



The Former Stag Brewery, Mortlake

Drainage Strategy

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This document has been prepared and checked in accordance with Waterman Group's IMS (BS EN ISO 9001: 2008, BS EN ISO 14001: 2004 and BS OHSAS 18001:2007)

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Comments

Issue

Fourth



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Executive Summary

This Drainage Strategy has been prepared by Waterman Infrastructure & Environment ('Waterman IE') on behalf of Reselton Properties Limited ("the Applicant") in support of two linked planning applications ("the Applications") for the comprehensive redevelopment of the former Stag Brewery Site in Mortlake ("the Site") within the London Borough of Richmond upon Thames (LBRuT).

Following refusal of earlier application this 3rd iteration of the scheme seeks to respond directly to the Mayors reasons for refusal and in doing so also addresses a number of the concerns raised by the LBRuT. The amendments can be summarised as follows:

- A revised energy strategy is proposed in order to address the London Plan (2021) requirements;
- ii. Several residential blocks have been reduced in height to better respond to the listed buildings along the Thames riverfront and to respect the setting of the Maltings building, identified as a Building of Townscape Merit (BTM) by the LBRuT;
- iii. Reconfiguration of layout of Buildings 20 and 21 has been undertaken to provide lower rise buildings to better respond to the listed buildings along the Thames riverfront; and
- iv. Chalkers Corner light highways mitigation works.

The school proposals (submitted under 'Application B') are unchanged. The Applicant acknowledges LBRuT's identified need for a secondary school at the Site and the applications continue to support the delivery of a school. It is expected that the principles to be agreed under the draft Community Use Agreement (CUA) will be the same as those associated with the refused school application (LBRuT ref: 18/0548/FUL, GLA ref: GLA/4172a/07).

Overall, it is considered that together, the Applications respond successfully to the concerns raised and feedback provided by stakeholders in respect of the previous schemes and during preapplication discussions on the revised Proposed Development, whilst also retaining elements of the previous scheme which were supported by stakeholders, including third parties and decision makers.

Following the submission of the two planning applications in March 2022, the Applicant has received statutory consultee comments in particular from LBRuT officers, the Health and Safety Executive (HSE), Environment Agency (EA), Thames Water and Sports England. The Applicant has sought to respond to statutory consultee comments which has necessitated some minor scheme changes to the hybrid planning application. The proposed amendments include a reduction in 14 residential units (to 1,071) and minor reduction in office (79 sqm GIA) and flexible use (55 sqm GIA) at the ground floor. Two buildings (B01- the cinema and B10) have reduced by no more than one storey each, and another building (B02) facing the riverside has undergone further development of the proposed architectural treatment. Some minor changes have also been made to the drainage, landscape, fire, waste, energy and lighting strategies.

The drainage strategy outlined in this report reflects the minor changes to the plans but follows the principles of and remains in line with the 2020 strategy approved by the GLA and LBRuT.

Surface water runoff from the northeast of the Site would discharge by gravity to the River Thames (adjacent to the northern boundary of the Site) via three outfalls. As the River Thames is tidal in this



location, direct discharge to the river would be unrestricted. The area to discharge into the River Thames has been maximised using shallow geo-cellular conveyance channels, in order to relieve the Thames Water network of flows. Surface water runoff from the remainder of the Site would discharge via gravity to the Thames Water sewer network in the surrounding highways, maximising the attenuation volume within each drainage catchment to restrict surface water flows as much as possible.

Based on an area of 5.69ha currently draining into the Thames Water network, the existing discharge rate was calculated to be 812.3 l/s. The incorporation of permeable paving, rain gardens, and underground attenuation tanks achieves a reduction of surface water flows to the greenfield runoff rate of 37.4l/s, equal to a 95% reduction compared to the existing rate.

Appropriate treatment would be incorporated into the drainage system to ensure that the quality of water discharged is acceptable. This would be achieved through the incorporation of green roofs, permeable paving aggregate sub-base, rain gardens, and rainwater harvesting. A biomat filtration system within the attenuation tanks and downstream defenders or similar hard engineered solution would also be incorporated if deemed necessary at detailed design to ensure discharge is appropriately treated.

Foul flows from the Site would discharge by gravity to the Thames Water sewer network. The existing and proposed foul discharge rates have been calculated using the water consumption method at 14.4l/s and 24.1 l/s respectively.

The on-Site drainage networks and Sustainable Drainage Systems would be privately managed and maintained for the lifetime of the Development, ensuring they remain fit for purpose and function appropriately. The management company / operator would be appointed post-planning. The school drainage system (Application B) would be delivered and maintained separately from the Application A site.

This report confirms that surface water runoff from the Site (Applications A and B) can be managed sustainably to ensure that flood risk is not increased elsewhere. It is considered that the information provided within this report satisfies the requirements of the National Planning Policy Framework (NPPF), the London Plan, and the London Borough of Richmond upon Thames Local Plan.



1. Introduction

1.1. This Drainage Strategy has been prepared by Waterman Infrastructure & Environment ('Waterman IE') on behalf of Reselton Properties Limited ("the Applicant") in support of two linked planning applications ("the Applications") for the comprehensive redevelopment of the former Stag Brewery Site in Mortlake ("the Site") within the London Borough of Richmond upon Thames (LBRuT).

Proposals

1.2. The Applications seek planning permission for:

Application A:

"Hybrid application to include the demolition of existing buildings to allow for comprehensive phased redevelopment of the site:

Planning permission is sought in detail for works to the east side of Ship Lane which comprise:

- a) Demolition of existing buildings (except the Maltings and the façade of the Bottling Plant and former Hotel), walls, associated structures, site clearance and groundworks
- b) Alterations and extensions to existing buildings and erection of buildings varying in height from 3 to 9 storeys plus a basement of one to two storeys below ground
- c) Residential apartments
- d) Flexible use floorspace for:
 - Retail, financial and professional services, café/restaurant and drinking establishment uses
 - ii. Offices
 - iii. Non-residential institutions and community use
 - iv. Boathouse
- e) Hotel / public house with accommodation
- f) Cinema
- g) Offices
- New pedestrian, vehicle and cycle accesses and internal routes, and associated highway works
- i) Provision of on-site cycle, vehicle and servicing parking at surface and basement level
- j) Provision of public open space, amenity and play space and landscaping
- k) Flood defence and towpath works
- I) Installation of plant and energy equipment

Planning permission is also sought in outline with all matters reserved for works to the west of Ship Lane which comprise:



- a) The erection of a single storey basement and buildings varying in height from 3 to 8 storeys
- b) Residential development
- c) Provision of on-site cycle, vehicle and servicing parking
- d) Provision of public open space, amenity and play space and landscaping
- e) New pedestrian, vehicle and cycle accesses and internal routes, and associated highways works"

Application B:

"Detailed planning permission for the erection of a three-storey building to provide a new secondary school with sixth form; sports pitch with floodlighting, external MUGA and play space; and associated external works including landscaping, car and cycle parking, new access routes and other associated works"

1.3. Together, Applications A and B described above comprise the 'Proposed Development'.

Background to Submission

- 1.4. The current applications follow earlier planning applications which were refused by the Greater London Authority (GLA). The refused applications were for:
 - a) Application A hybrid planning application for comprehensive mixed use redevelopment of the former Stag Brewery site consisting of:
 - Land to the east of Ship Lane applied for in detail (referred to as 'Development Area 1' throughout); and
 - ii. Land to the west of Ship Lane (excluding the school) applied for in outline (referred to as 'Development Area 2' throughout).
 - b) Application B detailed planning application for the school (on land to the west of Ship Lane).
 - Application C detailed planning application for highways and landscape works at Chalkers Corner.
- 1.5. The LBRuT (the Council) originally resolved to grant planning permission for Applications A and B but refuse Application C.
- 1.6. Following the LBRuT's resolution to approve the Applications A and B, the Mayor called-in the Applications and became the determining authority. The Mayor's reasons for calling in the Applications were set out in his Stage II letter (dated 4 May 2020) but specifically related to concerns regarding what he considered was a low percentage of affordable housing being proposed for the Site and the need to secure a highways solution for the scheme following the LBRuT's refusal of Application C.
- 1.7. Working with the Mayor's team, the Applicant sought to meaningfully respond to the Mayor's concerns on the Applications. A summary of the revisions to the scheme made and submitted to the GLA in July 2020 is as follows:



- i. Increase in residential unit provision from up to 813 units to up to 1,250 units;
- ii. Increase in affordable housing provision from (up to) 17%, to 30%;
- iii. Increase in height for some buildings of up to three storeys;
- iv. Change to the layout of Blocks 18 and 19, conversion of Block 20 from a terrace row of housing to two four storey buildings;
- v. Reduction in the size of the western basement, resulting in an overall car parking spaces reduction of 186 spaces and introduction of an additional basement storey under Block 1;
- vi. Internal layout changes and removal of the nursing home and assisted living in Development Area 2;
- vii. Landscaping amendments, including canopy removal of four trees on the north west corner of the Site; and
- viii. Alternative options to Chalkers Corner in order to mitigate traffic impacts through works to highway land only and allow the withdrawal of Application C.
- 1.8. The application was amended to reflect these changes.
- 1.9. Notwithstanding this, and despite GLA officers recommending approval, the Mayor refused the applications in August 2021.
- 1.10. The Mayor's reasons for refusal in respect of Application A were:
 - height, bulk and mass, which would result in an unduly obtrusive and discordant form of development in this 'arcadian' setting which would be harmful to the townscape, character and appearance of the surrounding area;
 - ii. heritage impact. The proposals, by reason of its height, scale, bulk and massing would result in less than substantial harm to the significance of several listed buildings and conservation areas in the vicinity. The Mayor considered that the less than substantial harm was not clearly and convincingly outweighed by the public benefits, including Affordable Housing, that the proposals would deliver;
 - iii. neighbouring amenity issues. The proposal, by reason of the excessive bulk, scale and siting of Building 20 and 21 in close proximity to the rear of neighbouring residential properties in Parliament Mews and the rear gardens of properties on Thames Bank, would result in an unacceptable overbearing an unneighbourly impact, including direct overlooking of private amenity spaces. The measures in the Design Code would not sufficiently mitigate these impacts; and
 - iv. no section 106 agreement in place.
- 1.11. Application B was also refused because it is intrinsically linked with Application A and therefore could not be bought forward in isolation.

The Proposed New Scheme

1.12. This 3rd iteration of the scheme (Appendix A) seeks to respond directly to the Mayor's reasons for refusal and in doing so also addresses number of the concerns raised by the LBRuT.



- 1.13. The amendments can be summarised as follows:
 - v. A revised energy strategy is proposed in order to address the London Plan (2021) requirements;
 - vi. Several residential blocks have been reduced in height to better respond to the listed buildings along the Thames riverfront and to respect the setting of the Maltings building, identified as a Building of Townscape Merit (BTM) by the LBRuT;
 - vii. Reconfiguration of layout of Buildings 20 and 21 has been undertaken to provide lower rise buildings to better respond to the listed buildings along the Thames riverfront; and
 - viii. Chalkers Corner light highways mitigation works.
- 1.14. The school proposals (submitted under 'Application B') are unchanged. The Applicant acknowledges LBRuT's identified need for a secondary school at the Site and the applications continue to support the delivery of a school. It is expected that the principles to be agreed under the draft Community Use Agreement (CUA) will be the same as those associated with the refused school application (LBRuT ref: 18/0548/FUL, GLA ref: GLA/4172a/07).
- 1.15. Following the submission of the two planning applications in March 2022, the Applicant has received statutory consultee comments in particular from LBRuT officers, the Health and Safety Executive (HSE), Environment Agency (EA), Thames Water and Sports England. The Applicant has sought to respond to statutory consultee comments which has necessitated some minor scheme changes to the hybrid planning application (Application A only). The proposed amendments include a reduction in 14 residential units (to 1,071) and minor reduction in office (79 sqm GIA) and flexible use (55 sqm GIA) at the ground floor. Two buildings (B01- the cinema and B10) have reduced by no more than one storey each, and another building (B02) facing the riverside has undergone further development of the proposed architectural treatment. Some minor changes have also been made to the drainage, landscape, fire, waste, energy and lighting strategies.
- 1.16. Overall, it is considered that together, the Applications respond successfully to the concerns raised by stakeholders in respect of the previous schemes and during pre-application discussions on the revised Proposed Development. As a result, it is considered that the scheme now represents a balanced development that delivers the principle LBRuT objectives from the site

Site Description

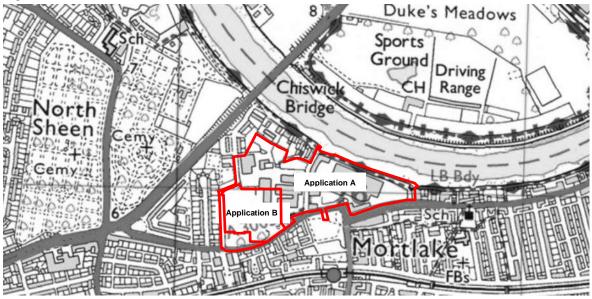
1.17. The Site (Application A and B) comprises an approximately 9.25 ha parcel of land predominantly occupied by the former Stag Brewery. The former Stag Brewery Site is bounded by Lower Richmond Road to the south, the river Thames and the Thames Bank to the north, Williams Lane to the west and Bulls Alley (off Mortlake High Street) to the east. The Site is bisected by Ship Lane. The Site currently comprises a mixture of large scale industrial brewing structures, large areas of hardstanding and playing fields. The Site is centred on National Grid Reference 520380, 176003, as shown in Figure 1 overleaf.



Scope of the Report

- 1.18. This report follows the previously submitted 2018 Drainage Strategy, May 2019 Drainage Strategy Addendum, 2020 Drainage Strategy and March 2022 Drainage Strategy to reflect the further amendments to the scheme and to address consultee comments to further reduce surface water run-off rates.
- 1.19. The latest changes to the scheme are covered in the preceding "The Proposed New Scheme" section of the report.
- 1.20. Additionally, runoff that discharges from the Site to the Thames Water sewer network has been reduced to achieve the greenfield runoff rate. This has been achieved by upsizing the proposed surface water attenuation features, as covered in the Surface Water Drainage section of the report.
- 1.21. The report assesses management of foul and surface water runoff from the Site, so as not to have a detrimental effect on the Site or its surroundings, in line with the National Planning Policy Framework (NPPF) and local policy.

Figure 1: Site Location



Key

Development Location

Source: www.bing.com/maps



2. Planning Policy and Guidance

National Planning Policy Framework

- 2.1. The National Planning Policy Frameworkⁱ (NPPF), last revised in July 2021 is the current national policy on flood risk and drainage.
- 2.2. The NPPF states that when determining planning applications, Local Planning Authorities (LPA) should ensure that flood risk is not increased elsewhere. Major developments should incorporate SuDS unless there is clear evidence that this would be inappropriate. The systems used should:
 - Take account of advice from the Lead Local Flood Authority (LLFA);
 - Have appropriate proposed minimum operational standards;
 - Have maintenance arrangements in place to ensure an acceptable standard of operation for the lifetime of the development; and
 - · Where possible, provide multifunctional benefits.

Planning Practice Guidance

- 2.3. The Planning Practice Guidance (PPG)ⁱⁱ, last updated in June 2021 provides additional guidance to LPAs to ensure effective implementation of the planning policies set out within the NPPF regarding development in areas at risk of flooding.
- 2.4. The PPG states that developers and LPAs should seek opportunities to reduce the overall level of flood risk in the area and beyond through the layout and form of the development, and the appropriate application of SuDS.

Non-statutory Technical Standards for Sustainable Drainage Systems

- 2.5. The Non-statutory Technical Standards for Sustainable Drainage Systemsⁱⁱⁱ was published in March 2015 and is the current guidance for the design, maintenance and operation of SuDS.
- 2.6. The standards set out that the peak runoff rates should be as close as is reasonably practicable to the greenfield rate, but should never exceed the pre-development runoff rate.
- 2.7. The standards also set out that the drainage system should be designed so that flooding does not occur on any part of the Site for a 1 in 30 year rainfall event, and that no flooding of a building (including basement) would occur during a 1 in 100 year rainfall event.
- 2.8. It is also noted within the standards that pumping should only be used when it is not reasonably practicable to discharge by gravity.

London Plan and London Plan Supplementary Planning Guidance

- 2.9. The London Plan^{iv} sets out the Mayor's policies for development in London and was published in December 2020 and adopted in March 2021.
- 2.10. Policy SI 13 regarding Sustainable Drainage indicates that Development proposals should aim to achieve greenfield run-off rates and ensure that surface water run-off is managed as close to its source as possible. There should also be a preference for green over grey features. Furthermore,



the policy outlines a specific drainage hierarchy and indicates that permeable paving should be used unless there are robust justifications, these items are discussed in further detail under Section 4 of this report.

Water Industry Act

- 2.11. Thames Water is the local Sewerage Undertaker and provides sewerage services under the guidance of the Water Industry Act 1991.
- 2.12. Under Section 106 of the Water Industry Act, the developer currently maintains the automatic right to 'communicate' with the public foul water sewer system.

London Borough of Richmond Upon Thames Local Plan

- 2.13. LBRuT's adopted their Local Plan in 2018^v. With regards to drainage, Policy LP21 'Flood Risk and Sustainable Drainage' states the following:
 - C. The Council will require the use of Sustainable Drainage Systems (SuDS) in all development proposals. Applicants will have to demonstrate that their proposal complies with the following:
 - 1. A reduction in surface water discharge to greenfield run-off rates wherever feasible.
 - 2. Where greenfield run-off rates are not feasible, this will need to be demonstrated by the applicant, and in such instances, the minimum requirement is to achieve at least a 50% attenuation of the site's surface water runoff at peak times based on the levels existing prior to the development.
- 2.14. LBRuT published a Planning Guidance Document Delivering SuDS in Richmond^{vi} in 2015, which provides further guidance on the implementation of SuDS.
- 2.15. It further states that to reduce the risk of surface water and sewer flooding, all development proposals in the borough that could lead to changes to or have impacts on, surface water runoff are required to follow the London Plan drainage hierarchy:
 - · 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 to a watercourse;
 - Attenuate rainwater by storing in tanks or sealed water features for gradual release to a watercourse;
 - Discharge rainwater direct to a watercourse;
 - · Discharge rainwater to a surface water drain; and
 - Discharge rainwater to a combined sewer.



3. Existing Drainage

3.1. Thames Water sewer records (Appendix B) indicate that several sewers are present in the vicinity of and crossing the Site, as indicated in Table 1.

Table 1: Existing Sewers Associated with the Site

Location	Sewer				
Crossing through the north-west of the Site.	225mm diameter Thames Water foul sewer.				
Within north-west of the Site.	Two Thames Water foul rising mains.				
Along north-eastern boundary of the Site along Thames towpath.	686mm diameter combined Thames Water sewer.				
West of the Site along Williams Lane.	900mm diameter Thames Water surface water sewer.				
	600mm diameter Thames Water surface water sewer.				
South of the Site along Lower Richmond Road.	750mm diameter and 225mm diameter Thames Water foul water sewer.				
Contain of the Cite class Chin Land	600mm diameter Thames Water surface water sewer.				
Centre of the Site along Ship Lane.	225mm diameter Thames Water foul water sewer.				

- 3.2. Following review of the existing onsite drainage records for the Site (Appendix C) it is understood that existing drainage scenario is as follows:
 - Existing foul flows discharge to the Thames Water sewer network;
 - Existing surface water flows from the north-east of the Site discharge into the Thames via an existing outfall; and
 - Existing surface water flows from the remainder of the Site discharge to the Thames Water sewer network at various connection points.
- 3.3. The existing drainage and connections would be confirmed by a CCTV drainage survey post planning.



4. Surface Water Drainage

- 4.1. Following the submission of the two planning applications in March 2022, the Applicant has received statutory consultee comments in particular from LBRuT officers, the Health and Safety Executive (HSE), Environment Agency (EA), Thames Water and Sports England. The Applicant has sought to respond to statutory consultee comments which has necessitated some minor scheme changes to the hybrid planning application. The proposed amendments include a reduction in 14 residential units (to 1,071) and minor reduction in office (79 sqm GIA) and flexible use (55 sqm GIA) at the ground floor. Two buildings (B01- the cinema and B10) have reduced by no more than one storey each, and another building (B02) facing the riverside has undergone further development of the proposed architectural treatment. Some minor changes have also been made to the drainage, landscape, fire, waste, energy and lighting strategies.
- 4.2. Since the initial 2018 Drainage Strategy, submitted with the 2018 Applications that LBRuT Resolved to Approve, the proposals have been developed to reflect the comments from relevant consultees. In particular, LBRuT comments as the Lead Local Flood Authority that the Development should reduce the proposed surface water run-off rate and aim to achieve the 100 year greenfield runoff rate. This latest Drainage Strategy incorporates the previous changes and comments and has now been updated to reflect the latest scheme proposals. A detailed list of the consultee comments and the resulting updates to the drainage strategy have been captured in a standalone consultee response letter (WIE18671-114-BN-1.3.4-FR&D Response).
- 4.3. As with the previous submissions, all existing public highway areas/land within the application boundary would continue to drain as existing. Drainage design here will be addressed as part of wider highways drainage design under the responsibility of the highway authority. Accordingly, the proposed drainage strategy included herein covers the Stag Brewery area of the Site only.
- 4.4. The proposed surface water drainage system would be designed to convey surface water only, with foul water being discharged separately. The design would be in accordance with BS EN 752 Drain and Sewer Systems Outside Buildings^{vii}, BS EN 12056 Gravity Drainage Systems Inside Buildings^{viii}, and Approved Document H of Building Regulations^{ix}.
- 4.5. In line with Building Regulations and the PPG, the following hierarchy of surface water disposal should be adhered to, in decreasing order of preference.
 - i. Discharge to ground;
 - ii. Discharge to a surface water body;
 - iii. Discharge to a surface water sewer; and
 - iv. Discharge to a combined sewer.

Discharge to Ground

4.6. According to the Preliminary Risk Assessment by Waterman^x (January 2022), the Site is underlain by clay, with the likelihood of high groundwater due to the Site's proximity to the River Thames. The report also states the possibility of contamination due to the previous industrial uses on Site. Therefore, the use of infiltration techniques is unlikely to be feasible for the majority of the Site.



4.7. As requested by the Greater London Authority (GLA) (Appendix D), it is proposed that the 3G sports pitch proposed in the south west of the Site would drain freely into the ground. This is subject to ground investigations, which would be undertaken during detailed design. If results show that infiltration is not feasible, then a tank or similar attenuation feature would be provided and surface water runoff from the pitch would be directed into the surrounding Thames Water network. The GLA agreed (Appendix D) that this approach satisfies their aspirations.

Discharge to a Surface Water Body

- 4.8. The second most sustainable option would be to discharge directly to a surface water body. Due to the proximity to the River Thames, the north-eastern part of the Site would discharge directly into the River.
- 4.9. An existing residential area lies between the western part of the Site and the River Thames. As such, there is no means to provide a connection directly into the Thames from the western or south-eastern part of the Site.

Discharge to a Sewer

- 4.10. Thames Water sewer records (Appendix B) indicate that several surface water sewers are present in the vicinity of the Site, which ultimately connect into the River Thames. The on-Site sewer records (Appendix C) indicate that the majority of the Site currently drains into the Thames Water surface water sewer network.
- 4.11. Areas of the Site where a direct connection into the River Thames is not feasible would instead connect to the Thames Water sewer network as per the existing situation.

Sustainable Drainage Systems

- 4.12. The most sustainable way to drain surface water runoff is through the use of Sustainable Drainage Systems (SuDS), which need to be considered in relation to Site-specific constraints.
- 4.13. SuDS mimic the natural drainage system and provide a method of surface water drainage which can decrease the quantity of water discharged, and hence reduce the risk of flooding. In addition to reducing flood risk, SuDS features improve water quality, and provide biodiversity and amenity benefits.
- 4.14. The potential for SuDS was considered throughout the design process with workshops being held by the design team to discuss the various constraints and opportunites for each of the SuDS devices. In line with the London Plan Policy SI13 "Sustainable Drainage", rainwater harvesting and parmeable paving would be incorporated along with a number of other SuDS features, as outlined in Table 2 below. A completed LBRuT SuDS proforma for the Development is provided in Appendix J.



Table 2: Sustainable Drainage Techniques

Device	Description	Constraints/Comments	√/x
Green / brown roofs (source control).	Provide soft landscaping at roof level which reduces surface water runoff.	Green roofs are proposed throughout the Development (Appendix A).	✓
Infiltration devices & Soakaways (source control).	Store runoff and allow water to percolate into the ground via natural infiltration.	The underlying geology, high groundwater levels, and potential contamination risks preclude the potential for formal infiltration at this stage.	×
Pervious surfaces (source control).	Storm water is allowed to infiltrate through the surface into a storage layer, from which it can either infiltrate and / or slowly release to sewers.	The underlying geology, high groundwater levels, and potential contamination risks preclude the potential for formal infiltration. However, lined permeable paving is proposed throughout the Development.	✓
Rainwater harvesting (source control).	Reduces the annual average rate of runoff from a site by reusing water for non-potable uses e.g. toilet flushing or water butts.	Rainwater harvesting butts are proposed throughout the Development. However, the reduction of surface water runoff cannot be quantified with certainty as this would be dependent on the demand for harvested rainwater.	✓
Swales (permeable conveyance).	Broad shallow channels that convey / store runoff, and allow infiltration (ground conditions permitting).	The underlying geology, high groundwater level, and potential contamination risks preclude the potential for formal infiltration. The tight urban nature of the Site precludes the inclusion of swales.	×
Filter drains & perforated pipes (permeable conveyance).	Trenches filled with granular materials (which are designed to take flows from adjacent impermeable areas) that convey runoff while allowing infiltration (ground conditions permitting).	The underlying geology, high groundwater level, and potential contamination risks preclude the potential for formal infiltration.	×
Filter Strips (permeable conveyance).	Wide gently sloping areas of grass or dense vegetation that remove pollutants from runoff from adjacent areas.	The underlying geology, high groundwater level, and potential contamination risks preclude the potential for formal infiltration.	×
Infiltration basins (end of pipe treatment).	Depressions in the surface designed to store runoff and allow infiltration through the base.	The underlying geology, high groundwater level, and potential contamination risks preclude the potential for formal infiltration.	×



Device	Description	Constraints/Comments	√/x
Bioretention Systems / Rain Garden (end of pipe treatment).	A shallow landscaped depression which allows runoff to pond temporarily on the surface before filtering through vegetation and underlying soils.	The underlying geology, high groundwater and potential contamination risks preclude the potential for formal infiltration. However, a lined rain garden is proposed along the green link in the eastern part of the Site.	✓
Dry ponds (end of pipe treatment)	Depressions in the surface designed to store runoff without infiltration through the base.	Due to the proposed basement extents, the incorporation of ponds would not be feasible.	*
Attenuation underground (end of pipe treatment)	Oversized pipes or geocellular tanks designed to store water below ground level.	Due to the tight urban nature of the site, attenuation tanks are required to restrict runoff to the required rates.	✓

Green Roofs

4.15. Green roofs would provide a bio-diverse habitat in addition to capturing rainwater, naturally slowing the rate of runoff, and providing water quality benefits. The proposed locations for green roofs are shown on the development proposals in Appendix A.

Rainwater Harvesting

- 4.16. The inclusion of rainwater harvesting would decrease the demand on potable water, and could be used for irrigation of the proposed landscaping. However, it cannot be guaranteed that there would always be sufficient demand for recycled water to ensure an empty tank is available prior to a high intensity rainfall event, when the storage is most required. Therefore, rainwater harvesting has not been taken into account in the surface water runoff calculations presented later in the drainage strategy.
- 4.17. Rainwater harvesting butts are proposed throughout the Development to increase water efficiency and reduce the amount of surface water runoff.

Permeable Paving (Lined)

4.18. Permeable paving would provide water quality benefits as well as attenuating flows within the lined sub-base structure. The inclusion of lined permeable paving is proposed throughout the Development (as shown on the drainage strategy drawing, Appendix E). Rainwater would percolate through the granular sub-base prior to being attenuated in geo-cellular tanks located beneath.

Rain Gardens

4.19. Rain gardens are planted areas where surface water is directed into, providing primarily water quality benefits as the water percolates through the soil as well as some attenuation. Rain gardens are proposed along the eastern edge of the green link in the eastern part of the Site.



Underground Attenuation

4.20. Due to the constrained urban nature of the Site, lined geo-cellular attenuation tanks are required to significantly restrict surface water runoff. If deemend necessary during detailed design, these would include pollutant-intercepting biomats, which float on the water and are designed to intercept and treat any potential residual emulsified oils (residual hydrocarbons) that may be present within the surface water. These provide a sutainable solution as it is self-maintaining and 100% recyclable.

Proposed Surface Water Drainage Strategy

Discharge to River Thames

- 4.21. In line with the drainage hierarchy, it is proposed to discharge surface water runoff from the north-east part of the Site into the adjacent River Thames. Due to the tidal nature of the Thames in this location, LBRuT accept that surface water runoff can discharge to it unrestricted (Appendix F). In the existing situation, the majority of this area drains into the Thames Water network. The proposals therefore reduce contributing area discharging into the public sewer network compared to the existing situation. The proposals to discharge to the River Thames remain unchanged since the 2018 drainage strategy.
- 4.22. It is important to include the potential for tide locking in the assessment, to ensure that if the outfall into the Thames becomes surcharged (i.e. if the water level in the river rises above the level of the outfall), any rain falling on the Site during this time would not cause flooding within the Development. For the purpose of this assessment the Mean High Water Spring Level (MHWS) of 4.13m AOD has been used (as indicated in the 2017 PLA Tide Table in Appendix G), plus a 1.1m for sea level rise over the next 100 years (in accordance with EA guidance). This gives a tide locking design level to be 5.23m AOD. At this design level, the outfall would be surcharged for 5.4 hours during a tidal surge (Appendix G includes tide locking calculations).
- 4.23. The north-east of the Site would discharge unrestricted into the River Thames via three outfalls; the existing outfall would be reused if possible subject to CCTV survey and detailed design.
- 4.24. A proposed single-level basement (including a sub-basement under Building 01) extends across the majority of the eastern part of the Site, restricting potential drainage routes to the River Thames and therefore the size of the catchment that could drain to the River Thames. In order to maximise the size of the catchment that could drain to the River Thames, a shallow channel system made up of permavoid tanks is proposed to convey surface water towards the River (note this is for conveyance, not attenuation).
- 4.25. The channels would be 150mm deep and 3,200mm in width (subject to detailed design) and laid flat above the ground floor slab. At the boundary of the basement the channels would be picked up by traditional below ground drainage and directed to the River Thames.
- 4.26. To ensure this system would work under storm conditions, a MicroDrainage network model has been developed. The worst-case scenario (longest channel with largest incoming catchment area) has been assessed and the potential for tide-locking has been incorporated in the analysis. The results (Appendix G) indicate no flooding for the 1 in 100 year plus 40% climate change storm event.



Discharge to Thames Water Sewers

- 4.27. It is proposed to discharge surface water runoff from the remaining areas of the Site (that cannot reach the River Thames directly) to the existing Thames Water network. The London Plan ideally requires developments to restrict surface water runoff to the greenfield rate. However, it states that where it can be justified that this volume cannot be incorporated within the development, 50% of the existing rate can be acceptable.
- 4.28. The area of the Site which currently drains into the Thames Water network is 5.69ha. This excludes the existing green area in the south-west of the Stag Brewery Site, to the south of the proposed school, as it would remain a soft landscaped park area as part of the Development. By directing flows from the north-eastern part of the Stag Brewery Site directly to the River Thames, the area that drains into the Thames Water network is reduced to 4.84ha.
- 4.29. The greenfield runoff rate (Q100) has been calculated to be 7.7 l/s/ha (or 37.4 l/s for the Site) (Appendix H). The existing runoff rate has been calculated for the 1 in 100 year 60 minute event using the Modified Rational Method. This gives an existing runoff rate off 812.3 l/s (Appendix H) for the Site.
- 4.30. The Site has been split into 7 drainage catchments, mimicking the existing situation as far as practicable. The attenuation provision within each catchment has been maximised to achieve the greenfield runoff rate. MicroDrainage Source Control module (Appendix H) was used to calculate the required attenuation, which results in a 95% reduction in existing runoff rates. Source Control includes for all storm durations and takes account of a 40% increase in rainfall intensity to account for climate change.

Table 3: Proposed Discharge Rates and Attenuation Provision

Catchment Area (ha)		Existing Rate (I/s)			Betterment (%)	
East part of the Site – 1	0.30	43.44	2.4	251	95	
East part of the Site – 2	0.25	35.90	1.9	210	95	
East part of the Site – 3	0.18	26.17	1.4	150	95	
West part of the – School	1.31	187.18	10.1	1095	95	
West part of the Site – 4	1.07	153.30	8.3	893	95	
West part of Site – 5	0.92	131.88	7.1	769	95	
West part of the Site – 6	0.79	112.76	6.1	319	95	
Sub-Total	Total 4.84 690.64		37.4	3686	95	



Catchment	Area (ha)	Existing Rate (I/s)	Proposed Rate (I/s)	Attenuation (m ³)	Betterment (%)
Total*	5.69	812	37.4	3686	95

^{*}Includes area of the Site which is proposed to discharge unrestricted into the River Thames.

- 4.31. The proposed drainage achieves the greenfield runoff rate, which is the ideal that drainage design should aim to achieve. The resulting 95% reduction in runoff far exceeds the minimum acceptable reduction (50%), in line with the London Plan.
- 4.32. The proposed geo-cellular tanks are proposed outside of the basement extent and below the extent of the proposed tree pits.
- 4.33. There is limited space for attenuation features to serve the proposed residential units in the north-west of the Site due to the road and pavements to be offered up for adoption. A proposed surface water sewer within the road would pick up surface water from the residential units and associated hardstanding areas and discharge into the Thames Water surface water sewer to the west. Attenuation would be provided by two offline attenuation tanks; surface water would back up into these tanks from the flow control structure prior to discharge into the public sewer.
- 4.34. Existing surface water connections into the surrounding public sewer network would be re-used where feasible, which would be determined following a CCTV survey during detailed design. Where new connections are required, these would be made to the public sewer system through a Section 106 Agreement with Thames Water, under the Water Industry Act 1991.

Water Quality

- 4.35. Appropriate treatment would be incorporated into the drainage system to ensure that the quality of water discharged is acceptable in line with the CIRIA SuDS Manual^{xi}. This would be achieved through the incorporation of green roofs, rain garden, and permeable paving sub-base storage, as demonstrated on the sitewide urban green factor drawing (Appendix K). A biomat filtration system, downstream defender, petrol interceptor and/or other hard engineered solution would also be incorporated if deemed necessary during detailed design to ensure discharge is appropriately treated. The GLA have confirmed (Appendix D) that the proposed SuDS provision is in line with their aspirations.
- 4.36. The extensive basement proposed as part of the Development includes mainly car parking. It is anticipated that any surface water within the basement would pass through a petrol interceptor prior to being pumped into the foul network; details and requirements are to be confirmed during detailed design.

Sustainable Drainage Systems Maintenance Plan

- 4.37. The on-Site drainage networks and SuDS would likely be privately managed and maintained for the lifetime of the Development, ensuring they remain fit for purpose and function appropriately. The management company / operator would be appointed post-planning.
- 4.38. The PPG sets out the requirement for developers to consider the operation, management and maintenance of all SuDS.



4.39. Post construction the on-Site management company (who would be appointed post-planning) would be responsible for the SuDS included in the scheme. Table 4 outlines what maintenance is anticipated for the proposed / potentially proposed SuDS features.

Table 4: Maintenance Plan for SuDS

SuDS and Task	Frequency
Green Roofs	
Inspect system to replace dead plants as required and ensure plants are sufficiently watered (during establishment period).	As required.
Inspect system to replace dead plants (post establishment period).	Annually (in autumn).
Remove nuisance and invasive vegetation, including weeds.	Six monthly or as required.
Inspect system to ensure substrate is not eroded and inlet / outlet drains are not blocked.	Annually or as required (after severe storms).
Rainwater Harvesting	
Inspect system for debris / blockages.	Annually or as required.
Permeable Paving	
Brushing and vacuuming.	Once a year.
Stabilise and mow contributing adjacent areas.	As required.
Removal of weeds or management using glyphosphase applied directly into the weeds.	As required.
Remediate any landscaping which, through.vegetation maintenance of soil slip, has been raised to within 50mm of the level of the paving.	As required.
Remedial work to any depressions, rutting and cracked or broken blocks considered detrimental to the structural performance or a hazard to users, and replace lost jointing material.	As required.
Rehabilitation of surface and upper substructure by remedial sweeping.	Every 10 to 15 years as required (if infiltration performance is reduced due to significant clogging).
Initial inspection.	Monthly for three months after installation.
Inspect for evidence of poor operation and / or weed growth – if required, take remedial action.	Three-monthly, 48 hours after large storms in first six months.
Inspect silt accumulation rates and establish appropriate brushing frequencies.	Annually.
Monitor inspection chambers.	Annually.



SuDS and Task	Frequency
Rain Garden	
Inspect infiltration surfaces for silting and ponding, record de-watering time of the facility and assess standing water levels in underdrain to determine if maintenance is necessary.	Quarterly.
Check operation of the underdrains by inspection of flows after rain.	Annually.
Assess plants for disease infection, poor growth, invasive species etc., an replace as necessary.	Quarterly.
Inspect inlets and outlets for blockage.	Quarterly.
Remove litter and surface debris and weeds.	Quarterly.
Repair minor accumulations of silt by raking away surface mulch, scarifying surface of medium and replacing mulch.	As required.
Remove and replace filter medium and vegetation above.	As required by likely to be > 20 years.
Attenuation Tank	
Inspect and identify any areas that are not operation correctly. If required, take remedial action.	Monthly for 3 months, then annually.
Remove debris from catchment surface, where it may cause risks to performance.	Monthly.
For systems where rainfall infiltrates into the tank from above, check surface of filter for blockage by sediment, algae or other matter, remove and replace surface infiltration medium as necessary.	Annually.
Repair/rehabilitate inlets, outlet, and overflows and vents.	As required.
Inspect/check all inlets, outlets, vents and overflows to ensure that they are in good condition and operating as designed.	Annually.
Survey inside of tank for sediment build-up and remove if necessary.	Every 5 years or as required.



5. Foul Drainage

- 5.1. The proposed foul drainage would be designed in accordance with BS EN 752 Drain and Sewer Systems Outside Buildings^{vii}, BS EN 12056 Gravity Drainage Systems Inside Buildings^{viii}, and Approved Document H of Building Regulations^{ix}.
- 5.2. It is understood that foul flows from the existing Site discharge to the Thames Water foul network in the surrounding highways. It is proposed to mimic this scenario, with new connections into the sewers on Mortlake High Street, Lower Richmond Road, Ship Lane, and Williams Lane according to the proposed building layout. The indicative connection points are shown on the drainage layout (Appendix E).
- 5.3. The existing and proposed foul discharge rates have been calculated using the water consumption method at 14.4 l/s and 24.1 l/s respectively (Appendix I).
- 5.4. It is understood from the existing onsite drainage records (Appendix C) that there are some surface water connections into the foul sewer. The proposed surface water drainage strategy will remove these connections and therefore reduce the contribution to the foul network during rainfall events. The exact reduction in surface water contribution has not been calculated as the impermeable areas contributing runoff to the foul network are yet to be verified.
- 5.5. Thames Water have previously confirmed (Appendix B) that there is capacity for the proposed surface water and foul flows. Although the scheme proposals have changed since then, the proposed flow rates have decreased for surface water and slightly increased for foul water, thus it is not anticipated that the network has sufficient capacity to serve the Development.
- 5.6. Existing connections would be re-used where feasible. Where new connections are required, these would be made to the public sewer system through an S106 Agreement with Thames Water, under the Water Industry Act 1991.



6. Impact on Existing Drainage Infrastructure

- 6.1. Easements to existing drainage infrastructure crossing the Site need to be allowed for to ensure it is not impacted upon. The Development complies with all necessary easements, and where these are not possible, appropriate diversions are proposed.
- 6.2. The 225mm diameter Thames Water foul sewer crossing the Site is proposed to be diverted as shown on the drainage plan in Appendix E. The two rising mains only service the existing uses within the Site (now redundant and dis-used) and are proposed to be abandoned as part of the Development. An easement of 4.0m is allowed for to the combined sewer along the north-eastern boundary of the Site to ensure it is not impacted upon as it conveys off-Site flows.



7. Conclusions

- 7.1. The drainage strategy outlined in this report reflects the minor changes to the plans but follows the principles of and remains in line with the 2020 strategy supported by the GLA officers and LBRuT.
- 7.2. Surface water runoff from the northeast of the Site would discharge by gravity to the River Thames (adjacent to the northern boundary of the Site) via three outfalls. As the River Thames is tidal in this location, direct discharge to the river would be unrestricted. The area to discharge into the River Thames has been maximised using shallow geo-cellular conveyance channels, in order to relieve the Thames Water network of flows. Surface water runoff from the remainder of the Site would discharge via gravity to the Thames Water sewer network in the surrounding highways, maximising the attenuation volume within each drainage catchment to restrict surface water flows as much as possible.
- 7.3. In response to comments received from LBRuT on 27 May 2022, improvements to the proposed surface water run-off rates have been made since the previously submitted drainage strategy in March 2022. Based on an area of 5.69ha currently draining into the Thames Water network, the existing discharge rate was calculated to be 812.3 l/s. The incorporation of permeable paving, rain gardens, and underground attenuation tanks achieves a reduction of surface water flows to the greenfield runoff rate of 37.4l/s, equal to a 95% reduction compared to the existing rate. This improvement in the proposed surface water run-off has been achieved by increasing the size of the below ground attenuation tanks without the need for further design changes above ground or to below ground structures.
- 7.4. Appropriate treatment would be incorporated into the drainage system to ensure that the quality of water discharged is acceptable. This would be achieved through the incorporation of green roofs, permeable paving aggregate sub-base, rain gardens, and rainwater harvesting. A biomat filtration system within the attenuation tanks and downstream defenders or similar hard engineered solution would also be incorporated if deemed necessary at detailed design to ensure discharge is appropriately treated.
- 7.5. Foul flows from the Site would discharge by gravity the Thames Water sewer network. The existing and proposed foul discharge rates have been calculated using the water consumption method at 14.4l/s and 24.1 l/s respectively.
- 7.6. The on-Site drainage networks and Sustainable Drainage Systems would be privately managed and maintained for the lifetime of the Development, ensuring they remain fit for purpose and function appropriately. The management company / operator would be appointed post-planning. The school drainage system (Application B) would be delivered and maintained separately from the Application A site.
- 7.7. This report confirms that surface water runoff from the Site (Applications A and B) can be managed sustainably to ensure that flood risk is not increased elsewhere. It is considered that the information provided within this report satisfies the requirements of the National Planning Policy Framework (NPPF), the London Plan, and the London Borough of Richmond upon Thames Local Plan.



8. References

ⁱ Ministry of Housing, Communities and Local Government, July 2021. National Planning Policy Framework.

- vii British Standards Institution, April 2008. BS EN 752:2008 Drain and Sewer Systems Outside Buildings.
- viii British Standards Institution, September 2000. BS EN 12056-2:2000 Gravity Drainage Systems Inside Buildings.
- ix HM Government, 2010. The Building Regulations 2010: H, Drainage and Waste Disposal.
- * Waterman Infrastructure & Environment Ltd, 2022. Preliminary Risk Assessment.
- xi CIRIA C753, 2015. The SuDS Manual.

ii Ministry of Housing, Communities and Local Government, June 2021. Planning Practice Guidance.

Department for Environment, Food and Rural Affairs, March 2015. Non-statutory technical standards for sustainable drainage systems.

iv Greater London Authority, March 2021. London Plan.

[∨] London Borough of Richmond upon Thames, July 2018: Local Plan As Adopted 3 July 2018 and 3 March 2020.

vi London Borough of Richmond Upon Thames, February 2015. Planning Guidance Document – Delivering SuDS in Richmond.



APPENDICES

A. Development Proposals

SQUIRE & PARTNERS

Stag Brewery

Schedule of Gross External Areas - Revised Enlarged Scheme Rev J

_			Buil	lding	1		Buil	ding 2	2	E	Buildiı	ng 3	E	Buildi	ng 4
	Building Level	Cinema	Office	Flexible Use (Café)	TOTAL	Residential (Private)	Flexible Use	Car Park	TOTAL	Residential (Private)	Car Park	TOTAL	Residential (Private)	Flexible Use	TOTAL
Ī		sq.ft	sq.ft	sq.ft	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.
	12 11 10 9 8 7 6 5 4 3 2 1 G B1 B2	4,314 9,834 6,702		1,491	9,834 6,702	1,029 16,848 20,239 20,638 20,638 20,638 20,239 13,694	6,220		1,029 16,848 20,239 20,638 20,638 20,638 20,638 20,239 21,338	8,612 10,543 10,722 10,722 10,722 9,528	2,105		1,477 1,485 6,956 6,956 6,956 6,956 5,756 2,176	967 4,780	
Ī		sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.
	Total sqf	20,850	30,523	1,491	46,162	154,601	6,220	1,424	162,245	60,849	2,105	62,954	38,718	5,747	44,465
ſ		sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m
	Total sqm	1,937	2,836	139	4,289	14,363	578	132	15,073	5,653	196	5,849	3,597	534	4,131

Stag BrewerySchedule of Gross External Areas - Revised Enlarged Scheme Rev J

		Co	mbined	Plot 1A		
Building Level	Residential (Private)	Flexible Use	Cinema	Office	Car Park	PLOT 1A TOTAL
	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.
12 11 10 9 8 7 6 5 4 3 2 1 G B1 B2	0 0 0 1,029 18,325 21,724 36,206 38,137 38,316 38,316 36,717 25,398	0 0 0 0 0 0 0 0 0 0 967 12,491	4,314 9,834 6,702	5,168 10,376 10,376 4,603	3,529 81,395	0 0 0 1,029 18,325 21,724 36,206 38,137 43,484 48,692 48,060 50,335 91,229 6,702
	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.
Total	254,168	13,458	20,850	30,523	84,924	403,923
	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m
Total	23,613	1,250	1,937	2,836	7,890	37,525

Stag BrewerySchedule of Gross External Areas - Revised Enlarged Scheme
Rev J

	Buil	lding	5	E	Building 6			Building 7			Building 8		
Flexible Use	Hotel	Office	TOTAL	Residential (Private)	Flexible Use	TOTAL	Residential (Private)	Flexible Use	TOTAL	Residential (Private)	Flexible Use	TOTAL	
sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	
9,485 4,543	3,554 5,737 6,435 5,129	4,376 12,172 2,708 3,338	7,930 17,909 18,628 13,010	3,701 8,570 8,570 8,570 3,433	5,137	3,701 8,570 8,570 8,570 8,570	457 11,922 14,334 14,654 14,654 14,654 14,334 8,860			6,497 14,884 16,388 16,374 16,374 16,374 16,254 10,746	6,000	6,497 14,884 16,388 16,374 16,374 16,374 16,254 16,746	
sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	
14,028	20,855	22,594	57,477	32,844	5,137	37,981	108,523	6,118	114,641	130,265	6,000	136,265	
1,303	sq.m 1,937	sq.m 2,099	<i>sq.m</i> 5,340	3,051	sq.m	sq.m 3,529	sq.m 10,082	sq.m 568	sq.m 10,650	sq.m	sq.m 557	sq.m 12,659	

Stag Brewery

Schedule of Gross External Areas - Revised Enlarged Scheme Rev J

13.07.22

	Combined Plot 1B											
Building Level	Residential (Private)	Flexible Use	Hotel	Office	Car Park	PLOT 1B TOTAL						
	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.						
12 11 10 9 8 7 6 5 4 3 2 1 G B1 B2	0 0 0 0 6,954 26,806 30,722 31,028 34,729 39,598 39,598 39,158 23,039 0	0 0 0 0 0 0 0 0 0 0 0 26,740 4,543	0 0 0 0 0 0 0 0 3,554 5,737 6,435 5,129	0 0 0 0 0 0 0 0 4,376 12,172 2,708 3,338	81,527	0 0 0 0 6,954 26,806 30,722 31,028 34,729 39,598 47,528 57,067 58,922 94,537						
Taket	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.						
Total	271,632	31,283	20,855	22,594	81,527	427,891						

sq.m

2,906

Total

25,235

sq.m

1,937

sq.m

2,099

sq.m

7,574

sq.m

39,752

Stag Brewery

Schedule of Gross External Areas - Revised Enlarged Scheme Rev J

E	Buildir	ng 9		Buil	ding 1	10	В	uildin	ıg 11	11 Building 12		
Residential (Private)	Flexible Use	TOTAL	Residential (Potential Affordable)	Flexible Use	Car Park	TOTAL	Residential (Private)	Flexible Use	TOTAL	Residential (Private)	Flexible Use	TOTAL
sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.
3,032 5,499 5,499 5,499 1,228	4,271	3,032 5,499 5,499 5,499 5,499	4,250 9,803 9,803 9,803 9,803 5,486	1,200		4,250 9,803 9,803 9,803 9,803 9,786	7,721 9,245 9,570 9,570 9,570 9,570 9,245 6,318	3,546		5,456 7,771 8,838 8,838 8,838 8,838 4,952	4,506	5,456 7,771 8,838 8,838 8,838 8,838 8,838 9,458
sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.
20,757	4,271	25,028	48,948	1,200	3,100	53,248	70,809	3,546	74,355	62,369	4,506	66,875
sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m
1,928	397	2,325	4,547	111	288	4,947	6,578	329	6,908	5,794	419	6,213

	Combined Plot 1C											
Building Level	Residential (Private)	Residential (Potential Affordable)	Residential (Total)	Flexible Use	Car Park	PLOT 1C TOTAL						
	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.						
12 11 10 9 8 7 6 5 4 3 2 1 G B1 B2	0 0 0 0 13,177 17,016 18,408 21,440 23,907 23,907 23,582 12,498	0 0 0 0 0 0 4,250 9,803 9,803 9,803 9,803 5,486	0 0 0 0 13,177 17,016 22,658 31,243 33,710 33,710 33,385 17,984	0 0 0 0 0 0 0 0 0 0 0 13,523	3,100 47,619	0 0 0 0 13,177 17,016 22,658 31,243 33,710 33,710 33,385 34,607 47,619						
	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.						
Total	153,935	48,948	202,883	13,523	50,719	267,125						
	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m						
Total	14,301	4,54 7	18,848	1,256	4,712	24,817						

Stag BrewerySchedule of Gross External Areas - Revised Enlarged Scheme
Rev J

Building 13		Buil	ding 14	Buile	Building 15 Bui			ilding 16 Building 17			Combined Plot 2A		
Residential (Private)	TOTAL	Residential (Private)	TOTAL	Residential (Private)	TOTAL	Residential (Private)	TOTAL	Residential (Private)	TOTAL	Building Level	Residential (Private)	Car Park	PLOT 2A TOTAL
sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.		sq.ft.	sq.ft.	sq.ft.
4,957 4,957 8,260 8,260 8,260	4,957 4,957 8,260 8,260 8,260 8,260	4,343 4,343 6,782 6,782 6,782	4,343 4,343 6,782 6,782 6,782 6,782	5,971 14,135 14,135 14,135 14,135 14,135 14,135	5,971 14,135 14,135 14,135 14,135 14,135 14,135	7,476 11,543 11,543 11,543 11,543	7,476 11,543 11,543 11,543 11,543	6,975 6,975 11,325 11,325 11,325 11,325	6,975 6,975 11,325 11,325 11,325 11,325 11,325	12 11 10 9 8 7 6 5 4 3 2 1 G B1 B2	0 0 0 0 5,971 21,110 37,886 46,303 52,045 52,045 52,045 52,045	0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 5,971 21,110 37,886 46,303 52,045 52,045 52,045 52,045 62,857
sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.		sq.ft.	sq.ft.	sq.ft.
42,954	42,954	35,814	35,814	104,916	104,916	65,191	65,191	70,575	70,575	Total	319,450	62,857	382,307
sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m		sq.m	sq.m	sq.m
3,991	3,991	3,327	3,327	9,747	9,747	6,056	6,056	6,557	6,557	Total	29,678	5,840	35,517

Stag BrewerySchedule of Gross External Areas - Revised Enlarged Scheme
Rev J

Buil	ding 18	Build	ding 19	Combined Plot 2B			
Residential (Potential Affordable)	TOTAL	Residential (Potential Affordable)	TOTAL	Building Level	Residential (Potential Affordable)	PLOT 2B TOTAL	
sq.ft.	sq.ft.	sq.ft.	sq.ft.		sq.ft.	sq.ft.	
10,362 27,921 34,221 36,741 36,741	10,362 27,921 34,221 36,741 36,741 36,741	10,087 15,804 15,804	10,087 15,804 15,804	12 11 10 9 8 7 6 5 4 3 2 1 G B1 B2	0 0 0 0 0 0 10,362 27,921 44,308 52,545 52,545 52,545	0 0 0 0 0 0 0 10,362 27,921 44,308 52,545 52,545 52,545	
sq.ft.	sq.ft.	sq.ft.	sq.ft.		sq.ft.	sq.ft.	
182,727	182,727	57,499	57,499	Total	240,226	240,226	
sq.m	sq.m	sq.m	sq.m		sq.m	sq.m	
16,976	16,976	5,342	5,342	Total	22,318	22,318	

Stag BrewerySchedule of Gross External Areas - Revised Enlarged Scheme
Rev J

Buil	Building 20 Building 2			Co	mbined	Plot 2C	Sc	hool
Residential (Private)	TOTAL	Residential (Private)	TOTAL	Building Level	Residential (Private)	PLOT 2C TOTAL	School	TOTAL
sq.ft.	sq.ft.	sq.ft.	sq.ft.		sq.ft.	sq.ft.	sq.ft.	sq.ft.
10,274 10,274 10,274	10,274	5,382 5,382 5,382	5,382 5,382 5,382	12 11 10 9 8 7 6 5 4 3 2 1 G B1 B2	15,656 15,656 15,656	15,656 15,656 15,656	1,320 39,596 41,842 40,271	1,320 39,596 41,842 40,271
sq.ft.	sq.ft.	sq.ft.	sq.ft.		sq.ft.	sq.ft.	sq.ft.	sq.ft.
30,822	30,822	16,146	16,146	Total	46,968	46,968	123,029	123,029
sq.m	sq.m	sq.m	sq.m		sq.m	sq.m	sq.m	sq.m
2,863	2,863	1,500	1,500	Total	4,363	4,363	11,430	11,430

Stag BrewerySchedule of Gross External Areas - Revised Enlarged Scheme Rev J

				C	ombined	Phases				
Building Level	Residential (Private)	Residential (Potential Affordable)	Residential (Total)	Flexible Use	Office	Hotel	Cinema	School	Car Park	GRAND TOTAL
	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.
12 11 10 9 8 7 6 5 4 3 2 1 G B1 B2	0 0 0 7,983 64,279 90,572 123,528 140,609 153,866 169,522 167,158 128,636 0	0 0 0 0 0 0 0 14,612 37,724 54,111 62,348 62,348 58,031 0	0 0 0 7,983 64,279 90,572 138,140 178,333 207,977 231,870 229,506 186,667 0	0 0 0 0 0 0 0 0 0 967 52,755 4,543	0 0 0 0 0 0 0 5,168 14,752 22,548 7,311 3,338	0 0 0 0 0 0 0 0 3,554 5,737 6,435 5,129	0 0 0 0 0 0 0 0 0 0 0 4,314 9,834 6,702	0 0 0 0 0 0 0 0 1,320 39,596 41,842 40,271 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 7 2 7 3,398	0 0 0 7,983 64,279 90,572 138,140 178,333 214,465 289,772 300,600 304,381 296,242 6,702
	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.
Total	1,046,153	289,174	1,335,327	58,265	53,117	20,855	20,850	123,029	280,027	1,891,469
	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m
Total	97,190	26,865	124,055	5,413	4,935	1,937	1,937	11,430	26,015	175,722

SQUIRE & PARTNERS

Stag Brewery

Schedule of Gross Internal Areas - Hybrid Scheme Rev J

_			Buil	lding	1		Buil	ding 2	2.		Buildi	ng 3	E	Buildi	ng 4
	Building Level	Cinema	Office	Flexible Use (Café)	TOTAL	Residential (Private)	Flexible Use	Car Park	TOTAL	Residential (Private)	Car Park	TOTAL	Residential (Private)	Flexible Use	TOTAL
ſ		sq.ft	sq.ft	sq.ft	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.
	12 11 10 9 8 7 6 5 4 3 2 1 G B1 B2	3,861 9,241 4,186		1,313	9,241 4,186	807 15,248 18,105 18,644 18,644 18,644 18,105 12,646	5,634	1,034	807 15,248 18,105 18,644 18,644 18,644 18,105 19,314	7,7.7 9,31 9,44 9,44 9,44 8,6	06 52 52 52 69 1,834		627 1,148 6,121 4,556 6,121 6,121 5,203 1,887	810 4,226	6,113
		sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.
	Total sqf	17,288	27,675	1,313	46,276	139,487	5,634	1,034	146,155	54,05	5 1,834	55,889	31,784	5,036	36,820
ſ		ca m	cam	cam	cam	ca m	cam	ca m	ca m	60.0	60.00	ca m	ca m	ca m	ca m
	Total sqm	1,606	2,571	122	<i>sq.m</i> 4,299	12,959	523	96	<i>sq.m</i> 13,578	5,022		5,192	2,953	468	sq.m 3,421

	Combined Plot 1A												
Building Level	Residential (Private)	Flexible Use	Cinema	Office	Car Park	PLOT 1A TOTAL							
	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.							
12 11 10 9 8 7 6 5 4 3 2 1 G B1 B2	0 0 0 0 807 15,875 19,253 32,509 32,506 34,227 34,227 32,770 23,152	0 0 0 0 0 0 0 0 0 0 810 11,173	3,861 9,241 4,186	5,126 9,241 9,241 4,067	2,868 79,433	0 0 0 0 0 807 15,875 19,253 32,509 32,506 39,353 43,468 42,821 45,121 88,674 4,186							
	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.							
Total	225,326	11,983	17,288	27,675	82,301	364,573							
Total	20,933	1,113	1,606	2,571	<i>sq.m</i> 7,646	33,870							

		Buil	lding	5	Е	Buildi	ng 6	Building 7				В	uildin	g 8	
		Hotel	Office	TOTAL	Residential (Private)	Flexible Use	TOTAL		Residential (Private)	Flexible Use	TOTAL		 Residential (Private)	Flexible Use	TOTAL
Si	q.ft.		sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.		sq.ft.	sq.ft.	sq.ft.	5	g.ft.	sq.ft.	sq.ft.
	3,663 4,114	3,108 5,211 6,046 4,633	3,781 11,134 2,525 2,974	6,889 16,345 17,234 11,721	3,132 7,582 7,582 7,582 3,175	4,407	3,132 7,582 7,582 7,582 7,582		310 10,776 12,729 13,136 13,136 13,136 12,729 8,155	5,439	310 10,776 12,729 13,136 13,136 13,136 12,729 13,594		5,759 13,321 14,769 14,769 14,769 14,769 14,636 9,934	5,211	5,759 13,321 14,769 14,769 14,769 14,769 14,636 15,145
Si	q.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	\vdash	sq.ft.	sq.ft.	sq.ft.	5	sq.ft.	sq.ft.	sq.ft.
12	,777	18,998	20,414	52,189	29,053	4,407	33,460		97,243	5,439	102,682	11	7,495	5,211	122,706
S	q.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m		sq.m	sq.m	sq.m	5	sq.m	sq.m	sq.m
1,	187	1,765	1,897	4,848	2,699	409	3,109		9,034	505	9,539	10	0,916	484	11,400

Stag Brewery

Schedule of Gross Internal Areas - Hybrid Scheme Rev J

		Со	mbined	Plot 1B		
Building Level	Residential (Private)	Flexible Use	Hotel	Office	Car Park	PLOT 1B TOTAL
	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.
12 11 10 9 8 7 6 5 4 3 2 1 G B1 B2	0 0 0 0 6,069 24,097 27,498 27,905 31,037 35,487 35,487 34,947 21,264 0	23,720 4,114	3,108 5,211 6,046 4,633	3,781 11,134 2,525 2,974	79,433	0 0 0 6,069 24,097 27,498 27,905 31,037 35,487 42,376 51,292 53,555 91,154
	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.
Total	243,791	27,834	18,998	20,414	79,433	390,470
	ca m	ca m	sa m	sa m	ca m	ca m
Total	sq.m 22,649	2,586	sq.m 1,765	sq.m 1,897	7,380	sq.m 36,276

Stag Brewery

Schedule of Gross Internal Areas - Hybrid Scheme Rev J

13.07.22

В	uildir	ng 9		Buil	ding 1	10	В	uildin	g 11	В	uildin	ıg 12		Combined Plot 1C					
Residential (Private)	Flexible Use	TOTAL	Residential (Potential Affordable)	Flexible Use	Car Park	TOTAL	Residential (Private)	Flexible Use	TOTAL	Residential (Private)	Flexible Use	TOTAL		Building Level	Residential (Private)	Residential (Potential Affordable)	Residential (Total)	Flexible Use	Car Park
sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.			sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.
2,449 4,850 4,850 4,850 1,165	3,685	2,449 4,850 4,850 4,850 4,850	3,496 8,749 8,749 8,749 8,749 4,867	1,045	2,831	3,496 8,749 8,749 8,749 8,749 8,743	6,822 8,074 8,349 8,349 8,349 8,074 5,846	3,017	6,822 8,074 8,349 8,349 8,349 8,074 8,863	4,914 6,849 7,632 7,632 7,632 7,632 4,532		4,914 6,849 7,632 7,632 7,632 7,632 8,463	ΔL	12 11 10 9 8 7 6 5 4 3 2 1 G B1 B2	0 0 0 0 11,736 14,923 15,981 18,430 20,831 20,831 20,556 11,543	0 0 0 0 0 0 0 3,496 8,749 8,749 8,749 4,867	0 0 0 0 11,736 14,923 19,477 27,179 29,580 29,580 29,305 16,410	11,678	2,831 45,104
sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.			sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.
18,164	3,685	21,849	43,359	1,045	2,831	47,235	62,212	3,017	65,229	54,455	3,931	58,386		Total	134,831	43,359	178,190	11,678	47,935
sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m			sq.m	sq.m	sq.m	sq.m	sq.m
1,687	342	2,030	4,028	97	263	4,388	5,780	280	6,060	5,059	365	5,424		Total	12,526	4,028	16,554	1,085	4,453

PLOT 1C TOTAL

sq.ft.

0 11,736 14,923 19,477 27,179 29,580 29,580 29,305

30,919 45,104

sq.ft.

237,803

sq.m

22,092

Buil	ding 13	Buil	ding 14	Build	ding 15				Combi	ned Plot	2 A		
Residential (Private)	TOTAL	Residential (Private)	TOTAL	Residential (Private)	TOTAL	Residential (Private)	TOTAL	Residential (Private)	TOTAL	Building Level	Residential (Private)	Car Park	PLOT 2A TOTAL
sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.		sq.ft.	sq.ft.	sq.ft.
4,371 4,371 7,462 7,462 7,462 7,462	4,371 4,371 7,462 7,462 7,462 7,462	3,783 3,783 6,203 6,203 6,203	3,783 3,783 6,203 6,203 6,203 6,203	5,116 12,958 12,958 12,958 12,958 12,958 12,958	5,116 12,958 12,958 12,958 12,958 12,958 12,958 12,958	6,725 10,531 10,531 10,531 10,531	6,725 10,531 10,531 10,531 10,531 10,531	6,314 6,314 10,328 10,328 10,328 10,328	6,314 10,328 10,328 10,328 10,328 10,328	12 11 10 9 8 7 6 5 4 3 2 1 G B1 B2	0 0 0 0 0 5,116 19,272 34,151 41,971 47,482 47,482 47,482 47,482	0 0 0 0 0 0 0 0 0 0 0 59,543	0 0 0 0 5,116 19,272 34,151 41,971 47,482 47,482 47,482 47,482 59,543
sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.		sq.ft.	sq.ft.	sq.ft.
38,590	38,590	32,378	32,378	95,822	95,822	59,380	59,380	64,268	64,268	Total	290,438	59,543	349,981
sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m		sq.m	sq.m	sq.m
3,585	3,585	3,008	3,008	8,902	8,902	5,517	5,517	5,971	5,971	Total	26,982	5,532	32,514

Buil	ding 18	Buile	ding 19		Co	mbined l	Plot 2B
Residential (Potential Affordable)	TOTAL	Residential (Potential Affordable)	TOTAL		Building Level	Residential (Potential Affordable)	PLOT 2B TOTAL
sq.ft.	sq.ft.	sq.ft.	sq.ft.			sq.ft.	sq.ft.
9,310 25,403 31,467 34,080 34,080	25,403 31,467 34,080 34,080	8,944 14,515 14,515 14,515	14,515 14,515		12 11 10 9 8 7 6 5 4 3 2 1 G B1 B2	0 0 0 0 0 0 0 9,310 25,403 40,411 48,595 48,595	0 0 0 0 0 0 0 9,310 25,403 40,411 48,595 48,595 48,595
sq.ft.	sq.ft.	sq.ft.	sq.ft.]		sq.ft.	sq.ft.
168,420	168,420	52,489	52,489		Total	220,909	220,909
sq.m	sq.m	sq.m	sq.m	1		sq.m	sq.m
15,647	15,647	4,876	4,876		Total	20,523	20,523

Buil	ding 20	Buil	Building 21		mbined	Plot 2C	School	
Residential (Private)	TOTAL	Residential (Private)	TOTAL	Building Level	Residential (Private)	PLOT 2C TOTAL	School	TOTAL
sq.ft.	sq.ft.	sq.ft.	sq.ft.		sq.ft.	sq.ft.	sq.ft.	sq.ft.
8,817 8,817 8,817	8,817	4,561 4,561 4,561	4,561 4,561 4,561	12 11 10 9 8 7 6 5 4 3 2 1 G B1 B2	13,378 13,378 13,378	13,378 13,378 13,378	813 26,312 34,967 38,219	26,312
sq.ft.	sq.ft.	sq.ft.	sq.ft.		sq.ft.	sq.ft.	sq.ft.	sq.ft.
26,451	26,451	13,683	13,683	Total	40,134	40,134	100,311	100,311
sq.m	sq.m	sq.m	sq.m		sq.m	sq.m	sq.m	sq.m
2,457	2,457	1,271	1,271	Total	3,729	3,729	9,319	9,319

				Co	mbined	Phases				
Building Level	Residential (Private)	Residential (Potential Affordable)	Residential (Total)	Flexible Use	Office	Hotel	Cinema	School	Car Park	GRAND TOTAL
	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.
12 11 10 9 8 7 6 5 4 3 2 1 G B1 B2	0 0 0 0 6,876 56,824 80,946 110,546 123,944 138,027 151,405 149,133 116,819 0	0 0 0 0 0 0 0 12,806 34,152 49,160 57,344 57,344 53,462	0 0 0 0 6,876 56,824 80,946 123,352 158,096 187,187 208,749 206,477 170,281 0	0 0 0 0 0 0 0 0 0 810 46,571 4,114 0	0 0 0 0 0 0 0 0 5,126 13,022 20,375 6,592 2,974 0	0 0 0 0 0 0 0 0 0 3,108 5,211 6,046 4,633 0	0 0 0 0 0 0 0 0 0 0 0 3,861 9,241 4,186	0 0 0 0 0 0 0 0 813 26,312 34,967 38,219 0	0 0 0 0 0 0 0 0 0 0 0 5,699 263,513 0	0 0 0 0 6,876 56,824 80,946 123,352 158,096 193,126 251,191 267,840 277,269 284,475 4,186
	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.	sq.ft.
Total	934,520	264,268	1,198,788	51,495	48,089	18,998	17,288	100,311	269,212	1,704,181
	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m	sq.m
Total	86,819	24,551	111,370	4,784	4,468	1,765	1,606	9,319	25,010	158,322



SQUIRE & PARTNERS

Stag Brewery Schedule of (Residential) NSA - Hybrid Scheme Rev J

13.07.22

																Вι	ıildir	ng 2	(Pri	vate	<u>.</u>]											·		
	1		2		3	,	4	,	5		6			,	F:		nit No		1	0	1	1	12	2	13	2	1	4	15		10	4	TOTALS	TOTALS
		NSA	2 <u>s</u>	NSA		NSA		NSA		NSA		NSA		NSA		NSA		1		0 NSA				NSA		NSA		NSA		NSA		NSA		
	Beds	sq.m.	Beds	sq.m.	Beds	sq.m.	Beds	sq.m.	Beds	sq.m.	Beds	sq.m.	Beds	sq.m.	Beds	sq.m.	Beds	NSA sq.m.	Beds	sq.m.	Beds	NSA sq.m.	Beds	sq.m.	Beds	sq.m.	Beds	sq.m.	Beds	sq.m.	Beds	sq.m.	NSA sq.m.	NSA sq.ft.
12 11 10 9 8 7 6 5 4 3 2 1 G B1 B2	2B4P 3B6P 3B6P 3B6P 3B6P 3B6P 1B2P	102 110 110 110 110 110	2B3P 3B6P 3B6P 3B6P 3B6P 3B6P 1B2P	103 109 109 109 109 103	182P 182P 182P 182P 182P 182P 182P 284P	63 62 66 66 66 62 100	1B2P 2B3P 2B3P 2B3P 2B3P 2B3P 1B2P	544 822 85 85 85 85 82 54	2B3P 2B3P 2B3P 2B3P 2B3P	128 65 68 68 68 65 104	3B6P 3B6P 3B6P	120 120 120 120 120 120	2B4P 2B4P	94 94 94 94 94	1B2P 2B4P 2B4P 2B4P 2B4P 2B4P 2B4P	54 77 79 79 79 77 99	2B3P 2B3P 2B3P 2B3P 2B3P	67 68 68 68 68	2B4P 2B4P 2B4P 2B4P	67 70 70 70 70	3B6P 3B6P 3B6P 3B6P	87 110 115 115 115 110	2B4P 2B4P 2B4P 2B4P 2B4P	56 91 99 99 99 91	3B6P 3B6P 3B6P 3B6P 3B6P	117 117 117 117 117	2B3P 2B3P 2B3P	66 69 69 69	2B4P 2B4P 2B4P 2B4P 2B4P 2B4P	89 89 89 89	1B2P 1B2P 1B2P 1B2P 1B2P	63 66 66 66 66 63	82 1,120 1,372 1,424 1,424 1,424 1,372 637	12,056 14,768 15,328 15,328 15,328 15,328 14,768 6,857
UNITS																																	TOTAL	
Studio 1B2P	1		0 1		7		2		0		0		<u>0</u> 1		<u>0</u> 1		0 1		0		0		<u>0</u>		<u>0</u> 1		0		0		0 6		0 22	Studio 1B2P
2B3P	0		1		Ó		6		6		0		0		Ö		6		2		Ö		Ö		0		6		0		0		27	2B3P
2B4P	1		0		1		0		1		1		7		7		0		4		1		6		0		1		6		0			2B4P
3B4P 3B5P	0		0		0		0		0		0		<u> </u>		0		0		0		0		0		0		0		<u> </u>		0		<u> </u>	3B4P 3B5P
3B6P	6		6		0		0		1		7		0		0		0		1		6		0		6		0		0		0			3B6P
4B7P	0		0		0		0		0		0		0		0		0		0		0		0		0		0		0		0			4B7P
4B8P	0		0		0		0		0		0		0		0		0		0		0		0		0		0		0		0			4B8P
3 Bed (H) 4 Bed (H)	0		0		0		0		0		0		0		0		0		0		0		0		0		0		0		0		0	4 Bed (H)
<u> </u>		· ·								U .																		U					118	



Areas are approximate only and subject to change through rights of light considerations, planning, design and development

Areas are subject to co-ordination with technical design team

Development Area 2 is applied for in outline and therefore the unit NSA areas are subject to change through detailed design and the submission of subsequent reserved matters applications

								E	Buil	ldir	ng 3	(Pri	vate)											Βι	ıildi	ng 4	(Pr	ivate	<u>:</u>]					
				1		1		Flat		t No					Ι .				TOTALS	TOTALS			1		Flat/U				1		TOTALS	TOTALS	Com	bined Pl	ot 1A
5	1	<i>s</i>	1		3		4	. "	5 n .	NG A	<i>6</i>		<i>y</i>	1	<i>د</i> س		9				y	1		?	1	3		4 Tuca		5		+	Building		
Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NS/ sq.n	Deds	NS/ sq.n		S S	NSA iq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	NSA sq.m.	NSA sq.ft.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	NSA sq.m.	NSA sq.ft.	Level	NSA sq.m.	NSA sq.ft.
3B5P 3B6P 3B6P 3B6P 2B3P	97 97 97 97	2B3P 3B6P 3B6P 3B6P 2B4P	99	2B3P	6 7 7 7	6 2B3 9 1B2 4 2B3 4 2B3 3 2B3 4 1B2	P 7 P 7 P 7	38 2B 3B	15P 15P 15P 15P	109 109 109	2B4P 2B3P 2B3P 2B3P 2B3P	90 65 65 65 65	182P 182P 182P 182P 182P	67 54 54 54 54	2B3P 2B3P	71 75 75 75	2B3P 2B3P	70 74 74 74	574 708 726 725 411	6,178 7,621 7,815 7,815 7,804 4,424	2B4P 2B3P 3B6P 2B3P	48 79	2B4P	70 96 96	284P 386P 284P 284P	69 94 94	2B4P 3B6P 2B4P 2B4P	62 92 92	3B6P	60 89 89	30 45 45	3 786 0 4,844 9 3,326 0 4,844 1 4,855 1 3,993	12 11 10 9 8 7 6 5 4 3 2 1 0 B1 B2	0 0 0 82 1,151 1,445 2,448 2,441 2,600 2,601 2,468 1,048 0	0 0 0 883 12,389 15,554 26,350 26,275 27,986 27,997 26,565 11,281 0
																			TOTAL												TOTAL		7	OTAL PLOT 1	A
0		0		0		0		_	0		0		0		0		0		0	Studio	0		0		0		0		0		0	Studio		Studio	0
1		0 1		4		4		1		+	<u>0</u> 4		5 0		0 4		0 4		<u>8</u> 23	1B2P 2B3P	2		0		0		0		0		2	1B2P 2B3P	-	1B2P 2B3P	30 52
0		1		1		0		1			1		0		0		0			2B4P	1		3		3		3		3		13	2B4P		2B4P	
0		0		0		0		(0		0		0		0		0		0	3B4P	0		0		0		0		0		0	3B4P		3B4P	0
1		0		0		0		_	4		0		0		0		0]		3B5P	0		0		0		0		0		0	3B5P		3B5P	
4		4		0		0		_	0		0		0		0		0			3B6P	1		1		1		1		1		5	3B6P		3B6P	
0		0		0		0		_	0		0		0		0		0			4B7P	0		0		0		0		0		0	4B7P		4B7P	_
0		0		0		0		+ (0		0		0		0		0		0	4B8P	0		0		0		0		0		0	4B8P		4B8P	0
0		0		0		0		-	0		0		0		0		0		0	4 Bed (H)	0		0		0		0		0		0	4 Bed (H)		4 Bed (H)	0
											-		-						48												20			· · ·	186

					Bu	ildi	ng 6	(Pri	vate)				
				F	lat/Ur	nit No).						TOTALS	TOTALS
1	2		3		4		5		6		7	,	_	
NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	NSA sq.m.	NSA sq.ft.
1B2P 51 2B4P 71 2B4P 71 2B4P 71	2B4P 3B6P 3B6P 3B6P	74 102 102 102	2B4P 3B6P 3B6P 3B6P	95 101 101 101	2B4P 2B4P 2B4P	72	2B3P 2B3P 2B3P	85 85 85	1B2P 1B2P 1B2P	52 52 52	2B4P 2B4P 2B4P	79 79 79	220 562 562 562	2,368 6,049 6,049 6,049
													TOTAL	
0	0		0		0		0		0		0		0	Studio
0	0		0		0		3		3 0		0		3	1B2P 2B3P
3	1		1		3		0		0		3		11	2B4P
0	0		0		0		0		0		0		0	3B4P
0	0		0		0		0		0		0		0	3B5P
0	3		3		0		0		0		0		6	3B6P
0	0		0		0		0		0		0			4B7P
0	0		0		0		0		0		0		0	4B8P
0	0		0		0		0		0		0		0 24	4 Bed (H)

											Βι	ıildir	ıg 7	(Pri	vate	J									
	1	2	,	3	,	4		5		F !		nit No.	1	8		9		11	7	11	,	12	2	TOTALS	TOTALS
Beds	NSA	Beds	NSA	Beds	NSA	Beds	NSA	Beds	NSA	Beds	NSA	Beds	NSA	Beds	NSA	Beds	NSA	Beds	NSA	Beds	NSA	Beds	NSA	NSA sq.m.	NSA sq.ft.
3B5P 3B6P 3B6P 3B6P 3B6P 2B3P	114 106	2B3P 3B6P 3B6P 3B6P 3B6P 2B4P	73 107 115 115 115 107 82	1B2P 2B3P 2B4P 2B4P 2B4P 2B4P 2B3P	51 71 75 75 75 75 71 85	1B2P 2B4P 2B4P 2B4P 2B4P	666 833 855 85 85 85 85 84 84		59 84 89 89 89 84		27 102 54 54 54 54 54	1B2P 2B3P 2B3P 2B3P 2B3P 2B3P	57 66 68 68 68 68			1B2P 1B2P 1B2P 1B2P 1B2P 1B2P	50 51 51 51 51 51		666 80 84 84 84 84 80	3B5P	866 81 85 85 85 85 81	2B3P 2B3P 2B3P 2B3P 2B3P	64 69 69 69 64	27 763 945 987 987 987 987 945 320	10,172 10,624 10,624 10,624 10,624
																								6,948	74,788
0		0		0		0		0		0		0		0		0		0		0		0		TOTAL 0	Studio
0		0		1		2		1		6		1		1		7		0		0		0		19	1B2P
1		1		2		0		0		0		6		0		0		1		0		6		17	2B3P
0		1		5		6		6		0		0		0		0		6		6		0			2B4P
0		0		0		0		0		0		0		0		0		0		0		0		0	3B4P
1		0		0		0		0		1		0		6		0		0		1		0			3B5P
6		6		0		0		0		0		0		0		0		0		0		0			3B6P
0		0		0		0		0		0		0		0		0		0		0		0		0	4B7P
0		0		0		0		0		0		0		0		0		0		0		0		0	4B8P
0		0		0		0		0		0		0		0		0		0		0		0		0	4 Bed (H)
																								87	

												Bu	ildi	ng 8	(Pri	vate)													
				T							F	lat/Ur	nit No).												TOTALS	TOTALS	Plot '	1B Pri	vate
1		2		3	3	4	í	5	,	6	ī	7	•	٤	3	,	7	10	7	1	1	1	2	1.	3	_				
Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	NSA sq.m.	NSA sq.ft.	Building Level	NSA sq.m.	NSA sq.ft.
1B2P 3B6P 3B6P 3B6P 3B6P 3B6P 1B2P	88 94 99 99 99 99 94 51	3B5P 3B6P 3B6P 3B6P 3B6P 3B6P	88 94 102 102 102 102 102 94 89	1B2P 1B2P 1B2P 1B2P 1B2P 1B2P	50 50	3B5P 2B4P 2B4P 2B4P 2B4P 2B4P 3B5P	118 116 116 116 116 120	284P 182P 182P 182P 182P 182P 284P	57 58 58 58 58 58	1B2P 2B4P 2B4P 2B4P 2B4P 2B4P 2B4P	65 80 81 81 81 80 71	1B2P 2B4P 2B4P 2B4P 2B4P 2B4P	71 71 71 71	2B4P 2B4P 2B4P 2B4P	71 71	2B3P 2B3P 2B3P	77 65 68 68 68 65	1B2P 2B3P 2B3P 2B3P 2B3P	84 61 65 65 65 62	2B4P 4B7P 3B5P 3B5P 3B5P 4B7P	94 135 100 100 100 139	2B4P 3B6P 3B6P 3B6P 3B6P	96 126 126 126 126	3B5P 3B5P 3B5P 3B5P 3B5P	106 106 106 106 98	440 997 1,111 1,113 1,113 1,113 1,097 451	10,732 11,959 11,980 11,980 11,980 11,980 11,808 4,855	9 8 7 6 5 4 3 2 1 0 B1 B2	0 0 0 0 0 467 1,760 2,056 2,100 2,320 2,662 2,604 771 0 0	0 5,027 18,944 22,131 22,604 24,972 28,654 28,029 8,299 0
																										TOTAL		PLO	T 1B PRIV	
0		0		0		0		0		0		0		0		0		0		0		0		0			Studio		Studio	
0		1 0		7		0		6		1 0		1 0		1 0		7		2 4		0		0		0		22 12	1B2P 2B3P		1B2P 2B3P	
0		1		0		5		2		7		6		6		0		1		1		2		0			2B4P		2B4P	
0		0		0		0		0		0		0		0		0		0		0		0		0			3B4P		3B4P	
0		1		0		2		0		0		0		0		0		0		4		1		6		14	3B5P		3B5P	23
7		6		1		1		0		0		0		0		0		0		0		4		0		19	3B6P		3B6P	37
0		0		0		0		0		0		0		0		0		0		2		0		0			4B7P		4B7P	
0		0		0		0		0		0		0		0		0		0		0		0		0		0	4B8P		4B8P	0
0		0		0		0		0		0		0		0		0		0		0		0		0		0 100	4 Bed (H)		4 Bed (H)	0 211

			В	uildi	ng 9	(Pri	ivate	e)								В	uild	ing 1	0 (F	oter	ntial	Affo	orda	ıble)					
		ı		nit No		T .		TOTALS	TOTALS									lat/Ur		Γ		T		1				TOTALS	TOTALS
1	1	2		3	?	4				1		2		3	'	4		5		ć	<u>, </u>		7	٤	}	9	,		
Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	NSA sq.m.	NSA sq.ft.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	NSA sq.m.	NSA sq.ft.
4B7P 2B3P 2B3P 2B3P	88 88	4B7P 4B7P	117	3B6P 3B6P 3B6P	94 94 94		73 73 73	170 372 372 372	1,830 4,004 4,004 4,004	2B4P 1B2P 1B2P 1B2P	73 50 50 50 50	1B2P 1B2P 1B2P 1B2P 1B2P	50 50 50	1B2P 1B2P 1B2P 1B2P 1B2P	52 52	1B2P 1B2P 1B2P 1B2P	50 50 50 50	2B4P 2B4P	86 86 86 86	1B2P 1B2P	50 50 50 50	2B4P	71 71	2B4P 2B4P 2B4P 2B4P	70 70 70	2B4P 2B4P	87 87 87 87	176 566 566 566 566	6,092 6,092 6,092 6,092
								TOTAL														1						TOTAL	
0		0		0	-	0			Studio	0	-	0		0		0		0	-	0		0		0		0			Studio
3		0		0		0			1B2P 2B3P	0		5 0		<u>5</u> 0		<u>4</u> 0		0		4 0		0		0		0		22 0	1B2P 2B3P
0		0		0		3			2B4P	1		0		0		0		4		0		4		4		4			2B4P
0		0		0		0			3B4P	0		0		0		0		0		0		0		0		0			3B4P
0		0		0		0		0	3B5P	0		0		0		0		0		0		0		0		0			3B5P
0		0		3		0		3	3B6P	0		0		0		0		0		0		0		0		0		0	3B6P
1		3		0		0		4	4B7P	0		0		0		0		0		0		0		0		0			4B7P
0		0		0		0		0	4B8P	0		0		0		0		0		0		0		0		0		0	4B8P
0		0		0		0		0 13	4 Bed (H)	0		0		0		0		0		0		0		0		0		0 39	4 Bed (H)

						Bui	ldin	ıg 11	(Pr	ivate	<u>:</u>]				
					F	lat/Ur	nit No).						TOTALS	TOTALS
1	,	2		3		4		5	,	6		7		L	_
Beds	NSA sq.m.	Spegs	NSA sq.m.	Spegs	NSA sq.m.	Spegs	NSA sq.m.	Spegs	NSA sq.m.	Beds	NSA sq.m.	Spegs	NSA sq.m.	NSA sq.m.	NSA sq.ft.
3B6P 3B6P 3B6P 3B6P 3B6P 3B6P 1B2P	108 110 117 117 117 110 59	3B6P 3B6P 3B6P 3B6P 3B6P	89 109 116 116 116 116 109 63	1B2P 2B4P 2B4P 2B4P 2B4P 2B4P 2B4P	70 80 83 83 83 80 91	4B7P 3B6P 3B6P 3B6P 3B6P 3B6P 1B2P	148 103 109 109 109 103 56	2B4P 2B4P 2B4P 2B4P 2B4P 2B4P 1B2P	101 87 89 89 89 87 61	2B4P 2B4P 2B4P 2B4P 2B4P	75 83 83 83 83 75	1B2P 1B2P 1B2P 1B2P 1B2P	56 60 60 60 56	516 620 657 657 657 620 330	5,554 6,674 7,072 7,072 7,072 6,674 3,552

							TOTAL	
0	0	0	0	0	0	0	0	Studio
1	1	1	1	1	0	6	11	1B2P
0	0	0	0	0	0	0	0	2B3P
0	1	7	0	7	6	0	21	2B4P
0	0	0	0	0	0	0	0	3B4P
0	0	0	0	0	0	0	0	3B5P
7	6	0	6	0	0	0	19	3B6P
0	0	0	1	0	0	0	1	4B7P
0	0	0	0	0	0	0	0	4B8P
0	0	0	0	0	0	0	0	4 Bed (H)
			•	•			52	

						В	ıildi	ng 1	2 (P	rivat	e)			1													
		Γ				Flat/l	Jnit N	0.		T		Г		TOTALS	TOTALS	Plot	1C Pr	ivate		1C Pot forda	ential ble	Comb	ined F	Plot 1C	Coml	oined P	nase 1
	1	2	,		3		4		5	ć	5	7	7	•													
Beds	NSA sq.m.	Beds	NSA sq.m		NS/ sq.m	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	NSA sq.m.	NSA sq.ft.	Building Level	NSA sq.m.	NSA sq.ft.	Building Level	NSA sq.m.	NSA sq.ft.	Building Level	NSA sq.m	. NSA sq.ft.	Building Level	NSA sq.m.	NSA sq.ft.
2B4P 1B2P 2B3P 2B3P 2B3P 2B3P 2B4P	54 71 71 71 71 71	2B3P 3B5P 3B6P 3B6P 3B6P 3B6P 1B2P	77 97 111 111 111 111 65	2B3F 2B3F 2B3F 2B3F 2B3F 2B3F	6 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7.	1 2B4I 2 2B4I 2 2B4I 2 2B4I	83 83 83 83 83 83 83 83	1B2F 2B4F 2B4F 2B4F	74 74 74 74 74	2B4P 2B4P 2B4P 2B4P 2B4P	83 83 83 83	284P 284P 284P 284P 284P 284P	78 81 81 81 81		6,189 6,189 6,189	12 11 10 9 8 7 6 5 4 3 2 1 0 B1 B2	0 0 0 0 0 854 1,121 1,232 1,402 1,604 1,604 1,567 510 0	0 0 0 0 0 9,192 12,066 13,261 15,091 17,265 17,265 16,867 5,490 0	12 11 10 9 8 7 6 5 4 3 2 1 0 B1 B2	0 0 0 0 0 0 176 566 566 566 566 0 0	0 0 0 0 0 0 1,894 6,092 6,092 6,092 0 0	12 11 10 9 8 7 6 5 4 3 2 1 0 B1	0 0 0 0 0 854 1,121 1,408 1,968 2,170 2,170 2,133 510 0	0 0 0 0 9,192 12,066 15,156 21,183 23,358 23,358 22,959 5,490 0	12 11 10 9 8 7 6 5 4 3 2 1 0 B1 B2	0 0 0 0 549 3,765 4,622 5,956 6,729 7,432 7,433 7,205 2,329 0	5,909 40,526 49,751 64,110 72,430 79,997 80,008 77,554 25,069
0 1 5 2 0 0 0		0 1 1 0 0 1 5 0		0 1 5 1 0 0		0 0 0 0 6 0 0		0 1 0 5 0 0		0 0 0 0 6 0 0		0 0 0 6 0 0		4 11 26 0 1 6	41,915 Studio 1B2P 2B3P 2B4P 3B4P 3B5P 3B6P 4B7P 4B8P	PL	9,894 OT 1C PRI Studio 1B2P 2B3P 2B4P 3B4P 3B5P 3B6P 4B7P 4B8P	VATE 0 15 14 50 0 1 1 28 5	PLOT	2,440 1C AFFOR Studio 1B2P 2B3P 2B4P 3B4P 3B5P 3B6P 4B7P 4B8P	DABLE 0 22 0 17 0 0 0 0 0	T(12,334 OTAL PLOT Studio 1B2P 2B3P 2B4P 3B5P 3B6P 4B7P 4B8P	11C 0 37 14 67 0 0 1 1 28 5 5	T	46,020 OTAL PHASE Studio 1B2P 2B3P 2B4P 3B4P 3B5P 3B6P 4B7P 4B8P	495,355 1 0 112 98 192 0 29 111 7 0
0		0		0		0		0		0		0		0 48	4 Bed (H)		4 Bed (H)	0 113		4 Bed (H)	0 39		4 Bed (H)	0 152		4 Bed (H)	0 549

1	1	2		3		4		lat/Ur).		7	,	8	2	9		TOTALS	TOTALS
sp:	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	speg	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	NSA sq.m.	NSA sq.ft.
	70 70		50 50 83 83 76	1B2P 1B2P 1B2P 1B2P 1B2P 2B3P	53 53 51 51 51 66	2B4P 2B4P 1B2P 1B2P 1B2P	81 81 50 50 50 66	1B2P 1B2P	50 50 50 66	2B4P 2B4P 2B4P 1B2P	85 85 85 62	2B4P 2B4P 2B4P 2B3P	71 71 71 69	S S S	51 51 51	2B4P 2B4P 2B4P	70 70 70	337 337 581 581 473	3,627 3,627 6,254 6,254 5,091
0		0		0		0		0		0		0		3		0		TOTAL 3	Studio
0		2		5		4		4		1		0		0		0			1B2P 2B3P
3		<u>0</u> 4		1 0		2		0		3		3		0		3			2B3P 2B4P
0		0		0		0		0		0		0		0		0			3B4P
0		0		0		0		0		0		0		0		0		0	3B5P
2		0		0		0		0		0		0		0		0			3B6P
0		0		0		0		0		0		0		0		0			4B7P
0		0		0		0		0		0		0		0		0		0	4B8P
0		0		0		0		0		0		0		0		0		0	4 Bed (H)
				-				-				-		-				42	

284P							Bu	ildiı	ng 14	(Pr	ivat	e)				
NSA SB NSA NSA SB NSA NSA						F	lat/Ur	nit No).						rotals	FOTALS
ZB4P 73 ZB3P 69 ZB4P 77 ZB4P 73 ZB4P 73 ZB4P 74 ZB4P 75 ZB4P 76 ZB4P 77 ZB4P ZB4P 77 ZB4P 77	1		2		3		4		5		6		7	•		
284P 73 283P 69 284P 71 284P 73 284P 74 284P 75 284P 76 284P 87 284P	Beds		Beds		Beds		Beds		Beds		Beds		Beds		NSA sq.m.	NSA sq.ft.
0 0 0 0 0 0 0 Studio 0 3 0 1 1 3 0 8 1B2P 0 2 0 0 0 0 0 2 2B3P 5 0 6 5 3 0 3 22 2B4P 0 0 0 0 0 0 0 3B4P 1 1 0 0 0 0 0 2 3B5P 0 0 0 0 0 0 0 3B6P 0 0 0 0 0 0 0 4B7P 0 0 0 0 0 0 0 4B8P	2B4P 2B4P 2B4P 2B4P	73 76 76 76	2B3P 1B2P 1B2P 1B2P	69 51 51 51	2B4P 2B4P 2B4P 2B4P	71 76 76 76	2B4P 2B4P 2B4P 2B4P	73 76 76 76	2B4P 2B4P 2B4P	81 81	1B2P	50	2B4P	74	286 484 484 484 354	3,078 3,078 5,210 5,210 3,810
0 3 0 1 1 3 0 8 1B2P 0 2 0 0 0 0 0 2 2B3P 5 0 6 5 3 0 3 22 2B4P 0 0 0 0 0 0 0 3B4P 1 1 0 0 0 0 0 2 3B5P 0 0 0 0 0 0 0 3B6P 0 0 0 0 0 0 0 4B7P 0 0 0 0 0 0 0 4B8P	0		0		0		0		0		0		0			Studio
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0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 5tudio 1 8 7 7 7 7 6 1 1 6 7 6 7 6 6 0 83 182P 0 0 0 0 0 1 0 0 0 0 0 0 2 283P 6 0 <	284P 284P 284P 284P 284P 284P	84 84 84 84 84	1B2P 1B2P 1B2P 1B2P 1B2P 1B2P	55 55 55 55 55 55	1B2P 1B2P 1B2P 1B2P 1B2P 1B2P	55 55 55 55 55 55	1B2P 1B2P 1B2P 1B2P 1B2P	59 59 59 59 59 59	1B2P 1B2P 1B2P 1B2P 1B2P	58 58 58 58 58	1B2P 1B2P 1B2P 1B2P 1B2P	55 55 55 55 55	1B2P 1B2P 1B2P 1B2P 1B2P	55 55 55 55 55	2B4P 2B4P 2B4P 2B4P 2B4P	84 84 84 84 84	2B4P 2B4P 2B4P 2B4P 2B4P	84 84 84 84 84	1B2P 1B2P 1B2P 1B2P 1B2P	53 53 53 53 53	1B2P 1B2P 1B2P 1B2P 1B2P	53 53 53 53 53	1B2P 1B2P 1B2P 1B2P 1B2P	58 58 58 58 58	1B2P 1B2P 1B2P 1B2P 1B2P	59 59 59 59 59	1B2P 1B2P 1B2P 1B2P 1B2P	53 53 53 53	1B2P 1B2P 1B2P 1B2P	53 53 53 53	2B4P 2B4P 2B4P 2B4P	84 84 84 84	1,002 1,002 1,002 1,002 1,002 806	10,785 10,785
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						I								nit No								I				I		TOTALS	TOTALS
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Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	NSA sq.m.	NSA sq.ft.
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0		0		0		4		0		4		0		0		4		4		4		0		0		0		TOTAL 20	Studio
0		6		5		0		0		1		1		0		0		0		0		4		4		0		21	1B2P
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						Γ		Γ		Γ		Fla	at/Ur	nit No.			Ţ							1		T		TOTALS	TOTALS
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Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	NSA sq.m.	NSA sq.ft.
3B6P 3B6P 2B4P 2B4P 2B4P 2B4P	129 129 71 71 71 71 75	3B6P 1B2P 1B2P 1B2P 1B2P	129 129 50 50 50 55 55	3B6P 1B2P 1B2P 1B2P 1B2P	128 128 50 50 50 50 55	3B6P S S S	128 128 44 44 44 55	\$ \$ \$ \$	44 44 44 67	2B4P 2B4P 2B4P 2B4P 2B3P	76	2B4P 2B4P 2B4P 2B4P 1B2P	76 76	1B2P 1B2P 1B2P 1B2P	60 60 60	S S	49 49 49 48 77	S S S S	44 44 44 44	s s s s	44 44 44	1B2P 1B2P	52 52 52 52	1B2P 1B2P	52 52 52 52	2B4P 2B4P	71 71 71 71	514 514 783 783 782 563	8,428 8,428 8,417 6,060
0		0		1		5		4		0		0		0		4		4		4		0		0		0		TOTAL 22	Studio
0		5		4		0		0		0		1		5		0		0		0		4		4		0			1B2P
0		0		0		0		1		1		0		0		0		0		0		0		0		0			2B3P
5		0		0		0		0		4		4		0		1		0		0		0		0		4			2B4P
0		0		0		0		0		0		0		0		0		0		0		0		0		0			3B4P
0		0		0		0		0		0		0		0		0		0		0		0		0		0			3B5P
2		2		2		2		0		0		0		0		0		0		0		0		0		0			3B6P
0		0		0		0		0		0		0		0		0		0		0		0		0		0			4B7P
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																					В	uilo	ling	18 (Pote	ntia	l Soc	ial	Rent)		
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	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.
113 107 107 107	2B4P 3B6P 3B6P 3B6P	75 116 129	2B4P 3B6P 3B6P 3B6P	72 110 132 132	3B6P 2B4P 2B4P 2B4P	110 74 77 77	3B6P 2B4P 2B4P 2B4P	106 77 77 77	3B6P 2B4P 3B6P 3B6P	106 77 130 130	2B4P 3B6P 4B8P 4B8P	77 102 159 159	3B6P 4B8P 2B4P 2B4P	129 77 77	4B8P 2B4P 2B4P	130 77 77	2B4P 3B6P 3B6P	85 126 126	3B6P 2B4P 2B4P	138 82 82	2B4P 2B4P 2B4P	77 85 85	3B6P 3B6P 3B6P	134 138 138	2B4P 3B6P 3B6P	79 131 131	3B6P 2B4P 2B4P	112 79 79	3B6P 3B6P 3B6P	112 112 112	2B4P 3B6P 3B6P	123 77 112 112 108
	0		0		0		0		0		0		0		0		0		0		0		0		0		0		0		0	
	0		0		0		0		1		0		0		0		0		0		0		0		0		0		0		0	
	0		0		0		0		0		0		0		0		0		0		0		0		0		0		0		0	
	3		4		0 1		0 2		3		0 1		0 1		0 1		0 4		3		0 1		0 4		2		3		0 5		0 4	
	0		0		0		0		0		1 2		0		0		0		0		0		0		0		0		0		0	
	74 2 113 2 107 2 107 2 107	NSA	NSA Sq.m. Sp NSA sq.m. P 74 2B4P 73 P 113 2B4P 75 P 107 3B6P 129 P 107 3B6P 129 P 107 2B4P 89 O 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NSA sq.m. NSA sq	NSA sq.m. By NSA sq.m. NSA	NSA	NSA Sq.m. NSA Sq	NSA Sq.m. NSA Sq	NSA sq.m. NSA sq	NSA NSA	NSA 90 NSA 8q.m. 80 Sq.m. 80 Sq.m. 80 NSA 8q.m. 80 NSA 8q	NSA Sq.m. B NSA Sq	NSA 9	NSA 38 NSA 89 NSA 90 NS	NSA Sq.m. NSA Sq	NSA 96 NS	NSA 96 NSA 96 NSA 96 NSA 97 NSA 97 NSA 97 NSA 97 NSA 98 NS	NSA \$\frac{4}{9}	NSA 97 NSA 97 NSA 97 NSA 98 NS	NSA \$\frac{\chi}{2}\$ NSA \$\chi}\$ NSA \$\chi\$ NSA \$\chi\$	NSA 90 NS	Total Tota	Total Tota	Flat/U 1	Flat/Unit No. 1	Flat/Unit No. 1	Table Tabl	Flat/Unit No. T	Flat/Unit No. Flat Flat	Flat/Unit No. No. N		Fig. 1. Sept. 1. Sept

18	?	19	,	20)	21	,	22	?	23	,	24	ſ	25	<u>, </u>	TOTALS	TOTALS
Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	NSA sq.m.	NSA sq.ft.
3B6P 3B6P 2B4P 2B4P 2B4P	102 139 77 77 77	3B6P 2B4P 3B6P 3B6P 2B4P	107 91 139 139 73	2B4P 2B4P 2B4P	75 91 91	3B6P 2B4P 2B4P	119 77 77		123 119 119	3B6P 3B6P 3B6P	102 123 123	3B6P 3B6P 3B6P	107 102 102	3B6P 3B6P	107	664 1,976 2,492 2,665 2,665 1,885	7,147 21,269 26,824 28,686 20,290
0		0		0		0		0		0		0		0		TOTAL 0	Studio
0		0		0		0		0		0		0		0		0	1B2P
0		0		0		0		0		0		0		0		1	2B3P
3		2		3		2		0		0		0		0		48	2B4P
0		0		0		0		0		0		0		0		0	3B4P
0		0		0		0		0		0		0		0		1	3B5P
2		3		0		1		3		3		3		2		63	3B6P
0		0		0		0		0		0		0		0		1	4B7P
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0		0		0		0		0		0		0		0		0	4 Bed (H)
		U		U		U		U		U		U		U		119	→ oeu (n)
																117	

											E	Build	ing	19 (F	Pote	ntia	l So	cial I	Ren	t)									
				T								F	lat/U	nit No	•							T		T		T		TOTALS	TOTALS
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Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	Beds	NSA sq.m.	NSA sq.m.	NSA sq.ft.
3B6P 3B6P 3B6P 3B5P	109 98 98 88	2B4P	73 70 70 64	1B2P	52 52	3B6P 3B6P	131	3B5P 1B2P 1B2P 2B4P	59 59	2B4P 1B2P 1B2P 3B6P	73 59 59 131	2B4P 3B6P 3B6P 2B3P	73 103 103 64	3B6P 3B6P	119 131 131 97	1B2P 1B2P 2B4P	52	284P 284P 284P	70 70 84	3B6P 3B6P		3B6P 3B6P	103					693 1,152 1,152 901	12,400 12,400 9,698
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0		3		1		1		1		1		-i		0		1		3		0		0		0		0		12	2B4P
0		0		0		0		0		0		Ö		0		Ö		0		0		0		0		0			3B4P
1		0		0		1		1		0		0		0		0		0		0		0		0		0		3	3B5P
		0		1				0		1						0										0			
3						2						2		4				0		2		2		0					3B6P
0		0		0		0		0		0		0		0		0		0		0		0		0		0		0	4B7P
0		0		0		0		0		0		0		0		0		0		0		0		0		0		0	4B8P
0		0		0		0		0		0		0		0		0		0		0		0		0		0		0	4 Bed (H)
																												46]

13.07.22

Plot 2	2A Priv	ate .	Plo		. Pote ordabl		Comb	ined 2A	Plot
Building Level	NSA sq.m.	NSA sq.ft.		lding evel	NSA sq.m.	NSA sq.ft.	Building Level	NSA sq.m.	NSA sq.ft.
12 11 10 9 8 7 6 5 4 3 2 1 0 B1 B2	0 0 0 0 363 1,516 2,670 3,209 3,651 3,651 3,650 2,864 0	0 0 0 0 3,907 16,318 28,740 34,541 39,299 39,288 30,828 0		12 11 10 9 8 7 6 5 4 3 2 1 0 81 82	0 0 0 0 0 0 664 1,976 3,185 3,817 2,786 0	0 0 0 0 0 7,147 21,269 34,283 41,086 41,086 29,988 0	12 11 10 9 8 7 6 5 4 3 2 1 0 B1 B2	0 0 0 0 363 1,516 3,334 5,185 6,836 7,468 7,467 5,650 0	0 0 0 0 3,907 16,318 35,887 55,811 73,582 80,385 80,374 60,816 0
	21,574	232,220			16,245	174,860		37,819	#####

TOTAL PLOT 2A P	RIVATE
Studio	45
1B2P	151
2B3P	14
2B4P	109
3B4P	0
3B5P	2
3B6P	11
4B7P	0
4B8P	2
	0
4 Bed (H)	0
	334

TOTAL PLOT 2A AFF	ORDABLE
Studio	0
1B2P	12
2B3P	3
2B4P	60
3B4P	0
3B5P	4
3B6P	80
4B7P	1
4B8P	5
	0
4 Bed (H)	0
	165

TOTAL PLOT	2A
Studio	45
1B2P	163
2B3P	17
2B4P	169
3B4P	0
3B5P	6
3B6P	91
4B7P	1
4B8P	7
	0
4 Bed (H)	0
	499

															Вι	ıildir	ng 2	0 (Pr	riva [†]	te)													
1	,	2	,	3	7	4	<u> </u>	5	;	6	;	7		8	,	9	,	10	7	1.	1	12	2	13	3	12	4	1:	5	16	5	TOTALS	TOTALS
-	NSA		NSA		NSA	Beds	NSA		NSA	Beds	NSA	Beds	NSA		NSA		_	Beds	NSA	Beds	NSA	Beds	NSA	Beds	NSA		NSA		NSA	Beds	NSA	NCA ca m	NCA ca ft
Beds	sq.m.	Beds	sq.m.	Beds	sq.m.	Be	sq.m.	Beds	sq.m.	Be	sq.m.	Be	sq.m.	Beds	sq.m.	Beds	NSA sq.m.	B	sq.m.	B	sq.m.	B	sq.m.	Be	sq.m.	Beds	sq.m.	Beds	sq.m.	Be	sq.m.	NSA sq.m.	NSA sq.ft.
ЗН	43 43 43	ЗН	43 43 43	ЗН	43 43 43		43 43 43	ЗН	43 43 43	ЗН	43 43 43	4 H	56 56 56	ЗН	43 43 43	ЗН	43 43 43	зн	43 43 43		43 43 43		43 43 43	3Н	43 43 43	740 740 740	7,965 7,965						
0		0		0		0		0		0		0		0		0		0		0		0		0		0		0		0		TOTAL 0	Studio
0		0		0		0		0		0		0		0		0		0		0		0		0		0		0		0		0	1B2P
0		0		0		0		0		0		0		0		0		0		0		0		0		0		0		0			2B3P 2B4P
0		0		0		0		0		0		0		0		0		0		0		0		0		0		0		0		0	3B4P
0		0		0		0		0		0		0		0		0		0		0		0		0		0		0		0		0	3B5P
0		0		0		0		0		0		0		0		0		0		0		0		0		0		0		0			3B6P
0		0		0		0		0		0		0		0		0		0		0		0		0		0		0		0		0	4B7P
0		0 1		1		<u>0</u> 1		0 1		<u>0</u>		0		0		0		0		<u>0</u> 1		<u>0</u> 1		<u>0</u> 1		0 1		0 1		0 1			4B8P 3 Bed (H)
0		0		0		0		0		0		1		1		1		1		0		0		0		0		0		0			4 Bed (H)
												•			I		I				I		I							•		16	

Building 21 (Private)	Plot 2B F	rivate Combined Plot 2B	Combined Total Private (All Plots and Phases)	Combined Total Potential Affordable (All Plots and Phases)	Total NSA (Private + Potential Affordable)
NSA sq.m. NSA sq.m. NSA sq.m. NSA sq.m. NSA sq.m. NSA sq.m.	NSA sq.m. NSA sq.ft. Building Level NSA s	m. NSA sq.ft. Building NSA sq.m. NSA sq.ft.	Building Level NSA sq.m. NSA sq.ft.	Building Level NSA sq.m. NSA sq.ft.	Building Level NSA sq.m. NSA sq.ft.
56 56 56 56 56 56 56 56 56 56 56 56 56 5	12 0 11 0 9 0 8 0 7 0 6 0 5 0 4 0 3 0 3 0 392 4,219 2 1,73 392 4,219 1 1,73 392 4,219 0 1,73 B1 B2 0	² 12,185 1 <i>1,132</i> 12,185	12	12	12
0 0	TOTAL TOTAL P 0 Studio Studio 0 1B2P 1 0 2B3P 2 0 2B4P 2 0 3B4P 3 0 3B5P 3 0 3B6P 3 0 4B7P 4	Studio O Studio O	68,550 737,865 TOTAL PRIVATE Studio 45 1B2P 241 2B3P 112 2B4P 284 3B4P 0 3B5P 31 3B6P 122 4B7P 7 4B8P 2 3 Bed (H) 12 4 Bed (H) 11	18,685 201,123 TOTAL AFFORDABLE Studio 0 182P 34 283P 3 284P 77 384P 0 385P 4 386P 80 487P 1 488P 5 3 Bed (H) 0 4 Bed (H) 0	87,235 938,989 TOTAL Studio 45 1B2P 275 2B3P 115 2B4P 361 3B4P 0 3B5P 35 3B6P 202 4B7P 8 4B8P 7 3 Bed (H) 12 4 Bed (H) 11

Stag Brewery | **Potential Intermediate Mix** | Hybrid Scheme | 13.07.22 | Rev J

Development Area 1

	Studio	1 bed	2 bed 3 person	2 bed 4 person	3 bed	4 bed	Total	Habitable rooms	NSA (m2)
Building 10	0	22	0	17	0	0	39	95	2,440
Total Percentage	- 0%	22 56%	- 0%	17 44%	- 0%	- 0%	39	95	2,440

Combined Development Areas 1 & 2

	Studio	1 bed	2 bed 3 person	2 bed 4 person	3 bed	4 bed	Total	Habitable rooms	NSA (m2)
	Studio	i beu	person	person	3 Deu	4 Deu	TOTAL	1001115	NOA (IIIZ)
	0	22	0	17	0	0	39	95	2,440
Total	-	22	-	17	-	-	39	95	2,440
Percentage	0%	56%	0%	44%	0%	0%			

Development Area 2

	1 bed	2 bed 3 person	2 bed 4 person	3 bed	4 bed	Total	Habitable rooms	NSA (m2)
Building 18	0	1	48	64	6	119	433	12,347
Building 19	12	2	12	20	0	46	146	3,898
Total Percentage	12 7%	3 2%	60 36%	84 51%	6 4%	165	579	16,245

Combined Development Areas 1 & 2

	1 bed	2 bed 3 person	2 bed 4 person	3 bed	4 bed	Total	Habitable rooms	NSA (m2)
Area 2	12	3	60	84	6	165	579	16,245
Total Percentage	12 7%	3 2%	60 36%	84 51%	6 4%	165	579	16,245

Areas are approximate only and subject to change through survey, planning, design and development of the proposa

Development Area 1

	Studio	1 bed	2 bed	3 bed	4 bed	Total	Habitable rooms	NSA (m2)
Building 10	0	22	17	0	0	39	95	2,440
Total Percentage	- 0%	22 56%	17 44%	- 0%	- 0%	39	95	2,440

Development Area 2

	Studio	1 bed	2 bed	3 bed	4 bed	Total	Habitable rooms	NSA (m2)
Building 18	0	0	49	64	6	119	433	12,347
Building 19	0	12	14	20	0	46	146	3,898
Total Percentage	- 0%	12 7%	63 38%	84 51%	6 1%	165	579	16,245

Combined Development Areas 1 & 2

	1 bed	1 bed	2 bed	3 bed	4 bed	Total	Habitable rooms	NSA (m2)
Area 1	-	22	17	-	-	39	95	2,440
Area 2	-	12	63	84	6	165	579	16,245
Total Percentage	- 0%	34 17%	80 39%	84 41%	6 3%	204	674	18,685

Areas are approximate only and subject to change through survey, planning, design and development of the proposal

Development Area 2 is applied for in outline and therefore the unit NSA areas are subject to change through detailed design and the submission of subsequent reserved matters applications

Development Area 1

	Studio	1 bed	2 bed	3 bed	4 bed	Total	Habitable rooms	NSA (m2)
Building 2	0	22	63	33	0	118	365	10,279
Building 3	0	8	27	13	0	48	149	3,870
Building 4	0	0	15	5	0	20	65	2,135
Building 6	0	4	14	6	0	24	74	1,906
Building 7	0	19	47	21	0	87	263	6,948
Building 8	0	22	43	33	2	100	315	8,548
Building 9	0	0	6	3	4	13	50	1,286
Building 11	0	11	21	19	1	52	166	4,714
Building 12	0	4	37	7	0	48	147	3,894
Total Percentage	- 0%	90 18%	273 54%	140 27%	7 1%	510	1,594	43,580

Development Area 2

	Studio	1 bed	2 bed	3 bed	4 bed	Total	Habitable rooms	NSA (m2)
Building 13	3	16	21	2	0	42	106	2,890
Building 14	0	8	24	2	0	34	96	2,378
Building 15	0	83	27	0	2	112	257	7,181
Building 16	20	21	31	1	0	73	159	4,403
Building 17	22	23	20	8	0	73	160	4,722
Building 20	0	0	0	12	4	16	84	2,220
Building 21	0	0	0	0	7	7	42	1,176
Total	45 13%	151	123	25	13	357	904	24,970

Combined Development Areas 1 & 2

	1 bed	1 bed	2 bed	3 bed	4 bed	Total	Habitable rooms	NSA (m2)
Area 1	-	90	273	140	7	510	1,594	43,580
Area 2	45	151	123	25	13	357	904	24,970
Total Percentage	45 5%	241 28%	396 46%	165 19%	20 2%	867	2,498	68,550

Areas are approximate only and subject to change through survey, planning, design and development of the proposal

Stag Brewery | Private/ Potential Affordable Mix and Ratio | Hybrid Scheme | 13.07.22 | Rev J

Development Area 1

	Studio	1 bed	2 bed	3 bed	4 bed	Total Units	Percentage	Habitable rooms	Percentage	NSA (m2)	Percentage
Private	0	90	273	140	7	510	93%	1,594	94%	43,580	95%
Affordable	0	22	17	0	0	39	7%	95	6%	2,440	5%
Total Percentage	- 0%	112 20%	290 53%	140 26%	7 1%	549		1,689		46,020	

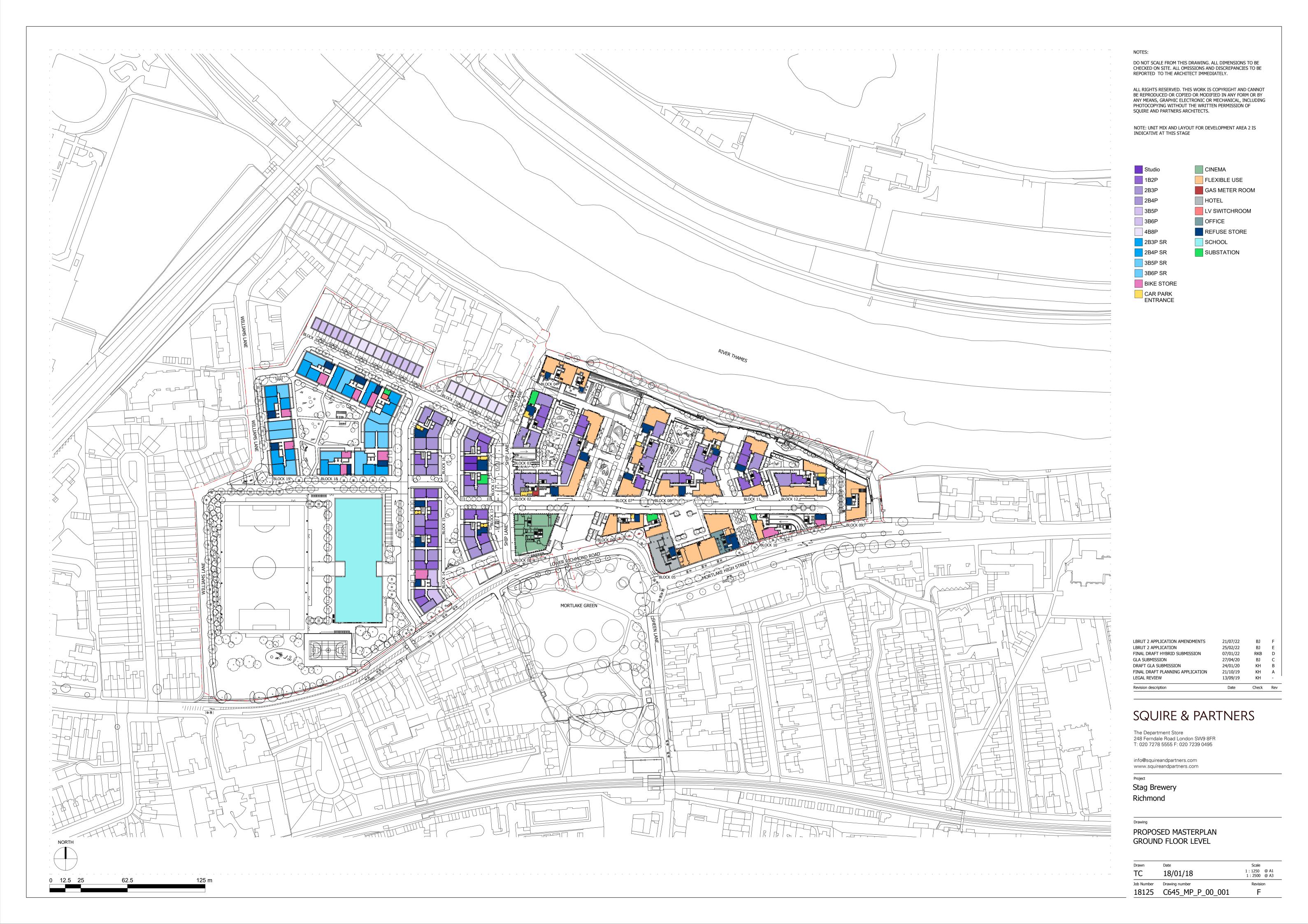
Development Area 2

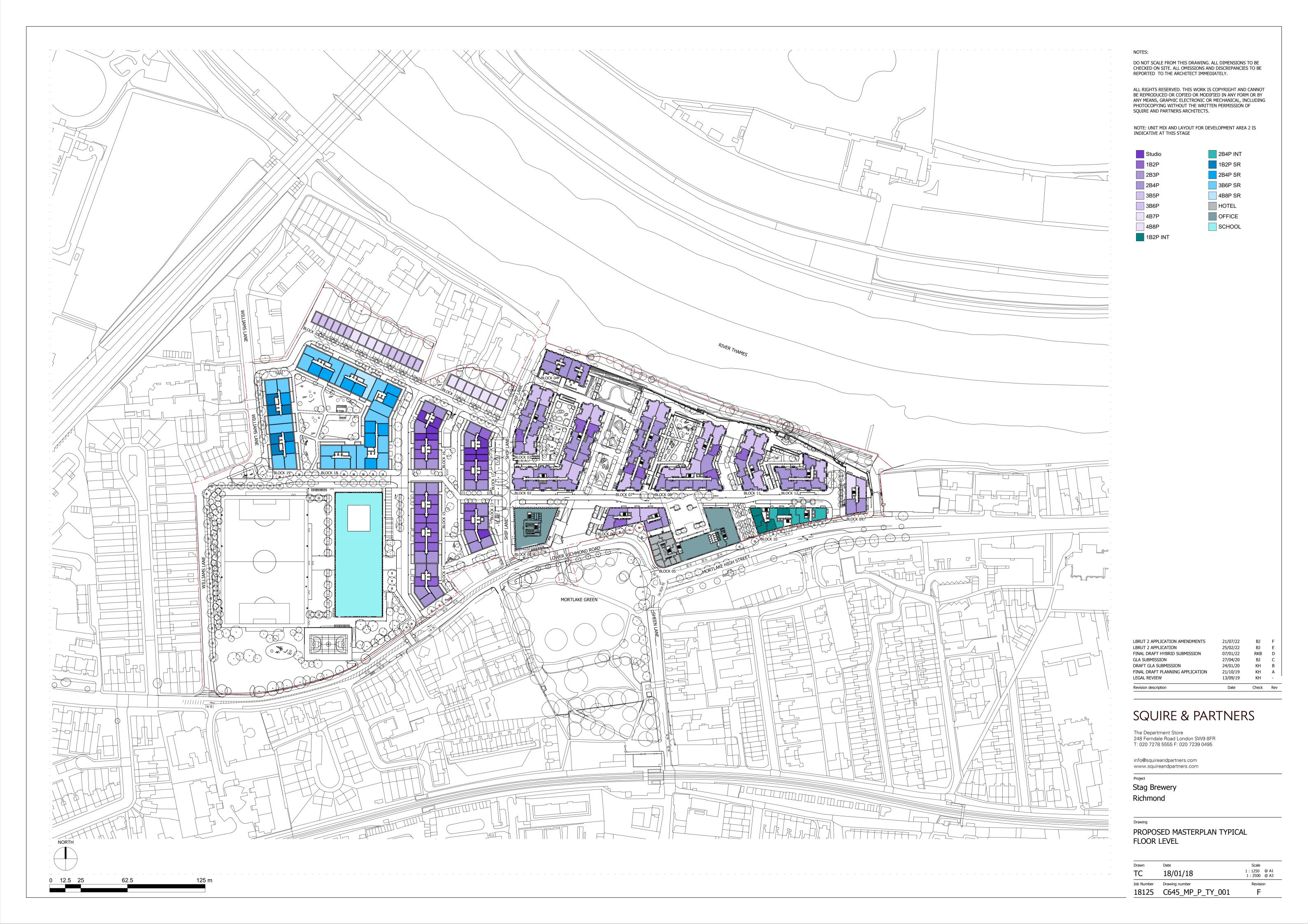
						Total		Habitable		1	
	Studio	1 bed	2 bed	3 bed	4 bed	Units	Percentage	rooms	Percentage	NSA (m2)	Percentage
Private	45	151	123	25	13	357	68%	904	61%	24,970	61%
Affordable	0	12	63	84	6	165	32%	579	39%	16,245	39%
Total	45	151	123	25	13	522		1,483		41,215	
Percentage	9%	29%	8%	5%	1%						

Combined Development Areas 1 & 2

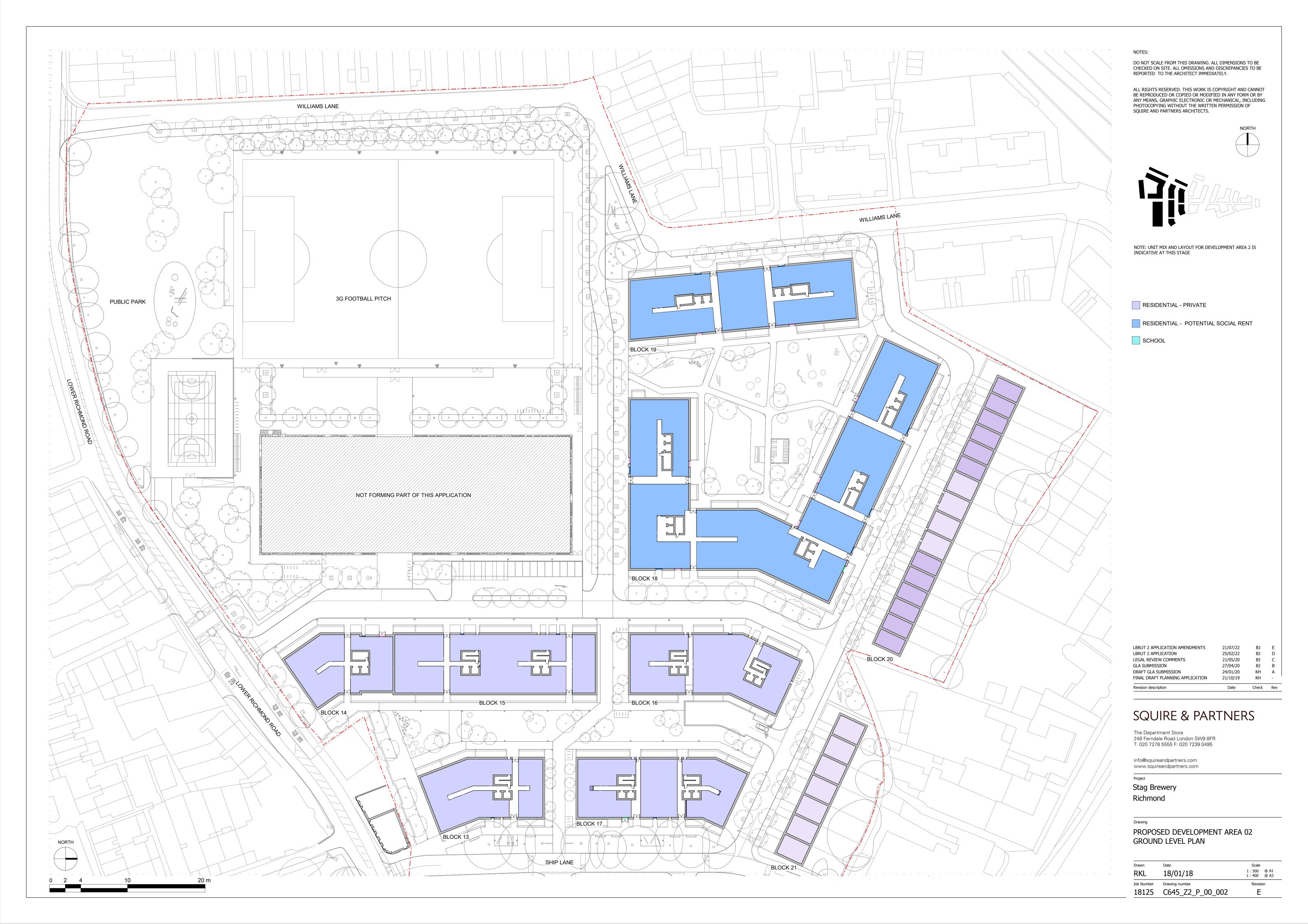
						Total		Habitable			
	Studio	1 bed	2 bed	3 bed	4 bed	Units	Percentage	rooms	Percentage	NSA (m2)	Percentage
Private	45	241	396	165	20	867	81%	2,498	79%	68,550	79%
Affordable	0	34	80	84	6	204	19%	674	21%	18,685	21%
Total	45	275	476	249	26	1,071		3,172		87,235	
Percentage	4%	26%	44%	23%	2%						

Areas are approximate only and subject to change through survey, planning, design and development of the proposal













B. Thames Water Correspondence

Sewer Flooding History Enquiry



Waterman Infrastructure & Environment

Search address supplied Stag Brewing Co Ltd

The Stag Brewery

Mortlake London SW14 7ET

Your reference WIE10667

Our reference SFH/SFH Standard/2016_3238633

Received date 22 January 2016

Search date 23 January 2016

Thames Water Utilities Ltd

Property Searches PO Box 3189 Slough SL1 4WW

DX 151280 Slough 13

T 0118 925 1504

E searches@thameswater.co.uk
www.thameswaterpropertysearches.co.uk

Registered in England and Wales No. 2366661, Registered office Clearwater Court, Vastern Road Reading RG1 8DB

Sewer Flooding

History Enquiry



Search address supplied: Stag Brewing Co Ltd, The Stag

Brewery, Mortlake, London, SW14 7ET

This search is recommended to check for any sewer flooding in a specific address or area

TWUL, trading as Property Searches, are responsible in respect of the following:-

- (i) any negligent or incorrect entry in the records searched;
- (ii) any negligent or incorrect interpretation of the records searched;
- (iii) and any negligent or incorrect recording of that interpretation in the search report
- (iv) compensation payments

Thames Water Utilities Ltd

Property Searches PO Box 3189 Slough SL1 4WW

DX 151280 Slough 13

T 0118 925 1504
E searches@thameswater.co.uk
I www.thameswaterpropertysearches.co.uk

Registered in England and Wales No. 2366661, Registered office Clearwater Court, Vastern Road Reading RG1 8DB

Sewer Flooding

History Enquiry



History of Sewer Flooding

Is the requested address or area at risk of flooding due to overloaded public sewers?

The flooding records held by Thames Water indicate that there have been no incidents of flooding in the requested area as a result of surcharging public sewers.

For your guidance:

- A sewer is "overloaded" when the flow from a storm is unable to pass through it due to a permanent problem (e.g. flat gradient, small diameter).
 Flooding as a result of temporary problems such as blockages, siltation, collapses and equipment or operational failures are excluded.
- "Internal flooding" from public sewers is defined as flooding, which enters
 a building or passes below a suspended floor. For reporting purposes,
 buildings are restricted to those normally occupied and used for
 residential, public, commercial, business or industrial purposes.
- "At Risk" properties are those that the water company is required to include in the Regulatory Register that is presented annually to the Director General of Water Services. These are defined as properties that have suffered, or are likely to suffer, internal flooding from public foul, combined or surface water sewers due to overloading of the sewerage system more frequently than the relevant reference period (either once or twice in ten years) as determined by the Company's reporting procedure.
- Flooding as a result of storm events proven to be exceptional and beyond the reference period of one in ten years are not included on the At Risk Register.
- Properties may be at risk of flooding but not included on the Register where flooding incidents have not been reported to the Company.
- Public Sewers are defined as those for which the Company holds statutory responsibility under the Water Industry Act 1991.
- It should be noted that flooding can occur from private sewers and drains which are not the responsibility of the Company. This report excludes flooding from private sewers and drains and the Company makes no comment upon this matter.
- For further information please contact Thames Water on Tel: 0800 316 9800 or website www.thameswater.co.uk

Thames Water Utilities Ltd

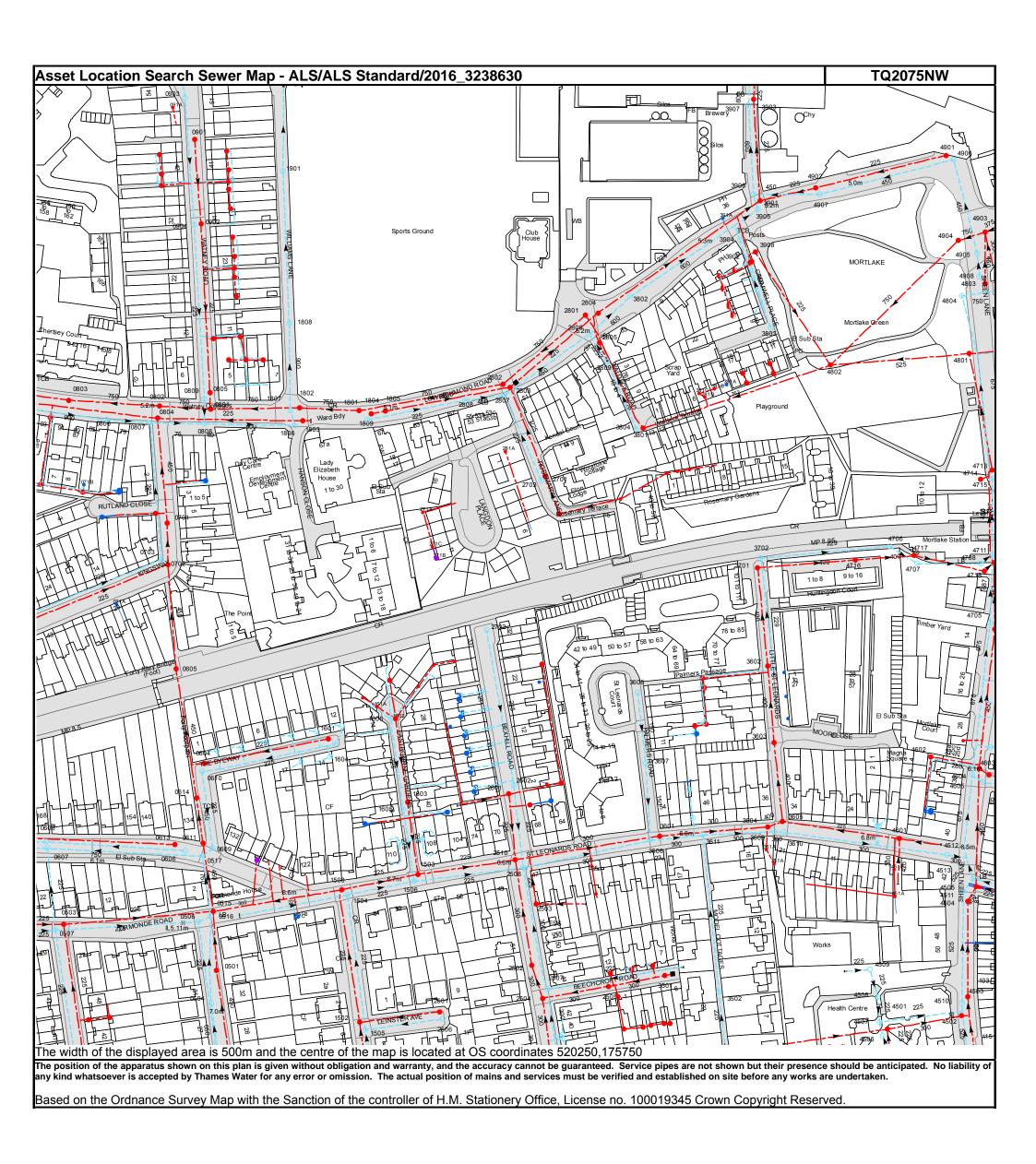
Property Searches PO Box 3189 Slough SL1 4WW

DX 151280 Slough 13

T 0118 925 1504

E searches@thameswater.co.uk
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Registered in England and Wales No. 2366661, Registered office Clearwater Court, Vastern Road Reading RG1 8DB

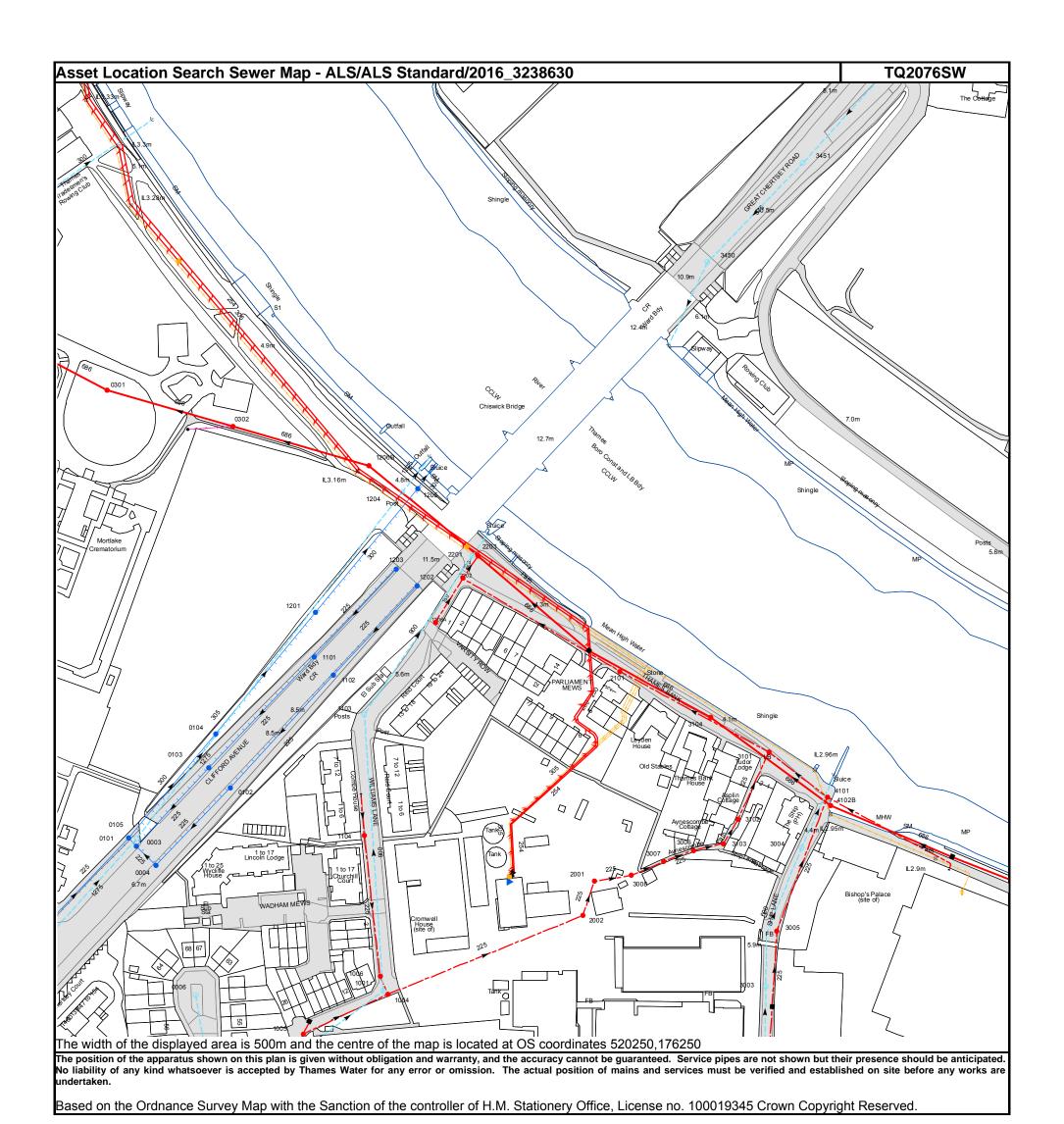


Manhole Reference	Manhole Cover Level	Manhole Invert Level
4512	6.54	4.41
4601	6.78	4.11
46MK	n/a	n/a
46NE	n/a	n/a
46NL	n/a 6.03	n/a 4.3
4605 4604	5.92	2.97
4603	6.02	4.11
4602	5.92	2.18
46MN	n/a	n/a
46NH	n/a	n/a
46LN	n/a	n/a
461A	n/a	n/a
4508	6.77	5.28
4507 4506	n/a 6.76	n/a 5.22
4501	6.75	4.26
451B	n/a	n/a
451A	n/a	n/a
4502	6.44	3.91
4510	6.45	3.59
4511	6.34	3.37
4504	6.33	2.52
4503	6.45	2.92
4513	6.36	3.22
4505	n/a	2.86
4802	5.35	.8
4716 4706	n/a 6.33	n/a 4.22
4706 4717	n/a	n/a
4707	n/a	n/a
4801	5.22	1.38
4708	n/a	n/a
4714	5.95	3.74
4718	n/a	n/a
4705	5.87	2.69
4713	5.79	1.65
4715	5.75	2.45
4711 4712	6.05	2.52
4712 4703	n/a 5.84	n/a 1.98
4804	5.05	2.06
4803	4.95	n/a
4908	4.97	n/a
4905	5.03	2.59
4904	5.02	.89
4903	5.08	.89
4907	4.94	2.32
4902	4.86	1.96
4906	4.96	n/a
4901 35LH	4.93	2.36 n/a
35LJ	n/a n/a	n/a n/a
3502	6.37	5.2
3501	6.57	5.49
4509	5.71	5.46
351A	n/a	n/a
361A	n/a	n/a
3611	6.7	4.84
3610	6.8	4.74
3609 3604	6.77 6.76	4.77
3604 46ME	6.76 n/a	4.09 n/a
3605	6.78	3.94
36LL	n/a	n/a
36LM	n/a	n/a
3603	n/a	n/a
36NC	n/a	n/a
36NL	n/a	n/a
36NK	n/a	n/a
36NH	n/a	n/a
36MM 361B	n/a n/a	n/a n/a
3802	5.33	3.22
39MJ	n/a	n/a
39NE	n/a	n/a
391A	n/a	n/a
38LK	n/a	n/a
38MK	n/a	n/a
38ML	n/a	n/a
39ND	n/a	n/a
39NK	n/a 5.14	n/a
3904 3907	5.14 5.99	2.68 1.99
39NJ	5.99 n/a	1.99 n/a
39NC	n/a	n/a
3902	4.98	3.64
3903	6	1.53
3906	5.17	2.03
	5.17 n/a 5.19	n/a 2.25

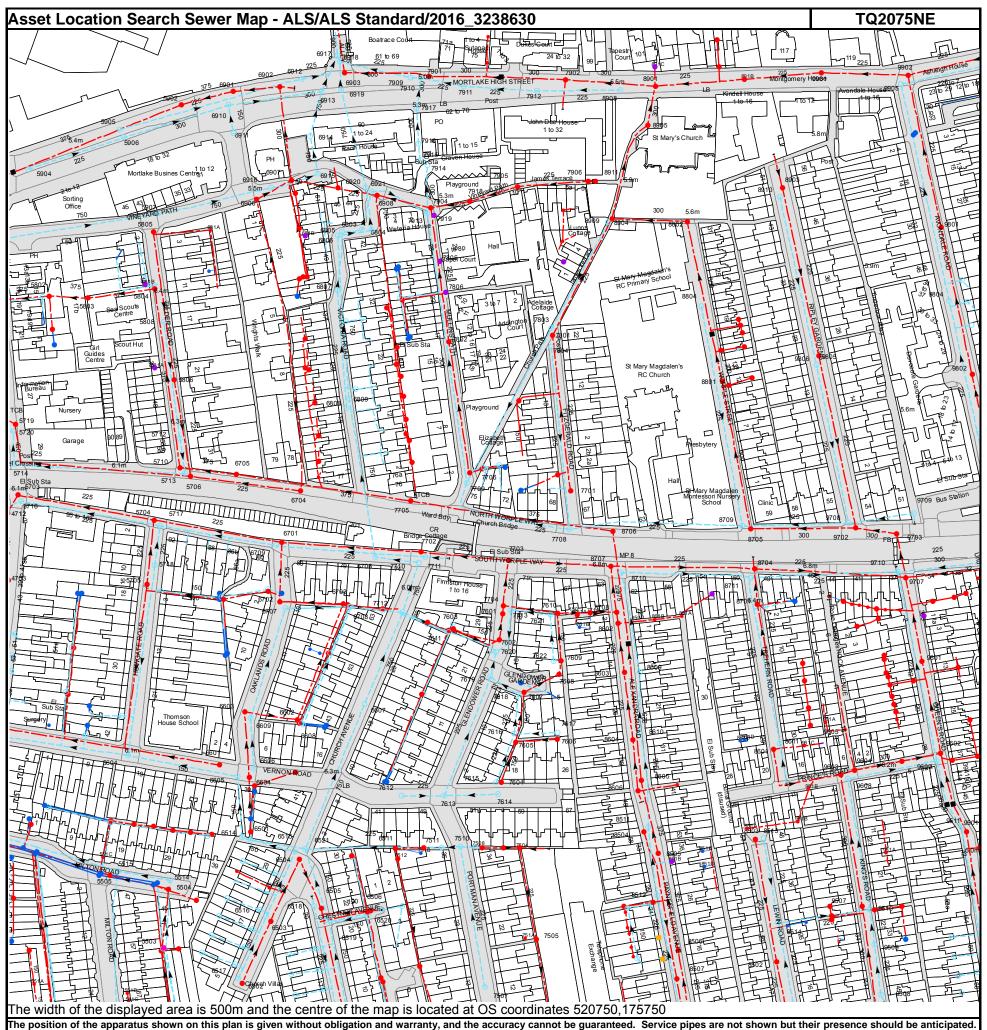
Manhala Deference	Manhala Cayar Layal	Manhala Invent Laval
Manhole Reference 3901	Manhole Cover Level 5.2	Manhole Invert Level 1.62
361C	n/a	n/a
3608	6.19	5.48
36MJ 36MH	n/a n/a	n/a n/a
36NF	n/a	n/a
36ML	n/a n/a	n/a
361D 3602	n/a 5.82	n/a 3.69
3701	6.15	3.48
3702 271D	6.16 n/a	4.58
371B	n/a	n/a n/a
2701	5.59	2.87
371A 371D	n/a n/a	n/a n/a
371C	n/a	n/a
1603	6.29	5.13
1506 1503	6.76 6.75	5.16 4.86
26MK	n/a	n/a
26ME 26LF	n/a n/a	n/a n/a
26LE	n/a	n/a
26LN	n/a	n/a
26LM 26LD	n/a n/a	n/a n/a
26LL	n/a	n/a n/a
2601	6.27	4.87
2602 2510	6.33 6.72	5.17 4.76
2508	6.68	5.12
26HD	n/a	n/a
2502 2503	6.83 6.67	5.04 4.98
261A	n/a	n/a
26FN	n/a	n/a
2604 251B	n/a n/a	n/a n/a
251A	n/a	n/a
35MN 3607	n/a 6.32	n/a 4.48
3606	6.55	4.89
35NF	n/a	n/a
35MJ 3601	n/a 6.58	n/a 4.51
16NK	n/a	n/a
16ME	n/a	n/a
16LM 271A	n/a n/a	n/a n/a
271C	n/a	n/a
26MF 271B	n/a n/a	n/a n/a
27NM	n/a	n/a
26HM	n/a	n/a
26HL 2702	n/a 6.33	n/a 5.28
281A	n/a	n/a
261B 2703	n/a 5.61	n/a 2.87
2603	n/a	n/a
3804	4.67	4.08
3801 1809	n/a 5.06	n/a 3.86
1804	5.11	n/a
1805	5.12 5.00	2.35
1801 2808	5.09 5.07	.25 3.63
381D	n/a	n/a
2807 381C	5.2 n/a	3.42 n/a
381B	n/a n/a	n/a n/a
2803	5.26	2.16
2802 381A	5.28 n/a	.38 n/a
38NL	n/a	n/a
38NH	n/a	n/a
38NM 38NJ	n/a n/a	n/a n/a
2809	5.07	n/a
2805 2806	5.19 5.3	2.78 3.26
3803	4.87	3.65
38LM	n/a	n/a
2801 38MM	5.32 n/a	.44 n/a
2804	5.33	1.95
38LL	n/a	n/a
16JM 26KL	n/a n/a	n/a n/a
06NL	n/a	n/a
26KK	n/a n/a	n/a
16LH	n/a	n/a

Manhole Reference	Manhole Cover Level	Manhole Invert Level
26KJ	n/a	n/a
1604	6.26	5.46
16LD 1601	n/a 6.28	n/a 4.59
26KD	6.28 n/a	14.59 n/a
16KM	n/a	n/a
26KC 16KJ	n/a n/a	n/a n/a
16MM	n/a	n/a
26JN	n/a	n/a
16KE 261C	n/a n/a	n/a n/a
1606	6.33	5.49
1602	6.34	5.24
26JJ 26JH	n/a n/a	n/a n/a
26JF	n/a	n/a
161A 16MN	n/a n/a	n/a n/a
16NG	n/a	n/a
26HN	n/a	n/a
16LN 0613	n/a 6.15	n/a 4.12
0606	n/a	n/a
0614	6.16	3.64
0506 0610	n/a 6.19	n/a 5.11
0517	n/a	n/a
0611	n/a 6 15	n/a 3 69
0604 0516	6.15 n/a	3.68 n/a
0504	6.97	4.62
0609 0515	6.14 6.78	4.77 3.96
0515	6.78 6.94	4.13
151A	n/a	n/a
151C 151B	n/a n/a	n/a n/a
16JJ	n/a	n/a
1508	6.71	4.9
1504 1502	6.71 6.89	5.25 5.09
16LL	n/a	n/a
1505 16MF	6.86	5.41
1605	n/a 6.3	n/a 5.42
09ND	n/a	n/a
09NM 09NJ	n/a n/a	n/a n/a
09NL	n/a	n/a
091A	n/a	n/a
0903 0904	n/a 5.55	n/a 3.51
0901	n/a	n/a
0902 09MN	5.59 n/a	1.67 n/a
19NE	n/a	n/a
19NL	n/a	n/a
19NM 19NF	n/a n/a	n/a n/a
19NH	n/a	n/a
19MK	n/a	n/a
19MJ 19MF	n/a n/a	n/a n/a
19MH	n/a	n/a
18ME 1901	n/a n/a	n/a n/a
0807	5.16	2.54
07NK	n/a	n/a
0804 0802	5.18 5.19	1.83 .09
0703	5.21	3.38
0701	5.18 n/a	2.31
0702 0605	n/a 6.1	n/a 2.99
0809	5.08	2.26
0808 07ML	5.06 n/a	2.47 n/a
07NE	n/a	n/a
0805	5.1	1.16
0801 08NM	5.15 n/a	.14 n/a
18NJ	n/a	n/a
18MN	n/a	n/a
18NK 18NC	n/a n/a	n/a n/a
18NL	n/a	n/a
18ND 18NM	n/a n/a	n/a n/a
1808	5.26	2.26
1807	5.17	2.41
1806 1802	5 5.16	2.43 .2
1002	VI IV	

Manhole Reference	Manhole Cover Level	Manhole Invert Level
1803	5.03	2.03
05LD	n/a	n/a
05LE	n/a	n/a
07LK	n/a	n/a
07KN	n/a	n/a
08NE	n/a	n/a
08NC	n/a	n/a
0803	5.12	.01
07LM	n/a	n/a
07LD	n/a	n/a
071B	n/a	n/a
07NM	n/a	n/a
0806	5.16	2.62
071A	n/a	n/a
07ME	n/a	n/a
07LJ	n/a	n/a
0507	6.41	5.15
0503	6.36	4.68
0607	5.99	4.16
0608	6	4.7
25ML	n/a	n/a
25MN	n/a	n/a
35LD	n/a	n/a
35LE	n/a	n/a
35LF	n/a	n/a
2506	6.95	5.58
2501	6.76	5.28
2504	6.82	5.1
35LC	n/a	n/a
2507	6.79	5.15
2505	6.65	5.28
25MJ	n/a	n/a
35NK	n/a	n/a



Manhole Reference	Manhole Cover Level	Manhole Invert Level
3103	6.12	1.37
1104	5.93	4.19
3102	5.77	1.35
4102B	n/a	-4.73
4101	3.47	1.08
0102	n/a	n/a
0103	n/a	n/a
3101	4.14	.92
0104	n/a	n/a
3104	n/a	-4.82
1103	5.88	1.73
1102	n/a	n/a
2101	n/a	n/a
1101	n/a	n/a
1206A	5.06	4
1201	n/a	n/a
1202	n/a	n/a
2202	4.53	.29
1203	n/a	n/a
2201	n/a	n/a
2203	n/a	-4.99
1204	n/a	n/a
1205	4.62	2.02
1206B	n/a	-5.07
0302	n/a	-5.16
3450	10.79	1.9
3451	9.23	2.01
0003	n/a	n/a
0105	n/a	n/a
0101	n/a	n/a
0301	n/a	-5.24
2002	n/a	n/a
2001	n/a	n/a
3008	n/a	n/a
3007	6.65	1.7
3006	6.59	1.59
3003	6.06	2.01
3005	5.56	1.22
3004	4.81	1.77
0004	n/a	n/a
0006	5.52	4.54
1005	6.3	3.66
1006	6.3	1.96
1001	6.3	1.96
1004	6.26	2.79



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971E	Manhole Reference	Manhole Cover Level	Manhole Invert Level
SELE n/a n/a SOLE n/a n/a SOME n/a n/a SOME n/a n/a SOME n/a n/a STFF n/a n/a SOME n/a n/a SULK n/a n/a SELK n/a n/a SOME 6.12 2.72 SOLE 6.12 2.72 SOLE 6.33 2.85 SORE 6.31 4.48 SOCO 6.31 4.48 SOCO 6.31 4.48 SOCO 6.33 2.85 SORIA n/a n/a SOCO 6.31 n/a n/a SOCO n/a n/a n/a SOCO n/a n/a	96MD	n/a	n/a
98LE n/a			
96LM			
96LN n/a			
98MC n/a			
96ME n/a			
9710 6.67 4.13 7177 6.66 2.263 71717 6.67 2.263 71717 6.6			
9707 6 64 2 283 961K	9710	6.67	4.13
961K			
9601 97MJ 102 97MJ 103 9609 6.31 4.48 9609 6.31 4.48 9609 6.31 4.48 97MK 104 105 97MK 106 107 97MK 107 108 97MK 108 108 108 97MK 108 108 108 108 108 108 108 108 108 108			
97MJ n/a			
9602 9603 960KN 104 104 174 174 174 174 174 174 174 174 174 17			
96KN			
97MK			
96KF			
97MN n/a n/a n/a n/a n/a 98LC n/a n/a			
96LC			
9716			
851C			
851D			
851A			
8503 6.32 951D 74 951D 74 961B 74 74 75 951D 74 74 75 951C 75 951C 76 77 78 961B 78 960B 6.17 4.47 4.47 960B 6.17 4.47 960B 6.17 4.47 960B 6.18 4.65 960B 6.14 4.46 960B 961H 76 961B 961B			
8513	8503	6.32	4.8
951B	8513	6.29	5.27
951C			
961B			
95NC			
9603			
9504	9603	6.17	4.47
9507			
9510			
95HH			
951A			
95HJ			
9511	96NM	n/a	n/a
9501			
95.IC			
8804			
88MF n/a n/a 88D1 5.95 2.33 88LM n/a n/a 88MK n/a n/a 88MK n/a n/a 88MN n/a n/a 8709 6.12 3.86 88MH n/a n/a 8705 6.09 2.51 88LN n/a n/a 8705 6.09 2.51 88LN n/a n/a 9806 5.91 4.13 9806 5.91 3.33 9708 6.06 3.86 9709 6.14 2.54 9703 6.11 n/a 9704 4.62 4.66 98KJ n/a n/a 98KL n/a n/a 98KC n/a n/a 98KC n/a n/a 9801 5.44 2.75 8802 5.62 2.1 8910		5.61	
88LM		n/a	
88MK n/a n/a 88MM n/a n/a 88MN n/a n/a 8709 6.12 3.86 8709 6.12 3.86 8705 6.09 2.51 88LN n/a n/a 9806 5.91 4.13 9807 5.91 3.33 9708 6.06 3.86 9702 6.14 2.54 9703 6.11 n/a 9709 5.94 4.62 9804 5.62 4.66 9804 5.62 4.66 9804 5.62 4.66 98KE n/a n/a 98KE n/a n/a 9802 5.7 3.13 9801 5.44 2.75 8802 5.62 2.12 8910 5.9 4.51 8903 5.91 3.91 99MM n/a n/a 9905 5.4 4.49 891B n/a n/a			
88MM n/a n/a 8709 6.12 3.86 88MH n/a n/a 8705 6.09 2.51 88LN n/a n/a 9806 5.91 4.13 9807 5.91 3.33 9708 6.06 3.86 9702 6.14 2.54 9703 6.11 n/a 9709 5.94 4.62 98KJ n/a n/a 98KZ 4.66 n/a 98KE n/a n/a 98KC n/a n/a 9802 5.7 3.13 9801 5.44 2.75 8802 5.7 3.13 9801 5.91 3.91 99MM n/a n/a 99MM n/a n/a 99MM n/a n/a 9901 5.71 2.13 89ND n/a n/a 89NE n/a n/a 861A n/a n/a			
88MN n/a 3.86 8709 6.12 3.86 88MH n/a n/a 8705 6.09 2.51 88LN n/a n/a 9806 5.91 3.33 9805 5.91 3.33 9702 6.14 2.54 9703 6.11 n/a 9709 5.94 4.62 98KL n/a n/a 98KE n/a n/a 98KE n/a n/a 9802 5.7 3.13 9801 5.44 2.75 8910 5.9 4.51 8903 5.91 3.91 99MM n/a n/a 99MM n/a n/a 99MM n/a n/a 9901 5.71 2.13 891B n/a n/a 9901 5.71 2.13 89NE n/a n/a 89NE n/a n/a 891B n/a n/a			
8709 6.12 3.86 88MH n/a n/a n/a 8705 6.09 2.51 88LN n/a n/a n/a 9806 5.91 4.13 9805 5.91 3.33 9708 6.06 3.86 9702 6.14 2.54 9703 6.11 n/a 9709 5.94 4.62 9804 5.62 4.66 98KJ n/a n/a n/a 98KC n/a n/a n/a 98KC 1/a n/a 1/a 9802 5.7 3.13 9801 5.44 2.75 8802 5.62 2.12 8910 5.9 4.51 8903 5.91 3.91 99MM n/a n/a n/a 99MM n/a n/a n/a 99MM n/a n/a n/a 999MM n/a n/a n/a 999MM n/a n/a n/a 999MM n/a n/a n/a 9901 5.71 3.13 9901 5.71 2.13 8901 5.71 2.13 8901 5.71 2.13 89NE n/a n/a n/a 89NE n/a n/a n/a 89NE n/a n/a n/a 89NE n/a n/a n/a 8711 6.83 4.51 8704 6.85 4.1 8701 6.37 4.24 87NH n/a n/a 8611 6.14 4.94			
8705 6.09 2.51 88LN n/a n/a 9806 5.91 4.13 3.33 9805 5.91 3.33 3.33 9708 6.06 3.86 9702 6.14 2.54 9703 6.11 n/a 9709 5.94 4.62 4.66 98KJ 9709 5.94 4.62 4.66 98KJ n/a n/a n/a n/a 98KC n/a n/a n/a n/a 98KC n/a n/a n/a n/a 9802 5.7 3.13 9801 5.44 2.75 8802 5.62 2.12 8802 5.62 2.12 8903 5.91 3.91 99MM n/a n/a n/a n/a n/a 9905 5.4 4.49 891B n/a n/a n/a 9905 5.43 9901 5.71 2.13 9901 9901 5.71 2.13 9901 9901 5.71 2.13 9901 9901 5.71 2.13 9901 9901 5.71 2.13 9901			
88LN			
9806			
9805 9708 96.06 93.38 9708 9702 6.14 9703 6.11 9709 95.94 4.62 9804 9804 5.62 98KJ 98KE 98KC 98KC 98KC 98 98C 10/a 9802 5.7 3.13 9801 5.44 2.75 8802 5.62 8910 5.91 999MM 99MM 99MM 10/a 99MM 10/a 99MM 10/a 99MM 10/a 99MM 10/a 99MN 10/a 99MN 10/a 9905 5.4 4.49 9911 9906 5.4 4.49 9911 9901 5.71 2.13 99ND 10/a 10/a 10/a 10/a 89NE 10/a 10/a 10/a 10/a 10/a 10/a 10/a 10/a			
9708 6.06 3.86 9702 6.14 2.54 9703 6.11 10/a 9709 5.94 4.62 4.66 9804 5.62 4.66 9804 9804 10/a 10/a 10/a 98KE 10/a 10			
9702 6.14 2.54 9703 6.11 n/a 9709 5.94 4.62 9804 5.62 4.66 98KJ n/a n/a 98KE n/a n/a 98KC n/a n/a 9802 5.7 3.13 9801 5.44 2.75 8802 5.62 2.12 8910 5.9 4.51 8903 5.91 3.91 99MM n/a n/a 99MN n/a n/a 9905 5.4 4.49 891B n/a n/a 891B n/a n/a 9901 5.71 2.13 89ND n/a n/a 89NE n/a n/a 861A n/a n/a 871A n/a n/a 861C n/a n/a 871A n/a n/a 871A n/a n/a 861D n/a n/a			
9709 9804 9804 95.62 980KI 98KE 98KC 9802 95.7 9801 5.44 2.75 8802 95.62 8910 5.9 9903 990M 99MM 99MM 99MN 9905 5.4 9905 5.4 9905 5.4 9902 5.7 9901 5.7 9901 5.7 9901 6.37 7/a 861C 7/a 8701 8701 6.83 6.37 7/a 8701 8701 8701 8701 8701 8701 8701 8701	9702	6.14	2.54
9804 5.62 4.66 98KJ n/a n/a 98KC n/a n/a 9802 5.7 3.13 9801 5.44 2.75 8802 5.62 2.12 8910 5.9 4.51 8903 5.91 3.91 99MM n/a n/a 99MN n/a n/a 9905 5.4 4.49 891B n/a n/a 9901 5.43 n/a 9901 5.71 2.13 89ND n/a n/a 861A n/a n/a 871A n/a n/a 861A n/a n/a 871A n/a n/a 861D n/a n/a 8711 6.83 4.51 8704 6.85 4.1 8704 6.85 4.1 8701 6.37 4.24 8701 6.14 4.92 8611 6.14 4.94 <td></td> <td></td> <td></td>			
98KJ			
98KE n/a n/a 98KC n/a n/a 9802 5.7 3.13 9801 5.44 2.75 8802 5.62 2.12 8910 5.9 4.51 8903 5.91 3.91 99MM n/a n/a 99MN n/a n/a 9905 5.4 4.49 891B n/a n/a 9902 5.43 n/a 9901 5.71 2.13 89ND n/a n/a 861A n/a n/a 861A n/a n/a 861A n/a n/a 861D n/a n/a 8711 6.83 4.51 8704 6.85 4.1 8704 6.85 4.1 8701 6.37 4.24 87NH n/a 4.92 8611 6.14 4.94			
98KC n/a n/a 9802 5.7 3.13 9801 5.44 2.75 8802 5.62 2.12 8910 5.9 4.51 8903 5.91 3.91 99MM n/a n/a 99MN n/a n/a 9905 5.4 4.49 891B n/a n/a 9902 5.43 n/a 9901 5.71 2.13 89NE n/a n/a 861A n/a n/a 871A n/a n/a 861C n/a n/a 861D n/a n/a 8711 6.83 4.51 8704 6.85 4.1 8704 6.85 4.1 870H n/a n/a 8601 6.19 4.92 8611 6.14 4.94			
9801 5.44 2.75 8802 5.62 2.12 8910 5.9 4.51 8903 5.91 3.91 99MM n/a n/a 99MN n/a n/a 99MN n/a n/a 9905 5.4 4.49 891B n/a n/a 9902 5.43 n/a 9901 5.71 2.13 89ND n/a n/a 89NE n/a n/a 861A n/a n/a 861C n/a n/a 861D n/a n/a 861D n/a n/a 8711 6.83 4.51 8704 6.85 4.1 8704 6.85 4.1 870H n/a n/a 8601 6.19 4.92 8611 6.14 4.94	98KC	n/a	n/a
8802 5.62 2.12 8910 5.9 4.51 8903 5.91 3.91 99MM n/a n/a 99MN n/a n/a 99MN n/a n/a 9905 5.4 4.49 891B n/a n/a 9902 5.43 n/a 9901 5.71 2.13 89ND n/a n/a 89NE n/a n/a 861A n/a n/a 871A n/a n/a 861C n/a n/a 861D n/a n/a 8711 6.83 4.51 8704 6.85 4.1 8704 6.85 4.1 87NH n/a n/a 8601 6.19 4.92 8611 6.14 4.94			
8910 5.9 4.51 8903 5.91 3.91 99MM n/a n/a 99MN n/a n/a 9905 5.4 4.49 891B n/a n/a 9902 5.43 n/a 9901 5.71 2.13 89ND n/a n/a 89NE n/a n/a 861A n/a n/a 871A n/a n/a 861C n/a n/a 861D n/a n/a 8711 6.83 4.51 8704 6.85 4.1 870H n/a n/a 87NH n/a n/a 8601 6.19 4.92 8611 6.14 4.94			
8903 5.91 3.91 99MM n/a n/a 99MN n/a n/a 9905 5.4 4.49 891B n/a n/a 9902 5.43 n/a 9901 5.71 2.13 89ND n/a n/a 89NE n/a n/a 861A n/a n/a 871A n/a n/a 861C n/a n/a 861D n/a n/a 8711 6.83 4.51 8704 6.85 4.1 8701 6.37 4.24 87NH n/a n/a 8601 6.19 4.92 8611 6.14 4.94			
99MM n/a n/a 99MN n/a n/a 9905 5.4 4.49 891B n/a n/a 9902 5.43 n/a 9901 5.71 2.13 89ND n/a n/a 89NE n/a n/a 861A n/a n/a 871A n/a n/a 861C n/a n/a 861D n/a n/a 8711 6.83 4.51 8704 6.85 4.1 8701 6.37 4.24 87NH n/a n/a 8601 6.19 4.92 8611 6.14 4.94			
99MN	99MM	n/a	n/a
891B n/a n/a 9902 5.43 n/a 9901 5.71 2.13 89ND n/a n/a 89NE n/a n/a 861A n/a n/a 871A n/a n/a 861C n/a n/a 861D n/a n/a 8711 6.83 4.51 8704 6.85 4.1 8701 6.37 4.24 87NH n/a n/a 8601 6.19 4.92 8611 6.14 4.94	99MN	n/a	n/a
9902 5.43 n/a 2.13 89ND n/a n/a n/a 89NE n/a n/a n/a 861A n/a n/a n/a 871A n/a n/a n/a 861C n/a n/a n/a 861D n/a n/a n/a 8711 6.83 4.51 8704 6.85 4.1 8701 6.37 1.24 87NH n/a 6.19 4.92 8611 6.14 4.94			
9901 5.71 2.13 89ND n/a n/a 89NE n/a n/a 861A n/a n/a 871A n/a n/a 861C n/a n/a 861D n/a n/a 8711 6.83 4.51 8704 6.85 4.1 8701 6.37 4.24 87NH n/a n/a 8601 6.19 4.92 8611 6.14 4.94			
89ND n/a n/a 89NE n/a n/a 861A n/a n/a 871A n/a n/a 861C n/a n/a 861D n/a n/a 8711 6.83 4.51 8704 6.85 4.1 8701 6.37 4.24 87NH n/a n/a 8601 6.19 4.92 8611 6.14 4.94			
89NE n/a n/a 861A n/a n/a 871A n/a n/a 861C n/a n/a 861D n/a n/a 8711 6.83 4.51 8704 6.85 4.1 8701 6.37 4.24 87NH n/a n/a 8601 6.19 4.92 8611 6.14 4.94			
871A n/a n/a 861C n/a n/a 861D n/a n/a 8711 6.83 4.51 8704 6.85 4.1 8701 6.37 4.24 87NH n/a n/a 8601 6.19 4.92 8611 6.14 4.94	89NE	n/a	n/a
861C n/a n/a 861D n/a n/a 8711 6.83 4.51 8704 6.85 4.1 8701 6.37 4.24 87NH n/a n/a 8601 6.19 4.92 8611 6.14 4.94			
861D n/a n/a 8711 6.83 4.51 8704 6.85 4.1 8701 6.37 4.24 87NH n/a n/a 8601 6.19 4.92 8611 6.14 4.94			
8711 6.83 4.51 8704 6.85 4.1 8701 6.37 4.24 87NH n/a n/a 8601 6.19 4.92 8611 6.14 4.94			
8704 6.85 4.1 8701 6.37 4.24 87NH n/a n/a 8601 6.19 4.92 8611 6.14 4.94			
8701 6.37 4.24 87NH n/a n/a 8601 6.19 4.92 8611 6.14 4.94		6.85	4.1
8601 6.19 4.92 8611 6.14 4.94	8701	6.37	4.24
8611 6.14 4.94			
9/ MINI	97MM	6.14 n/a	4.94 n/a

Manhole Reference	Manhole Cover Level	Manhole Invert Level
96MJ	n/a	n/a
96MK	n/a	n/a
961C 96ML	n/a n/a	n/a n/a
96MM	n/a	n/a
961A 971A	n/a n/a	n/a n/a
97MF	n/a	n/a
9605	6.24	5
971B 96KL	n/a n/a	n/a n/a
971C	n/a	n/a
971D 97MD	n/a n/a	n/a n/a
96KJ	n/a	n/a
96LH 7709	n/a 6.39	n/a 3.48
7709	6.29	3.83
77MK	n/a	n/a
77NF 77NC	n/a n/a	n/a n/a
77NH	n/a	n/a
7602 7601	6.24 6.39	4.7 4.58
7704	6.45	4.56
77MN	n/a	n/a
7703 7713	6.89 6.37	4.35 4.63
77KN	n/a	n/a
7621 7610	n/a n/a	n/a n/a
7610 77MC	n/a n/a	n/a n/a
7708	6.18	3.64
7701 761A	6.1 n/a	3.73 n/a
761B	n/a	n/a
771A	n/a 6.77	n/a 4.33
8707 8706	6.77 6.16	1.91
8708	6.38	4.35
8602 8710	6.35 6.83	4.39 4.66
861B	n/a	n/a
7917 7916	5.32 5.32	2.72 2.75
7915	5.31	2.8
7910	n/a	2.98
7914 7913	5.41 5.07	2.87 3.02
7901	4.94	1.5
7904 7919	5.06 n/a	2.39 n/a
7805	n/a	n/a
7911	5.13	3.41
7918 791B	5.14 n/a	2.67 n/a
791A	n/a	n/a
7905 7912	5.32 5.21	2.96 3.71
781A	n/a	n/a
791C 781B	n/a n/a	n/a n/a
7902	5.37	1.76
7906	5.76	3.88
8911 8909	n/a 5.67	n/a 4.34
8904	5.68	2.08
8908 8905	5.52 5.55	3.96 1.97
891C	n/a	n/a
8901 7613	5.61 6.53	1.86
7613 7614	6.53 6.39	4.74 5.01
8606	6.3	4.55
861E 7615	n/a n/a	n/a n/a
7604	n/a	n/a
66NH 66NL	n/a n/a	n/a n/a
8605	6.32	n/a 2.1
7605	n/a	n/a
8604 7606	6.3 n/a	4.52 n/a
7616	n/a	n/a
8610 7617	6.29 n/a	4.09 n/a
7617 7618	n/a 6.11	n/a 5.01
76JF	n/a	n/a
76HC 7607	n/a 6.16	n/a 5.12
76MJ	n/a	n/a
7619 7608	6.37	4.27
7608	n/a	n/a

<u> </u>		
Manhole Reference	Manhole Cover Level	Manhole Invert Level
8603 8609	6.25 6.27	4.44 4.84
7622	n/a	n/a
7609 7620	n/a 6.3	n/a 4.27
6520	6.28	4.78
6506 65LM	6.31	5.29
65MK	n/a n/a	n/a n/a
65MM	n/a	n/a
65NE 65NC	n/a n/a	n/a n/a
6511	n/a	n/a
6512 7612	n/a 6.38	n/a 4.92
75NG	n/a	n/a
75NF	n/a	n/a
751B 75NH	n/a n/a	n/a n/a
7511	6.4	4.85
7510 7508	6.39 6.1	4.86 5.05
75NM	n/a	n/a
7507	6.51	5.34
75NL 77LF	n/a n/a	n/a n/a
6808	5.94	4.75
68LJ 78KN	n/a n/a	n/a n/a
6809	5.95	3.03
78LH	n/a	n/a
68JM 68JC	n/a n/a	n/a n/a
68LL	n/a	n/a
68MD 68JF	n/a n/a	n/a n/a
68JD	n/a	n/a
7804	n/a	n/a
7802 68MF	5.84 n/a	3.2 n/a
78NM	n/a	n/a
78ML 7801	n/a 5.67	n/a 3.09
7803	5.69	3.92
68LC	n/a	n/a
68KH 78ME	n/a n/a	n/a n/a
78NF	n/a	n/a
68ND 7806	n/a n/a	n/a n/a
6807	5.66	4.37
68MN 6907	n/a 5.38	n/a 2.03
69NK	n/a	n/a
68NH	n/a	n/a
6912 68MM	4.72 n/a	2.17 n/a
681B	n/a	n/a
68ML 6914	n/a 5.5	n/a 1.63
6915	5.27	1.67
6913 6917	4.82 4.57	1.52 1.51
69NC	n/a	n/a
6806	5.34	2.58
6918 6919	4.6 4.82	1.82 2.06
6805	5.36	3.72
6903 6803	4.71 5.3	1.07 3.44
6920	4.9	2.26
6921 6804	4.91 5.26	3.31
6908	5.26 4.96	2.5 2.33
68NM	n/a	n/a
78LM 7909	n/a 4.94	n/a 2.63
6707	6.05	4.43
6704 67KL	6.04 n/a	4.24 n/a
67LF	n/a n/a	n/a n/a
67LD	n/a	n/a
6703 67MJ	5.93 n/a	4.58 n/a
67ML	n/a	n/a
6708 6706	5.92 6.73	4.26 3.34
6706 67MH	6./3 n/a	3.34 n/a
67MK	n/a	n/a
7712 77LH	6.05 n/a	3.64 n/a
77LK	n/a	n/a
7705	6.46	1.76

7710 6,73 3,44 77702 6,75 4,27 77711 6,78 4,57 77711 6,78 4,57 77711 6,78 4,57 77711 6,78 4,57 77811 6,78 4,67 78815 6,89 4,16 78815	Manhole Reference	Manhole Cover Level	Manhole Invert Level
7702	77LE		
7711 S.78 4.67 1/2			
Table			
7811	76HK		
78PH	76FF	n/a	
TRINI. n/a	7611		
78NM			
5002 4.9 565NM			
65NIM n/a n/a </td <td></td> <td></td> <td></td>			
55.1.			
SSOI			
65KE n/a	6501		
66LD	55JK		
86LE n/a n/a n/a n/a 6000 6.22 5.14 5.01 6001 6.22 5.14 6.01 6000 6.26 4.31 6000 6.26 4.31 6000 6.26 4.31 6000 6.26 4.31 6000 6.26 4.31 6000 6.26 4.31 6000 6.26 4.31 6000 6.26 6.27 6.27 6.26 6.26 6.27 6.26	65KE		
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6805 6.21 5.01 680LE			
66LE 6606 6.26 4.81 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
6600 6.26 4.81 6614			
6601			
66LK n/a n/a 660LN n/a n/a 660B n/a n/a 66LJ n/a n/a 66LJ n/a n/a 66LJ n/a n/a 6600 6.09 4.68 6600 6.08 4.75 6600 6.03 3.82 6600 n/a n/a 6610 n/a n/a 6611 n/a n/a 6612 n/a n/a 6613 n/a n/a 6514 n/a n/a 6515 n/			
66LN 6609			
660B	66LN		
66LM 6602	6608	n/a	n/a
6602 6609 6.09 6.09 6.09 6.08 4.75 66007 6.03 3.82 66ND 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1	66LJ		
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6603 6607 6.03 3.82 66ND 66NL n/a 66LL n/a 66LL n/a 66LL n/a 66LL n/a 66HM n/a 661B n/a 661B n/a 661A n/a 661B n/a 661A n/a 661A n/a 661B n/a 10/a 651B n/a 651L 10/a 65NL 10/a 10/a 65NL 10/a 65NL 10/a 10/a 10/a 65NL 10/a 10/a 10/a 65NL 10/a 10/a 10/a 65NL 10/a 10/a 10/a 10/a 10/a 10/a 10/a 10/a			
6607 66ND n/a 66LH n/a 66LH n/a 66LH n/a 66LL n/a 66LH n/a 66LH n/a 66LH n/a 66LH n/a 66HB n/			
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66LL 66MM 661B 661A 1/a 661B 671A 661B 671A 681A 1/a 681A 1/a			
66MM 661B			
661A	66MM		
5514	661B		
55MN n/a n/a 65.JJ n/a n/a 65.JE n/a n/a 65HN n/a n/a 65HK n/a n/a 65HK n/a n/a 65HK n/a n/a 65H n/a n/a 65H n/a n/a 65H n/a n/a 65H n/a n/a 65LD n/a n/a 65HM n/a n/a 65HA n/a n/a 65HA n/a n/a 65HB n/a n/a 65HB n/a n/a 65HE n/a n/a 65HE n/a n/a 6516 6.31	661A		
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65JJ			
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65HK 651B			
651B 6514			
65HF 65KC 65KC 65KC 65KC 65KC 65KC 65HM 65HM 65HM 65HM 616 6616 6627 55.28 65HJ 6616 6617 6617 6618 6618 6618 6619 6619 6619 6619 6619	651B		
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The nosition of the apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be guaranteed. Sarvice pince are	OT INIVI	II/a	liva
The nosition of the apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be guaranteed. Service pines are		1	
THE PERIOD OF THE APPRICATE SHOWER OF THE DIGHTS WITHOUT UNHABITATION AND THE ACCURACY CARRIED DE CHARACTER. SERVICE DIDES ARE	The position of the apparatus shown on this plan	is given without obligation and warranty, and the ac-	curacy cannot be guaranteed. Service nines are not

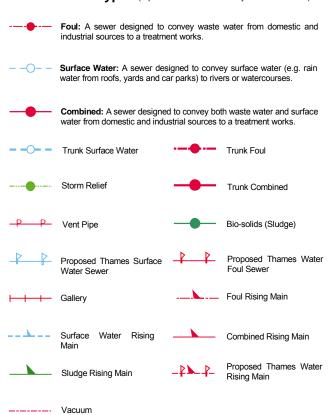


Based on the Ordnance Survey Map with the Sanction of the controller of H.M. Stationery Office, License no. 100019345 Crown Copyright Reserved.

Manhole Reference	Manhole Cover Level	Manhole Invert Level
8002	n/a	-4.15
9001	n/a	-4.06
8001	n/a	-4.23
6003	3.64	.92
6002	n/a	-4.41
6001	n/a	-4.49
5001	n/a	-4.57



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.



Meter

♦ Vent Column

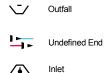
Operational Controls

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



End Items

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.



Other Symbols Symbols used on maps wh

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

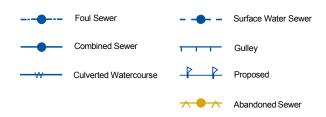
▲ / ▲ Public/Private Pumping Station
 ★ Change of characteristic indicator (C.O.C.I.)
 ☑ Invert Level
 <1 Summit

Areas

Lines denoting areas of underground surveys, etc.



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

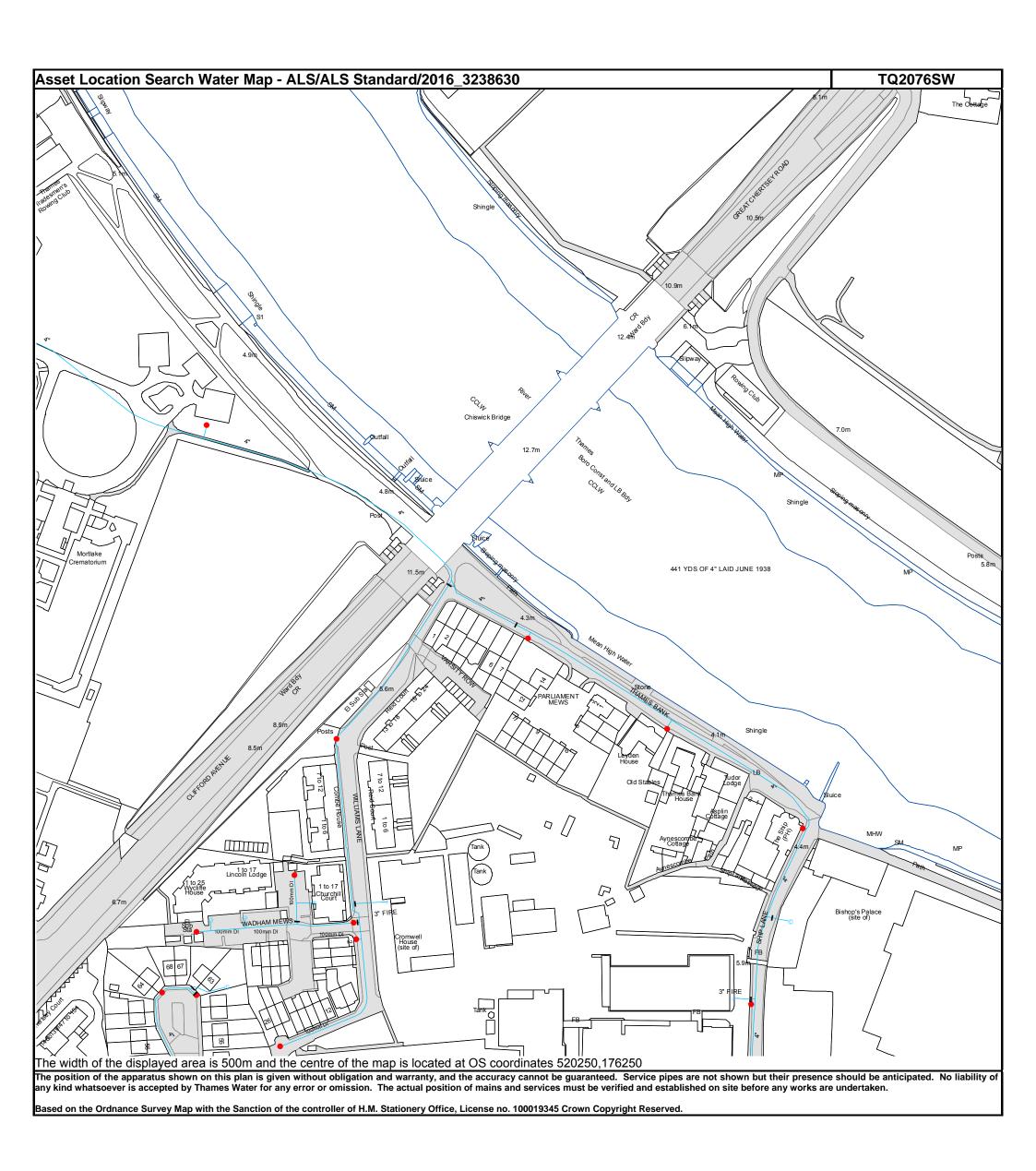


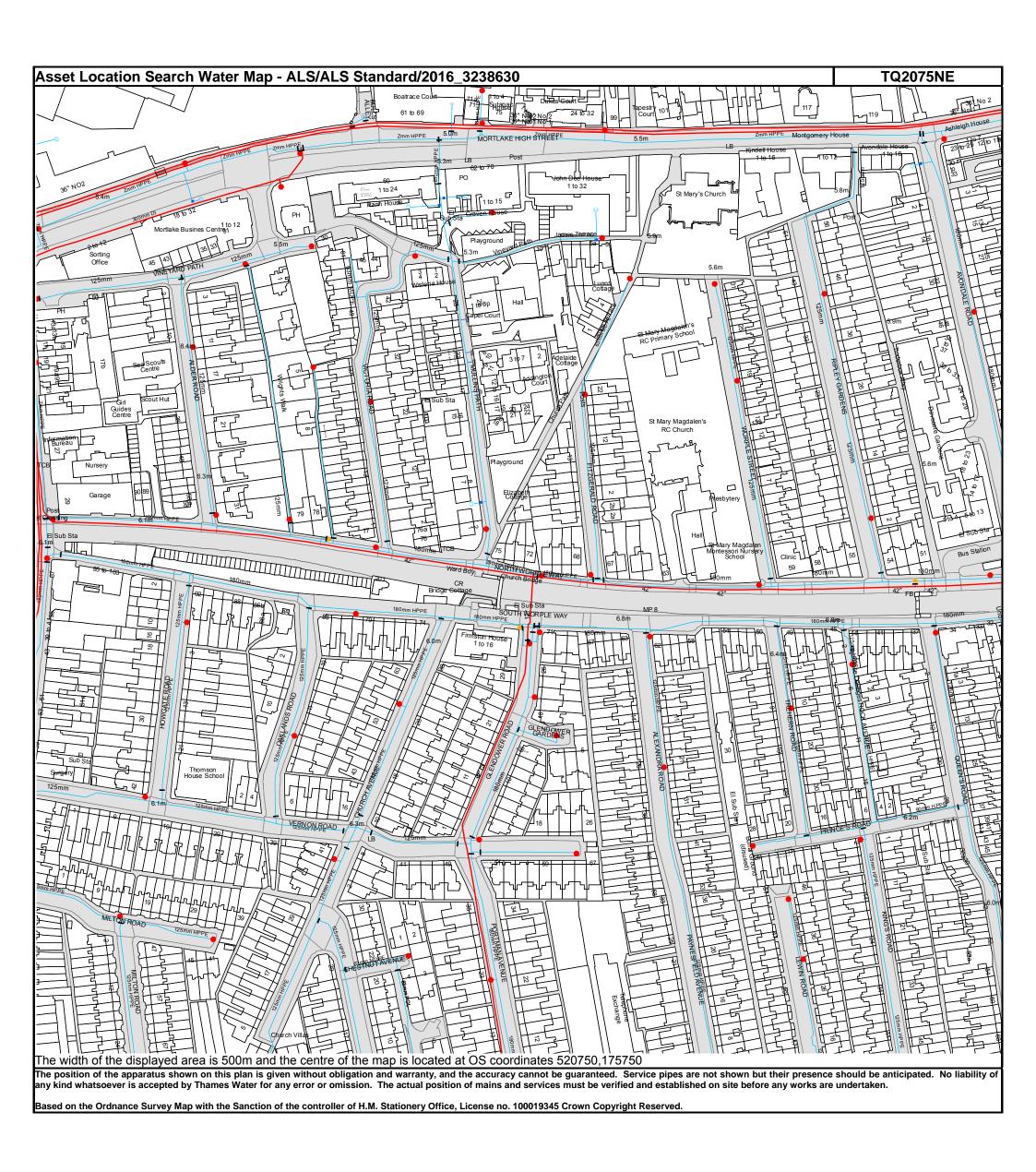
Notes:

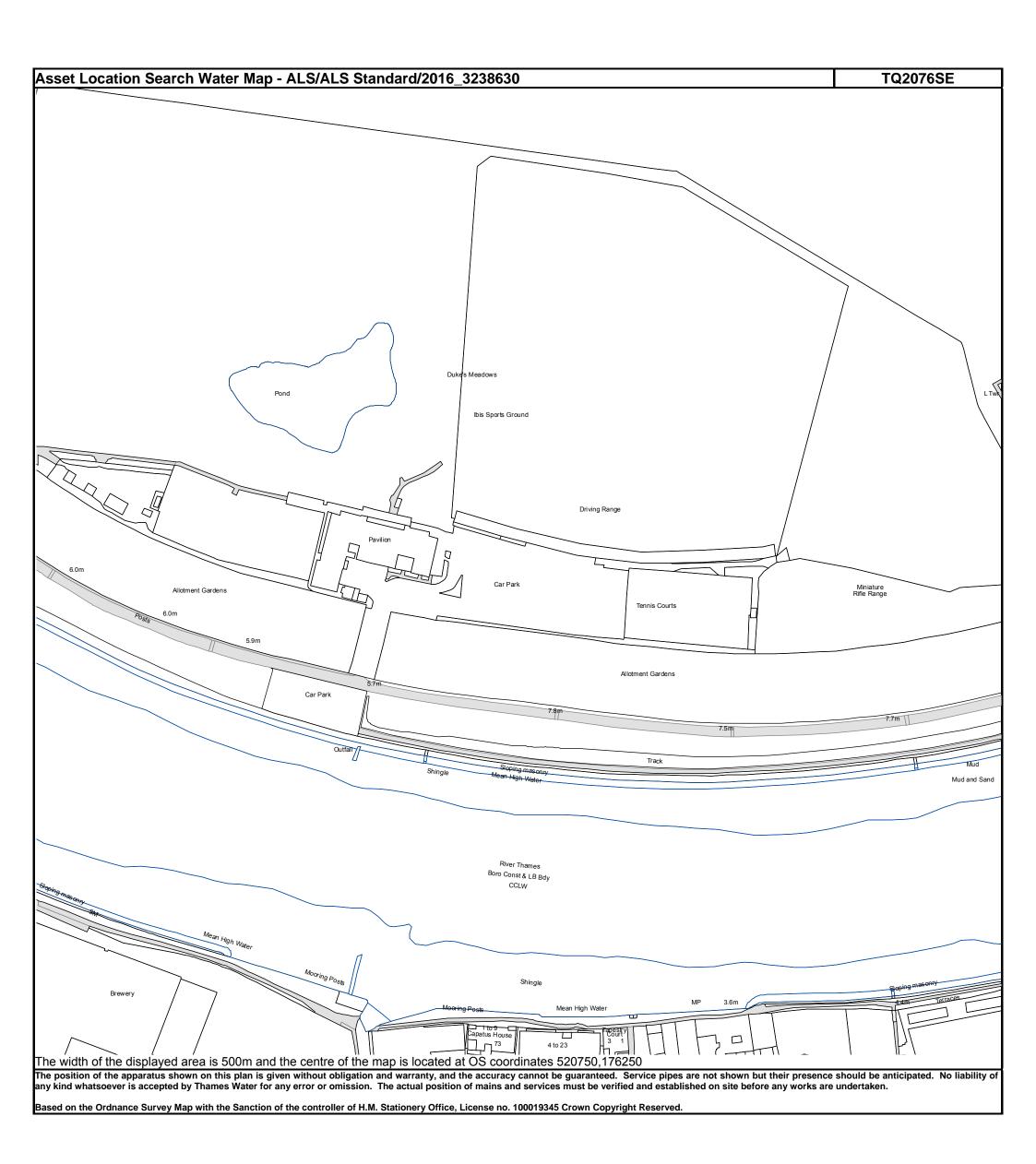
- 1) All levels associated with the plans are to Ordnance Datum Newlyn.
- 2) All measurements on the plans are metric.
- Arrows (on gravity fed sewers) or flecks (on rising mains) indicate direction of flow.
- Most private pipes are not shown on our plans, as in the past, this information has not been recorded.
- 5) 'na' or '0' on a manhole level indicates that data is unavailable.

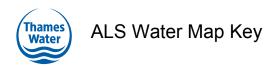
6) The text appearing alongside a sewer line indicates the internal diameter of the pipe in milimetres. Text next to a manhole indicates the manhole reference number and should not be taken as a measurement. If you are unsure about any text or symbology present on the plan, please contact a member of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











3" SUPPLY

3" FIRE

3" METERED

Water Pipes (Operated & Maintained by Thames Water)

Distribution Main: The most common pipe shown on water maps.
With few exceptions, domestic connections are only made to distribution mains.

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.

Supply Main: A supply main indicates that the water main is used as a supply for a single property or group of properties.

Fire Main: Where a pipe is used as a fire supply, the word FIRE will be displayed along the pipe.

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.

Valves

General PurposeValve

Air Valve

Pressure ControlValve

Customer Valve

Hydrants

-	Single Hydran
_	og.oya.a

Meters



End Items

Symbol indicating what happens at the end of ^L a water main.

Blank Flange
Capped End
Emptying Pit

Undefined End

Manifold

Customer Supply

Fire Supply

Operational Sites

$ \bigcirc$	Booster Station
—	Other
—	Other (Proposed)
	Pumping Station
	Service Reservoir
$-\!\!\!-\!\!\!\!-\!\!\!\!-\!\!\!\!-$	Shaft Inspection
	Treatment Works
 •	Unknown
	Water Tower

Other Symbols

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')

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.



Miss Nora Balboni Pickfords Wharf Clink Street SE1 9DG Our ref: DS6041473

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

13 May 2018

Pre-planning enquiry: Confirmation of sufficient capacity

Dear Miss Balboni

Thank you for providing information on your development Stag Brewery, Mortlake, SW14 7QR, OS grid ref. 520380, 176003.

Redevelopment of the former Stag Brewery site to provide mix use development (Flats: 687, Primary School for 1200 pupils, Cinema: 475 seats, Sports Hall: 189 people, Hotel: 20 rooms, Car Home: 220 beds, Offices: 2424m², Warehouse: 5113m²). Foul Water discharging by gravity into multiple outfalls. Surface Water to be attenuated and discharged by gravity and pump into multiple outfalls (50% betterment anticipated from existing sw run-off). Surface Water from the north-eastern part of the site discharging into the River Thames.

If your proposals progress in line with the details you've provided (drawings ref: WIE SA 92 0004 Rev A05, WIE SA 92 0005 Rev A05, WIE SA 92 0006 Rev A05, WIE SA 92 0007 Rev A05) we're pleased to confirm that there will be sufficient sewerage capacity to serve your development.

However, Thames Water has concerns with capacity to the West of the development based on the proposed flows and connection points. We request that the developer updates Thames Water in advance of building phases as they come forwards in order to ensure that any investigative or upgrade works can be carried out before development commences.

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, 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 on 0203 577 8082.

Yours sincerely

Artur Jaroma

Thames Water



C. Onsite Drainage Records