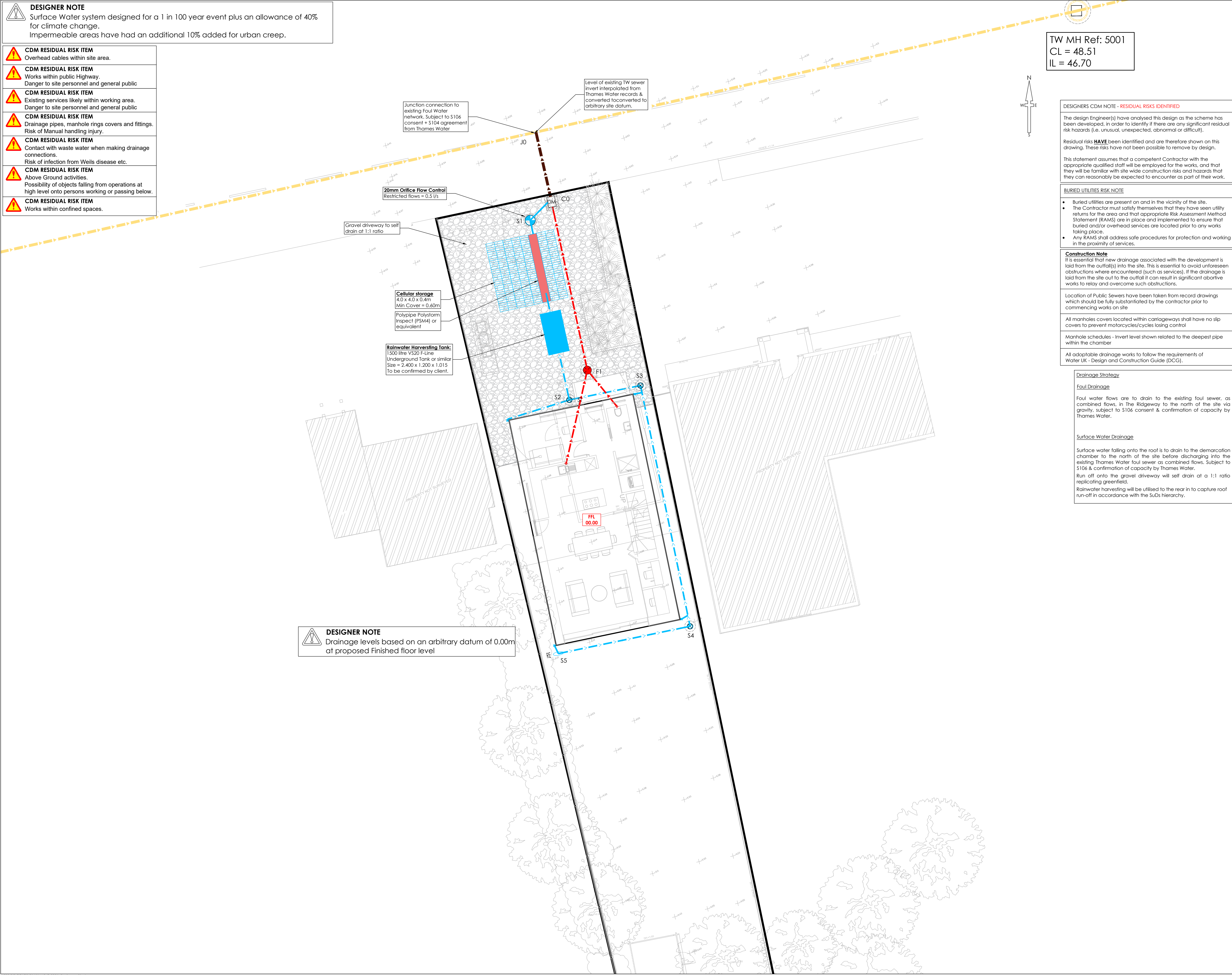


DESIGNER NOTE
Surface Water system designed for a 1 in 100 year event plus an allowance of 40% for climate change.
Impermeable areas have had an additional 10% added for urban creep.

- CDM RESIDUAL RISK ITEM**
Overhead cables within site area.
- CDM RESIDUAL RISK ITEM**
Works within public Highway.
Danger to site personnel and general public
- 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 they 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 carriageways 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).

Drainage Strategy

Foul Drainage

Foul water flows are to drain to the existing foul sewer, as combined flows, in the Ridgeway to the north of the site via gravity, subject to S106 consent & confirmation of capacity by Thames Water.

Surface Water Drainage

Surface water falling onto the roof is to drain to the demarcation chamber to the north of the site before discharging into the existing Thames Water foul sewer as combined flows. Subject to S106 & confirmation of capacity by Thames Water.

Run off onto the gravel driveway will self drain at a 1:1 ratio replicating greenfield.

Rainwater harvesting will be utilised to the rear in to capture roof run-off in accordance with the SuDs hierarchy.

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)
	Combined water sewer (Adoptable)
	Existing foul water sewer (Adopted)

Chamber Key
FW/SW

	PPIC - 475mmØ*
	Adoptable demarcation manhole within 1m of boundary

* 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)

	Surface water rodding eye
	Rain water down pipe (roddable access)
	Soil vent pipe/soil stack
	Silt Trap (ST) with removable silt bucket
	Cellular storage (refer to drawing for sizes)
	Finished Floor Level (FFL)
	Self draining gravel

P04	FM	APL	Surface water amended to connect into existing Thames Water foul sewer	24/03/24
P03	FM	APL	Design amended using FBH data in place of FSR	12/01/24
P02	FM	APL	Rainwater harvesting added	24/10/25
P01	FM	APL	Initial issue	13/10/25
REV	DRAWN	CHECK	REVISION COMMENTS	ISSUE DATE
DRAWING TITLE Drainage Strategy				SHEET NO. 1/1
PROJECT No.7a The Ridgeway Woodley Reading, RG5 3QD				
CLIENT Gresford Architects Ltd		 Infrastruct CS Ltd		
SCALE @ A1 1:100				ENGINEER APL
PROJECT NUMBER 6508	STATUS S2	ISSUE PURPOSE INFORMATION		DRAFT NJ
PROJECT RIDGE	ORIGIN ICS	PHASE 01	LEVEL XX	TYPE DR
		ROLE C	NO. 0001	REVISION P04