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.

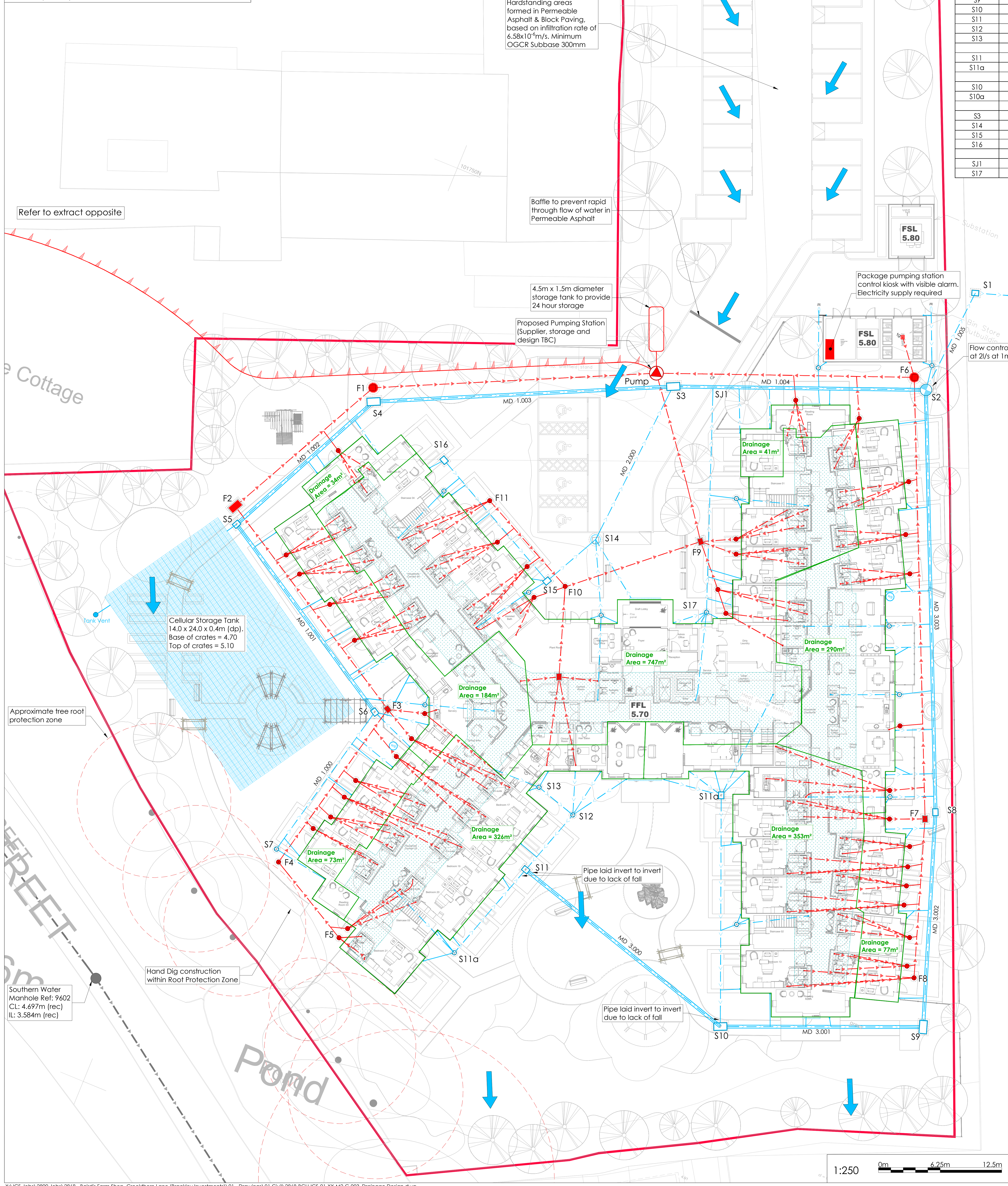
RESIDUAL RISK ITEM
OVERHEAD CABLES

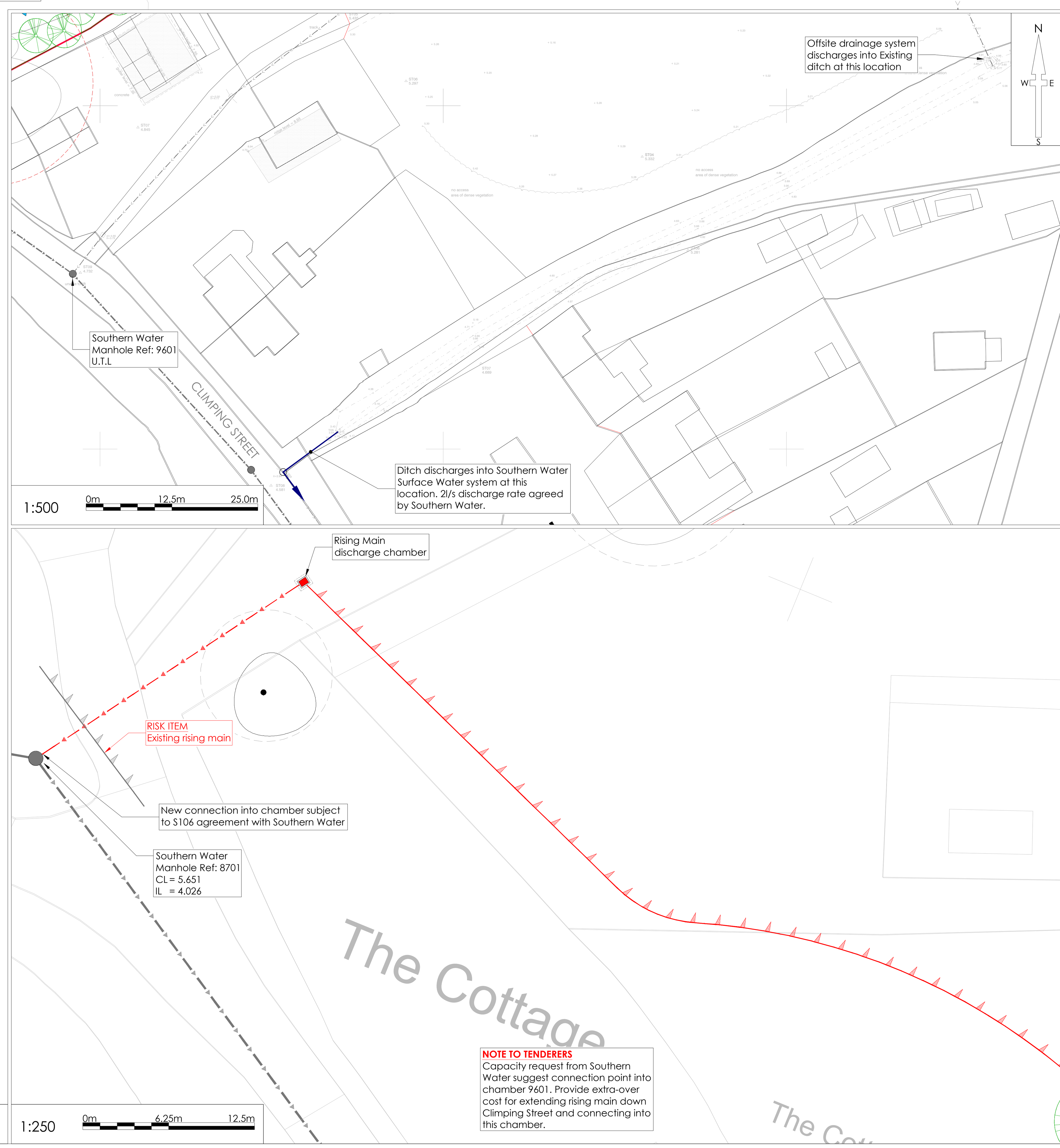
Surface Water Network

Manhole Reference	Invert Level (m)	Cover Level (m)	Depth (m)	Chamber Details	Cover Loading	Grade 1 in	Pipe DIA (mm)	Length (m)
S0	3.800	5.56	1.76	1200Ø PCC	D400			
S1	4.163	5.40	1.24	1200Ø PCC	D400	200.0	225	72.6
S2	4.218	5.65	1.43	Flow Control	B125	200.0	225	11
S3	4.303	5.65	1.35	900 x 1200mm I.C.	D400	300.0	300	25.5
S4	4.405	5.65	1.25	450 x 600mm I.C.	A15	300.0	300	30.5
S5	4.466	5.65	1.18	450 x 600mm I.C.	A15	300.0	300	18.5
S6	4.546	5.65	1.10	450 x 600mm I.C.	A15	300.0	300	24
S7	4.810	5.65	0.84	PPIC	A15	150.0	150	17
S2	4.218	5.65	1.43	Flow Control	B125			
S8	4.433	5.65	1.22	450 x 600mm I.C.	A15	200.0	300	43
S9	4.543	5.65	1.11	900 x 1200mm I.C.	A15	200.0	300	22
S10	4.646	5.65	1.00	900 x 1200mm I.C.	A15	200.0	300	20.5
S11	4.771	5.65	0.88	450 x 600mm I.C.	A15	200.0	300	25
S12	4.821	5.65	0.83	PPIC	A15	150.0	150	7.5
S13	4.851	5.65	0.80	PPIC	A15	150.0	150	4.5
S11	4.771	5.65	0.88	450 x 600mm I.C.	A15			
S11a	4.844	5.65	0.81	PPIC	A15	150.0	150	11
S10	4.646	5.65	1.00	900 x 1200mm I.C.	A15			
S10a	4.881	5.65	0.77	450 x 600mm I.C.	A15	100.0	150	23.5
S3	4.378	5.65	1.27	900 x 1200mm I.C.	D400			
S14	4.553	5.65	1.10	450 x 600mm I.C.	B125	100.0	225	17.5
S15	4.693	5.65	0.96	450 x 600mm I.C.	A15	100.0	150	6.5
S16	4.853	5.65	0.80	450 x 600mm I.C.	A15	100.0	150	16
SJ1	4.440	5.65	1.21	Junction	-			
S17	4.816	5.70	0.88	450 x 600mm I.C.	A15	60.0	150	22.6

Foul Water Network

Manhole Reference	Invert Level (m)	Cover Level (m)	Depth (m)	Chamber Details	Cover Loading	Grade 1 in	Pipe DIA (mm)	Length (m)
PUMP	3.700	5.65	1.95	Pump	D400			
F1	3.980	5.65	1.67	1200Ø PCC	B125	100.0	150	28
F2	4.165	5.65	1.49	900 x 1200mm I.C.	B125	100.0	150	18.5
F3	4.425	5.65	1.23	450 x 600mm I.C.	A15	100.0	150	26
F4	4.663	5.65	0.99	PPIC	A15	80.0	150	19
F5	4.829	5.67	0.84	PPIC	A15	60.0	150	10
PUMP	3.700	5.65	1.95	Pump	D400			
F6	3.960	5.65	1.69	1200Ø PCC	D400	100.0	150	26
F7	4.400	5.65	1.25	450 x 600mm I.C.	A15	100.0	150	44
F8	4.667	5.65	0.98	PPIC	A15	60.0	150	16
PUMP	3.867	5.65	1.78	Pump	D400			
F9	4.267	5.65	1.38	450 x 600mm I.C.	A15	45.0	150	18
F10	4.448	5.65	1.20	PPIC	A15	80.0	150	14.5
F11	4.592	5.65	1.06	PPIC	A15	80.0	150	11.5





Survey Company info here
DRG NUMBER: DATE RECEIVED:

Hunters
DRG NUMBER: M9316-APL003.dwg DATE RECEIVED: 04.11.2021

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 drawings has been produced electronically and may have been photo reduced or enlarged when copied. Work to figured dimensions only (DO NOT SCALE). 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.

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

Drainage Key

Sewers

- Foul water drain (private/non adoptable)
- Surface water drain (private/non adoptable)
- Surface water sewer (Adoptable)
- Foul water sewer (Adoptable)
- Surface Water rising main
- Foul rising main
- Existing foul water sewer (Adopted)

Chamber Key

FW	SW	
mac	mac	Mini access chamber (mac) - 300mmØ *
		PPIC - 475mmØ *
DM	DM	Adoptable demarcation manhole within 1m of boundary *
		Manhole Depth 1.25 to 1.5m * Depth 1.55 to 3.0m *

* General note
(Refer to standard details & long sections for chamber sizes. Size may need to increase dependant on number of incoming pipes/size of incoming pipes)

RE	Surface water rodding eye
F1	Manhole reference number
	Rain water down pipe (roddable access)
ST	Silt Trap (ST) with removable silt bucket
	Soil vent pipe/soil stack
RG	Road gully (trapped) D400
	Linear drainage channel
	Cellular storage (refer to drawing for sizes)
	Overland Flows Route
	Tree root protection zone (RPZ)
	Baffle to prevent rapid through flow of water through permeable Surfacing
	Approximate Extent of Green Roof

REV	DRAWN	CHECK	REVISION COMMENTS	ISSUE DATE
P13	NJ	TST	Drainage design updated in line with revised site layout	04/11/21
P12	NJ	TST	Storage tank amended to avoid floatation issues, cover level to foul chambers amended	20/04/21
P11	NJ	TST	Drainage system amended following high groundwater readings	10/03/21
P10	NJ	TST	Soakaway F added	17/02/21
P09	NJ	TST	Permeable note amended by Soakaway E	16/02/21
P08	NJ	TST	Pipe information added to surface water design. Additional notes added	29/01/21
P07	NJ	TST	Drainage design updated	14/01/21
P06	NJ	TST	Legal site boundary amended	19/11/20
P05	NJ	TST	Rising main re-routed. On-site storage tank added	23/10/20

DRAWING TITLE
Proposed Drainage Strategy

SHEET NO. 1/1

PROJECT
Bairds Care Home
Littlehampton
Sussex

CLIENT
BRACKLEY

Infrastruct CS Ltd

The Stables, High Cogges Farm, High Cogges, Witney, OX29 6UN - Tel: 01993 709709: info@infrastructcs.co.uk

SCALE @ A1: As Noted
ENGINEER: MBD
DRAFT: NJ
APPROVED: TST

PROJECT NUMBER	STATUS	DATE
2868	S2	April 18

PROJECT	ORIGIN	PHASE	LEVEL	TYPE	ROLE	DWG NO	REVISION
BCH	ICS	01	XX	DR	C	003	P13

X:\ICS Jobs\2800 Jobs\2868 - Baird's Farm Shop, Crookthorn Lane (Brackley Investments)\01 - Drawings\01 Civil\2868-BCH-ICS-01-XX-M2-C-003_Drainage Design.dwg

ARUN DISTRICT COUNCIL CM/46/21/PL