

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.

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 SURFACE WATER PIPE INVERT LEVEL PRIOR TO COMMENCEMENT OF WORKS.

SEWER DIVERSION TO BE CONSTRUCTED OF VITRIFIED CLAY

PERMEABLE PAVING 5
AREA 440.400m²
MIN. DEPTH 0.700m
30% VOID MATERIAL SUBBASE
LAID AT 1:1000 GRADIENT TOWARD PERMAVOID DIFFUSER OUTLET

ATTENUATION TANK 4
AREA 73.600m²
DEPTH 1.320m
BASE CRATE LEVEL 54.885m
TOP CRATE LEVEL 56.205m
STORMBLOC SX CRATES OR SIMILAR APPROVED

FLOW CONTROL
DISCHARGE RATE 8.2 l/s

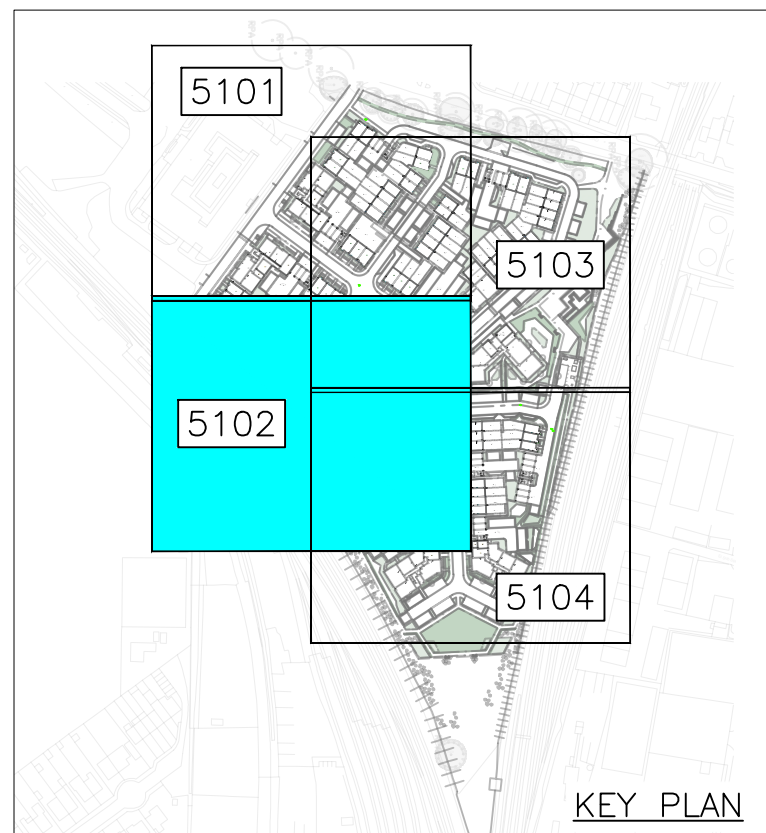
PERMEABLE PAVING 6
AREA 306.400m²
MIN. DEPTH 0.600m
30% VOID MATERIAL SUBBASE
LAID AT 1:1000 GRADIENT TOWARD PERMAVOID DIFFUSER OUTLET

ATTENUATION TANK 6
AREA 135.000m²
DEPTH 1.050m
BASE CRATE LEVEL 55.185m
TOP CRATE LEVEL 56.235m
POLYSTORM XTRA CRATES OR SIMILAR APPROVED

- 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



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 2.

Scale	Paper size	Date	Drawn by	Checked by	Status
1:250	A1	DEC 2024	TA	CH	S3
Name	Project code	Original	Functional	Spatial	Form
17100	-AAL-XX-XX-D-C-5102-P08				