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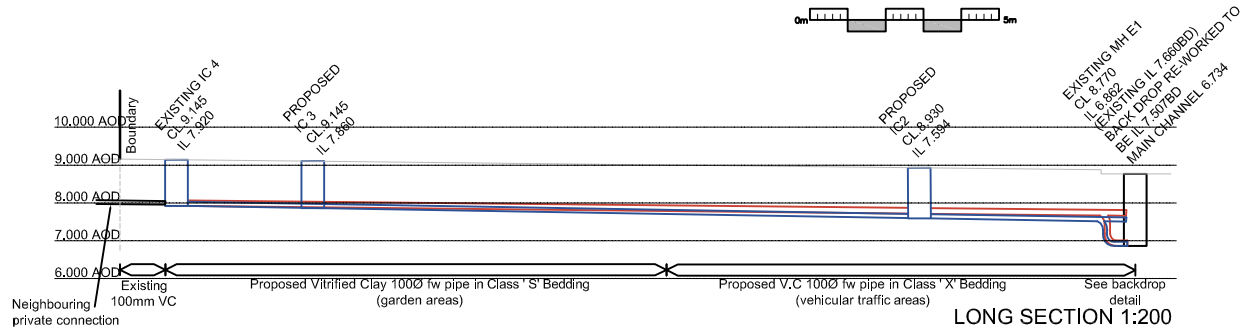
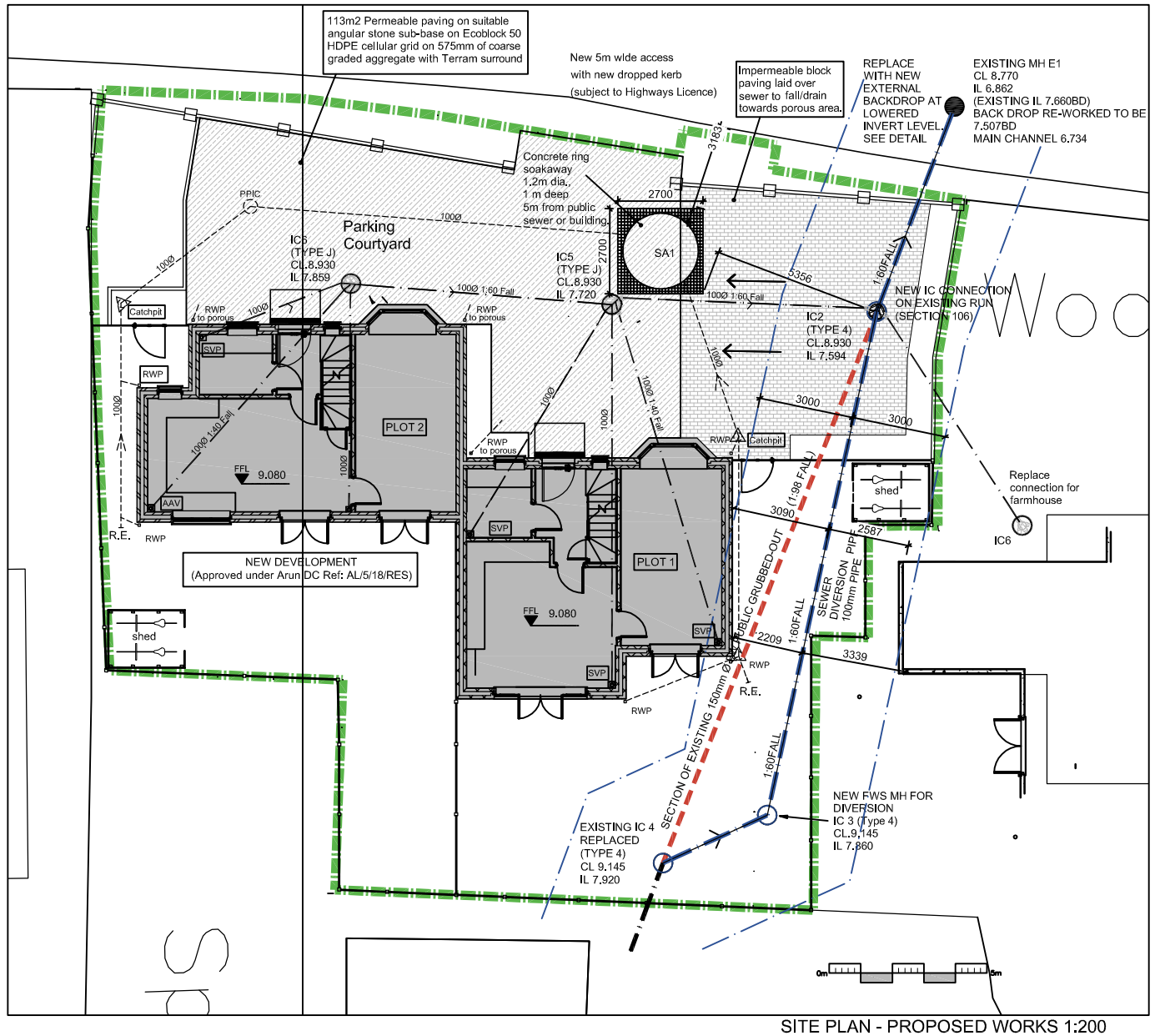
0m 50m

SITE LOCATION PLAN 1:1250



LONG SECTION 1:200



SITE PLAN - PROPOSED WORKS 1:200

ALL WORKS TO PUBLIC AND ADOPTABLE SEWERS SHOULD BE IN ACCORDANCE WITH THE WRC – SEWERS FOR ADOPTION 7TH EDITION

NOTES

1. Brickwork manholes are to be built in English Bond.
2. Where corbelling is required the oversall should not exceed 30mm per course.
3. Manhole covers and frames shall comply with the relevant provisions of BS EN 124 and they shall be of a non-rocking design which does not rely on the use of cushion inserts.
4. All plastic pipes below ground to be Osma Wavin.
5. All manholes shall have closed keyways.
6. Vitrified clay pipes and pipe fittings shall comply with the relevant requirements of BS EN 295 and BS 65 respectively and be of normal type with flexible mechanical joints.
7. Concrete pipes and fittings shall comply with the relevant requirements of BS 5911 Part 100, and BS EN 1916.
8. The style shown for the pipe joints is indicative only. Whether these are sleeve joints or spigot and socket joints will be specified separately.
9. Where pipes of large dia occur in Type C Manholes it is not always possible to corbel the brickwork as required. In these situations a lintel as shown supplied by Supreme Concrete may be used as a reducing slab.
10. The Engineer will specify the type, material, strength and bedding class of the pipes to be used.
11. Specification for pipe bedding material.

Type A Granular material shall be to BS EN 13242 as follows–:

either	for 100mm dia pipes	:	10mm nom size
	150mm dia pipes	:	10–14mm nom size
	greater than 150mm dia pipes	:	10, 14 or 20mm nom size single size aggregate
or	for 150mm dia pipes	:	graded 14mm–5mm
	greater than 150mm	:	graded 20mm–5mm

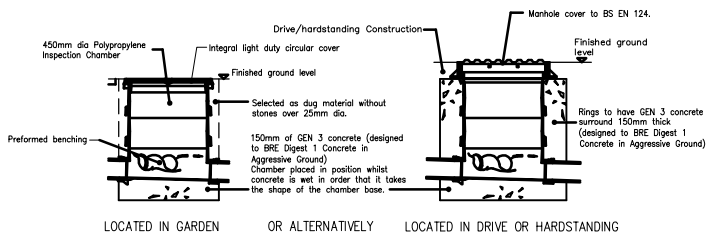
Type B material may be selected as dug material or imported granular material.

Selected as dug material shall be readily compactable excluding stones greater than 40mm size and clay lumps greater than 100mm size. Cohesive soils such as clay is not suitable.

Imported material shall conform to BS EN 1610.

12. General backfill. Normally the excavated material from the trench will be suitable for backfill above the selected material. Boulders, lumps of concrete, timber and vegetable matter should be excluded.
13. Sulphate resisting cement is to be used in all mortar and insitu concrete. Minimum concrete grade to be C20.

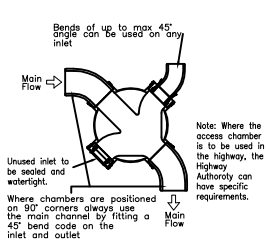
For precast concrete pipes or manholes a minimum Class 3 Sulphate resistance is required.

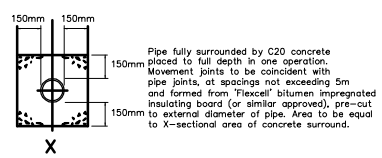


DEMARCATION CHAMBER – TYPE J

Maximum depth to soffit 1.2m
Maximum lateral drain diameter 150mm

Note: If the manhole is greater than 1.2m deep then access is to be restricted to 300x300 or 350ø by the installation of a telescopic raising piece assembly

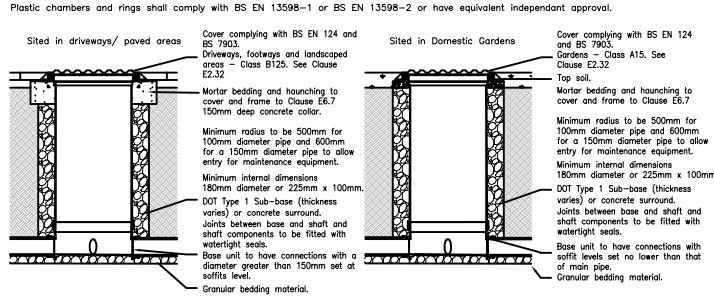


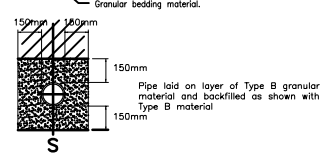


TYPICAL INSPECTION CHAMBER DETAIL – TYPE 4

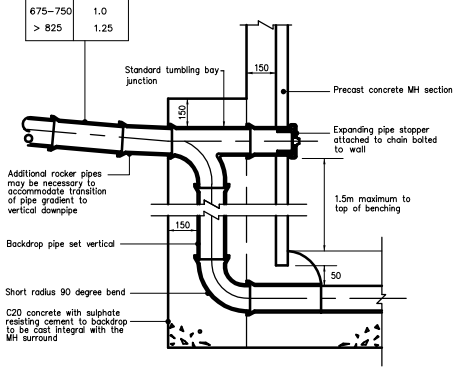
Maximum depth from cover level to soffit of pipe 2m, Non-entry.

Plastic chambers and rings shall comply with BS EN 13598–1 or BS EN 13598–2 or have equivalent independant approval.





Pipe Dia.	Rocker Pipe length
150–600	0.6
675–750	1.0
> 825	1.25



90° VERTICAL BACKDROP

LOCATIONS	CLASS
Pedestrian Traffic	A15
Light Traffic	B125
Heavy Traffic	D400

Recessed covers which are galvanised to BS EN 1461 are to be used in blockwork areas, such as Clark–Drain 'Recessed Block Pavior Manhole Cover'

MANHOLE COVERS

ASSUMED DETAILS - TO BE ADVISED BY SOUTHERN WATER

Guilfoyle

Rear of Woodgate Farm

Hook Lane, Woodgate,
Westergate. PO20 3SS

Job title:	Development at rear of Woodgate Farm
Drawing title:	Proposed drainage diversion
Drawing number:	171123_02
Client:	Guilfoyle Construction Ltd
Revision:	**C1**
Date of revision:	22.05.2018
Revision detail:	Revisions to foul drainage. Issued for legal Agreement.
Status:	**INFORMATION**

Drawn by:	SLH
Checked by:	JG
Date:	23.11.2017
Scale (A3):	1:1250 / 1:200 / 1:50

NHBC Registered builder

FMB The sign of building quality

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Improving the built environment

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