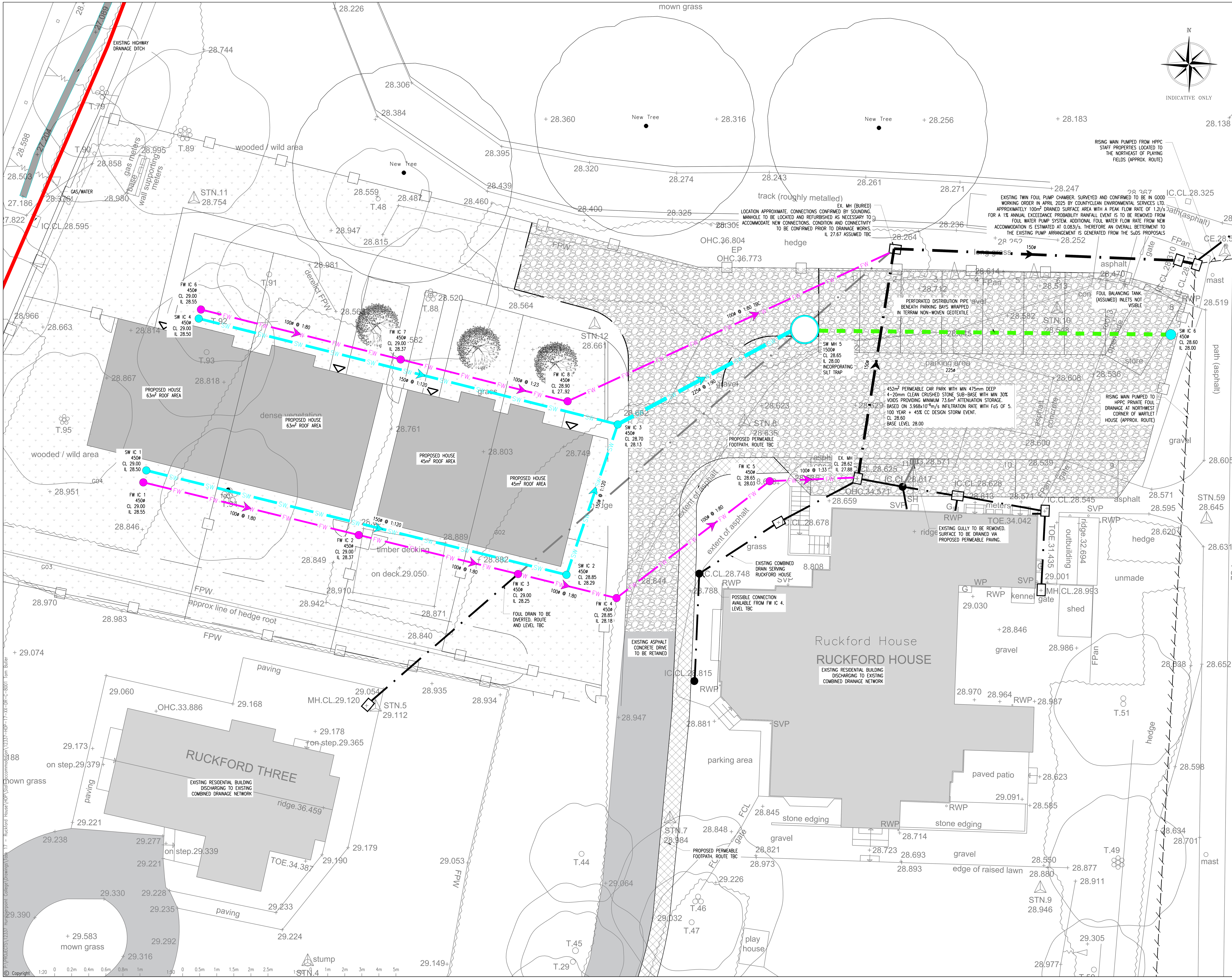

Project/Task No. 12337/17 Scale: 1:200 ORIGINAL DRAWING SIZE A1

1. GENERAL

A. This drawing is not to be scaled, work to figured dimensions only, confirmed on site.

B. This drawing is to be read in conjunction with all relevant architectural drawings, detailed specifications where applicable and all associated drawings in this series.

C. Any discrepancy on this drawing is to be reported immediately to the partnership for clarification.

D. The contractor is responsible for all temporary works and for the stability of the works in progress.

2. BELOW GROUND DRAINAGE

A. All foul and storm water drains which are not to be adopted as public sewers under a Section 104 Agreement must be constructed in accordance with Building Regulations Approved Document H, BS EN 752:2017 and, where appropriate, the relevant agreement certificates.

B. Plastic pipes and fittings shall be of unplasticised polyvinyl chloride (PVC-U) complying with the requirements of BS EN 1401-1:2019 +A1:2023.

C. Concrete pipes shall be spun by a centrifugal process or be vertically pressed. Concrete pipes shall comply with the requirements of, and be tested in accordance with, BS 5911-1:2021 and BS EN 1916:2002.

D. Vitrified Clay pipes, fittings, joints, adaptors and couplings shall comply with the requirements of BS EN 295-1:2013 and BS EN 295-4:2013.

E. All private foul water drains are to be laid at minimum gradient of 1 in 40 at the head of pipe runs, and minimum 1 in 80 elsewhere, unless otherwise stated on the drawing. Use chamber main channel invert levels to set gradient. Incoming branch invert level is typically 50mm above main channel.

F. All private foul water drains are 100mm diameter, unless otherwise stated on the drawing.

G. All private surface water drains are to be laid at minimum gradient of 1 in 80 unless otherwise stated on the drawing. Use chamber main channel invert levels to set gradient. Incoming branch invert level is typically 50mm above main channel.

H. All private surface water drains are 100mm diameter from downpipes and 150mm diameter elsewhere, unless otherwise stated on the drawing.

I. Allow for rodding access above ground where rainwater downpipes do not have a direct connection to an inspection chamber.

J. Plastic Inspection Chambers shall comply with the requirements of BS EN 13598-1:2020.

K. Precast concrete manhole units shall comply with the requirements of BS 5911-3:2022 and BS EN 1917:2002. Manhole cover slabs situated under carriageways shall be heavy duty and those situated elsewhere shall be light duty. The relevant absorption tests required shall be carried out on a sample of those rings and slabs used unless a certificate of testing is supplied by the manufacturer.

L. Manhole covers and frames are to be a minimum of:
Class B125 in non-trafficked areas, footways and verges.
Class D400 in trafficked areas and highways.
Class E600 and F900 manhole covers to be used for heavy duty applications such as docks, airports and industrial areas.

M. Manhole covers and frames to be bedded and haunched externally in mortar.

N. All concrete used in drainage works is to comply with BRE Special Digest 1 (SD1:2005 – 3rd Edition) for Class 2 sulphate conditions.

O. Any existing drain or sewer being re-used is to be surveyed and levelled prior to commencement of the drainage works, and refurbished if necessary.

P. Connections to an adopted sewer are only to be made after receiving approval, from the relevant Sewerage Undertaker, of a sewer connection application (Section 106 – Water Industry Act 1991).

Q. All drains, sewers and manholes are to be cleaned and tested for water tightness on completion of construction.

LEGEND

SW	PROPOSED SURFACE WATER DRAIN
FW	PROPOSED FOUL WATER DRAIN
	PROPOSED PERFORATED PIPE
	EXISTING RISING MAIN
	EXISTING SURFACE WATER DRAIN
	EXISTING SURFACE WATER DRAIN TO BE ABANDONED
	EXISTING FOUL/COMBINED WATER DRAIN
	EXISTING FOUL/COMBINED WATER DRAIN TO BE ABANDONED
	PROPOSED CONCRETE MANHOLE
	PROPOSED PLASTIC INSPECTION CHAMBER (PPIC)
	HIGHWAY GULLY
	PROPOSED PERMEABLE PAVING
	SITE BOUNDARY

1:100 0 1m 2m 3m 4m 5m

Description	By	Aprvd.	Date	Rev.
FIRST ISSUE	TRB	AK	21.07.25	P01

PRELIMINARY DRAWING
NOT FOR CONSTRUCTION

Title
DRAINAGE LAYOUT

Project
NEW STAFF ACCOMMODATION

Client
HURSTPIERPOINT COLLEGE

HOP
CONSULTING CIVIL AND STRUCTURAL ENGINEERS
HOP House, 41 Church Road
Hove, East Sussex BN3 2BE
www.hop.uk.com
ask@hop.uk.com
+44 (0)1273 223900

Drawing No. 12337-HOP-17-XX-DR-C-8011 Status S0 Rev. P01

P:\PROJECTS\12337 Hurstpierpoint College\Drawings\Task 17 - Ruckford House\HOP\Staff accommodation\12337-HOP-17-XX-DR-C-8001 Tom Butler