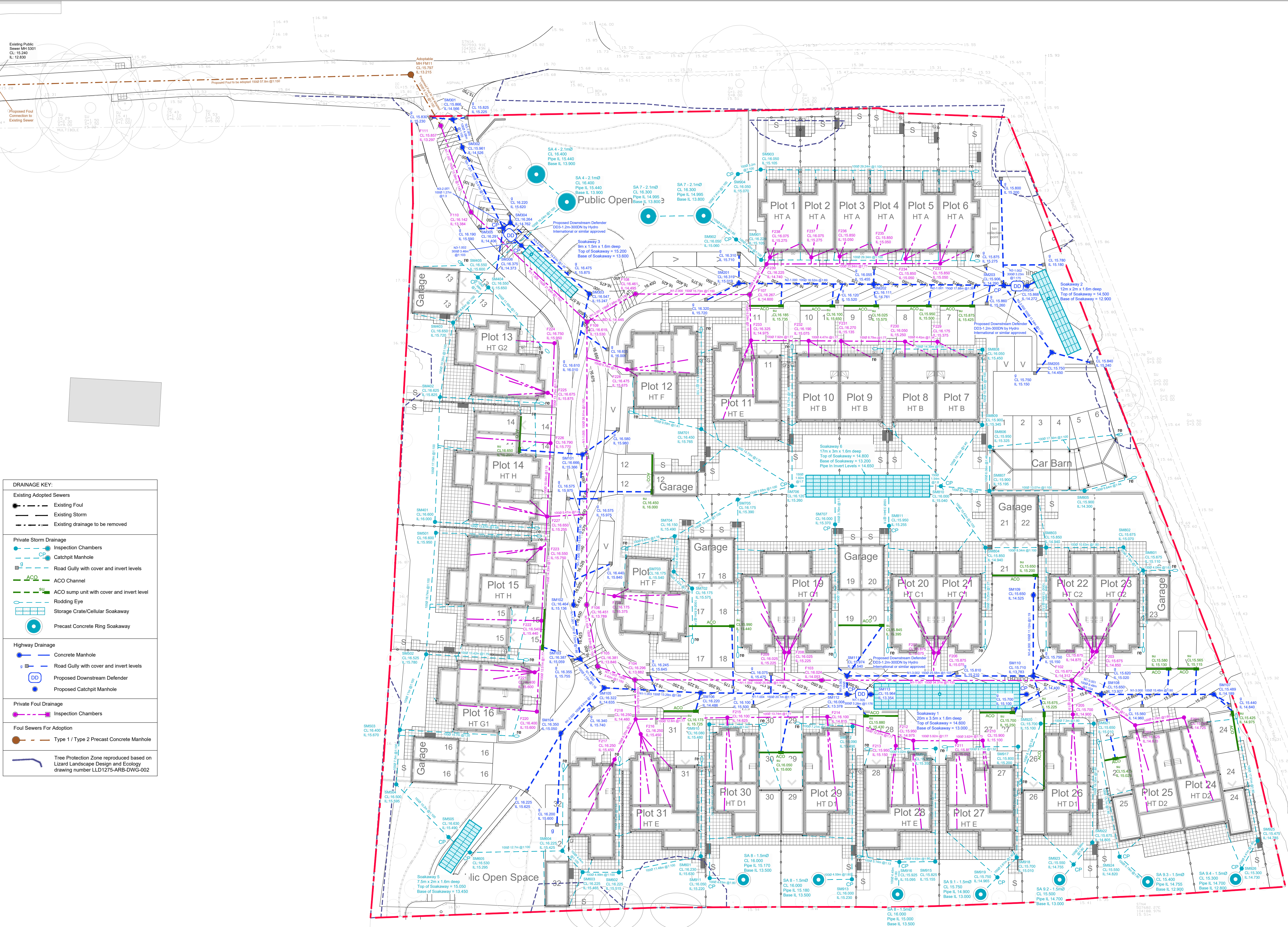


DRAINAGE KEY:	
Existing Adopted Sewers	
	Existing Foul
	Existing Storm
	Existing drainage to be removed
Private Storm Drainage	
	Inspection Chambers
	Catchpit Manhole
	Road Gully with cover and invert levels
	ACO Channel
	ACO sump unit with cover and invert level
	Rodding Eye
	Storage Crate/Cellular Soakaway
	Precast Concrete Ring Soakaway
Highway Drainage	
	Concrete Manhole
	Road Gully with cover and invert levels
	Proposed Downstream Defender
	Proposed Catchpit Manhole
Private Foul Drainage	
	Inspection Chambers
Foul Sewers For Adoption	
	Type 1 / Type 2 Precast Concrete Manhole
Tree Protection Zone reproduced based on Lizard Landscape Design and Ecology drawing number LLD1275-ARB-DWG-002	



- NOTES:
1. All dimensions to be checked on site. All details and dimensions relating to sub-Contractors work must be checked and agreed between the sub-Contractor or supplier and the general Contractor.
 2. This drawing is to be read in conjunction with all relevant Architect's and Engineer's drawings and specification.
 3. The main Contractor is responsible for ensuring the stability of the structure whilst the works are in progress.
 4. Any information given regarding existing underground services is given in good faith after consultation with the relevant authority. No liability is accepted by the Consultant and the main Contractor is responsible for obtaining and checking all information and taking due care and attention whilst undertaking the works.
 5. All pipes, bends and junctions shall be verified clay to BS EN 295-1, with flexible joints and kitemark certified. Alternatively all pipes and fittings can be UPVC conforming to BS EN 1401-1 and shall be laid in accordance with the manufacturers specification. If UPVC pipes are to be used then the manufacturer shall be approved by the Engineer prior to construction.
 6. All Adoptable sewers shall be in strict accordance with the current edition of Sewers For Adoption. Unless otherwise stated adoptable sewers shall be 150mm diameter and shall be laid in a class S bedding. Where the depth to soffit is less than 1.2m under a public highway or 0.9m elsewhere the pipe shall be laid with a class Z bedding.
 7. All private building drainage shall be constructed in strict accordance with BS EN 752:1996. Unless otherwise specified building drainage shall be 100mm diameter and shall be laid at a minimum gradient of 1 in 40 for foul drains and 1 in 80 for surface water drains. All building drains shall be laid in class B bedding unless otherwise specified.
 8. Where the service trench is near to the foundation of any building, refer to the guidance in Approved Document H, Building Regulations Part H1.
 9. Where pipes, external to the structures, have a depth to soffit from ground level of less than 450mm they shall have a class GEN 3 concrete encasement (150mm thick). In all other cases the pipes shall be bedded and surrounded with 100mm thick granular material.
 10. In any circumstances where pipes are bedded and surrounded in concrete flexible joints should be provided. Compressible boards (fibreglass or polystyrene) shall be provided at a maximum of 8m centres (coinciding with pipe joints). The boards shall be pre-cut to pipe diameter and to a height and width equal to the concrete cross section. A board thickness of 18mm for pipes up to 450mm nominal diameter and 36mm for pipes over 450mm nominal diameter.
 11. All svs shall have rodding access plates fitted at their bases (ground floor level).
 12. Where existing pipes are to be abandoned they shall be dug out together with any abandoned manholes.

E	15.01.21	PR	Bypass separators replaced with Downstream Defenders. Key updated.	SB
D	30.09.20	PR	Soakaway sizes updated.	SB
C	18.05.20	PR	Drainage updated.	SB
B	01.07.19	PR	New Site Plan added. Soakaway design revised following soakage test results. Drainage updated to suit.	SB
A	15.03.18	TZ	Revised to suit new plan	SRM
REV	DATE	INT	DESCRIPTION	CHK

Issue Status PRELIMINARY

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practice

CLIENT	Roffey Homes Ltd		
PROJECT	Manor Nurseries Site Angmering		
TITLE	Proposed Drainage Strategy		
DRAWN	DATE	PROJECT NO.	
T Zajac	Mar 2018	22995	
ENGINEER	CHECKED	DWG. NO.	REV.
S Magowan		102	E
SCALE	1:250 @ A1		