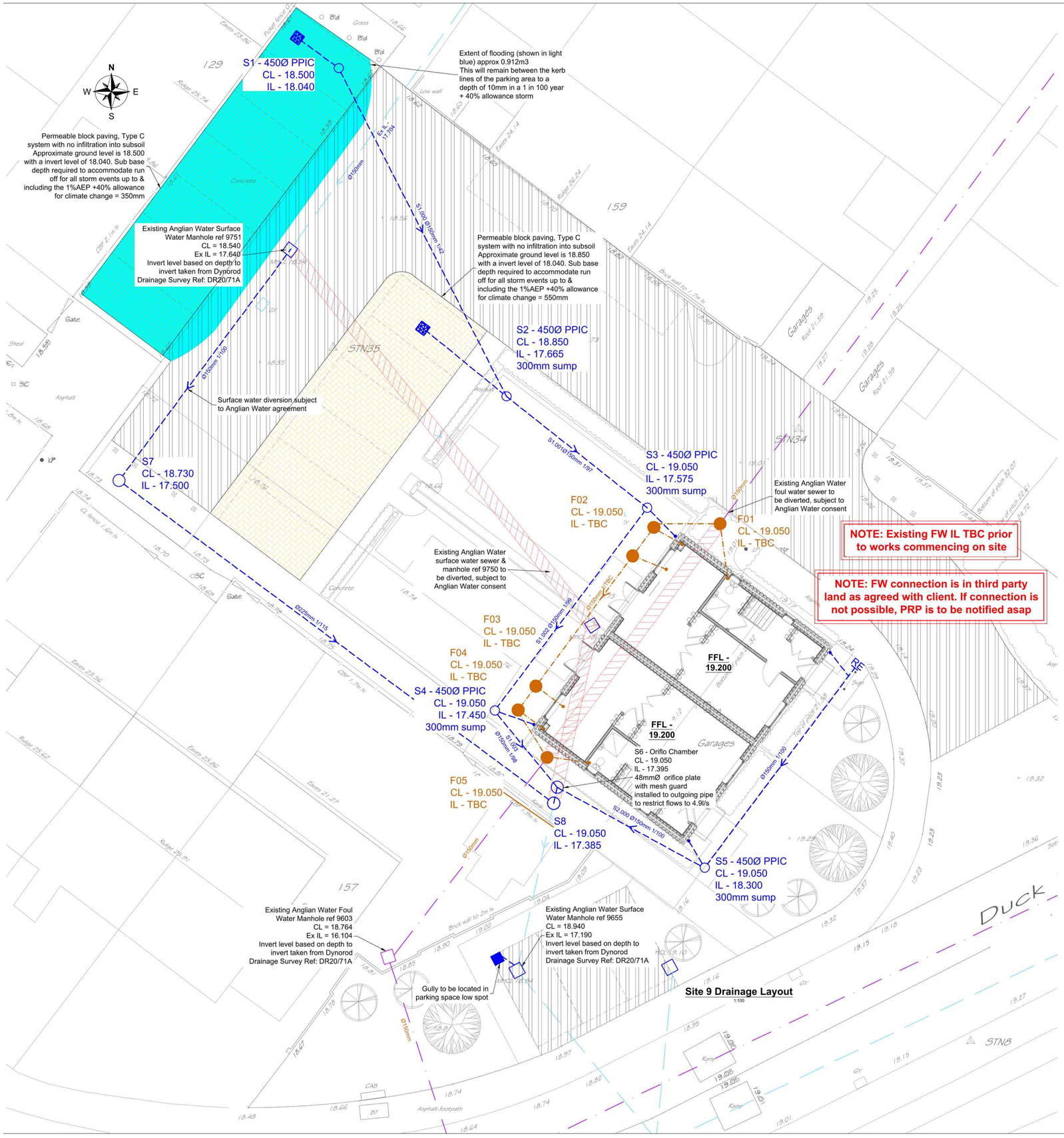

Drainage Legend:

- Existing Surface Water
- Existing Foul
- New Surface Water (S, ØXXXmm 1/X)
- New Foul (F, ØXXXmm 1/X)
- Gully
- Diffuser Unit
- Rodding Eye (RE)
- Perforated pipe
- Exceedance flood flow routing directed towards parking area
- Slope (1/X)
- New Tarmac Areas
- New permeable block paving, Type C system with no infiltration into subsoil
- Site Boundary
- Drainage to be removed

Notes:

1. DO NOT SCALE FROM THIS DRAWING.
2. All dimensions are in millimetres Unless Noted Otherwise (u.n.o.)
3. Drawing is to be read in conjunction with all relevant architect's drawings. Any inconsistencies should be reported to PRP immediately.
4. All levels and dimensions are to be checked on site before any work commences.
5. For more information see PRP drawings:
   63755 - 100series - Drainage and External Works
   63755 - 200series - Foundations
   63755 - 300series - Superstructure

Drainage:

1. The position, line, level and diameter of all existing drainage apparatus should be confirmed on site prior to the commencement of the works. Any discrepancies should be reported to PRP immediately.
2. The connection of foul and surface water drainage to the existing public sewer system shall be subject to the approval of the water authority
3. For positions of all rainwater pipes & foul outlets refer to Architect's drawings.
4. Drainage designed in accordance with the Sewerage Sector Guidance, Design and Construction Guidance ("the Code") Approved Version 2.0, 10 March 2020.
5. All joints between precast manhole components shall have a minimum uncompressed thickness of 10mm of proprietary bitumen or resin mastic sealant.
6. Chambers & manholes with outgoing pipes of greater than Ø600mm shall be fitted with removable stainless steel (grade 316) safety chains or polypropylene rope.
7. Storm & foul branch connections are to be laid at gradients of between 1:10 & 1:80
8. All in-situ concrete shall be minimum grade GEN3.
9. Precast concrete cover & reducing slabs to be heavy duty reinforced concrete to BS 5911.
10. Rising mains shall be black MDPE SDR11 as WI 4-32-03 & joints & fittings to be in accordance with WI 4-32-04. Other approved pipe materials to be in accordance with their relevant BS.
11. Manhole covers & frames shall be manufactured in cast iron or ductile iron & shall comply with requirements of BS EN 124 & shall be kite marked or equivalent.
12. Where there is no intermediate manhole between the start of a surface water pipe run and the soakaway the gradient of the run shall be not less than 1 : 60.
13. All completed work shall be suitably protected from damage by construction work. Damaged drainage will not be accepted. It is recommended that no heavy loading or underground work is permitted above or near unprotected drainage, and that dumpers, trucks, fork lifts or other heavy vehicles are not driven along or near pipe runs.
14. Inspection chambers, soakaways and flow control units are to be installed strictly in accordance with manufacturer guidance and instructions

Rev	Date	Description	By / Chk
C2	25/07/2023	Extent of flooding shown	DB / GF
C1	18/07/2023	Issued for Construction	DB / GF
P3	29/06/2023	Layout amended	GF /
P2	19/05/2023	Minor amendments	JD / PK
P1	24/04/2023	DRAFT Issued for comments	JD / PK

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Client: marfleet and blyth

Architect: The Design Partnership

Project: Mallard and Duck Lane
St Neots

Title: Drainage
Site 9
Layout

Status: **CONSTRUCTION**

Engineer:	BMS	Date:	Mar 2023
Drawn:	JD	Scales @ A1:	1:100
Checked:	BMS		
Project No:	63755	Drg No: 1090	Rev: C2

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