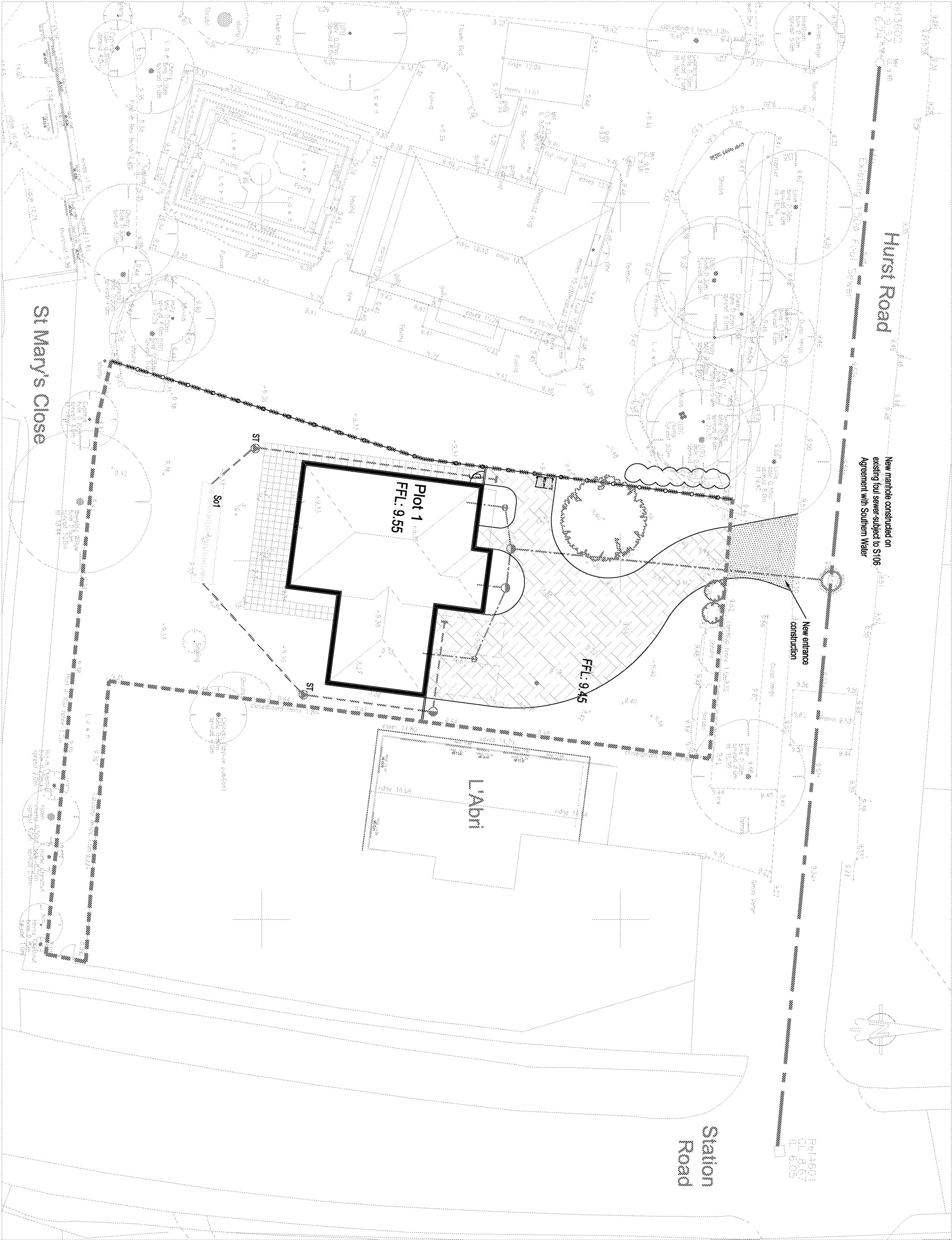


1:250

SOAKAWAY DETAILS: Domestic Trench Soakaway

Soakaway Ref	Area Draining m ²	Width m	Length m	Ground level	Invert level incoming pipe	Soakaway base invert	Infiltration Zone
So1	157	1.5	7.0	9.35	8.65	7.45	A

Infiltration Zone

Infiltration Zone	Soakage Rate (m/hr)	Soakage Rate (m/hr)
A	1:14-56	0.04-104

Infiltration rates taken from results from adjacent site. Values to be confirmed by field tests.

Surface Water Drainage:

- The proposed development will embrace the SUDS philosophy of sustainable drainage and utilise soakaways as the means of surface water disposal subject to in-situ infiltration tests proving that this is feasible. Infiltration tests undertaken at the nearby development in Station Road showed that the use of soakaways for surface water disposal was appropriate. Winter monitoring of the development site groundwater level is currently being undertaken.

Foul Water Drainage:

- Southern Water have confirmed capacity in the sewer network to cater for the proposed development, connection to be to the public sewer will be subject to a Section 106 Agreement with Southern Water.

Drainage legend:

- New Type 2 manhole constructed on existing foul sewer
- Indicative domestic foul water drainage
- Indicative domestic surface water drainage

Proposed domestic trench soakaways.
Siting and viability to be determined by in-situ infiltration testing. Soakaways to be designed in accordance with Environment Agency criteria and sited a minimum of 5.0m from new dwellings.

Polypropylene Inspection Chamber Types:

- Type 3 - 450mm Ø with A15B125/D40 cover
- Type 4 - 250mm Ø with A15B125 cover
Invert 750mm lower than FFL unless noted otherwise
- ST - Type 5 - 450mm Ø Omega Silt Trap with A15B125 cover

Surfacing legend:

- Permeable block paved access and drive
- New entrance construction
- Development Area

Rev.	Date	Details	Initials
B	25.09.17	Amended with revised layout	KN
A	14.02.17	First Issue	KN

Drawing Status

Project
**HURST ROAD
EAST PRESTON**

Client

MICHAEL HARTNETT
EXECUTIVE HOMES

Civil & Structural Consulting Engineers
Kingsholm, 43 Chichester Road, Brighton, BN1 4JG
Tel: 01273 521213 Email: info@csce.co.uk
www.csce.co.uk

Drawing Title		Scale	Page Size	Date
Engineering Drawing Drainage Strategy		1:250	A2	02.17

Drawn	Checked	Scale	Page Size	Date
KN		1:250	A2	02.17
Job No.	Drawing No.	Revision		
ES1702	502-00	B		