ARCH ASSOCIATES

APPENDIX 1

REVISED DRAINAGE DRAWINGS

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

ATTENUATION TANK 3
AREA 229.120m²
DEPTH 1.470m
BASE CRATE LEVEL 54.715m
TOP CRATE LEVEL 56.185m
STORMBLOC SX CRATES
OR SIMILAR APPROVED
STORAGE PROVIDED 319.966m³

PERMEABLE PAVING 1
AREA 269.900m²
MIN. DEPTH 0.950m
30% VOID MATERIAL SUBBASE
LAID FLAT
STORAGE PROVIDED 76.922m³

PERMEABLE PAVING 2
AREA 266.770m²
MIN. DEPTH 1.000m
30% VOID MATERIAL SUBBASE
LAID FLAT
STORAGE PROVIDED 80.031m³

PERMEABLE PAVING 4
AREA 398.000m²
MIN. DEPTH 0.800m
30% VOID MATERIAL SUBBASE
LAID FLAT
STORAGE PROVIDED 95.520m³

FLOW CONTROL
DISCHARGE RATE 7 l/s

FINAL CONNECTION TO BE CONSTRUCTED OF VITRIFIED CLAY

Scale 1:250
0m 10.0 20.0

NOTES

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GENERAL NOTES

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3. 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.
4. THE MAIN CONTRACTOR SHALL BE RESPONSIBLE FOR THE SETTING OUT AND ACCURACY OF ALL DIMENSIONS.
5. 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.
6. 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.
7. 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

1. 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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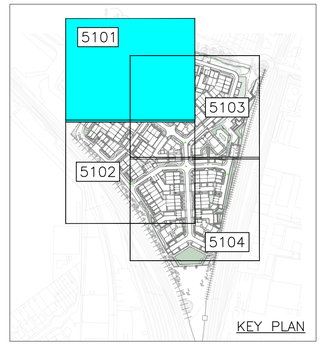

Rev.	Date	Description	By
P12	30.10.2026	LLFA COMMENTS ADDRESSED	TA
P11	12.10.2026	LLFA COMMENT ADDRESSED	TA
P10	31.07.2026	STAGE 4 DESIGN	TA

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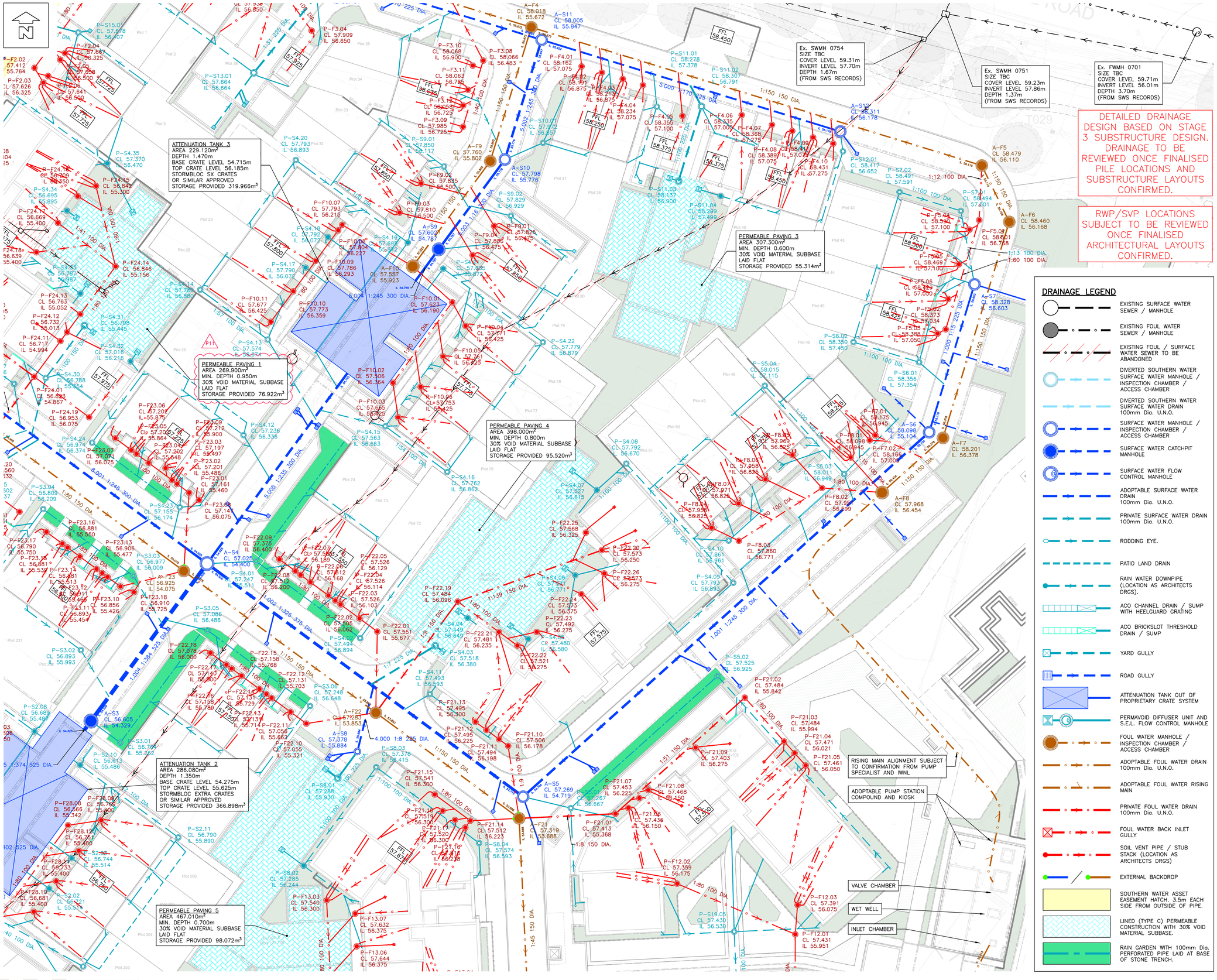
Client: LOVELL
Client project code: DS0411
Architect: HGP ARCHITECTS
Project title: PHASE 3, NOVARTIS SITE, HORSHAM, WEST SUSSEX.
Drawing title: DRAINAGE, SHEET 1.

Scale	Paper size	Date	Drawn by	Checked by	Status
1:250	A1	DEC 2024	TA	CH	S3

Name
Project code | Originator | Functional breakdown | Spatial breakdown | Form | Discipline | Number | Revision
17100 - AAL - XX - XX - D - C - 5101 - P12



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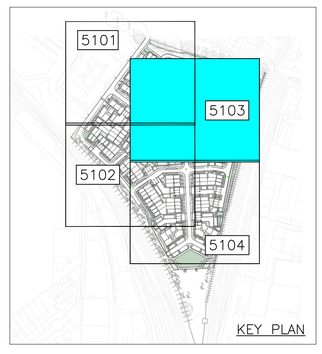

Rev.	Date	Description	By
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P10	12.10.2026	LLFA COMMENT ADDRESSED	TA
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Client project code: DS0411
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Project title: PHASE 3, NOVARTIS SITE, HORSHAM, WEST SUSSEX.
Drawing title: DRAINAGE, SHEET 3.

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17100 - AAL - XX - XX - D - C - 5103 - P11