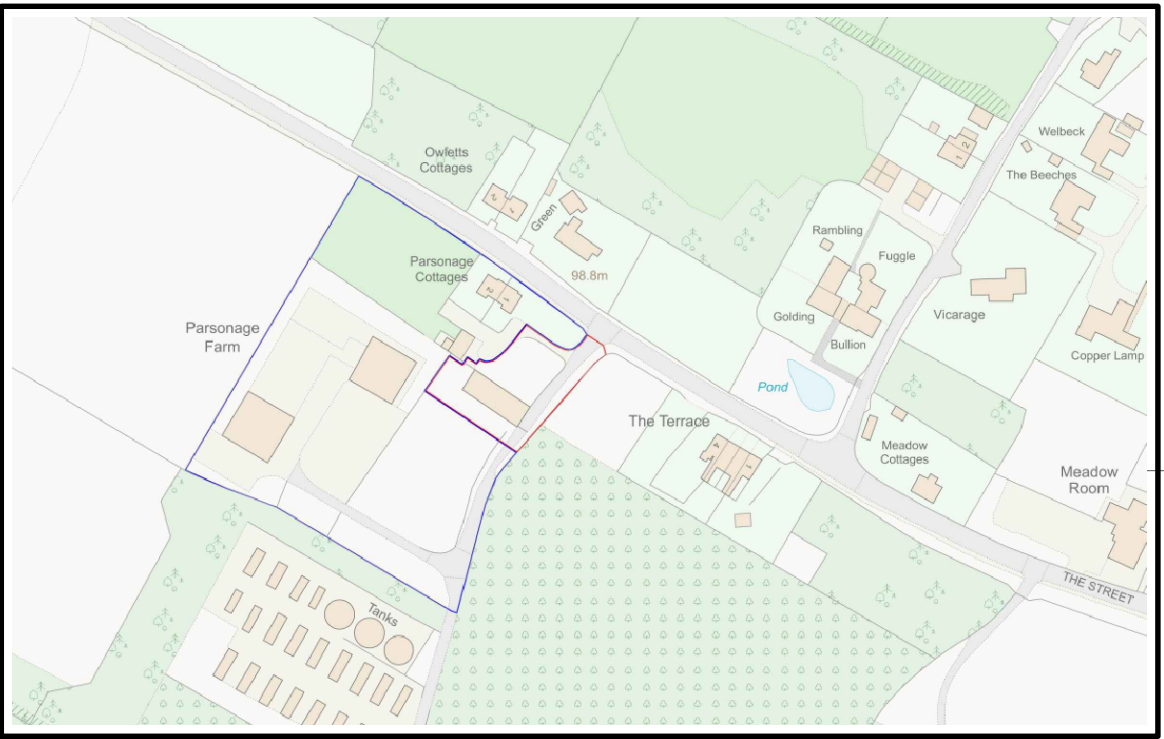




## Site Location Plan

Scale: NTS

## Drainage Hierarchy

Every attempt has been made to adhere to National Planning Policy Guidance (NPPG) and we have assessed practicality of surface water disposal according to the following hierarchy:

### (A) Storage for later use.

Rainwater harvesting (RWH) systems are rarely able to manage the total surface water runoff from a development. To function correctly as a disposal method requires the volume of runoff from the building and hardstanding areas to balance perfectly with the demand from the proposed development. Therefore to provide a conservative approach to the surface water management system it has been assumed that any RWH will be surcharged and at maximum capacity and additional methods of discharge will be required.

### (B) Disposal via Infiltration

The publicly available geological information for the area shows that the site is underlain by the Thanet Formation comprising Sand, Silts and Clays with some infiltration potential.

### (C) Attenuate and gradual release

This disposal method is dependant on the finings of methodology (D) and (E)

### (D) Discharge to a Watercourse

There are **NO** open watercourses adjacent the development site.

### (E) Discharge to Surface Water Sewer

A review of Southern Waters sewer records has identified that there are **NO** surface water sewers adjacent the development site.

### (F) Discharge to a Combined Sewer

A review of Souther Waters sewer records has identified that there are **NO** combined water sewers adjacent the development site.

### (G) Discharge to a Foul Water Sewer

A review of Southern Waters sewer records has identified that there **ARE** foul water sewers adjacent the development site.

## Conclusion

Based on the assessment above it is believed that disposal by infiltration (B) would be the most practical options for surface water disposal at this location.

## Drainage Key

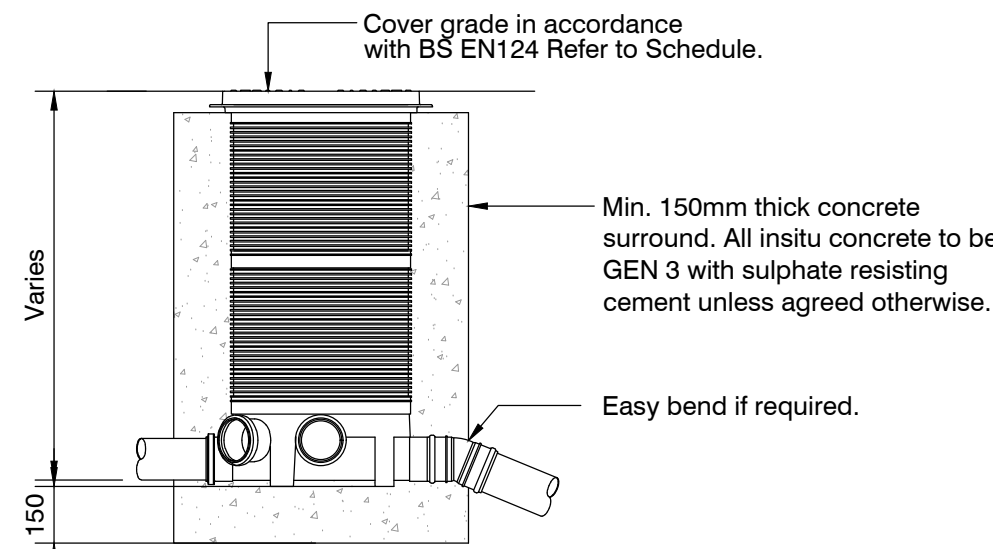
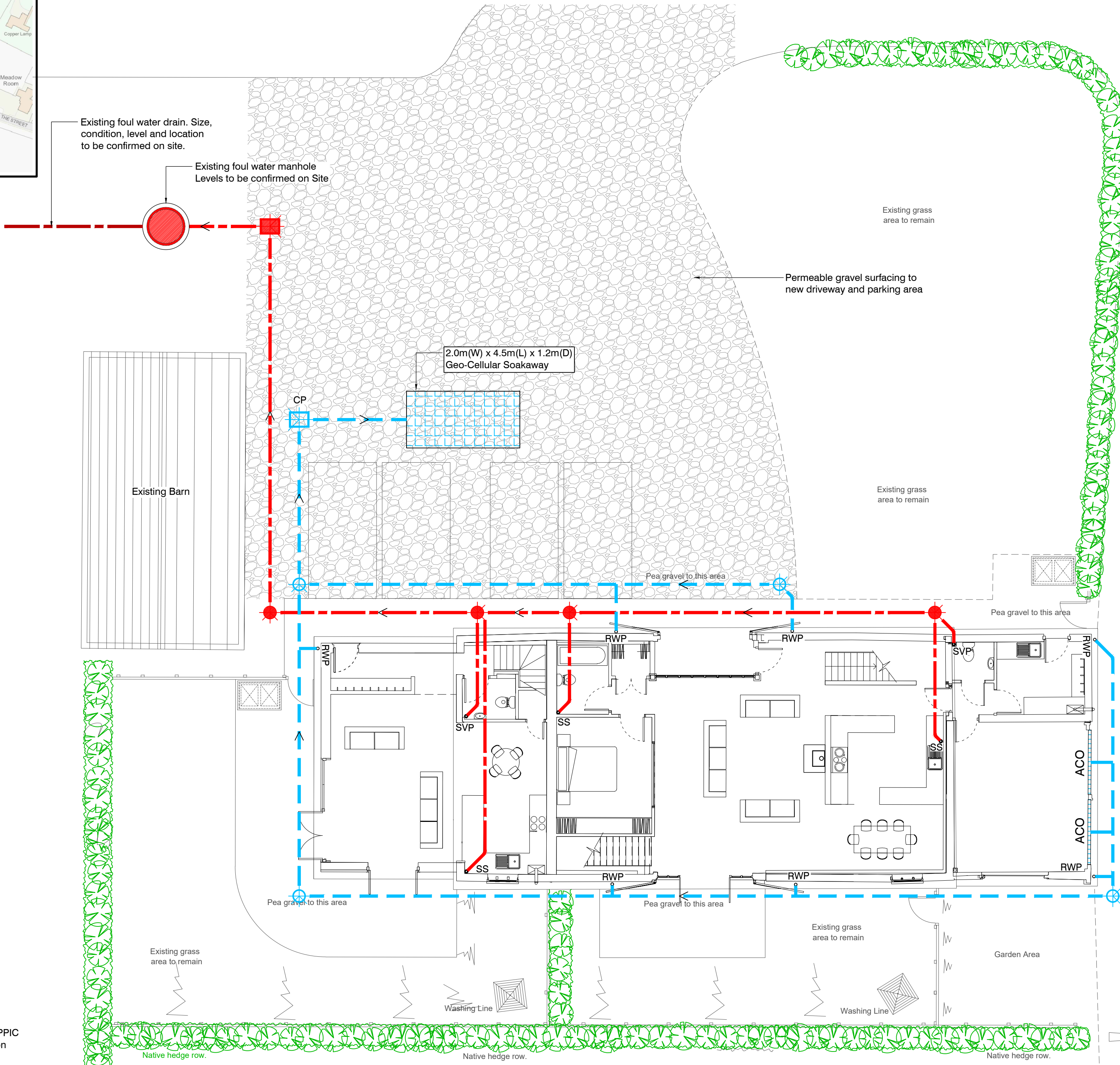
|  |                                                                  |     |                                                                      |
|--|------------------------------------------------------------------|-----|----------------------------------------------------------------------|
|  | Proposed Surface Water Pipe<br>Size and gradient to be confirmed |     | Proposed Surface Water PPIC<br>450Ø Flexible Construction            |
|  | Proposed Foul Water Pipe<br>Size and gradient to be confirmed    |     | Proposed Geo-Cellular Soakaway.<br>Size as Stated. Refer to Details. |
|  | Proposed Foul Water IC<br>Rigid Construction. 600x450mm          | RWP | Proposed Rainwater Pipe                                              |
|  | Proposed Foul Water PPIC<br>450Ø Flexible Construction           | SVP | Proposed Soil and Vent Pipe                                          |
|  | Proposed Surface Water Manhole<br>Rigid Construction. 600x450mm  | SS  | Proposed Stub Stack                                                  |
|  |                                                                  | CP  | Denotes Catchpit Base                                                |

Note that all drainage elements (pipe sizes, storage tanks etc) are subject to change following receipt of detailed external level design by others

The client is responsible for obtaining all necessary licenses and permits to allow construction and ongoing operation of the drainage systems.

Infiltration structures have been designed using an assumed infiltration rate of 5x10-5 m/s. This shall be confirmed on site.

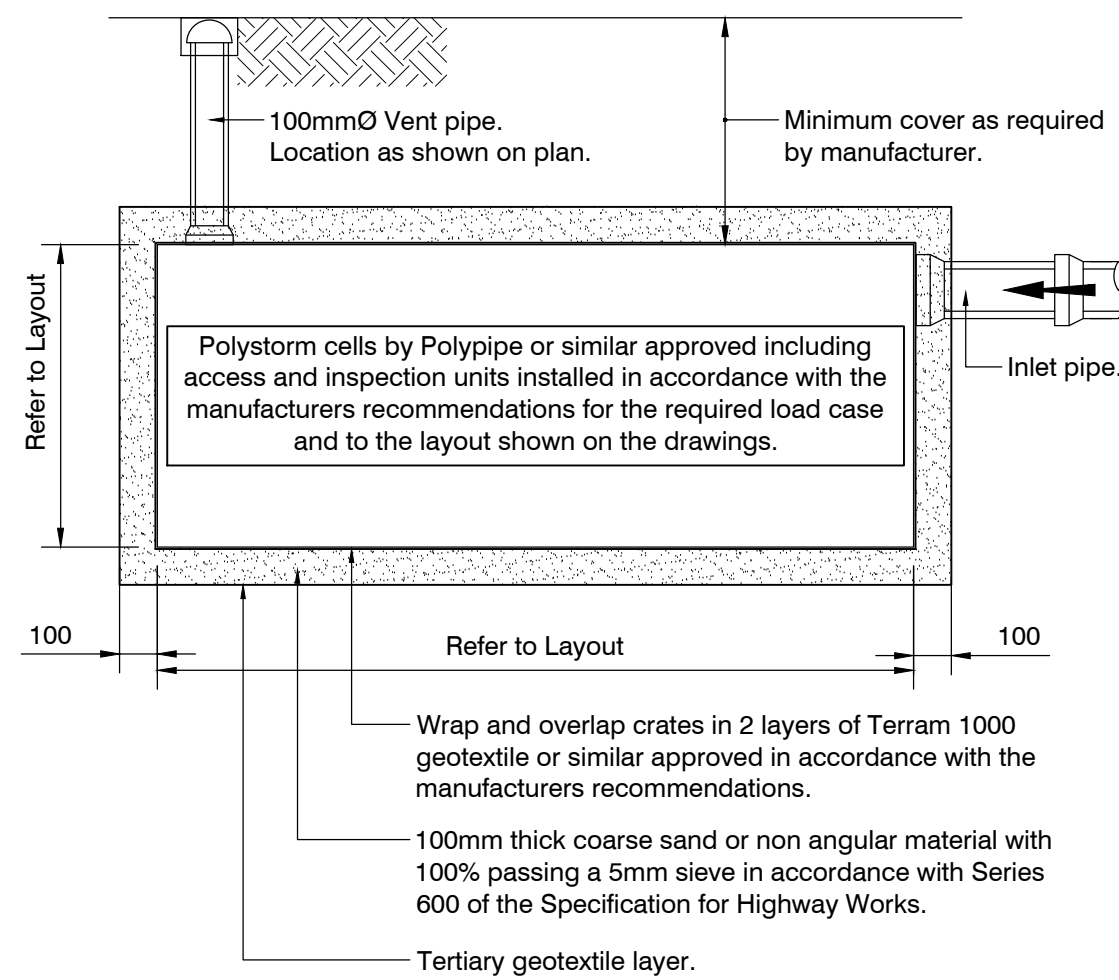
RWP / SVP Positions have been assumed and shall be confirmed by the architect.



**NOTE:**  
For all Inspection Chambers greater than 1200mm in depth, provide a reducer section 300mm Dia to make these a non-entry chamber.

## Typical Inspection Chamber 450mmØ Polypropylene

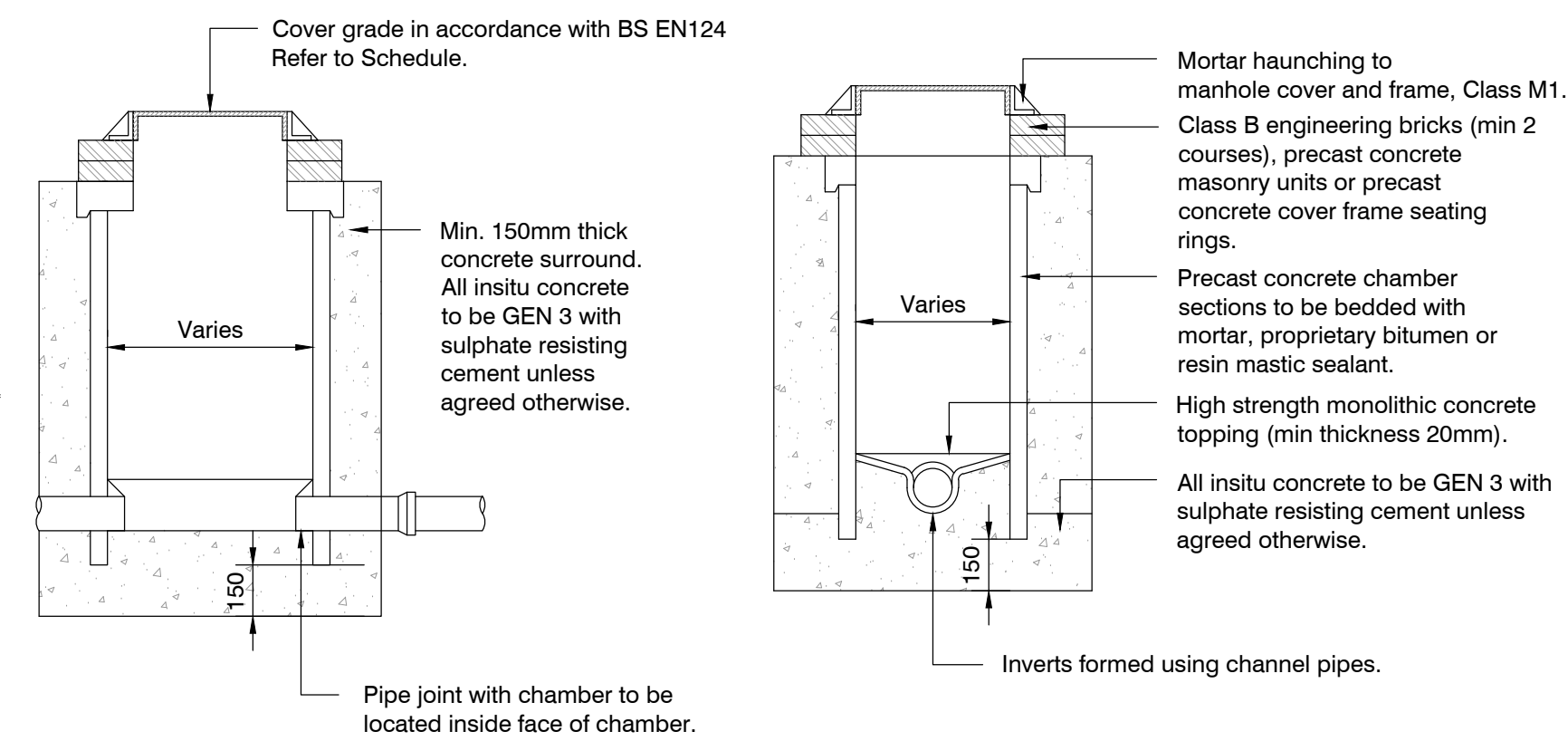
Scale 1-20



## Typical Geo-Cellular Soakaway Detail

Refer to Plan for Required Layout

Scale 1-20



## Typical Inspection Chamber

Type D Rigid Construction

Scale 1-20

### Notes:

- Do not scale this drawing.
- This drawing is to be read in conjunction with all other relevant drawing issues and the specification.
- All building materials, components and workmanship to comply with the appropriate Public Health Acts, Building Regulations, British Standards and Codes of Practice and the appropriate manufacturers recommendations.
- For all specialist work see relevant drawings.
- Any discrepancies, errors or omissions to be reported to the project co-ordinator for further instructions before commencement of works.

### CDM 2015 RESIDUAL RISKS

- Working with live drainage
- Unknown service positions

The above residual risks are non standard hazards. It is assumed that a capable principal contractor with relevant experience knowledge required for the construction of a project of this nature will be appointed who will be aware of the standard hazards associated with a project of this type.

|     |                           |    |     |          |  |
|-----|---------------------------|----|-----|----------|--|
|     |                           |    |     |          |  |
|     |                           |    |     |          |  |
|     |                           |    |     |          |  |
|     |                           |    |     |          |  |
|     |                           |    |     |          |  |
| P2  | WATER QUALITY NOTES ADDED | DP | SE  | 13.02.26 |  |
| P1  | PRELIMINARY               | DP | SE  | 11.02.26 |  |
| Rev | Description               | Dm | Chk | Date     |  |

|         |                                  |
|---------|----------------------------------|
| Client  | Mr R Scripps                     |
| Project | Parsonage Barn<br>Cobham<br>Kent |

|          |                                                      |
|----------|------------------------------------------------------|
| Drawing  | Proposed Foul and Surface Water<br>Drainage Strategy |
| Scale    | 1-100 @ A1                                           |
| Date     | Feb '25                                              |
| Drawn by | DP                                                   |
| Checked  | SE                                                   |
| Status   | <b>PRELIMINARY</b>                                   |

|                                                                                                             |                                    |
|-------------------------------------------------------------------------------------------------------------|------------------------------------|
|                                                                                                             | <b>FORTIS</b><br>CIVIL ENGINEERING |
| Studio 3, The Wool Store, Fullers Way, Biddenden, Kent. TN27 8FQ<br>T: 01580 238724 E: info@fortis-ce.co.uk |                                    |
| Job No.                                                                                                     | 1910                               |
| Drg. No.                                                                                                    | C010                               |
| Rev                                                                                                         | P2                                 |