

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.

NOTE:

- DO NOT SCALE, IF IN DOUBT ASK.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT STRUCTURAL ENGINEER'S DRAWINGS AND DETAILS, THE SPECIFICATION FOR THE WORKS, THE RELEVANT ARCHITECT'S DRAWINGS AND ANY OTHER SPECIALIST'S DRAWINGS.

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

All manholes covers located within carriageways shall have no slip covers to prevent motorcycles/cycles losing control

- NOTES**
- All street lights in verge to have 150mm concrete collar surround
 - Tree root barrier required to any free within 5m of the carriageway/footway
 - Permeable paving to be laid at 45° herringbone pattern. Stretcher course should be used when pattern can't be continued. 1 No stretcher course channel either side of road
 - No doors or windows are to open onto the highway at any level.
 - No gas boxes or porches are to be located within highway land
 - All private footways to be side hung so no runoff into public highway
 - No railings or fences to be in highway or 600mm from front face of kerb

Drainage Key

Sewers	
	Foul water drain (private/non adoptable)
	Surface water drain (private/non adoptable)
	Foul water drain - Basement (private)
	Proposed combined water sewer (Adopted)
	Existing combined water sewer (Adopted)
	Surface Water Rising Main (private)
	Foul Water Rising Main (private)

Chamber Key

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

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

	Surface water rodding eye
	Rain water down pipe (roddable access)
	Soil vent pipe/soil stack - Ground Floor
	Soil vent pipe/soil stack - Basement
	Silt Trap (ST) with removable silt bucket
	Manhole reference number
	Yard gully (150mm - 200mmØ trapped)
	Surface water sump unit
	Linear drainage channel
	Cellular storage (refer to drawing for sizes)
	Finished Floor Level (FFL)
	Green Roof

Rev	Date	Amendments	By	Chk'd
P01	12/02/20	Initial Issue	MBD	DJ

engineersHRW
London 0207 407 9575 Oxford 01865 251 206 www.ehrw.co.uk

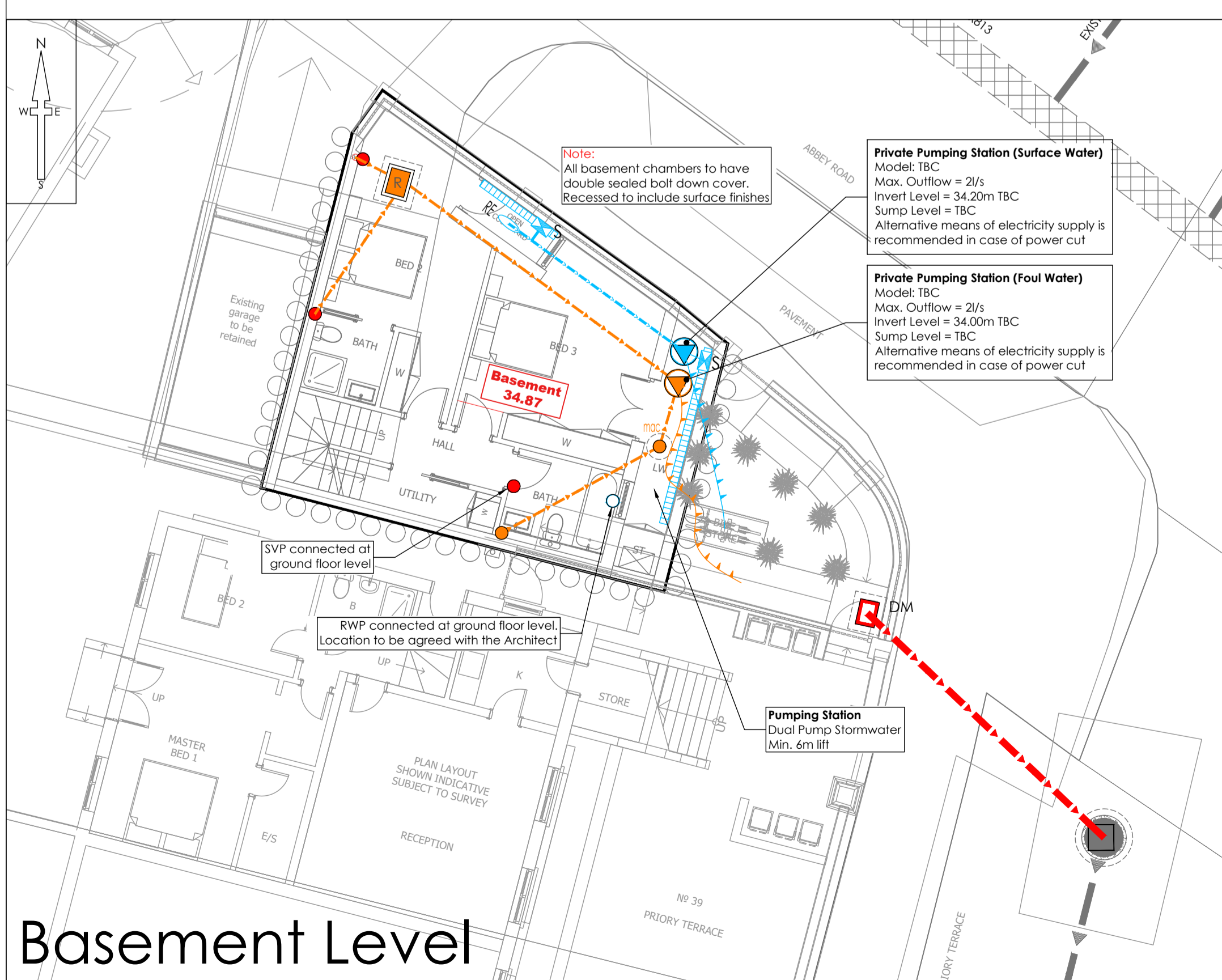
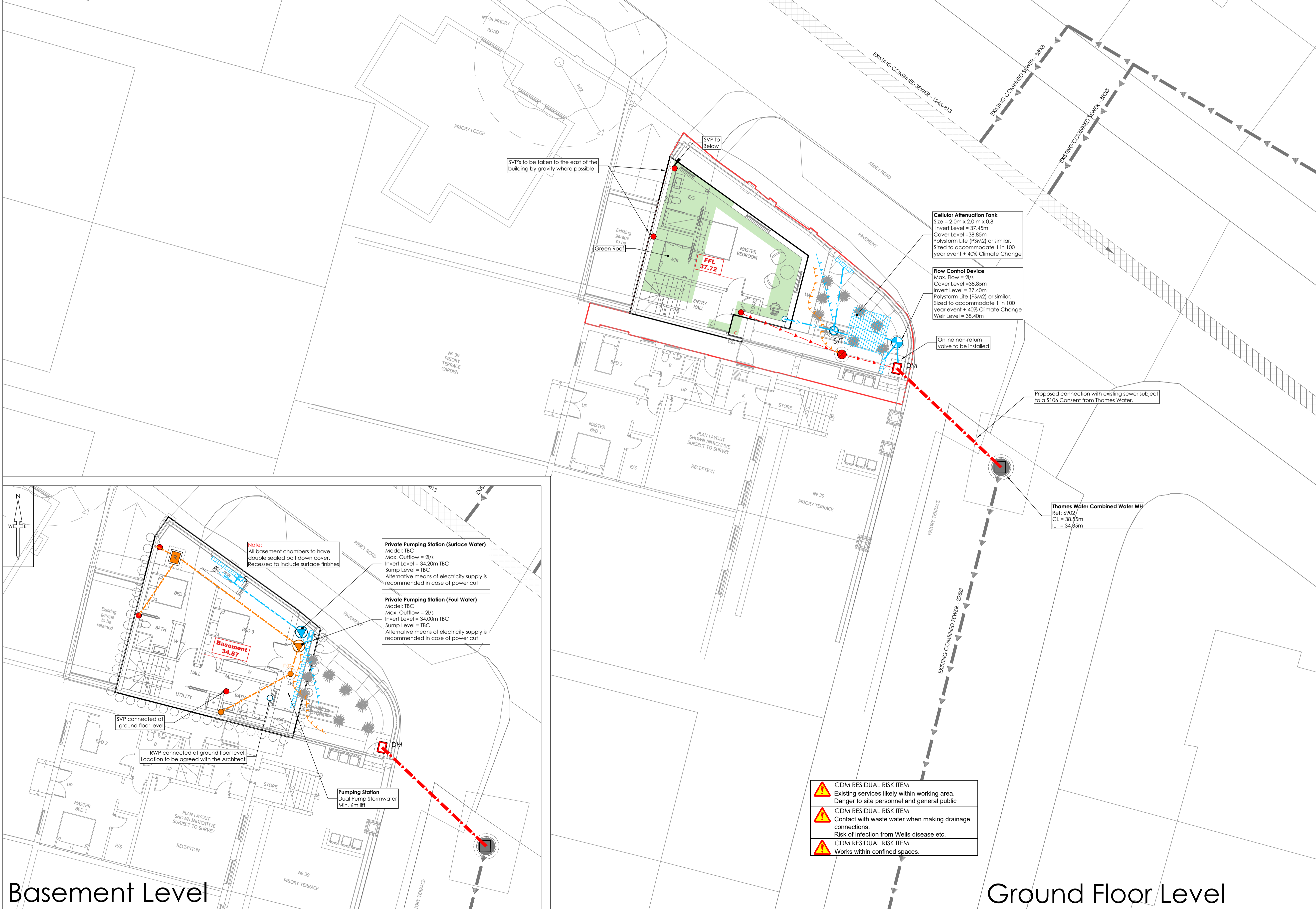
Project:
**39 Priory Terrace,
London, NW6 4DG**

Drawing title:
Drainage Design

Scale at A1:	Drawn by:	Date:	CHK'd by:
1:100	SNN	February 2020	MBD

Status: Purpose For Issue:
S2 PRELIMINARY

Drawing Number: **2015-HRW-XX-XX-DR-C-0500** Rev: **P01**



- CDM RESIDUAL RISK ITEM
Existing services likely within working area. Danger to site personnel and general public
- CDM RESIDUAL RISK ITEM
Contact with waste water when making drainage connections. Risk of infection from Weils disease etc.
- CDM RESIDUAL RISK ITEM
Works within confined spaces.

Basement Level

Ground Floor Level