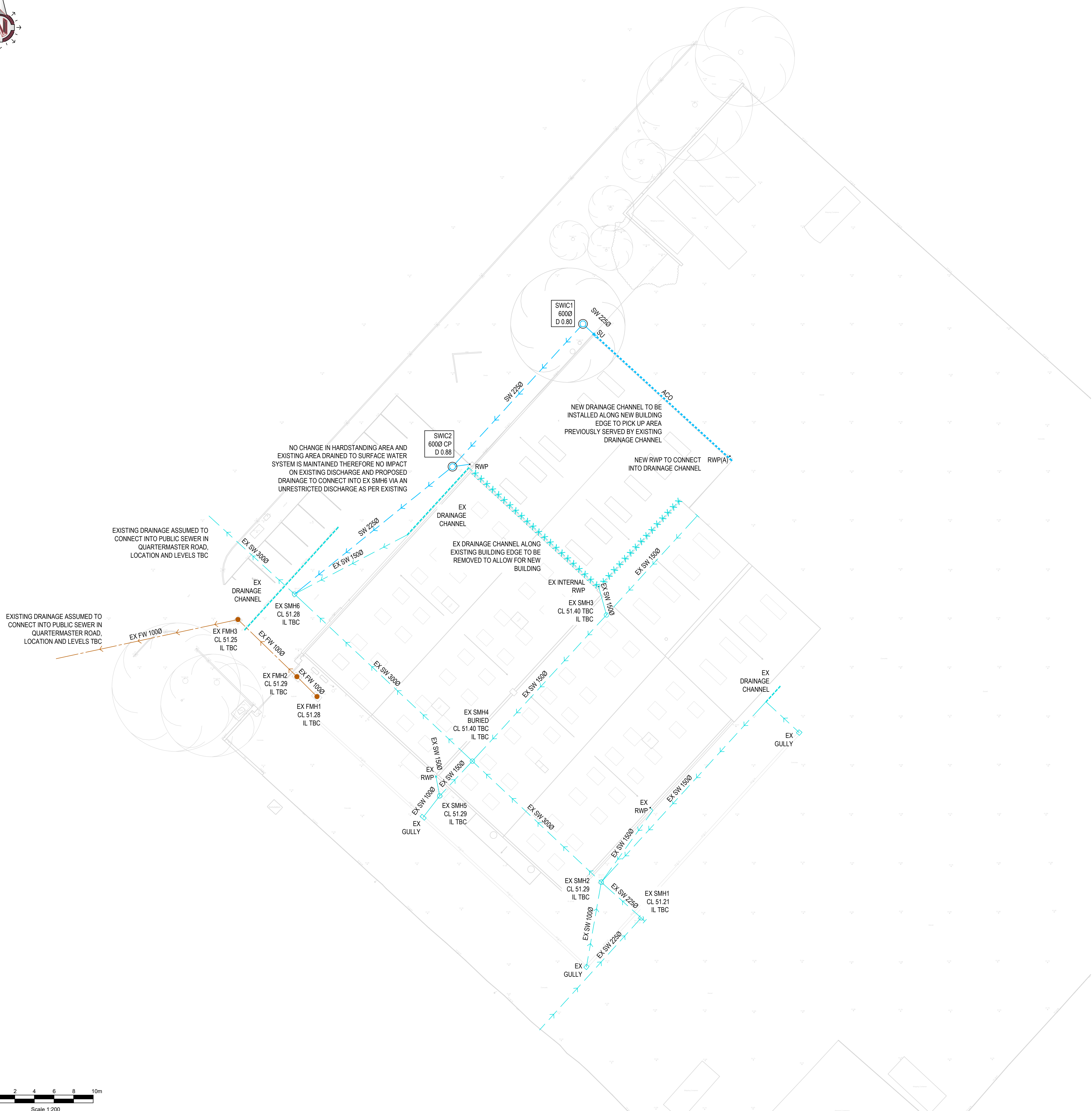


Drainage Legend

	Existing surface water sewer (& manhole)
	Existing foul water sewer (& manhole)
	Proposed surface water sewer (& manhole)
	RWP
	RWP(A)
	SU ACO Drainage channel (with sump unit)
	Pipeline to be removed / abandoned

Refer to Architects / M/E Drawings for exact positions of internal connections & RWP's.
Unless specified otherwise, all Inspection chambers and catchpits are to be 600D.
Unless otherwise noted all drainage to be 150D.

Surface Water Design Commentary	
The surface water drainage design has been prepared using the following design criteria. The system is designed to keep all runoff below ground for all rainfall events.	
Return Period	100 years
Climatic Change	> 45%
Storm Durations	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960 & 1440 minutes
Rainfall Methodology	FEH-22
Cv	1.00

Surface water discharges to a surface water sewer via the existing surface water network for the site which outfalls from SMH6 to and assumed off-site public sewer. Surface water flows for the new extension are minimal compared to the existing site flows and there is no increased in hard standing area therefore the proposals are considered to not have an impact on the off-site flow rate.

A catchpit manhole is located on the proposed network upstream of existing network to protect it from silt and debris. In addition, all linear drainage channels within the site area will themselves be trapped to provide an additional level of protection.

Drainage Notes:

- Cover levels have been based on existing ground levels taken from the topographical survey, proposed levels to be confirmed by the architect.
- RWP exact locations to be confirmed by the architect.
- Existing hard standing area served by the existing rain water drainage channel has been estimated based on layouts, exact areas to be confirmed.
- The CCTV survey didn't identify invert levels. It is recommended invert levels are determined to allow invert level connection feasibility.

General Notes

1. These drawings are to be read in conjunction with all relevant Architect's and Engineer's drawings and specifications.
2. Except where specific dimensions are shown on these drawings, all setting out shall be in accordance with the architects drawings and specifications.
Any discrepancy between these drawings and the architects drawings or the actual site dimensions should be referred to the engineer immediately and confirmed in writing. The contractor is responsible for the accuracy of all dimensions and the setting out.
3. Do not scale from these drawings. If in doubt, ask.
4. All dimensions are in millimeters unless noted otherwise.
5. All proprietary materials to be in accordance with manufacturers specifications and to Engineer's approval.
6. All proprietary CDP elements shown on the drawings should be treated as indicative and are subject to detailed design by specialist manufacturer/supplier. The contractor should make suitable allowance for third party design/detailing and potential impact on the permanent work design.

EXISTING DRAINAGE INFORMATION

Any historical drainage information reproduced on Godsell Arnold Partnership Ltd drawings, including any drainage information from record drawings or supplied by a Third Party, are in approximate locations. Godsell Arnold Partnership 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.

THIS DRAWING IS FOR
PLANNING PURPOSES ONLY

This drawing has been prepared for submission to fulfil planning permission requirements and is not to be used for construction in anyway. Some elements may still be subject to amendment during scheme development, post planning approval.

Godsell Arnold Partnership Ltd accept no liabilities if works are constructed based on this drawing.

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NOT FOR CONSTRUCTION

P01	05.01.26	Preliminary issue.	FDH	I/JW	FDH
Rev	Date	Revision Description	Drawn	Chk'd	Issued

Drawing Status: **S4 - Suitable for Approval**

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Drawing Title: DRAINAGE STRATEGY

Scale 1:200 Drawn: FDH Checked: IJW
@ A1:

25185-GAP-XX-XX-DR-C 9000 P01