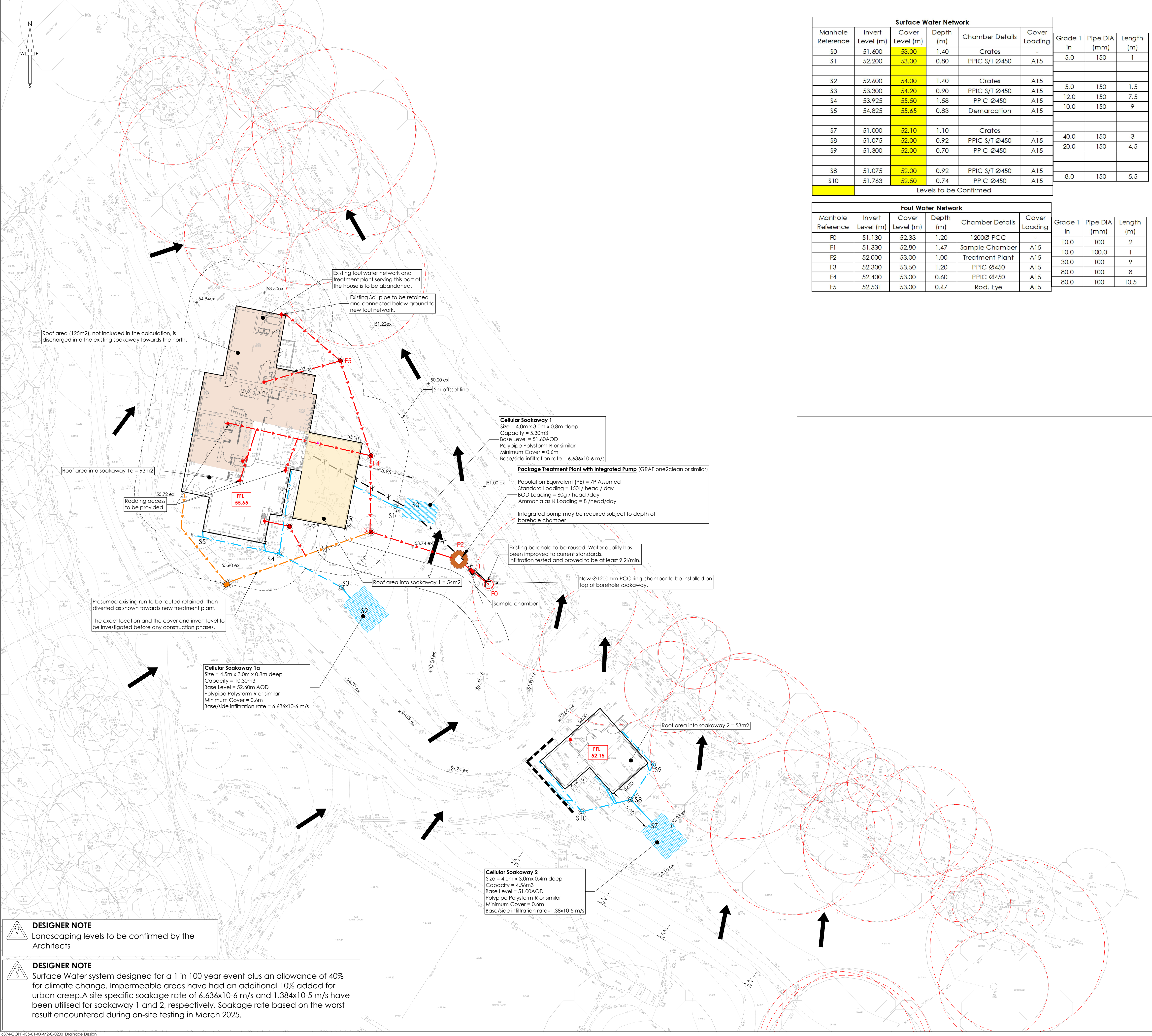


GROUND FLOOR



Surface Water Network						
Manhole Reference	Invert Level (m)	Cover Level (m)	Depth (m)	Chamber Details	Cover Loading	
S0	51.600	53.00	1.40	Crates	-	
S1	52.200	53.00	0.80	PPIC S/T Ø450	A15	
S2	52.600	54.00	1.40	Crates	A15	
S3	53.300	54.20	0.90	PPIC S/T Ø450	A15	
S4	53.925	55.50	1.58	PPIC Ø450	A15	
S5	54.825	55.65	0.83	Demarcation	A15	
S7	51.000	52.10	1.10	Crates	-	
S8	51.075	52.00	0.92	PPIC S/T Ø450	A15	
S9	51.300	52.00	0.70	PPIC Ø450	A15	
S8	51.075	52.00	0.92	PPIC S/T Ø450	A15	
S10	51.763	52.50	0.74	PPIC Ø450	A15	
Levels to be Confirmed						

Grade in	Pipe DIA (mm)	Length (m)
5.0	150	1
5.0	150	1.5
12.0	150	7.5
10.0	150	9
40.0	150	3
20.0	150	4.5
8.0	150	5.5

Foul Water Network						
Manhole Reference	Invert Level (m)	Cover Level (m)	Depth (m)	Chamber Details	Cover Loading	
F0	51.130	52.33	1.20	1200Ø PCC	-	
F1	51.330	52.80	1.47	Sample Chamber	A15	
F2	52.000	53.00	1.00	Treatment Plant	A15	
F3	52.300	53.50	1.20	PPIC Ø450	A15	
F4	52.400	53.00	0.60	PPIC Ø450	A15	
F5	52.531	53.00	0.47	Rod. Eye	A15	

Grade in	Pipe DIA (mm)	Length (m)
10.0	100	2
10.0	100.0	1
30.0	100	9
80.0	100	8
80.0	100	10.5



- NOTES
- All dimensions and levels are in metres unless otherwise noted
 - This drawing is to be read in conjunction with the relevant Architect's/Engineer's drawings, specifications and CDM documentation
 - This drawing has been produced electronically and may have been photo reduced or enlarged when copied. Work to figured dimensions only (DO NOT SCALE - EXCEPT FOR PLANNING PURPOSES). All dimensions to be checked on site. Any errors or omissions to be reported to the engineer immediately.
 - This drawing contains coloured lines / information that may not be clear if reproduced in black and white.
 - Digital copies of this plan can only be considered accurate if supplied directly by Infrastruct CS Ltd.

Drainage Key	
Sewers	
	Foul water drain (private/non adoptable)
	Surface water drain (private/non adoptable)
	Foul Water - Internal, by others
	Existing foul water drain (private/non adopted)
	Redundant sewer
Chamber Key	
FW/SW	
	Mini access chamber (mac) - 300mmØ
	PPIC - 475mmØ*
	P.C.C. units/brick*
* General note (Refer to standard details & longitudinal sections for chamber sizes. Size may need to increase dependant on number of incoming pipes/size of incoming pipes)	
	Rodding eye
	Rain water down pipe (roddable access)
	Soil vent pipe/soil stack
	Silt Trap (ST) with removable silt bucket
	Manhole reference number
	Cellular storage (refer to drawing for sizes)
	Tree root protection zone (RPZ)
	Finished Floor Level (FFL)
	New Extension (54m2)
	Flood exceedance routing

- CDM RESIDUAL RISK ITEM**
Overhead cables within site area.
- CDM RESIDUAL RISK ITEM**
Existing services likely within working area. Danger to site personnel and general public
- CDM RESIDUAL RISK ITEM**
Drainage pipes, manhole rings covers and fittings. Risk of Manual handling injury.
- CDM RESIDUAL RISK ITEM**
Contact with waste water when making drainage connections. Risk of infection from Wells disease etc.
- CDM RESIDUAL RISK ITEM**
Above Ground activities. Possibility of objects falling from operations at high level onto persons working or passing below.
- CDM RESIDUAL RISK ITEM**
Works within confined spaces.

DESIGNERS CDM NOTE - RESIDUAL RISKS IDENTIFIED

The design Engineer(s) have analysed this design as the scheme has been developed, in order to identify if there are any significant residual risk hazards (i.e. unusual, unexpected, abnormal or difficult).

Residual risks **HAVE** been identified and are therefore shown on this drawing. These risks have not been possible to remove by design.

This statement assumes that a competent Contractor with the appropriate qualified staff will be employed for the works, and that they will be familiar with site wide construction risks and hazards that can reasonably be expected to encounter as part of their work.

BURIED UTILITIES RISK NOTE

- Buried utilities are present on and in the vicinity of the site.
- The Contractor must satisfy themselves that they have seen utility returns for the area and that appropriate Risk Assessment Method Statement (RAMS) are in place and implemented to ensure that buried and/or overhead services are located prior to any works taking place.
- Any RAMS shall address safe procedures for protection and working in the proximity of services.

Construction Note

It is essential that new drainage associated with the development is laid from the outfall(s) into the site. This is essential to avoid unforeseen obstructions where encountered (such as services). If the drainage is laid from the site out to the outfall it can result in significant abortive works to relay and overcome such obstructions.

Location of Public Sewers have been taken from record drawings which should be fully substantiated by the contractor prior to commencing works on site

All manholes covers located within cartageways shall have no slip covers to prevent motorcycles/cycles losing control

Manhole schedules - Invert level shown related to the deepest pipe within the chamber

All adoptable drainage works to follow the requirements of Water UK - Design and Construction Guide (DCG).

P08	APL	AJG	Notes amended	14/08/2026
P07	APL	AJG	Damage schedule amended	16/02/26
P06	APL	AJG	Amended in line with clients comments	13/02/26
P05	APL	MBD	Amended in line with clients comments	28/01/26
P04	NJ	MBD	Size of extension reduced, foul water updated	16/12/25
P03	AA	MBD	Soakaway re-calculated	13/05/25
P02	AA	MBD	Foul water route updated	17/04/25
P01	AA	MBD	Initial issue	10/04/25

REV	DRAWN	CHECK	REVISION COMMENTS	ISSUE DATE
DRAWING TITLE				
Drainage Design				
PROJECT				
The Coppers Penny Lane, Wargrave Wokingham, RG10 8PB				
CLIENT				
Andrew Pearson				
Infrastruct CS Ltd				
SCALE @ A1 1:200				
ENGINEER MBD				
PROJECT NUMBER 6394				
STATUS S2				
ISSUE PURPOSE INFORMATION				
MANHOLE SCHEDULES - INVERT LEVEL SHOWN RELATED TO THE DEEPEST PIPE WITHIN THE CHAMBER				
PROJECT ORIGIN ICS				
PHASE 01				
LEVEL XX				
TYPE DR				
ROLE C				
NO. 0200				
REVISION P08				