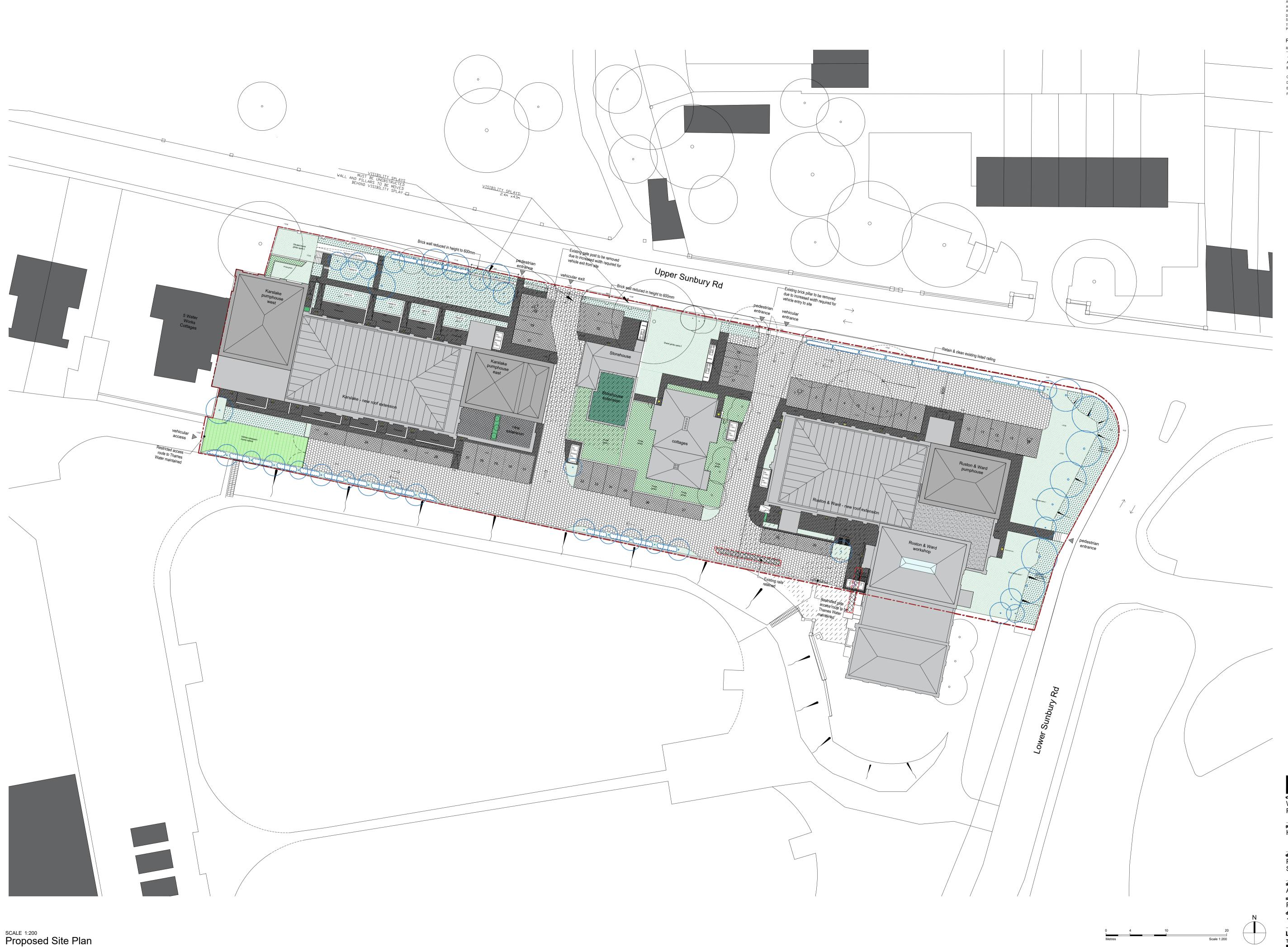


Appendix C

Architects Layout - Proposed Site



USE OF DRAWINGS

DO NOT SCALE FROM THIS DRAWING. USE WRITTEN DIMENSIONS AND CHECK ON SITE. THIS DRAWING IS BASED ON SITE INFORMATION SUPPLIED BY THIRD PARTIES AND ACCURACY OF EXISTING FEATURES IS NOT GUARANTEED.

ANY ERROR, OMISSION OR DISCREPANCY NOTED ON OR BETWEEN DRAWINGS AND OTHER DOCUMENTS MUST BE REPORTED IN WRITING IMMEDIATELY.

ALL MECHANICAL, ELECTRICAL AND STRUCTURAL LAYOUTS / COMPONENTS ARE INDICATIVE AND MUST BE DESIGNED AND CHECKED BY SPECIALISTS.

DO NOT START WORK ON SITE BEFORE CONFIRMING THAT ALL NECESSARY STATUTORY AND OTHER CONSENTS HAVE BEEN OBTAINED.

THIS DRAWING IS COPYRIGHT AND MUST NOT BE DISTRIBUTED WITHOUT PERMISSION. ELECTRONIC CAD FILES MUST NOT BE ALTERED OR COPIED.

 REV ISIONS

 REV
 DATE
 DESCRIPTION

 11.10.2019
 INITIAL ISSUE
 MC
 KW

 A
 04.11.2019
 LEVEL ADJUSTMENTS
 MC
 KW

 B
 04.05.2020
 LEVEL ADJUSTMENTS, ADDITIONAL TREES TO EASTERN BOUNDARY
 SJ
 RH

 C
 06.05.2020
 MAIN VEHICULAR EXIT AMENDED
 SJ
 RH

 D
 15.05.2020
 AMENDMENTS TO TREES AND LANDSCAPING
 SJ
 RH

 E
 27.05.2020
 HABITAT PLANTING SHOWN
 SJ
 RH

 F
 25.07.2022
 DESIGN REVIEW AMENDMENTS
 OC
 JF

NOTE:

- DRAWINGS ARE DESIGN INTENT FOR THE PURPOSE OF PLANNING APPROVAL.

- ALL DRAWINGS ARE SUBJECT TO FURTHER DESIGN DEVELOPMENT AND COORDINATION WITH ENGINEERS INFORMATION.

- ALL EVINITURE AND INTERIOR LAYOUTS ARE INDICATIVE AND SUBJECT TO DETAILED DESIGN.

- EXISTING HERITAGE BRICK AND STONE FAÇADES TO BE CLEANED AND RESTORED

- INTERNAL VOLUMES TO BE STRIPPED OUT, REMOVING 20TH C. WORK AND RESTORING ORIGINAL FABRIC

- INDUSTRIAL HERITAGE DETAILS - TILES, BRICKS, ELECTRICAL SWITCHES, LIFTING CRANES, ETC. - TO BE CLEANED AND RETAINED

- ALL EXISTING ORIGINAL WINDOWS TO BE RETAINED AND RESTORED, WITH NEW HIGH-PERFORMANCE SECONDARY GLAZING INSERTED BEHIND

- ALL EXISTING WINDOWS WHICH ARE NOT ORIGINAL TO THE BUILDING TO BE REPLACED WITH HIGH PERFORMANCE WINDOWS TO MATCH EXISTING DESIGN

Asphalt

Shared surface paving

Pedestrian paving

Car parking bays

Private amenity space

Shared soft landscaping

Children's play area/
shared access surface

Habitat planting

Trees:
Existing & retained

Removed

New location of retained cobbles

Existing cobbles to be retained.

Existing cobbles to be retained.

• New

LOM

WATERFALL
PLANNING LTD

Project
HAMPTON WATERWORKS

drawing title
PROPOSED
SITE PLAN

et size scale
1 1:200 @ A1

status PLANNING

trawing no.
1685-A-P100

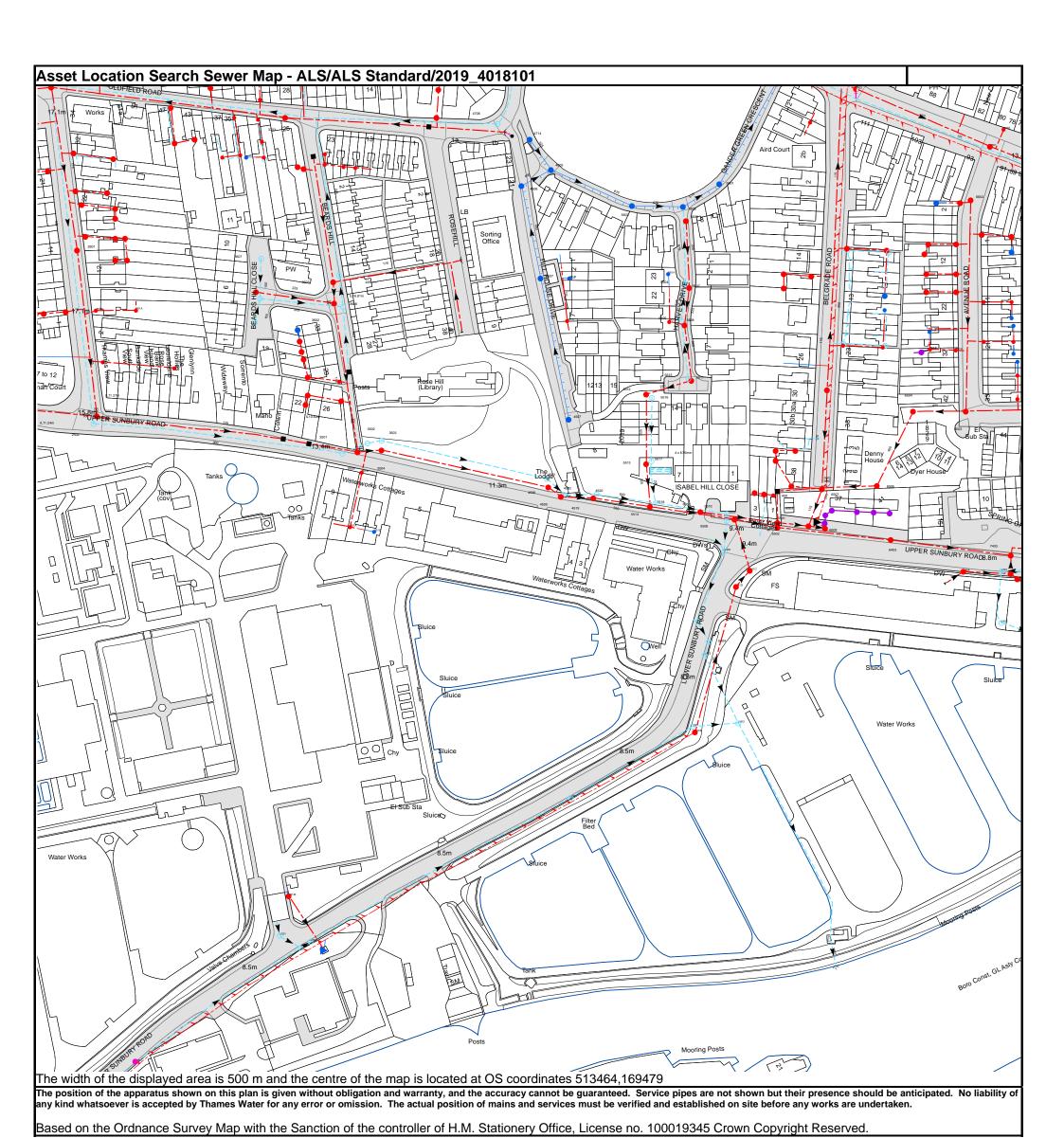
LOM architecture and design

LOM architecture and design
The Glass House 5 Sciater Street London E1 6FY UK
Phone +44(0)20 8444 2999 Email mail@lom-fdp.com
Web www.lom-architecture.com



Appendix D

Sewer Asset Map



 $\underline{\textbf{Thames Water Utilities Ltd}}, \textbf{Property Searches}, \textbf{PO Box 3189}, \textbf{Slough SL1 4W}, \ \ \textbf{DX 151280 Slough 13}$

 $\textbf{T}\ 0845\ 070\ 9148\ \textbf{E}\ \underline{searches@thameswater.co.uk}\ \textbf{I}\ \underline{www.thameswater-propertysearches.co.uk}$

Manhole Reference	Manhole Cover Level	Manhole Invert Level
741B 7405	n/a 8.93	n/a 7.49
6404	8.94	8.27
6401	n/a	n/a
7401	n/a	n/a
7403 6403	9.07 n/a	7.39 n/a
6513	n/a	n/a
6402	n/a	n/a
671A 6709	n/a 14.74	n/a 11.56
6702	14.74	11.21
4708	16.84	14.71
47YZ	n/a	n/a
2704 26WX	n/a n/a	n/a n/a
27ZV	n/a	n/a
26WY	n/a	n/a
27ZP 26ZY	n/a n/a	n/a n/a
27ZQ	n/a	n/a
37XV	n/a	n/a
36ZY	n/a	n/a
37YZ 36ZX	n/a n/a	n/a n/a
36ZT	n/a n/a	n/a n/a
37XR	n/a	n/a
37YP	n/a	n/a
36XS 36ZR	n/a n/a	n/a n/a
36ZQ	n/a	n/a
3703	n/a	n/a
36YX 361A	n/a n/a	n/a n/a
361B	n/a n/a	n/a n/a
361C	n/a	n/a
47YY	n/a	n/a
661A 651B	n/a n/a	n/a n/a
66YY	n/a	n/a
651C	n/a	n/a
66YT 66ZP	n/a n/a	n/a n/a
66YQ	n/a	n/a
66XV	n/a	n/a
6602	13.39	11.82
66XR 66YX	n/a n/a	n/a n/a
65ZY	n/a	n/a
6601	13.56	10.99
771E 76YQ	n/a n/a	n/a n/a
76WS	n/a	n/a
76WV	n/a	n/a
76YR 76YV	n/a	n/a
75YZ	n/a n/a	n/a n/a
75YY	n/a	n/a
76XT	n/a	n/a
261A 251J	n/a n/a	n/a n/a
3605	17.16	n/a
3601	17.13	n/a
3606 3607	17.19 17.21	n/a n/a
36ZP	n/a	n/a
35ZY	n/a	n/a
35ZX	n/a	n/a
36YW 35ZW	n/a n/a	n/a n/a
35ZR	n/a	n/a
35ZQ	n/a	n/a
35ZV 3603	n/a 16.77	n/a 14.33
3602	n/a	n/a
3609	16.74	14.47
35ZT	n/a	n/a
35ZP 3501	n/a n/a	n/a n/a
3608	n/a	n/a
361D	n/a	n/a
3505 351B	12.92 n/a	10.4 n/a
3502	n/a	n/a
3503	n/a	n/a
3504 6503	n/a 13 36	n/a 10.95
6503 75XW	13.26 n/a	10.85 n/a
75XX	n/a	n/a
		_
75XY 4606	n/a 15.56	n/a 13.31

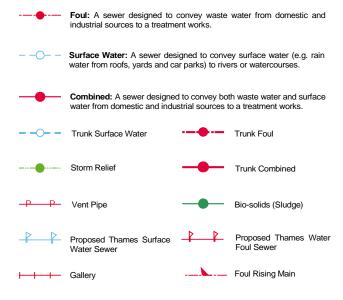
Manhole Reference	Manhole Cover Level	Manhole Invert Level
4714 4607	15.95 15.54	13.23 13.46
4501	n/a	n/a
4506 4605	n/a 15.68	8.64 13.18
4502	10.85	9.14
461A	n/a	n/a
4507 461B	15.6 n/a	13.82 n/a
4520	11.34	9.29
5603 5513	15.6 10.58	13.05 8.75
5512	15.5	13.23
5517	10.56	9.14
5516 5605	15.5 15.34	13.21 13.15
5602	15.66	12.99
5608 5604	15.36 15.5	13.66 13.1
5606	15.56	14.1
5515 5607	15.32 15.34	13.27 13.82
5511	15.29	13.42
5601	15.76	12.92
5507 5508	n/a n/a	n/a n/a
5509	n/a	n/a
55ZW	n/a	n/a
55ZX 56ZX	n/a n/a	n/a n/a
56ZW	n/a	n/a
55ZV 55ZY	n/a n/a	n/a n/a
66ST	n/a n/a	n/a n/a
6507	13.07	11.06
6506 65YR	14.17 n/a	12.27 n/a
65YV	n/a	n/a
66WX	n/a	n/a
66WP 6505	n/a n/a	n/a n/a
65YW	n/a	n/a
66XP 66WV	n/a n/a	n/a n/a
65YS	n/a	n/a
66WY	n/a	n/a
66WQ 6504	n/a n/a	n/a n/a
651A	n/a	n/a
66ZR 66YR	n/a n/a	n/a n/a
66YV	n/a	n/a
66ZQ	n/a	n/a
4301 541B	n/a n/a	n/a n/a
5401	n/a	n/a
5402 5403	n/a n/a	n/a n/a
5404	n/a	n/a
5405 541D	n/a	n/a
541D 541C	n/a n/a	n/a n/a
5406	n/a	n/a
6508 5502	n/a n/a	n/a n/a
6509	n/a	n/a
6518 5501	n/a n/a	n/a n/a
5506	n/a n/a	n/a
5503	9.71	7.69
6517 5505	n/a 9.52	n/a 8.28
6516	n/a	n/a
5510 6515	n/a n/a	n/a n/a
6514	n/a	n/a
5514	10.65	8.1
5518 4519	10.65 10.88	9.09 8.33
4505	10.85	8.57
2201 3202	n/a n/a	n/a n/a
3202	n/a n/a	n/a n/a
3201	n/a	n/a
331M 351C	n/a n/a	n/a n/a
351A	n/a	n/a
26ZV	n/a	n/a
26ZT 26YX	n/a n/a	n/a n/a
26ZS	n/a	n/a
26XP 2601	n/a n/a	n/a n/a
2001	TIVA	ıva

Manhole Reference	Manhole Cover Level	Manhole Invert Level
26XT	n/a	n/a
26XY	n/a	n/a
2502	n/a	n/a
261B	n/a	n/a
2501	11.27	n/a
251A	n/a	n/a
26XQ	n/a	n/a
26XV	n/a	n/a
26YR	n/a	n/a
26XZ	n/a	n/a
26XW	n/a	n/a
26YP	n/a	n/a
26YQ	n/a	n/a

The position of the apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be guaranteed. Service pipes are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Thames Water for any error or omission. The actual position of mains and services must be verified and established on site before any works are undertaken.



Public Sewer Types (Operated & Maintained by Thames Water)



Sewer Fittings

A feature in a sewer that does not affect the flow in the pipe. Example: a vent is a fitting as the function of a vent is to release excess gas.

Air Valve

Dam Chase

Fitting

Meter

♦ Vent Column

Operational Controls

A feature in a sewer that changes or diverts the flow in the sewer. Example: A hydrobrake limits the flow passing downstream.

Control Valve

Drop Pipe

Ancillary

✓ Weir

End Items

Combined Rising Main

Proposed Thames Water

End symbols appear at the start or end of a sewer pipe. Examples: an Undefined End at the start of a sewer indicates that Thames Water has no knowledge of the position of the sewer upstream of that symbol, Outfall on a surface water sewer indicates that the pipe discharges into a stream or river.

Outfall

Undefined End

/ Inle

Notes:

----- Vacuum

- 1) All levels associated with the plans are to Ordnance Datum Newlyn.
- 2) All measurements on the plans are metric.

Surface Water Rising

Sludge Rising Main

- Arrows (on gravity fed sewers) or flecks (on rising mains) indicate direction of flow.
- Most private pipes are not shown on our plans, as in the past, this information has not been recorded.
- 5) 'na' or '0' on a manhole level indicates that data is unavailable.

6) The text appearing alongside a sewer line indicates the internal diameter of the pipe in milimetres. Text next to a manhole indicates the manhole reference number and should not be taken as a measurement. If you are unsure about any text or symbology present on the plan, please contact a member of Property Insight on 0845 070 9148.

Other Symbols

Symbols used on maps which do not fall under other general categories

▲ / ▲ Public/Private Pumping Station

* Change of characteristic indicator (C.O.C.I.)

< Summit

Areas

Lines denoting areas of underground surveys, etc.

Agreement

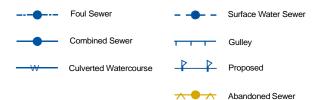
Operational Site

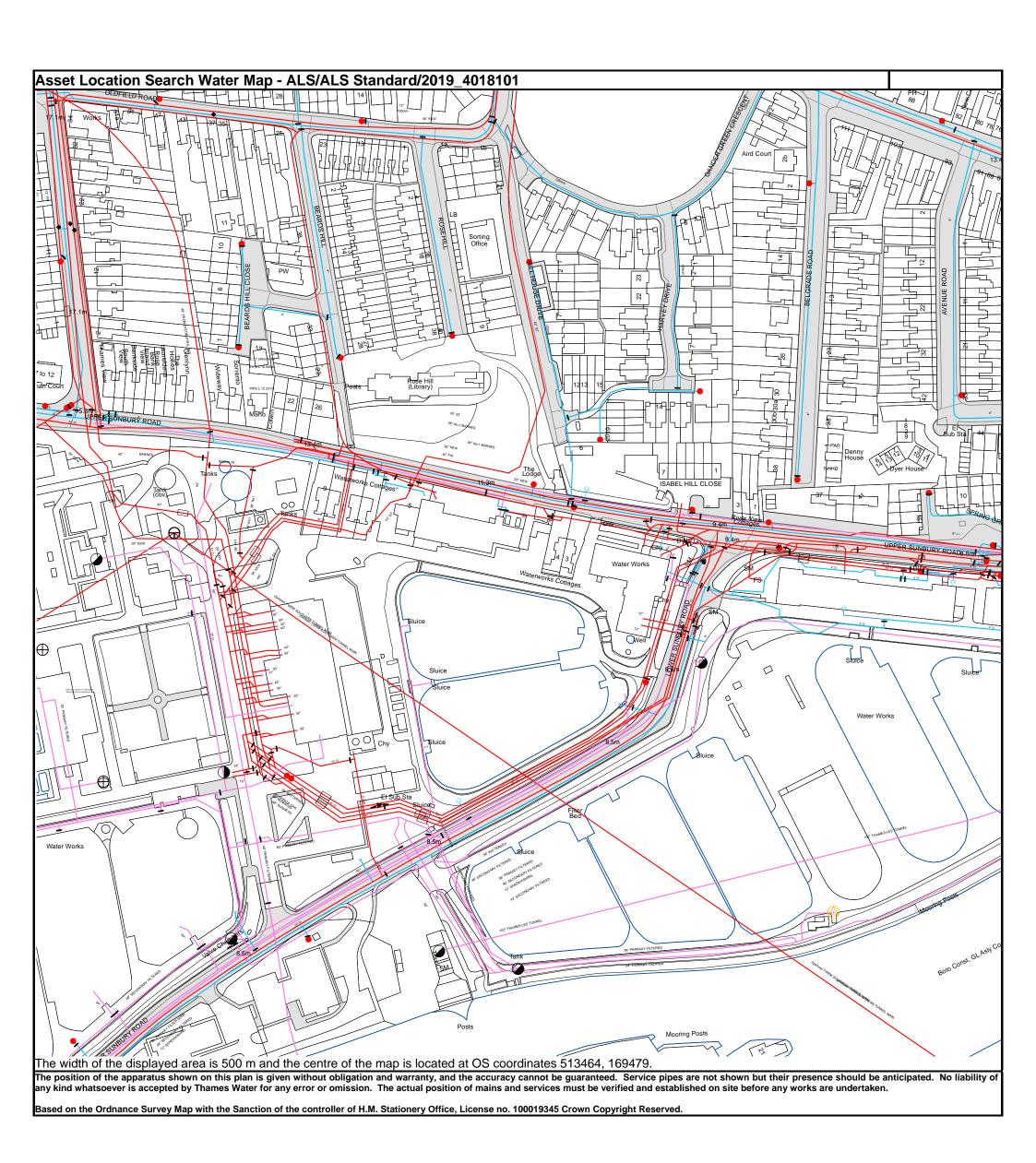
Chamber

Tunnel

Conduit Bridge

Other Sewer Types (Not Operated or Maintained by Thames Water)





<u>Thames Water Utilities Ltd</u>, Property Searches, PO Box 3189, Slough SL1 4W, DX 151280 Slough 13 T 0845 070 9148 E searches@thameswater.co.uk I www.thameswater-propertysearches.co.uk



Water Pipes (Operated & Maintained by Thames Water)

	- P (- P
4"	Distribution Main: The most common pipe shown on water maps. With few exceptions, domestic connections are only made to distribution mains.
16"	Trunk Main: A main carrying water from a source of supply to a treatment plant or reservoir, or from one treatment plant or reservoir to another. Also a main transferring water in bulk to smaller water mains used for supplying individual customers.
3" SUPPLY	Supply Main: A supply main indicates that the water main is used as a supply for a single property or group of properties.
3" FIRE	Fire Main: Where a pipe is used as a fire supply, the word FIRE will be displayed along the pipe.
3" METERED	Metered Pipe: A metered main indicates that the pipe in question supplies water for a single property or group of properties and that quantity of water passing through the pipe is metered even though there may be no meter symbol shown.
	Transmission Tunnel: A very large diameter water pipe. Most tunnels are buried very deep underground. These pipes are not expected to affect the structural integrity of buildings shown on the map provided.
	Proposed Main: A main that is still in the planning stages or in the process of being laid. More details of the proposed main and its reference number are generally included near the main.

PIPE DIAMETER	DEPTH BELOW GROUND								
Up to 300mm (12")	900mm (3')								
300mm - 600mm (12" - 24")	1100mm (3' 8")								
600mm and bigger (24" plus)	1200mm (4')								

Valves Operational Sites General PurposeValve **Booster Station** Air Valve Other Pressure ControlValve Other (Proposed) Customer Valve **Pumping Station** Service Reservoir **Hydrants** Shaft Inspection Single Hydrant Treatment Works Meters Unknown Meter Water Tower **End Items Other Symbols** Symbol indicating what happens at the end of L a water main. Data Logger Blank Flange Capped End **Emptying Pit** Undefined End Manifold

Customer Supply

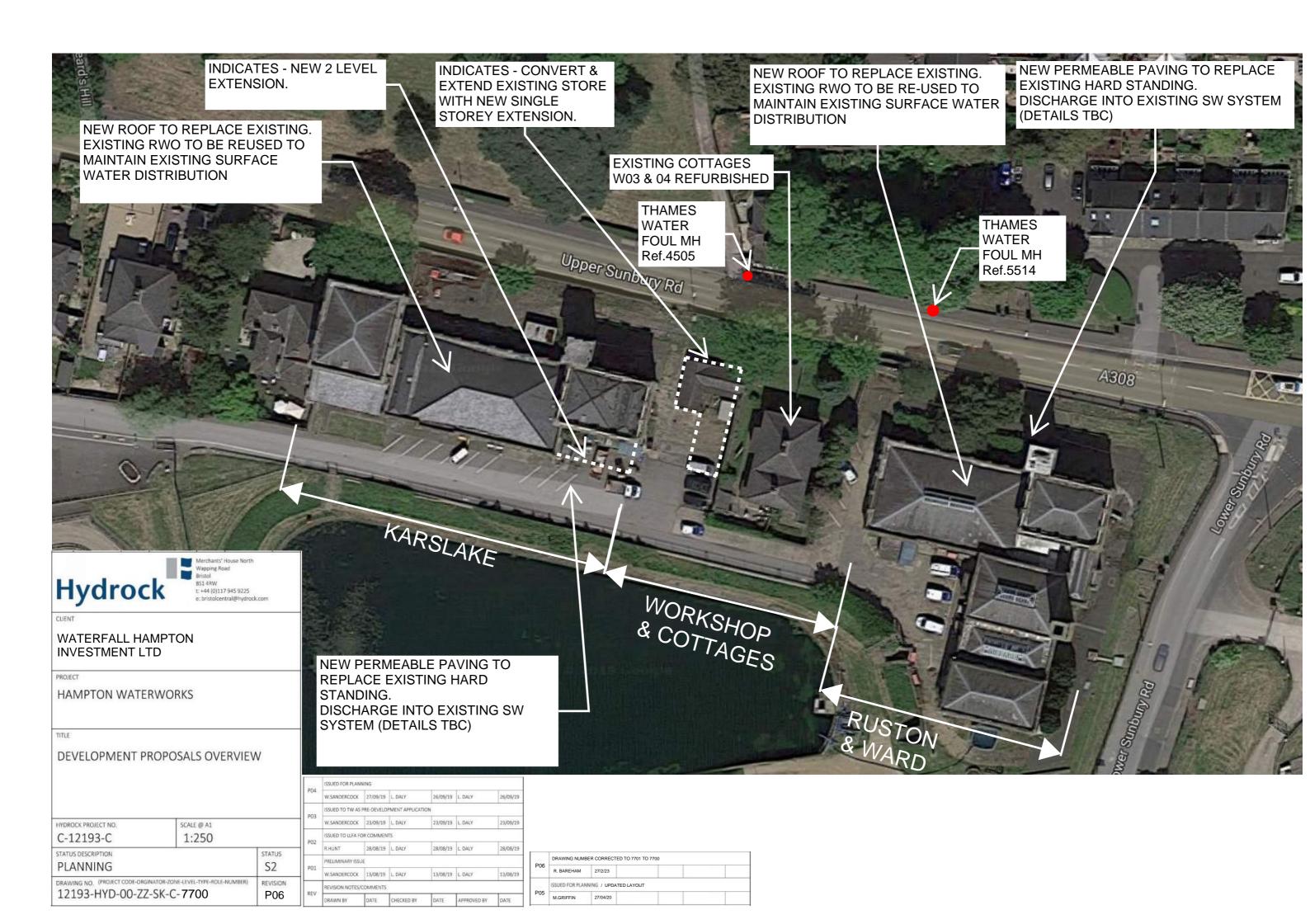
Fire Supply

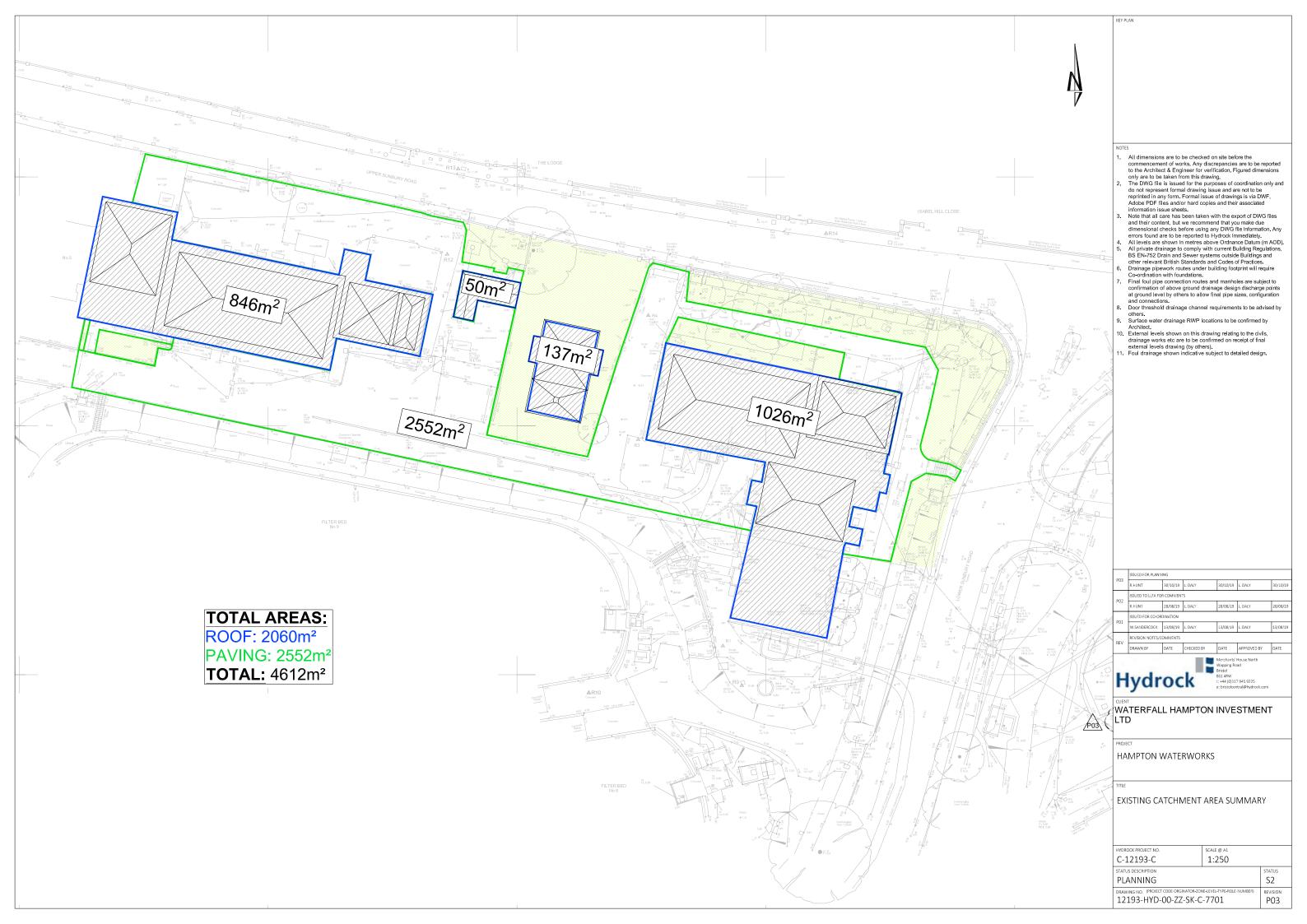
Other Water Pipes (Not Operated or Maintained by Thames Water) Other Water Company Main: Occasionally other water company water pipes may overlap the border of our clean water coverage area. These mains are denoted in purple and in most cases have the owner of the pipe displayed along them. Private Main: Indiates that the water main in question is not owned by Thames Water. These mains normally have text associated with them indicating the diameter and owner of the pipe.

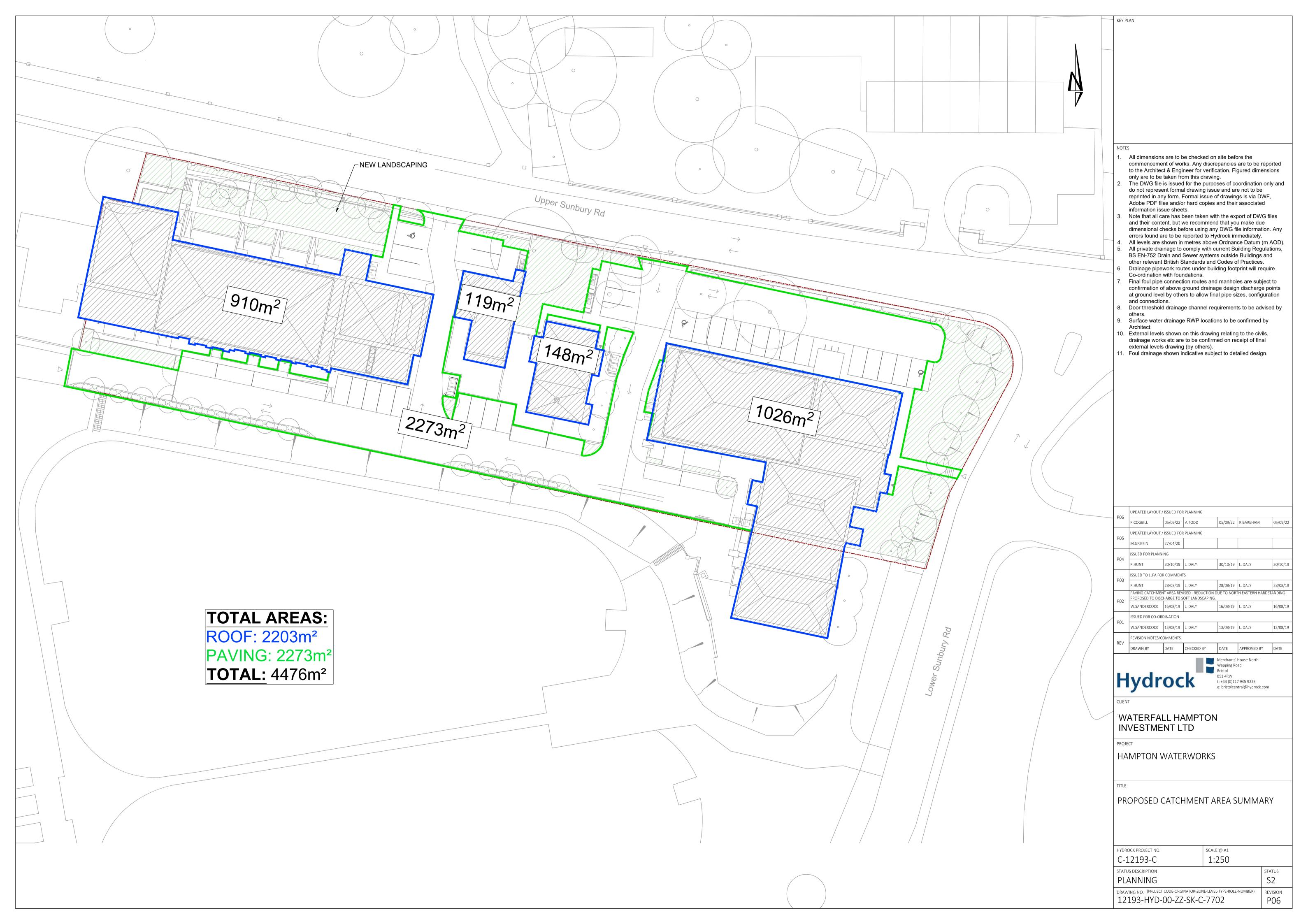


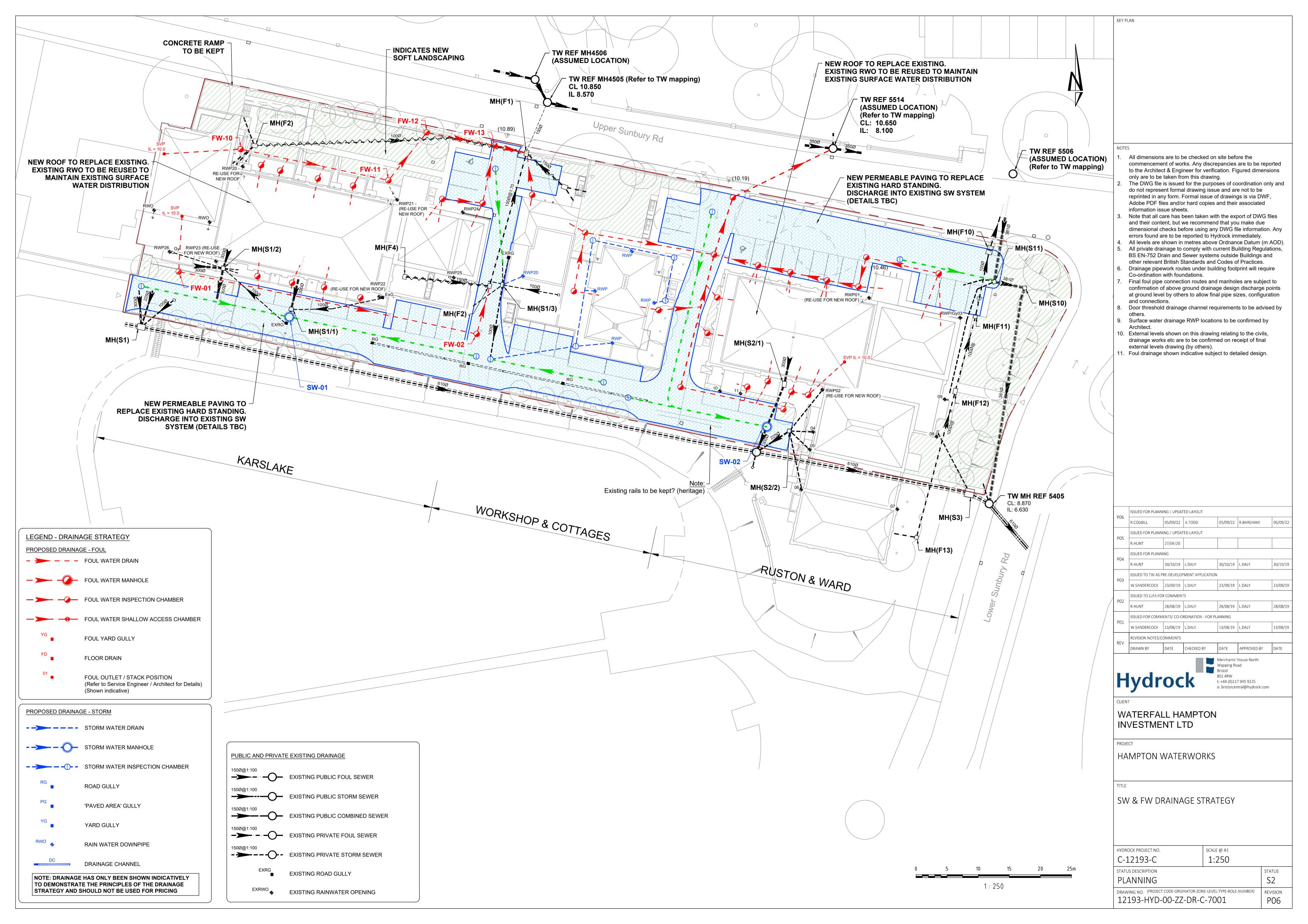
Appendix E

Drainage Strategy











Appendix F

LLFA & Thames water correspondence.



Mr L Daly Hydroc Ltd Merchants House North Wapping Road Bristol BS1 4RW

Our ref: DS6066091

0800 009 3921 Monday to Friday, 8am to 5pm

27th Sept 2019

Pre-planning enquiry: Wastewater Capacity check

Dear Mr Daly

Thank you for providing details of your development with the Pre-Planning application dated 23rd Sept 19 for development @ Ruston Ward Building Hampton Water Works Upper Sunbury Rd Hampton TW12 2DS.

This letter supersedes any previous correspondence.

{ Brownfield site {existing TW Hampton Water works}, developed to {37 Residential properties+260 m2 Office space} as per your above application}.

Foul

If your proposals progress in line with the details you've provided as above, we're pleased to confirm that there will be sufficient sewerage capacity to serve your foul discharges from your development, provided the discharge is by gravity.

Surface Water

In considering your surface water needs, we support the use of sustainable drainage on development sites.

Typically greenfield run off rates of 5l/s/ha should be aimed for using the drainage hierarchy. The hierarchy lists the preference for surface water disposal as follows; Store Rainwater for later use > Use infiltration techniques, such as porous surfaces in non-clay areas > Attenuate rainwater in ponds or open water features for gradual release > Discharge rainwater direct to a watercourse > Discharge by storing and attenuating rainwater to the combined sewer.

Please refer to the attached document titled "Planning your wastewater" attached to this letter, specifically to notes relating to surface water. Also I would advise you to liaise with the LA and discuss their criteria regarding surface water discharges in that area and adhere to their stipulation.

I note that you have consulted with the LLFA and they have accepted our SW proposals to introduce Suds permeable paving as betterment.

This confirmation is valid for 12 months or for the life of any planning approval that this information is used to support, to a maximum of three years.

Please note that you must keep us informed of any changes to your design – for example, an increase in the number or density of homes. Such changes could mean there is no longer sufficient sewerage capacity.

What happens next?

Please make sure you submit your connection application, when you are ready, giving us at least 21 days' notice of the date you wish to make your new connection/s.

If you've any further questions, please contact me.

Yours sincerely

Siva Sivarajan

Developer Services- Wastewater Adoptions Engineer Office:0203 577 7752 Mobile: 07747842608 sivarajan@thameswater.co.uk

Thames Water Utilities Ltd, Clearwater Court, Vastern Road, Reading, Berkshire, RG1 8DB Find us online at <u>developers.thameswater.co.uk</u>



TW int ref: DTS 62399

Laurence Daly

From: Humphris, Brian <Brian.Humphris@richmondandwandsworth.gov.uk>

Sent: 19 September 2019 15:03

To: Laurence Daly

Cc: Kim Walker; Martina Chokova; Josh Bullard; Mike Griffin; Will Sandercock; Simon

Mirams

Subject: RE: Hampton Waterworks Development._ Lead Local Flood Authority_ Initial

Consultation

Official

Laurence

I have looked at your plans and note that there is an overall reduction in catchment. Permeable paving will add further benefits. There is unlikely to be any land available for major SuDS measures, and I doubt that TW would allow surface water to flow into their (Raw) reservoirs next to the site! Small SuDS measures may be feasible within the gardens of the cottages.

You will obviously need to submit a formal Flood Risk Analysis, but there are unlikely to be any issues that concern me. The site is on the edge of Flood Zone 2 and the Thames at Hampton is non-tidal, as it's upstream of Teddington Weir.

Flood-related data can be found on our website address below:-

https://www.richmond.gov.uk/services/planning/planning_policy/local_plan/local_development_framework_research/flood_risk_assessment

Call me if you require any further comments or guidance.

Regards Brian

Brian Humphris

Highway Asset Co-ordinator Serving Richmond and Wandsworth Councils

Environment Directorate
London Borough of Richmond upon Thames
2nd Floor
Civic Centre
44 York Street
Twickenham
TW1 3BZ

020 8891 7738

brian.humphris@richmondandwandsworth.gov.uk www.richmond.gov.uk / www.wandsworth.gov.uk

Please note that I work only on Tuesday, Wednesday and Thursday.

If you have received this message in error you must not print, copy, use or disclose the contents, but must delete it from your system and inform the sender of the error. You should be aware that all emails received and sent by the London Borough of Richmond upon Thames may be stored or monitored, or disclosed to authorised third parties, in accordance with relevant legislation.

We welcome both positive and negative customer feedback on the services we provide. If you wish to provide feedback please do so using our online feedback form. Thank you.



Appendix G

SUDS Proforma.



GREATER LONDON AUTHORITY



The London Sustainable Drainage Proforma

Introduction

This proforma is intended to accompany a drainage strategy prepared for a planning application where required by national or local planning policy. It should be used to summarise the key outputs from the strategy to allow assessing officers at the Lead Local Flood Authority (LLFA) to quickly assess compliance with sustainable drainage (SuDS) planning ...

The proforma is divided into 4 sections, which are intended to be used as follows:

- 1. Site and project information Provide summary details of the development, site and drainage
- 2. Proposed discharge arrangement Summarise site ground conditions to determine potential for infiltration. Select a surface water discharge method (or mix of methods) following the hierarchical approach set out in the London Plan.
- 3. Drainage strategy Prioritise SuDS measures that manage runoff as close to source as possible and contribute to the four main pillars of SuDS; amenity, biodiversity, water quality and water quantity.
- 4. Supporting information Provide cross references to the page or section of the drainage strategy report where the detailed information to support each element can be found. This may be more than one reference for each

Policy

Drainage strategies for developments in the London Borough of Richmond upon Thames need to comply with the following policies on SuDS:

- 1. London Borough of Richmond upon Thames Local Plan policy LP21
- 2. London Plan policy 5.13 and draft New London Plan policy SI13
- 3. The National Planning Policy Framework (NPPF)

Technical Guidance

- Post-development surface water discharge rate should be limited to greenfield runoff rates. Proposals for higher discharge rates should be agreed with the LLFA ahead of submission of the Planning Application. Clear evidence should be provided with the Planning Application to show why greenfield rates cannot be achieved.
- Greenfield runoff rate is the runoff rate from a site in its natural state, prior to any development. This should be calculated using one of the runoff estimation methods set out in Table 24.1 of CIRIA C753 The SuDS Manual.
- Attenuation storage volumes required to reduce post-development discharge rates to greenfield rates should be calculated using one of the runoff estimation methods set out in Table 24.1 of CIRIA C753 The SuDS Manual.
- 'CC' refers to climate change allowance from the current Environment Agency guidance.
- An operation and maintenance strategy for proposed SuDS measures should be submitted with the Planning Application and include the details set out in section 32.2 of CIRIA C753 The SuDS Manual. The manual should be site-specific and not directly reproduce parts of The SuDS Manual.
- Other useful sources of guidance are:
 - o Richmond upon Thames Sustainable Drainage guidance
 - o The London Plan Sustainable Design and Construction SPG
 - o DEFRA non-statutory technical standards for sustainable drainage
 - o Environment Agency climate change guidance
 - o CIRIA C753 The SuDS Manual



GREATERLONDONAUTHORITY



Hampton Waterworks ame (including sub- ge / phase where	Hampton Waterworks, Upper Sunbury Road, Hampton, TW12 2DS	sting, Northing) E 536674.55 N 277788.07	if applicable)	Existing buildings to commercial. with associated hardstanding car park. 16 1 beds. 11 2 beds. 9 3 beds	5625 m ²	4612	4476	urface water flood Within FZ1 "low risk". (ref. local Surface ment Plan)?	e connection type Multiple existing surface water connection points	Jason Magee	on Principal Fugineer	
Project / Site Name (including sub- catchment / stage / phase where appropriate)	Address & post code	OS Grid ref. (Easting, Northing)	LPA reference (if applicable)	Brief description of proposed work	Total site Area	Total existing impervious area	Total proposed impervious area	Is the site in a surface water flood risk catchment (ref. local Surface Water Management Plan)?	Existing drainage connection type and location	Designer Name	Designer Position	
		S	liet	L. Project & Site De	:							

Superficial geology classificat Superficial geology classification Bedrock geology classification Site infiltration rate Depth to groundwater level Is infiltration feasible? 2b. Drainage Hierarchy 2 use infiltration techniques, surfaces in non-clay areas 3 attenuate rainwater in pon features for gradual release 4 attenuate rainwater by sto sealed water features for gra 5 discharge rainwater to a su sewer/drain 7 discharge rainwater to the 2c. Proposed Discharge Deta Proposed discharge location		ion KEMPTON PARK GRAVEL MEMBER. LONDON CLAY		s/m	m below ground level			e Pr	(Y/N) (Y/N)	ee Y Y	such as porous N N	ids or open water N N	rring in tanks or N N Ode of the N N N N N N N N N N N N N N N N N N N	to a watercourse N N	urface water γ γ	combined sewer. N	ilis	MH1/1. MH 2/2. MH 11	
	2a. Infiltration Feasibility	Superficial geology classification	Bedrock geology classification	Site infiltration rate	Depth to groundwater level	ls infiltration feasible?	2b. Drainage Hierarchy			1 store rainwater for later use	2 use infiltration techniques, such as porous surfaces in non-clay areas	3 attenuate rainwater in ponds or open water features for gradual release	4 attenuate rainwater by storing in tanks or sealed water features for gradual release	5 discharge rainwater direct to a watercourse	6 discharge rainwater to a surface water sewer/drain	7 discharge rainwater to the combined sewer.	2c. Proposed Discharge Details	Proposed discharge location	Has the contract/reamer at the



GREATERLONDONAUTHORITY



											3.	Drai	nag	ge St	rategy									
Total	Attenuation tanks	Basins/ponds	Swales	Pervious pavements	Bioretention / tree	Filter drains	Filter strips	Blue roofs	Green roofs	Infiltration systems	Rainwater harvesting			3c. Proposed SuDS Measures	3b. Principal Method of Flow Control	Climate change allowance usea	1 in 100 + CC	1 in 100	1 in 30	1 in 1	Qbar			3a. Discharge Rat
	S			nts	e pits					ns	ting)S Measures	hod of Flow	llowance used						runoff rate (I/s)	Greenfield (GF)	3a. Discharge Rates & Required Storage
0	0	0	0	4476 0	0	0	0	0	0	0	0	area (m²)	Catchment		N/A	40%					\bigvee	discharge rate (I/s)	Existing	orage
0		0	0	0	0	0	0	0	0			(m ²)	Plan area								X	GF rate (m ³)	Required	
0	0	0	0	0	0	0	0	0	0	0	0	vol. (m³)	Storage								\bigvee	discharge rate (I/s)	Proposed	

						4	. Su _l	рро	rting In	ormatio	on			
c) amenity?	b) biodiversity?	a) water quality of the runoff?	Demonstration of how the proposed SuDS measures improve:	Maintenance strategy	Detailed landscaping plans	Detailed drainage design drawings, including exceedance flow routes	Detailed Development Layout	4b. Other Supporting Details	Proposed SuDS measures & specifications (3b)	Discharge rates & storage (3a) – detailed hydrologic and hydraulic calculations	Proposed discharge details (2c) – utility plans, correspondence / approval from owner/regulator of discharge location	Drainage hierarchy (2b)	Infiltration feasibility (2a) — geotechnical factual and interpretive reports, including infiltration results	4a. Discharge & Drainage Strategy
				PAGE 13	APP C	APP E	APP B & C	Page/section of drainage report			APP D APP F	PAGE 10	PAGE 6	Page/section of drainage report