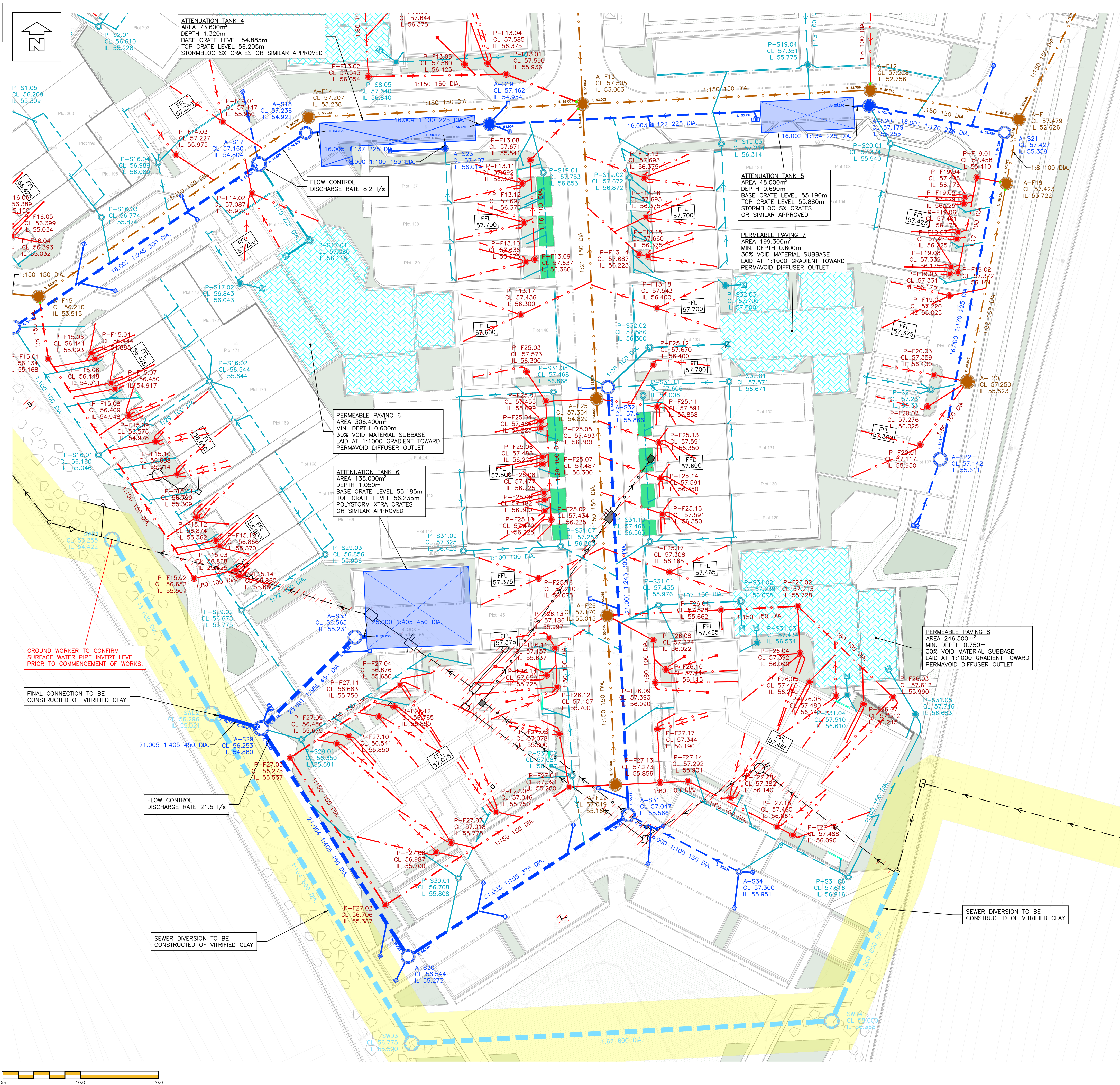




DETAILED DRAINAGE
DESIGN BASED ON STAGE
3 SUBSTRUCTURE DESIGN.
DRAINAGE TO BE
REVIEWED ONCE FINALISED
PILE LOCATIONS AND
SUBSTRUCTURE LAYOUTS
CONFIRMED.

RWP/SVP LOCATIONS
SUBJECT TO BE REVIEWED
ONCE FINALISED
ARCHITECTURAL LAYOUTS
CONFIRMED.

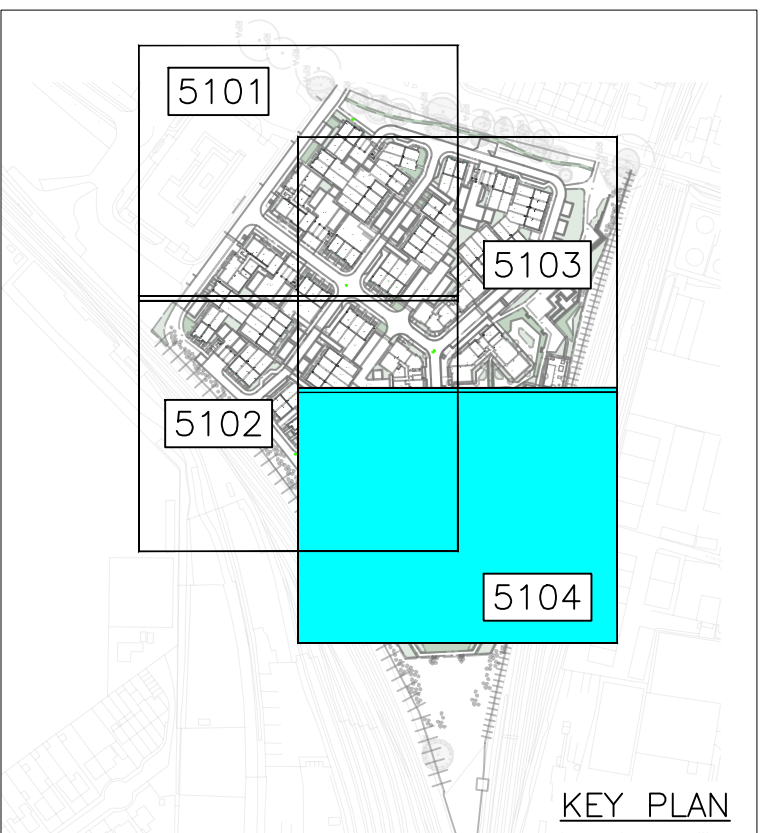
DRAINAGE LEGEND

- EXISTING SURFACE WATER SEWER / MANHOLE
- EXISTING FOUL WATER SEWER / MANHOLE
- EXISTING FOUL / SURFACE WATER SEWER TO BE ABANDONED
- DIVERTED SOUTHERN WATER SURFACE WATER MANHOLE / INSPECTION CHAMBER / ACCESS CHAMBER
- DIVERTED SOUTHERN WATER SURFACE WATER DRAIN 100mm Dia. U.N.O.
- SURFACE WATER MANHOLE / INSPECTION CHAMBER / ACCESS CHAMBER
- SURFACE WATER CATCHPIT MANHOLE
- SURFACE WATER FLOW CONTROL MANHOLE
- ADOPTABLE SURFACE WATER DRAIN 100mm Dia. U.N.O.
- PRIVATE SURFACE WATER DRAIN 100mm Dia. U.N.O.
- RODDING EYE.
- PATIO LAND DRAIN
- RAIN WATER DOWNPIPE (LOCATION AS ARCHITECTS DRGS).
- ACO CHANNEL DRAIN / SUMP WITH HEELGUARD GRATING
- ACO BRICKSLOT THRESHOLD DRAIN / SUMP
- YARD GULLY
- ROAD GULLY
- ATTENUATION TANK OUT OF PROPRIETARY CRATE SYSTEM
- PERMAVOID DIFFUSER UNIT AND S.E.L. FLOW CONTROL MANHOLE
- FOUL WATER MANHOLE / INSPECTION CHAMBER / ACCESS CHAMBER
- ADOPTABLE FOUL WATER DRAIN 100mm Dia. U.N.O.
- ADOPTABLE FOUL WATER RISING MAIN
- PRIVATE FOUL WATER DRAIN 100mm Dia. U.N.O.
- FOUL WATER BACK INLET GULLY
- SOIL VENT PIPE / STUB STACK (LOCATION AS ARCHITECTS DRGS)
- EXTERNAL BACKDROP
- SOUTHERN WATER ASSET EASEMENT HATCH. 3.5m EACH SIDE FROM OUTSIDE OF PIPE.
- UNLINED (TYPE C) PERMEABLE CONSTRUCTION WITH 30% VOID MATERIAL SUBBASE.
- RAIN GARDEN WITH 100mm Dia. PERFORATED PIPE LAID AT BASE OF STONE TRENCH.

- NOTES
- © This drawing is the copyright of ARCH Associates Limited. It may not be copied, altered or reproduced without their written authority. This drawing must not be scaled. IF IN DOUBT ASK.
- GENERAL NOTES
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS AND SPECIALISTS DRAWINGS AND DETAILS.
 - ALL FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS.
 - ANY DISCREPANCIES BETWEEN THIS DRAWING AND OTHER INFORMATION IS TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF THE WORKS ON SITE.
 - THE MAIN CONTRACTOR SHALL BE RESPONSIBLE FOR THE SETTING OUT AND ACCURACY OF ALL DIMENSIONS.
 - THE CONTRACTOR IS TO ENSURE THE STABILITY AND STRUCTURAL INTEGRITY OF THE EXISTING PROPERTY AT ALL TIMES DURING WORKS AND IS TO BE RESPONSIBLE FOR ALL PROPPING AND SHORING AS REQUIRED.
 - MAIN CONTRACTOR TO PROVIDE AND FIX SUITABLE BRACING AND PROPPING FOR ALL ELEMENTS IN THE TEMPORARY CONDITION DURING CONSTRUCTION STAGE, SUCH AS TO ENSURE STRUCTURE STABILITY AT ALL TIMES.
 - IT IS THE CONTRACTORS SOLE RESPONSIBILITY FOR ASCERTAINING SAFE DISPOSAL OF ANY OFF-SITE EXCAVATED SPOIL. NO CLAIM RESULTING FROM ABNORMAL PILE REQUIREMENTS WILL BE ENTERTAINED.
- DRAINAGE NOTES
- REFER TO DRAWING 17100-AAL-XX-XX-T-C-5199 FOR COMPREHENSIVE DRAINAGE NOTES.

KEY TO HEALTH AND SAFETY SYMBOLS	
THESE NOTES ARE BASED ON THE USE OF EXPERIENCED AND COMPETENT CONTRACTORS CARRYING OUT THE WORK USING AN APPROVED SAFE METHOD OF WORKING	
	INDICATES A RESIDUAL RISK REQUIRING A COMPULSORY ACTION
	INDICATES A RESIDUAL RISK REQUIRING A PROHIBITIVE ACTION
	INDICATES A RESIDUAL RISK AS A WARNING
	INDICATES A RESIDUAL RISK FOR INFORMATION

COLOURED
DRAWING
REQUEST A COLOURED COPY IF
THIS STAMP IS NOT RED



P08	31.07.2026	STAGE 4 DESIGN	TA
P07	27.04.2026	ADOPTABLE ROAD EXTENTS INCORPORATED	TA
P06	28.11.2025	REVISED LEVELS INCORPORATED	TA
Rev.	Date	Description	By

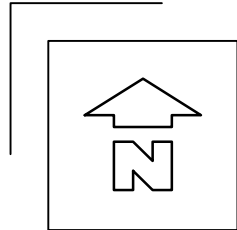
ARCH ASSOCIATES

01489 890004
admin@archassociates.co.uk
www.archassociates.co.uk

Client: **LOVELL**
Client project code: **DS0411**

Architect: **HGP ARCHITECTS**
Project title: **PHASE 3, NORVARTIS SITE, HORSHAM, WEST SUSSEX.**

Drawing title	DRAINAGE, SHEET 4.				
Scale	1:250	Paper size	A1	Date	DEC 2024
Name	TA	Drawn by	CH	Checked by	S3
Project code	17100	Originator	Functional	Spatial	Form
	-AAL-	XX	XX	-D-	C-5104-P08



CATCHMENT PLAN LEGEND

	OUTFALL 1 CATCHMENT AREA = 719m ²
	OUTFALL 2 CATCHMENT AREA = 17834m ²
	OUTFALL 3 CATCHMENT AREA = 4334m ²

NOTES

© This drawing is the copyright of ARCH Associates Limited. It may not be copied, altered or reproduced without their written authority. This drawing must not be scaled. IF IN DOUBT ASK.

GENERAL NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS AND SPECIALISTS DRAWINGS AND DETAILS.
- ALL FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS.
- ANY DISCREPANCIES BETWEEN THIS DRAWING AND OTHER INFORMATION IS TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF THE WORKS ON SITE.
- THE MAIN CONTRACTOR SHALL BE RESPONSIBLE FOR THE SETTING OUT AND ACCURACY OF ALL DIMENSIONS.
- THE CONTRACTOR IS TO ENSURE THE STABILITY AND STRUCTURAL INTEGRITY OF THE EXISTING PROPERTY AT ALL TIMES DURING WORKS AND IS TO BE RESPONSIBLE FOR ALL PROPPING AND SHORING AS REQUIRED.
- MAIN CONTRACTOR TO PROVIDE AND FIX SUITABLE BRACING AND PROPPING FOR ALL ELEMENTS IN THE TEMPORARY CONDITION DURING CONSTRUCTION STAGE, SUCH AS TO ENSURE STRUCTURE STABILITY AT ALL TIMES.
- IT IS THE CONTRACTORS SOLE RESPONSIBILITY FOR ASCERTAINING SAFE DISPOSAL OF ANY OFF-SITE EXCAVATED SPOIL. NO CLAIM RESULTING FROM ABNORMAL TIP REQUIREMENTS WILL BE ENTERTAINED.

DRAINAGE NOTES

- REFER TO DRAWING 17100-AAL-XX-XX-T-C-5199 FOR COMPREHENSIVE DRAINAGE NOTES.

KEY TO HEALTH AND SAFETY SYMBOLS

THESE NOTES ARE BASED ON THE USE OF EXPERIENCED AND COMPETENT CONTRACTORS CARRYING OUT THE WORK USING AN APPROVED SAFE METHOD OF WORKING

	INDICATES A RESIDUAL RISK REQUIRING A COMPULSORY ACTION
	INDICATES A RESIDUAL RISK REQUIRING A PROHIBITIVE ACTION
	INDICATES A RESIDUAL RISK AS A WARNING
	INDICATES A RESIDUAL RISK FOR INFORMATION

**COLOURED
DRAWING**
REQUEST A COLOURED COPY IF
THIS STAMP IS NOT RED

DETAILED DRAINAGE
DESIGN BASED ON STAGE
3 SUBSTRUCTURE DESIGN.
DRAINAGE TO BE
REVIEWED ONCE FINALISED
PILE LOCATIONS AND
SUBSTRUCTURE LAYOUTS
CONFIRMED.

RWP/SVP LOCATIONS
SUBJECT TO BE REVIEWED
ONCE FINALISED
ARCHITECTURAL LAYOUTS
CONFIRMED.

P06	31.07.2026	STAGE 4 DESIGN	TA
P05	12.09.2025	DISCHARGE RATE REDUCED	TA
P04	23.06.2025	LLFA AND SW COMMENTS ADDRESSED	TA
P03	07.02.2025	RPA COORDINATION	TA
P02	31.01.2025	SITE PLAN UPDATED	TA
P01	20.12.2024	PRELIMINARY ISSUE FOR COMMENT	TA
Rev.	Date	Description	By

01489 890004
admin@archassociates.co.uk
www.archassociates.co.uk

Client LOVELL	Client project code DS0411
------------------	-------------------------------

Architect
HGP ARCHITECTS

Project title
**PHASE 3, NORVARTIS SITE,
HORSHAM, WEST SUSSEX.**

Drawing title
**DRAINAGE,
CATCHMENT PLAN.**

Scale 1:750	Paper size A1	Date DEC 2024	Drawn by TA	Checked by CH	Status S3
----------------	------------------	------------------	----------------	------------------	--------------

Name	Project code	Originator	Functional breakdown	Spatial breakdown	Form	Issues	Number	Revision
	17100	-AAL-	XX	-XX-	D	-C-	5105	P06