trap before discharging into soakaways. Drives and parking areas would be constructed in permeable paving and designed in accordance with shallow infiltration test results undertaken in accordance with BRE365.
2. All infiltration measures would be designed in accordance with Environmental Agency guidlines with an allowance for climate change.
3. In the event of infiltration methods not being partially or totally feasible for the disposable of surface water drainage from the site it is proposed to utilise a trench system filled with gravel or aquacell crates that will transport flow from the development to the ditch running along the northern boundary of the site. Discharge from the site will be limited to the calculated greenfield run off rate and the ditch will be configured to retain the volume of water produced by the 100year storm event with a 40% allowance for climate change as advised by the Environment Agency.
4. The trench proposal,should infiltration methods be totally unfeasible, is shown in detail on this drawing. It would be necessary to re-assess trench proposals should some areas of the site be receptive to infiltration methods.

Foul Water Drainage Strategy:

1. North of the site, in Horsemere green Lane, is a public foul sewer. Under current legislation Southern Water would have no objections to the foul drainage discharge from the site connecting into this sewer. A new manhole would be constructed on the sewer which would be subject to a Section 106 agreement with Southern Water.

0m 10m 20m 30m

Scale 1:250m

Rev.	Date	Details	Initials
C	03.12.19	Adjustments in line with revised layout	KN
B	08.11.19	Ditch proposal and notes added	KN
A	20.09.19	First issue	KN

Drawing Status
INFORMATION FOR PLANNING

Project
LANGFORD
HORSEMERE GREEN LANE, CLIMPING

Client
MICHAEL HARTNETT EXECUTIVE HOMES

KAZYS NARBUTAS CONSULTING
Civil Engineering Consultant
Roughton, A2 Omega Park, Electron Way, Chandlers Ford, SO53 4SE
Telephone: 023 8027 8643 Email: kazys.n@knc.email

Drawing Title
Engineering Details
Drainage Strategy

Drawn	Checked	Scales	Paper Size	Date
KN		1:250	A1	09.19

Job No.	Drawing No.	Revision
KNC1933	602-01	C

This drawing is the copyright of Escher Silverman and may not be copied, altered or reproduced in any form or passed to a third party without the consent of Escher Silverman. Do not scale from this drawing, use figured dimensions only.
Dimensions should be checked and verified on site and any discrepancies should be reported to Escher Silverman as soon as possible.

ARUN DISTRICT COUNCIL CM/64/19/PL