






elliottwood

**22 Kemplay Road,
Hampstead Village, NW3 1SY**

Flood Risk Assessment

engineering a better society

		Remarks:	Issued for Planning				
Revision:	P1	Prepared by:	Harry Hunter BEng (Hons)	Checked by:	Keri Trimmer BEng (Hons) MSc CEng MICE	Approved by:	Keri Trimmer BEng (Hons) MSc CEng MICE
Date:	18/11/2022	Signature:		Signature:		Signature:	

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One

Executive Summary

The proposed development is located at 22 Kemplay Road, Hampstead Village, NW3 1SY in the London Borough of Camden.

Flood zone information published by GOV.uk shows that the development is located within Flood Zone 1, and is therefore at very low risk of fluvial flooding. However, it is located in a critical drainage area.

A review of all other potential sources of flooding has found the site to be at low risk, providing a suitable drainage scheme is in place.

This report demonstrates that the proposed development has a low probability of flooding. It is considered that the information provided within this report satisfies the requirements of the National Planning Policy Framework, London Plan and local policy.

Two

Introduction

Elliott Wood Partnership Ltd have been appointed to produce a Flood Risk Assessment in support of the proposed redevelopment of 22 Kemplay Road.

The Site is located within the London Borough of Camden (LBC) who are also the Lead Local Flood Authority (LLFA).

This FRA will assess the risk of flooding to the site and review the impact the proposed development will have with regards to flood risk to surrounding properties. This is in line with the requirements of the National Planning Policy Framework (NPPF).

The Flood Risk Mechanisms being considered as part of this Flood Risk Assessment (FRA) are as follows:

- Rivers and Sea
- Overland Flow
- Flooding from Artificial Waterbodies
- Infrastructure Failure / Sewer Flooding
- Groundwater

Three

Site Context

3.1 Site Location

The site is located in Hampstead Town within the London Borough of Camden. The site is bounded by Kemplay Road to the south and private residential developments to the north, east and west. The closest stations to the site are Hampstead Underground Station, which is approximately 375m to the west and Hampstead Heath Overground Station which is located 520m to the east. The site is located within the Hampstead Conservation Area.

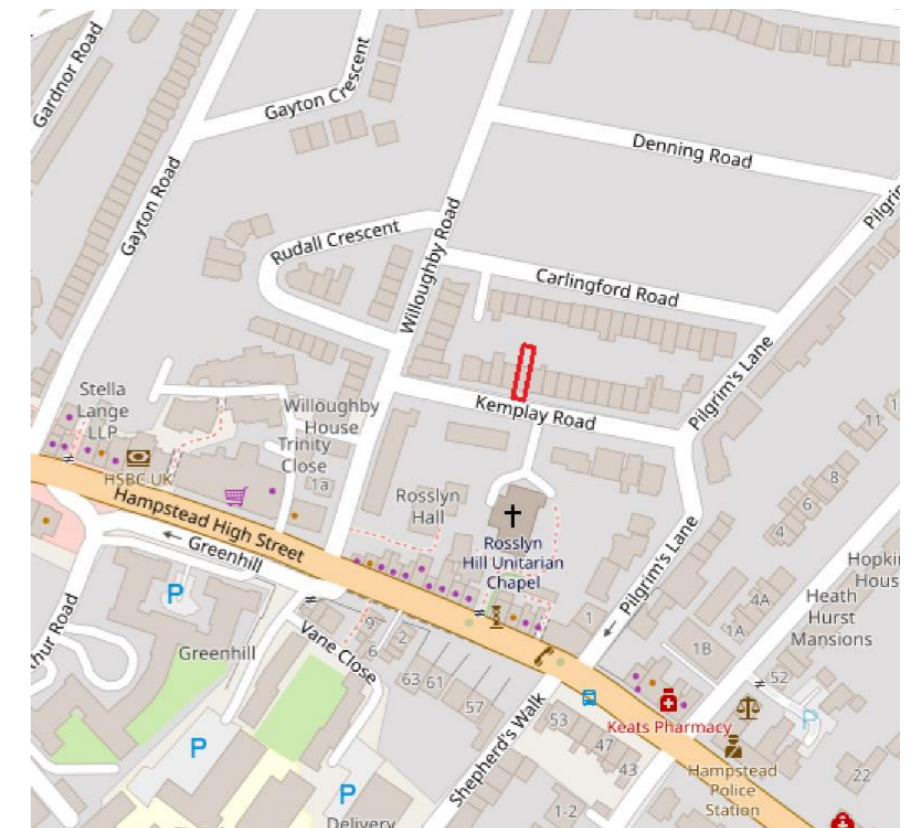


Figure 1: Site Location Plan

The site centred OS grid reference is 526761E: 185703N and the total site boundary is approximately 145m² (0.015ha).

3.2 Existing Development

The building is a two-storey high terraced residential building, oriented east to west. The site includes a paved front courtyard and a landscaped rear garden.

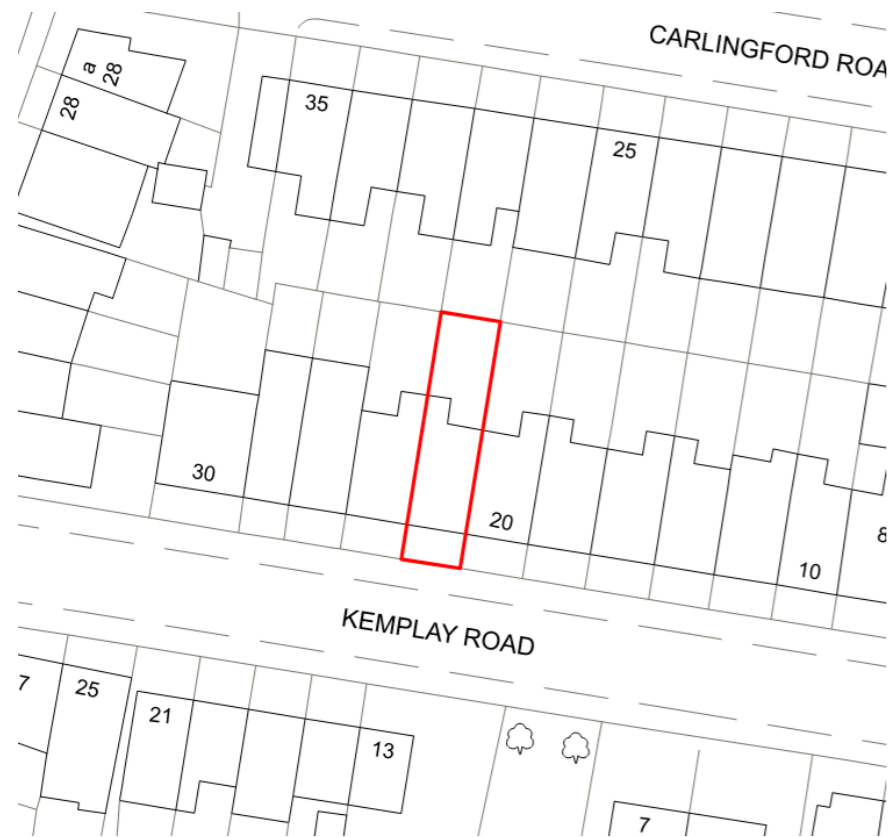


Figure 2: Existing Site Plan

3.3 Topography

A Measured Building Survey was undertaken by SDP Surveys in June 2022. External levels show that the site is largely flat with levels at lower ground floor between 88.00 and 88.20m AOD. Levels within the rear garden rise to the north from 88.20m at the rear terrace to 89.95m AOD on the rear boundary.

The measured building survey can be found in Appendix A.

3.4 Proposed Development

It is proposed that the site will undergo an internal and external refurbishment with a new infill extension at lower ground floor being added to the building with an external terrace over to provide approximately 17m² additional floor area in total. In addition to the above, it is proposed to relandscape the rear garden, removing existing retaining features in place of natural sloped soft landscaping with a set of pavours rising to the north to match existing levels on the boundary.

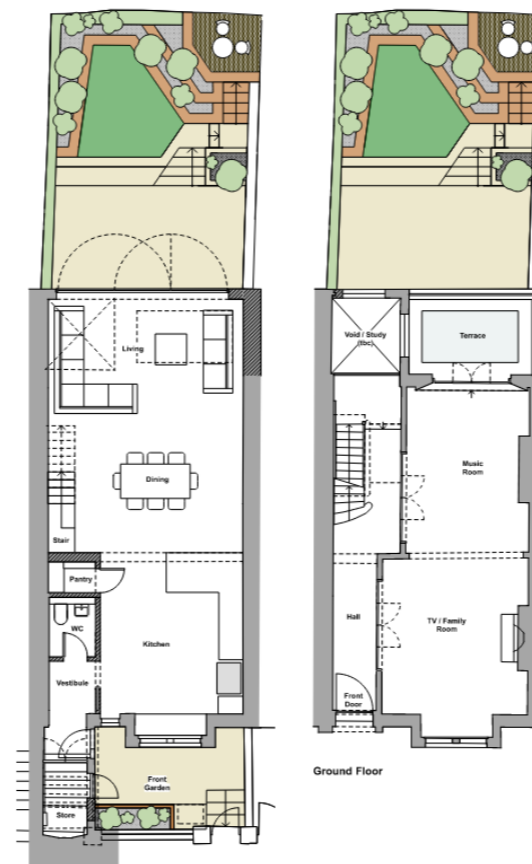


Figure 3: Proposed Redevelopment

The proposed masterplan for the development can be found in full within Appendix B.

Four

Planning and Flood Risk Policy

4.1 Policy Summary

The following documents have been reviewed in preparation of this flood risk assessment:

- London Borough of Camden Strategic Flood Risk Assessment (SFRA) 2014
- London Borough of Camden Surface Water Management Plan (SWMP) 2011
- The London Plan 2021
- GOV.uk flood risk maps

4.2 Sequential and Exception Test

The aim of the Sequential Test is to steer new development to areas with the lowest probability of flooding. While developments in Flood Zone 1 don't typically require a site-specific flood risk assessment, the site is contained within the Critical Drainage Area (CDA) Group3_010.

In accordance with Table 2: Flood risk vulnerability classification of the Planning Practice Guidance: Flood Risk and Coastal Change, the proposed development is classified as "more vulnerable" as it is a residential development.

In accordance with Table 2 of the Planning Practice Guidance: Flood Risk and Coastal Change, the sequential test is passed, as the exception test is **not** required for "more vulnerable" developments within Flood Zone 1.

Five

Flood Risk Assessment

It is important to assess the flood risk posed to the development of this Site from all sources of flooding, in accordance with National Planning Policy Framework (NPPF) requirements.

The flood risk mechanisms being considered as part of this Flood Risk Assessment (FRA) are as follows:

- Fluvial and tidal sources;
- Surface water;
- Groundwater;
- Flooding from Artificial Waterbodies; and
- Sewer and Infrastructure Failure

5.1 Flooding from Fluvial and Tidal Sources

In accordance with the GOV.uk flood maps for planning, the Site is in Flood Zone 1 - land and property assessed as having less than a 0.1% (1 in 1,000) annual probability of river or sea flooding in any given year.

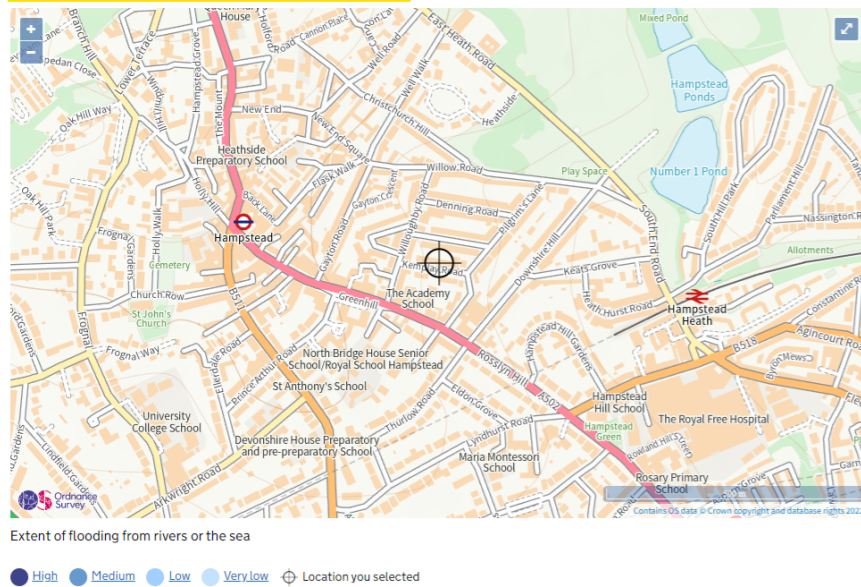


Figure 4: GOV.UK Flood Map for Planning – Flood risk from rivers or the sea
Therefore, the risk of the development flooding from rivers and sea is **very low**.

5.1.1 Critical Drainage Area

A critical drainage area is defined by the London borough of Camden's Strategic Flood Risk Assessment as "A discrete geographic area (usually a hydrological catchment) where multiple and interlinked sources of flood risk (surface water, groundwater, sewer, main river and/or tidal) cause flooding in one or more Local Flood Risk Zones during severe weather thereby affecting people, property or local infrastructure."

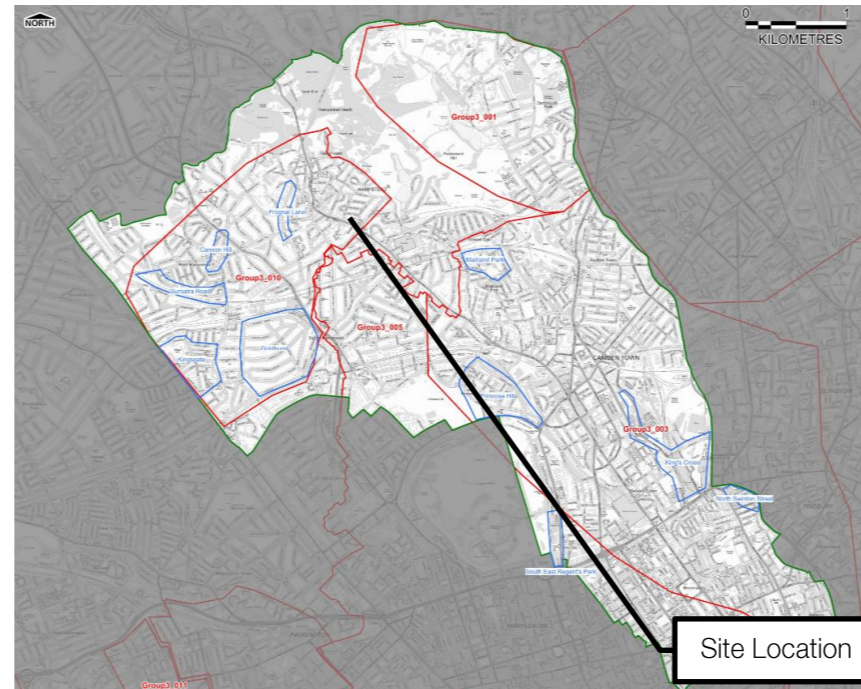


Figure 5: London Borough of Camden SFRA – Critical Drainage Area
The site resides within the catchment of critical drainage area Group3_010.

5.2 Flooding from Surface Water

Surface water flooding occurs when intense rainfall is unable to soak into the ground or enter drainage systems, because of blockages, or breakages in water pipes or where the drainage capacity has been exceeded. The extent of surface water flooding will depend upon the rainfall event, the degree of saturation of the soil, the permeability of soils and the topography of the site.

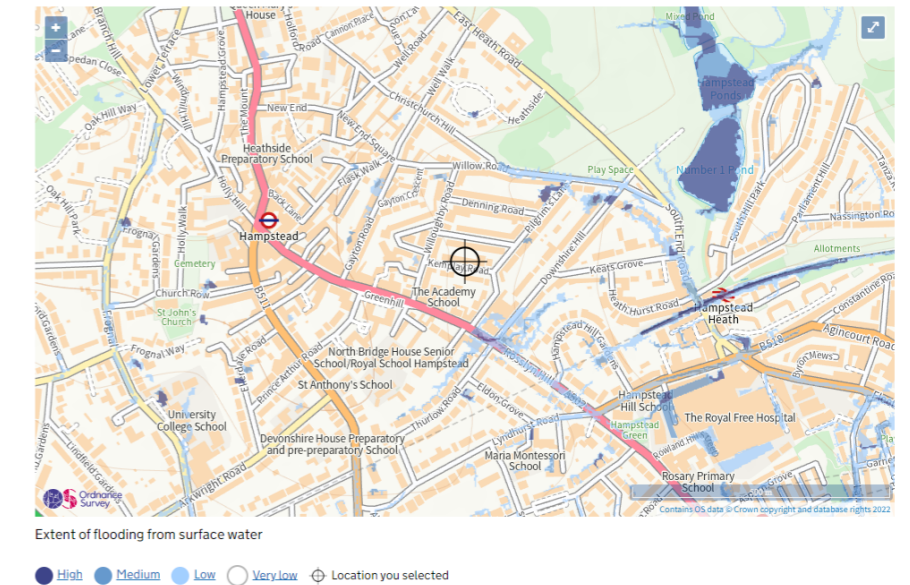


Figure 6: GOV.UK Flood Map for Planning – Flood risk from surface water
A review of the GOV.uk flood risk from surface water map indicates that the site is at 'very low' risk of surface water flooding.

Levels on site will be designed to route surface water away from building edges and thresholds. This will increase the buildings resilience to flooding from overland flow.

After review of the relevant information, the risk of flooding from overland surface water flow is considered to be **very low**.

5.3 Flooding from Groundwater

Groundwater flooding can occur following an extended prolonged period of low intensity rainfall. The future risk from this source is more uncertain than surface water as the climate change predictions indicate that although sea levels will rise, thus possibly raising groundwater levels, overall summer rainfall will decrease, therefore having a long-term effect of lowering the groundwater levels. However, long periods of wet weather are predicted to increase, and these are the type of weather patterns that can cause groundwater flooding to occur.

A review of the BGS maps show the site straddles the boundary between an area of Claygate member and an area of London Clay member with no superficial deposits recorded. There are a number of historical boreholes near the site. The boreholes indicate layers of made ground over London clay which is over Thanet sand and chalk.

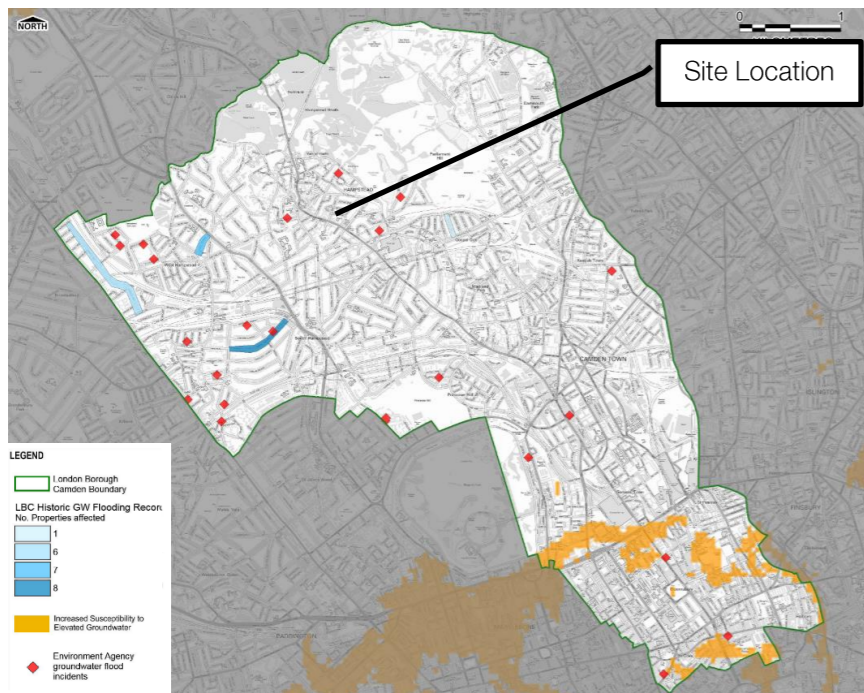


Figure 7: London Borough of Camden SFRA – Increased Potential for Elevated Groundwater

As can be seen in Figure 7, the site is located outside of an area of increased potential for elevated groundwater and therefore is not at an elevated risk of groundwater flooding.

The risk of flooding from groundwater is therefore considered to be **low**.

5.4 Flooding from Artificial Water Bodies

Review of the GOV.uk flood risk from reservoirs map indicates that the site is not located within a reservoir Flood Risk Zone (an area expected to flood if a local reservoir were to fail or be breached).



Figure 8: GOV.UK Flood Map for Planning – Flood risk from reservoirs

Following review of the relevant information, the risk of flooding from artificial water bodies is considered to be **low**.

5.5 Flooding from Infrastructure / Sewer Failure

Public sewer records have been obtained from Thames Water. The records show a 305mm diameter combined sewer located within Kemplay Road headed eastwards towards Pilgrims Lane.

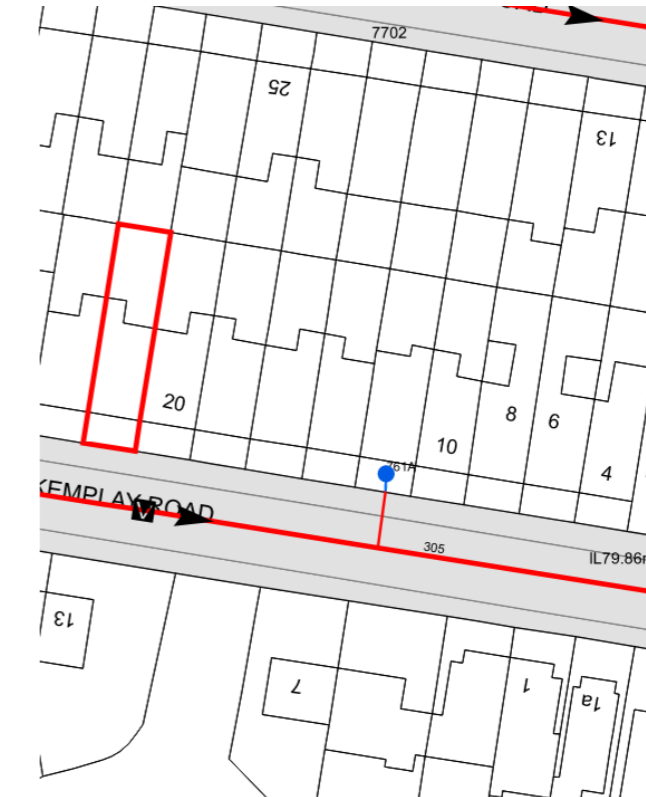


Figure 9: Thames Water – Sewer Records

Thames Water are responsible for operating and maintaining their sewer infrastructure, therefore the likelihood of surcharge due to blockages is expected to be low.

According to Camden's internal sewer flooding and external sewer flooding maps there have been 4 and 1 incidents respectively of recorded flooding from sewers in the postcode area of NW3 1.

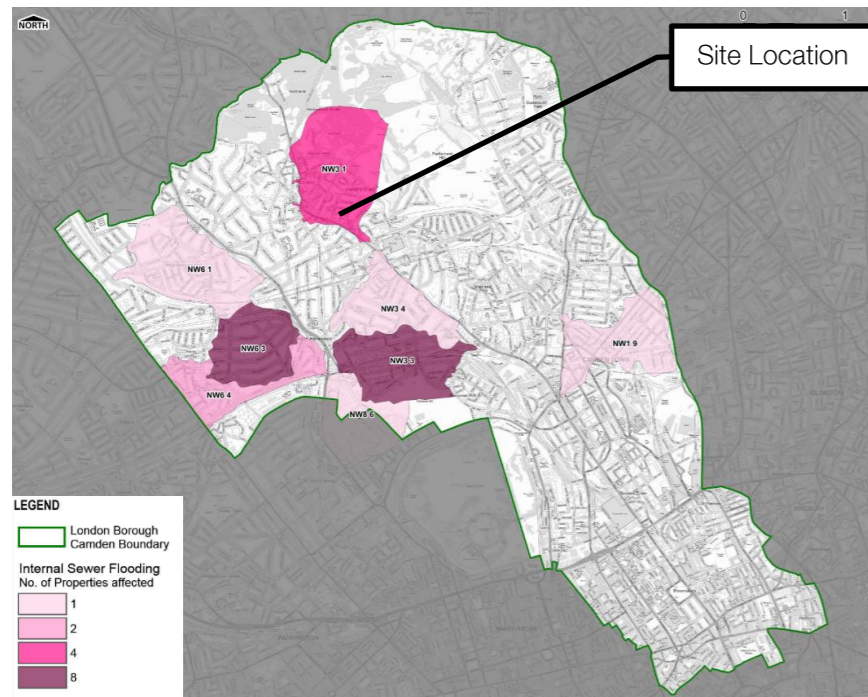


Figure 10: London Borough of Camden SFRA – Internal Sewer Flooding

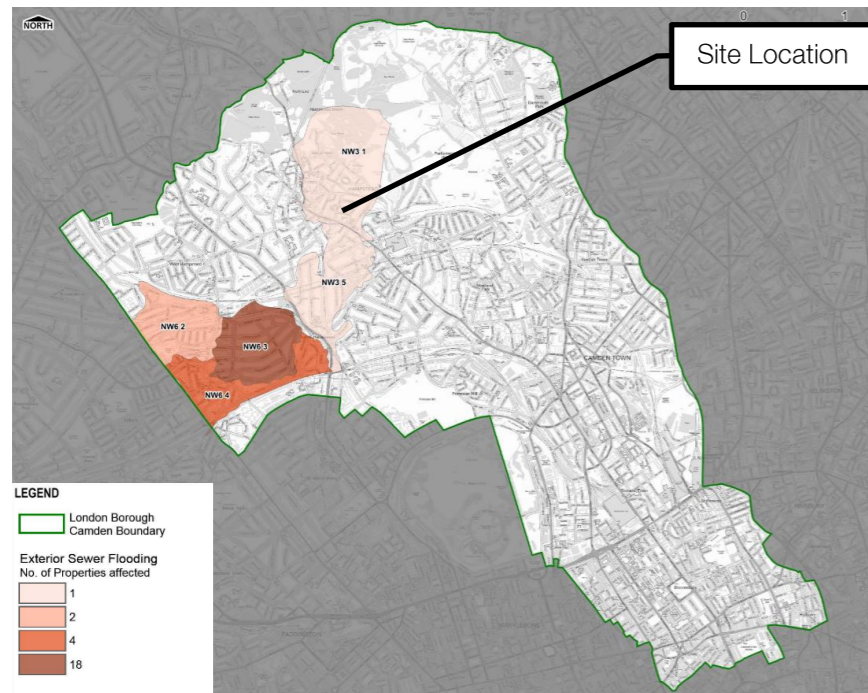


Figure 11: London Borough of Camden SFRA – External Sewer Flooding

As a result, the risk of flooding from infrastructure and sewer failure is considered to be **low**.

Six Conclusion

A review of all potential sources of flooding has found the site be at low risk of flooding. The new proposed drainage network should ensure that the building remains safe from flooding in the event of a localised drainage failure. In addition, levels across the site should ensure that surface water is directed away from building thresholds.

Refer to **Appendix C** for the London Borough of Camden Flood Risk proforma.

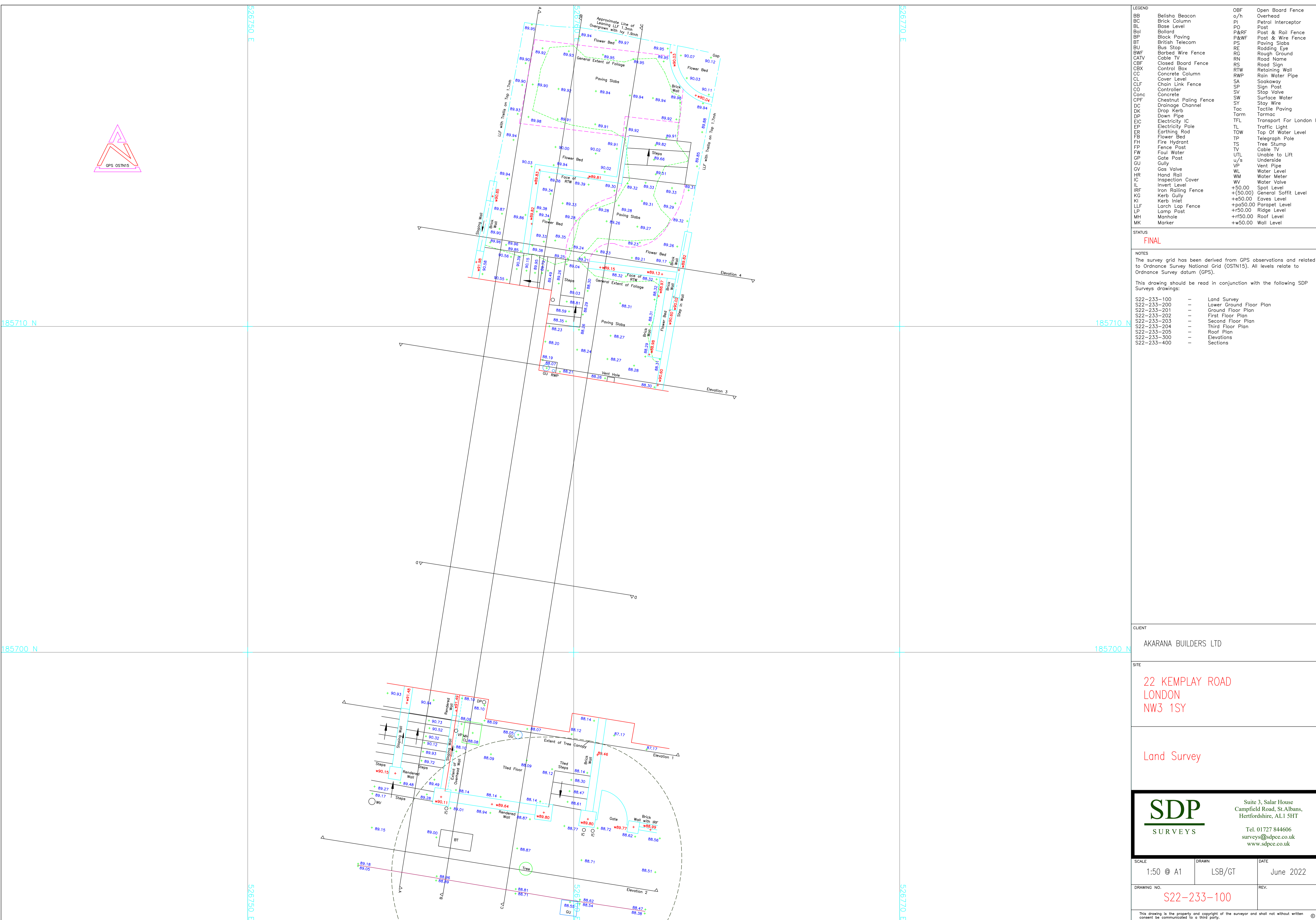


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Appendices

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A Topographical Survey



LEGEND			
BB	Belisha Beacon	OBF	Open Board Fence
BC	Brick Column	a/h	Overhead
BL	Base Level	PI	Petrol Interceptor
BS	Ballard	PO	Post
BP	Block Paving	P&RF	Post & Rail Fence
BT	British Telecom	P&WF	Post & Wire Fence
BU	Bus Stop	PS	Paving Slabs
BWF	Barbed Wire Fence	RE	Rodding Eye
CATV	Cable TV	RG	Rough Ground
CBF	Closed Board Fence	RN	Road Name
CBX	Control Box	RS	Road Sign
CC	Concrete Column	RTW	Retaining Wall
CL	Cover Level	RWP	Rain Water Pipe
CLF	Chain Link Fence	SA	Soakaway
CD	Controller	SP	Sign Post
Conc	Concrete	SV	Stop Valve
CPF	Chestnut Paling Fence	SW	Surface Water
DC	Drainage Channel	SY	Stay Wire
DK	Drop Kerb	Tac	Tactile Paving
DP	Down Pipe	Tarm	Tarmac
EIC	Electricity IC	TFL	Transport For London IC
EP	Electricity Pole	TL	Traffic Light
ER	Earthing Rod	TL	Top Of Water Level
FB	Flower Bed	TP	Telegraph Pole
FH	Fire Hydrant	TS	Tree Stump
FP	Fence Post	TV	Cable TV
FW	Foul Water	UTL	Unable to Lift
GP	Gate Post	u/s	Underside
GU	Gully	VP	Vent Pipe
GV	Gas Valve	WL	Water Level
HR	Hand Rail	WM	Water Meter
IC	Inspection Cover	WV	Water Valve
IL	Invert Level	+50.00	Spot Level
IRF	Iron Railing Fence	+(50.00)	General Soffit Level
KG	Kerb Gully	+e50.00	Eaves Level
KI	Kerb Inlet	+pa50.00	Parapet Level
LLF	Larch Lap Fence	+r50.00	Ridge Level
LP	Lamp Post	+r150.00	Roof Level
MH	Manhole	+w50.00	Wall Level
MK	Marker		

STATUS
FINAL

NOTES
The survey grid has been derived from GPS observations and related to Ordnance Survey National Grid (OSTN15). All levels relate to Ordnance Survey datum (GPS).

This drawing should be read in conjunction with the following SDP Surveys drawings:

S22-233-100	--	Land Survey
S22-233-200	--	Lower Ground Floor Plan
S22-233-201	--	Ground Floor Plan
S22-233-202	--	First Floor Plan
S22-233-203	--	Second Floor Plan
S22-233-204	--	Third Floor Plan
S22-233-205	--	Roof Plan
S22-233-300	--	Elevations
S22-233-400	--	Sections

CLIENT
AKARANA BUILDERS LTD

SITE
**22 KEMPLAY ROAD
LONDON
NW3 1SY**

Land Survey

SDP

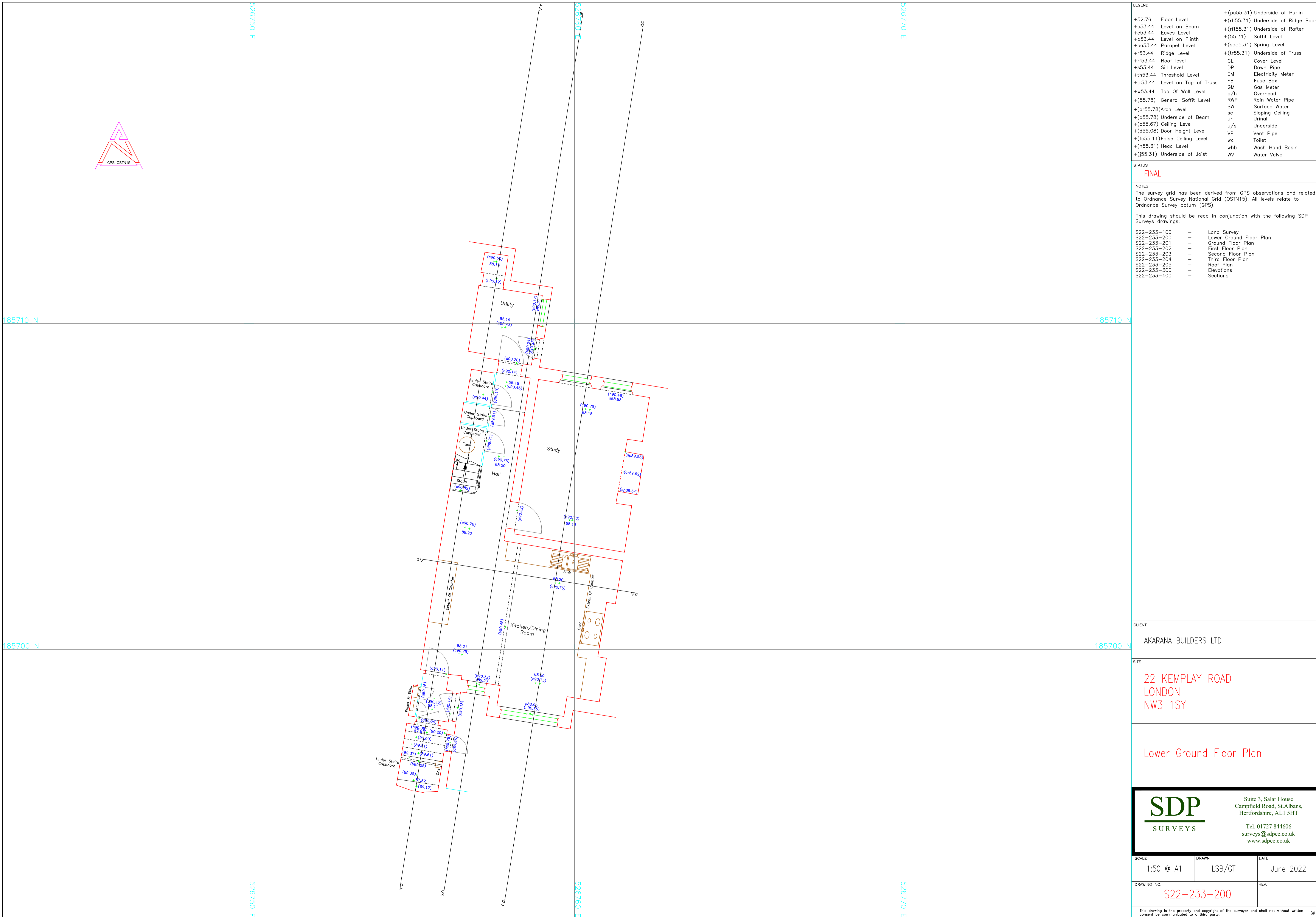
SURVEYS

Suite 3, Salar House
Campfield Road, St.Albans,
Hertfordshire, AL1 5HT
Tel. 01727 844606
surveys@sdpce.co.uk
www.sdpce.co.uk

SCALE 1:50 @ A1	DRAWN LSB/GT	DATE June 2022
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DRAWING NO. S22-233-100	REV.
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LEGEND			
+52.76	Floor Level	+ (pu55.31)	Underside of Purlin
+b53.44	Level on Beam	+ (rb55.31)	Underside of Ridge Board
+e53.44	Eaves Level	+ (rt55.31)	Underside of Rafter
+p53.44	Level on Plinth	+ (s5.31)	Soffit Level
+pa53.44	Parapet Level	+ (sp55.31)	Spring Level
+r53.44	Ridge Level	+ (tr55.31)	Underside of Truss
+r53.44	Roof Level	CL	Cover Level
+s53.44	Sill Level	DP	Down Pipe
+th53.44	Threshold Level	EM	Electricity Meter
+tr53.44	Level on Top of Truss	FB	Fuse Box
+w53.44	Top Of Wall Level	GM	Gas Meter
+ (55.78)	General Soffit Level	o/h	Overhead
+ (ar55.78)	Arch Level	RWP	Rain Water Pipe
+ (b55.78)	Underside of Beam	SW	Surface Water
+ (c55.67)	Ceiling Level	sc	Sloping Ceiling
+ (d55.08)	Door Height Level	ur	Urinal
+ (e55.11)	False Ceiling Level	u/s	Underside
+ (f55.11)	False Ceiling Level	VP	Vent Pipe
+ (h55.31)	Head Level	wc	Toilet
+ (j55.31)	Underside of Joist	whb	Wash Hand Basin
		WV	Water Valve

STATUS
FINAL

NOTES
The survey grid has been derived from GPS observations and related to Ordnance Survey National Grid (ODN15). All levels relate to Ordnance Survey datum (GPS).

This drawing should be read in conjunction with the following SDP Surveys drawings:

- S22-233-100 - Land Survey
- S22-233-200 - Lower Ground Floor Plan
- S22-233-201 - Ground Floor Plan
- S22-233-202 - First Floor Plan
- S22-233-203 - Second Floor Plan
- S22-233-204 - Third Floor Plan
- S22-233-205 - Roof Plan
- S22-233-300 - Elevations
- S22-233-400 - Sections

CLIENT
AKARANA BUILDERS LTD

SITE
22 KEMPLAY ROAD
LONDON
NW3 1SY

Lower Ground Floor Plan

SDP
SURVEYS

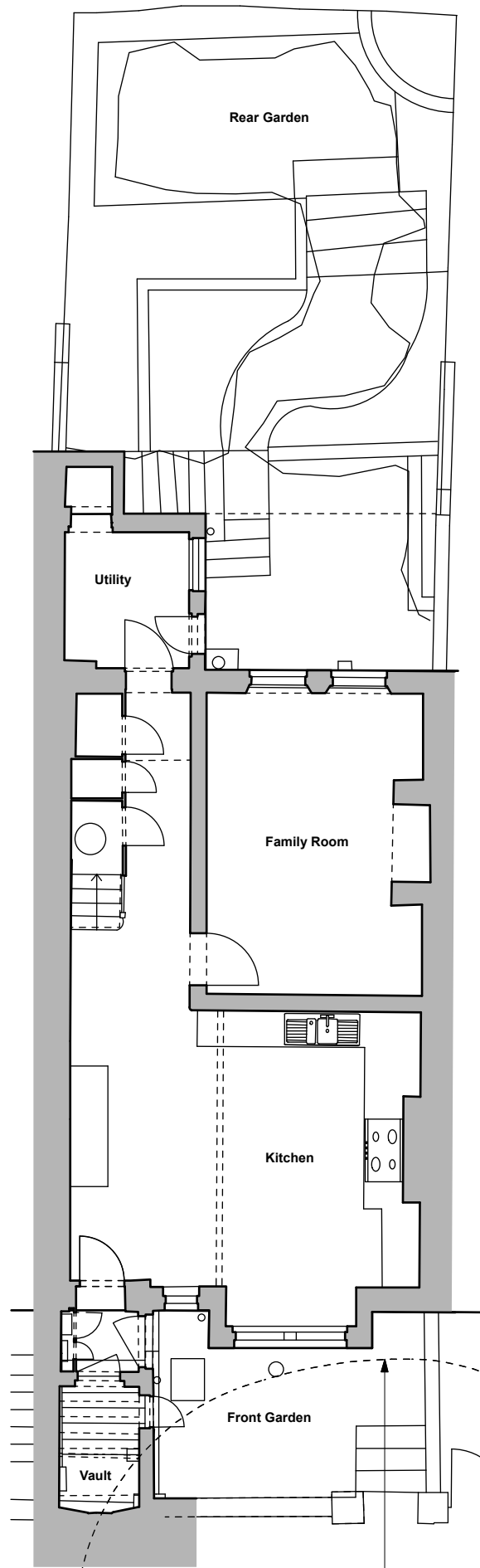
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Campfield Road, St.Albans,
Hertfordshire, AL1 5HT
Tel. 01727 844606
surveys@sdpce.co.uk
www.sdpce.co.uk

SCALE 1:50 @ A1	DRAWN LSB/GT	DATE June 2022
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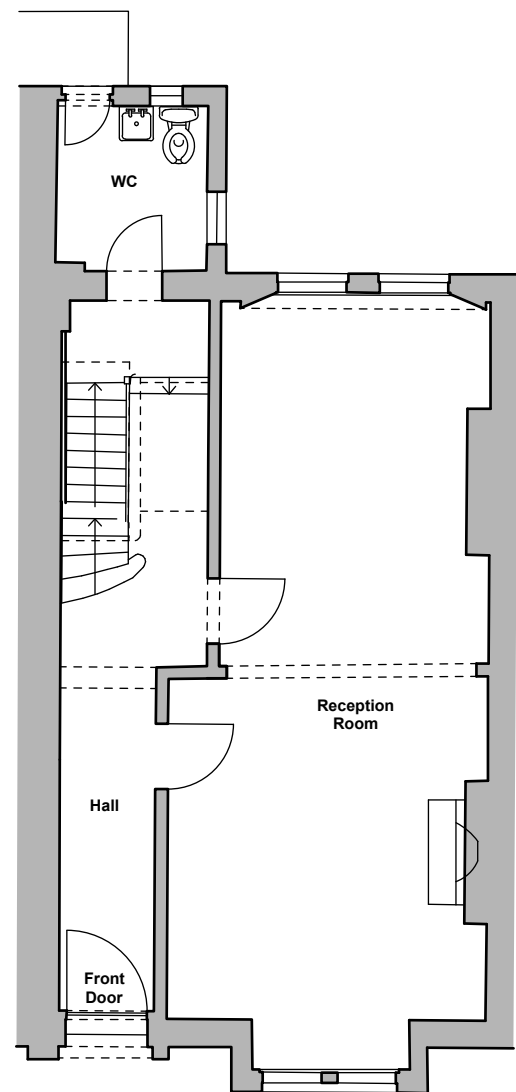
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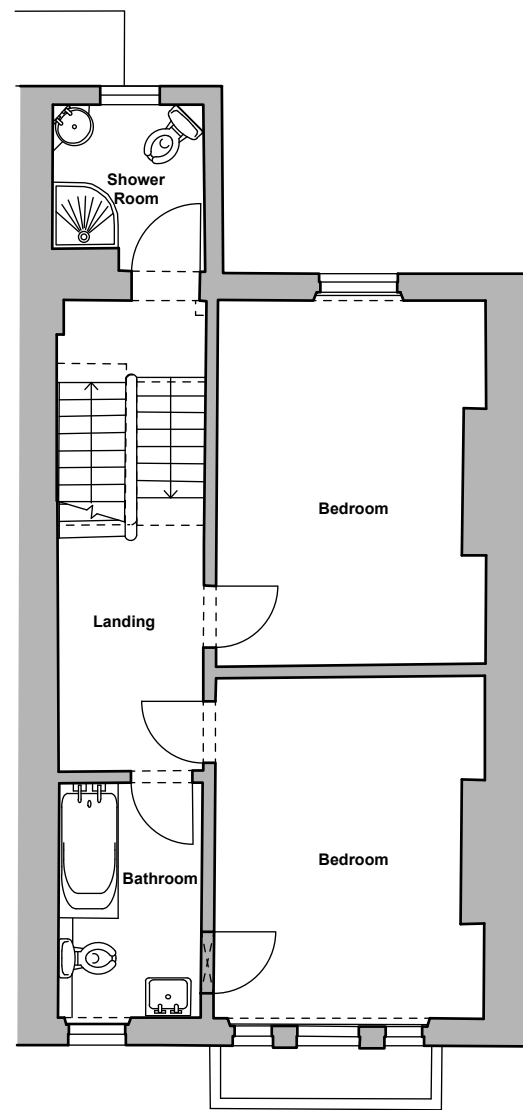
B Proposed Development Drawings



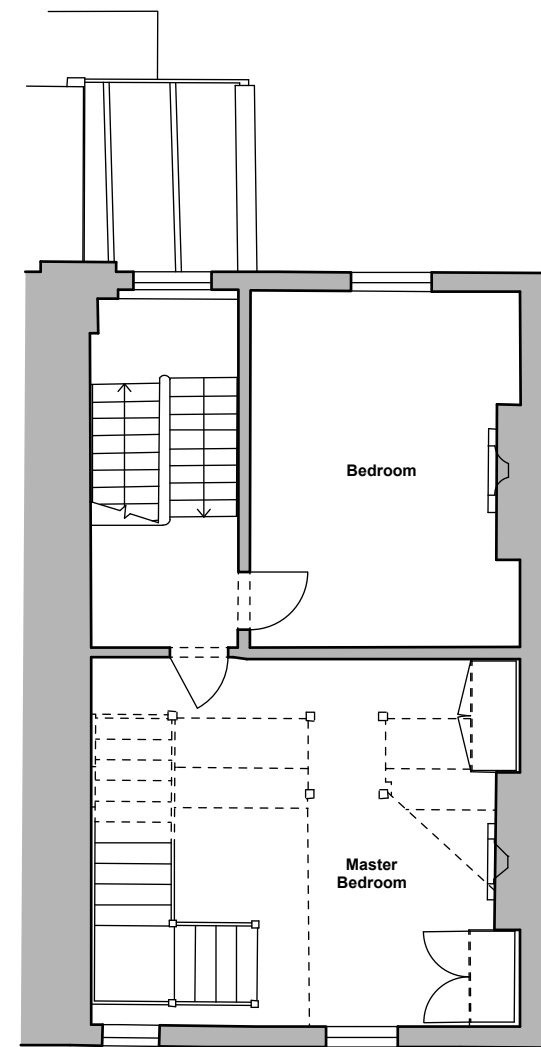
Lower Ground Floor



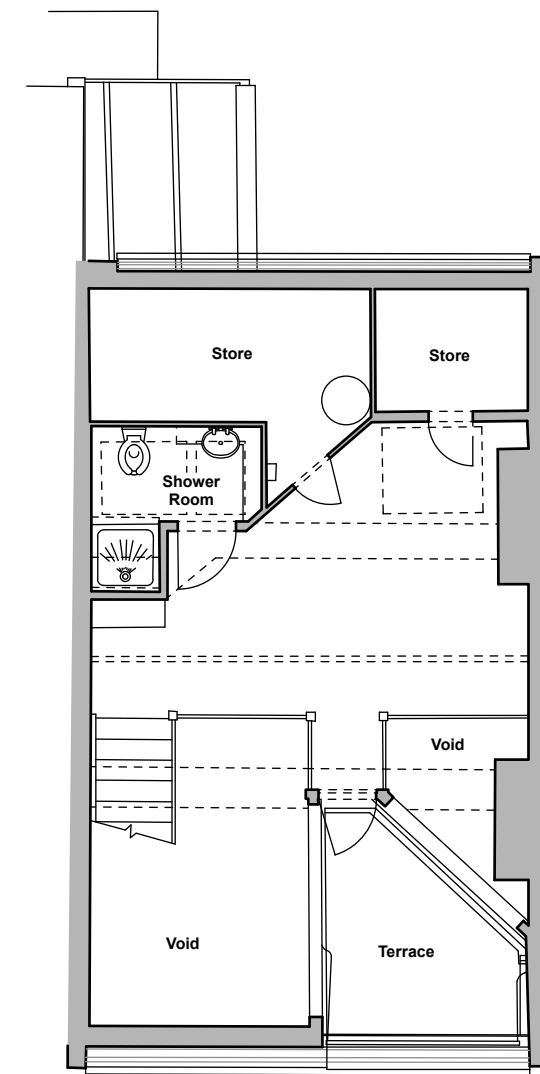
Ground Floor



First Floor



Second Floor



Third Floor

notes

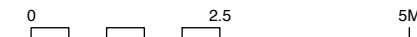
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key

1:100



revision notes

01.

Revisions

revision	date	comment
P1	14.11.22	issued for planning

project
22 Kemplay Road
London, NW3 1SY

drawing
Floor Plans
Existing

scale
1:500@A3

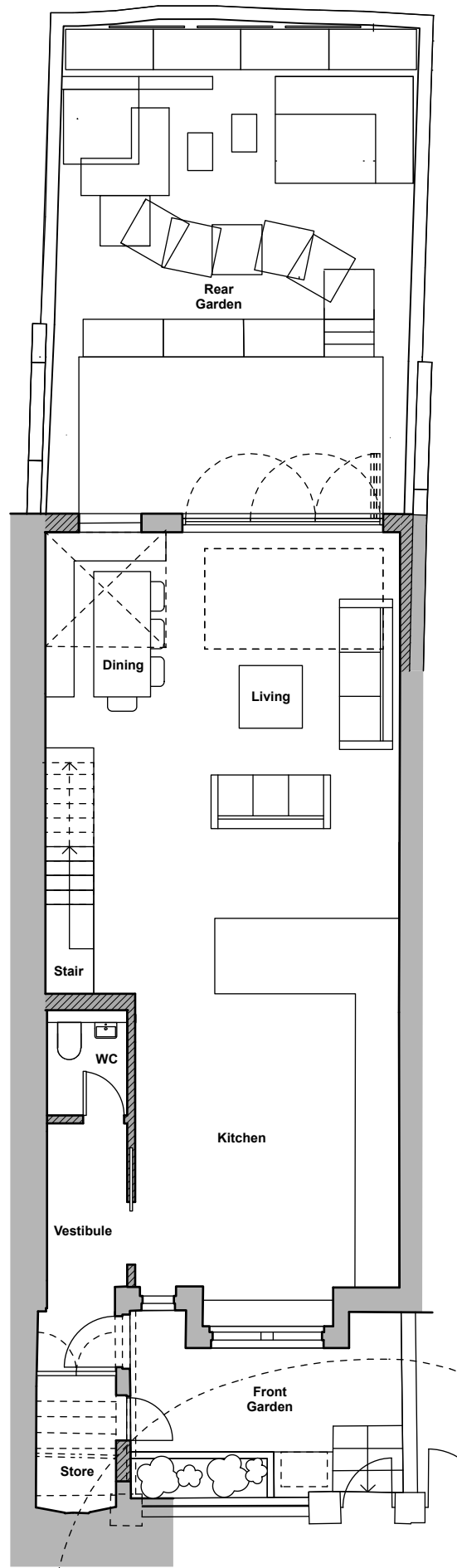
date
14.11.22

job number
067

drawing number
003

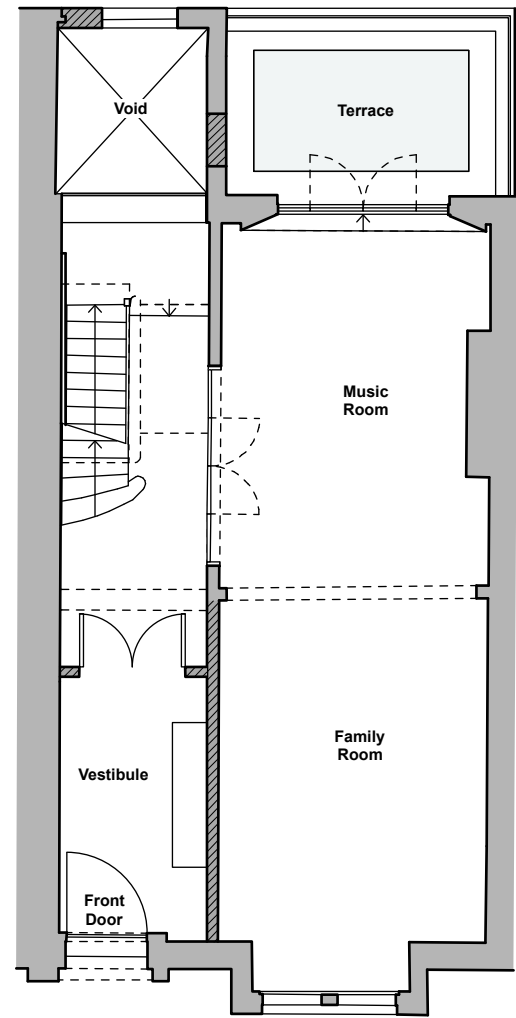
revision
P1

SG
Architecture Ltd.

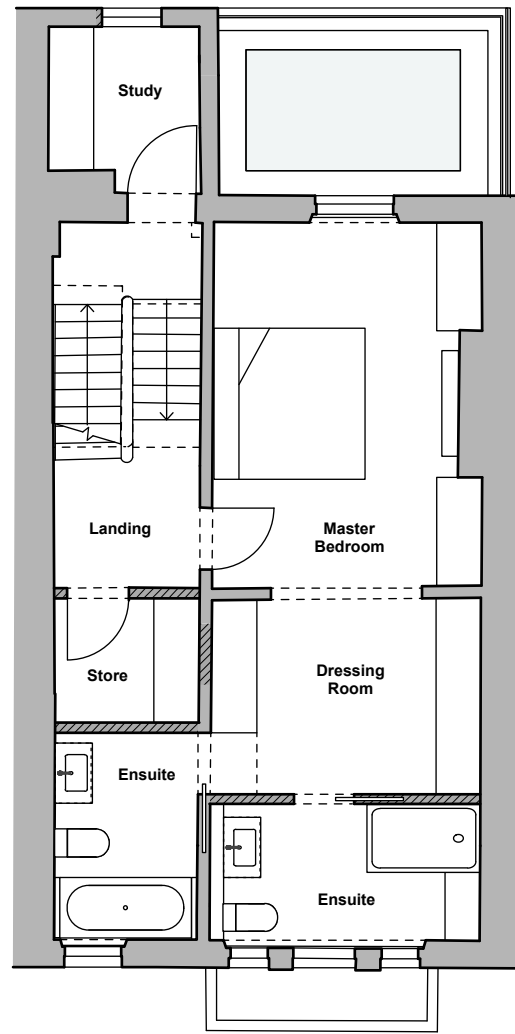


Lower Ground Floor

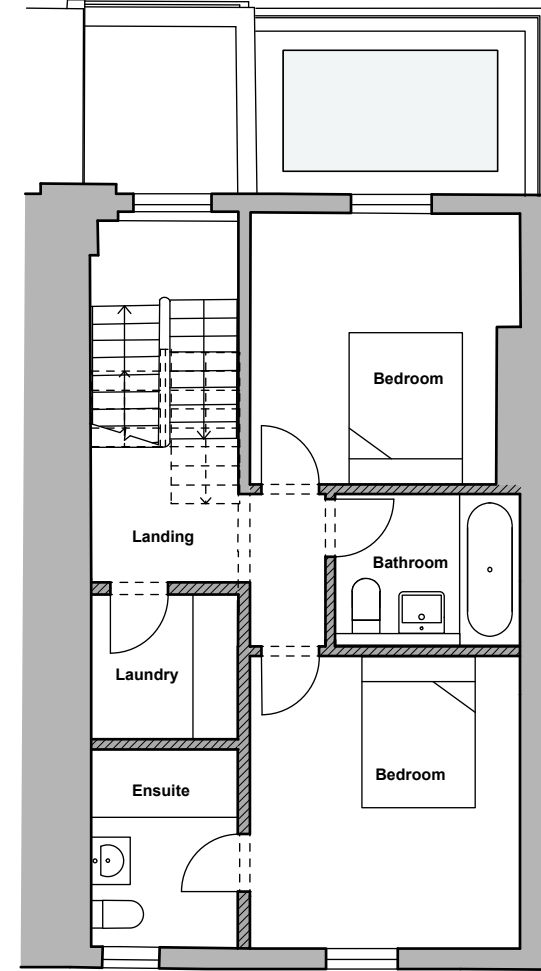
T1 ← existing tree outside property boundary



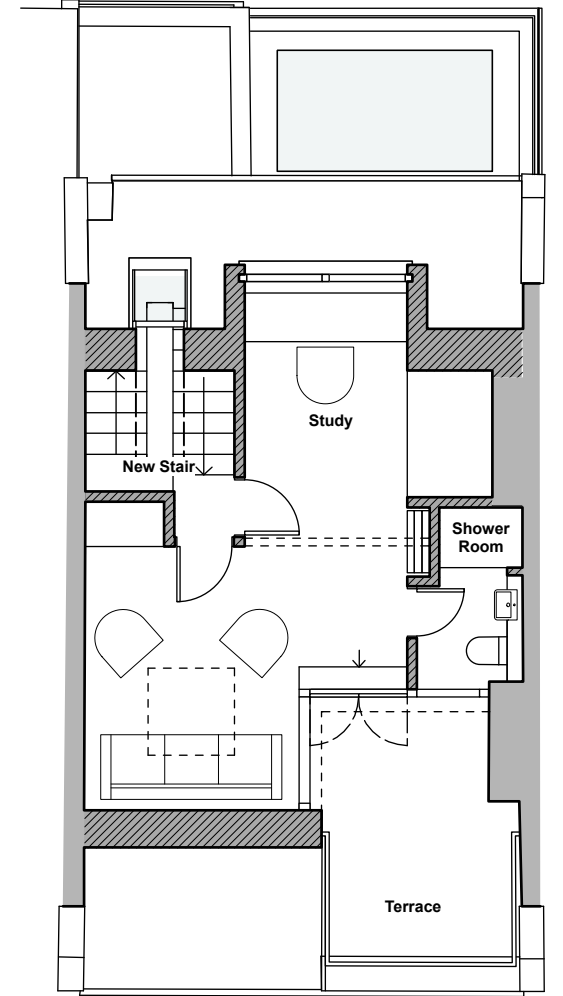
Ground Floor



First Floor



Second Floor



Third Floor

notes

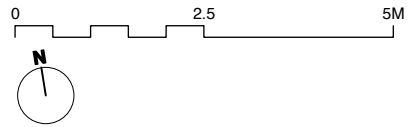
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1:100



revision notes

01.

Revisions

revision	date	comment
P1	14.11.22	issued for planning

project
22 Kemplay Road
London, NW3 1SY

drawing
Site Plan
Existing

scale
1:500@A3

date
14.11.22

job number
067

drawing number
102

revision
P1

SG
Architecture Ltd.

C London Borough of Camden Flood Risk Pro-Forma

Pro-forma for any schemes in flood risk areas & all major development - Camden LLFA

All yellow boxes **must** be completed on this and all relevant tabs

Complete peach cells with source document and section/page references, required to support/justify responses

Do not edit grey cells

Please note guidelines / notes in column M

Complete all relevant tabs

Introduction: This Proforma is intended to help you understand the Sustainable Drainage and Flood Risk considerations that the Lead Local Flood Authority (LLFA) and Local Planning Authority (LPA) will take into account when considering an application in Camden, as well as helping us to consider the application. This does not replace the need also to provide where required a Drainage Statement, Flood Risk Assessment, and GLA-Camden SuDS Pro-forma, and observe the detailed guidance in 'Camden Planning Guidance (CPG) Water & Flooding'. Any information provided should be referenced to the relevant section of submitted supporting documents. This summary page will help provide key details on the application. Note that certain cells on this and other tabs will be populated automatically from previous answers given.

A. Application details

Planning reference (if known)		
Scheme name	22 Kemplay Road	
Scheme address	22 Kemplay Road, Hampstead Village	
Postcode	NW3 1SY	
Scale of development as registered	Major / Minor	
Scale - policy subcategory	Minor - medium	Residential parts Non-residential parts
Type(s) of development	Residential	
Site area, hectares	0.015	100%
Of which total permeable area, to nearest 0.0001 ha	0.0045	30%
Of which total impermeable area, to nearest 0.0001 ha	0.0105	70%

	Existing		Proposed			
	TOTAL pre-development	For demolition	New-build incl. infills, re-build, extensions	Retained (refurbished or change of use)	TOTAL post-development	Net UPLIFT post-development
Total floor area of development (GIA)	285		17	285	302	17
of which residential	285		17	285	302	17
of which non- residential		0	0	0	0	0
Number of residential units						
List all use class(es)						

Drainage Statement document details	2220203-EWP-ZZ-XX-RP-C-0002 P1, EWP, November 2022
Flood Risk Assessment document details	2220203-EWP-ZZ-XX-RP-C-0001 P1, EWP, November 2022

Recommendation (Council to complete)	
Approve/Condition/Refuse	
Approve/Condition/Refuse	
Approve/Condition/Refuse	
Approve/Condition/Refuse	
Approve/Condition/Refuse	
Approve/Condition/Refuse	
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Approve/Condition/Refuse	
Approve/Condition/Refuse	

B. Flood Risk and SuDS - Policy & Documents Filter

Site area 1 hectare or greater?	No	
Major application?	CHECK SITE DETAILS	
In Critical Drainage Area?	Yes / No	
In or bordering (<50m) Local Flood Risk Zone(s)?	Yes / Border / No	
Name of LFRZ(s):	N/A	
On Historically Flooded Street 1975 or 2002?	Yes / Goldhurst Hillfield / No	
Name of HFS(s):		
Area at risk of flooding (surface water)?	CHECK SITE DETAILS	
Elevated groundwater susceptibility or <50m of GW in?	Yes / No	
In area with recorded sewer flooding incident?	Yes / No	
In street with historical underground watercourse?	Yes / No	
Area at risk of flooding (other relevant types)?	CHECK SITE DETAILS	
Basement proposed - new, enlarged or change of use?	Yes / No	
IF YES, list proposed basement uses (all spaces):		
IF YES, are habitable or vulnerable use(s) included?	Yes / No	
IF NO, is other (non-basement) vulnerable development?	Yes / No	
Vulnerable development in flood-prone area?	CHECK SITE DETAILS	
Site-specific Flood Risk Assessment (FRA) required?	CHECK SITE DETAILS	
Site-specific FRA submitted?	Yes	If Yes, go to Flood Risk Proposals tab
Drainage Statement (DS) required?	CHECK SITE DETAILS	
DS submitted?	Yes	If Yes, go to Flood Risk Proposals tab
Sustainable drainage (SuDS) proposals required?	CHECK SITE DETAILS	
SuDS proposals submitted?	Yes	If Yes, go to SuDS Proposals tab
FRA/DS/SuDS supporting evidence required?	CHECK SITE DETAILS	
Supporting evidence submitted?	Yes	If Yes, go to Flood Risk Proposals &/or SuDS Proposals tabs

Flood Risk Assessment, Proposals & Evidence

Recommendation (Council to complete)	Assessments	Required?	Document submitted?	Document title	Page/ section reference	Guidelines / notes
	Site-specific Flood Risk Assessment	CHECK SITE DETAILS	Yes			Policy CC3 c. consider the impact of development in areas at risk of flooding (including drainage) & d. incorporate flood resilient measures in areas prone to flooding; Where an assessment of flood risk is required, developments should consider surface water flooding in detail and groundwater flooding where applicable.
	Drainage Statement	CHECK SITE DETAILS	Yes			Policy CC3 c. consider the impact of development in areas at risk of flooding (including drainage);
	SuDS Proposals tab completed	CHECK SITE DETAILS	Yes			
	SuDS Proposals	CHECK SITE DETAILS	Yes			Policy CC3 b. avoid harm to the water environment and improve water quality & e. utilise Sustainable Drainage Systems (SuDS) in line with the drainage hierarchy to achieve a greenfield run-off rate where feasible
	SuDS Proposals tab completed	CHECK SITE DETAILS	Yes			
Recommendation (Council to complete)	Policy compliance	Required?	Requirement met?	Document title	Page/ section reference	
	Assessments address local, regional & national policies	CHECK SITE DETAILS	Yes			including Local Plan CC3, CPG, new London Plan, National Planning Policy Framework including Strategic Flood Risk Assessment, Update LFRZ Map & EA Mapping
	include suitable research & quantification of site flood risks	CHECK SITE DETAILS	Yes			
	address cumulative impact of developments	CHECK SITE DETAILS	Yes			
	propose suitable flood ingress internal coping measures	CHECK SITE DETAILS	No			
	propose suitable flood risk mitigation measures	CHECK SITE DETAILS	No			Policy CC3 d. incorporate flood resilient measures in areas prone to flooding;
	Internal water consumption target 105 l/p/d (residential)	Yes	By others			Policy CC3 a. incorporate water efficiency measures
	External water consumption target 5 l/p/d (residential)	Yes	By others			Policy CC3 a. incorporate water efficiency measures
	BREEAM Excellent water consumption target (non-resi >500m2)	No	By others			Policy CC3 a. incorporate water efficiency measures
	Will not locate vulnerable development in flood-prone area	CHECK SITE DETAILS	CHECK SITE DETAILS			Policy CC3 I. net locate vulnerable development in flood-prone areas.
	Scheme does not increase flood risk on & off site	CHECK SITE DETAILS	Yes			Policy CC3 The Council will seek to ensure that development does not increase flood risk
	Scheme reduces on&off-site flood risk where possible	CHECK SITE DETAILS	Yes			Policy CC3 The Council will seek to ensure that development...reduces the risk of flooding where possible
Recommendation (Council to complete)	Evidence supporting Assessments & Proposals	Required?	Evidence submitted?	Document title	Page/ section reference	
	Drawings showing site-specific flood risk up to 100yr+40%	CHECK SITE DETAILS	Yes			allowing 300mm freeboard to potential water ingress points
	Drawings showing proposed internal coping measures	CHECK SITE DETAILS	No			
	Drawings showing proposed flood mitigation measures	CHECK SITE DETAILS	No			
	Drawings showing proposed basement/ground floor uses	CHECK SITE DETAILS	Yes			
	Building flood risk emergency evacuation plan	CHECK SITE DETAILS	No			
	Drawings showing on&off-site overland exceedance flows	CHECK SITE DETAILS	No			
	Internal water calculations & proposals (resi)	Yes	No			Policy CC3 a. incorporate water efficiency measures
	External water calculations & proposals (resi)	Yes	No			Policy CC3 a. incorporate water efficiency measures
	BREEAM water calculations & proposals (non-resi >500m2)	No	No			Policy CC3 a. incorporate water efficiency measures

Sustainable Drainage (SuDS) Assessment, Evidence and Proposals

Recommendation (Council to complete)	Assessments	Document submitted?	Document title	Page/ section reference	Guidelines / notes
	Drainage Statement (DS)	Yes			Policy CC3 c. consider the impact of development in areas at risk of flooding (including drainage);
	GLA-Camden SuDS Pro-forma (fully completed)	Yes			Download from www.london.gov.uk/what-we-do/environment/climate-change/surface-
Recommendation (Council to complete)	Policy compliance	Requirement met?	Document title	Page/ section reference	Guidelines / notes
	DS must include identification of flood risk	Yes			Policy CC3 e. utilise Sustainable Drainage Systems (SuDS) in line with the drainage hierarchy to achieve a greenfield run-off rate where feasible & Policy CC3 supporting text §8.67
	DS must include assessment of existing, greenfield & proposed runoff rates	Yes			
	DS must include identification of measures, in line with the drainage hierarchy, to reduce runoff rates	Yes			
	Achieve greenfield runoff rates wherever feasible, or as close as possible	Yes			Policy CC3 e. utilise Sustainable Drainage Systems (SuDS) in line with the drainage hierarchy to achieve a greenfield run-off rate where feasible & Policy CC3 supporting text §8.66
	Constrain runoff volumes to greenfield for 100yr 6hr event where feasible	Yes			
	Backstop target for unaltered buildings: >50% reduction in existing run-off	Yes			
	Developments must include SuDS unless inappropriate	Yes			Policy CC3 e. utilise Sustainable Drainage Systems (SuDS) in line with the drainage hierarchy to achieve a greenfield run-off rate where feasible & Policy CC3 supporting text §8.68
	Development should follow the detailed London Plan drainage hierarchy	Yes			
	EA climate change factor applied: 2080s upper rainfall intensity allowance (40%)	Yes			
Recommendation (Council to complete)	Evidence supporting Assessments & Proposals	Evidence submitted?	Document title	Page/ section reference	
	Drawings detailing SuDS extent & position (incl. outfalls, control points, levels)	Yes			
	Blue-green roof details with area & minimum 150mm substrate for storage	No			
	Results of cross-site infiltration rate or similar tests to show soil (in)compatibility	No			
	Professional run-off calculations supporting rates & volumes reported in DS	Yes			
	Drawings showing on&off-site overland exceedance flows	No			
	Evidence of site surveys and investigations relating to drainage	Yes			
	Lifetime maintenance and adoption arrangements (and maintenance owner)	Yes			
	Management of health & safety risks related to SuDS design	Yes			
	Confirmation of discharge capacity (or correspondence) from relevant body eg TW	No			



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