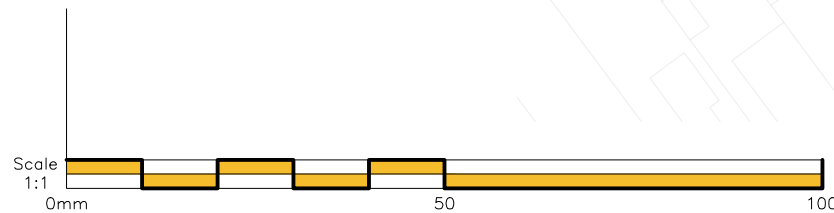
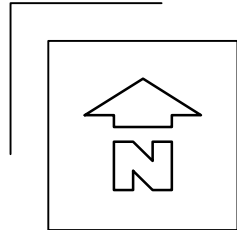




APPENDIX 2

DETAILED DRAINAGE DRAWINGS AND EXTERNAL LEVELS



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.
	LINED (TYPE C) PERMEABLE CONSTRUCTION WITH 30% VOID MATERIAL SUBBASE.
	RAIN GARDEN WITH 100mm Dia. PERFORATED PIPE LAID AT BASE OF STONE TRENCH.

NOTES

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- 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

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DRAWING**

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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.

P09	31.07.2026	STAGE 4 DESIGN	TA
P08	27.04.2026	ADOPTABLE ROAD EXTENTS INCORPORATED	TA
P07	28.11.2025	REVISED LEVELS INCORPORATED	TA
P06	31.10.2025	STAGE 3 SUBMISSION	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

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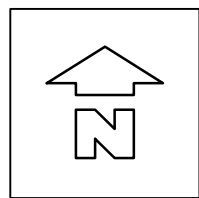
Client LOVELL	Client project code DS0411
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Architect
HGP ARCHITECTS

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

Drawing title
**DRAINAGE,
GENERAL ARRANGEMENT.**

Scale 1:750	Paper size A1	Date DEC 2024	Drawn by TA	Checked by CH	Status S3
Name Project code 17100	Originator Functional breakdown -AAL-	Spatial breakdown XX	Form breakdown -D-	Number Revision C-5100	P09



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 HEEGLARD 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
- LINED (TYPE C) PERMEABLE CONSTRUCTION WITH 30% VOID MATERIAL SUBBASE
- RAIN GARDEN WITH 100mm Dia. PERFORATED PIPE LAID AT BASE OF STONE TRENCH

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.

GROUND WORKER TO CONFIRM FOUL WATER PIPE INVERT LEVEL PRIOR TO COMMENCEMENT OF WORKS.

FINAL CONNECTION TO BE CONSTRUCTED OF VITRIFIED CLAY

Ex. SWMH 9851
SIZE TBC
COVER LEVEL 59.22m
INVERT LEVEL 57.81m
DEPTH 1.41m
(FROM SWS RECORDS)

Ex. FWH 9801
SIZE TBC
COVER LEVEL 59.72m
INVERT LEVEL 55.42m
DEPTH 4.30m
(FROM SWS RECORDS)

NOTES

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DRAINAGE NOTES

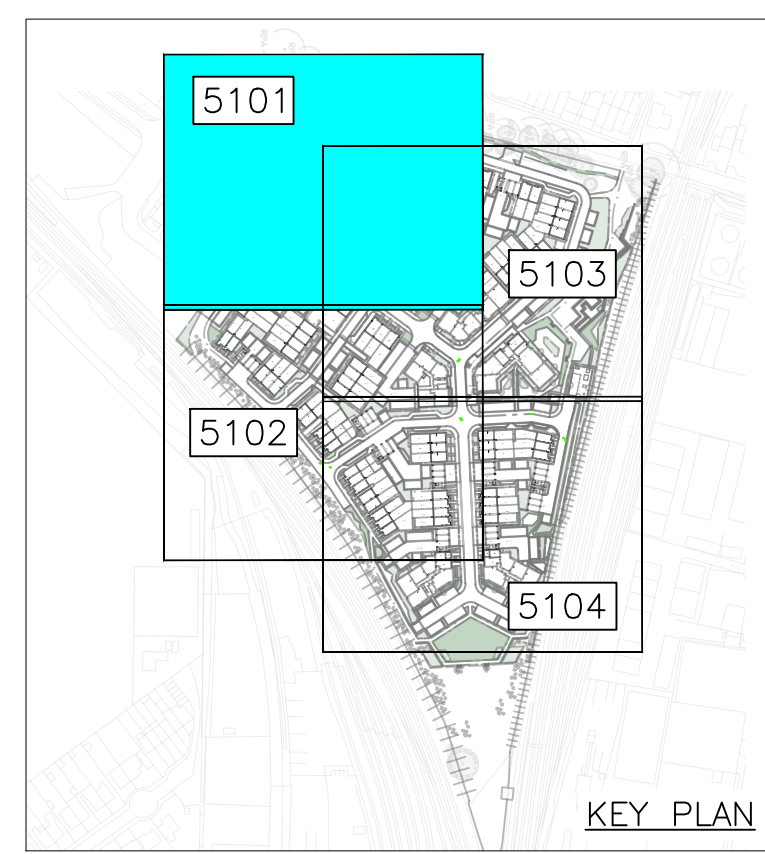
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P10	31.07.2026	STAGE 4 DESIGN	TA
P09	27.04.2026	ADOPTABLE ROAD EXTENTS INCORPORATED	TA
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Rev.	Date	Description	By

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Client: LOVELL
Client project code: DS0411

Architect: HGP ARCHITECTS

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

Drawing title: DRAINAGE, SHEET 1.

Scale	Paper size	Date	Drawn by	Checked by	Status
1:250	A1	DEC 2024	TA	CH	S3
Name	Project code	Originator	Functional	Spatial	Form
17100	-AAL-	XX	XX	-D-	C-5101-P10

