

DESIGNERS CDM NOTE - RESIDUAL RISKS IDENTIFIED

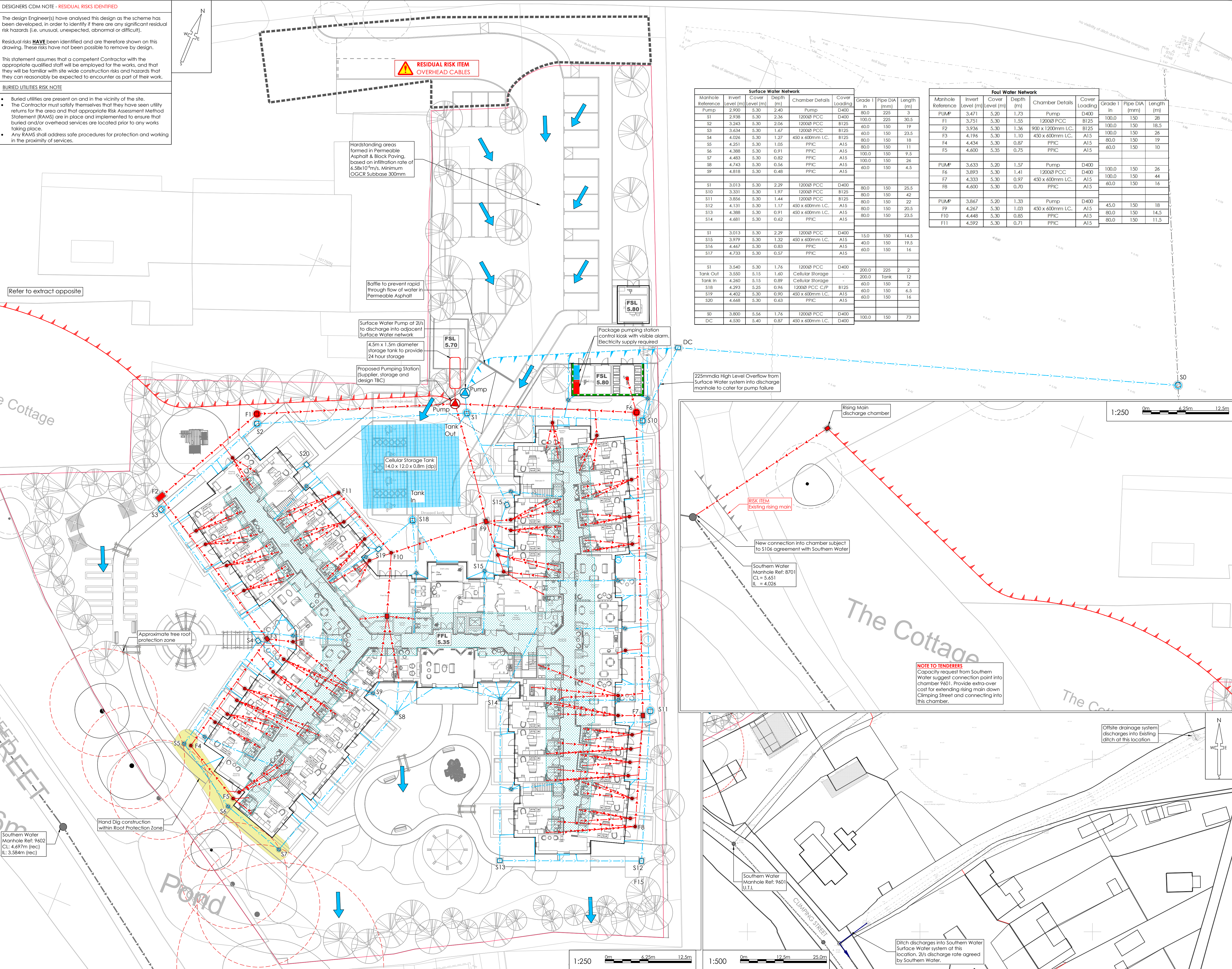
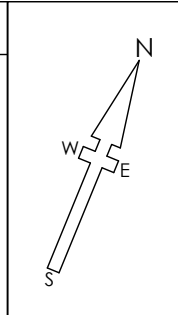
The design Engineer(s) have analysed this design as the scheme has been developed, in order to identify if there are any significant residual risk hazards (i.e. unusual, unexpected, abnormal or difficult).

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 |
| PUMP                  | 2.900            | 5.30            | 2.40      | Pump             | D400          |
| S1                    | 2.938            | 5.30            | 2.36      | 1200P PCC        | B125          |
| S2                    | 3.243            | 5.30            | 2.06      | 1200P PCC        | B125          |
| S3                    | 3.634            | 5.30            | 1.67      | 1200P PCC        | B125          |
| S4                    | 4.026            | 5.30            | 1.27      | 450 x 600mm I.C. | B125          |
| S5                    | 4.251            | 5.30            | 1.05      | PPIC             | A15           |
| S6                    | 4.388            | 5.30            | 0.91      | PPIC             | A15           |
| S7                    | 4.483            | 5.30            | 0.82      | PPIC             | A15           |
| S8                    | 4.743            | 5.30            | 0.56      | PPIC             | A15           |
| S9                    | 4.818            | 5.30            | 0.48      | PPIC             | A15           |
| S10                   | 3.013            | 5.30            | 2.29      | 1200P PCC        | D400          |
| S11                   | 3.331            | 5.30            | 1.97      | 1200P PCC        | B125          |
| S12                   | 3.856            | 5.30            | 1.44      | 1200P PCC        | B125          |
| S13                   | 4.131            | 5.30            | 1.17      | 450 x 600mm I.C. | A15           |
| S14                   | 4.388            | 5.30            | 0.91      | 450 x 600mm I.C. | A15           |
| S15                   | 4.681            | 5.30            | 0.62      | PPIC             | A15           |
| S16                   | 3.013            | 5.30            | 2.29      | 1200P PCC        | D400          |
| S17                   | 3.979            | 5.30            | 1.32      | 450 x 600mm I.C. | A15           |
| S18                   | 4.447            | 5.30            | 0.83      | PPIC             | A15           |
| S19                   | 4.733            | 5.30            | 0.57      | PPIC             | A15           |
| S20                   | 3.540            | 5.30            | 1.76      | 1200P PCC        | D400          |
| Tank Out              | 3.550            | 5.15            | 1.60      | Cellular Storage | -             |
| Tank In               | 4.260            | 5.15            | 0.89      | Cellular Storage | -             |
| S18                   | 4.293            | 5.25            | 0.96      | 1200P PCC C/P    | B125          |
| S19                   | 4.402            | 5.30            | 0.90      | 450 x 600mm I.C. | A15           |
| S20                   | 4.668            | 5.30            | 0.63      | PPIC             | A15           |
| S0                    | 3.800            | 5.56            | 1.76      | 1200P PCC        | D400          |
| DC                    | 4.530            | 5.40            | 0.87      | 450 x 600mm I.C. | D400          |

| Foul Water Network |                  |                 |           |                   |               |
|--------------------|------------------|-----------------|-----------|-------------------|---------------|
| Manhole Reference  | Invert Level (m) | Cover Level (m) | Depth (m) | Chamber Details   | Cover Loading |
| PUMP               | 3.471            | 5.20            | 1.73      | Pump              | D400          |
| F1                 | 3.751            | 5.30            | 1.55      | 1200P PCC         | B125          |
| F2                 | 3.936            | 5.30            | 1.36      | 900 x 1200mm L.C. | B125          |
| F3                 | 4.196            | 5.30            | 1.10      | 450 x 600mm L.C.  | A15           |
| F4                 | 4.434            | 5.30            | 0.87      | PPIC              | A15           |
| F5                 | 4.600            | 5.35            | 0.75      | PPIC              | A15           |
| PUMP               | 3.633            | 5.20            | 1.57      | Pump              | D400          |
| F6                 | 3.893            | 5.30            | 1.41      | 1200P PCC         | D400          |
| F7                 | 4.333            | 5.30            | 0.97      | 450 x 600mm L.C.  | A15           |
| F8                 | 4.600            | 5.30            | 0.70      | PPIC              | A15           |
| PUMP               | 3.867            | 5.20            | 1.33      | Pump              | D400          |
| F9                 | 4.267            | 5.30            | 1.03      | 450 x 600mm L.C.  | A15           |
| F10                | 4.448            | 5.30            | 0.85      | PPIC              | A15           |
| F11                | 4.592            | 5.30            | 0.71      | PPIC              | A15           |

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

**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)
- Surface Water rising main
- 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.  
Sizes may need to increase dependant on number of incoming pipes/size of incoming pipes)

- Surface water rodding eye
- Manhole reference number
- Rain water down pipe (rodable 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

|                                                         |                |                  |                                                        |                                                   |
|---------------------------------------------------------|----------------|------------------|--------------------------------------------------------|---------------------------------------------------|
| P5                                                      | NJ             | TST              | Rising main re-routed. On-site storage tank added      | 23/10/20                                          |
| P4                                                      | NJ             | TST              | Drainage outfalls and schedules amended                | 20/10/20                                          |
| P3                                                      | NN             | TST              | Drawing updated in line with revised site & GA layouts | 12/10/20                                          |
| P2                                                      | NJ             | TST              | Layout and Drainage updated                            | 11/05/18                                          |
| P1                                                      | MBD            | TST              | Initial issue                                          | 11/04/18                                          |
| REV                                                     | DRAWN          | CHECK            | REVISION COMMENTS                                      | ISSUE DATE                                        |
| DRAWING TITLE<br>Proposed Drainage Strategy             |                |                  |                                                        | SHEET NO.<br>1/1                                  |
| PROJECT<br>Bairsts Care Home<br>Littlehampton<br>Sussex |                |                  |                                                        |                                                   |
| CLIENT<br>BRACKLEY<br>Infrastruct CS Ltd                |                |                  |                                                        |                                                   |
| SCALE @ A1<br>As Noted                                  |                |                  |                                                        | ENGINEER<br>MBD<br>DRAFT<br>NJ<br>APPROVED<br>TST |
| PROJECT NUMBER<br>2868                                  | STATUS<br>S2   | DATE<br>April 18 | TYPE<br>DR                                             | ROLE<br>C                                         |
| PROJECT ORIGIN<br>BCH                                   | PHASE<br>ICS   | LEVEL<br>01      | TYPE<br>XX                                             | ROLE<br>C                                         |
| DWG NO<br>003                                           | REVISION<br>P5 |                  |                                                        |                                                   |