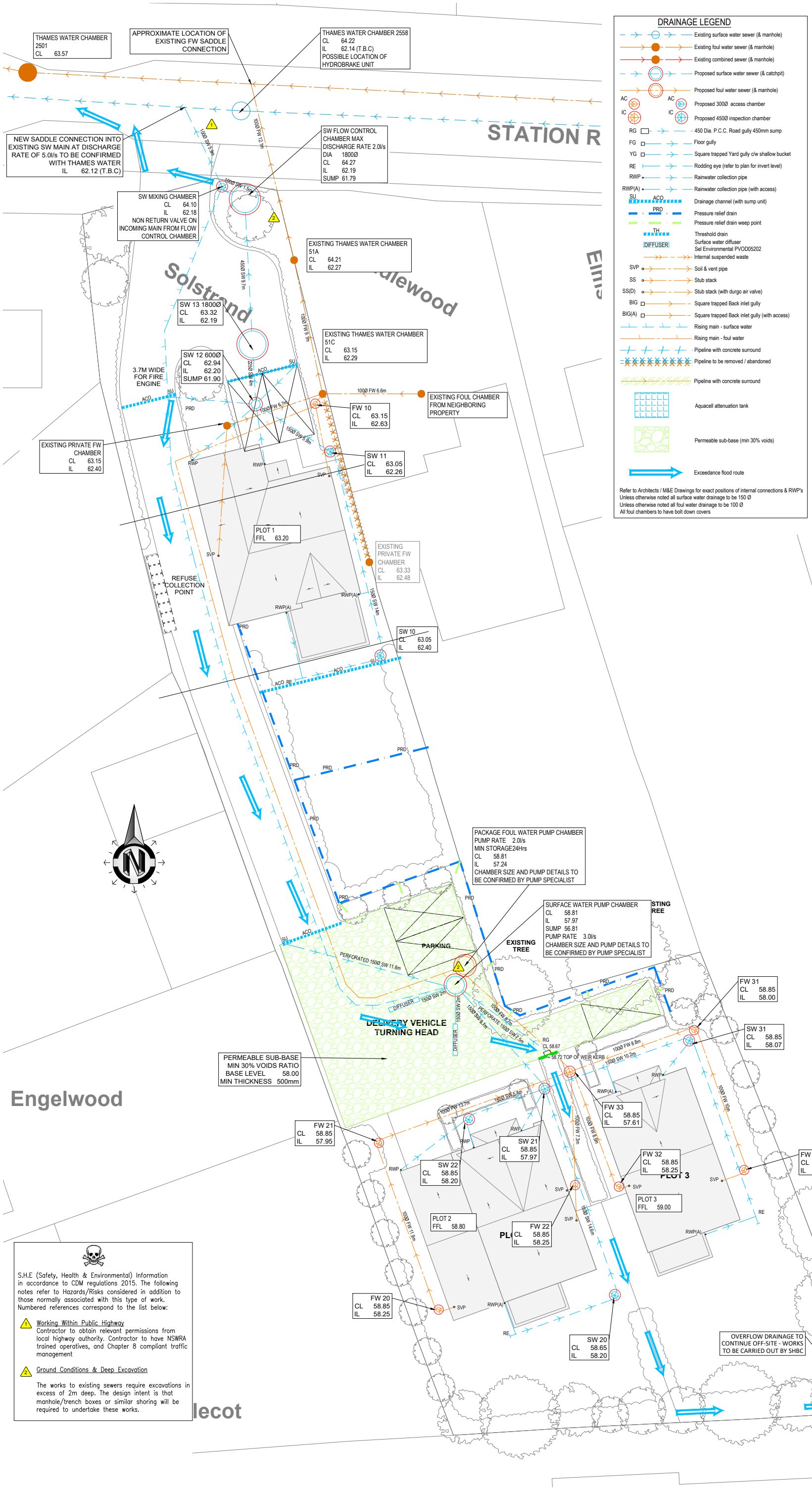

DRAINAGE LEGEND

- Existing surface water sewer (& manhole)
- Existing foul water sewer (& manhole)
- Existing combined sewer (& manhole)
- Proposed surface water sewer (& catchpit)
- Proposed foul water sewer (& manhole)
- AC / IC — Proposed 300Ø access chamber / Proposed 450Ø inspection chamber
- RG — 450 Dia. P.C.C. Road gully 450mm sump
- FG — Floor gully
- YG — Square trapped Yard gully c/w shallow bucket
- RE — Rodding eye (refer to plan for invert level)
- RWP — Rainwater collection pipe
- RWP(A) — Rainwater collection pipe (with access)
- SU / ACO — Drainage channel (with sump unit)
- PRD — Pressure relief drain
- Pressure relief drain weep point
- TH — Threshold drain
- DIFFUSER — Surface water diffuser Sel Environmental PVOD05202
- Internal suspended waste
- SVP — Soil & vent pipe
- SS — Stub stack
- SS(D) — Stub stack (with durgo air valve)
- BIG — Square trapped Back inlet gully
- BIG(A) — Square trapped Back inlet gully (with access)
- Rising main - surface water
- Rising main - foul water
- Pipeline with concrete surround
- Pipeline to be removed / abandoned
- Pipeline with concrete surround
- Aquacell attenuation tank
- Permeable sub-base (min 30% voids)
- Exceedance flood route

Refer to Architects / M&E Drawings for exact positions of internal connections & RWP's
Unless otherwise noted all surface water drainage to be 150 Ø
Unless otherwise noted all foul water drainage to be 100 Ø
All foul chambers to have bolt down covers

NOTES

1. This drawing is to be read in conjunction with all relevant architects, engineers and specialist sub-contractors drawings and specifications.
2. All setting out to be in accordance with the Architects drawings. Dimensions must not be scaled from the drawing.
3. All private drainage is to be in accordance with BS EN 752-1-2-3-4, BS EN 1295-1, BS EN 1610 and all relevant sections of Approved Document H of the Building Regulations (2002 edition with 2010 amendments).
4. All adoptable drainage is to be in accordance with 'Sewers for Adoption 7th Edition' - A Design and Construction Guide for Developers and the local Highway Authority requirements where appropriate.
5. Where drainage pipework is to be flexibly jointed extra strength vitrified clay it should be to BS EN 295-1, Hepworth 'Supersleve' or equivalent.
6. Where drainage pipework is plastic i.e. pvc-u it shall be to BS EN 1401-1 (class SN8) OSMA or equivalent.
7. All concrete pipework shall be to BS EN 1916 and BS 5911-1 (Load class M unless indicated otherwise). Manholes and fittings shall be to BS 5911 parts 3 and 4 and BS EN 1917.
8. Where drains pass through foundations or connect to manholes, flexible pipe joints are to be provided within 150mm of the face of the structure and within a further 600mm to form a rocker pipe.
9. Where pipes pass through screen walls, footings or retaining walls, lintels are to be provided.
10. Where pipelines pass within 1m of buildings or walls the foundations are to be taken down below the bottom of the pipe trench.
11. Where connections are to be made to existing manholes/sewers, invert levels, pipe sizes and orientation should be checked prior to the commencement of the works and any variance reported to the engineer immediately.
12. The contractor is to ensure that protective measures are taken to ensure that drainage pipework and fittings are not damaged by site traffic prior to oversite filling operations being completed around buildings.
13. Drawing annotation is as follows:
    - AC - 300mm Ø polypropylene or vitrified clay access chamber
    - IC - 450mm Ø polypropylene inspection chamber
    - FW - foul water
    - SW - surface water
    - FWD - foul water drain
    - SWD - surface water drain
    - SVP - soil & vent pipe
    - RWP - rainwater pipe
    - YG - yard gully
    - B.I.G - back inlet gully

    (Annotations are indicative only)
14. All pipework connections are to be arranged to direct flows down or into the main channel in the direction of the main flow. Where necessary 3/4 bends are to be used on oblique connections inside the manhole benching where sufficient room exists or on oblique pipeline connections outside the chamber in order to divert flows down the main channel. Connections brought in perpendicular to the main channel are not acceptable. Where possible the main channel flow shall be from any connections with WC's to ensure a flush flow through the main channel.
15. Where preformed polypropylene manhole bases are used, they are to be orientated such that the main flow is through the main channel of the base. This should be achieved by incorporating long radius bends outside of the manhole.
16. Any connection into a public sewer is to be inspected by the local Water Company and carried out fully in accordance with their requirements. The contractor is to allow for submitting the appropriate 'Connection to a Public Sewer' application forms and paying all necessary fees.
17. The contractor is to allow for obtaining the appropriate Road Opening licenses from the local Highway Authority and paying all necessary fees for any works associated with off-site sewer connections and highway works. All reinstatement works within the public highway are to be carried out in accordance with the requirements of the local Highway Authority.
18. The contractors attention is drawn to the need to ensure that any trenches excavated through previously compacted filled areas, in particular under the building footprint and immediately around the outside, are re-compacted to ensure localised differential settlement does not occur.
19. Drainage channel(s) to be ACO Multidrain or equivalent across driveways and footpaths, ACO doorway drain across level accesses or equivalent. For installation guidance refer to the manufacturer's specification. Refer to Landscape Architects details for surfacing treatments around units where applicable. Where channels are indicated as in-built falls the relevant units are to be incorporated to provide the necessary length of channel gradient from the head of the run to the sump unit.

EXISTING DRAINAGE INFORMATION

Any historical drainage information reproduced on GAP drawings, including any drainage information from record drawings or supplied by a Third Party, are in approximate locations. GAP Ltd cannot be held liable for the accuracy of information obtained from record drawings or supplied by Third Parties.
Contractors must undertake their own due diligence with respect to this information.

NOT FOR CONSTRUCTION

S.H.E (Safety, Health & Environmental) Information in accordance to CDM regulations 2015. The following notes refer to Hazards/Risks considered in addition to those normally associated with this type of work. Numbered references correspond to the list below:

1. Working Within Public Highway
   Contractor to obtain relevant permissions from local highway authority. Contractor to have NSWRA trained operatives, and Chapter 8 compliant traffic management
2. Ground Conditions & Deep Excavation
   The works to existing sewers require excavations in excess of 2m deep. The design intent is that manhole/trench boxes or similar shoring will be required to undertake these works.

Rev	Date	Revision Description	Issued by
P02	11.01.24	Lower turning head layout amended	JLB
P01	24.05.23	Preliminary Issue	JLB

Drawing Status: S0 - Work in Progress

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Project: Solstrand, Station Rd, Bagshot
Drawing Title: Drainage Layout

Scale: 1:125@A1 / 1:250@A3 Drawn: JLB Checked: IJW

Project-Originator-Zone-Level-Type-Role: 23235-GAP-XX-XX-DR-C- Drawing No.: 9000 Revision: P02