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.

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.

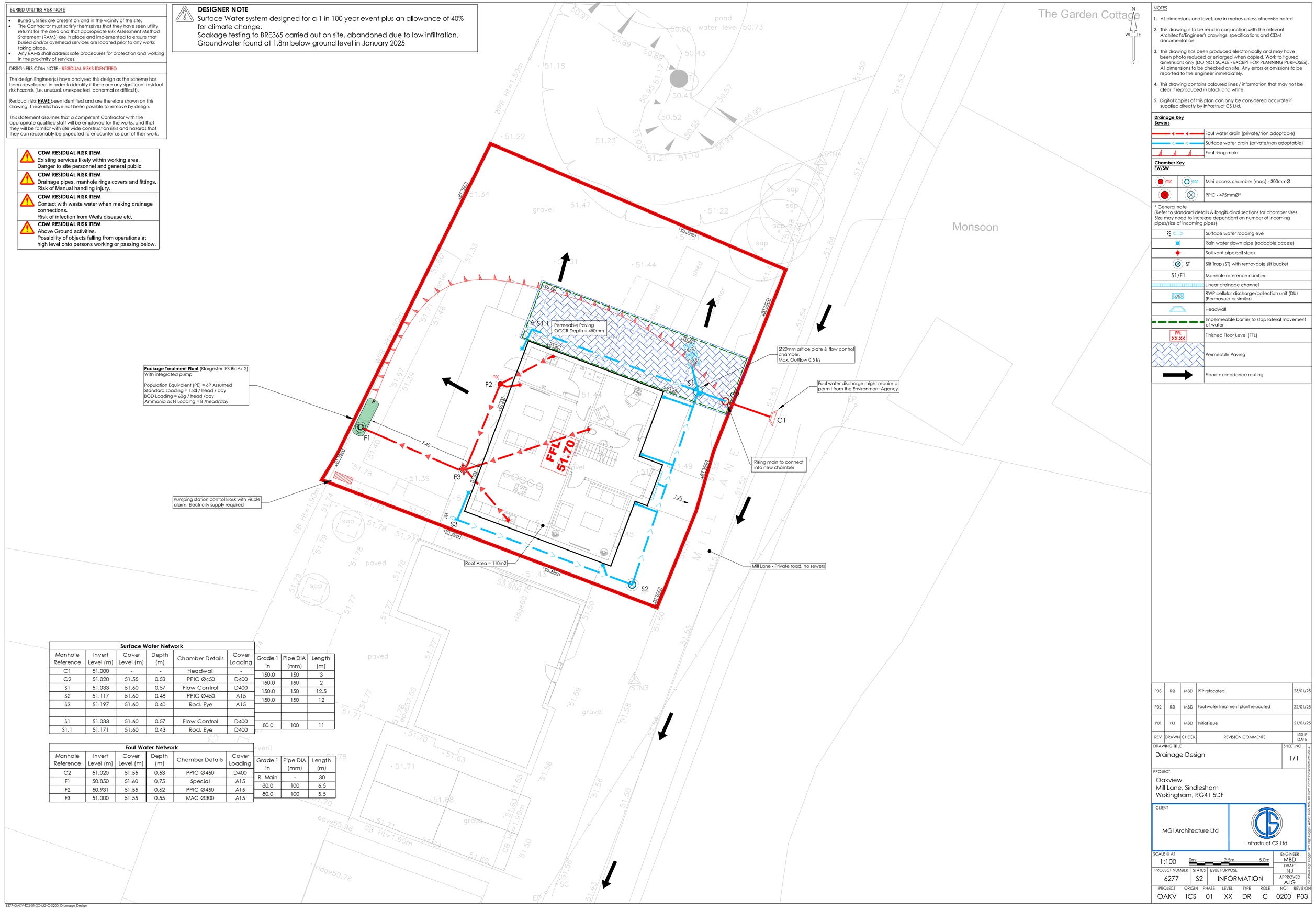
CDM RESIDUAL RISK ITEM
Existing services likely within working area.
Danger to site personnel and general public

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 Weils disease etc.

CDM RESIDUAL RISK ITEM
Above Ground activities.
Possibility of objects falling from operations at high level onto persons working or passing below.

DESIGNER NOTE
Surface Water system designed for a 1 in 100 year event plus an allowance of 40% for climate change.
Soakage testing to BRE365 carried out on site, abandoned due to low infiltration.
Groundwater found at 1.8m below ground level in January 2025



Surface Water Network

Manhole Reference	Invert Level (m)	Cover Level (m)	Depth (m)	Chamber Details	Cover Loading
C1	51.000	-	-	Headwall	-
C2	51.020	51.55	0.53	PPIC Ø450	D400
S1	51.033	51.60	0.57	Flow Control	D400
S2	51.117	51.60	0.48	PPIC Ø450	A15
S3	51.197	51.60	0.40	Rod. Eye	A15
S1	51.033	51.60	0.57	Flow Control	D400
S1.1	51.171	51.60	0.43	Rod. Eye	D400

Grade 1 in	Pipe DIA (mm)	Length (m)
150.0	150	3
150.0	150	2
150.0	150	12.5
150.0	150	12
80.0	100	11

Foul Water Network

Manhole Reference	Invert Level (m)	Cover Level (m)	Depth (m)	Chamber Details	Cover Loading
C2	51.020	51.55	0.53	PPIC Ø450	D400
F1	50.850	51.60	0.75	Special	A15
F2	50.931	51.55	0.62	PPIC Ø450	A15
F3	51.000	51.55	0.55	MAC Ø300	A15

Grade 1 in	Pipe DIA (mm)	Length (m)
R. Main	-	30
80.0	100	6.5
80.0	100	5.5

NOTES

1. All dimensions and levels are in metres unless otherwise noted
2. This drawing is to be read in conjunction with the relevant Architect's/Engineer's drawings, specifications and CDM documentation
3. 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.
4. This drawing contains coloured lines / information that may not be clear if reproduced in black and white.
5. 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 rising main

Chamber Key
FW/SW

mac / mac	Mini access chamber (mac) - 300mmØ
/	PPIC - 475mmØ*

* 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)

RE	Surface water rodding eye
	Rain water down pipe (roddable access)
	Soil vent pipe/soil stack
ST	Silt Trap (ST) with removable silt bucket
S1/F1	Manhole reference number
	Linear drainage channel
RWP CU	RWP cellular discharge/collection unit (DU) (Permavoid or similar)
	Headwall
	Impermeable barrier to stop lateral movement of water
FFL XX.XX	Finished Floor Level (FFL)
	Permeable Paving
	Flood exceedance routing

REV	DRAWN	CHECK	REVISION COMMENTS	ISSUE DATE
P03	RSI	MBD	PTP relocated	23/01/25
P02	RSI	MBD	Foul water treatment plant relocated	22/01/25
P01	NJ	MBD	Initial issue	21/01/25

DRAWING TITLE: Drainage Design
SHEET NO.: 1/1

PROJECT
Oakview
Mill Lane, Sindlesham
Wokingham, RG41 5DF

CLIENT: MGI Architecture Ltd

Infrastruct CS Ltd

SCALE @ A1: 1:100 (0m, 2.5m, 5.0m)
ENGINEER: MBD
DRAFT: NJ
PROJECT NUMBER: 6277
STATUS: S2
ISSUE PURPOSE: INFORMATION
APPROVED: AJG

PROJECT	ORIGIN	PHASE	LEVEL	TYPE	ROLE	NO.	REVISION
OAKV	ICS	01	XX	DR	C	0200	P03

The Stables, High Cogges, Witney, OX28 3AG Tel: 01993 709709 info@infrastructcs.co.uk