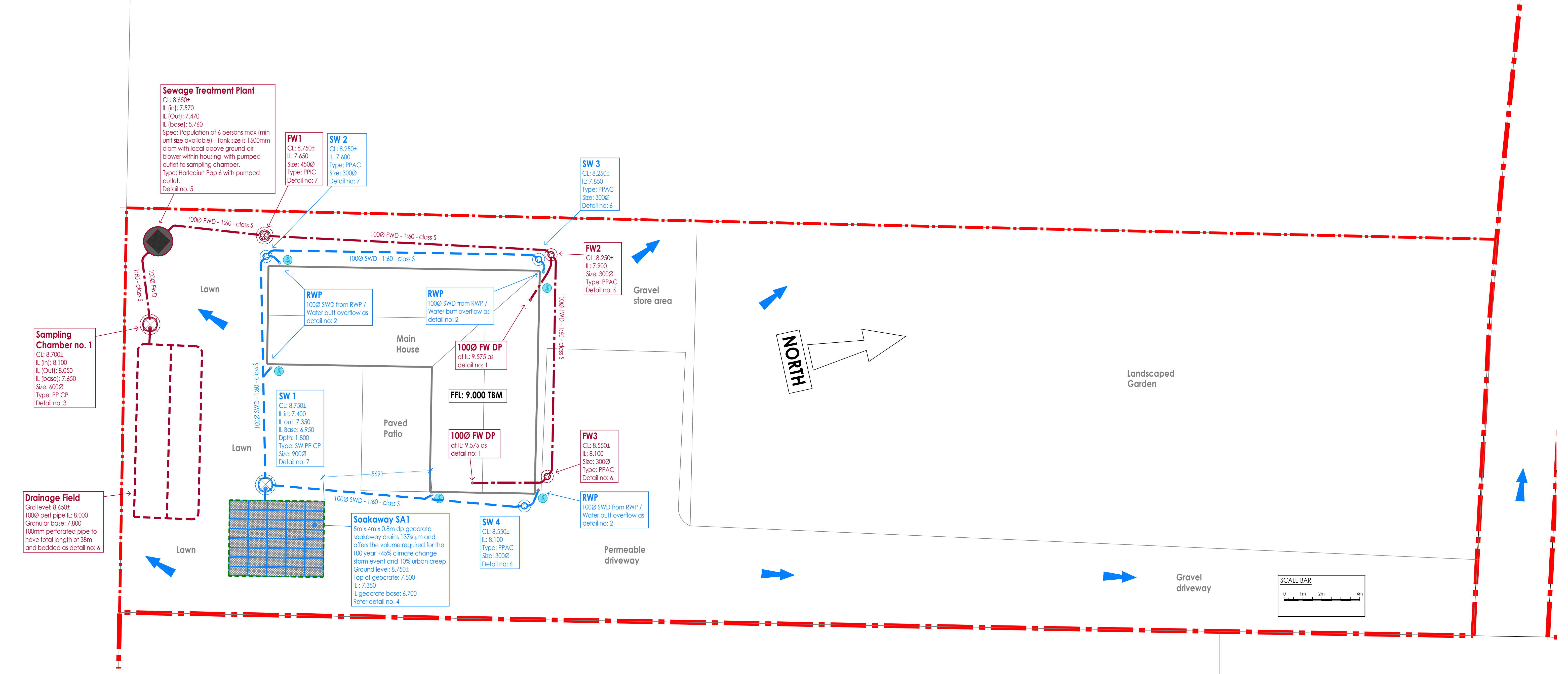




DRAINAGE STRATEGY
FOUL & STORM WATER DESIGN -

GENERAL - The drainage scheme shown is designed to accompany the planning application and for storm water uses the recommendations found in the new National SuDS Design Guidance of July 2025.

STORM DESIGN - The existing site is currently green field within the applicants land. The site is within a flood zone 1.

The drainage hierarchy for SuDS design has been considered and reuse of rainwater has been provided where practicable for the client. The site has proven to infiltrate to ground as supported by in situ test results received from the clients bulider and an infiltration design f rate for design of 1.028 x 10⁻² m/s has been established.

All rainwater infiltrates to the ground via geocrate soakaways which have been sized to provide sufficient storage for the 100 year + 45% climate change storm event. The design infiltration rate has been factored by 1.5 to mitigate the effects of subsequent storms and siltation.

All external areas shall be permeable construction designed by others.

DESIGN EXCEEDANCE FLOWS - The site falls north to south with design exceedance flowing towards the neighbouring land to the north.

MAINTENANCE AND MAINTENANCE PLAN -

- All rainwater hopperheads, pipes and gutters should be cleaned twice a year.
- Empty and clean any rainwater butts yearly.
- Empty and clean catchpits twice a year
- All pipes should be cleaned/jetted once every two years.

FOUL WATER - The foul drainage from the new house will be connected to a new POP 6 person population sewage treatment plant manufactured to BS En 12566 treating effluent to reach a standard of 96.2% efficiency rating and offering a quality of 11mg/lit BOD; 16mg/lit Suspended solids & 5.8 mg/lit NH4-N (Ammonia) which exceed the standard 20:30:20 standard required by the Royal Society of Health all as a Matix plant as manufactured by Hartequin Ltd.

The outfall will connect to a drainage field which has been tested in situ to support a Vp of 29 s/mm and requiring a drainage field perforated pipe length of 3m.

No environmental permit is required by the Environment Agency as the system complies with the general binding rules.

NEW SW DRAINAGE FEATURE KEY

PROPOSED PP SW CP AS
DETAIL No. 7

GEOCRILL SOAKAWAY AS
DETAIL No. 4

PROPOSED RWP WITH WATER
BUTT AS DETAIL No. 2

DESIGN EXCEEDANCE FLOW
DIRECTION

DRAIN / SEWER PIPELINE KEY

NEW FWD/FWS

NEW SWD/SWS

This is drawing is copyright and remains in the ownership of Simon Dent Associates (SDA)

This drawing should be read in conjunction with the design team's relevant documents, drawings & details.

Existing public & private utility services and drainage locations shown have been derived from non-intrusive survey techniques. Their location is not accurate and the contractor must satisfy himself using open excavation where the location of such plant and apparatus is critical in construction.

If the contractor has constructed from this drawing without necessary approvals from Local Planning Authorities, Building Control, Sewerage Undertakers, Environment Agency etc then any abortive work shall be at his own financial risk and not the responsibility of SDA.

If the contractor has constructed from this drawing whilst the drawing remains PRELIMINARY status, then any abortive work shall be at his own financial risk and not the responsibility of SDA.

The contractor should NOT construct any works should there be any doubt with information shown from any of the source. ALWAYS USE GIVEN DIMENSIONS ONLY. ALWAYS ASK IF IN DOUBT.

ALWAYS PRINT THIS DRAWING IN COLOUR

P1 PRELIMINARY ISSUE 11.05.2026 SAD

Rev Description Date Chkd

SIMON DENT ASSOCIATES

Civil - Infrastructure - SuDS - Flood Risk - Drainage - Rainwater - Sanitation - Public Health

Consulting Engineers

☒ Home Office

☐ Gosport Office

simondent@live.co.uk
0754 658 3150



Client Mrs Isabella Mears

Project The Lodge 8 Highfields Brighton
Road Warringlid RH17 5SY

Drawing title Proposed Site Drainage

Drawing status **PLANNING ISSUE**

Project no Scales Drawing no Rev
25065A A1 - 1:100 A3 - 1:200 **101** **P1**