



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 450Ø.
Unless otherwise noted all drainage to be 100Ø.

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
Climate Change	+ 45%
Storm Durations	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1,440, 2,160 & 2,880 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 private surface water sewer. Surface water flows for the new extension and associated yard have been restricted to greenfield runoff rates. Storage is provided through the use of attenuation and flows have been restricted to 1/s via a hydrobrake within a PCC chamber.

Catchpit manholes are located upstream of the attenuation and upstream of the existing surface water 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.

- 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.

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 CDG elements shown on the drawings should be treated as indicative and are subject to design by specialist manufacturer/supplier. The contractor should make suitable allowance for third party design/detailing and potential impact on the permanent work design.

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 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.

Godsell Arnold Partnership Ltd.will not be able to assist in any technical question arising if any construction proceeds based on this planning drawing.

Godsell Arnold Partnership Ltd drawings are not to be used for setting out.
Drawings issued in .dwg format are for information only. Use of .dwg files for
setting out is entirely at the Contractor's risk.

P02	28.05.26	Updated for planning comments - attenuated discharge added.	FDH	UW	FDH
P01	05.01.26	Preliminary issue.	FDH	UW	FDH
Rev	Date	Revision Description	Drawn	Chk'd	Issued

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

GODSELL • ARNOLD
PARTNERSHIP LTD

Consulting Civil and Structural Engineers

Broadstone, Dorset. BH18 8AX
Telephone: 01202 600 900 Website: www.gapltd.net

Client: **KEVIN SHEPPARD**

Project: SPECTRA

Drawing Title: DRAINAGE STRATEGY

Scale: 1:200 Drawn: FDH Checked: IJW

Project-Originator-Zone-Level-Type-Role	Drawing No.:	Revision:
---	--------------	-----------

25185-GAP-XX-XX-DR-C 9000 P02

H.E information in accordance with 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:

REFERENCE	DETAILS
	Existing Services - Services to be located prior to construction and care taken during works to prevent damage to existing services. Existing drainage to be diverted where required and recommended remedial works undertaken to ensure correct functioning and maintenance of drainage systems.
	Ground Conditions & Temporary Works - In the absence of a Site Investigation Report for trenching it is assumed ground conditions in this area are suitable without requiring temporary support during construction. Ground conditions to be confirmed prior to construction.
	Tree Roots - No arboricultural information has been made available, therefore there is the possibility that root protection areas will impose restrictions on drainage locations.