



Surface Water Drainage:

1. Winter ground water monitoring and in-situ infiltration tests in accordance with BRE365 have been undertaken and favourable results show that the proposed development can embrace the SuDS philosophy of sustainable drainage and utilise soakaways and permeable paving as the means of surface water disposal.

Foul Water Drainage:

2. Foul sewer drainage connection will be made to the public sewer in West Walburton Pound Lane, subject to a Section 106 Agreement with Southern Water.
3. The proposed development of 8 No. residential dwellings will produce a foul water discharge of 0.37 l/s/sec.

Surface Water Drainage Legend:

- Indicative domestic surface water drain.
- TYPE 3 - 450mm Ø with B125/D400 cover
- 450mm Ø Silt Trap
- Indicative location of proposed domestic trench soakaways. Sizing determined by in-situ infiltration testing. Soakaways designed in accordance with Environment Agency criteria for 1 in 100 years storm return +40% climate change and sited a minimum of 5.0m from new dwellings.

Foul Water Drainage Legend:

- New Type 2 manhole constructed on existing foul sewer with backdrop connection
- Domestic foul water sewer and manholes
- Type 2 - 1200mm Ø with D400 cover and frame
- Type 3 - 450mm Ø with B125/D400 cover and frame
- Type 4 Shallow PPIC inspection chamber - 225mm Ø with A15/B125 cover and frame. Invert 750mm lower than FFL unless noted otherwise
- Existing foul water sewer

Key:

- Permeable block paved access road construction
- Permeable block paved drive construction
- Tree Root Protection Zone

C	30.04.19	Layout amended, full surface water and foul drainage proposals added	KN
B	08.08.18	Layout adjusted	KN
A	02.07.18	First issue	KN
Rev.	Date	Details	Initials

Drawing Status
FOR PLANNING

Project
ARUNDEL ROAD
FONTWELL

Client
Crayfern
HOMES

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Drawing Title
Engineering Layout
Drainage Feasibility

Drawn	Checked	Scales	Paper Size	Date
KN		1:500	A1	07.18
Job No.	Drawing No.		Revision	
ES1822	502-001		C	

SAFETY, HEALTH & ENVIRONMENTAL
INFORMATION
CDM Regulations 2015

In addition to the hazards/risks normally associated with the type of work detailed on this drawing note should be made of the following:

- Working in vicinity of live highway
- Existing services in highway and off site drainage route
- Deep excavations
- Working on live sewers

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement. Contractor is not relieved of any of his obligations under all applicable health and safety regulations.