

DESIGNERS CDM NOTE - RESIDUAL RISKS IDENTIFIED

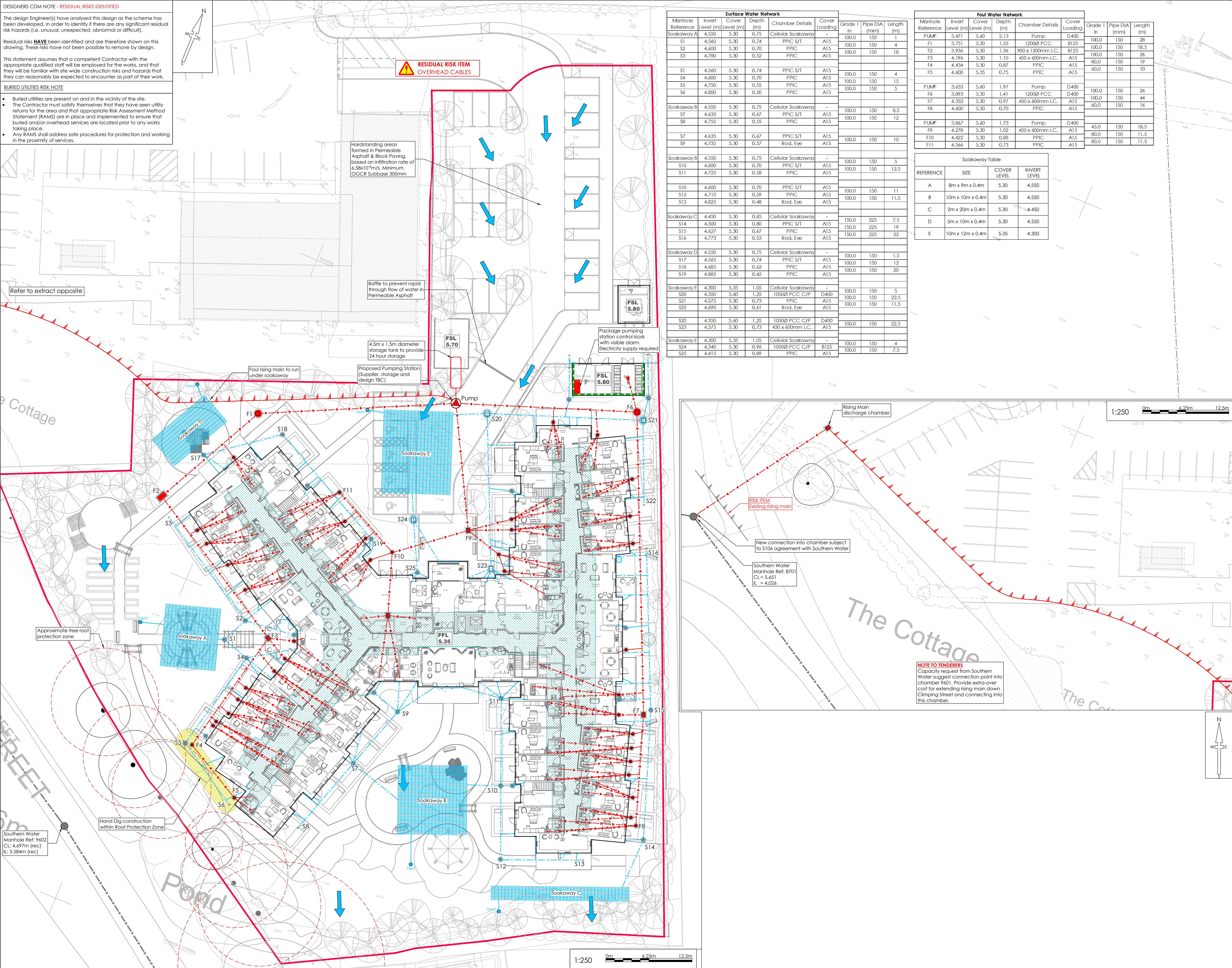
The Design Engineer(s) have analysed this design as the scheme has been developed, in order to identify if there are any significant residual risk hazards (i.e. unusual, unexpected, abnormal or difficult).

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.



Surface Water Network							
Manhole Reference	Invert Level (m)	Cover Level (m)	Depth (m)	Chamber Details	Cover Loading	Grade In	Pipe DIA (mm)
Soakaway A	4.550	5.30	0.75	Cellular Soakaway	-	100.0	150
S1	4.560	5.30	0.74	PPIC S/T	A15	100.0	150
S2	4.600	5.30	0.70	PPIC	A15	100.0	150
S3	4.780	5.30	0.52	PPIC	A15	100.0	150
S4	4.560	5.30	0.74	PPIC S/T	A15	100.0	150
S5	4.600	5.30	0.70	PPIC	A15	100.0	150
S6	4.750	5.30	0.55	PPIC	A15	100.0	150
S7	4.635	5.30	0.67	PPIC S/T	A15	100.0	150
S8	4.755	5.30	0.55	PPIC	A15	100.0	150
S9	4.635	5.30	0.67	PPIC S/T	A15	100.0	150
S10	4.600	5.30	0.70	PPIC S/T	A15	100.0	150
S11	4.725	5.30	0.58	PPIC	A15	100.0	150
S12	4.710	5.30	0.59	PPIC	A15	100.0	150
S13	4.825	5.30	0.48	Rad. Eye	A15	100.0	150
S14	4.600	5.30	0.70	PPIC S/T	A15	100.0	150
S15	4.627	5.30	0.67	PPIC	A15	100.0	150
S16	4.773	5.30	0.53	Rad. Eye	A15	100.0	150
S17	4.565	5.30	0.74	PPIC S/T	A15	100.0	150
S18	4.685	5.30	0.62	PPIC	A15	100.0	150
S19	4.885	5.30	0.42	PPIC	A15	100.0	150
S20	4.350	5.60	1.25	1050Ø PCC C/P	D400	100.0	150
S21	4.575	5.30	0.73	PPIC	A15	100.0	150
S22	4.690	5.30	0.61	Rad. Eye	A15	100.0	150
S23	4.575	5.30	0.73	450 x 600mm I.C.	A15	100.0	150
S24	4.340	5.30	0.96	1050Ø PCC C/P	B125	100.0	150
S25	4.415	5.30	0.89	PPIC	A15	100.0	150

Foul Water Network							
Manhole Reference	Invert Level (m)	Cover Level (m)	Depth (m)	Chamber Details	Cover Loading	Grade In	Pipe DIA (mm)
PUMP	3.471	5.60	2.13	Pump	D400	100.0	150
F1	3.751	5.30	1.55	1200Ø PCC	B125	100.0	150
F2	3.936	5.30	1.36	900 x 1200mm I.C.	A15	100.0	150
F3	4.196	5.30	1.10	450 x 600mm I.C.	A15	80.0	150
F4	4.434	5.30	0.87	PPIC	A15	80.0	150
F5	4.600	5.35	0.75	PPIC	A15	60.0	150
PUMP	3.633	5.60	1.97	Pump	D400	100.0	150
F6	3.893	5.30	1.41	1200Ø PCC	D400	100.0	150
F7	4.333	5.30	0.97	450 x 600mm I.C.	A15	60.0	150
F8	4.600	5.30	0.70	PPIC	A15	80.0	150
PUMP	3.867	5.60	1.73	Pump	D400	45.0	150
F9	4.278	5.30	1.02	450 x 600mm I.C.	A15	80.0	150
F10	4.422	5.30	0.88	PPIC	A15	80.0	150
F11	4.566	5.30	0.73	PPIC	A15	80.0	150

Soakaway Table			
REFERENCE	SIZE	COVER LEVEL	INVERT LEVEL
A	8m x 9m x 0.4m	5.30	4.550
B	10m x 10m x 0.4m	5.30	4.550
C	2m x 20m x 0.4m	5.30	4.450
D	5m x 10m x 0.4m	5.30	4.550
E	10m x 12m x 0.4m	5.35	4.300

Survey Company info here
DRG NUMBER: M9316-HUN-ZZ-SL-DR-A-03-0010 D
DATE RECEIVED: 07.09.2020

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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 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.
- 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.

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)
- Foul rising main
- Existing foul water sewer (Adopted)

Chamber Key

FW	SW	
●	○	Mini access chamber (mac) - 300mmØ *
●	○	PPIC - 475mmØ *
■	□	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)

- Surface water radding eye
- Manhole reference number
- Rain water down pipe (roddable access)
- Silt trap (ST) with removable silt bucket
- Soil vent pipe/soil stack
- Road gully (trapped) D400
- Linear drainage channel
- Cellular storage (refer to drawing for sizes)
- Overland Flows Route
- Tree root protection zone (RPZ)
- Hand Dig construction within Root Protection Zone
- Baffle to prevent rapid through flow of water through permeable Surfacing
- Approximate Extent of Green Roof

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
P04	NJ	TST	Drainage outfalls and schedules amended	20/10/20
P03	NN	TST	Drawing updated in line with revised site & GA layouts	12/10/20
P02	NJ	TST	Layout and Drainage updated	11/05/18
P01	MBD	TST	Initial issue	11/04/18

REV	DRAWN	CHECK	REVISION COMMENTS	ISSUE DATE
1			Proposed Drainage Strategy	1/1

PROJECT
Bairst Care Home
Littlehampton
Sussex

CLIENT
BRACKLEY
Infrastruct CS Ltd

SCALE @ A1 As Noted	ENGINEER MBD
PROJECT NUMBER 2868	DRAFT NJ
STATUS S2	APPROVED TST
DATE April 18	
PROJECT ORIGIN BCH ICS	DWG NO / REVISION 003 P07
PHASE 01	
LEVEL XX	
TYPE DR	
ROLE C	