N22 6XJ

THE CHOCOLATE FACTORY

Structural Engineer's Stage 2 Report

Batch No: 001

Date: 10/17

MADE BY FURNESS PARTNERSHIP

Furness
Partnership

Civil and Structural

Engineering Design

THE CHOCOLATE FACTORY, WOOD GREEN

JOB NO 4435

REPORT

STRUCTURAL ENGINEER'S
STAGE 2 REPORT

OCTOBER 2017

Furness Partnership

www.furnesspartnership.com

London 20 Britton Street, London EC1M 5TX

Bradford The Paper Hall, Anne Gate, Bradford BD1 4EQ

This report has been prepared for the sole benefit, use and information of the Client, Workspace Group PLC, for the purposes described and the liability of Furness Partnership Ltd. in respect of the information contained within the report will not extend to any third party.

Revision	Date	Issue Status	Prepared by	Checked by
A	FEB'17	Draft	RM / DG	DG
B	MAY'17	Draft – Amended to suit revised scheme	RM	LF
C	JUN'17	Final	RM	DG
D	OCT'17	Amended to incorporate BW comments	RM	DG

CONTENTS:

1. INTRODUCTION 4
2. SITE AND GROUND CONDITIONS 4
2.1 SITE LOCATION MAP AND BOUNDARIES 4
2.2 PROPOSED SITE PLAN 4
2.3 SITE SURVEYS 5
2.4 EXISTING STRUCTURES 5
2.5 EXPLOSIVE ORDNANCE SURVEY 5
2.6 GROUND INVESTIGATION 5
3. BELOWGROUND DRAINAGE PROPOSALS 7
3.1 FOUL DRAINAGE 7
3.2 SURFACE WATER 7
4. FLOOD RISK 7
5. PROPOSED STRUCTURAL SCHEME 8
5.1 STRUCTURAL DESCRIPTION 8
5.2 STRUCTURAL DESIGN DRIVERS 10
5.3 PROPOSED LOADINGS 10
5.4 FOUNDATION PROPOSALS 10
5.5 SUPER STRUCTURES PROPOSALS 11
5.6 STRUCTURAL OPTIONS: 11
5.7 STRUCTURAL STABILITY 12
5.8 EXTERNAL AREAS 12
6. STRUCTURAL RISK ITEMS AND FURTHER INFORMATION REQUIRED 13

Appendix A – Desktop Geotechnical Assessment
Appendix B – Flood Risk Assessment
Appendix C – Preliminary Structural Drawings

1. Introduction

Furness Partnership has been appointed as the structural / civil consultant for the redevelopments of The Chocolate Factory on Clarendon Road, Wood Green, N22 6XJ.

This report provides an outline description of the main structural and civil aspects of the current scheme provided by Barton Willmore Architects. Presented in this document are structural solutions for this scheme, as well as basic design criteria and additional information that will be required prior to detailed structural design.

This report captures the structural / civil items relating to the detailed planning application that forms part of the greater master planning proposal for the area.

The proposed development for the detailed planning application includes the following:

- Full demolition of Parma House and an existing masonry warehouse as well as partial demolition of The Chocolate Factory leaving Block B and C intact only.
- Construction of four new buildings between 3 and 16 storeys used as residential accommodation with some commercial spaces at lower levels. The Chocolate Factory's existing Block B and C would also be converted into one dedicated commercial building.
- An energy centre within the basement of Block B.
- Provision of carpark at ground level in two of the proposed new build blocks.
- External landscaping to suit new levels and the proposed general arrangement.

2. Site and Ground Conditions

2.1 Site location map and boundaries

The site is located in Wood Green, the London Borough of Haringey with the development centred on approximate co-ordinates 530674E and 190095N. The main site boundaries include Western Road to the North, Mayes Road and Coburg Road to the East and West continuing down to intersect each other on the South side of the site. The site is predominately occupied by The Chocolate Factory and the original buildings used by Barratt's Sweets & Co when they moved into the area in 1882. The main vehicular access point is from Clarendon Road which approaches The Chocolate Factory from the South West of the site.

The site has previously been occupied by a Refuse Destructor, Depot and Warehouse, with a number of peripheral structures demolished and replaced in the early 1980's by Granta House, Mallard Place and Quicksilver Place. The site has generally remained unchanged from this period to the present day.

The portion of the site that is within the detailed planning boundary (blue line) can be considered as four distinct areas identified in Figure 1 and include the following:

1. The main Chocolate Factory building, which is categorised into several interconnected blocks and surrounding car parking. Only blocks B and C are to remain, while the remaining blocks are proposed to be demolished.
2. Parma House (Chocolate Factory 2) is a four-storey high building built during early 1900's. It is a mixture of concrete frame and masonry cladding. This block is proposed for demolition.
3. A free-standing masonry block with pitched roofs, most likely built in early 1900's. Planned for demolition.

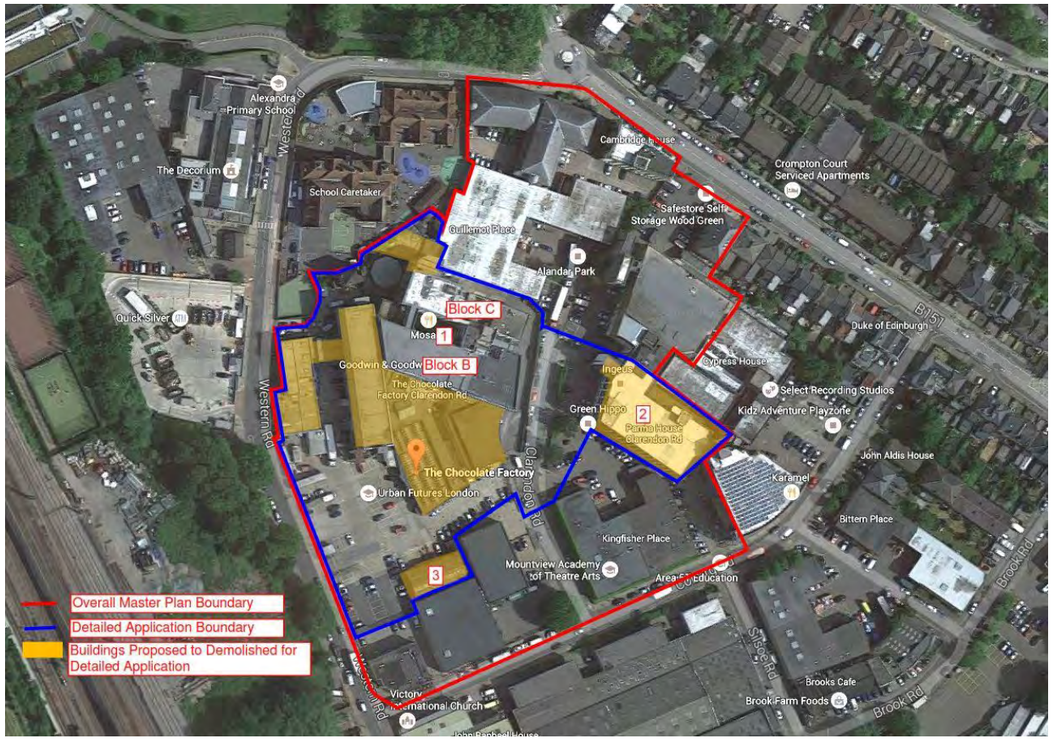


Figure 1 – Site Boundary (north is up the page)

The site bounded for Detailed Planning Application (blue line) is approximately 13,700m^2 (1.37ha) and forms two parcels of land divided by Clarendon Road. The site is bounded to the north by Alexandra High School, to the west by a Safestore self-storage facility, to the south by a cluster of building of various sizes and to the east by a waste recycling centre which forms part of the wider masterplan.

2.2 Proposed Site Plan

The proposed site plan in Figure 2 shows the locations of Buildings A, B, D1, E, and F. Building A is the only block that involves the refurbishment of existing parts of the Chocolate Factory. Across the site the buildings vary between 3 to 16 storeys with the main carparking provided on the ground floor of Building E. The proposed usage of Building A and F is commercial whereas building E is primarily residential with some commercial spaces at the lower levels. Buildings D1 and B are to be fully residential. Hard and soft landscaping is proposed between the new buildings. The roofs of the buildings are either used as PV spaces or green roofs with communal access.



Figure 2 - Proposed Site Plan for the Detailed Planning Application (north is up the page)

2.3 Site Surveys

To date a number of surveys have been performed as part of the detailed planning application. Relevant surveys carried out for the civil / structural and drainage aspects of the project are listed below and will be referred to in this report:

- Topographical survey – completed by Terrain Surveys (Apr 2016) – refer Appendix A
- Below Ground Drainage Survey – completed by GTA Civils (REV B May 2017) – refer Appendix B
- Ground Investigation Desktop Study – completed by Albury SI (Jul 2016) – refer Appendix A
- Envirocheck Report (covers potential sources of contamination, previous industrial land use, flooding and sensitive land uses) – completed by Landmark (Jun 2016) – refer Appendix A

2.4 Existing Structures

There are three buildings within the Detailed Planning Application that are to be fully or partially demolished to make way for the proposed development. The masonry building shown as item 3 in Figure 1 is proposed to be fully demolished to make way for the new Building D1. Item 3 denotes an early 1900 pitched roof warehouse building of double height. Greater attention must be given to The Chocolate Factory and Parma House buildings that are shown as items 1 and 2 respectively in Figure 1. These buildings are primarily early 1900s concrete frame buildings with load bearing masonry walls to the perimeter and a maximum of six storeys tall. There is evidence of historical extensions / refurbishments of these buildings.

The Chocolate Factory consists of several blocks that have been linked together progressively over time. The intention is to demolish all of the blocks with the exception of Blocks B and C, which will be refurbished to form the proposed block A. The existing Parma House is proposed to be demolished to make way for the new block B. On one side the building is attached to an existing Safestore self-storage building that is intended to be retained until it is replaced with a new building as part of the wider master planning scheme. The interface between the proposed demolition and remaining structure would need to be carefully assessed to ensure stability of the structure at all times.

2.5 Explosive Ordnance Survey

An initial search of bombsite.org shows no historical WWII bombing of the site as indicated in Figure 3 below. However, the site is within an area which would have been subject to bombing during the Second World War with targets such as Railway Lines and a Gas Works within 100m of the site. The majority of the site was occupied and has since been redeveloped however, some areas did form residential gardens and there are small areas which remain undeveloped. Hence, there is considered to be a risk of encountering unexploded ordnance (UXO) and it is deemed necessary for a more detailed Explosive Ordnance Threat Assessment to be carried out. The assessment would categorise the risks and make recommendations for any preventative measures that would be required when carrying out the ground works for the project.

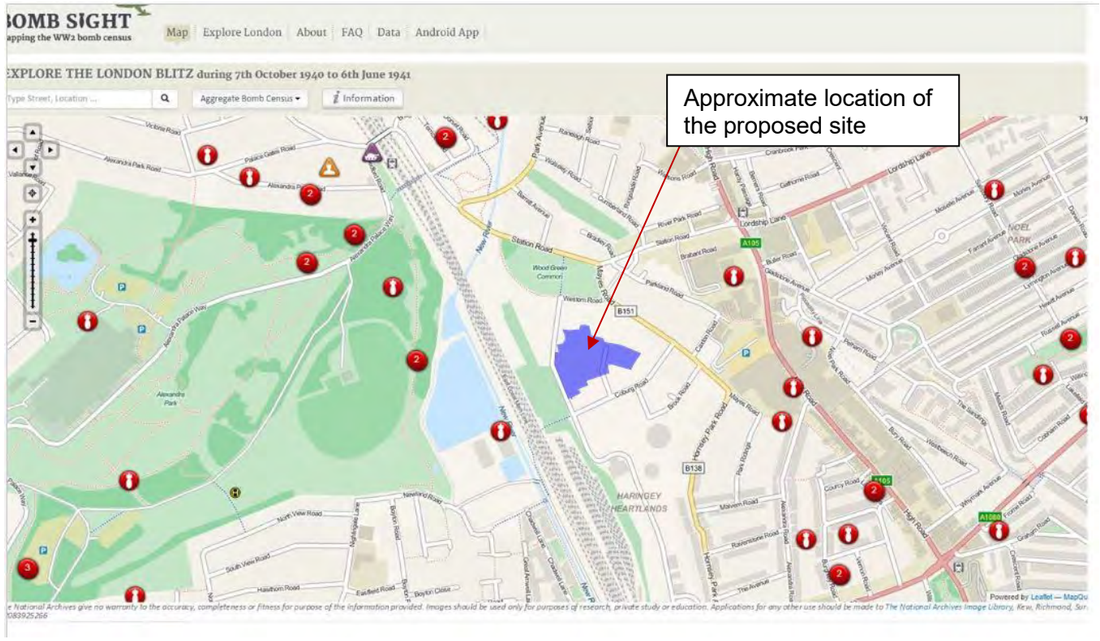


Figure 3 – WWII Bombing records of the London blitz (north is up the page)

2.6 Ground Investigation

A desktop study has been undertaken by Albury S.I. LTD (refer Appendix A) to develop an understanding of the ground conditions through a review of the available geological, historical and environmental sources in addition to a site walk through. Based on the findings of their investigation the anticipated ground conditions have been summarised in Table 1 below.

Table 1: Anticipated Ground Conditions

Strata	Thickness (m)	Depth to Base (m)
Made Ground	TBC by SI	TBC by SI
London Clay	26.4	27
Lambeth Group	12	39
Thanet Sands	7.5	46.5
White Chalk Subgroup	>73.8	>120

A previous site investigation was completed in 1978 by Pynford Services Ltd in the western portion of the site (proposed Block D). Their investigation included 5 no. cable percussive boreholes to depths of 10m and 20m. At each location, a nominal thickness of made ground was noted resting upon soils typical of the London Clay Formation, which appears to be weathered to depths of between 7-8m. The exception was in BH4 and BH5 where the upper margins appear to be organic clay, or possibly made ground, which was proved to a depth of 2.2m. This is suggestive of an outcrop of either Head or possibly reworked London Clay (made ground) to this depth.

Other key findings from the Albury S.I. LTD desktop study that relate to the civil/structural aspects of the project are detailed below.

Ground Contaminations
A thorough site and ground investigation is required to identify any geotechnical or contamination hazards present on or adjacent to the site that might adversely affect the proposed development. Initial investigations indicate that there may be elevated levels of lead in the soil and further investigations will be necessary to determine if appropriate gas barrier membranes are required to deal with either Methane or Carbon Dioxide. In addition to lead the made ground is likely to contain elevated levels of heavy metals, PAH and, due to the age of the former structures, asbestos containing materials (ACM)

The Gasworks 120m to the south of the site is not considered to pose a risk to the development, based upon the underlying geology being very low permeability London Clay which will restrict the migration of contaminations.

It was evident from the walkover survey that there is a borehole/well, previously used by Caxton Chocolate for cooling, which has been left dormant for possibly 25+ years. This well could act as a direct pathway for the migration of contaminants, particularly given the close proximity to the redevelopment and existing adjacent substation compound. Therefore, the redundant water supply borehole present on site should be surveyed and decommissioned in accordance with EA guidance. The location of this feature (shown in Figure 3) will need to be borne in mind when designing the proposed building foundations.

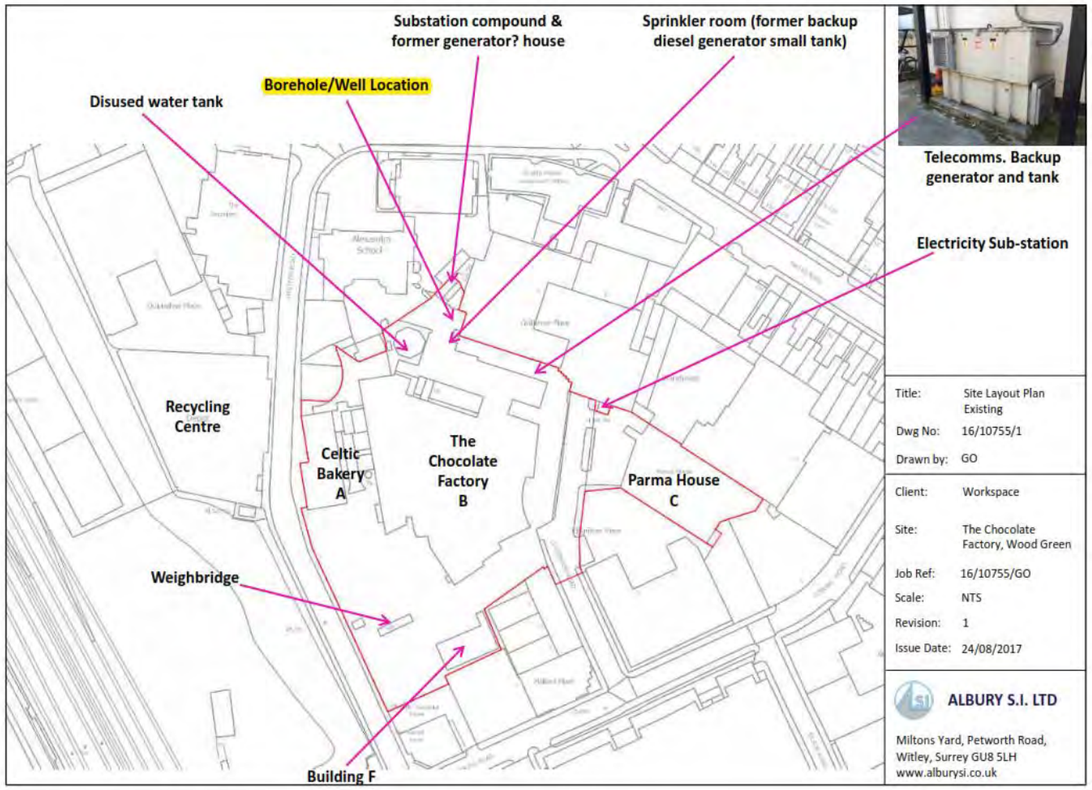


Figure 3 - Existing Site Layout drawing by Albury SI

Radon

The desktop study has shown that the site is in a low probability radon affected area, as less than 1% of properties are above the action level.

Geotechnical Hazards

The site is indicated as being within an area at moderate risk from shrink/swell clay hazards, associated with the London Clay beneath the site. There is potential for made ground beneath the site as well as buried obstructions such as former concrete building foundations. Local infilling of features such as ponds has occurred, and it is possible that some of the residential houses which previously occupied the site had cellars which have been infilled.

Hydrogeology
A thorough investigation is necessary to develop an understanding of the water table and perched water for the design of foundations and to mitigate any risk during foundation and ground works. The desktop study found that based upon the well observations, groundwater was standing at 44.1m below ground level in 1916 and 46.65m in 1992. The principal aquifer at depth is listed as an Inner Zone 1 drinking water Source Protection Zone [SPZ].

3. Belowground Drainage proposals

A Flood Risk Assessment has been prepared by GTA Civils (refer Appendix B), the report provides detailed information on the sites below ground drainage. The proposed drainage strategy is shown in Figure 4 with more detailed provided in Appendix B – Flood Risk Assessment.

The below ground drainage installation shall be designed in accordance with BS EN 752 and Part H of the Building Regulations.

3.1 Foul Drainage

It is proposed to discharge the developments foul drainage into the existing public drains around the site, following a Section 106 application and permission from Thames Water. Thames Water's sewer records for this area shows that the site is served by both surface water and foul effluent sewers. The location, size, depth and identification of existing services are shown on drawing 6079/200 [Rev B] by GTA civils (refer Figure 4 and Appendix B). Information regarding required pipe diameters for the proposed scheme are identified on this drawing.

The proposed drain points and locations are to be approved by the architect. Similarly, approval is required from Thames Water Utilities (TWU) for sewer connections and discharge rates.

3.2 Surface Water

To comply with the National Planning Policy Framework (NPPF), surface water drainage systems must be designed with sustainability in mind. The design intent is to incorporate rain and storm water attenuation measures, to meet the following requirements:

- The consideration of all the elements of SuDS management train.
    1. Harvest rainwater for re-use;
    2. Use infiltration techniques, in permeable soils;
    3. Attenuate rainwater in ponds and open water features, for gradual release;
    4. Attenuate rainwater by storing in tanks or sealed water features, for gradual release;
    5. Discharge rainwater at attenuated rate into watercourse;
    6. Discharge rainwater at attenuated rate to surface water sewer/drain;
    7. Discharge rainwater at attenuated rate to a combined sewer.
- The Environment Agency's (EA's) preferred 1 in 100 limiting flow rate for surface water is to be the urban green field runoff rate of 17 L/s which includes an allowance for climate change.

The soil, London Clay, has a notoriously low permeability and so is *very* unlikely to offer any reasonable infiltration. As there are no watercourses on this site the only option available for discharging the site's surface water is discharging to surface water sewers. Site runoff will continue to discharge to the existing public surface water sewers in Western Road, Clarendon Road and Coburg Road as shown on the proposed strategy in the FRA report (refer Appendix B).

The different parts of the site connect to different branches of the sewer network at different locations. To distribute the volume proportionately around the development, the site was divided into four catchment areas each served by an attenuation tank. The surface water drainage strategy proposed by GTA civils utilises four underground tanks to store the volume of water in the critical '1 in 100-year plus 30% climate change' storm event. This will be pumped to the surface water sewer, pumping is needed due to the flat gradient of the site. The total offsite flow rate is 17.0l/s, this being the Q_{bar} runoff rate. The proposed drainage layout is shown in Appendix B – Flood Risk Assessment.

The proposed design incorporates 443m^2 of 50mm thick sedum roof. Although there will be additional storage volume in these, this is difficult to quantify and any extra is over and above the tanks' volume, making the design conservative.

4. Flood Risk

A flood risk assessment performed by GTA civils has highlighted the following key issues:

- Fluvial – Zone 1 – Low Probability of flooding from fluvial sources which include Hornsey Reservoir to the west and the culverted Moselle Brook to the south. However, neither of these pose a fluvial flood risk to the site.
- Groundwater – Area of low vulnerability and low susceptibility. Any emergence would likely be localised and the Strategic Flood Risk Assessment (SFRA) does not show any registered historical flooding incidents at or near the site.
- Reservoir – Part of the site lies within the risk area in the event of the Hornsey Reservoir breaching (located in Alexandra Park to the west). Likelihood is very low, but consequences could be significant. Velocities will be somewhat mitigated by the railway embankment – the flood pathway would primarily be via the pedestrian underpass west of Coburg Road. Haringey SFRA states that "any development located within this outline should demonstrate that there is egress from the development outside the area of risk".
- Surface Water Flood Risk – The EA's flood map shows that for the 'Low Risk' scenario (1000-year storm event) there is an overland flow route passing east and south through the site. The depth varies across the site with a maximum depth of 0.5m.
- Other flood sources – sewers, groundwater and other artificial sources such as docks or canals have been assessed and none were found to pose any additional risk.

The site is a 'high' flood risk, primarily due to overland flow (surface water). The southern half of the site is also liable to flood in the event of Hornsey reservoir breaching. To mitigate these risks, it is proposed to install passive flood barriers to the external doors of all ground floor units. These will rise only when approaching flood waters push on them. In this way, it does not matter whether occupants are at home or not – or are asleep. This is important as urban surface water flooding can be very flash, as most surfaces are impermeable. The flood barrier to each external door will protect up to 0.8m above ground level. The estimated maximum flood depth is 0.5m.

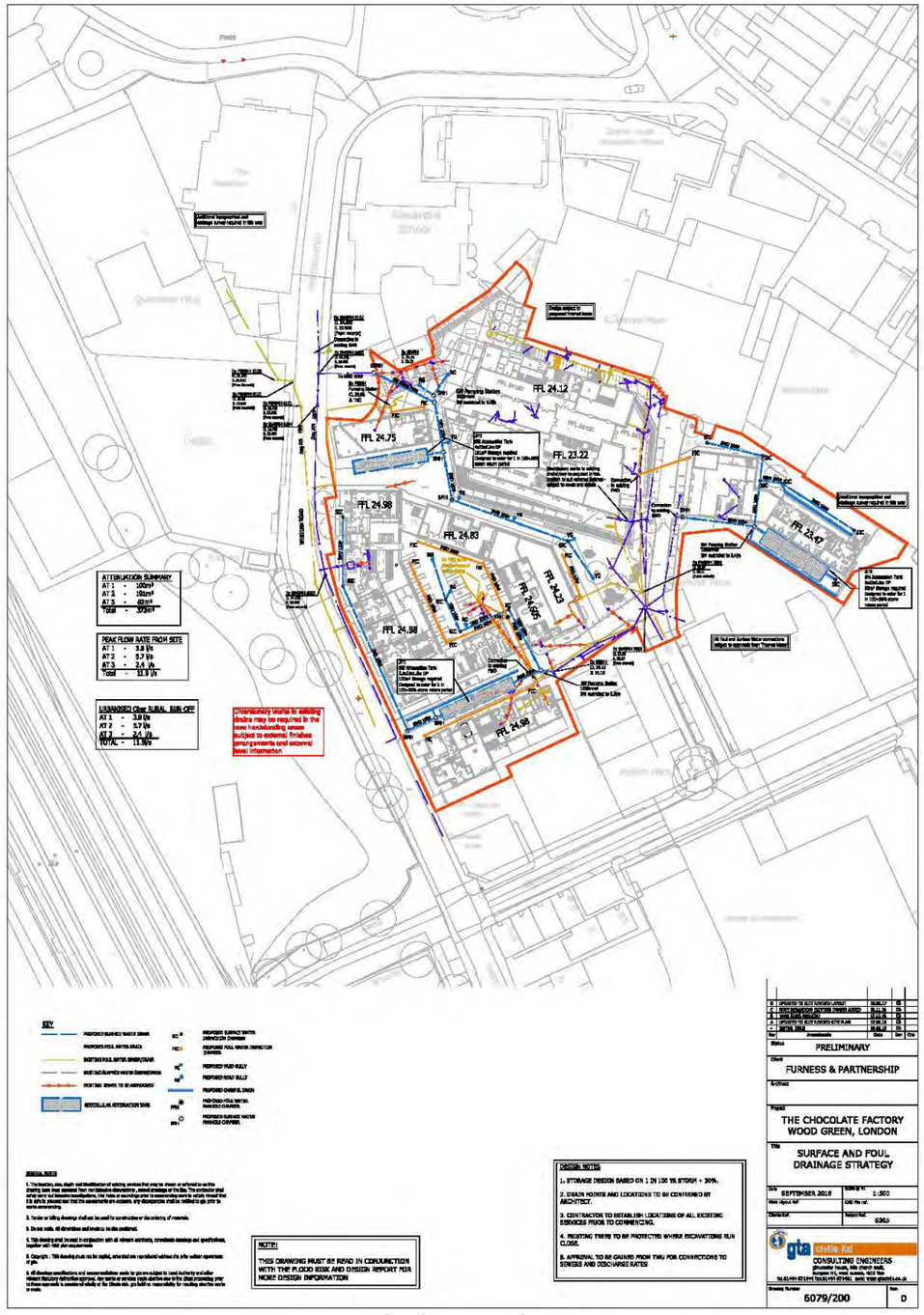


Figure 4: Proposed Surface and foul drainage strategy

5. Proposed Structural Scheme

5.1 Structural Description

The planning comprises seven blocks of various sizes with proposed mixed commercial and residential uses. Block A is the only block intending to retain parts of the existing Chocolate Factory Building and includes adding a roof top extension. The remaining six blocks are new build of varying levels between 3 – 16 floors. The project also involves the demolition or partial demolition of existing buildings and requires a good understanding of the structure that is to be retained.

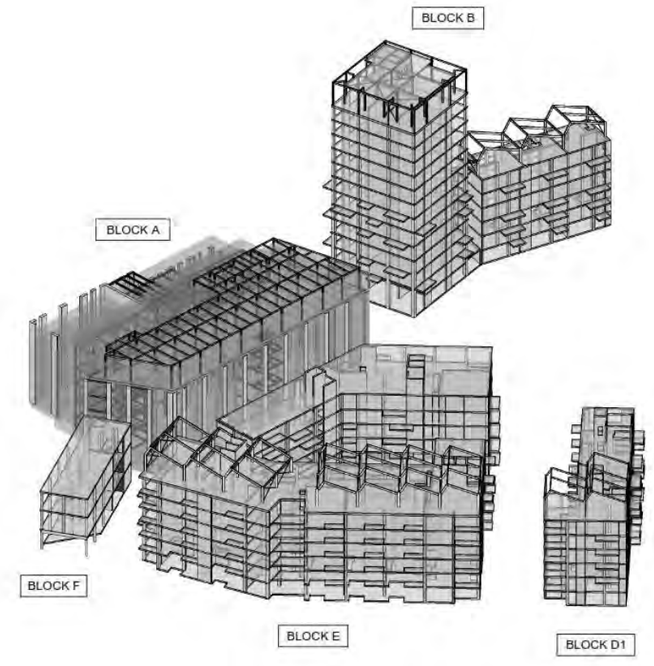


Figure 5 - Proposed Chocolate Factory Isometrics

The following table provides a detailed summary for each of the proposed structural elements.

Table 2 – Structural Description of the Proposed Scheme

Building Reference:	Usage:	Storeys:	Primary Structure:	Comments:
Block A	Commercial	5	Existing RC Frame integrated with new lightweight structure. Steel framed atrium. Composite decks used on walkways and areas supporting plant equipment	• Involves integration of new and existing elements. A full structural survey of the existing building is required. • New light weight structure to be added to the roof tops of existing blocks B and C (refer Figure 2 – Building 1) • New walkways will connect the two wings. Ramps and levels to be determined pending detailed survey. • Ethylene Tetrafluoroethylene (ETFE) roofing system over the central atrium • New voids for stairs and services are to be coordinated with existing structure.
Block B	Residential	High rise = 16 Medium rise = 7	RC Frame with steel structure on the top floor	• Involves the demolition of Parma House, which is partly connected to a self-storage facility (refer Figure 2 – Building 2). • Lightweight steel structure on roof • Two components, one medium rise 7-storey structure and the other a 16-storey high rise. • Movement joint introduced between the two buildings to allow for any differential movement caused by the mass variation • The top floor apartments will be constructed using steel framing • Tallest building on site • Surface flood risk identified and design strategies should be considered on the ground floor (refer FRA report in Appendix B)
Block D1	Residential	Part A – 7 Part B - 4	RC Frame with steel structure on the top floor	• Involves the demolition of an existing masonry structure (refer Figure 2 – Building 3) • Pitched roof structure to be steel construction • Cantilevered balconies • Landscaped roof terrace over part of the building
Block E	Commercial (GF) Residential (GF-6th)	7	RC Frame with steel structure on the top floor	• Involves the demolition of parts of the chocolate factory (refer Figure 2 – Building 1) • Pitched roof structure to be a steel frame • Cantilevered balconies • Structure is to accommodate a carpark on ground floor, with a landscaped podium over and significant ventilation voids. • 400mm deep landscaping build-up to the slab over the carpark • Landscaped roof terrace over part of building. • Surface flood risk identified and design strategies should be considered on the ground floor
Block F	Commercial	3	RC Frame	• Simple rectangular building • Structure can be aligned within a neat grid • First floor overhangs • Smallest building on site

5.2 Structural Design Drivers

The main drivers governing the structural solution are:

- Column grids that can accommodate commercial and residential layouts whilst maintaining a minimum number of transfer structures.
- Where required the structure has been positioned to accommodate tight car park restraints
- Ensuring optimum thickness for all structural elements to provide maximum usable space
- Coordination of old and new structural components
- Minimising the amount of additional load imposed on to the existing structure to ensure the existing foundations are not compromised.
- Contingencies for dealing with potentially degraded existing structures
- Ensuring stability to the buildings, whilst considering the architectural layout
- Sizing the elements to ensure they can be delivered and erected on a confined site.
- Repetitive structural techniques utilised over the entire site for construction speed and ease
- Using a design that considers the tight site constraints to minimise the impact on surrounding residents and businesses during the construction phases
- Landscaping and vent voids to Block E podium slab

5.3 Proposed Loadings

The following proposed loadings have typically been assumed for the design of the buildings:

Table 3: Initial Loading Assumptions

Imposed Loads: (kN/m^2)	**Super Dead:** (kN/m^2)	**Walls:** (kN/m^2)
Retail / Workshop = 5.0	Car park = 2.0	Internal Stud = 1.0
Office = 2.5	Internal = 2.1	Block = 2.5
Residential = 1.5	Terraces = 2.5	Curtain walling = 1.0
Circulation = 3.0	Roof = 2.5	External Cavity walls = 3.4
Store = 5.0	PV Roof = 3.5	
Access Roof = 1.5	Green Roof = 3.5	
Non-assessable roof = 0.6	Landscaping (Block E) = 7.2	
Plant = 7.5 (unless noted otherwise)		
Car Park = 2.5		

5.4 Foundation Proposals

At this stage, only preliminary geotechnical information is available and more details are required before informed recommendations for the proposed scheme can be made. Detailed information will be able to identify if there are underground services, existing foundations or contaminations from the brownfield site. It is possible that the findings of the detailed surveys could potentially have an effect on column positions, possibly resulting in more widely spaced columns or an irregular grid pattern.

The proposed scheme has a mixture of building types and therefore the magnitude of loads varies across the site. In the case of the low-rise buildings, the extent of loading is relatively modest and reasonably shallow foundations may be an option. Whilst the taller buildings have much higher loads, and will therefore require deep foundations. Deep foundations are necessary where the bearing capacity of the surface soils is insufficient to support the applied loads and they are required to be transferred to deeper layers with higher bearing capacity.

The desktop study, found that the site is at moderate risk of shrink/swell clay hazards due to the London Clay beneath the site. This could be a driving factor in avoiding shallow foundations and instead using the deeper piled solution that are less prone to soil movements.

There are a few options that could be considered for the foundations these are detailed below:

Pads- the lighter buildings, for example Block F, could look to implement a combined pad/ground bearing slab foundation system. Pad foundations tend to be the simplest and cheapest foundation type however they can only be used in soils that are relatively strong or when loads are reasonably light. Another influencing factor for using pad foundation is the intended layer of soil. In this case London Clay is at a shallow enough level to justify excavation for a shallow foundation. Typically, shallow foundations are intended to be at approximately 1.5m below existing ground levels.

Raft – In some cases it can be economical to incorporate the ground floor slab with the foundation to make one structural element. Mat or raft and floating foundations can be used when the applied load of building or structure is so arranged as to result in practically uniformly balanced loading, and the soil immediately below the mat is of uniform bearing capacity. A raft slab would typically be reinforced with nominal thickening along the edges. It is likely that internal thickenings would also be incorporated at concentrated load points. As noted above the level of the intended laying strata would be a deciding factor in choosing the raft as a foundation solution.

Piles – Pile foundations are principally used to transfer the loads from superstructures, through weak, compressible strata or water onto stronger, more compact, less compressible and stiffer soil or rock at depth, increasing the effective size of a foundation and resisting horizontal loads. They are typically used for large structures, and in situations where soil is not suitable to prevent excessive settlement.

Piles are classified by their basic design function (end-bearing, friction or a combination) or by their method of construction (driven or bored). End-bearing piles develop most of their friction at the toe of the pile, bearing on a hard layer. The pile transmits load direct to firm strata, and also receives lateral restraint from subsoil. Friction piles develop most of the pile-bearing capacity by shear stresses along the sides of the pile, and are suitable where harder layers are too deep. The pile transmits the load to surrounding soil by friction between the surface of the pile and soil, which in effect lowers the bulb of pressure.

The type of pile will be determined by the soil conditions and the initial study indicates that the piles would need to be designed for skin friction and end bearing within the lower soil deposits of Lambeth group, Thanet Sands and the chalk group. If penetrative piling is required to be undertaken to depths in excess of 30m then a risk assessment may be required to consider the impact upon the principal aquifer at depth. Advice for the pile design would need to be provided by specialist piling contractors in due course. Considering the site constraints and the underlying soil condition, it is likely that a bore piled solution would be chosen for most if not all of the buildings for this project. This method would have the added benefit of avoiding large amount of excavation with potentially contaminated soil waste that can be very costly to dispose.

Movements joints have been introduced within the footprint of Block E in the locations shown in Figure 6. The movement joints have been included due to the building's large size to help control and prevent cracking, permitting between 15-25mm of movement. The position of the joints has been carefully considered as their location has an effect on the overall stability of the structure. Similarly, a movement joint has been introduced within Block B between the high rise and medium size components due to the length of the building and to allow for any differential movement caused by the large mass variation.

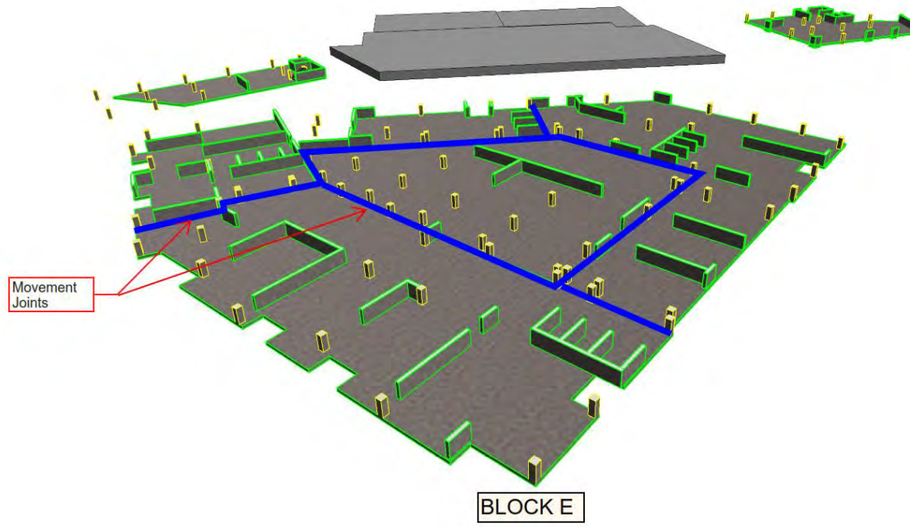


Figure 6 - Isometric showing the movement joints in Block E

5.5 Super Structures Proposals

The structure is to be designed in accordance with the relevant Eurocodes including but not limited to the following:

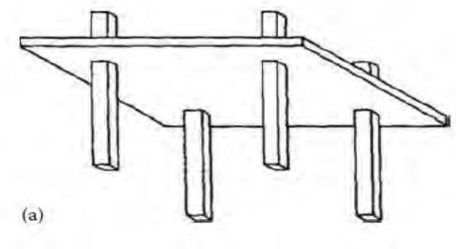
- Eurocode 0: Basis of Structural Design
- Eurocode 1: Actions on Structures
- Eurocode 2: Design of Concrete Structures
- Eurocode 3: Design of Steel Structures
- Eurocode 4: Design of Composite Structures
- Eurocode 6: Design of Masonry Structures
- Eurocode 7: Geotechnical design

Refer to Appendix C for a full set of Preliminary Structural drawings.

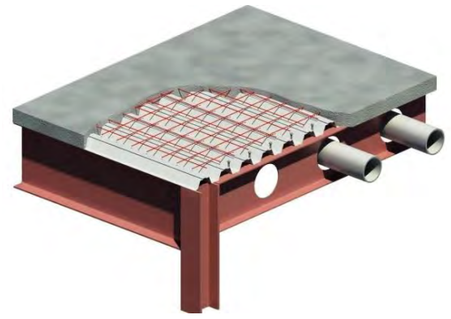
5.6 Structural Options:

A number of structural framing options were explored for each of the blocks.

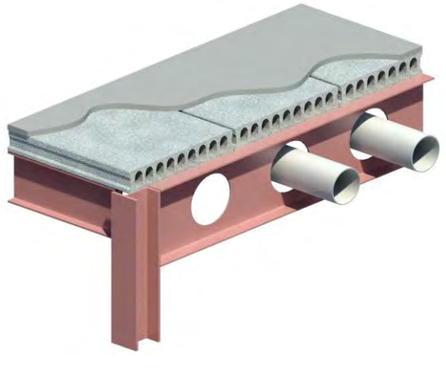
1. Flat Slab – In situ reinforced concrete slab spanning onto columns.



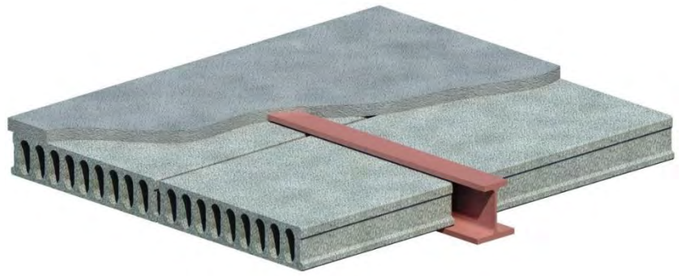
2. Steel frame with composite decking - 150mm deep Comflor 60 or similar



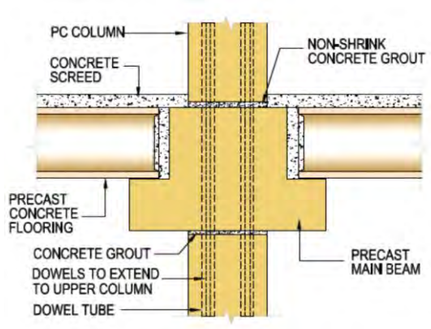
3. Precast Deck on Cellular Beams



4. Precast Deck on Slimfloor beams



5. Precast Deck on Precast System



The options listed 1-5 were reviewed against the design drivers listed in section 5.2, in particular the need to avoid downstands to the perimeters, Mechanical and Electrical service routes and minimising the structural depth. As a result, an in-situ RC flat slab was deemed the most appropriate for all of the blocks. Flat slabs are suitable for the spans required and offer the benefit of a reasonably fast construction time. A flat slab without drops (thickened areas of slab around the columns to resist punching shear) can be built faster because formwork is simplified and minimised.

Flat slabs will also offer considerable flexibility to the occupier as internal layouts can be easily altered to accommodate changes in use. This flexibility results from the use of a square or near-square grid and the absence of beams, downstands or drops that complicate the routing of services and location of partitions. Another benefit of using flat slab construction is no restrictions are placed on the positioning of horizontal services and partitions and floor-to-floor heights can be minimised when there is no requirement for a deep false ceiling. This can have knock-on benefits in terms of lower building height, reduced cladding costs and prefabricated services. It should be noted however that some downstands beams are unavoidable to trim large holes in the slab or when load transfers are required. There are also occasions such as block I, where downstand beams were introduced to limit the thickness of the slab as larger spans were required.

Generally, a thickness of 275mm will be necessary for all the suspended levels, however where larger spans are required a 300mm depth has been specified. RC walls are limited to the stair / lift cores and internal party walls between units. Where possible RC column / wall sizes are kept within the proposed internal / perimeter build ups shown by the architect. Most of the columns are currently shown square and will be refined as the design develops to better suit the architectural layout. A few of the blocks have roof top extensions with a saw-tooth profiled roof which will be constructed out of a series of steel frames. Stability of these frames will be achieved through vertical and horizontal bracing and moment connections. Where possible the steel columns will line up with the structure below, however in some cases transfer slabs are required to deal with layout changes between the levels.

The cantilevered balconies are proposed to be constructed using RC slab with in situ thermal breaks introduced along the line of inside / outside boundaries. This is a proven method of minimizing thermal bridging at these interfaces. All perimeter slabs, walls and columns have been set-out to accommodate a 227mm cladding zone.

Block A is the only proposed building which will retain parts of the existing chocolate factory. Some alterations will be required to allow for layout changes, this includes the creation or infilling of voids due to changes in stair / service locations. All key structural supports are to be retained, with architectural layouts designed to suit the existing layout. The existing walkways will be removed and replaced with a composite steel framed structure. Similarly, the roof structure that will support mechanical services (over the new lift / stair core) will have a composite deck to ensure the heavy plant equipment can be adequately supported. The rooftop extensions proposed over existing block B and C will be as lightweight as possible to minimise the impact the additions will have on the existing super structure and foundations. Ideally, the increase in load will be kept to around 10%. The new build elements between the existing blocks will have new independent foundations that will cantilever to pick up the columns to avoid any interference with the existing foundations. Due to the level differences between the existing Block B and C the level for any link between the two would need to be carefully considered.

5.7 Structural Stability

Overall stability for the structure will be achieved using reinforced concrete shear walls throughout the height of the buildings. As much as possible the shear walls are distributed evenly across the footprint of the building to minimise torsional effects. The floor slabs are designed to act as diaphragms to transfer the lateral loads to the shear walls. Stability of the steel components will be achieved through a combination of braced bays which will carry the lateral forces as axial load in diagonal members and moment frames with fixed connections.

For progressive collapse the buildings are all Consequence Class 2B. The recommended strategy involves either the design for localised failure or the design of columns as key elements.

5.8 External Areas

Further geotechnical investigations will be able to show what kind of remediation works are necessary if the ground is found to be contaminated.

Hard and soft landscaping is proposed between the new building blocks as per the landscaped architect’s drawings.

6. Structural Risk Items and Further Information Required

- An exploratory ground investigation will need to be carried out to assess the risks identified to date and potential sources of contamination. This work should be combined with a geotechnical investigation in order to provide suitable parameters to enable foundation design, hard landscaping and possible soakaways.
- Pile design will be undertaken by a specialist contractor
- There is considered to be some risk of encountering UXO, which should be assessed by a specialist in a detailed UXO assessment.
- A full structural survey will be required for the parts of The Chocolate Factory (Proposed Block A) that are to be retained (existing blocks B and C) to get a complete understanding of the existing condition of these buildings.
- A dimensioned survey of Blocks B and C. It is essential that the location of the existing structure is known before the detailed design phase of the project commences. The levels and level changes across the two existing blocks is currently not well understood and needs further investigation.
- A full structural survey should be completed for the area around Parma House where demolition could affect the self-storage facility.
- Services Ground Radar survey is required to determine the condition of the existing infrastructure and to ensure the proposed drainage strategies are viable.
- Given the age of the buildings additional intrusive asbestos surveys should be undertaken prior to demolition and any asbestos or asbestos containing materials within the existing building fabric addressed.
- Location of key large scale service components, such as attenuation tanks, gas pressure system and sprinkler tanks to be coordinated and confirmed by the architect.

Appendix A – Geotechnical Desk Study

PHASE 1 DESK STUDY

Site

THE CHOCOLATE FACTORY, CLARENDON ROAD, WOOD GREEN, LONDON N22 6XJ

Client

WORKSPACE MANAGEMENT LTD

Consulting Engineer

FURNESS PARTNERSHIP

Report Ref

16/10755/GO/Rev 2

Issued

JULY 2016

ALBURY S.I. LTD

Geotechnical and Environmental Consultants

Miltons Yard, Petworth Road,
Witley, Surrey GU8 5LH

T: 01428 684 836
F: 01428 685 261
info@alburysi.co.uk
www.alburysi.co.uk

CONTENTS

CONTROL SHEET
1 INTRODUCTION 1
1.1 Objectives 1
1.2 Proposed Development 1
2 THE SITE 1
2.1 Site Location 1
2.2 Site Topography 2
3 SITE HISTORY 2
3.1 Historical Mapping 2
3.2 Aerial Imagery 4
3.3 Bomb Damage & Unexploded Ordnance [UXO] 4
3.4 Haringey Archives 4
4 GEOLOGY 5
4.1 Published Geology 5
4.2 Unpublished Geology 5
4.3 BGS Urban Soil Chemistry 6
4.4 Hydrogeology 6
4.5 Radon 6
5 ENVIRONMENTAL SETTING 7
5.1 Hydrology & Flood Risk 7
5.2 Landfill Data 7
5.3 Recent & Current Land Use 7
5.4 Ecologically Sensitive Receptors 7
6 CONSULTATIONS 8
6.1 Local Authority - Environmental Health 8
6.2 Environment Agency 8
6.3 BGS Georecords 8
7 SITE RECONNAISSANCE 8
8 PRELIMINARY RISK ASSESSMENT 9
8.1 Conceptual Site Model 9
8.2 Groundwater 11
8.3 Geotechnical Hazards 11
8.4 Conclusions & Recommendations 11
REFERENCES
LIST OF ABBREVIATIONS

FIGURES

1 Site Layout Plan
2 c.1950s Works Plan
3 BGS Well Record
4.1 Site Photos - NW Corner
4.2 Site Photos - Bakery
4.3 Site Photos - Western
4.4 Site Photos - Northern
4.5 Site Photos - Parma House
4.6 Site Photos - Centre
4.7 Site Photos - Western (Recycling Centre & Quicksilver Place)
5 Conceptual Ground Model

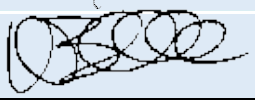
APPENDICES

1 Envirocheck Data
2 Local Authority Response

ALBURY S.I. LTD

PHASE 1 DESK STUDY

Site	**THE CHOCOLATE FACTORY, CLARENDON ROAD, WOOD GREEN**
Client	**WORKSPACE MANAGEMENT LTD**
Consulting Engineer	**FURNESS PARTNERSHIP**

Reference	16/10755/GO	
Revision	2	**Amendments based on Consulting Engineer comments and revised site plan**
Date of Issue	July 2016	**Revision 2 issued September 2017**
Prepared by	**G C D Owens** BSc MSc FGS MIEnvSc Director	
Approved by	**K J Clark** BSc Hons Director	

Albury S.I. Limited has prepared this Report with reasonable skill and care for the sole use of the Client in accordance with the terms and conditions of the contract under which our services were provided. No duty of care and no contractual obligation (whether expressed or implied) is owed to any third party. Should any third party rely on this Report then they do so at their own risk and Albury S.I. Limited shall have no liability whether in contract or in tort, in negligence, for breach of statutory duty or otherwise to any such party. No warranty, expressed or implied, is made as to the professional advice included in this Report or any services provided by Albury S.I. Limited.

This Report is prepared for the specific purpose stated and in relation to the development proposals or usage indicated to Albury S.I. Limited at the time of preparation. The recommendations should not be used for adjacent schemes and may not be appropriate for alternative proposals.

The recommendations made and opinions expressed in this Report are based on the strata conditions revealed by the fieldworks as indicated on the exploratory records, together with an assessment of the data from in situ and laboratory tests. No liability can be accepted for conditions which have not been revealed by the fieldworks, for example, between exploratory positions. While this Report may offer opinions on the possible configuration of strata, both between the excavations and below the maximum depth achieved by the investigation, these comments are for guidance only and no liability can be accepted for their accuracy. The data obtained relate to the conditions which are relevant at the time of the investigation.

The groundwater observations entered on exploratory records are those noted at the time of the investigation. The normal rate of progress does not usually permit the recording of any equilibrium water level for any one water strike. It should be noted that groundwater levels are prone to seasonal variation and to changes in local drainage conditions. The word 'none' indicates that groundwater was sealed off by the borehole casing or that no water was observed in the exploratory hole upon completion.

This Report is the Copyright of Albury S.I. Limited

1 INTRODUCTION

Albury S.I. Limited has been instructed by Furness Partnership, on behalf of the Client, to provide a Phase 1 Environmental Desk Study. This was commissioned to inform an Environmental Impact Assessment (EIA) required to support a detailed planning application for the residential and commercial redevelopment of the site.

1.1 Objectives

The Desk Study comprises a review of the readily available geological, historical and environmental sources for information about the site, together with a walkover survey of the area. This includes the commissioning of an Envirocheck report supplied by Landmark Information Group. This report presents the findings of the Desk Study together with an outline Conceptual Site Model and preliminary risk assessment, based upon identified potential sources of contamination which may pose a significant risk to receptors or end-users of the site.

In preparing this report reference has been made to relevant guidance which includes the 'Investigation of potentially contaminated sites. Code of Practice.' (BSI, 2011) and the EA CLR 11 report 'The Model Procedures for the Management of Land Contamination' (DEFRA and EA, 2004).

1.2 Proposed Development

The Client proposes to redevelop an area known as The Chocolate Factory at Clarendon Road, Wood Green ("the site"), which will entail the demolition of a series of existing structures and the construction of multi-storey buildings of between 3-16 storeys for mixed residential and commercial use. The area of the site is outlined in red in Figure 1.

2 THE SITE

2.1 Site Location

The site is located at Ordnance Survey National grid reference 530670, 190110 within the Wood Green area of London. Broadly, the site is bounded by Coburg Road along its southern boundary, Mayes Road to the north, with Western Road transecting the western half and Clarendon Road present within the southern half of the site.

2.2 Site Topography

The recent OS mapping indicates that there is a slight fall eastwards from 25mOD at Western Road.

3 SITE HISTORY

3.1 Historical Mapping

The historical Ordnance Survey mapping contained within the Envirocheck report has been reviewed. The maps reviewed are included in Appendix 1.

Table 1 - Historical Mapping Summary

Date	Source Scale	Relevant Information	
		On Site	Off Site
1863-1879	1:2,500	The majority of the site forms open land. There is a pond or similar crossing the north west of the site, with part of property known as Moat Cottage partly located on the site. There are structures in the north east of the site with frontage onto Mayes Road.	Railway Line upon embankment located 60m south west, with New River Reservoirs 110m. Tobacco Manufactory with associated Gasometer 120m south. The Moselle surface water feature present within 120m south east of the site and New River 120m north west.
1894-1895	1:528* 1:1,056	Wood Green Confectionary Works now present in eastern half of site. Grove Road and Clarendon Road now present. Residential housing in the south and west of site. The remainder of the site appears to be open land.	Hornsey Gas Works present 180m south east of site. Pond to the west truncated. Railway 140m to the north east.
1896	1:2,500	No significant change.	No significant change.
1914	1:2,500	Confectionary Works extended, with glass roof covered area and two round features in north of site. Moat House and associated pond no longer present, replaced by Refuse Destructor.	Screw Manufactory within 40m south east. Laundry 150m north east. School now present on north west boundary. Railway Sidings now present within 60m south of site and 40m east of site. The Moselle to the south east is no longer present.
1935	1:2,500	Factory extended in northern part of site, with extension of glass roofed area. Some smaller structures in centre of site removed.	Railway Sidings to the west now extended closer to site, with Carriage Shed within 20m west of site. Further Gasometer now present 100m south east of site.
1955-1956	1:2,500 1:1,250	Further extension to factory now in centre of site. Electricity Sub station now identified on northern boundary. Tanks and Chimney identified in west of site associated with Refuse Destructor.	Laundry to the north east is now a Milk depot. Plastic Moulding Works now present 110m north and 60m south east. Possible bomb damage clearance area 20m north east of site.

1969 (1964-1973)	1:1,250	Area of terraced housing cleared in west centre of site. Two further structures now present in south of site. Two circular tanks now present in north of site.	Railway 140m to the north east now identified as Dismantled. Clearance area 20m to the north east developed to social security offices.
1973-1974	1:1,250 *	No significant change.	No significant change.
1978 (1955-1989)	1:1,250	Electrical sub-station now present in centre of site. Confectionary Works no longer identified. Refuse Destructor in west of site no longer present. Buildings in northern half of site no longer present. Housing in south east of site no longer present. Further tank now present in centre west of site. Milk Depot now present on area of former housing in west of site.	Car Breakers Yard present on north west boundary of site. Garage and probable fuel station 150m east of site.
1981 (1977-1981)	1:1,250	Northern part of site redeveloped to form Guillemot Place. Kingfisher Place now present in south east of site. Housing in south of site no longer present and replaced by structures including Mallard Place. Further structures in west centre of site. Structure in centre of site identified as Factory.	Part of Screw Manufactory to the south east no longer present, now simply identified as Factory. Quicksilver Place now present in place of former Refuse Destructor to the west.
1987 (1987-1989)	1:1,250	Granta House now present in north of site, with Cambridge House now identified. Works in east of site.	Factory to the south east appears to have been extended. Gas Works now identified as a Gas Holder Station. Breakers Yard on northern boundary no longer present.
1989 (1971-1989)	1:1,250 *	Further tank now present in centre west of site.	Carriage Sheds and associated sidings no longer present to the west.
1991	1:1,250	No significant change.	No significant change.
1991-1995	1:1,250 *	No site coverage.	Factory to south east now identified as Trading Estate.

*indicates partial mapping coverage

At the time of the earliest mapping the site generally formed part of open land with some structures in the north and west of the site. The majority of the site has been occupied by Wood Green Confectionary Works from sometime between 1879 and 1895 to between 1974 and 1978 when it was no longer identified. The site has also been occupied by a Refuse Destructor, Depot and terraced housing. During the following years the site was subdivided into a Factory, Works and Warehouse, with a number of peripheral structures demolished and replaced in the early 1980s by Granta House, Mallard Place and Quicksilver Place. The site has generally remained unchanged from this period to the present day.

Anecdotally it is known that the Barratt's Sweet Factory occupied the site and did have six no. steam coke/coal fired boilers on the site. This was modernised in the 1960s and replaced

by oil-fired boilers. Various departments included Blacksmiths, Farriers, Coachworks and later vehicle maintenance. Building C was destroyed by fire in 1899 and rebuilt. Barratt's moved from the site in 1980 and, subsequently, the site was occupied for a short period by Caxton Chocolate, from which the site takes its name The Chocolate Factory.

3.2 Aerial Imagery

Consideration of the modern aerial imagery contained within Google Earth suggests that the site has remained relatively unchanged between 1999 and the present day, with little or no major development works evident.

The Britain from Above website has also been reviewed for any historical aerial imagery of the site. It is possible that a chimney was present in the centre north west of the site, adjacent to the existing building. This is believed to be a cooling tower, which would correspond with the size and shape of the water tank in this area.

3.3 Bomb Damage & Unexploded Ordnance [UXO]

A review of the digital resource BombSight does not reveal any strikes on the site itself. However, information provided by the Haringey Archives indicates a HE strike at the Barratt Factory at the junction of Coburg Road and Mayes Road in 1940. A bomb damage map for the Wood Green area was not held by the Haringey Archive.

The site is within an area which would have been subject to bombing during the Second World War, with targets such as Railway Lines and a Gas Works within 100m of the site. The majority of the site was occupied and has since been redeveloped, however, some areas did form residential gardens and some small areas were undeveloped. Hence, there is considered to be a risk of encountering UXO, which should be assessed by a specialist in a detailed UXO risk assessment.

3.4 Haringey Archives

A visit was made to inspect records held by Haringey Archives relating to the Barratt's Factory. A works plan dated c.1950 was reviewed and the features are marked on the 1955 OS map of the time in Figure 2. Other information suggests that Barratt's had their own in-house laboratory and an x-ray machine for screening of outgoing goods. The factory would also have had a steam engine and electric generator on site. The site had an incinerator house, which is now covered by the existing Chocolate Factory building.

Other features noted within the blue outlined masterplan area and which will require further consideration are a petrol pump, which would probably have had below ground storage tanks, in the north of the site. The site also had its own Air Raid Shelters in the north

east of the site, which would have been substantial to cater for the large workforce which would have been at the factory. The main boiler house and chimney were located in the north centre of the site, approximately in the area of the car park of Guillemot Place.

4 GEOLOGY

4.1 Published Geology

An examination of the 1:50,000 British Geological Map of the area, sheet 256 North London (2006) indicates that the site is underlain by the London Clay Formation of Eocene age. At depth the London Clay is underlain by the older Lambeth Group of Palaeocene age. This is in turn underlain by the Thanet Sand Formation which rests unconformably upon the White Chalk Subgroup of Cretaceous age.

There are areas within 150m of the site of landscaped ground to the south, worked ground to the west and a propensity for Head deposits to the north and north west. An extract is included in Appendix 1.

4.2 Unpublished Geology

The records of the BGS have been reviewed and a water abstraction well was constructed on site for the former Barrett's Sweet Factory c.1909. Based upon this record the anticipated ground conditions beneath the site are summarised in tabular form below. A copy of the log is included as Figure 3 and, based upon the anticipated ground conditions, a Conceptual Ground Model is presented as Figure 5. A sketch plan included with the log indicates that this was located inside the building located north west of Clarendon Road.

Table 2 - Anticipated Ground Conditions

Strata	Thickness m	Depth to Base m
Made Ground	TBC by SI	TBC by SI
London Clay	26.4	27
Lambeth Group	12	39
Thanet Sands	7.5	46.5
White Chalk Subgroup	>73.8	>120

A previous site investigation was undertaken by Pynford Services Ltd for Caxton Chocolate in the west of the site (Block D) in July 1978. This included 5 no. cable percussive boreholes to

depths of 10m and 20m. At each location a nominal thickness of made ground was noted resting upon soils typical of the London Clay Formation, which appears to be weathered to depths of between 7-8m. The exception was in BH4 and BH5 where the upper margins appear to be organic clay, or possibly made ground, which was proved to a depth of 2.2m. This is suggestive of an outcrop of either Head or possibly reworked London Clay (made ground) to this depth.

4.3 BGS Urban Soil Chemistry

The BGS urban soil chemistry dataset indicates that the west of the site lies within an area where elevated concentrations of lead in the vicinity of 430mg/kg to 1350mg/kg have been recorded.

4.4 Hydrogeology

The site is underlain by a non-aquifer or aquiclude, which corresponds with the London Clay Formation, which confines the underlying bedrock aquifers. The Lambeth Group is indicated as being a predominantly low productivity or low permeability aquifer, which is dependent upon the units' lithology. The Thanet Sand Formation is a moderately productive aquifer, which is generally in hydraulic continuity with the underlying principal Chalk aquifer. Collectively, the more permeable strata of the Lambeth Group, together with the Thanet Sand Formation and Chalk subgroup, form the Chalk-Basal Sands principal aquifer of the London Basin.

Based upon the well observations, groundwater was standing at 44.1m below ground level in 1916 and 46.65m in 1992. The principal aquifer at depth is listed as an Inner Zone 1 drinking water Source Protection Zone [SPZ].

A license exists for groundwater abstraction from the principal Chalk aquifer via the borehole/well present on site. The operator is listed as being Urban Hill Ltd and was used for Cooling. Information obtained suggests that this well is licensed but not currently in use. There are Thames Water Utilities potable water abstractions listed 211m north west at Station Road and 236m south of the site.

4.5 Radon

The Envirocheck report indicates that the site is in a lower probability radon affected area as less than 1% of properties are above the action level. Moreover, no protective measures as described in BRE report BR211, are necessary in the construction of new properties or extensions.

5 ENVIRONMENTAL SETTING

5.1 Hydrology & Flood Risk

The New River, an artificial waterway, is present within 107m of the site beyond the Railway embankment to the west, orientated in a north-south direction, with two reservoirs also sited to the west.

The site is not within an area at risk from flooding from Rivers or Sea. However, there are areas of the site at high risk from surface water flooding.

5.2 Landfill Data

There are no active or inactive registered landfill sites listed in the Envirocheck report within 1km of the site. There is a waste recycling site located in the west of the site, which has a very small input rate.

There is potentially an infilled pond in the west of the site associated with Moat Cottage, infilled between 1895 and 1914. There is potential for made ground. However, ground gas generation will have long since ceased and poses a very low risk.

5.3 Recent & Current Land Use

The site has historically been occupied by Confectionary Works and residential housing, later being subdivided into separate Chocolate Factory, an unspecified works and warehouse. An electrical sub-station is present on site and on the northern site boundary. The site is currently used for smaller commercial ventures. The current Chocolate Factory is a mixture of small office based ventures and workshops.

The western arm of the site has been occupied by a refuse destructor and a depot, both of which were previously occupied by residential dwellings.

A Gas Holder Station (former Gas Works) is present 128m south east of the site and is listed as being an active COMAH site. A former Fuel Station is listed as obsolete at 76-78 Mayes Road, 151m east of the site.

5.4 Ecologically Sensitive Receptors

The following are considered to be sensitive environmental or ecological receptors and are highlighted within the Envirocheck report. Alexandra Palace & Park is a Local Nature Reserve 162m to the west.

6 CONSULTATIONS

6.1 Local Authority - Environmental Health

As part of the Desk Study enquiries were made with the Local Authority, London Borough of Haringey, to provide any past investigations relating to the site. A copy of their response is included as Appendix 2 and they have no relevant environmental information to supply.

6.2 Environment Agency

An enquiry was made to the Environment Agency as to the status of the water borehole/well present on site. They have confirmed that the license for this well was revoked in 1999 and a copy is included in Figure 3.

6.3 BGS Georecords

The BGS hydrogeological department were approached for information on the fate of the well. The latest information provided dates from 1992 and is included with the record in Figure 3. It is recommended that the well is decommissioned in accordance with current guidance and that the details are passed to BGS.

7 SITE RECONNAISSANCE

A visit to site was made on 6th July 2016, where a walkover survey was undertaken, primarily focusing on the area outlined in red on the plan presented as Figure 1. At the time of the survey conditions were clear and sunny.

The site can be considered as three distinct areas and are identified by letters on the plan. There is vehicular access from Clarendon Road with further access from Western Road. Parma House is in the east of the site and is primarily occupied by offices, with a goods entrance and associated loading bay at ground floor level with goods lift. There is an area of car parking and a fenced electrical sub-station to the front.

The Chocolate Factory consists of artist studios with some smaller workshops also present. Externally in this area was a telecommunications backup generator, which we were informed contains a small fuel tank. A sprinkler room is present in this area and until recently this had a backup diesel generator with a small associated tank. An internal inspection of this room was not made at the time. To the north of the Chocolate Factory building is a small storage room where what is believed to be the borehole well head is located. This leads to an open area where a substantial electrical sub-station compound was

noted. A door to an ancillary single storey structure is present off the compound and this may have been a backup generator house. This room had liftable covers and standing water was observed together with various cabling. A further sealed door was present leading to the north west, possibly to another building associated with Alexandra School, however, due to lack of light it was not possible to confirm this.

The Celtic Bakery and an area of concrete covered car park form the western centre site area, with access from Western Road and a steel weighbridge present. Two smaller units (Building F) is present in the south of this western centre area and a hazard notice“2SE Hazchem” for the storage of hazardous materials was noted. An internal inspection was not made at the time. A steel drum was observed to the front of this building.

To the rear of the Celtic Bakery and Chocolate Factory is a service yard, which consists of an approximately 12ft deep covered hexagonal water storage tank. This is situated at a higher level than surrounding ground level. This is believed to have originally been a cooling tower, later used as a tank for storing water as part of a sprinkler system (now disused). Incoming mains gas was observed in this area within an enclosed room. A further door with electrical warning sign was also noted in this area.

8 PRELIMINARY RISK ASSESSMENT

8.1 Conceptual Site Model

In accordance with the report CLR 11 a Conceptual Model has been prepared for this site. The model prepared for the site in tabular format below lists potential sources of contamination, identified receptors on and within the immediate vicinity of the site, together with the pathways between them. A pathway must exist for an identified source to pose a risk to a receptor, thereby forming an active pollutant linkage.

The primary receptors are considered to be future residents (human health), surrounding ecology (plants and animals), controlled waters and proposed buildings.

A qualitative assessment of the risk of each potential pollutant linkage is given based upon the CIRIA guidance document ‘Contaminated Land Risk Assessment: A Guide to Good Practice’ (Rudland, Lancefield and Mayell, 2001). The risk is a combination of the probability or frequency of occurrence of a defined hazard and the magnitude of the consequences of the occurrence.

The Conceptual Model prepared primarily relates to the detailed planning application area outlined in red. This is also presented graphically as a Conceptual Ground Model as Figure 5.

Table 3 - Preliminary Conceptual Site Model			
Source(s)	**Potential Pathway(s)**	**Receptor(s)**	**Risk Level**
Made ground associated with demolished structures Ash associated with former incinerator - *PAH, Heavy Metals and ACM (Asbestos)*	Direst Ingestion and Inhalation of soil and dust	Site Workers, Future End Users	Low to moderate
Ground gases and vapours generated from made ground and local infilling of ponds	Migration	Current and Future Site Occupiers	Low
Electrical sub-stations and former Generator House (*PCBs*)	Dermal contact, ingestion and inhalation	Site Workers	Low to moderate
	Surface water migration and leaching into water well/borehole	Principal Aquifer and SPZ	Low to moderate
Backup Generators - *Hydrocarbons Kerosene or Diesel*	Dermal contact, ingestion and inhalation	Site Workers	Low to moderate
	Surface water migration and leaching into water well/borehole	Principal Aquifer and SPZ	Low to moderate
Gas Works 120m to the south (off site)			Negligible
Asbestos (ACM) containing materials within existing buildings	Inhalation	Site Workers	To be assessed by specialist building survey and addressed prior to demolition

Made ground associated with previously demolished structures will be present, however, it is believed that the mitigated risk will be low and that this can be dealt with as part of the ongoing development. The made ground is likely to contain elevated levels of heavy metals, such as lead, PAH and, due to the age of the former structures, asbestos containing materials (ACM).

The Gasworks 120m to the south is not considered to pose a risk to the development, based upon the underlying geology being very low permeability London Clay which will restrict the migration of contaminants.

Local infilling of features such as ponds has occurred, but given the time since this has occurred the likelihood of significant ground gases being generated is low.

Given the age of the building asbestos surveys should be undertaken prior to demolition and any asbestos or ACM within existing building fabric addressed.

8.2 Groundwater

The principal Chalk aquifer at depth is overlain by the London Clay Formation which will afford it significant protection. Where penetrative piling is to be undertaken to depths in excess of 30m then a risk assessment may be required to consider the impact upon the principal aquifer at depth.

8.3 Geotechnical Hazards

The site is indicated as being within an area at moderate risk from shrink/swell clay hazards, associated with the London Clay beneath the site. There is potential for made ground beneath the site and potential for buried obstructions such as former concrete building foundations. If the residential houses had cellars then these would also have been infilled.

We are not aware of any active London Underground tunnels beneath the site. The Piccadilly Line lies between 250-500m to the east, trending north west-south east, whilst an overground railway line is present within 100m to the west situated upon an embankment. Nevertheless, routine statutory enquiries should be made to confirm this.

8.4 Conclusions & Recommendations

The site has historically been occupied by a factory, which has been partly redeveloped since the 1980s in a piecemeal fashion, with some of the original structures having been retained and refurbished.

An exploratory ground investigation should be carried out to assess the identified risks and identified potential sources of contamination. This work could be combined with a geotechnical investigation in order to provide suitable parameters to enable foundation design. A detailed UXO assessment should be undertaken which may specify that a UXO engineer is in attendance depending upon the outcome of the assessment.

It was evident from the walkover survey that the borehole/well had not been used for a number of years, possibly 25+ years, since it was last used by Caxton Chocolate for cooling. This well could act as a direct pathway for the migration of contaminants, particularly given the close proximity to the redevelopment and existing adjacent substation compound. Therefore, the redundant water supply borehole present on site should be surveyed and decommissioned in accordance with EA guidance. The location of this feature should also be borne in mind when designing the proposed building foundations.

The proposed scope of investigation should be agreed with the Local Authority Contaminated Land Officer and, if necessary, the warranty provider in order to ensure that it meets with their approval.

REFERENCES

- British Standards (1990). Methods of test for soils for civil engineering purposes, BS 1377. *British Standard Institution, London.*

- British Standards (2011). Investigation of potentially contaminated sites. Code of Practice. BS 10175. *British Standard Institution, London.*

- British Standards (2013). Guidance on investigations for ground gas. Permanent gases and Volatile Organic Compounds (VOCs). BS 8576. *British Standard Institution, London.*

- British Standards (2015). Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings. BS 8485. *British Standard Institution, London.*

- British Standards (2015). Code of practice for ground investigations, BS 5930:2015. *British Standard Institution, London.*

- Building Research Establishment [BRE] (2004). *Cover systems for land regeneration: Thickness of cover systems for contaminated land (BR 465)*. Watford: Author.

- BRE (2005). *Concrete in aggressive ground: Special Digest 1* (3rd Ed.). Watford: Author.

- Contaminated land: Applications in Real Environments. (2013). *SP1010: Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination – Final Project Report.*

- Chartered Institute of Environmental Health and Contaminated Land: Applications in Real Environments (2008). *The Guidance on Comparing Soil Contamination Data with Critical Concentration.* London, UK.

- Environment Agency (2004). *Model Procedures for the Management of Contaminated Land.* Contaminated Land Report (CLR) 11, SC02000028, Environment Agency, Bristol, UK.

- Environment Agency (2015). Interpretation of the definition and classification of hazardous waste. 1st edition. Technical Guidance WM3. *Environment Agency, UK.*

- Nathanail, C.P., McCaffrey, C., Gillett, A.G., Ogden, R.C. and Nathanail, J.F. (2015). *The LQM/CIEH S4ULs for Human Health Risk Assessment.* Land Quality Press, Nottingham. Publication Number S4UL3073.

- Stroud, M. A. (1974). The standard penetration test in insensitive clays and soft rocks. *Proceedings of the European Symposium on Penetration Testing, Stockholm*, *2*, 367-375.

LIST OF ABBREVIATIONS

AOD	-	Above Ordnance Datum
ACM	-	Asbestos-containing Material
BGS	-	British Geological Survey
BH	-	Borehole
BRE	-	Building Research Establishment
BSI	-	British Standards Institution
BS	-	British Standard
C4SL	-	Category Four Screening Level
CIRIA	-	Construction Industry Research and Information Association
CP	-	Cable Percussive
DPH	-	Dynamic Probing Heavy
DPSH	-	Dynamic Probing Super Heavy
EA	-	Environment Agency
GAC	-	Generic Assessment Criteria
LL	-	Liquid Limit
mAOD	-	Metres above ordnance datum
mBGL	-	Metres below ground level
mOD	-	Metres Ordnance Datum
OS	-	Ordnance Survey
PAH	-	Polycyclic aromatic hydrocarbons
PCB	-	Polychlorinated biphenyl
PID	-	Photo Ionisation Detector
PL	-	Plastic Limit
PSD	-	Particle Size Distribution
SGV	-	Soil Guideline Value
SOM	-	Soil Organic Matter
SPT	-	Standard Penetration Test
SVOC	-	Semi-volatile Organic Compounds
TPH	-	Total Petroleum Hydrocarbon
UXB	-	Unexploded Bombs
UXO	-	Unexploded Ordnance
VOC	-	Volatile Organic Compound

FIGURE 1

SITE LAYOUT PLAN

Substation compound & former generator? house

Sprinkler room (former backup diesel generator small tank)

Borehole/Well Location

Disused water tank



Telecomms. Backup generator and tank

Electricity Sub-station

Recycling Centre

Celtic Bakery A

The Chocolate Factory B

Parma House C

Weighbridge

Building F

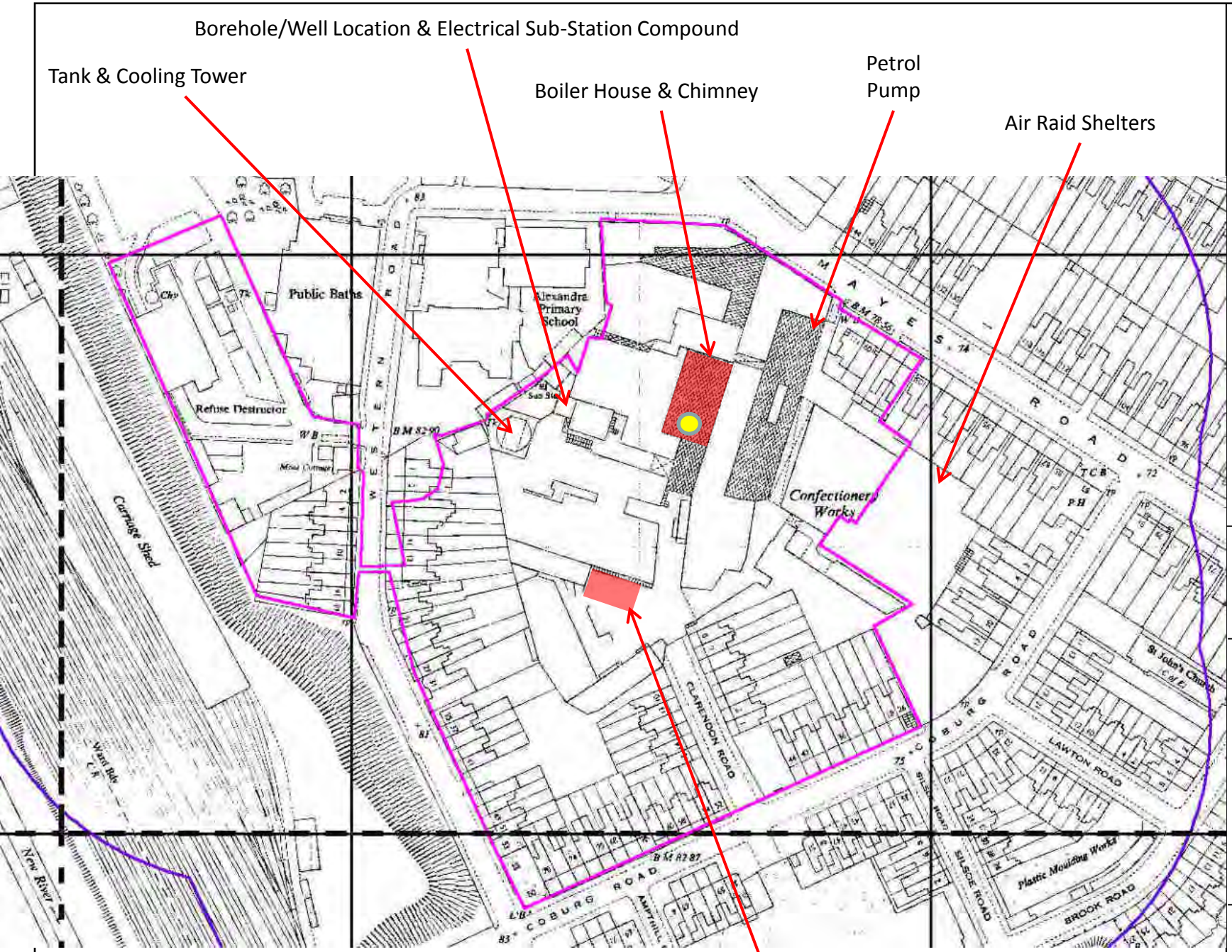
Title:	Site Layout Plan Existing
Dwg No:	16/10755/1
Drawn by:	GO
Client:	Workspace
Site:	The Chocolate Factory, Wood Green
Job Ref:	16/10755/GO
Scale:	NTS
Revision:	1
Issue Date:	24/08/2017

ALBURY S.I. LTD

Miltons Yard, Petworth Road,
Witley, Surrey GU8 5LH
www.alburysi.co.uk

FIGURE 2

c.1950s WORKS PLAN



Features obtained from c.1950s work plan and based upon OS 1955 1:1,250 plan

Title:	c.1950s Works Plan
Dwg No:	16/10755/2
Drawn by:	GO
Client:	Workspace
Site:	The Chocolate Factory, Wood Green
Job Ref:	16/10755/GO
Scale:	NTS
Revision:	0
Issue Date:	07/07/2016

ALBURY S.I. LTD

Miltons Yard, Petworth Road,
Witley, Surrey GU8 5LH
www.alburysi.co.uk

FIGURE 3

BGS WELL RECORD

RECORD of WELL or BORING

256

Survey No. 256/1
1" N.S.
1" O.S.

at (house or farm) Works, Mayes Road,
Town, Village, &c. Wood Green, N.22. County ~~London~~ Middlesex
Six-inch map N 2 NW
Exact site (unless a tracing from a map is supplied, give distance and direction from parish church, cross-roads, or other object shown on maps). NGR TQ 3068 9017
Popular Edition sheet TQ 39/23A of one-inch map. (Square 119)
Surface level of ground 91 ft. above Ordnance Datum. Well or Bore commenced at ft. below surface level of ground.
Sunk ft., diameter ft. Bored 401 ft.; diameter of boring: at top in., at bottom in.
Details of lining tubes (internal diameters preferred) 56 ft. of 14 in. tubes 2 ft. below surface
161 - of 11½ - - level with surface.
Water struck at depths of (feet)
Rest-level of water ~~below~~ above top of well or bore 147 ft. Pumping level 154 ft. Time of recovery hours.
Suction at ft. depth. Yield: (i) on test 8064 galls. per hour, (ii) normal galls. per
Quality (attach copy of analysis if available)
Made by G. Isler & Co. Ltd (Driller) for Messrs. Barratt & Co. Ltd Date of boring Feb/May, 1916.
Information from do

(For Survey use only). GEOLOGICAL CLASSIFICATION	NATURE OF STRATA. (and any additional remarks)	THICKNESS. Feet.	THICKNESS. Inches.	DEPTH. Feet.	DEPTH. Inches.
Mod. 2	Made up ground	2	.	2	.
London Clay 88'	Yellow clay	23	.	25	.
	Blue clay	65	.	90	.
Woolwich & Reading Beds 40'	Mottled clay	15	.	105	.
	Mottled sandy clay	15	.	120	.
	Blue clay with shells	10	.	130	.
Thanet Sand 25'	Dead sand	17	.	147	.
	Black pebbles & sand	7	6	154	6
	Dark green flints	.	6	155	.
K. 246.	Chalk & flints	246	.	401	.

Visited. Information from Mr. Whitaker. Bore was cleaned out and treated with acid in 1951 by Isler's. Suction c. 225 down. Electric submersible pump. No information regarding previous deepening
O.D. + 91. 21.11.58 ARR.
Met. Water Board taking samples & readings.

Geological Survey and Museum, South Kensington, London, S.W.7.

For Survey use only.

Date received	G.S.M.	M. of H. notified	Site marked on 1" map.
Dec, 1934	6621 A		

(11969B)

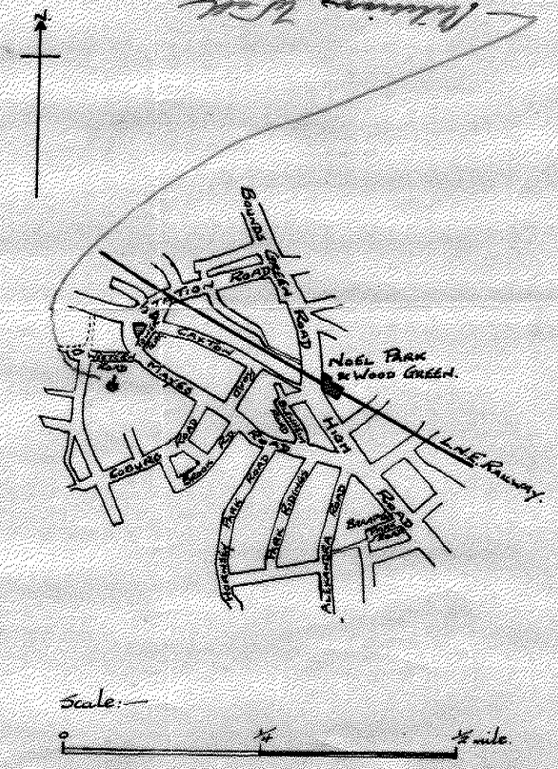
British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL
© All rights are reserved by the copyright proprietors.

[TQ39SW BJ 204 .]

1

256/119

Site of well at
Barratt & Co. Ltd., Mayes Road,
Wood Green. N.22.



British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL
© All rights are reserved by the copyright proprietors.

[TQ39SW BJ 204 .]

Inland Water Survey for Great Britain.

Name or Description of Authority or Undertaking ..... Barratt & Co Ltd

Postal Address ..... Mayes Road, N.22

.....

.....

(A) OVER-GROUND WATER. None

(I) (*a*) Do you take systematic records of levels of water in :—

(1) rivers ... ...

(2) streams ... ...

(3) reservoirs ... ...

(4) lakes ... ...

(5) canals or navigable rivers ... ...

(*b*) If so, please give a short description of the method used.

(*c*) How often are the readings taken?

(*d*) Exact points at which the records are taken. (A map or sketch would be helpful.)

(*e*) Have the levels been related to Ordnance Datum Level or to some other standard (in the latter case please specify standard)?

(*f*) Are all the levels (*e.g.*, highest and lowest) covered satisfactorily by the records taken?

(*g*) Are arrangements made for extra readings during rise and fall of floods, etc.?

(II) What types of systematic records of discharge other than records of levels are kept as regards :—

(1) rivers ... ...

(2) streams ... ...

(3) reservoirs ... ...

(4) lakes ... ...

(5) canals or navigable waterways ... ...

(385) Wt. 31991/G5745 9M 3/35 S.E.R. Ltd. **Gp. 662.**

British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL

© All rights are reserved by the copyright proprietors.

[TQ39SW BJ 204 .]

4

(III) (*a*) Have measurements been made from which the data for levels can be converted to records of discharge of :—

(1) rivers and streams ... ...

(2) reservoirs ... ...

(3) lakes ... ...

(4) canals or navigable waterways ... ...

(*b*) If so, how have these measurements been made (*e.g.*, by current meters, velocities of floats, surveys of sections, calibration of weirs, records of water used for locking, etc.)?

(IV) (*a*) Are records kept in the case of springs breaking overground of the amount of water yielded?

(*b*) If so, what form of recording is used?

(*c*) How often are readings taken?

(*d*) Exact location of the spring. (A map or sketch would be helpful.)

(V) Since when have the records under I, II, III and IV been kept?

(VI) Are past records available?

(VII) Remarks.

(Please indicate here any further information or particulars which may be thought likely to assist in the survey.)

British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

© All rights are reserved by the copyright proprietors.

[TQ39SW BJ 204 .]

5

TQ 39/23A 256/119

(B) UNDERGROUND WATER—(WELLS AND BORINGS).

(In each case please state whether a well and/or boring is in question.)

I. GENERAL.

1. Exact site of well or boring Vacant land at Factory belonging to Barratt & Co Ltd at Mayes Road, Wood Green, N. 22
(A map or sketch showing position would be useful.)

2. Surface level of ground above Ordnance Datum ... ... not known ft.

3. Date of construction ... ... about 1909

WELLS. None

4. Depth of well from surface level of ground (i.e., 2 above). If top of well is below the surface level of the ground (*i.e.*, 2 above) state how much ... ... ✓ ft.

5. Depth of floor of galleries at site of well: also dimension and direction of galleries ... ... ✓ ft.

BORINGS.

6. Depth of boring from surface level of ground (*i.e.*, 2 above). If boring is in bottom of well, state depth of well ... ... 450 ft.

7. (*a*) Diameter of top of boring ... ... 12 in.

(*b*) Diameter of bottom of boring... ... ... not known in.

8. Tubed from top of boring to bottom ... ... Say, 400 ft.

9. Lining tubes perforated at depths of ... ... Say 300 ft.

10. Water struck during boring at depths of ... ... 350 ft.

11. What was rest level on completion of boring? ... ... Unknown

WELLS AND BORINGS.

12. Is the water raised by pump or air lift? ... ... Air Lift

13. Depth from top of well or boring to bottom of suction pipe ... 400 ft.

254

British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

© All rights are reserved by the copyright proprietors.

[TQ39SW BJ 204 .]

6

II. If systematic measurements of water levels are made, state whether these include :—

(*a*) Pumping levels ✓ (*b*) Rest levels ✓

(*c*) Time of recovery to rest level on cessation of pumping ✓

(*d*) Changes in pumping level, if rate of pumping is altered. ✓

Also state : (*e*) at what intervals records are taken (*i.e.*, daily, weekly, etc.) No records kept

Please furnish a specimen graph of records taken over as long a period as available (up to 1 year). ✓

III. If measurements are made only occasionally, please indicate what is, or has been, done in this respect and furnish examples of any graphs or figures available. ✓

IV. YIELDS.

(1) Number of gallons pumped per hour 4,000

(2) Is pumping continuous? No

(3) If not, how many hours pumping per day? 8

(4) Maximum daily yields available No storage capacity for a day's pumping

Estimated ✓

Based on actual tests ✓

V. If a section or record of strata can be given please attach to this form. No

VI. (1) If a chemical analysis can be given please attach.

(2) If not state hardness 3° hardness

(3) For what purpose is the water used? Boiler feed.

23

British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

© All rights are reserved by the copyright proprietors.

[TQ39SW BJ 204 .]

TQ 39/23A 256

119

COPY.

BRITISH ASSOCIATION OF RESEARCH.

for the

COCOA, CHOCOLATE, SUGAR CONFECTIONERY & JAM TRADES.

2-4, Dalmeny Avenue,
Holloway. N.I7.
Ist November I940

REPORT on SAMPLE OF

ARTESIAN WELL BOARD.

RECEIVED from MESSRS BARRATT & CO. LTD., 29.I0.40.

Results of Analysis;	Parts per I00,000
Total Solids	48.I
Saline Ammonia	0.05
Albumenoid Ammonia	0.003
Nitrites	Absent.
Nitrate Nitrogen	0.0I
Chlorine (in Chlorides)	5.I
" Calculated as Sodium Chloride	8.4.
Hardness:	
Soap Method.	
Total	23°
Permanent	4.5
Temprary	I8.5
Acid Titration Method.	
CCS. N/I0 HC	23
Lead & Copper	absent
Iron	less than 0.02 p.m.
Bacteriological Examinations:	
B.coli	Absent from 200 c.c.
Plate Count: at 22° C	48 per c.c.
" 37° C.	4 " "

Cont/over

British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL
© All rights are reserved by the copyright proprietors.

[TQ39SW BJ 204 .]

REMARKS.

While the saline ammonia is somewhat on the high side, thiscannot be objected to as Thresh have found this a characteristic of London waters. The others constituents are witnin the limits for a good potable eater and the bacteriological examination confirms the absence of sewage or other contamination.

Thw temporary hardness is similar to that of the Metropolitan Water Board supply. The permanent hardness is low.

----------oOo----------

(signed) Direcotr of Research

British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL © All rights are reserved by the copyright proprietors. [TQ39SW BJ 204 .]

256/119

TQ 39/23A

Copy.

West Ham Testing Laboratories.

10th June 1948

Analysis of water from borehole at Barratt & Co. Works, Mayes Road, Wood Green N.22

	g. p. g
Silica	0·27
Ferric oxide & alumina	0·15
Calcium carbonate	7·64
Magnesium carbonate	5·88
Sodium carbonate	3·93
Sodium sulphate	10·37
Sodium chloride	6·14
Undetermined	0·22
Total Solids	33·90

Hardness	Temporary	14·1°
	Permanent	1·5°
		15·6°

CO_2 (Free & unstable - Combination - and as bi-carbonate.) 8·38

Permutit have possibly done analyses also.

British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL
© All rights are reserved by the copyright proprietors.

[TQ39SW BJ 204 .]

256/119 A-B

TQ 39/23

		ft	ins
256/119 A	Made ground	2	0
	London Clay	88	0
	Woolwich + Reading Beds (Intermediate Type)	40	0
	Thanet Sand	25	0
	Upper Chalk	246	0

256/119 (Another record)	London Clay Woolwich + Reading Beds (? Intermediate Type) Thanet Sand Upper Chalk	450	0

256/119 B	Made ground	1	3
	London Clay	33	9

~~Surveyed~~ 1976

British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

© All rights are reserved by the copyright proprietors.

[TQ39SW BJ 204 .]

BARRATT + CO.

TQ 39 39/23

Owner	Urban Hill Ltd	Licence No.	9/141
Occupier		IGS Ref. No.	256/119A

Nat. Grid Ref. 3065 9016.

Status Dec 1992: licensed but not in use.

Ground Level	m OD	c 80	ft. OD	
Level of Well Top	m OD		ft. OD	
Rest Water Level	46.65 below 1st section of rising main	m bwt	147	ft. bwt
(Date 13/10/92)		m OD		ft. OD
Construction				B

Aquifer CHALK

Depth bwt	Dia.	Linings (below well top) From	To	Dia.	Type
401'		2	58	14"	tube
		0	161	11½"	"

Summary of Geological Section	Thickness	Depth
MADE		2' (0.6m)
LONDON CLAY	88'	90' (27m)
WOOLWICH + READING BDS	40'	130' (40m)
THANET SAND	25'	155' (47m)
U CHALK	246'	401' (122m)

Abstraction Rates

gph

gpd

Type of Pump

Chem./Bact. Anal. YES NO

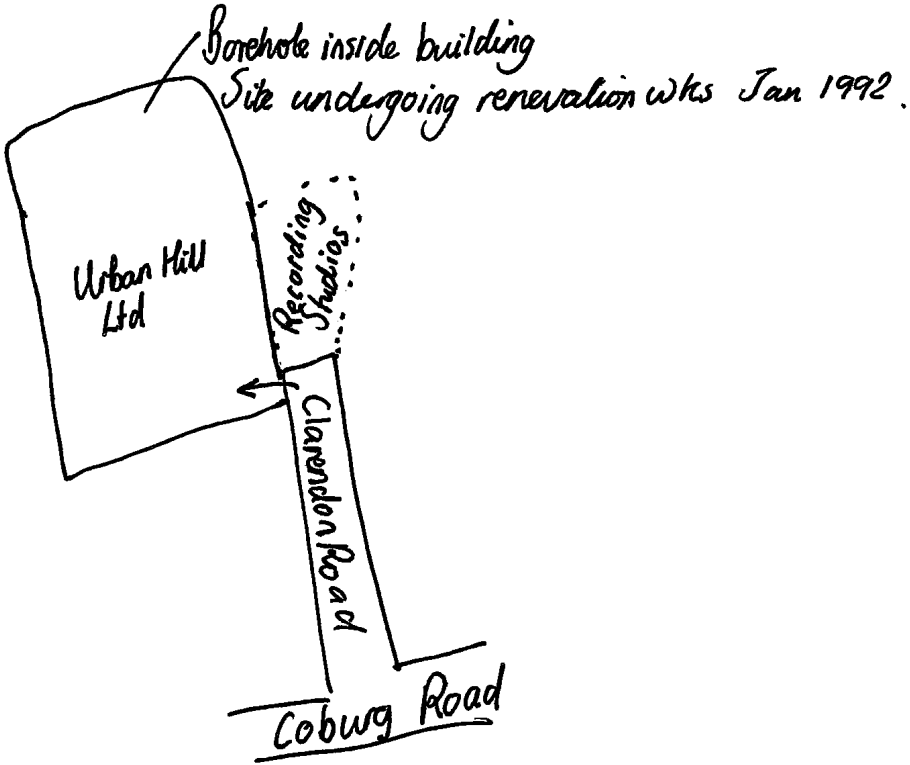
Well Driller

If insufficient space has been allowed, continue in 'Notes' overleaf.

British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

© All rights are reserved by the copyright proprietors.

Contact 081-881 8177 John Tanner or John Murphy



British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

© All rights are reserved by the copyright proprietors.

[TQ39SW BJ 204 .]

TQ39/23A

TQ39 SW 204

TQ39/23

RECORD of WELL or BORING

Survey No. 2561

1"/N.S.

1"/O.S.

at (house or farm) Works, Mayes Road, 25

Town, Village, &c. Wood Green, N. 22 County ~~London~~ Middlesex

Six-inch map N 2 NW

Exact site (unless a tracing from a map is supplied, give distance and direction from parish church, cross-roads, or other object shown on maps). About 30 yds

Popular Edition Sheet 19 of one-inch map. Square

Surface level of ground ..... ft. above Ordnance Datum. Well or Bore commenced at ..... ft. below surface level of ground.

Sunk ..... ft., diameter ..... ft. Bored 401 ft.; diameter of boring: at top ..... in., at bottom ..... in.

Details of lining tubes (internal diameters preferred) 56 ft. of 14 in. tubes 2 ft. below surface

161 ft. of 11 in. " Level with surface

Water struck at depths of (feet) .....

Rest-level of water below ~~above~~ top of well or bore 147 ft. Pumping level 154 ft. Time of recovery ..... hours.

Suction at ..... ft. depth. Yield: (i) on test 80 gals. per hour, (ii) normal ..... gals. per .....

Quality (attach copy of analysis if available) .....

Made by G. Baker & Son Ltd (Thomas) for Messrs Barrett & Co, Ltd Date of boring [illegible] May, 1916

Information from do

(For Survey use only). GEOLOGICAL CLASSIFICATION	NATURE OF STRATA. (and any additional remarks)	THICKNESS. Feet.	THICKNESS. Inches.	DEPTH. Feet.	DEPTH. Inches.
Made	Made up ground	2	.	2	.
London Clay 88'	Yellow clay	23	.	25	.
	Blue clay	65	.	90	.
Woolwich & Reading Beds 40'	Mottled clay	15	.	105	.
	Mottled sandy clay	15	.	120	.
	Blue clay with shells	10	.	130	.
Thanet Sand 25'	Dead sand	17	.	147	.
	Black pebbles & sand	7	6	154	6
	Dark green flints	.	6	155	.
Ch. 246	Chalk & flints	246	.	401	.

GEOLOGICAL SURVEY AND MUSEUM, SOUTH KENSINGTON, LONDON, S.W.7.

For Survey use only.

Date received.	G.S.M.	M. of H. notified.	Site marked on 1" map.
Dec/1931	6621 A		

(11960B) Wt 10258/0175 2,500 9/31 H. J. R & L., Ltd Gp 616

British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL
© All rights are reserved by the copyright proprietors.

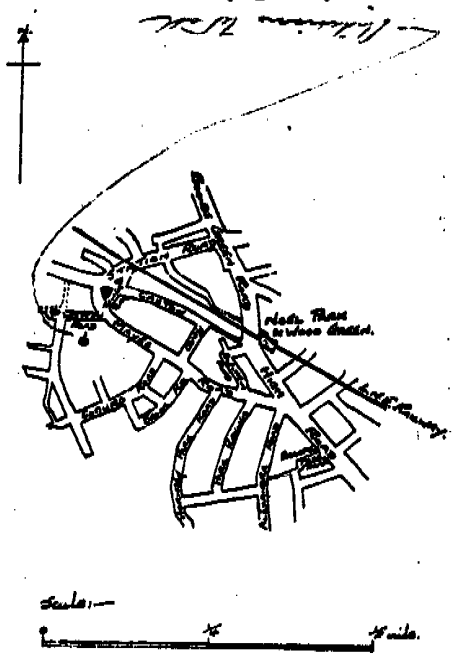
[TQ39SW BJ 204 .]

TQ 39 SW 204

TQ39/23

256/119.

Site of well at
Barratt & Co. Ltd., Mayes Road,
Wood Green. N.22.



British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL
© All rights are reserved by the copyright proprietors.

[TQ39SW BJ 204 .]

FORM WR - 4
Water Resources Act 1991
Section 51(1)

ENVIRONMENT AGENCY

APPLICATION TO REVOKE LICENCE

Licence Serial No:	29/38/9/141

I/we are the holders of the above licence and apply to the Environment Agency to revoke it.

I/we understand that this request to revoke the licence is final and that if I/we wish to abstract water again it will be necessary to apply to the Environment Agency for a new licence. I/we also understand that the new application will normally have to be advertised and that there is no guarantee that the application will be granted.

I/we enclose the original licence for revocation.

NAME OF LICENCE HOLDER	URBAN HILL		
ADDRESS	34-36 EUSTON ST. LONDON NW1 2ES		
SIGNATURE		DATE	28 MAY 1999
IF SIGNING ON BEHALF OF A COMPANY, FIRM ETC. PLEASE PRINT YOUR NAME AND STATE YOUR POSITION IN THE ORGANISATION	DIRECTOR		

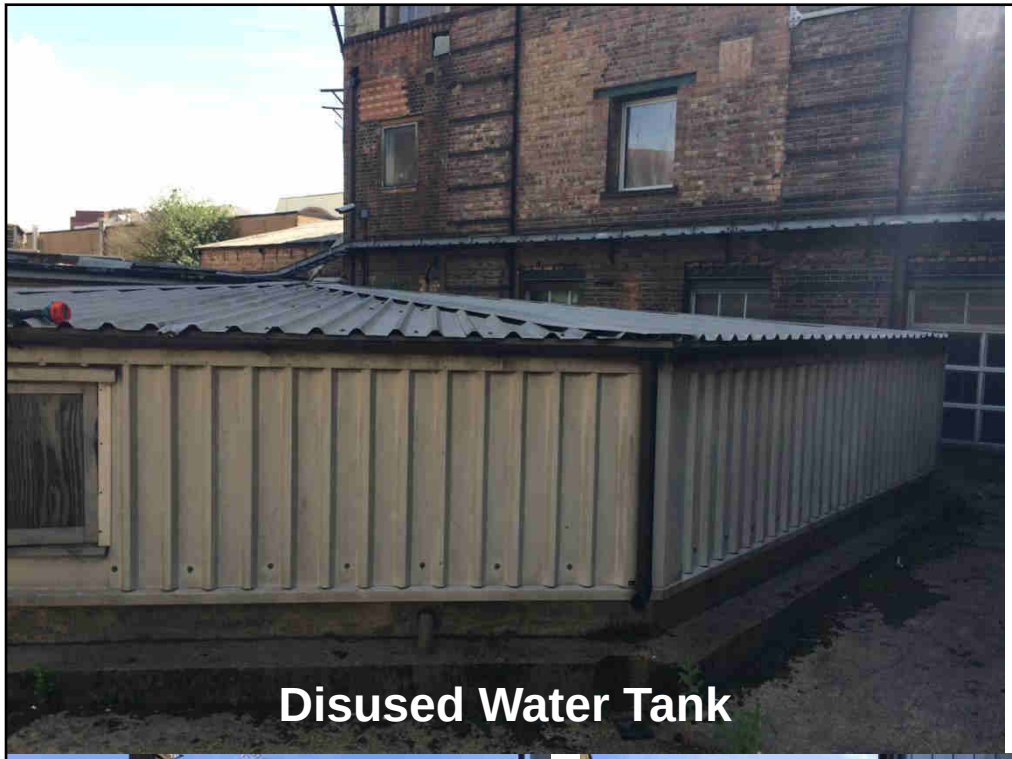
Notes:

- Charges are payable under the licence until it is formally revoked.
- Please do not use this form in part succession situations ie. where someone is occupying part of the land to which your licence relates and you have no further use for the licence - use form WR - 8 instead.

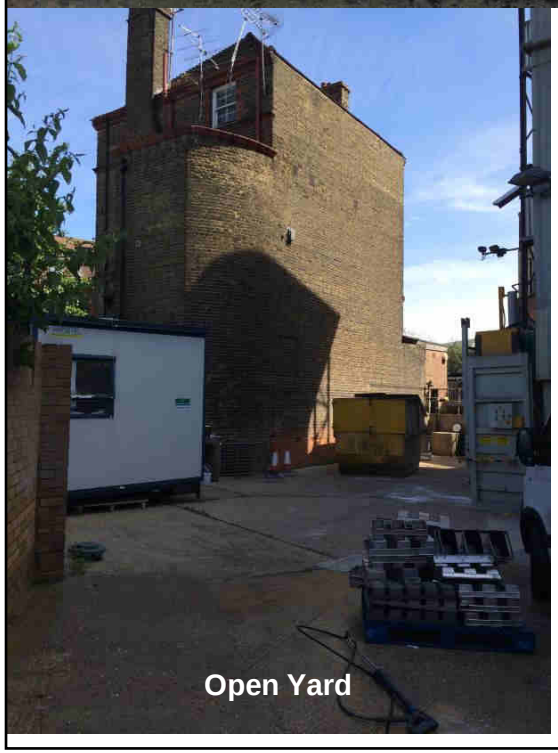
WATER RESOURCES
01 JUN 99
THAMES (NORTH EAST)

FIGURE 4.1

SITE PHOTOGRAPHS - NW CORNER











Title:	Photos - NW Corner
Dwg No:	16/10755/3
Drawn by:	GO
Client:	Workspace
Site:	The Chocolate Factory, Wood Green
Job Ref:	16/10755/GO
Scale:	NTS
Revision:	0
Issue Date:	07/07/2016

ALBURY S.I. LTD

Miltons Yard, Petworth Road,
Witley, Surrey GU8 5LH
www.alburysi.co.uk

FIGURE 4.2

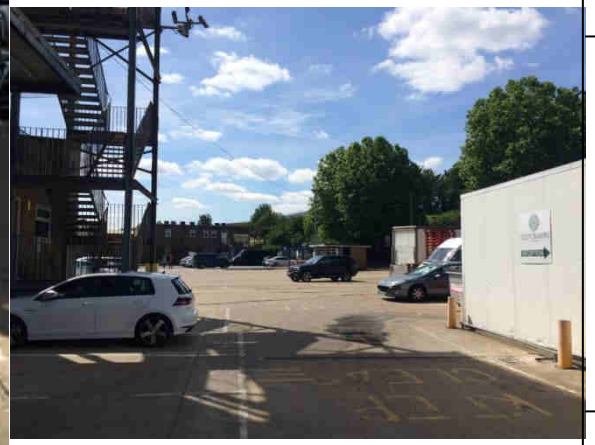
SITE PHOTOGRAPHS - BAKERY



Celtic Bakery looking north



Celtic Bakery looking south



Title:	Photos - Bakery
Dwg No:	16/10755/4
Drawn by:	GO
Client:	Workspace
Site:	The Chocolate Factory, Wood Green
Job Ref:	16/10755/GO
Scale:	NTS
Revision:	0
Issue Date:	07/07/2016

ALBURY S.I. LTD

Miltons Yard, Petworth Road,
Witley, Surrey GU8 5LH
www.alburysi.co.uk

FIGURE 4.3

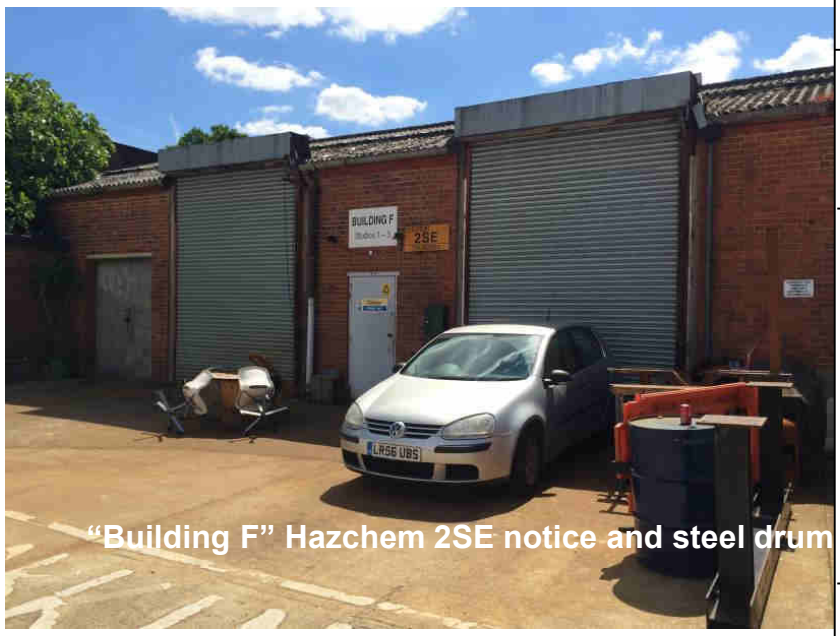
SITE PHOTOGRAPHS - WESTERN



Panoramic view from south west of site looking north and east



West of site looking south



"Building F" Hazchem 2SE notice and steel drum

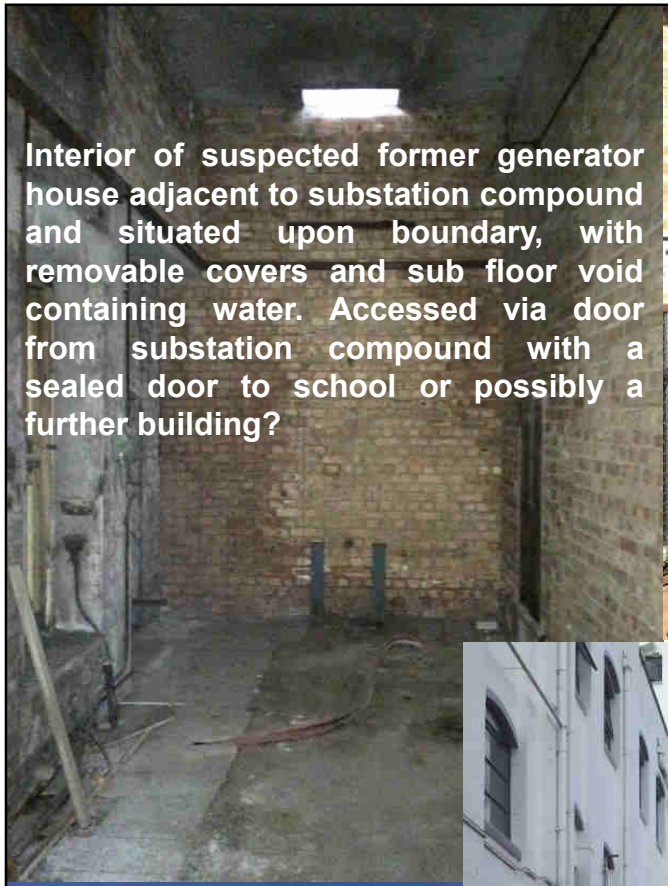
Title:	Photos - Western
Dwg No:	16/10755/5
Drawn by:	GO
Client:	Workspace
Site:	The Chocolate Factory, Wood Green
Job Ref:	16/10755/GO
Scale:	NTS
Revision:	0
Issue Date:	07/07/2016

ALBURY S.I. LTD

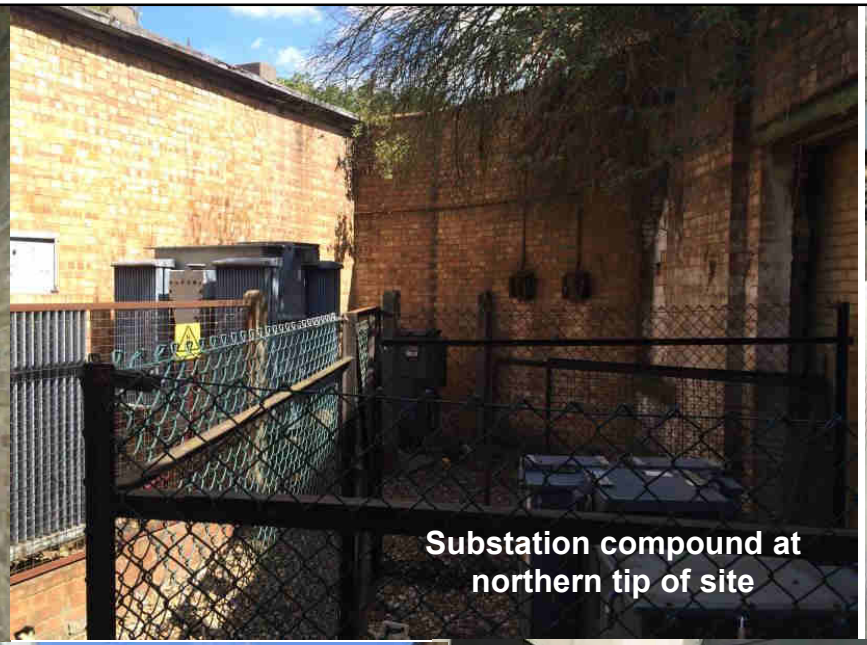
Miltons Yard, Petworth Road,
Witley, Surrey GU8 5LH
www.alburysi.co.uk

FIGURE 4.4

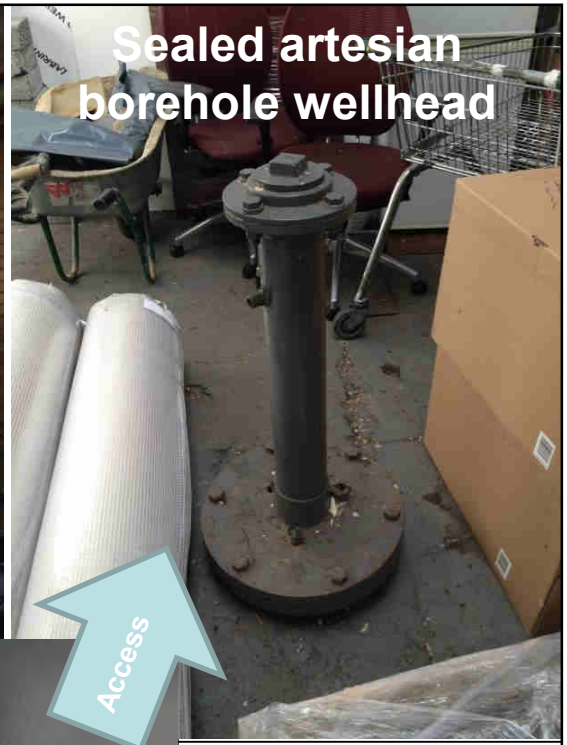
SITE PHOTOGRAPHS - NORTHERN



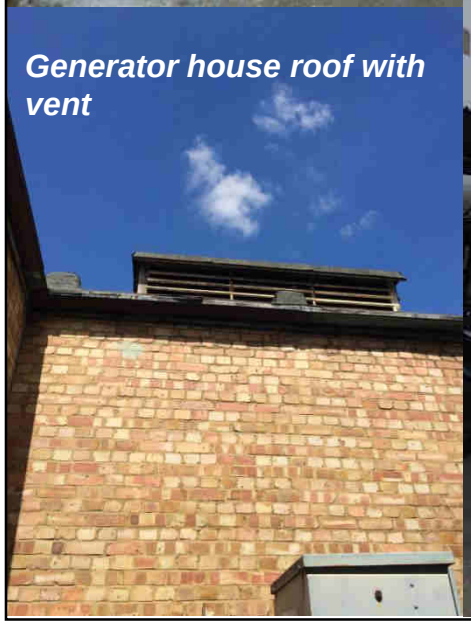
Interior of suspected former generator house adjacent to substation compound and situated upon boundary, with removable covers and sub floor void containing water. Accessed via door from substation compound with a sealed door to school or possibly a further building?



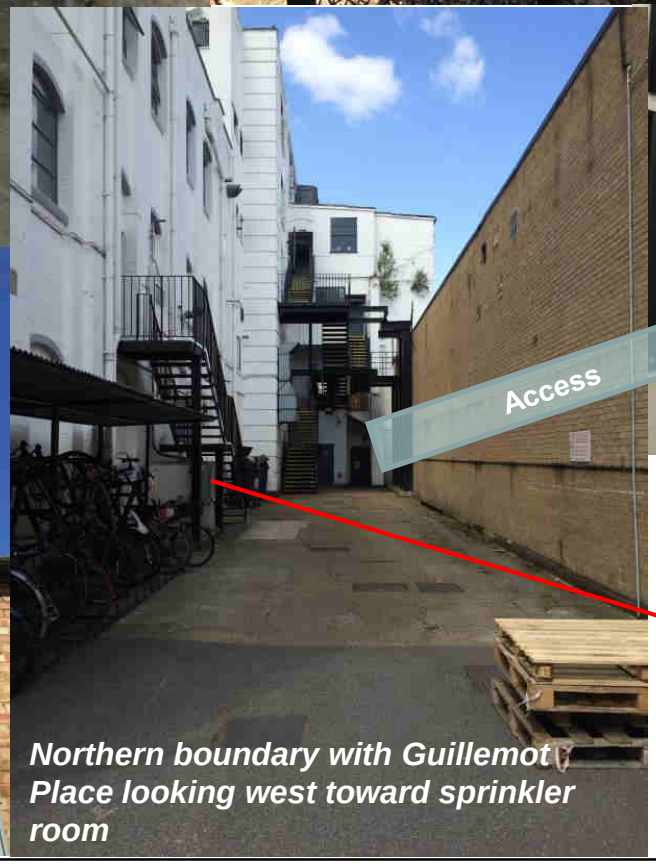
Substation compound at northern tip of site



Sealed artesian borehole wellhead



Generator house roof with vent



Northern boundary with Guillemot Place looking west toward sprinkler room





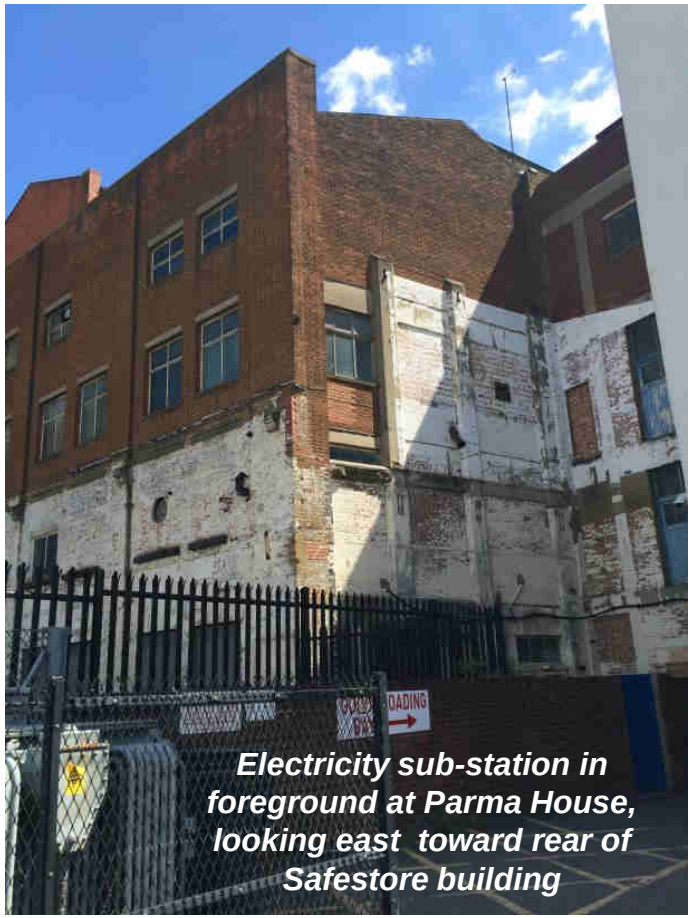
Title:	Photos - Northern
Dwg No:	16/10755/6
Drawn by:	GO
Client:	Workspace
Site:	The Chocolate Factory, Wood Green
Job Ref:	16/10755/GO
Scale:	NTS
Revision:	0
Issue Date:	07/07/2016

ALBURY S.I. LTD

Miltons Yard, Petworth Road,
Witley, Surrey GU8 5LH
www.alburysi.co.uk

FIGURE 4.5

SITE PHOTOGRAPHS - PARMA HOUSE



Electricity sub-station in foreground at Parma House, looking east toward rear of Safestore building





Goods Loading Bay interior at Parma House

Title:	Photos - Parma House
Dwg No:	16/10755/7
Drawn by:	GO
Client:	Workspace
Site:	The Chocolate Factory, Wood Green
Job Ref:	16/10755/GO
Scale:	NTS
Revision:	0
Issue Date:	07/07/2016

ALBURY S.I. LTD

Miltons Yard, Petworth Road,
Witley, Surrey GU8 5LH
www.alburysi.co.uk

FIGURE 4.6

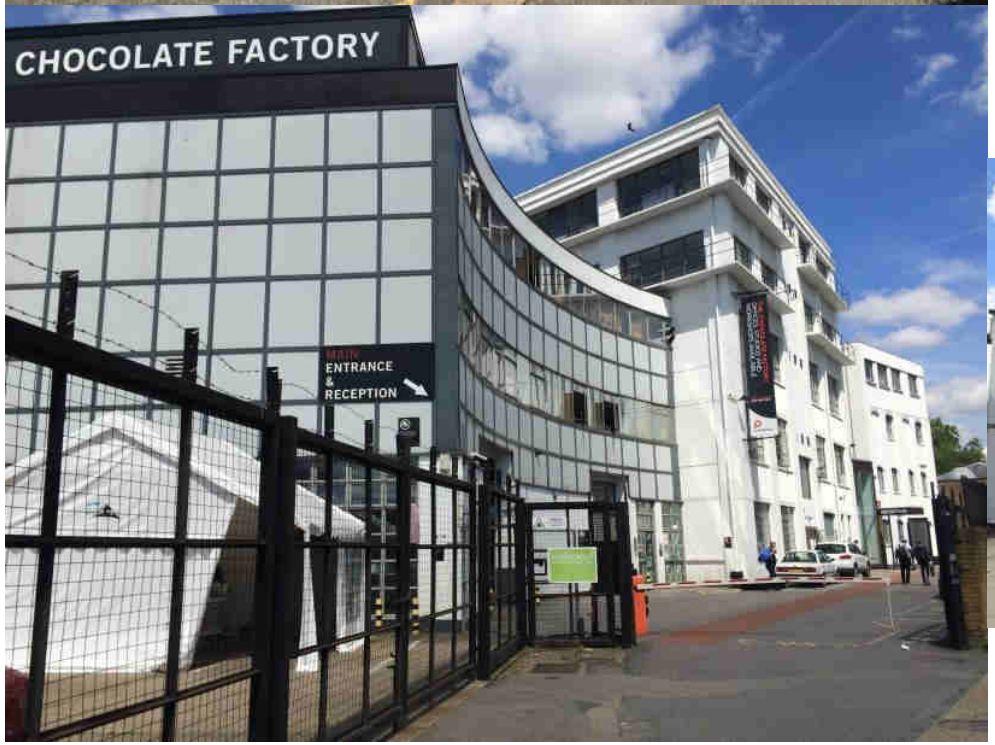
SITE PHOTOGRAPHS - CENTRE



View from Clarendon Road looking north



View from Clarendon Road looking north





Workshop

Title:	Photos - Centre
Dwg No:	16/10755/8
Drawn by:	GO
Client:	Workspace
Site:	The Chocolate Factory, Wood Green
Job Ref:	16/10755/GO
Scale:	NTS
Revision:	0
Issue Date:	07/07/2016

ALBURY S.I. LTD

Miltons Yard, Petworth Road,
Witley, Surrey GU8 5LH
www.alburysi.co.uk

FIGURE 4.7

SITE PHOTOGRAPHS - WESTERN (RECYCLING CENTRE & QUICKSILVER PLACE)



View toward Recycling Centre with Quicksilver Place in background

Title:	Photos - Western
Dwg No:	16/10755/9
Drawn by:	GO
Client:	Workspace
Site:	The Chocolate Factory, Wood Green
Job Ref:	16/10755/GO
Scale:	NTS
Revision:	0
Issue Date:	07/07/2016

ALBURY S.I. LTD

Miltons Yard, Petworth Road,
Witley, Surrey GU8 5LH
www.alburysi.co.uk

FIGURE 5

CONCEPTUAL GROUND MODEL

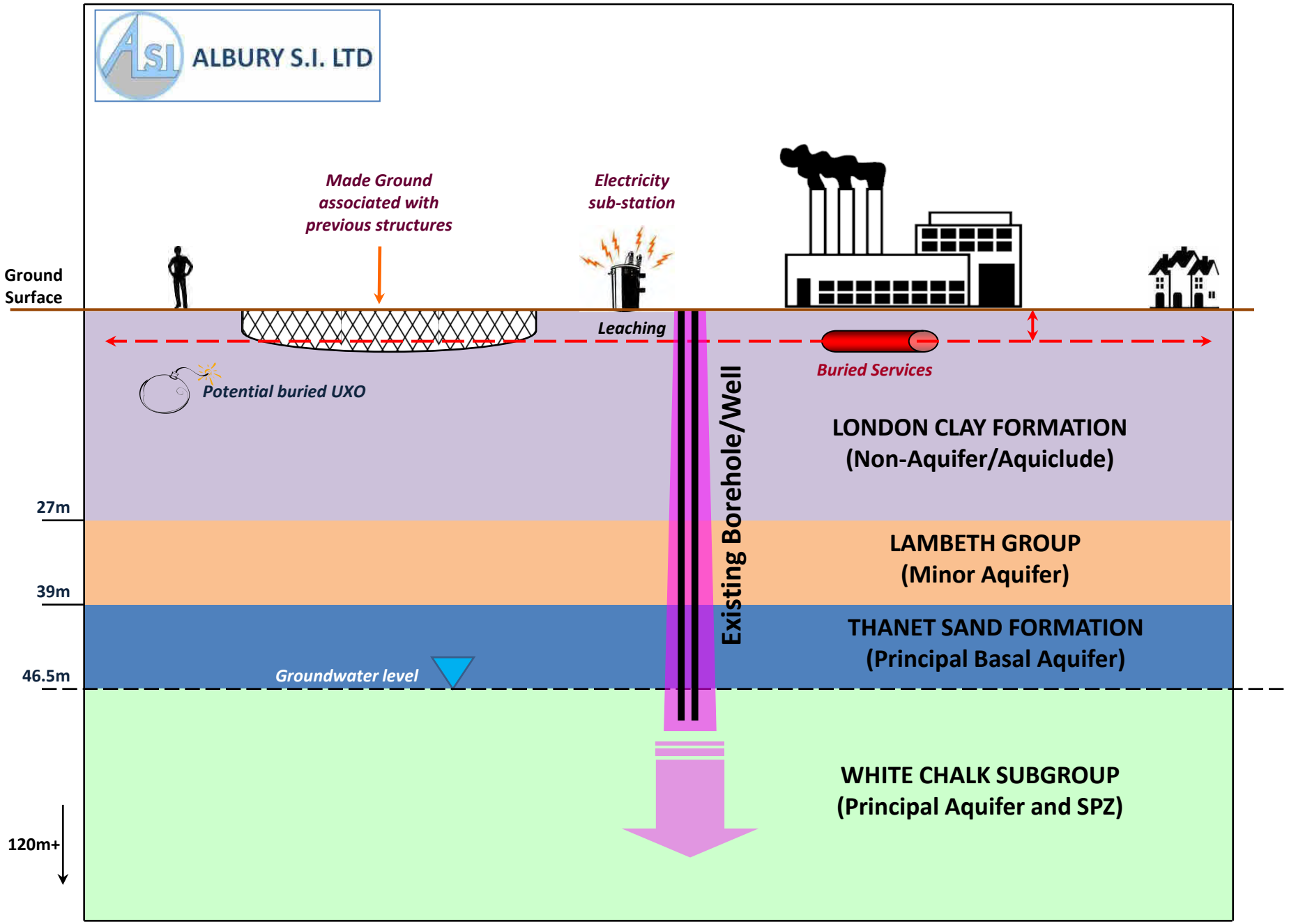


FIGURE 5 – CONCEPTUAL GROUND MODEL – 16/10755/GO- THE CHOCOLATE FACTORY, WOOD GREEN

APPENDIX 1

ENVIROCHECK DATA

ALBURY S.I. LTD
Geotechnical & Environmental

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
89415340_1_1

Customer Reference:
16/10755/GO

National Grid Reference:
530670, 190110

Slice:
A

Site Area (Ha):
3.47

Search Buffer (m):
1000

Site Details:

The Chocolate Factory
Wood Green
LONDON
N22 6XJ

Client Details:

Mr G Owens
Albury Si Ltd
Miltons Yard
Petworth Road
Witley
Godalming
Surrey
GU8 5LH

ALBURY S.I. LTD
Geotechnical & Environmental

Contents

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	17
Hazardous Substances	20
Geological	21
Industrial Land Use	26
Sensitive Land Use	66
Data Currency	67
Data Suppliers	74
Useful Contacts	75

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination.
For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.

In the attached datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

Copyright Notice

© Landmark Information Group Limited 2016. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, the Environment Agency/Natural Resources Wales and Natural England, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer.
A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report.

Natural England Copyright Notice

Site of Special Scientific Interest, National Nature Reserve, Ramsar, Special Protection Area, Special Conservation Area, Marine Nature Reserve data (derived from Ordnance Survey 1:10000 raster) is provided by, and used with the permission of, Natural England who retain the copyright and Intellectual Property Rights for the data.

Ove Arup Copyright Notice

The Data provided in this report was obtained on Licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The information and data supplied in the product are derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

Peter Brett Associates Copyright Notice

The cavity data presented has been extracted from the PBA enhanced version of the original DEFRA national cavity databases. PBA/DEFRA retain the copyright & intellectual property rights in the data. Whilst all reasonable efforts are made to check that the information contained in the cavity databases is accurate we do not warrant that the data is complete or error free. The information is based upon our own researches and those collated from a number of external sources and is continually being augmented and updated by PBA. In no event shall PBA/DEFRA or Landmark be liable for any loss or damage including, without limitation, indirect or consequential loss or damage arising from the use of this data.

Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England.

Report Version v50.0

ALBURY S.I. LTD
Geotechnical & Environmental

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1		Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		2	4	1
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 2		2	2	8
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 4		Yes		
Pollution Incidents to Controlled Waters	pg 4				2
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 5	1	10	5	6 (*15)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 14	Yes	n/a	n/a	n/a
Drift Deposits			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 14	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones	pg 14	2	2	1	2
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Detailed River Network Lines	pg 15		Yes		n/a
Detailed River Network Offline Drainage	pg 16		Yes	Yes	n/a

ALBURY S.I. LTD
Geotechnical & Environmental

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 17		3		1
Local Authority Landfill Coverage	pg 17	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 17		2	1	6
Registered Landfill Sites					
Registered Waste Transfer Sites	pg 18	1	3		
Registered Waste Treatment or Disposal Sites	pg 19			1	
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)	pg 20		2		
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)	pg 20		1		
Planning Hazardous Substance Consents	pg 20		2		
Planning Hazardous Substance Enforcements					

ALBURY S.I. LTD
Geotechnical & Environmental

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 21	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry					
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry	pg 21		Yes	Yes	Yes
BGS Urban Soil Chemistry Averages	pg 24	Yes			
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 25	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 25		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 25	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 25		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 25	Yes		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 26	14	43	68	167
Fuel Station Entries	pg 50		1	1	3
Points of Interest - Commercial Services	pg 51	2	6	14	45
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 56	3	6	12	35
Points of Interest - Public Infrastructure	pg 61	1	5	8	16
Points of Interest - Recreational and Environmental	pg 63		2	6	13
Gas Pipelines					
Underground Electrical Cables					

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves	pg 66		1		
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 66		1		
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (S)	40	2	530700 189950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (SW)	133	2	530500 189950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	248	2	530400 189900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	263	2	530350 190400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (NW)	297	2	530300 190400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A17SE (NW)	442	2	530250 190550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A17SE (NW)	474	2	530200 190550
1	**Discharge Consents** Operator: Thames Water Utilities Limited. Property Type: Water Supply Adminstration Location: Hornsey Filter Beds Pumping St New Lands Road Off Nightingale Road London N8 7sl Authority: Environment Agency, Thames Region Catchment Area: Lee-Stort / Thames Reference: Canm.1267 Permit Version: 1 Effective Date: 1st August 2007 Issued Date: 1st August 2007 Revocation Date: 1st August 2019 Discharge Type: Trade Discharge - Process Water Discharge Environment: Underground Water Receiving Water: Abstraction Recharge Borehole **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A8NW (S)	230	3	530590 189756
2	**Discharge Consents** Operator: Thames Water Utilities Limited Property Type: Water Treatment Works Location: Hornsey Water Treatment Works Newlands Road Hornsea London N8 Authority: Environment Agency, Thames Region Catchment Area: Thames Reference: Cans.0001 Permit Version: 1 Effective Date: 29th May 2001 Issued Date: 1st February 2006 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: To Moselle Brook **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A13SW (S)	237	3	530560 189760
3	**Discharge Consents** Operator: Thames Water Utilities Limited. Property Type: Water Supply Adminstration Location: Hornsey Sluice Pumping Station Hornsey Hornsey London N8 7qh Authority: Environment Agency, Thames Region Catchment Area: Lee-Stort / Thames Reference: Canm.1268 Permit Version: 1 Effective Date: 1st August 2007 Issued Date: 1st August 2007 Revocation Date: 1st August 2019 Discharge Type: Trade Discharge - Process Water Discharge Environment: Underground Water Receiving Water: Abstraction Recharge Borehole **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A8NE (S)	429	3	530700 189548

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	**Discharge Consents** Operator: Thames Water Utilities Ltd Property Type: Water Treatment Works Location: Hornsey, Sandwash Via Lagoonhornseysandwash Via Lagoon Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.3061 Permit Version: 3 Effective Date: 17th July 2014 Issued Date: 25th September 2009 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Process Effluent - Water Company (Wtw) Discharge Environment: Freshwater Stream/River Receiving Water: Mosel Brook **Status: Temporary Consents (Water Act 1989, Section 113)** Positional Accuracy: Located by supplier to within 10m	A8NW (S)	497	3	530620 189480
4	**Discharge Consents** Operator: Thames Water Utilities Ltd Property Type: Water Treatment Works Location: Hornsey, Sandwash Via Lagoonhornseysandwash Via Lagoon Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.3061 Permit Version: 2 Effective Date: 1st January 2010 Issued Date: 25th September 2009 Revocation Date: 16th July 2014 Discharge Type: Trade Discharges - Process Effluent - Water Company (Wtw) Discharge Environment: Freshwater Stream/River Receiving Water: Mosel Brook **Status: Temporary Consents (Water Act 1989, Section 113)** Positional Accuracy: Located by supplier to within 10m	A8NW (S)	497	3	530620 189480
4	**Discharge Consents** Operator: Thames Water Utilities Ltd Property Type: Water Treatment Works Location: Hornsey, Sandwash Via Lagoonhornseysandwash Via Lagoon Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.3061 Permit Version: 1 Effective Date: 12th September 1989 Issued Date: 12th September 1989 Revocation Date: 31st December 2009 Discharge Type: Trade Discharges - Process Effluent - Water Company (Wtw) Discharge Environment: Freshwater Stream/River Receiving Water: Mosel Brook **Status: Temporary Consents (Water Act 1989, Section 113)** Positional Accuracy: Located by supplier to within 10m	A8NW (S)	497	3	530620 189480
5	**Discharge Consents** Operator: Thames Water Utilities Limited. Property Type: Water Supply Adminstration Location: Hornsey Gate House Pumping St Hornsey High Street Hornsey London N8 7qh Authority: Environment Agency, Thames Region Catchment Area: Lee-Stort / Thames Reference: Canm.1266 Permit Version: 1 Effective Date: 1st August 2007 Issued Date: 1st August 2007 Revocation Date: 1st August 2019 Discharge Type: Trade Discharge - Process Water Discharge Environment: Underground Water Receiving Water: Abstraction Recharge Borehole **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A8SE (S)	600	3	530786 189388
6	**Local Authority Pollution Prevention and Controls** Name: Downham Location: 76 Mayes Road, LONDON, N22 5LE Authority: London Borough of Haringey, Planning and Environmental Health Permit Reference: 36 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorised** Positional Accuracy: Manually positioned to the address or location	A13NE (E)	151	4	530942 190102

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Local Authority Pollution Prevention and Controls** Name: British Gas (North Thames) Plc Location: Hornsey Gas Holder Station, LONDON, N8 0DJ Authority: London Borough of Haringey, Planning and Environmental Health Permit Reference: Not Given Dated: 16th November 1992 Process Type: Local Authority Air Pollution Control Description: Part B process (no specific reference) **Status: Authorisation revokedRevoked** Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	192	4	530829 189842
8	**Local Authority Pollution Prevention and Controls** Name: Euroclean At Morrisons Dry Cleaners Location: Safeway Shopping Mall, London, N22 6dr Authority: London Borough of Haringey, Planning and Environmental Health Permit Reference: DC18 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Manually positioned to the address or location	A14NW (NE)	272	4	531004 190339
9	**Local Authority Pollution Prevention and Controls** Name: Top Dry Cleaners Location: 196 High Road, London, N22 8hh Authority: London Borough of Haringey, Planning and Environmental Health Permit Reference: DC40 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	344	4	530998 190442
10	**Local Authority Pollution Prevention and Controls** Name: Palace Gates Dry Cleaners Location: 26 Palace Gates Road, London, N22 7bn Authority: London Borough of Haringey, Planning and Environmental Health Permit Reference: DC38 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	564	4	530096 190572
11	**Local Authority Pollution Prevention and Controls** Name: Marie Louise Dry Cleaners Location: 7 High Street, London, N8 7ps Authority: London Borough of Haringey, Planning and Environmental Health Permit Reference: DC33 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Manually positioned to the address or location	A8SW (S)	685	4	530420 189333
12	**Local Authority Pollution Prevention and Controls** Name: Sunshine Dry Cleaners Location: 11a Commerce Road, London, N22 8dz Authority: London Borough of Haringey, Planning and Environmental Health Permit Reference: DC48 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Manually positioned to the address or location	A18NE (N)	724	4	530759 190933
13	**Local Authority Pollution Prevention and Controls** Name: Milton Dry Cleaners Location: 3 Turnpike Road, London, N8 0ep Authority: London Borough of Haringey, Planning and Environmental Health Permit Reference: Not Supplied Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Manually positioned to the address or location	A9NE (SE)	752	4	531401 189590

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	**Local Authority Pollution Prevention and Controls** Name: Wightman Road Service Station Location: 278 Wightman Road, LONDON, N8 0LX Authority: London Borough of Haringey, Planning and Environmental Health Permit Reference: Ps30 Dated: 17th April 2001 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorised** Positional Accuracy: Manually positioned to the address or location	A9SW (SE)	805	4	531128 189304
15	**Local Authority Pollution Prevention and Controls** Name: Solus Accident Repair Location: 609 Lordship Lane, LONDON, N22 5LE Authority: London Borough of Haringey, Planning and Environmental Health Permit Reference: Hgy002 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles **Status: Authorised** Positional Accuracy: Manually positioned to the address or location	A19SE (NE)	881	4	531555 190612
15	**Local Authority Pollution Prevention and Controls** Name: Solus Arc Location: 609 Lordship Lane, Wood Green, N22 Authority: London Borough of Haringey, Planning and Environmental Health Permit Reference: HGY/012 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles **Status: Permitted** Positional Accuracy: Manually positioned to the address or location	A19SE (NE)	886	4	531562 190610
16	**Local Authority Pollution Prevention and Controls** Name: Lordship Dry Cleaners Location: 614 Lordship Lane, Wood Green, London, N22 5jh Authority: London Borough of Haringey, Planning and Environmental Health Permit Reference: DC32 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Manually positioned to the address or location	A19SE (NE)	922	4	531573 190660
	Nearest Surface Water Feature	A13SW (SW)	107	-	530477 190023
17	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Turnpike Lane, HORNSEY Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 9th March 1990 Incident Reference: NE900074 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SW (S)	605	3	530550 189380
18	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: HORNSEY Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 11th June 1990 Incident Reference: NE900222 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	811	3	530900 189200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	**Water Abstractions** Operator: Urban Hill Limited Licence Number: 29/38/09/0141 Permit Version: Not Supplied Location: Clarendon Road, WOOD GREEN Authority: Environment Agency, Thames Region Abstraction: Cooling Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 4 Yearly Rate (m3): 5 Details: Chalk (Undifferentiated) Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13NW (W)	0	3	530600 190100
20	**Water Abstractions** Operator: Thames Water Utilities Ltd Licence Number: 29/38/09/0157 Permit Version: 104 Location: Station Road - Nlars Point 13 Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Nlars Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 23rd July 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	211	3	530484 190412
20	**Water Abstractions** Operator: Thames Water Utilities Ltd Licence Number: 29/38/09/0157 Permit Version: 103 Location: Station Road - Nlars Point 13 Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 16th October 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	211	3	530480 190410
20	**Water Abstractions** Operator: Thames Water Utilities Ltd Licence Number: 29/38/09/0157 Permit Version: 102 Location: Station Road - Nlars Point 13 Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 27th December 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	211	3	530480 190410

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	**Water Abstractions** Operator: Thames Water Utilities Ltd Licence Number: 29/38/09/0157 Permit Version: 101 Location: Station Road - Nlars Point 13 Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st March 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	211	3	530480 190410
20	**Water Abstractions** Operator: Thames Water Utilities Ltd Licence Number: 29/38/09/0157 Permit Version: 100 Location: Station Road - Nlars Point 13 Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 275000 Yearly Rate (m3): 55000000 Details: Aggregated Volume From 35 Sites Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 26th June 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	211	3	530480 190410
21	**Water Abstractions** Operator: Thames Water Utilities Ltd Licence Number: 29/38/09/0157 Permit Version: 104 Location: Hornsey Filter Beds - Nlars Point 14 Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Nlars Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 23rd July 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8NW (S)	234	3	530589 189752
21	**Water Abstractions** Operator: Thames Water Utilities Ltd Licence Number: 29/38/09/0157 Permit Version: 103 Location: Hornsey Filter Beds - Nlars Point 14 Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 16th October 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8NW (S)	236	3	530590 189750

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	**Water Abstractions** Operator: Thames Water Utilities Ltd Licence Number: 29/38/09/0157 Permit Version: 102 Location: Hornsey Filter Beds - Nlars Point 14 Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 27th December 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8NW (S)	236	3	530590 189750
21	**Water Abstractions** Operator: Thames Water Utilities Ltd Licence Number: 29/38/09/0157 Permit Version: 101 Location: Hornsey Filter Beds - Nlars Point 14 Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st March 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8NW (S)	236	3	530590 189750
21	**Water Abstractions** Operator: Thames Water Utilities Ltd Licence Number: 29/38/09/0157 Permit Version: 100 Location: Hornsey Filter Beds - Nlars Point 14 Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 275000 Yearly Rate (m3): 55000000 Details: Aggregated Volume From 35 Sites Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 26th June 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8NW (S)	236	3	530590 189750
22	**Water Abstractions** Operator: Thames Water Utilities Ltd Licence Number: 29/38/09/0157 Permit Version: 104 Location: Hornsey Sluice, Nlars Point 15 Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Nlars Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 23rd July 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8NE (S)	421	3	530690 189555

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	**Water Abstractions** Operator: Thames Water Utilities Ltd Licence Number: 29/38/09/0157 Permit Version: 103 Location: Hornsey Sluice, Nlars Point 15 Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 16th October 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8NE (S)	427	3	530700 189550
22	**Water Abstractions** Operator: Thames Water Utilities Ltd Licence Number: 29/38/09/0157 Permit Version: 102 Location: Hornsey Sluice, Nlars Point 15 Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 27th December 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8NE (S)	427	3	530700 189550
22	**Water Abstractions** Operator: Thames Water Utilities Ltd Licence Number: 29/38/09/0157 Permit Version: 101 Location: Hornsey Sluice, Nlars Point 15 Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st March 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8NE (S)	427	3	530700 189550
22	**Water Abstractions** Operator: Thames Water Utilities Ltd Licence Number: 29/38/09/0157 Permit Version: 100 Location: Hornsey Sluice, Nlars Point 15 Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 275000 Yearly Rate (m3): 55000000 Details: Aggregated Volume From 35 Sites Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 26th June 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8NE (S)	427	3	530700 189550

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	**Water Abstractions** Operator: Thames Water Utilities Ltd Licence Number: 29/38/09/0110 Permit Version: Not Supplied Location: Campsbourne Well, HORNSEY Authority: Environment Agency, Thames Region Abstraction: Public Water Supply Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 3978 Yearly Rate (m3): 829645 Details: Chalk (Undifferentiated) Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8NW (S)	501	3	530500 189500
24	**Water Abstractions** Operator: Thames Water Utilities Ltd Licence Number: 29/38/09/0157 Permit Version: 104 Location: Hornsey Gatehouse - Nlars Point 16 Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Nlars Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 23rd July 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SE (S)	591	3	530784 189397
24	**Water Abstractions** Operator: Thames Water Utilities Ltd Licence Number: 29/38/09/0157 Permit Version: 103 Location: Hornsey Gatehouse - Nlars Point 16 Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 16th October 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SE (S)	597	3	530780 189390
24	**Water Abstractions** Operator: Thames Water Utilities Ltd Licence Number: 29/38/09/0157 Permit Version: 102 Location: Hornsey Gatehouse - Nlars Point 16 Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 27th December 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SE (S)	597	3	530780 189390

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	**Water Abstractions** Operator: Thames Water Utilities Ltd Licence Number: 29/38/09/0157 Permit Version: 101 Location: Hornsey Gatehouse - Nlars Point 16 Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st March 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SE (S)	597	3	530780 189390
24	**Water Abstractions** Operator: Thames Water Utilities Ltd Licence Number: 29/38/09/0157 Permit Version: 100 Location: Hornsey Gatehouse - Nlars Point 16 Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 275000 Yearly Rate (m3): 55000000 Details: Aggregated Volume From 35 Sites Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 26th June 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SE (S)	597	3	530780 189390
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 29/38/09/0157 Permit Version: 103 Location: Myddleton Road - Nlars Point 12 Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 16th October 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A23SW (N)	1217	3	530560 191430
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 29/38/09/0157 Permit Version: 102 Location: Myddleton Road - Nlars Point 12 Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 27th December 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A23SW (N)	1217	3	530560 191430

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 29/38/09/0157 Permit Version: 101 Location: Myddleton Road - Nlars Point 12 Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st March 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A23SW (N)	1217	3	530560 191430
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 29/38/09/0157 Permit Version: 100 Location: Myddleton Road - Nlars Point 12 Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 275000 Yearly Rate (m3): 55000000 Details: Aggregated Volume From 35 Sites Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 26th June 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A23SW (N)	1217	3	530560 191430
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 29/38/09/0157 Permit Version: 104 Location: Myddleton Road - Nlars Point 12 Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Nlars Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 23rd July 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A23NW (N)	1234	3	530560 191447
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 29/38/09/0157 Permit Version: 103 Location: Whittington Road - Nlars Point 11 Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 16th October 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A23NW (N)	1517	3	530600 191730

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 29/38/09/0157 Permit Version: 102 Location: Whittington Road - Nlars Point 11 Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 27th December 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A23NW (N)	1517	3	530600 191730
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 29/38/09/0157 Permit Version: 101 Location: Whittington Road - Nlars Point 11 Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st March 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A23NW (N)	1517	3	530600 191730
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 29/38/09/0157 Permit Version: 100 Location: Whittington Road - Nlars Point 11 Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 26th June 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A23NW (N)	1517	3	530600 191730
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 29/38/09/0157 Permit Version: 104 Location: Whittington Road - Nlars Point 11 Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Nlars Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 23rd July 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A23NW (N)	1521	3	530594 191734

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Muswell Hill Golf Club Licence Number: Th/038/0009/044 Permit Version: 1 Location: Borehole - Confined Chalk At Muswell Hill Golf Club Authority: Environment Agency, Thames Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Muswell Hill Golf Club, London Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 30th October 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16NW (NW)	1611	3	529066 190897
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 29/38/09/0157 Permit Version: 103 Location: Bowes Road, Enfield - Nlars Point 44 Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 16th October 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1938	3	530660 192150
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 29/38/09/0157 Permit Version: 102 Location: Bowes Road, Enfield - Nlars Point 44 Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 27th December 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1938	3	530660 192150
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 29/38/09/0157 Permit Version: 104 Location: Bowes Road, Enfield - Nlars Point 44 Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Nlars Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 23rd July 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1960	3	530663 192172

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 29/38/09/0152D Permit Version: Not Supplied Location: Bowes Road, PALMERS GREEN Authority: Environment Agency, Thames Region Abstraction: Public Water Supply Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 10000 Yearly Rate (m3): 1 Details: Also Artificial Recharge. Annual Total Aggregated To Another Licence; Licence Status: Expired Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1988	3	530700 192200
	Groundwater Vulnerability Soil Classification: Not classified Map Sheet: Sheet 40 Thames Estuary Scale: 1:100,000	A13NE (N)	0	3	530665 190114
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	A13NE (N)	0	2	530665 190114
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	A13SE (S)	0	2	530665 190000
	Superficial Aquifer Designations No Data Available				
25	**Source Protection Zones** Name: Various Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	A13NE (N)	0	3	530665 190114
26	**Source Protection Zones** Name: Various Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	A13NE (N)	0	3	530665 190114
27	**Source Protection Zones** Name: Station Road Source: Environment Agency, Head Office Reference: Th266 Type: Groundwater Source	A13NW (NW)	211	3	530480 190410
28	**Source Protection Zones** Name: Hornsey Filter Beds Source: Environment Agency, Head Office Reference: Th246 Type: Groundwater Source	A13SW (S)	226	3	530590 189760
29	**Source Protection Zones** Name: Hornsey Sluice Source: Environment Agency, Head Office Reference: Th250 Type: Groundwater Source	A8NE (S)	427	3	530700 189550
30	**Source Protection Zones** Name: Hornsey Gatehouse Source: Environment Agency, Head Office Reference: Th249 Type: Groundwater Source	A8SE (S)	597	3	530780 189390
31	**Source Protection Zones** Name: Various Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	A23SW (N)	921	3	530605 191135

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
32	**Detailed River Network Lines** River Type: Secondary River River Name: New River Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Above Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A13SW (SW)	110	3	530476 190019
33	**Detailed River Network Lines** River Type: Lake/Reservoir River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A13NW (W)	116	3	530413 190144
34	**Detailed River Network Lines** River Type: Extended Culvert (greater than 50m) River Name: New River Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk Management Status: Currently Undefined Water Course Name: Moselle Brook Water Course Reference: 53MB	A13SE (SE)	120	3	530886 189959
35	**Detailed River Network Lines** River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A13NW (NW)	129	3	530397 190244

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	**Detailed River Network Lines** River Type: Secondary River River Name: New River Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A13NW (NW)	166	3	530447 190347
37	**Detailed River Network Lines** River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A13NW (NW)	231	3	530470 190428
38	**Detailed River Network Offline Drainage** River Type: Tertiary River Hydrographic Area: D006	A13NW (W)	159	3	530350 190149
39	**Detailed River Network Offline Drainage** River Type: Tertiary River Hydrographic Area: D006	A12NE (W)	241	3	530283 190138
40	**Detailed River Network Offline Drainage** River Type: Tertiary River Hydrographic Area: D006	A12NE (W)	266	3	530252 190163
41	**Detailed River Network Offline Drainage** River Type: Tertiary River Hydrographic Area: D006	A12NE (W)	296	3	530221 190185

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
42	**Licensed Waste Management Facilities (Locations)** Licence Number: 80346 Location: 143 Station Road , Wood Green, London, N22 4ST Operator Name: Field & Palmer Ltd Operator Location: Not Supplied Authority: Environment Agency - Thames Region, North East Area Site Category: Household, Commercial And Industrial Transfer Stations **Licence Status: Surrendered** Issued: 22nd March 1996 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 30th March 2001 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	164	3	530415 190326
42	**Licensed Waste Management Facilities (Locations)** Licence Number: 80356 Location: 143 Station Road , Wood Green, London, N22 7ST Operator Name: Barnet Skips & Recycling Ltd Operator Location: Not Supplied Authority: Environment Agency - Thames Region, North East Area Site Category: Household, Commercial And Industrial Transfer Stations **Licence Status: Expired** Issued: 29th January 1999 Last Modified: Not Supplied Expires: 9th October 2001 Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	173	3	530420 190340
43	**Licensed Waste Management Facilities (Locations)** Licence Number: 401063 Location: Wood Green, Western Road, Haringey, London, N22 6UG Operator Name: LondonWaste Ltd Operator Location: Not Supplied Authority: Environment Agency - Thames Region, North East Area Site Category: Non-hazardous & hazardous HWA Site **Licence Status: Issued** Issued: 25th February 2014 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SE (S)	250	3	530795 189762
44	**Licensed Waste Management Facilities (Locations)** Licence Number: 80721 Location: 36 High Street , Hornsey, London, N8 7QB Operator Name: LondonWaste Ltd Operator Location: Not Supplied Authority: Environment Agency - Thames Region, North East Area Site Category: Household Waste Amenity Sites **Licence Status: Surrendered** Issued: 14th October 2005 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 21st October 2014 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SW (S)	571	3	530554 189414
	Local Authority Landfill Coverage Name: London Borough of Haringey - Has supplied landfill data		0	5	530665 190114
45	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1896	A13NW (NW)	125	-	530420 190276
46	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1876	A13NE (N)	183	-	530712 190394
47	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1920	A14NW (E)	409	-	531183 190298

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1876	A19SE (NE)	765	-	531488 190491
49	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1896	A12NW (W)	783	-	529754 190375
50	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1896	A14SE (E)	841	-	531636 190081
51	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1920	A19SE (NE)	842	-	531549 190542
52	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1876	A9SW (SE)	905	-	531116 189188
53	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1896	A7SE (SW)	974	-	530084 189189
54	**Registered Waste Transfer Sites** Licence Holder: N.L.W.A. Licence Reference: CR/028 Site Location: Western Road, WOOD GREEN, London, N22 Operator Location: Camden Town Hall, Euston Road, CAMDEN, London, NW1 2RU Authority: Environment Agency - Thames Region, North East Area Site Category: Civic Amenity Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: Not Supplied Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Civic Amenity/Refuse Amenity Waste	A13NW (W)	0	3	530600 190100
55	**Registered Waste Transfer Sites** Licence Holder: Barnet Skips & Recycling Ltd Licence Reference: WML80356 Site Location: Unit 2 Station Road, 143 Station Road, Wood Green, London, N22 4st Operator Location: 22 St Albans Road, Codicote, HITCHIN, Hertfordshire, SG4 8UT Authority: Environment Agency - Thames Region, North East Area Site Category: Transfer Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Licence suspendedSuspended Dated: 29th January 1999 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Supplied Authorised Waste: Electric Cable & Wire Empty Used Containers Lwra Cat. A Inert Waste Lwra Cat. Bi General Non-Putrescible Waste Maximum Storage In Licence Rubber & Latex (Including Tyres) Prohibited Waste: Leather Processing Waste Liquid Wastes Metal Swarf/Dusts/Particulates Poisonous, Noxious, Polluting Wastes Pulverised Fuel Ash/Vanadium Contaminated Ash Sludge Wastes Special Waste (As In Epa 1990:S62 Of 1996 Regs) Toxic Metal Slags Waste Not Otherwise Specified	A13NW (NW)	173	3	530420 190340

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
55	**Registered Waste Transfer Sites** Licence Holder: Field & Palmer Ltd Licence Reference: DL097 Site Location: BR Goods Yard at Station Road, WOOD GREEN, London, N22 Operator Location: 143 Station Road, Wood Green, HARINGEY, London, N22 4ST Authority: Environment Agency - Thames Region, North East Area Site Category: Transfer Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Licence has completion certificateSurrendered Dated: 22nd March 1996 Preceded By Licence: DL097 Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Lwra Cat. A = Inert Wastes Lwra Cat. Bi Gen.Non-Putresc Max.Waste Permitted By Licence Unsorted Scrap Metal Prohibited Waste: Clinical - As In Coll/Disp.Regs Of '88 Liquid Wastes Sludge Wastes Spec.Waste (Epa'90:S62/1996 Regs) Waste N.O.S.	A13NW (NW)	214	3	530390 190370
55	**Registered Waste Transfer Sites** Licence Holder: Field & Palmer Ltd Licence Reference: DL097 Site Location: BR Goods Yard at Station Road, WOOD GREEN, London, N22 Operator Location: 143 Station Road, Wood Green, HARINGEY, London, N22 4ST Authority: Environment Agency - Thames Region, North East Area Site Category: Transfer Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Record supersededSuperseded Dated: 1st April 1982 Preceded By Licence: Not Given Superseded By Licence: DL097 Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Construction Ind. Wastes Prohibited Waste: Clinical Waste - Clause 2 & 4 Hsc 1982 Notifiable Wastes Putrescible Waste Special Wastes	A13NW (NW)	214	3	530390 190370
56	**Registered Waste Treatment or Disposal Sites** Licence Holder: Winters Haulage Ltd Licence Reference: WIN046 Site Location: Unit 1 Rail Sidings, 143 Station Road, WOOD GREEN, London, N22 4SU Operator Location: British Rail Sidings, Oakleigh Road South, SOUTHGATE, London, N11 1HJ Authority: Environment Agency - Thames Region, North East Area Site Category: Treatment Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Licence has completion certificateSurrendered Dated: 1st April 1998 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Lwra Cat. A = Inert Wastes Max.Storage In Licence Prohibited Waste: Liquid Wastes Sludge Wastes Waste N.O.S.	A18SW (NW)	295	3	530350 190440

Hazardous Substances

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
57	**Control of Major Accident Hazards Sites (COMAH)** Name: National Grid Gas Plc Location: Hornsey Holder Station, Clarendon Road,Hornsey, Greater London, N8 0DJ Reference: Not Supplied Type: Lower Tier **Status: Active** Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	128	6	530846 189920
57	**Control of Major Accident Hazards Sites (COMAH)** Name: Transco Plc Location: Clarendon Road, Hornsby, LONDON, N8 0DJ Reference: 1028738 Type: Lower Tier **Status: Active** Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	169	6	530843 189873
58	**Notification of Installations Handling Hazardous Substances (NIHHS)** Name: Transco Location: Hornsey Holder Station, Clarendon Road, Hornsey, LONDON, N8 0DJ **Status: Not Active** Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	174	6	530843 189868
59	**Planning Hazardous Substance Consents** Name: British Gas Plc Location: Hornsey Holder Station, Clarendon Road, HARINGEY, Greater London, N8 0DJ Authority: London Borough of Haringey Application Ref: Hgy/1992/1294 Hazardous Substance: Liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not) Maximum Quantity: 0 Application date: 19th November 1992 **Decision: New application granted conditionallyGranted** Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	189	7	530830 189845
59	**Planning Hazardous Substance Consents** Name: Bg Transco Plc Location: Hornsey Depot & Holder Station, Clarendon Road, Haringey, Greater London, N8 0dj Authority: London Borough of Haringey Application Ref: Hgy/2000/0385 Hazardous Substance: Liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not) Maximum Quantity: 84.51 Application date: 29th March 2000 **Decision: New application granted conditionallyGranted** Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	192	7	530827 189840

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Thames Group	A13NE (N)	0	2	530665 190114
	BGS Estimated Soil Chemistry No data available				
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 530768, 190310 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 28.00 mg/kg Cadmium Measured Concentration: 1.00 mg/kg Chromium Measured Concentration: 98.10 mg/kg Lead Measured Concentration: 429.80 mg/kg Nickel Measured Concentration: 49.90 mg/kg	A13NE (NE)	108	2	530768 190310
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 530254, 190281 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 1.20 mg/kg Cadmium Measured Concentration: 0.50 mg/kg Chromium Measured Concentration: 128.40 mg/kg Lead Measured Concentration: 10000.00 mg/kg Nickel Measured Concentration: 38.60 mg/kg	A12NE (W)	276	2	530254 190281
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 530872, 189660 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 17.60 mg/kg Cadmium Measured Concentration: 0.60 mg/kg Chromium Measured Concentration: 49.70 mg/kg Lead Measured Concentration: 216.00 mg/kg Nickel Measured Concentration: 20.90 mg/kg	A8NE (SE)	375	2	530872 189660
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 530249, 189795 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 35.30 mg/kg Cadmium Measured Concentration: 0.70 mg/kg Chromium Measured Concentration: 96.40 mg/kg Lead Measured Concentration: 672.00 mg/kg Nickel Measured Concentration: 52.60 mg/kg	A12SE (SW)	429	2	530249 189795

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 531227, 190219 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 17.60 mg/kg Cadmium Measured Concentration: 0.40 mg/kg Chromium Measured Concentration: 77.20 mg/kg Lead Measured Concentration: 380.00 mg/kg Nickel Measured Concentration: 29.60 mg/kg	A14NW (E)	434	2	531227 190219
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 531219, 189757 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 59.20 mg/kg Cadmium Measured Concentration: 0.90 mg/kg Chromium Measured Concentration: 74.50 mg/kg Lead Measured Concentration: 738.70 mg/kg Nickel Measured Concentration: 43.70 mg/kg	A14SW (SE)	508	2	531219 189757
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 530745, 190791 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 23.10 mg/kg Cadmium Measured Concentration: 1.00 mg/kg Chromium Measured Concentration: 79.10 mg/kg Lead Measured Concentration: 358.10 mg/kg Nickel Measured Concentration: 31.90 mg/kg	A18NE (N)	581	2	530745 190791
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 530738, 189275 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 26.60 mg/kg Cadmium Measured Concentration: 1.50 mg/kg Chromium Measured Concentration: 76.70 mg/kg Lead Measured Concentration: 720.90 mg/kg Nickel Measured Concentration: 34.10 mg/kg	A8SE (S)	704	2	530738 189275
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 530361, 190893 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 21.70 mg/kg Cadmium Measured Concentration: 1.10 mg/kg Chromium Measured Concentration: 85.80 mg/kg Lead Measured Concentration: 399.00 mg/kg Nickel Measured Concentration: 37.00 mg/kg	A18NW (N)	707	2	530361 190893

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 529751, 190316 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 91.60 mg/kg Cadmium Measured Concentration: 1.70 mg/kg Chromium Measured Concentration: 117.00 mg/kg Lead Measured Concentration: 1349.80 mg/kg Nickel Measured Concentration: 97.90 mg/kg	A12NW (W)	775	2	529751 190316
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 531244, 190802 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 15.90 mg/kg Cadmium Measured Concentration: 0.70 mg/kg Chromium Measured Concentration: 61.50 mg/kg Lead Measured Concentration: 406.40 mg/kg Nickel Measured Concentration: 28.60 mg/kg	A19NW (NE)	780	2	531244 190802
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 529741, 189843 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 19.80 mg/kg Cadmium Measured Concentration: 0.50 mg/kg Chromium Measured Concentration: 116.00 mg/kg Lead Measured Concentration: 258.20 mg/kg Nickel Measured Concentration: 36.20 mg/kg	A12SW (W)	853	2	529741 189843
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 530191, 189232 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 36.80 mg/kg Cadmium Measured Concentration: 0.60 mg/kg Chromium Measured Concentration: 75.50 mg/kg Lead Measured Concentration: 841.30 mg/kg Nickel Measured Concentration: 42.60 mg/kg	A7SE (SW)	879	2	530191 189232
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 529870, 190840 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 24.50 mg/kg Cadmium Measured Concentration: 0.90 mg/kg Chromium Measured Concentration: 84.30 mg/kg Lead Measured Concentration: 368.80 mg/kg Nickel Measured Concentration: 36.40 mg/kg	A17NW (NW)	912	2	529870 190840

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 531712, 190304 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 38.00 mg/kg Cadmium Measured Concentration: 0.60 mg/kg Chromium Measured Concentration: 101.70 mg/kg Lead Measured Concentration: 1610.70 mg/kg Nickel Measured Concentration: 52.70 mg/kg	A15NW (E)	926	2	531712 190304
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 531182, 189192 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 28.30 mg/kg Cadmium Measured Concentration: 0.70 mg/kg Chromium Measured Concentration: 88.60 mg/kg Lead Measured Concentration: 815.50 mg/kg Nickel Measured Concentration: 37.00 mg/kg	A9SW (SE)	930	2	531182 189192
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 531724, 189762 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 19.90 mg/kg Cadmium Measured Concentration: 0.70 mg/kg Chromium Measured Concentration: 71.30 mg/kg Lead Measured Concentration: 371.60 mg/kg Nickel Measured Concentration: 38.50 mg/kg	A15SW (E)	968	2	531724 189762
	BGS Urban Soil Chemistry Averages Source: British Geological Survey, National Geoscience Information Service Sample Area: London Count Id: 7209 Arsenic Minimum Concentration: 1.00 mg/kg Arsenic Average Concentration: 17.00 mg/kg Arsenic Maximum Concentration: 161.00 mg/kg Cadmium Minimum Concentration: 0.10 mg/kg Cadmium Average Concentration: 0.90 mg/kg Cadmium Maximum Concentration: 165.20 mg/kg Chromium Minimum Concentration: 13.00 mg/kg Chromium Average Concentration: 79.00 mg/kg Chromium Maximum Concentration: 2094.00 mg/kg Lead Minimum Concentration: 11.00 mg/kg Lead Average Concentration: 280.00 mg/kg Lead Maximum Concentration: 10000.00 mg/kg Nickel Minimum Concentration: 2.00 mg/kg Nickel Average Concentration: 28.00 mg/kg Nickel Maximum Concentration: 506.00 mg/kg	A13NE (N)	0	2	530665 190114

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	2	530665 190114
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	2	530665 190000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	2	530665 190114
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	2	530665 190000
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	162	2	530368 190263
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	2	530665 190114
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	2	530665 190000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	2	530665 190114
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	2	530665 190000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	2	530665 190114
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	2	530665 190000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	162	2	530368 190263
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	2	530665 190114
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	2	530665 190000
	Radon Potential - Radon Affected Areas Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	2	530665 190000
	Radon Potential - Radon Affected Areas Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	2	530665 190114
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	2	530665 190000
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	2	530665 190114

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
60	**Contemporary Trade Directory Entries** Name: In Harmony Dental Studio Location: The Chocolate Factory,The Business Centre,Clarendon Rd, London, N22 6XJ Classification: Medical & Dental Laboratories **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A13NE (SE)	0	-	530674 190095
60	**Contemporary Trade Directory Entries** Name: Nesta Davies Location: The Chocolate Factory Studios,5 Clarendon Rd, London, N22 6XJ Classification: Bookbinding & Equipment **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	0	-	530674 190094
60	**Contemporary Trade Directory Entries** Name: Pineland Location: Unit B003,The Business Centre,5 Clarendon Rd, London, N22 6XJ Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	0	-	530674 190094
60	**Contemporary Trade Directory Entries** Name: Maxitech.Biz Location: Unit A/10, The Business Centre, 5, Clarendon Road, London, N22 6XJ Classification: Computer Recycling & Disposal **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (SE)	0	-	530674 190095
61	**Contemporary Trade Directory Entries** Name: Ellis Bridals Location: 1, Guillemot Place, Clarendon Road, London, N22 6XG Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	0	-	530696 190158
62	**Contemporary Trade Directory Entries** Name: Bentona Ltd Location: Coburg Ho,Coburg Rd, London, N22 6UB Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SE (S)	0	-	530674 189982
62	**Contemporary Trade Directory Entries** Name: Miss Prestige Location: Unit 5,Olympia Ind Est,Coburg Rd, London, N22 6TZ Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A13SE (S)	0	-	530668 190002
62	**Contemporary Trade Directory Entries** Name: The Gourmet Candy Co Location: 1, Mallard Place, Coburg Road, London, N22 6TS Classification: Confectionery Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (S)	0	-	530689 189993
62	**Contemporary Trade Directory Entries** Name: Ematin Fire Protection Ltd Location: 77, Coburg Road, London, N22 6UB Classification: Firefighting Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (S)	24	-	530673 189955
62	**Contemporary Trade Directory Entries** Name: A C I Limousines Location: 57, Coburg Road, London, N22 6UB Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (S)	33	-	530706 189961
62	**Contemporary Trade Directory Entries** Name: American Car Imports Location: 57, Coburg Road, London, N22 6UB Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (S)	33	-	530706 189961
62	**Contemporary Trade Directory Entries** Name: Harte Ltd Location: 71-81, Western Road, LONDON, N22 6US Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (S)	71	-	530697 189915

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	**Contemporary Trade Directory Entries** Name: Lanarealm Ltd Location: 2, Kingfisher Place, Clarendon Road, London, N22 6XF Classification: Optical Goods - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	0	-	530759 190039
63	**Contemporary Trade Directory Entries** Name: Rodina Fashions Location: Parma Ho,Clarendon Rd, London, N22 6UL Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13SE (SE)	0	-	530726 190028
63	**Contemporary Trade Directory Entries** Name: Superset Ltd Location: Parma Ho,Clarendon Rd, London, N22 6UL Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13SE (SE)	0	-	530724 190037
64	**Contemporary Trade Directory Entries** Name: Ottorose Location: Mallard Pl,Coburg Rd, London, N22 6TS Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A13SE (SE)	0	-	530716 190008
65	**Contemporary Trade Directory Entries** Name: Sal Packaging Ltd Location: 105, Mayes Road, London, N22 6UP Classification: Packaging & Wrapping Equipment & Supplies **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NE (E)	0	-	530769 190129
65	**Contemporary Trade Directory Entries** Name: Mixrepairs Ltd Location: 105, Mayes Road, London, N22 6UP Classification: Domestic Appliances - Servicing, Repairs & Parts **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (E)	0	-	530769 190129
65	**Contemporary Trade Directory Entries** Name: China Red International Location: Cypress House,Coburg Rd, London, N22 6UJ Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NE (E)	17	-	530794 190108
65	**Contemporary Trade Directory Entries** Name: Scoot Design & Print Location: 2, Coburg Road, London, N22 6UJ Classification: Digital Printing **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (E)	18	-	530796 190109
65	**Contemporary Trade Directory Entries** Name: Comtext Ltd Location: Proton House, Coburg Road, London, N22 6UJ Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A13NE (E)	18	-	530796 190109
65	**Contemporary Trade Directory Entries** Name: Golden Locks Ltd Location: Proton House, Coburg Road, London, N22 6UJ Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A13NE (E)	18	-	530796 190109
65	**Contemporary Trade Directory Entries** Name: G C Express Location: Proton House, Coburg Road, London, N22 6UJ Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A13NE (E)	18	-	530796 190109
65	**Contemporary Trade Directory Entries** Name: Lady Rodina Ltd Location: 2, Coburg Road, London, N22 6UJ Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (E)	18	-	530796 190109

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
65	**Contemporary Trade Directory Entries** Name: Starosa Ltd Location: Proton House, Coburg Road, London, N22 6UJ Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A13NE (E)	18	-	530796 190109
65	**Contemporary Trade Directory Entries** Name: Maxella Ltd Location: 2, Coburg Road, London, N22 6UJ Classification: Clothing & Fabrics - Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (E)	18	-	530796 190109
65	**Contemporary Trade Directory Entries** Name: Masterfull Ltd Location: Unit D Second Floor,Cypress House,Coburg Rd, London, N22 6UJ Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NE (E)	18	-	530795 190108
65	**Contemporary Trade Directory Entries** Name: Siorbatzudis Location: Unit C, Second Floor,Cypress House,Coburg Rd, London, N22 6UJ Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NE (E)	18	-	530795 190108
65	**Contemporary Trade Directory Entries** Name: Hard Bodies Sportswear Location: 107, Mayes Road, London, N22 6UP Classification: Leisure & Sportswear Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A13NE (E)	27	-	530819 190138
66	**Contemporary Trade Directory Entries** Name: Beamonde Clothing Location: Coburg Rd, London, N22 6UJ Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13SE (SE)	6	-	530780 190024
66	**Contemporary Trade Directory Entries** Name: Lord Ltd Location: 4 Coburg Rd, London, N22 6UJ Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	12	-	530800 190057
66	**Contemporary Trade Directory Entries** Name: Ardella Ltd Location: 4 Coburg Rd, London, N22 6UJ Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	13	-	530801 190057
66	**Contemporary Trade Directory Entries** Name: Keltona Ltd Location: 4 Coburg Rd, London, N22 6UJ Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	13	-	530801 190056
66	**Contemporary Trade Directory Entries** Name: Blue Nile Clothing Location: Unit 2, Bittern Place, Coburg Road, LONDON, N22 6TP Classification: Clothing & Fabrics - Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	28	-	530815 190017
66	**Contemporary Trade Directory Entries** Name: Quest Ladieswear Ltd Location: Coburg Rd, London, N22 6TP Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	45	-	530824 190002
66	**Contemporary Trade Directory Entries** Name: Alera Location: 1 Bittern Pl,Coburg Rd, London, N22 6TP Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	45	-	530824 190002

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
66	**Contemporary Trade Directory Entries** Name: Brook Farm Sausages Location: Unit 1, Brook Road, London, N22 6TR Classification: Sausage Manufacturers **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A13SE (SE)	53	-	530827 189994
66	**Contemporary Trade Directory Entries** Name: Freeze Ltd Location: Unit 4, Bittern Place, Coburg Road, London, N22 6TP Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (E)	55	-	530849 190049
66	**Contemporary Trade Directory Entries** Name: Lace Co-Ordinates Ltd Location: 20, Brook Road, London, N22 6TR Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	67	-	530837 189985
66	**Contemporary Trade Directory Entries** Name: New Promotions Ltd Location: Brook Road, London, N22 6TR Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A13SE (SE)	67	-	530837 189985
66	**Contemporary Trade Directory Entries** Name: Heartbreakers Ltd Location: 20, Brook Road, London, N22 6TR Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	67	-	530837 189985
67	**Contemporary Trade Directory Entries** Name: Narcissus Ltd Location: 146, Mayes Road, London, N22 6SY Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	33	-	530772 190221
68	**Contemporary Trade Directory Entries** Name: P J Johnson & Co Timber Ltd Location: Unit 1, Olympia Industrial Estate, Coburg Road, LONDON, N22 6TZ Classification: Builders' Merchants **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	45	-	530744 189964
68	**Contemporary Trade Directory Entries** Name: Turnaround Publisher Services Location: Unit 3, Olympia Industrial Estate, Coburg Road, London, N22 6TZ Classification: Distribution Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	45	-	530744 189964
69	**Contemporary Trade Directory Entries** Name: View Clothing Co Location: Unit 3, Bittern Place, Coburg Road, London, N22 6TP Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (E)	84	-	530880 190028
69	**Contemporary Trade Directory Entries** Name: Bluecat Location: Unit 5-7,Albion House,Brook Rd, London, N22 6TR Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13SE (SE)	98	-	530889 190008
70	**Contemporary Trade Directory Entries** Name: The Gold Leaf Location: 106, Station Road, London, N22 7SY Classification: Picture & Picture Frame Renovating & Restoring **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (N)	140	-	530591 190349
71	**Contemporary Trade Directory Entries** Name: Downham Petroleum Co Ltd Location: 76-84, Mayes Road, London, N22 6TE Classification: Petrol Filling Stations - 24 Hour **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NE (E)	151	-	530942 190102

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
71	**Contemporary Trade Directory Entries** Name: Jet Car Sales Location: 76-84, Mayes Road, London, N22 6TE Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (E)	159	-	530950 190121
71	**Contemporary Trade Directory Entries** Name: Jet Car Sales Location: 76-84, Mayes Road, London, N22 6TE Classification: Car Dealers - Used **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (E)	159	-	530950 190121
71	**Contemporary Trade Directory Entries** Name: London Car Sales Location: 76-84, Mayes Road, LONDON, N22 6TE Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (E)	159	-	530950 190121
72	**Contemporary Trade Directory Entries** Name: Euroclean Location: Unit 4, 201, High Road, London, N22 6DR Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	199	-	530938 190304
73	**Contemporary Trade Directory Entries** Name: Verano Convector Location: 10, Cumberland Road, London, N22 7TD Classification: Central Heating Supplies & Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (N)	212	-	530718 190423
73	**Contemporary Trade Directory Entries** Name: Egea Distribution Location: 2, Cumberland Road, London, N22 7TD Classification: Musical Instrument - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (N)	227	-	530689 190439
74	**Contemporary Trade Directory Entries** Name: Brooke House Location: Penwortham Court, 50, Mayes Road, London, N22 6SR Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	219	-	531014 190054
74	**Contemporary Trade Directory Entries** Name: Neilelectrics Location: Unit 24, Market Hall, Wood Green Shopping City, High Road, London, N22 6YE Classification: Vacuum Cleaners - Sales & Service **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SW (E)	236	-	531029 190082
75	**Contemporary Trade Directory Entries** Name: 3k Print Location: 189, High Road, London, N22 6BA Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	242	-	531034 190212
75	**Contemporary Trade Directory Entries** Name: Aspect Corporate Clothing Location: 6, The Broadway, London, N22 6DS Classification: T-Shirts **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (E)	271	-	531054 190248
76	**Contemporary Trade Directory Entries** Name: Snappy Snaps Location: Unit 1, 201, High Road, London, N22 6DR Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	272	-	531005 190339

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
77	**Contemporary Trade Directory Entries** Name: Palace Metal Recycling Location: Yard Next to,139 Station Rd, London, N22 7ST Classification: Scrap Metal Merchants **Status: Inactive** Positional Accuracy: Manually positioned to an adjacent address or location	A13NW (NW)	279	-	530361 190429
77	**Contemporary Trade Directory Entries** Name: Station Cars Location: 147-155, Station Road, London, N22 7ST Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	326	-	530329 190464
78	**Contemporary Trade Directory Entries** Name: Alpha Delta Motors Ltd Location: 25, Watsons Road, London, N22 7TZ Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A18SE (NE)	288	-	530836 190477
78	**Contemporary Trade Directory Entries** Name: Katherine Seymour Ltd Location: Unit 1, 25, Watsons Road, London, N22 7TZ Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A18SE (NE)	288	-	530836 190477
78	**Contemporary Trade Directory Entries** Name: Arriva London Location: 16, Watsons Road, London, N22 7TZ Classification: Bus & Coach Operators & Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (NE)	288	-	530836 190477
78	**Contemporary Trade Directory Entries** Name: East Africa Garage Location: 25, Watsons Road, London, N22 7TZ Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A18SE (NE)	288	-	530836 190477
78	**Contemporary Trade Directory Entries** Name: Arriva London Location: 16, Watsons Road, London, N22 7TZ Classification: Bus & Coach Operators & Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (NE)	288	-	530836 190477
78	**Contemporary Trade Directory Entries** Name: H & D Auto Location: Unit 8,25 Watsons Rd, London, N22 7TZ Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A18SE (NE)	314	-	530863 190494
78	**Contemporary Trade Directory Entries** Name: Megaford Location: Unit 1,25 Watsons Rd, London, N22 7TZ Classification: Distribution Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A18SE (NE)	315	-	530841 190504
79	**Contemporary Trade Directory Entries** Name: Fast Cleaners Haringey Location: 36, Park Ridings, London, N8 0LD Classification: Cleaning Services - Domestic **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	292	-	531062 189916
80	**Contemporary Trade Directory Entries** Name: Friday Motors Location: 1, Park Ridings, London, N8 0LB Classification: Car Engine Tuning & Diagnostic Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	301	-	531006 189822
80	**Contemporary Trade Directory Entries** Name: J Grimes Location: 1, Park Ridings, London, N8 0LB Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	301	-	531006 189822

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
80	**Contemporary Trade Directory Entries** Name: K Achillea Autobody And Paint Ltd Location: 1, Park Ridings, London, N8 0LB Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	301	-	531006 189822
80	**Contemporary Trade Directory Entries** Name: Biowise Pest Control Services Location: 20, Malvern Road, London, N8 0LA Classification: Pest & Vermin Control **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	340	-	531037 189797
81	**Contemporary Trade Directory Entries** Name: Cleaning 4 Busy Professionals Location: Flat 71, Tarleton Court, 155-165, High Road, London, N22 6AX Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	301	-	531097 190046
82	**Contemporary Trade Directory Entries** Name: Warehouse Factory Shop Location: 146, High Road, London, N22 6EB Classification: Hardware **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	311	-	531101 190226
82	**Contemporary Trade Directory Entries** Name: Coleman Bros Home Decorating Centre Ltd Location: 136c, High Road, London, N22 6EB Classification: Wallpapers & Wall Coverings **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	313	-	531109 190184
82	**Contemporary Trade Directory Entries** Name: A Man With A Van Location: 118 High Rd, London, N22 6BA Classification: Waste Disposal Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14NW (E)	317	-	531113 190149
83	**Contemporary Trade Directory Entries** Name: Mobile World Location: 154a, High Road, London, N22 6EB Classification: Mobile Phone Accessories and Car Kits **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	313	-	531097 190250
84	**Contemporary Trade Directory Entries** Name: Smart Accessories Ltd Location: Unit 40-41, Market Hall, Wood Green Shopping City, High Road, London, N22 6YE Classification: Mobile Phone Accessories and Car Kits **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (E)	322	-	531114 190104
84	**Contemporary Trade Directory Entries** Name: The Perfume Shop Location: Unit 32, Market Hall, Wood Green Shopping City, High Road, London, N22 6YE Classification: Perfume Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	322	-	531114 190104
84	**Contemporary Trade Directory Entries** Name: Mem'S Travel Location: Unit 27, Market Hall, Wood Green Shopping City, High Road, London, N22 6YE Classification: Bags, Belts & Accessories - Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	322	-	531114 190104
84	**Contemporary Trade Directory Entries** Name: Euroclean Location: Unit 4, Market Hall, Wood Green Shopping City, High Road, London, N22 6YE Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	322	-	531114 190104

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
84	**Contemporary Trade Directory Entries** Name: Genie Fashon Location: Unit B/8, Wood Green Shopping City, High Road, London, N22 6YQ Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	322	-	531114 190104
85	**Contemporary Trade Directory Entries** Name: Top Dry Cleaners Location: 196, High Road, London, N22 8HH Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	344	-	530999 190442
85	**Contemporary Trade Directory Entries** Name: J N R Recovery Location: 196, High Road, London, N22 8HH Classification: Car Body Repairs **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	344	-	530999 190442
85	**Contemporary Trade Directory Entries** Name: North East West Pest Control Ltd Location: 196, High Road, London, N22 8HH Classification: Pest & Vermin Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	344	-	530999 190442
85	**Contemporary Trade Directory Entries** Name: Metallic Pigments Co Location: 196, High Road, London, N22 8HH Classification: Plastics - Injection Moulding **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	344	-	530999 190442
85	**Contemporary Trade Directory Entries** Name: Gas Boiler Services Location: 196 High Rd, London, N22 8HH Classification: Boilers - Servicing, Replacements & Repairs **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	344	-	530999 190442
85	**Contemporary Trade Directory Entries** Name: D P L Skips Location: 196, High Road, London, N22 8HH Classification: Waste Disposal Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	344	-	530999 190442
85	**Contemporary Trade Directory Entries** Name: Dual Tech Communications Location: 196, High Road, London, N22 8HH Classification: Telecommunications Equipment & Systems **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	344	-	530999 190442
85	**Contemporary Trade Directory Entries** Name: Sparkles Location: 196, High Road, London, N22 8HH Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	344	-	530999 190442
85	**Contemporary Trade Directory Entries** Name: Printing Oxford Location: 196, High Road, London, N22 8HH Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	344	-	530999 190442
86	**Contemporary Trade Directory Entries** Name: Transcontinental Shipping & Travel Ltd Location: Ashley House, 235-239, High Road, London, N22 8HF Classification: Freight Forwarders **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (NE)	364	-	530930 190513
86	**Contemporary Trade Directory Entries** Name: Fanashi Cleaning Services Location: Ashley House, 235-239, High Road, London, N22 8HF Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A18SE (NE)	364	-	530930 190513

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
86	**Contemporary Trade Directory Entries** Name: Motor Technique Location: 228-230, High Road, London, N22 8HH Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (NE)	392	-	530967 190522
86	**Contemporary Trade Directory Entries** Name: Spraybest Motors Location: 1a Cranbrook Park, London, N22 5NA Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A18SE (NE)	421	-	530988 190544
87	**Contemporary Trade Directory Entries** Name: Grip Leatherland Ltd Location: 102, High Road, London, N22 6HE Classification: Leather Garments & Products **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	370	-	531164 190077
88	**Contemporary Trade Directory Entries** Name: Taylor Beaumont Location: 34, Park Avenue, London, N22 7EX Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (N)	373	-	530550 190587
89	**Contemporary Trade Directory Entries** Name: Dry Clean Location: 734, Lordship Lane, London, N22 5JP Classification: Laundries & Launderettes **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	374	-	531068 190421
90	**Contemporary Trade Directory Entries** Name: C J Oakley Location: 34, Selborne Road, London, N22 7TL Classification: Cabinet Makers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (N)	377	-	530662 190589
91	**Contemporary Trade Directory Entries** Name: Russian Camera Specialists Location: 32, Ravenstone Road, London, N8 0JT Classification: Photographic Equipment Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	394	-	530998 189699
92	**Contemporary Trade Directory Entries** Name: Technique Motors Location: 725-733 Lordship La, London, N22 5JY Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A14NW (NE)	441	-	531150 190428
93	**Contemporary Trade Directory Entries** Name: A Five Star Cleaning Service Location: 56, Gladstone Avenue, London, N22 6LL Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	448	-	531243 190196
93	**Contemporary Trade Directory Entries** Name: A Five Star Cleaning Service Location: 56, Gladstone Avenue, London, N22 6LL Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	448	-	531243 190196
94	**Contemporary Trade Directory Entries** Name: P Helbig Location: 41a, Hornsey Park Road, London, N8 0JU Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	456	-	530955 189608
95	**Contemporary Trade Directory Entries** Name: Macdonald Race Engineering Location: 50, Clarendon Road, London, N8 0DJ Classification: Engineers - General **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	457	-	530905 189585

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
95	**Contemporary Trade Directory Entries** Name: A Touch Of Glass Location: 50c, Clarendon Road, London, N8 0DJ Classification: Stained Glass Designers & Producers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	457	-	530905 189585
95	**Contemporary Trade Directory Entries** Name: Jessica Buttons Location: 30, Clarendon Road, London, N8 0DJ Classification: Tungsten Tool Manufacturers & Distributors **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	489	-	530920 189557
96	**Contemporary Trade Directory Entries** Name: Papillon Designs International Ltd Location: 13, Clarendon Road, London, N8 0DD Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A8NE (S)	468	-	530865 189554
96	**Contemporary Trade Directory Entries** Name: Future Format Location: Aztec Studios,Clarendon Rd,Hornsey, London, N8 0BX Classification: Metal Workers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A8NE (S)	470	-	530887 189562
96	**Contemporary Trade Directory Entries** Name: Hertie Ltd Location: 25, Clarendon Road, London, N8 0DD Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (S)	471	-	530863 189551
96	**Contemporary Trade Directory Entries** Name: Edgardo Aranovich Location: 25 Aztec Studios,Clarendon Rd, London, N8 0DD Classification: Cabinet Makers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A8NE (S)	471	-	530888 189562
96	**Contemporary Trade Directory Entries** Name: Ontime Rescue & Recovery Location: 27, Clarendon Road, London, N8 0DD Classification: Car Breakdown & Recovery Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (S)	471	-	530863 189551
96	**Contemporary Trade Directory Entries** Name: Adajio Ltd Location: 25-27, Clarendon Road, LONDON, N8 0DD Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (S)	471	-	530863 189551
96	**Contemporary Trade Directory Entries** Name: M H M Location: 19, Clarendon Road, London, N8 0DD Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (S)	490	-	530873 189534
97	**Contemporary Trade Directory Entries** Name: Capital Printers Location: 1, Brampton Park Road, London, N22 6BG Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	468	-	531241 189892
98	**Contemporary Trade Directory Entries** Name: The Perfume Shop Location: 89, High Road, London, N22 6BB Classification: Perfume Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	470	-	531248 189911
98	**Contemporary Trade Directory Entries** Name: Klick Location: 8, Cheapside, High Road, London, N22 6HH Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	470	-	531259 189958

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
98	**Contemporary Trade Directory Entries** Name: Wood Green Rubbish Clearance Location: Unit 8 High Road, London, N22 6HL Classification: Waste Disposal Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A14SW (E)	484	-	531266 189922
99	**Contemporary Trade Directory Entries** Name: Asa Distribution Location: 2a, Pellatt Grove, London, N22 5PL Classification: Distribution Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	476	-	530998 190603
99	**Contemporary Trade Directory Entries** Name: Asa Location: 2a Pellatt Gr, London, N22 5PL Classification: Distribution Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	479	-	531002 190604
100	**Contemporary Trade Directory Entries** Name: Vale Cottage Motors Location: Cross Lane, London, N8 7SA Classification: Classic Car Specialists **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NW (S)	476	-	530609 189501
100	**Contemporary Trade Directory Entries** Name: Rick Baker Location: The Workshop, Unit F2, Cross Lane, London, N8 7SA Classification: Cabinet Makers **Status: Active** Positional Accuracy: Automatically positioned in the proximity of the address	A8NW (S)	503	-	530571 189479
100	**Contemporary Trade Directory Entries** Name: Belmont Fashions Location: Cross Lane, London, N8 7SA Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A8NW (S)	503	-	530571 189479
100	**Contemporary Trade Directory Entries** Name: Pool Motors Location: Cross Lane, London, N8 7SA Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A8NW (S)	503	-	530571 189479
100	**Contemporary Trade Directory Entries** Name: Trevor Hazel Location: Unit F2, Cross Lane, London, N8 7SA Classification: Cabinet Makers **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A8NW (S)	503	-	530571 189479
100	**Contemporary Trade Directory Entries** Name: D S Supplies Location: Cross House, Cross Lane, London, N8 7SA Classification: Builders' Merchants **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A8NW (S)	527	-	530610 189450
100	**Contemporary Trade Directory Entries** Name: Baker Rick Location: F2 Cross La, London, N8 7SA Classification: Cabinet Makers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A8NW (S)	528	-	530586 189452
100	**Contemporary Trade Directory Entries** Name: Colourtex Dyers Ltd Location: 1b Cross La, London, N8 7SA Classification: Dyers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A8NW (S)	544	-	530593 189435
100	**Contemporary Trade Directory Entries** Name: Phoeniw Ironwork & Blacksmiths Co Ltd Location: Mark House,Cross La, London, N8 7SA Classification: Metal Workers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A8NW (S)	545	-	530591 189434

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
101	**Contemporary Trade Directory Entries** Name: Brighthouse Location: 2a, Lymington Avenue, London, N22 6JA Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SW (E)	477	-	531272 190008
102	**Contemporary Trade Directory Entries** Name: Travis Perkins Location: Palace Gates Yard,31 Bridge Rd, London, N22 7SN Classification: Builders' Merchants **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A17SE (NW)	488	-	530279 190623
102	**Contemporary Trade Directory Entries** Name: Travis Perkins Plc Location: 31, Bridge Road, London, N22 7SN Classification: Builders' Merchants **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	506	-	530277 190643
103	**Contemporary Trade Directory Entries** Name: D & A Services Location: 4, Morley Avenue, London, N22 6LY Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	490	-	531279 190252
104	**Contemporary Trade Directory Entries** Name: Papas Design Ltd Location: Unit 4a, Cross Lane, London, N8 7SA Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	502	-	530636 189473
105	**Contemporary Trade Directory Entries** Name: Simply Printing Location: 2, Palace Gates Road, London, N22 7BN Classification: Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	503	-	530168 190560
105	**Contemporary Trade Directory Entries** Name: Crescent Cars Location: Rear Of, 8-16, Palace Gates Road, London, N22 7BN Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	543	-	530134 190582
105	**Contemporary Trade Directory Entries** Name: Trailer Services Location: Rear Of, 8-16, Palace Gates Road, London, N22 7BN Classification: Trailers & Towing Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	543	-	530134 190582
105	**Contemporary Trade Directory Entries** Name: Rainbow Office Design Location: 22, Palace Gates Road, London, N22 7BN Classification: Office Furniture & Equipment **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	552	-	530108 190569
105	**Contemporary Trade Directory Entries** Name: Rainbow Office Design Location: 22, Palace Gates Road, London, N22 7BN Classification: Office Furniture & Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	552	-	530108 190569
105	**Contemporary Trade Directory Entries** Name: Palace Gates Location: 26, Palace Gates Road, London, N22 7BN Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	563	-	530096 190572
106	**Contemporary Trade Directory Entries** Name: Marine Sea Foods Location: 16, Lymington Avenue, London, N22 6JA Classification: Marine Equipment & Supplies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	516	-	531312 190041

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
107	**Contemporary Trade Directory Entries** Name: Brilliant Cleaning Services Location: 46, Gathorne Road, London, N22 5ND Classification: Cleaning Services - Domestic **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	531	-	531199 190510
108	**Contemporary Trade Directory Entries** Name: Automerc Service Ltd Location: Myddelton Road, London, N8 7PY Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	548	-	530480 189457
109	**Contemporary Trade Directory Entries** Name: Phoenix Location: Cross La, London, N8 7SA Classification: Metal Workers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A8NW (S)	557	-	530594 189422
109	**Contemporary Trade Directory Entries** Name: Pool Motors Location: Cross Lane, London, N8 7SA Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	559	-	530613 189418
110	**Contemporary Trade Directory Entries** Name: Cheese Filler Co Location: Pembroke House, Campsbourne Road, London, N8 7PE Classification: Cheese Makers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	588	-	530407 189444
110	**Contemporary Trade Directory Entries** Name: Dynamite Fashions Ltd Location: Cleopatra Ho,Pembroke Rd, London, N8 7PU Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A8NW (SW)	599	-	530360 189456
111	**Contemporary Trade Directory Entries** Name: Diamond Pest Control Ltd Location: 5, Lyttleton Road, London, N8 0QB Classification: Pest & Vermin Control **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	592	-	531276 189692
112	**Contemporary Trade Directory Entries** Name: Raphael Bag Shop Location: 2, Coleraine Road, London, N8 0QL Classification: Bags, Belts & Accessories - Manufacturers & Suppliers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	601	-	531329 189758
113	**Contemporary Trade Directory Entries** Name: Sparkles Laundrette Location: 5, Vincent Road, London, N22 6NE Classification: Laundries & Launderettes **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NE (E)	606	-	531357 190394
114	**Contemporary Trade Directory Entries** Name: Muswell Hill Joinery Ltd Location: 61, High Street, London, N8 7QB Classification: Joinery Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	614	-	530582 189366
114	**Contemporary Trade Directory Entries** Name: F M G Scaffolding Ltd Location: High Street, London, N8 7QB Classification: Scaffolding & Work Platforms **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A8SW (S)	618	-	530556 189366
114	**Contemporary Trade Directory Entries** Name: New Vision Location: 55, High Street, London, N8 7QB Classification: Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SW (S)	622	-	530569 189360

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
115	**Contemporary Trade Directory Entries** Name: Tyre Fix Location: Flat 24, Sackville House, 2, Myddelton Road, London, N8 7PW Classification: Tyre Repairs & Retreading **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	616	-	530463 189392
115	**Contemporary Trade Directory Entries** Name: Mobile Mot Location: Flat 24, Sackville House, 2, Myddelton Road, London, N8 7PW Classification: Mot Testing Centres **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	616	-	530463 189392
115	**Contemporary Trade Directory Entries** Name: M B Autos Location: 23, High Street, London, N8 7QB Classification: Car Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SW (S)	626	-	530485 189374
116	**Contemporary Trade Directory Entries** Name: Krystal Dry Cleaner Location: 80, Turnpike Lane, London, N8 0PR Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	618	-	531180 189553
116	**Contemporary Trade Directory Entries** Name: N8 Graphics Location: 80, Turnpike Lane, London, N8 0PR Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	618	-	531180 189553
116	**Contemporary Trade Directory Entries** Name: M F A Location: 89-91, Turnpike Lane, London, N8 0DY Classification: Meat Product Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	637	-	531160 189515
116	**Contemporary Trade Directory Entries** Name: Barrys Handyman Centre Location: 87, Turnpike Lane, London, N8 0DY Classification: Hardware **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	641	-	531171 189518
116	**Contemporary Trade Directory Entries** Name: Simply Printing Ltd Location: 79-81, Turnpike Lane, London, N8 0DY Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	646	-	531186 189522
116	**Contemporary Trade Directory Entries** Name: Peter Fashions Location: Rear Of 79-81, Turnpike Lane, London, N8 0DY Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	646	-	531186 189522
116	**Contemporary Trade Directory Entries** Name: Bendix Self-Service Launderette Location: 73, Turnpike Lane, London, N8 0EE Classification: Laundries & Launderettes **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	654	-	531208 189529
116	**Contemporary Trade Directory Entries** Name: Toxico Location: 3-5, Turnpike Mews, Turnpike Lane, London, N8 0ED Classification: Screen Process Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	659	-	531180 189502
117	**Contemporary Trade Directory Entries** Name: P A T Freight Ltd Location: 119, Turnpike Lane, London, N8 0DU Classification: Freight Forwarders **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	623	-	531092 189489

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
118	**Contemporary Trade Directory Entries** Name: 24hrs Mobile Tyres Service Location: 16, Crescent Road, London, N22 7RS Classification: Tyre Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	637	-	530013 190586
118	**Contemporary Trade Directory Entries** Name: Latter'S Kitchens Ltd Location: 18, Crescent Road, London, N22 7RS Classification: Kitchen Furniture Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	642	-	530007 190588
118	**Contemporary Trade Directory Entries** Name: Crescent Hardware Location: 20, Crescent Road, London, N22 7RS Classification: Hardware **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	648	-	530000 190588
119	**Contemporary Trade Directory Entries** Name: Antoniou D P & Sons Ltd Location: 1, Neville Place, High Road, London, N22 8HX Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A18NE (N)	639	-	530797 190845
119	**Contemporary Trade Directory Entries** Name: Newcom Distributors Ltd Location: Unit 4, Neville Place, High Road, LONDON, N22 8HX Classification: Clocks & Watches - Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A18NE (N)	645	-	530803 190851
120	**Contemporary Trade Directory Entries** Name: Ribmade Ltd Location: 109, Nightingale Lane, London, N8 7LG Classification: T-Shirts **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	643	-	530148 189587
121	**Contemporary Trade Directory Entries** Name: E S Fashions Ltd Location: Neville Pl,High Rd, London, N22 8HX Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A18NE (N)	644	-	530853 190842
122	**Contemporary Trade Directory Entries** Name: Magiklean Location: 69, Morley Avenue, London, N22 6NG Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	658	-	531421 190373
123	**Contemporary Trade Directory Entries** Name: N R V W Ltd Location: 106-108, High Street, London, N8 7NT Classification: Refrigeration Equipment - Commercial **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	662	-	530609 189315
123	**Contemporary Trade Directory Entries** Name: Feldon Bodyworks Location: Hillfield Mews,Highfield Avenue, Hornsey/, London, N8 7NT Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A8SW (S)	680	-	530563 189302
124	**Contemporary Trade Directory Entries** Name: T T 1 Location: 300, Wightman Road, London, N8 0LT Classification: Tyre Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	664	-	531075 189435
124	**Contemporary Trade Directory Entries** Name: T T 1 Location: 298-300 Wightman Rd, London, N8 0LT Classification: Tyre Dealers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	664	-	531075 189435

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
124	**Contemporary Trade Directory Entries** Name: Town Tyres & Brake Co Location: 298-300 Wightman Rd, London, N8 0LT Classification: Tyre Dealers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	665	-	531074 189434
124	**Contemporary Trade Directory Entries** Name: Tt1 Car Care Centre Location: 298, Wightman Road, London, N8 0LT Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	687	-	531084 189414
124	**Contemporary Trade Directory Entries** Name: Town Tyres Location: 298-300 Wightman Rd, London, N8 0LT Classification: Exhaust & Shock Absorber Centres **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A9SW (SE)	688	-	531084 189413
124	**Contemporary Trade Directory Entries** Name: Goodrange Ltd Location: 296, Wightman Road, London, N8 0LT Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	693	-	531086 189408
124	**Contemporary Trade Directory Entries** Name: Town Tyers Location: 296-300 Wightman Rd, London, N8 0LT Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A9SW (SE)	693	-	531086 189408
124	**Contemporary Trade Directory Entries** Name: Kneelcrest Ltd Location: 280, Wightman Road, London, N8 0LT Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	739	-	531107 189368
125	**Contemporary Trade Directory Entries** Name: Spotless Location: 84b, High Street, London, N8 7NU Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	671	-	530539 189315
126	**Contemporary Trade Directory Entries** Name: Hornsey Cleaners Location: 15, High Street, London, N8 7PS Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	674	-	530440 189338
126	**Contemporary Trade Directory Entries** Name: Hornsey Cleaners Location: 15, High Street, London, N8 7PS Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	674	-	530440 189338
126	**Contemporary Trade Directory Entries** Name: Cars R Us Location: 2, Campsbourne Road, London, N8 7PT Classification: Scientific Apparatus & Instruments - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	674	-	530408 189350
127	**Contemporary Trade Directory Entries** Name: Your Wood Green Services Location: 51, Westbeech Road, London, N22 6HU Classification: Cleaning Services - Domestic **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SE (E)	675	-	531462 189932
128	**Contemporary Trade Directory Entries** Name: M 2 C Shop Ltd Location: 29, Eastern Road, London, N22 7DD Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	676	-	530276 190829

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
129	**Contemporary Trade Directory Entries** Name: Mary Louise Dry Cleaners Ltd Location: 7, High Street, London, N8 7PS Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SW (S)	686	-	530419 189333
129	**Contemporary Trade Directory Entries** Name: Oven Cleaning (Hornsey) Location: 62, High Street, London, N8 7NX Classification: Oven cleaning **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	711	-	530430 189302
129	**Contemporary Trade Directory Entries** Name: Ellis & Co (Motors) Ltd Location: 52, High Street, London, N8 7NX Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	733	-	530396 189291
130	**Contemporary Trade Directory Entries** Name: Jln Cleaning Services Ltd Location: Alhambra House, 5, The Campsbourne, London, N8 7PN Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (SW)	691	-	530339 189363
130	**Contemporary Trade Directory Entries** Name: Teijeiro Juan Music Co Ltd Location: 5, The Campsbourne, London, N8 7PN Classification: Musical Instrument - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (SW)	693	-	530336 189363
131	**Contemporary Trade Directory Entries** Name: Zupas Kitchen Location: 1, Waldegrave Road, London, N8 0QA Classification: Kitchen Furniture Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	694	-	531365 189640
132	**Contemporary Trade Directory Entries** Name: Lucky Star Trading Location: 22-24, High Road, London, N22 6BX Classification: Bags, Belts & Accessories - Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (SE)	700	-	531439 189763
133	**Contemporary Trade Directory Entries** Name: Well Done Services Location: 206, Bracknell Close, London, N22 5TA Classification: Cleaning Services - Domestic **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	705	-	531293 190664
134	**Contemporary Trade Directory Entries** Name: Quick Silver Location: 9, High Road, London, N22 6BH Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	716	-	531426 189697
134	**Contemporary Trade Directory Entries** Name: Currys Location: 1-3, High Road, London, N22 6BH Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	736	-	531438 189678
135	**Contemporary Trade Directory Entries** Name: Highview Gas Services Location: 81, Nightingale Lane, London, N8 7QY Classification: Gas Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	717	-	530117 189506
136	**Contemporary Trade Directory Entries** Name: Ital Gallery Location: 20, Turnpike Lane, London, N8 0PS Classification: Furniture - Reproduction **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A9NE (SE)	718	-	531379 189618

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
136	**Contemporary Trade Directory Entries** Name: Madina Halal Meat Location: 15, Turnpike Lane, London, N8 0EP Classification: Meat - Wholesale **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	738	-	531371 189576
136	**Contemporary Trade Directory Entries** Name: Milton Dry Cleaners Location: 3, Turnpike Lane, London, N8 0EP Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	752	-	531401 189590
137	**Contemporary Trade Directory Entries** Name: Hillfield Garage Location: Hillfield Garage, Hillfield Avenue, London, N8 7DU Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	721	-	530572 189259
138	**Contemporary Trade Directory Entries** Name: Hornsey Carpet Cleaners Location: 16, Rectory Gardens, London, N8 7PJ Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	723	-	530262 189371
139	**Contemporary Trade Directory Entries** Name: Sunshine Cleaners Location: 11, Commerce Road, London, N22 8DZ Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	724	-	530759 190933
140	**Contemporary Trade Directory Entries** Name: S D Heating Maintenance Location: 78, Morley Avenue, London, N22 6NG Classification: Boilers - Servicing, Replacements & Repairs **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NE (E)	726	-	531489 190380
141	**Contemporary Trade Directory Entries** Name: Kenrose Location: 1, Canning Crescent, London, N22 5SR Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	727	-	530886 190920
141	**Contemporary Trade Directory Entries** Name: Hg Ltd Location: Canning Mews, Canning Crescent, London, N22 5SR Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A18NE (N)	760	-	530908 190949
141	**Contemporary Trade Directory Entries** Name: Kenrose Location: Canning Cr, London, N22 5SR Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A18NE (N)	764	-	530906 190953
142	**Contemporary Trade Directory Entries** Name: North London Restorers Location: Flat 2, Newbury House, Partridge Way, London, N22 8DX Classification: Furniture - Repairing & Restoring **Status: Active** Positional Accuracy: Automatically positioned to the address	A18NW (N)	729	-	530450 190935
143	**Contemporary Trade Directory Entries** Name: Sea Containers Railway Services Ltd Location: Bounds Green Depot,Bridge Rd, London, N22 7SE Classification: Railway Equipment Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A17NE (NW)	736	-	530122 190818
144	**Contemporary Trade Directory Entries** Name: Haringey Mental Health Location: 276, High Road, London, N22 8JT Classification: Hospitals **Status: Active** Positional Accuracy: Automatically positioned to the address	A18NE (N)	740	-	530850 190939

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
145	**Contemporary Trade Directory Entries** Name: Inter Clean Location: 35, Hewitt Avenue, London, N22 6QH Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	749	-	531545 190165
146	**Contemporary Trade Directory Entries** Name: J Simcox Location: 99, Westbeech Road, London, N22 6HU Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	764	-	531545 189885
147	**Contemporary Trade Directory Entries** Name: Miracleaning Ltd Location: Miracleaning Ltd, London, N8 0PE Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A9NE (SE)	767	-	531442 189624
148	**Contemporary Trade Directory Entries** Name: Fast Oven Cleaning Location: 35, Crown Close, Winkfield Road, London, N22 5HG Classification: Oven cleaning **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	775	-	531423 190619
149	**Contemporary Trade Directory Entries** Name: Aqua Dry Cleaners Location: 7-15, Westbury Avenue, London, N22 6BS Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	781	-	531501 189701
150	**Contemporary Trade Directory Entries** Name: Squawk Furniture Location: 40, Tottenham Lane, London, N8 7EA Classification: Furniture Manufacturers - Home & Office **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	784	-	530867 189219
151	**Contemporary Trade Directory Entries** Name: Cleaners Of Hornsey Location: 26, High Street, London, N8 7PB Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	788	-	530309 189269
151	**Contemporary Trade Directory Entries** Name: Turnpike Motor Co Location: 20, High Street, London, N8 7PB Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	804	-	530291 189261
152	**Contemporary Trade Directory Entries** Name: Silhouette Uk Ltd Location: 333, High Road, London, N22 8GZ Classification: Optical Goods - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	788	-	530806 190994
152	**Contemporary Trade Directory Entries** Name: Silhouette (Uk) Ltd Location: 333, High Road, London, N22 8GZ Classification: Optical Goods - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	788	-	530806 190994
153	**Contemporary Trade Directory Entries** Name: L R Stewart & Sons Location: Hampden Road, Hornsey, London, N8 0HG Classification: Foundries **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A8SE (S)	790	-	530977 189252
154	**Contemporary Trade Directory Entries** Name: Leydys Location: 111, Nightingale Road, London, N22 8PT Classification: Cleaning Services - Domestic **Status: Active** Positional Accuracy: Automatically positioned to the address	A18NW (N)	791	-	530402 190989

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
155	**Contemporary Trade Directory Entries** Name: Cleaners (Higbury) Location: 107, Farrant Avenue, London, N22 6PD Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	798	-	531562 190390
155	**Contemporary Trade Directory Entries** Name: Window Cleaning (London) Location: 107, Farrant Avenue, London, N22 6PD Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	798	-	531562 190390
155	**Contemporary Trade Directory Entries** Name: Cleaners Finsbury Park Location: 107, Farrant Avenue, London, N22 6PD Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	798	-	531562 190390
155	**Contemporary Trade Directory Entries** Name: Cleaners (Hornsey) Location: 107, Farrant Avenue, London, N22 6PD Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	798	-	531562 190390
156	**Contemporary Trade Directory Entries** Name: Andersons Rubbish Clearance Location: 132, Lymington Avenue, London, N22 6JG Classification: Waste Disposal Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NE (E)	799	-	531593 190225
157	**Contemporary Trade Directory Entries** Name: Abbey Location: 56, Beechwood Road, London, N8 7NG Classification: Domestic Appliances - Servicing, Repairs & Parts **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	802	-	530027 189483
158	**Contemporary Trade Directory Entries** Name: A & J Motors Location: 61, Nightingale Road, London, N22 8QB Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NW (N)	810	-	530597 191022
159	**Contemporary Trade Directory Entries** Name: Turnpike Lane Carpet Cleaners Location: 30, Willoughby Road, London, N8 0JG Classification: Carpet, Curtain & Upholstery Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	820	-	531452 189545
160	**Contemporary Trade Directory Entries** Name: 1st Class Cleaners Location: First Floor, 13, Salisbury Road, London, N22 6NL Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	829	-	531534 190541
160	**Contemporary Trade Directory Entries** Name: 1st Class Cleaners Location: 13, Salisbury Road, London, N22 6NL Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	829	-	531534 190541
160	**Contemporary Trade Directory Entries** Name: Timbercare Ltd Location: 19, Salisbury Road, London, N22 6NL Classification: Damp & Dry Rot Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	833	-	531546 190527
161	**Contemporary Trade Directory Entries** Name: David Steven Wilton Casting Location: 65b Hampden Road, London, N8 0HX Classification: Die-Casting Equipment & Services **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A9SW (SE)	830	-	531240 189336

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
162	**Contemporary Trade Directory Entries** Name: M & J Cars Location: 6-8, High Street, London, N8 7PD Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	838	-	530247 189246
162	**Contemporary Trade Directory Entries** Name: Y T M Fireworks Location: 226, Middle Lane, London, N8 7LA Classification: Firework Stockists **Status: Active** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	854	-	530233 189235
162	**Contemporary Trade Directory Entries** Name: Boundless Beauty Location: 224a, Middle Lane, London, N8 7LA Classification: Horse Boxes & Transporting **Status: Active** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	859	-	530230 189231
162	**Contemporary Trade Directory Entries** Name: Hewitt'S Location: 214, Middle Lane, London, N8 7LA Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	885	-	530222 189206
162	**Contemporary Trade Directory Entries** Name: Harnett J A Location: 202, Middle Lane, London, N8 7LA Classification: Antiques - Repairing & Restoring **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	900	-	530228 189185
163	**Contemporary Trade Directory Entries** Name: Tottenham Lane Service Station Ltd Location: Tottenham Lane, London, N8 9DL Classification: Mot Testing Centres **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SE (S)	838	-	530894 189171
164	**Contemporary Trade Directory Entries** Name: P Mcgovern Location: 28, Glebe Road, London, N8 7DB Classification: Heating Equipment - Sales & Service **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	847	-	530626 189129
164	**Contemporary Trade Directory Entries** Name: Shoot Production Location: 23, Glebe Road, London, N8 7DA Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	871	-	530583 189108
165	**Contemporary Trade Directory Entries** Name: Vas Motors Location: 1, Frome Road, London, N22 6BP Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	853	-	531590 189726
165	**Contemporary Trade Directory Entries** Name: Premier Clutch & Brakes Location: 1, Frome Road, LONDON, N22 6BP Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	853	-	531590 189726
165	**Contemporary Trade Directory Entries** Name: The Tyre Warehouse Location: 1, Frome Road, LONDON, N22 6BP Classification: Tyre Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	853	-	531590 189726
166	**Contemporary Trade Directory Entries** Name: Prepack Direct Ltd Location: 69, Bounds Green Road, London, N22 8DF Classification: Pharmaceutical Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	860	-	530224 191007

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
167	**Contemporary Trade Directory Entries** Name: Wightman Road Service Station Location: A, 278, Wightman Road, London, N8 0LX Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	865	-	531159 189252
168	**Contemporary Trade Directory Entries** Name: Arkay Exhaust Centre Location: 573-575, Lordship Lane, London, N22 5LE Classification: Mot Testing Centres **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A19SE (NE)	866	-	531543 190603
168	**Contemporary Trade Directory Entries** Name: Star Lordship Lane Location: 573-575, Lordship Lane, London, N22 5LE Classification: Petrol Filling Stations - 24 Hour **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	866	-	531543 190603
168	**Contemporary Trade Directory Entries** Name: Lordship Motor Co Location: 609, Lordship Lane, London, N22 5LE Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	880	-	531557 190606
168	**Contemporary Trade Directory Entries** Name: Autoservice & Coach Works Location: 609, Lordship Lane, London, N22 5LE Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	887	-	531562 190610
169	**Contemporary Trade Directory Entries** Name: Haroon Mobile Shop Location: Turnpike Pde,Green Lanes, London, N15 3EA Classification: Mobile Phone Accessories and Car Kits **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A9NE (SE)	869	-	531541 189590
170	**Contemporary Trade Directory Entries** Name: Hometyre Location: Linzee Rd, London, N8 7RE Classification: Tyre Dealers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A7SE (SW)	874	-	530034 189365
171	**Contemporary Trade Directory Entries** Name: Merry House Cleaners Location: 10, Frome Road, London, N22 6BP Classification: Cleaning Services - Domestic **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NE (E)	885	-	531634 189753
172	**Contemporary Trade Directory Entries** Name: Sally Matthews Design Ltd Location: 71a, Trinity Road, London, N22 8XX Classification: Lingerie & Hosiery Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	886	-	530268 191051
173	**Contemporary Trade Directory Entries** Name: Westbrook C Location: 13a, Carlingford Road, London, N15 3ED Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	899	-	531593 189622
174	**Contemporary Trade Directory Entries** Name: Kirby Cleaning Location: 101, Truro Road, London, N22 8DH Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NW (N)	900	-	530385 191097
175	**Contemporary Trade Directory Entries** Name: A S Davies Location: 2, Baden Road, London, N8 7RJ Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	906	-	529929 189439

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
176	**Contemporary Trade Directory Entries** Name: Savvas Georgiou Location: 207-209, Langham Road, London, N15 3LH Classification: Footwear - Manufacturers and Suppliers **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	906	-	531626 189673
176	**Contemporary Trade Directory Entries** Name: Mun Keys Location: 207-209, Langham Road, London, N15 3LH Classification: Lock Suppliers and Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	906	-	531626 189673
176	**Contemporary Trade Directory Entries** Name: S S O Universal Ltd Location: 234, Langham Road, LONDON, N15 3NB Classification: Car Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	938	-	531667 189688
177	**Contemporary Trade Directory Entries** Name: A-Z Cleaning Services Location: 92, Hampden Road, London, N8 0HS Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SE (SE)	907	-	531380 189343
178	**Contemporary Trade Directory Entries** Name: Oldacre Cars Location: 349, High Road, London, N22 8JA Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A23SE (N)	914	-	530832 191118
178	**Contemporary Trade Directory Entries** Name: Carfield Ltd Location: 349, High Road, London, N22 8JA Classification: Car Dealers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A23SE (N)	914	-	530832 191118
178	**Contemporary Trade Directory Entries** Name: Expert 24 Pest Control Location: 349c, High Road, London, N22 8JA Classification: Pest & Vermin Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A23SE (N)	914	-	530832 191118
178	**Contemporary Trade Directory Entries** Name: Touch Printing Location: 349c, High Road, London, N22 8JA Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A23SE (N)	914	-	530832 191118
178	**Contemporary Trade Directory Entries** Name: T M S Ltd Location: 349 C High Rd, London, N22 8JA Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A23SE (N)	915	-	530838 191118
178	**Contemporary Trade Directory Entries** Name: Amps Motors Location: 3, Adams Mews, Truro Road, London, N22 8EX Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A23SE (N)	956	-	530818 191161
179	**Contemporary Trade Directory Entries** Name: Keiths Autos Location: 4, Priory Road, London, N8 7RD Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	917	-	530089 189257
179	**Contemporary Trade Directory Entries** Name: Priory Packaging Location: 8, Priory Road, London, N8 7RD Classification: Packaging & Wrapping Equipment & Supplies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	926	-	530079 189254

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
180	**Contemporary Trade Directory Entries** Name: Bright & Beautiful Crouch End Location: 15, Tottenham Lane, London, N8 9DJ Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A3NE (S)	919	-	530827 189071
180	**Contemporary Trade Directory Entries** Name: Bright & Beautiful Location: 15, Tottenham Lane, London, N8 9DJ Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A3NE (S)	919	-	530827 189071
180	**Contemporary Trade Directory Entries** Name: A B S Transport Location: 15a, Tottenham Lane, London, N8 9DJ Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A3NE (S)	919	-	530827 189071
180	**Contemporary Trade Directory Entries** Name: Jewson Location: 11, Tottenham Lane, London, N8 9DP Classification: Builders' Merchants **Status: Active** Positional Accuracy: Automatically positioned to the address	A3NE (S)	922	-	530876 189079
181	**Contemporary Trade Directory Entries** Name: Dial-A-Duster Location: 21, Clyde Road, London, N22 7AD Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	926	-	529704 190640
182	**Contemporary Trade Directory Entries** Name: 24hr Pest Control Location: 203a, Gladstone Avenue, London, N22 6LB Classification: Pest & Vermin Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A15NW (E)	941	-	531707 190403
182	**Contemporary Trade Directory Entries** Name: 24 Hour Pest Control London Location: 203a, Gladstone Avenue, London, N22 6LB Classification: Pest & Vermin Control **Status: Active** Positional Accuracy: Automatically positioned to the address	A15NW (E)	941	-	531707 190403
182	**Contemporary Trade Directory Entries** Name: 24hr Pest & Vermin Control Location: 203a, Gladstone Avenue, LONDON, N22 6LB Classification: Pest & Vermin Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A15NW (E)	941	-	531707 190403
183	**Contemporary Trade Directory Entries** Name: Jeff Sandra Textiles Ltd Location: 33 Tottenham La, London, N8 9BD Classification: Textile Manufacturing **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A3NE (S)	945	-	530700 189031
184	**Contemporary Trade Directory Entries** Name: Peter Murphy Carpentry Location: 31b Tottenham Lane, London, N8 9BD Classification: Cabinet Makers **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A3NE (S)	967	-	530676 189008
184	**Contemporary Trade Directory Entries** Name: Arcade Dry Cleaners Location: 53, Tottenham Lane, London, N8 9BD Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A3NE (S)	997	-	530662 188978
185	**Contemporary Trade Directory Entries** Name: Trade Domestics Location: Adams Mews,Truro Rd, London, N22 8JA Classification: Domestic Appliances - Servicing, Repairs & Parts **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A23SE (N)	967	-	530796 191174

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
186	**Contemporary Trade Directory Entries** Name: Csm Location: 102, Hillfield Avenue, London, N8 7DN Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A3NW (S)	974	-	530468 189020
187	**Contemporary Trade Directory Entries** Name: B & M Superservices Location: 110, Victoria Road, London, N22 7XF Classification: Cleaning Services - Commercial **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A16SE (NW)	984	-	529629 190620
187	**Contemporary Trade Directory Entries** Name: B & M Domestic Cleaning Services Location: 110, Victoria Road, London, N22 7XF Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A16SE (NW)	984	-	529629 190620
187	**Contemporary Trade Directory Entries** Name: B & M Superservices Location: 110, Victoria Road, London, N22 7XF Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A16SE (NW)	984	-	529629 190620
188	**Contemporary Trade Directory Entries** Name: Junkanddisorderly.Com Location: 4, Frobisher Road, London, N8 0QS Classification: Waste Disposal Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	996	-	531244 189148
189	**Contemporary Trade Directory Entries** Name: H I Q Location: 367a, High Road, London, N22 8JA Classification: Tyre Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A23SE (N)	999	-	530840 191203
190	**Fuel Station Entries** Name: Wood Green Service Station Location: 76-78 Mayes Road, Caxton Road, Wood Green, LONDON, N22 6TE Brand: Obsolete Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Manually positioned to the address or location	A13NE (E)	151	-	530942 190102
191	**Fuel Station Entries** Name: Alexandra Motors Location: 13 Bedford Road, London, N22 7AU Brand: Obsolete Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	423	-	530194 190470
192	**Fuel Station Entries** Name: Wightman Service Centre Location: 278b Wightman Road, Hampton Road, Hornsey, LONDON, N8 0LX Brand: Obsolete Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Manually positioned to the address or location	A9SW (SE)	805	-	531128 189304
193	**Fuel Station Entries** Name: A & J Motors Location: 58-64 Finsbury Road, Nightingale Road, Wood Green,, LONDON, Greater London, N22 8PD Brand: Unbranded Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Manually positioned to the address or location	A18NW (N)	807	-	530586 191020
194	**Fuel Station Entries** Name: Tottenham Lane Service Station Location: Tottenham Lane, Hornsey,, LONDON, Greater London, N8 9DL Brand: Obsolete Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Automatically positioned to the address	A8SE (S)	838	-	530894 189170

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
195	**Points of Interest - Commercial Services** Name: Direct Auto Services Location: 105 Mayes Road, London, N22 6UP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NE (E)	0	8	530769 190129
196	**Points of Interest - Commercial Services** Name: P H S Maxitech Location: Unit A/10 The Business Centre 5, Clarendon Road, London, N22 6XJ Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A13NE (SE)	0	8	530674 190095
197	**Points of Interest - Commercial Services** Name: Turnaround Publisher Services Location: Unit 3 Olympia Industrial Estate, Coburg Road, London, N22 6TZ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13SE (SE)	45	8	530744 189964
197	**Points of Interest - Commercial Services** Name: Turnaround Publishing Services Ltd Location: Unit 3 Olympia Industrial Estate, Coburg Road, London, N22 6TZ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13SE (SE)	45	8	530744 189964
197	**Points of Interest - Commercial Services** Name: Automerc Location: 83-89 Western Road, London, N22 6US Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (S)	99	8	530712 189890
198	**Points of Interest - Commercial Services** Name: Startec Motors Location: 20 Brook Road, London, N22 6TR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (SE)	67	8	530837 189985
198	**Points of Interest - Commercial Services** Name: Startec Motors Ltd Location: Unit 2-3 Herringtye House, Brook Road, London, N22 6TR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (SE)	78	8	530867 190004
198	**Points of Interest - Commercial Services** Name: Omega Logistics Ltd Location: Unit 3 Bittern Place, Coburg Road, London, N22 6TP Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13SE (E)	84	8	530880 190028
199	**Points of Interest - Commercial Services** Name: Peugeot Servicing & Repairs Location: 1 Park Ridings, London, N8 0LB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SW (SE)	301	8	531006 189822
199	**Points of Interest - Commercial Services** Name: K Achillea Location: 1 Park Ridings, London, N8 0LB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SW (SE)	301	8	531006 189822
199	**Points of Interest - Commercial Services** Name: K Achillea Auto Body & Paint Ltd Location: 1 Park Ridings, London, N8 0LB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SW (SE)	301	8	531006 189822
199	**Points of Interest - Commercial Services** Name: Biowise Pest Control Services Location: 20 Malvern Road, London, N8 0LA Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A14SW (SE)	340	8	531037 189797

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
200	**Points of Interest - Commercial Services** Name: Transcontinental Shipping & Travel Ltd Location: Ashley House 235-239, High Road, London, N22 8HF Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18SE (NE)	364	8	530930 190513
200	**Points of Interest - Commercial Services** Name: Fast Fit Tyres Location: 228-230 High Road, London, N22 8HH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (NE)	392	8	530967 190522
201	**Points of Interest - Commercial Services** Name: A & C Coachworks Location: Winning Post Service Station, Bedford Rd, London, N22 7AU Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SE (NW)	422	8	530194 190469
201	**Points of Interest - Commercial Services** Name: Alexander Motors Location: 13 Bedford Road, London, N22 7AU Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SE (NW)	422	8	530194 190470
201	**Points of Interest - Commercial Services** Name: Alexandra Services UK Ltd Location: 13 Bedford Road, London, N22 7AU Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SE (NW)	422	8	530194 190470
202	**Points of Interest - Commercial Services** Name: P Helbig Location: 41a Hornsey Park Road, London, N8 0JU Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (SE)	456	8	530955 189608
202	**Points of Interest - Commercial Services** Name: P Helbig Motor Services Location: 41a Hornsey Park Road, London, N8 0JU Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (SE)	456	8	530955 189608
203	**Points of Interest - Commercial Services** Name: A S A Distribution Ltd Location: 2a Pellatt Grove, London, N22 5PL Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A19SW (NE)	476	8	530998 190603
203	**Points of Interest - Commercial Services** Name: Asa Distribution Location: 2a Pellatt Grove, London, N22 5PL Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A19SW (NE)	476	8	530998 190603
204	**Points of Interest - Commercial Services** Name: Vale Cottage Motors Location: Cross Lane, London, N8 7SA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NW (S)	476	8	530609 189501
204	**Points of Interest - Commercial Services** Name: Pool Motors Location: Cross Lane, London, N8 7SA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SW (S)	559	8	530613 189418
204	**Points of Interest - Commercial Services** Name: Pool Motors Garage Location: Cross Lane, London, N8 7SA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SW (S)	559	8	530613 189418

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
205	**Points of Interest - Commercial Services** Name: Automerc Service Ltd Location: Myddelton Road, London, N8 7PY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NW (S)	548	8	530480 189457
205	**Points of Interest - Commercial Services** Name: Strawberry Bubbles Car Wash Location: Pembroke House, Campsbourne Road, London, N8 7AW Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A8NW (S)	588	8	530407 189444
205	**Points of Interest - Commercial Services** Name: Tyre Fix Location: Flat 24 Sackville House 2, Myddelton Road, London, N8 7PW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SW (S)	616	8	530463 189392
206	**Points of Interest - Commercial Services** Name: Textile Recycling for Aid & International Development Location: 51-53 High Road, London, N22 6BH Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A14SE (SE)	586	8	531337 189812
207	**Points of Interest - Commercial Services** Name: Diamond Pest Control Ltd Location: 5 Lyttleton Road, London, N8 0QB Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A9NW (SE)	592	8	531276 189692
208	**Points of Interest - Commercial Services** Name: P A T Freight Ltd Location: 119 Turnpike Lane, London, N8 0DU Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A9NW (SE)	623	8	531092 189489
208	**Points of Interest - Commercial Services** Name: Pat Freight Ltd Location: 308 Wightman Road, London, N8 0LT Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A9NW (SE)	645	8	531063 189451
208	**Points of Interest - Commercial Services** Name: Tt1 Garage Location: 300 Wightman Road, London, N8 0LT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	664	8	531075 189435
208	**Points of Interest - Commercial Services** Name: T T 1 Location: 298-300 Wightman Road, London, N8 0LT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	664	8	531075 189435
208	**Points of Interest - Commercial Services** Name: Town Tyres Location: 298-300 Wightman Rd, London, N8 0LT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9SW (SE)	688	8	531084 189413
208	**Points of Interest - Commercial Services** Name: Town Tyers Location: 296-300 Wightman Rd, London, N8 0LT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9SW (SE)	693	8	531086 189408
208	**Points of Interest - Commercial Services** Name: Town Tyers Location: 296-300 Wightman Road, London, N8 0LT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9SW (SE)	693	8	531086 189408

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
209	**Points of Interest - Commercial Services** Name: L D Mobile Mechanic Location: 16a Crescent Road, London, N22 7RS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SE (NW)	637	8	530013 190586
210	**Points of Interest - Commercial Services** Name: VW Golf Shop Location: 15 High Street, London, N8 7PS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SW (S)	674	8	530440 189338
210	**Points of Interest - Commercial Services** Name: V W Golf Shop Location: 15 High Street, London, N8 7PS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SW (S)	674	8	530440 189338
211	**Points of Interest - Commercial Services** Name: Hillfield Garage Location: Hillfield Avenue, London, N8 7DU Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SW (S)	675	8	530566 189307
212	**Points of Interest - Commercial Services** Name: Tottenham Lane Service Station Location: 3 Tottenham Lane, London, N8 9DJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SE (S)	790	8	530887 189219
212	**Points of Interest - Commercial Services** Name: Tottenham Lane Service Station Ltd Location: Tottenham Lane, London, N8 9DL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SE (S)	838	8	530894 189171
212	**Points of Interest - Commercial Services** Name: Tottenham Lane Service Station Ltd Location: Tottenham Lane, London, N8 9DL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SE (S)	838	8	530894 189171
213	**Points of Interest - Commercial Services** Name: High Speed Motors Location: 22a High Street, London, N8 7PB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7SE (SW)	796	8	530301 189265
214	**Points of Interest - Commercial Services** Name: Andersons Rubbish Clearance Location: 132 Lymington Avenue, London, N22 6JG Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A14NE (E)	799	8	531593 190225
215	**Points of Interest - Commercial Services** Name: High Speed Motors Ltd Location: 20 High Street, London, N8 7PB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7SE (SW)	804	8	530291 189261
215	**Points of Interest - Commercial Services** Name: Hornsey Auto Electrical Location: 222 Middle Lane, London, N8 7LA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7SE (SW)	864	8	530229 189226
215	**Points of Interest - Commercial Services** Name: Hornsey Auto Electrical Location: 222 Middle Lane, London, N8 7LA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7SE (SW)	864	8	530229 189226

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
215	**Points of Interest - Commercial Services** Name: Hewitt's Ford Gearboxes Location: 214 Middle Lane, London, N8 7LA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7SE (SW)	885	8	530222 189206
215	**Points of Interest - Commercial Services** Name: Hewitt's Ford Gearboxes Location: 214 Middle Lane, London, N8 7LA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7SE (SW)	885	8	530222 189206
216	**Points of Interest - Commercial Services** Name: A & J Motors Location: 61 Nightingale Road, London, N22 8QB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	810	8	530597 191022
217	**Points of Interest - Commercial Services** Name: Premier Clutch & Brakes Location: 1 Frome Road, London, N22 6BP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (SE)	853	8	531590 189726
218	**Points of Interest - Commercial Services** Name: Solus Location: 609 Lordship Lane, London, N22 5LE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19SE (NE)	887	8	531562 190610
218	**Points of Interest - Commercial Services** Name: Autoservice & Coach Works Location: 609 Lordship Lane, London, N22 5LE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19SE (NE)	887	8	531562 190610
218	**Points of Interest - Commercial Services** Name: Whg Auto Service & Coachworks Location: 609 Lordship Lane, London, N22 5LE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19SE (NE)	887	8	531562 190610
219	**Points of Interest - Commercial Services** Name: Eagle Speed Garage Location: 349 High Road, London, N22 8JA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A23SE (N)	914	8	530832 191118
219	**Points of Interest - Commercial Services** Name: Clee Brothers Location: 349 High Road, London, N22 8JA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A23SE (N)	914	8	530832 191118
219	**Points of Interest - Commercial Services** Name: Expert24 Pest Control Ltd Location: 349c High Road, London, N22 8JA Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A23SE (N)	914	8	530832 191118
219	**Points of Interest - Commercial Services** Name: Amps Motors Location: 3 Adams Mews, Truro Road, London, N22 8EX Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A23SE (N)	956	8	530818 191161
219	**Points of Interest - Commercial Services** Name: Amps Motors Location: 3 Adams Mews, Truro Road, London, N22 8EX Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A23SE (N)	956	8	530818 191161

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
219	**Points of Interest - Commercial Services** Name: HiQ Centre Location: 367a High Road, London, N22 8JA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A23SE (N)	999	8	530840 191203
219	**Points of Interest - Commercial Services** Name: Hiq Tyre Services Location: 367a High Road, London, N22 8JA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A23SE (N)	999	8	530840 191203
220	**Points of Interest - Commercial Services** Name: Keiths Autos Location: 4 Priory Road, London, N8 7RD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7SE (SW)	917	8	530089 189257
220	**Points of Interest - Commercial Services** Name: Nightingale Motors Location: 4 Priory Road, London, N8 7RD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7SE (SW)	917	8	530089 189257
221	**Points of Interest - Commercial Services** Name: 24 Hour Pest Control London Location: 203a Gladstone Avenue, London, N22 6LB Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A15NW (E)	941	8	531707 190403
222	**Points of Interest - Commercial Services** Name: C S M Location: 102 Hillfield Avenue, London, N8 7DN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A3NW (S)	974	8	530468 189020
222	**Points of Interest - Commercial Services** Name: C S M Location: 102 Hillfield Avenue, London, N8 7DN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A3NW (S)	974	8	530468 189020
223	**Points of Interest - Manufacturing and Production** Name: Industrial Estate Location: N22 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A13SE (S)	0	8	530665 189998
224	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SE (E)	0	8	530762 190084
224	**Points of Interest - Manufacturing and Production** Name: Works Location: N22 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SE (E)	0	8	530757 190083
225	**Points of Interest - Manufacturing and Production** Name: Tanks Location: N22 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NW (NW)	55	8	530462 190206
226	**Points of Interest - Manufacturing and Production** Name: Tanks Location: N22 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13SW (S)	69	8	530644 189908

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
226	**Points of Interest - Manufacturing and Production** Name: Works Location: N22 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SE (S)	82	8	530697 189902
226	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SE (S)	83	8	530702 189903
227	**Points of Interest - Manufacturing and Production** Name: Tank Location: N22 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NW (NW)	169	8	530416 190333
228	**Points of Interest - Manufacturing and Production** Name: Tank Location: N8 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13SW (S)	208	8	530625 189770
229	**Points of Interest - Manufacturing and Production** Name: Factory Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	338	8	530768 190545
229	**Points of Interest - Manufacturing and Production** Name: Factory Location: N22 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	338	8	530768 190545
229	**Points of Interest - Manufacturing and Production** Name: Factory Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	364	8	530767 190572
229	**Points of Interest - Manufacturing and Production** Name: Factory Location: N22 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	364	8	530767 190572
230	**Points of Interest - Manufacturing and Production** Name: Factory Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	419	8	530856 189604
230	**Points of Interest - Manufacturing and Production** Name: Factory Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NE (SE)	438	8	530898 189602
230	**Points of Interest - Manufacturing and Production** Name: Factory Location: N8 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A8NE (SE)	454	8	530901 189586
230	**Points of Interest - Manufacturing and Production** Name: Factory Location: N8 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A8NE (SE)	493	8	530917 189551

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
230	**Points of Interest - Manufacturing and Production** Name: Factory Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NE (SE)	497	8	530922 189549
231	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	485	8	530639 189490
231	**Points of Interest - Manufacturing and Production** Name: Works Location: N8 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	485	8	530639 189490
231	**Points of Interest - Manufacturing and Production** Name: Works Location: N8 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	500	8	530601 189478
231	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	501	8	530601 189477
231	**Points of Interest - Manufacturing and Production** Name: Works Location: N8 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	504	8	530652 189471
231	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	505	8	530652 189470
231	**Points of Interest - Manufacturing and Production** Name: Tanks Location: N8 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	507	8	530672 189468
231	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	507	8	530634 189469
231	**Points of Interest - Manufacturing and Production** Name: Works Location: N8 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	507	8	530634 189469
231	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	517	8	530651 189458
231	**Points of Interest - Manufacturing and Production** Name: Works Location: N8 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	517	8	530651 189458

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
231	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	520	8	530605 189458
231	**Points of Interest - Manufacturing and Production** Name: Works Location: N8 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	520	8	530605 189458
231	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	531	8	530608 189446
231	**Points of Interest - Manufacturing and Production** Name: Works Location: N8 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	531	8	530608 189446
232	**Points of Interest - Manufacturing and Production** Name: Pembroke Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	594	8	530408 189437
232	**Points of Interest - Manufacturing and Production** Name: Works Location: N8 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	596	8	530408 189435
232	**Points of Interest - Manufacturing and Production** Name: Works Location: N8 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	608	8	530332 189463
232	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	609	8	530332 189462
233	**Points of Interest - Manufacturing and Production** Name: Tank Location: N22 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	680	8	530181 190788
234	**Points of Interest - Manufacturing and Production** Name: Tank Location: N22 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A17NE (NW)	793	8	530062 190847
234	**Points of Interest - Manufacturing and Production** Name: Tanks Location: N22 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	794	8	530068 190852
234	**Points of Interest - Manufacturing and Production** Name: Tank Location: N22 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A17NE (NW)	799	8	530060 190852

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
234	**Points of Interest - Manufacturing and Production** Name: Tank Location: N22 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A17NE (NW)	802	8	530059 190856
235	**Points of Interest - Manufacturing and Production** Name: Hornsey Mouldings Location: 46c Tottenham Lane, London, N8 7ED Category: Extractive Industries Class Code: Stone Quarrying and Preparation Positional Accuracy: Positioned to address or location	A8SE (S)	830	8	530867 189172
235	**Points of Interest - Manufacturing and Production** Name: Hornsdy Mouldings Location: 46c Tottenham Lane, London, N8 7ED Category: Extractive Industries Class Code: Stone Quarrying and Preparation Positional Accuracy: Positioned to address or location	A8SE (S)	830	8	530867 189172
236	**Points of Interest - Manufacturing and Production** Name: Tanks Location: N8 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	905	8	531064 189165
236	**Points of Interest - Manufacturing and Production** Name: Tank Location: N8 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A9SW (SE)	912	8	531067 189158
236	**Points of Interest - Manufacturing and Production** Name: Tank Location: N8 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A9SW (SE)	912	8	531073 189161
237	**Points of Interest - Manufacturing and Production** Name: Siringul Business Centre Location: 349C High Road, London, N22 8JA Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A23SE (N)	914	8	530832 191118
238	**Points of Interest - Manufacturing and Production** Name: Tank Location: N10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A11NE (W)	935	8	529582 190175
238	**Points of Interest - Manufacturing and Production** Name: Tank Location: N10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A11NE (W)	943	8	529574 190169
238	**Points of Interest - Manufacturing and Production** Name: Tank Location: N10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A11NE (W)	949	8	529568 190162
238	**Points of Interest - Manufacturing and Production** Name: Tanks Location: N10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A11NE (W)	949	8	529568 190166
238	**Points of Interest - Manufacturing and Production** Name: Tank Location: N10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A11NE (W)	956	8	529561 190158

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
239	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A19NE (NE)	942	8	531364 190916
239	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A19NE (NE)	953	8	531387 190912
240	**Points of Interest - Manufacturing and Production** Name: Core Communications Ltd Location: 186 North View Road, London, N8 7NB Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A7NW (SW)	958	8	529863 189434
241	**Points of Interest - Public Infrastructure** Name: P H S Maxitech Location: Unit A/10 The Business Centre 5, Clarendon Road, London, N22 6XJ Category: Infrastructure and Facilities Class Code: Recycling Centres Positional Accuracy: Positioned to address or location	A13NE (SE)	0	8	530674 190095
242	**Points of Interest - Public Infrastructure** Name: Downham Petroleum Co Ltd Location: 76-84 Mayes Road, London, N22 6TE Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13NE (E)	151	8	530942 190102
243	**Points of Interest - Public Infrastructure** Name: Sluice Location: N8 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	185	8	530506 189872
243	**Points of Interest - Public Infrastructure** Name: Sluice Location: N8 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	204	8	530527 189820
243	**Points of Interest - Public Infrastructure** Name: Sluice Location: N8 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	244	8	530517 189777
244	**Points of Interest - Public Infrastructure** Name: Sluice Location: N8 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13SW (S)	229	8	530556 189771
245	**Points of Interest - Public Infrastructure** Name: Arriva Plc Location: Wood Green Garage, High Road, London, N22 8HF Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to address or location	A18SE (NE)	275	8	530877 190442
245	**Points of Interest - Public Infrastructure** Name: Arriva London Location: 16 Watsons Road, London, N22 7TZ Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to address or location	A18SE (NE)	288	8	530836 190477
245	**Points of Interest - Public Infrastructure** Name: Arriva London Location: 16 Watsons Road, London, N22 7TZ Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to address or location	A18SE (NE)	288	8	530836 190477

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
245	**Points of Interest - Public Infrastructure** Name: Arriva Plc Location: 16 Watsons Road, London, N22 7TZ Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to address or location	A18SE (NE)	288	8	530836 190477
245	**Points of Interest - Public Infrastructure** Name: Arriva London Location: 16 Watsons Road, London, N22 7TZ Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to address or location	A18SE (NE)	288	8	530836 190477
246	**Points of Interest - Public Infrastructure** Name: Alexandra Palace Rail Station Location: Station Road, N22 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A17SE (NW)	345	8	530316 190477
246	**Points of Interest - Public Infrastructure** Name: Alexandra Palace Station Location: Station Road, N22 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A17SE (NW)	345	8	530316 190477
247	**Points of Interest - Public Infrastructure** Name: Sluice Location: N8 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	424	8	530719 189555
248	**Points of Interest - Public Infrastructure** Name: Mortuary Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	559	8	530453 189456
249	**Points of Interest - Public Infrastructure** Name: Textile Recycling for Aid & International Developm Location: 51-53 High Road, London, N22 6BH Category: Infrastructure and Facilities Class Code: Recycling Centres Positional Accuracy: Positioned to address or location	A14SE (SE)	586	8	531337 189812
250	**Points of Interest - Public Infrastructure** Name: Fishmongers Arms Front Counter Location: Fishmongers Arms, 287, High Road, Wood Green, N22 8HU Category: Central and Local Government Class Code: Police Stations Positional Accuracy: Positioned to address or location	A18NE (N)	611	8	530848 190809
251	**Points of Interest - Public Infrastructure** Name: Graveyard Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	709	8	530661 189266
251	**Points of Interest - Public Infrastructure** Name: Grave Yard Location: N8 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	709	8	530661 189266
252	**Points of Interest - Public Infrastructure** Name: Andersons Rubbish Clearance Location: 132 Lymington Avenue, London, N22 6JG Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A14NE (E)	799	8	531593 190225
252	**Points of Interest - Public Infrastructure** Name: Andersons Rubbish Clearance Location: 132 Lymington Avenue, London, N22 6JG Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A14NE (E)	799	8	531593 190225

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
253	**Points of Interest - Public Infrastructure** Name: Hornsey Rail Station Location: Tottenham Lane, N8 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A8SE (S)	813	8	530907 189201
253	**Points of Interest - Public Infrastructure** Name: Hornsey Station Location: Tottenham Lane, N8 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A8SE (S)	813	8	530907 189201
254	**Points of Interest - Public Infrastructure** Name: Wood Green Police Station Location: 347 High Road, London, N22 4HZ Category: Central and Local Government Class Code: Police Stations Positional Accuracy: Positioned to address or location	A18NE (N)	845	8	530836 191048
255	**Points of Interest - Public Infrastructure** Name: Bus Station Location: N15 Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to address or location	A9NE (SE)	863	8	531555 189627
256	**Points of Interest - Public Infrastructure** Name: Linvick Ltd Location: 278b Wightman Road, London, Greater London, N8 0LX Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A9SW (SE)	865	8	531159 189252
257	**Points of Interest - Public Infrastructure** Name: Star Lordship Lane Location: 573-575 Lordship Lane, London, N22 5LE Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A19SE (NE)	866	8	531543 190603
258	**Points of Interest - Public Infrastructure** Name: Hornsey Police Station Location: Hornsey Police Station 98, Tottenham Lane, London, N8 7EJ Category: Central and Local Government Class Code: Police Stations Positional Accuracy: Positioned to address or location	A3NW (S)	960	8	530642 189015
258	**Points of Interest - Public Infrastructure** Name: Metropolitan Police Service Hornsey Location: Hornsey Police Station 98, Tottenham Lane, London, N8 7EJ Category: Central and Local Government Class Code: Police Stations Positional Accuracy: Positioned to address or location	A3NW (S)	960	8	530642 189015
259	**Points of Interest - Public Infrastructure** Name: junkanddisorderly.com Location: 4 Frobisher Road, London, N8 0QS Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A9SW (SE)	996	8	531244 189148
260	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13NW (NW)	127	8	530509 190332
260	**Points of Interest - Recreational and Environmental** Name: Playground Location: Station Road, N22 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13NW (NW)	137	8	530485 190332
261	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	330	8	531124 190003

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
261	**Points of Interest - Recreational and Environmental** Name: Playground Location: Alexandra Road, N22 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A14SW (E)	330	8	531124 190002
262	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	342	8	530372 189790
262	**Points of Interest - Recreational and Environmental** Name: Playground Location: Newland Road, N8 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	349	8	530365 189789
263	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	462	8	530369 189616
263	**Points of Interest - Recreational and Environmental** Name: Playground Location: Campsbourne Road, N8 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	462	8	530369 189616
264	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	643	8	530743 189337
264	**Points of Interest - Recreational and Environmental** Name: Playground Location: High Street, N8 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	643	8	530743 189337
265	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8SE (SE)	655	8	530982 189402
266	**Points of Interest - Recreational and Environmental** Name: Playgrounds Location: Commerce Road, N22 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A18NE (N)	754	8	530681 190966
266	**Points of Interest - Recreational and Environmental** Name: Playgrounds Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	757	8	530679 190969
267	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A7SE (SW)	815	8	530236 189279
267	**Points of Interest - Recreational and Environmental** Name: Playground Location: High Street, N8 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A7SE (SW)	816	8	530236 189278

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
268	**Points of Interest - Recreational and Environmental** Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A23SW (N)	926	8	530540 191139
268	**Points of Interest - Recreational and Environmental** Name: Play Area Location: Truro Road, N22 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A23SW (N)	927	8	530539 191140
269	**Points of Interest - Recreational and Environmental** Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A17NW (NW)	950	8	529955 190963
270	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	965	8	531551 189437
270	**Points of Interest - Recreational and Environmental** Name: Playground Location: Green Lanes, N8 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	965	8	531551 189437
271	**Points of Interest - Recreational and Environmental** Name: Playground Location: The Avenue, N10 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A11NE (W)	994	8	529523 190179

Sensitive Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
272	**Local Nature Reserves** Name: Alexandra Palace & Park Multiple Area: N Area (m2): 626610.74 Source: Natural England Designation Date: 23rd April 2014	A13NW (W)	162	9	530347 190132
273	**Nitrate Vulnerable Zones** Name: Not Supplied Description: Surface Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A13NE (N)	95	10	530700 190306

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
London Borough of Hackney - Environmental Health Department	April 2015	Annual Rolling Update
London Borough of Islington - Public Protection	August 2013	Annual Rolling Update
London Borough of Barnet - Environmental Health Department	January 2015	Annual Rolling Update
London Borough of Camden - Pollution Projects Team	March 2013	Annual Rolling Update
London Borough of Waltham Forest - Environmental Health Department	October 2013	Annual Rolling Update
London Borough of Haringey - Planning and Environmental Health	October 2014	Annual Rolling Update
London Borough of Enfield - Environmental Services	September 2014	Annual Rolling Update
Discharge Consents		
Environment Agency - Thames Region	April 2016	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - Thames Region	March 2013	As notified
Integrated Pollution Controls		
Environment Agency - Thames Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control		
Environment Agency - Thames Region	April 2016	Quarterly
Local Authority Integrated Pollution Prevention And Control		
London Borough of Barnet - Environmental Health Department	April 2013	Annual Rolling Update
London Borough of Enfield - Environmental Health Department	January 2015	Annual Rolling Update
London Borough of Islington - Environmental Health Department	January 2015	Annual Rolling Update
London Borough of Haringey - Planning and Environmental Health	June 2014	Annual Rolling Update
London Borough of Hackney - Environmental Health Department	March 2015	Annual Rolling Update
London Borough of Camden - Pollution Projects Team	October 2014	Annual Rolling Update
London Borough of Waltham Forest - Environmental Health Department	September 2014	Annual Rolling Update
Local Authority Pollution Prevention and Controls		
London Borough of Barnet - Environmental Health Department	December 2014	Annual Rolling Update
London Borough of Enfield - Environmental Health Department	January 2015	Annual Rolling Update
London Borough of Islington - Environmental Health Department	January 2015	Annual Rolling Update
London Borough of Haringey - Planning and Environmental Health	June 2014	Annual Rolling Update
London Borough of Hackney - Environmental Health Department	March 2015	Annual Rolling Update
London Borough of Camden - Pollution Projects Team	October 2014	Annual Rolling Update
London Borough of Waltham Forest - Environmental Health Department	September 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
London Borough of Barnet - Environmental Health Department	December 2014	Annual Rolling Update
London Borough of Enfield - Environmental Health Department	January 2015	Annual Rolling Update
London Borough of Islington - Environmental Health Department	January 2015	Annual Rolling Update
London Borough of Haringey - Planning and Environmental Health	June 2014	Annual Rolling Update
London Borough of Hackney - Environmental Health Department	March 2015	Annual Rolling Update
London Borough of Camden - Pollution Projects Team	October 2014	Annual Rolling Update
London Borough of Waltham Forest - Environmental Health Department	September 2014	Annual Rolling Update
Nearest Surface Water Feature		
Ordnance Survey	July 2012	Quarterly
Pollution Incidents to Controlled Waters		
Environment Agency - Thames Region	September 1999	Not Applicable
Prosecutions Relating to Authorised Processes		
Environment Agency - Thames Region	March 2013	As notified
Prosecutions Relating to Controlled Waters		
Environment Agency - Thames Region	March 2013	As notified
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	July 2012	Annually

Data Currency

Agency & Hydrological	Version	Update Cycle
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - Thames Region - North East Area	April 2016	Quarterly
Water Abstractions Environment Agency - Thames Region	January 2016	Quarterly
Water Industry Act Referrals Environment Agency - Thames Region	April 2016	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	April 2015	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations British Geological Survey - National Geoscience Information Service	August 2015	As notified
Superficial Aquifer Designations British Geological Survey - National Geoscience Information Service	August 2015	As notified
Source Protection Zones Environment Agency - Head Office	April 2016	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2016	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2016	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2016	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	February 2016	Quarterly
Flood Defences Environment Agency - Head Office	February 2016	Quarterly
Detailed River Network Lines Environment Agency - Head Office	March 2012	Annually
Detailed River Network Offline Drainage Environment Agency - Head Office	March 2012	Annually
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water Suitability Environment Agency - Head Office	October 2013	As notified
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually

Data Currency

Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Integrated Pollution Control Registered Waste Sites		
Environment Agency - Thames Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - Thames Region - North East Area	May 2016	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - Thames Region - North East Area	April 2016	Quarterly
Local Authority Landfill Coverage		
London Borough of Barnet	May 2000	Not Applicable
London Borough of Camden	May 2000	Not Applicable
London Borough of Enfield - Environmental Health Department	May 2000	Not Applicable
London Borough of Hackney	May 2000	Not Applicable
London Borough of Haringey - Planning Department	May 2000	Not Applicable
London Borough of Islington - Environmental Health Department	May 2000	Not Applicable
London Borough of Waltham Forest - Environmental Health Department	May 2000	Not Applicable
Local Authority Recorded Landfill Sites		
London Borough of Enfield - Environmental Health Department	February 2003	Not Applicable
London Borough of Barnet	May 2000	Not Applicable
London Borough of Camden	May 2000	Not Applicable
London Borough of Hackney	May 2000	Not Applicable
London Borough of Haringey - Planning Department	May 2000	Not Applicable
London Borough of Islington - Environmental Health Department	May 2000	Not Applicable
London Borough of Waltham Forest - Environmental Health Department	May 2000	Not Applicable
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Registered Landfill Sites		
Environment Agency - Thames Region - North East Area	March 2003	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - Thames Region - North East Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites		
Environment Agency - Thames Region - North East Area	June 2015	Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	February 2016	Bi-Annually
Explosive Sites		
Health and Safety Executive	February 2016	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements		
London Borough of Barnet	February 2016	Annual Rolling Update
London Borough of Camden	February 2016	Annual Rolling Update
London Borough of Enfield - Planning Department	February 2016	Annual Rolling Update
London Borough of Hackney	February 2016	Annual Rolling Update
London Borough of Haringey	February 2016	Annual Rolling Update
London Borough of Waltham Forest - Environmental Services	February 2016	Annual Rolling Update
London Borough of Islington	October 2015	Annual Rolling Update
Planning Hazardous Substance Consents		
London Borough of Barnet	February 2016	Annual Rolling Update
London Borough of Camden	February 2016	Annual Rolling Update
London Borough of Enfield - Planning Department	February 2016	Annual Rolling Update
London Borough of Hackney	February 2016	Annual Rolling Update
London Borough of Haringey	February 2016	Annual Rolling Update
London Borough of Waltham Forest - Environmental Services	February 2016	Annual Rolling Update
London Borough of Islington	October 2015	Annual Rolling Update

Data Currency

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	October 2015	Annually
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2016	Bi-Annually
BGS Urban Soil Chemistry British Geological Survey - National Geoscience Information Service	October 2015	Annually
BGS Urban Soil Chemistry Averages British Geological Survey - National Geoscience Information Service	October 2015	Annually
Brine Compensation Area Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	As notified

Data Currency

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	April 2016	Quarterly
Fuel Station Entries Catalist Ltd - Experian	February 2016	Quarterly
Gas Pipelines National Grid	July 2014	Quarterly
Points of Interest - Commercial Services PointX	June 2016	Quarterly
Points of Interest - Education and Health PointX	June 2016	Quarterly
Points of Interest - Manufacturing and Production PointX	June 2016	Quarterly
Points of Interest - Public Infrastructure PointX	June 2016	Quarterly
Points of Interest - Recreational and Environmental PointX	June 2016	Quarterly
Underground Electrical Cables National Grid	January 2016	Bi-Annually

Data Currency

Sensitive Land Use	Version	Update Cycle
Ancient Woodland		
Natural England	June 2015	Bi-Annually
Areas of Adopted Green Belt		
London Borough of Barnet	May 2016	As notified
London Borough of Enfield	May 2016	As notified
London Borough of Haringey	May 2016	As notified
London Borough of Waltham Forest	May 2016	As notified
Areas of Unadopted Green Belt		
London Borough of Barnet	November 201	As notified
London Borough of Enfield	November 201	As notified
London Borough of Haringey	November 201	As notified
London Borough of Waltham Forest	November 201	As notified
Areas of Outstanding Natural Beauty		
Natural England	April 2016	Bi-Annually
Environmentally Sensitive Areas		
Natural England	April 2016	Annually
Forest Parks		
Forestry Commission	April 1997	Not Applicable
Local Nature Reserves		
Natural England	April 2016	Bi-Annually
Marine Nature Reserves		
Natural England	April 2016	Bi-Annually
National Nature Reserves		
Natural England	April 2016	Bi-Annually
National Parks		
Natural England	March 2016	Bi-Annually
Nitrate Sensitive Areas		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	April 2016	Not Applicable
Nitrate Vulnerable Zones		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	Annually
Ramsar Sites		
Natural England	April 2016	Bi-Annually
Sites of Special Scientific Interest		
Natural England	April 2016	Bi-Annually
Special Areas of Conservation		
Natural England	April 2016	Bi-Annually
Special Protection Areas		
Natural England	April 2016	Bi-Annually
World Heritage Sites		
English Heritage - National Monument Record Centre	September 2015	Bi-Annually

Data Suppliers

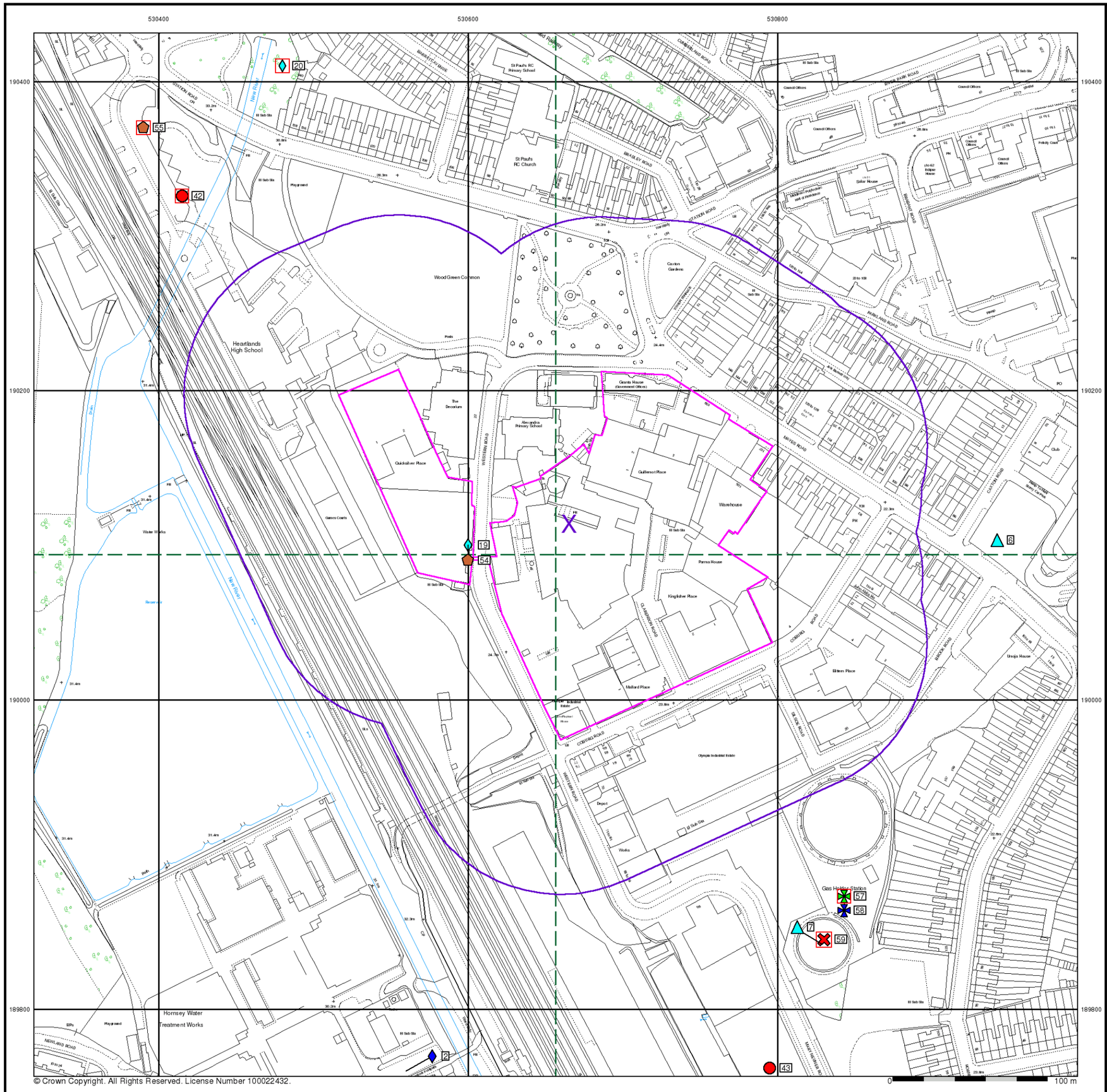
A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Useful Contacts

Contact	Name and Address	Contact Details
2	**British Geological Survey - Enquiry Service** British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
3	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
4	**London Borough of Haringey - Planning and Environmental Health** 639 High Road, Tottenham, London, N17 8BD	Telephone: 0208 489 5183 Fax: 0208 489 5117 Website: www.haringey.gov.uk
5	**London Borough of Haringey - Planning Department** Civic Centre, 639 High Road, Tottenham, London, N17 8BD	Website: www.haringey.gov.uk
6	**Health and Safety Executive** 5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS	Website: www.hse.gov.uk
7	**London Borough of Haringey** Civic Centre, 639 High Road, Tottenham, London, N17 8BD	Telephone: 0208 489 5508 Website: www.haringey.gov.uk
8	**PointX** 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
9	**Natural England** County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
10	**Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)** Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
11	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.



© Crown Copyright. All Rights Reserved. License Number 100022432.

ALBURY S.I. LTD
Geotechnical & Environmental

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location
- Pylon
- Overhead Transmission Line

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

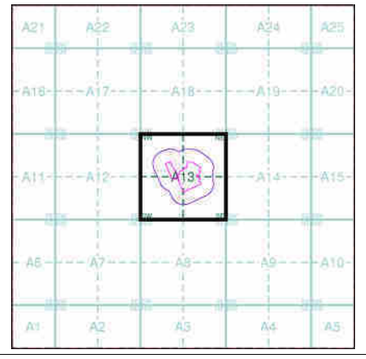
Geological

- BGS Recorded Mineral Site

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Site Sensitivity Map - Segment A13



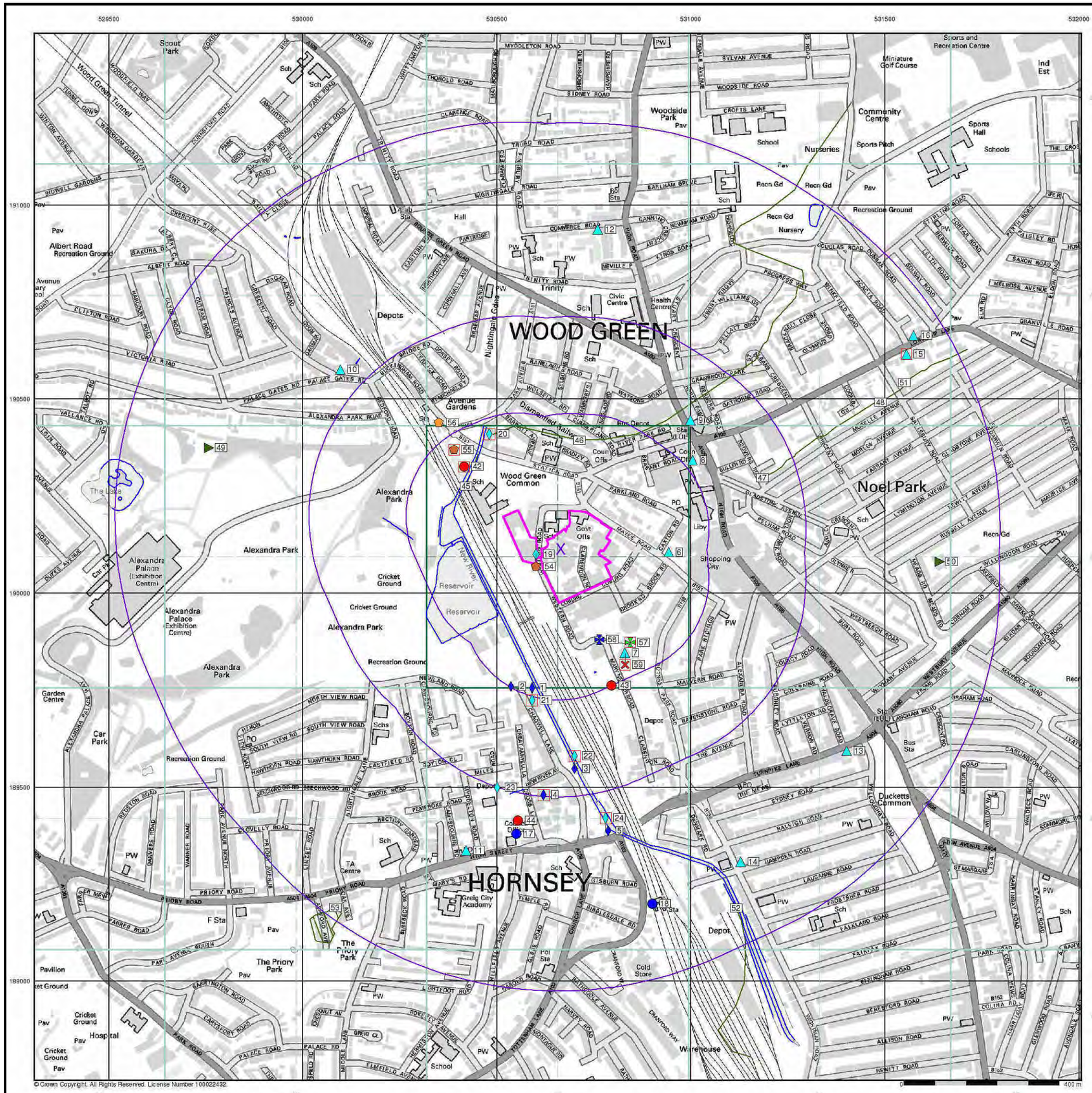
Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Plot Buffer (m):	100

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown Copyright. All Rights Reserved. License Number 100022432.

ALBURY S.I. LTD
Geotechnical & Environmental

General
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

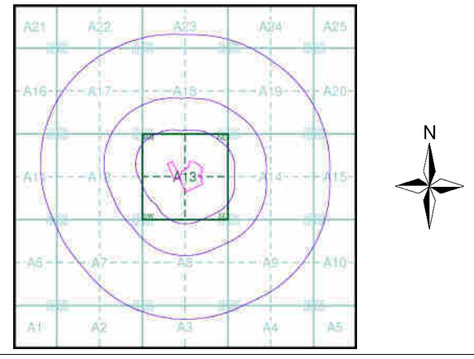
Agency and Hydrological
- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Hazardous Substances
- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Geological
- BGS Recorded Mineral Site

Waste
- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Site Sensitivity Map - Slice A



Order Details

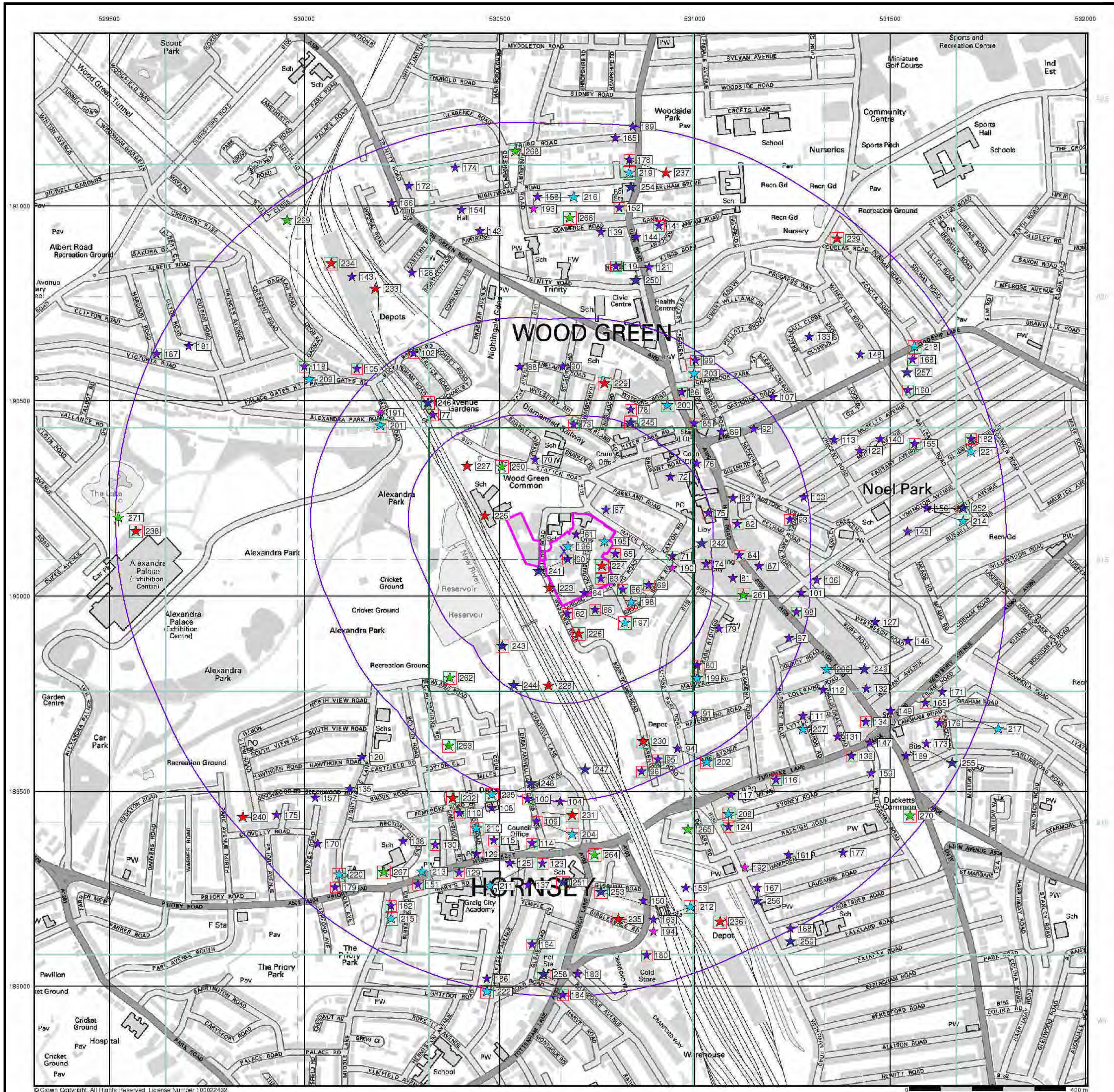
Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	1000

Site Details
The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

ALBURY S.I. LTD
Geotechnical & Environmental

Industrial Land Use Map



© Crown Copyright. All Rights Reserved. License Number 100022432.

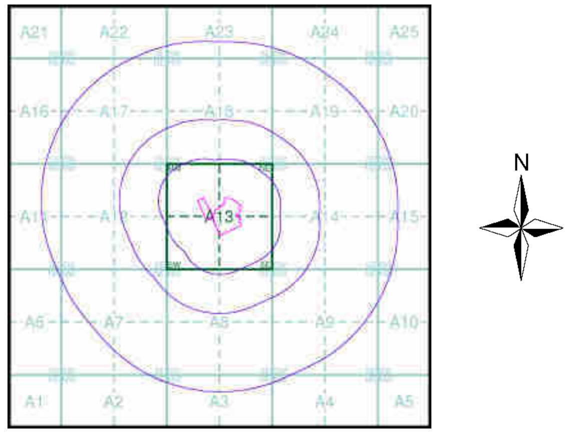
General

Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- Points of Interest - Commercial Services
- Points of Interest - Education and Health
- Points of Interest - Manufacturing and Production
- Points of Interest - Public Infrastructure
- Points of Interest - Recreational and Environmental
- Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	1000

Site Details

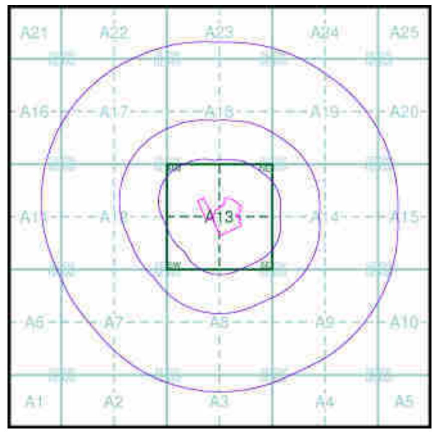
The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown Copyright. All Rights Reserved. License Number 100022432.



ALBURY S.I. LTD
Geotechnical & Environmental

General

- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Flood Map - Slice A

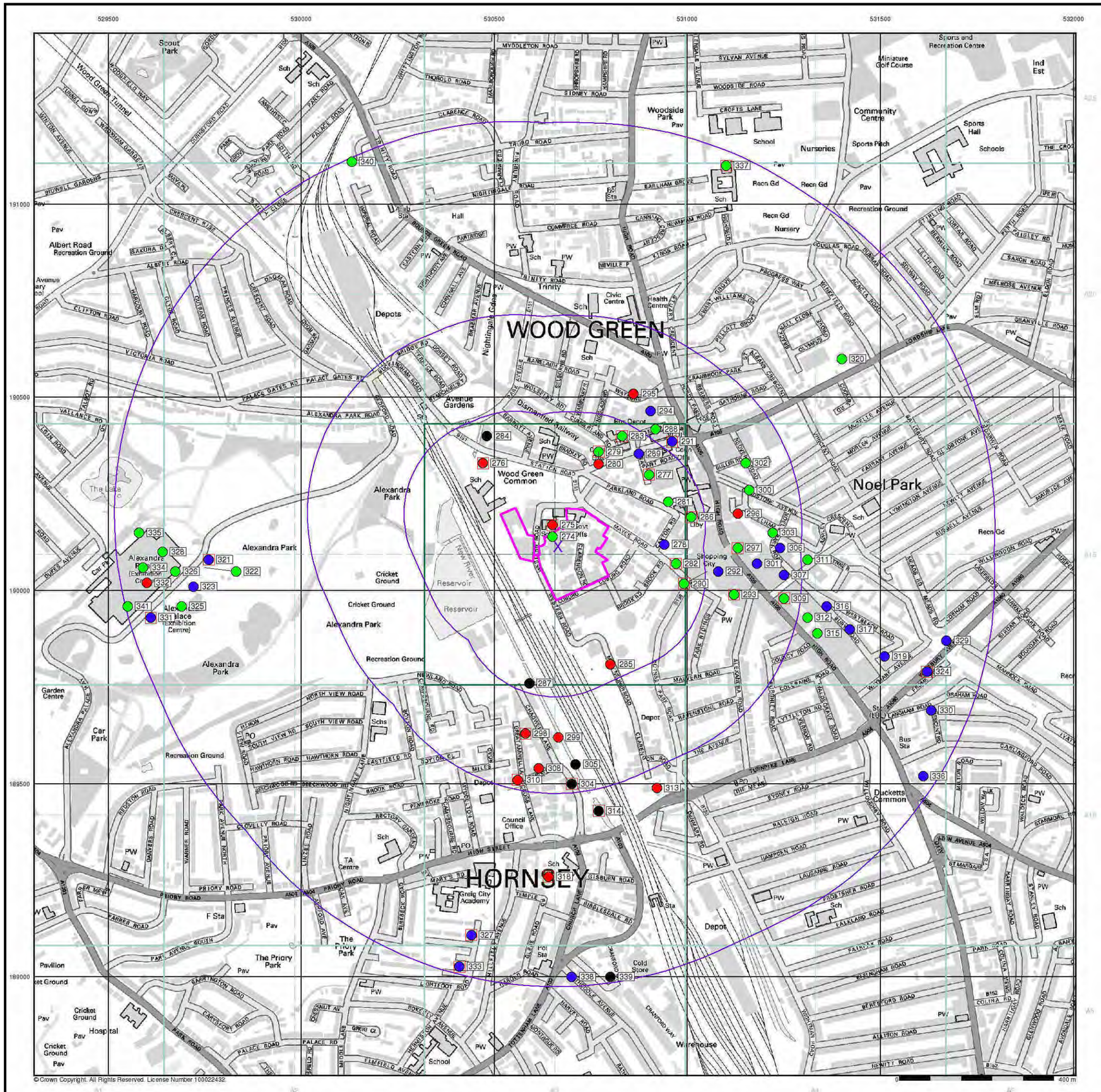
Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	1000

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



ALBURY S.I. LTD
Geotechnical & Environmental

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

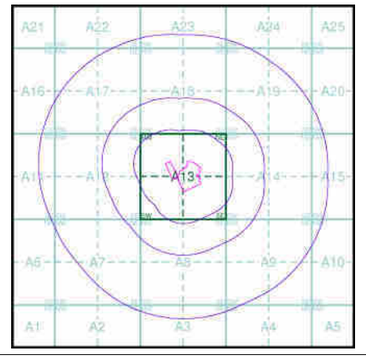
Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice A



Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	1000

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



ALBURY S.I. LTD
Geotechnical & Environmental

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID

Detailed River Network Data

- Primary River
- Secondary River
- Tertiary River
- Canal
- Canal Tunnel
- Undefined River
- Lake/Reservoir
- Offline Drainage Feature
- Extended Culvert (greater than 50m)
- Underground River (inferred)
- Underground River (local knowledge)
- Downstream of High Water Mark
- Downstream of Seaward Extension
- Not assigned River feature

Contours (height in metres)

Standard Contour 105 100 95

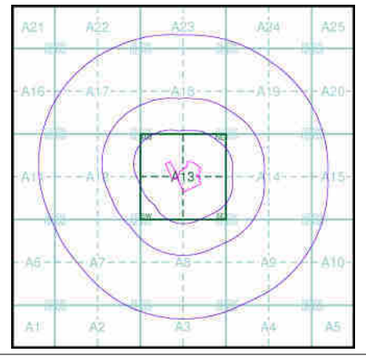
Master Contour

Spot Height *167.3

MLW Mean Low Water

MHW Mean High Water

EA/NRW Detailed River Network Map - Slice A



Order Details

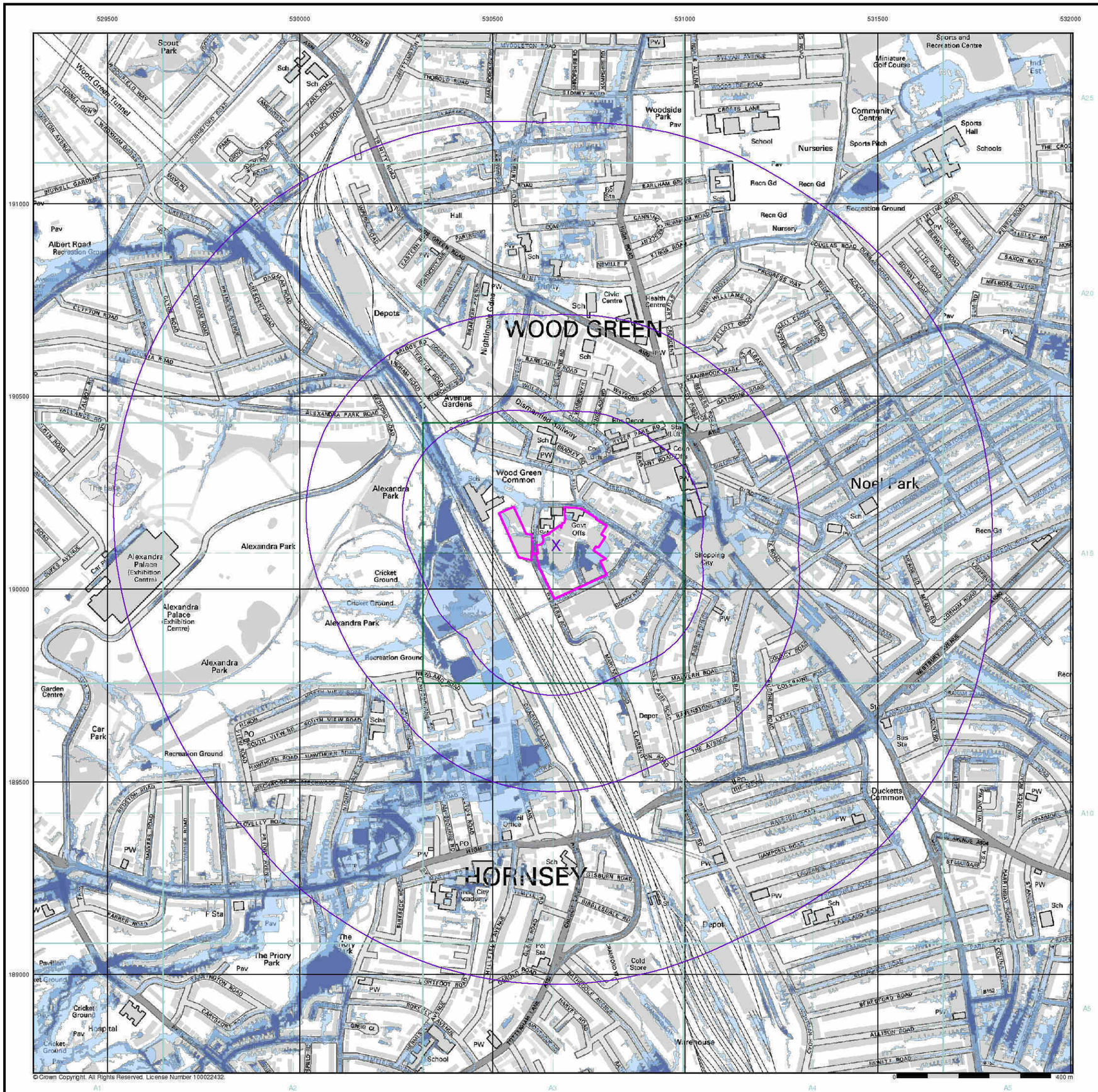
Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	1000

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



ALBURY S.I. LTD
Geotechnical & Environmental

General

- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

Risk of Flooding from Surface Water

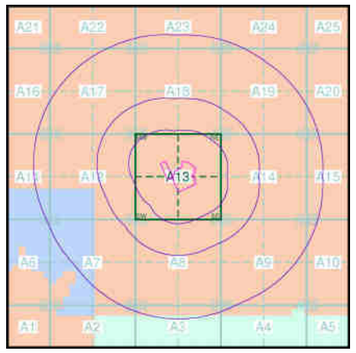
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

- National to county
- County to town
- Town to street
- Street to parcels of land
- Property

EA/NRW Suitability Map - Slice A



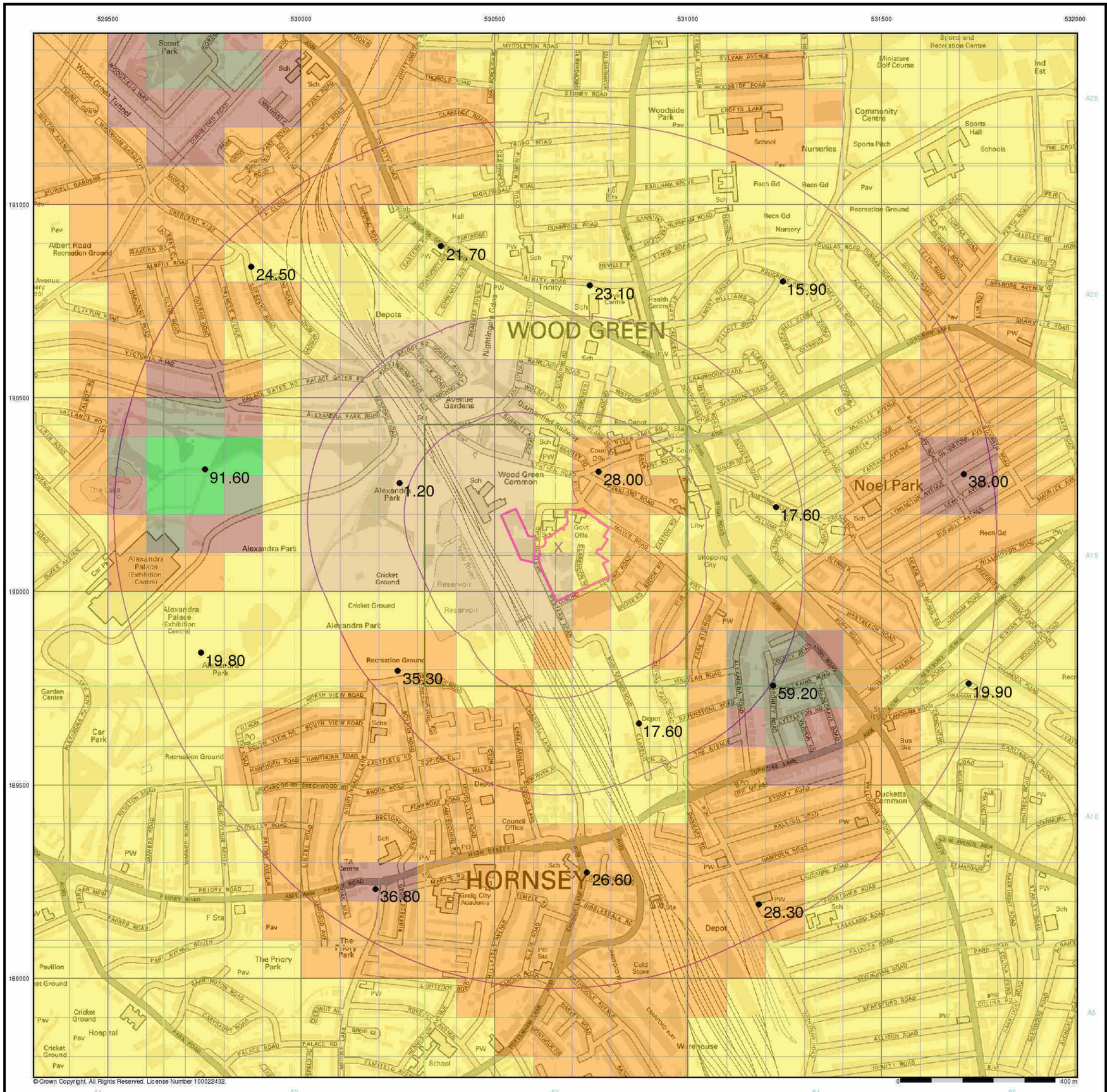
Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	1000

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown Copyright. All Rights Reserved. License Number 100022432.

ALBURY S.I. LTD
Geotechnical & Environmental

General

Specified Site | Specified Buffer(s) | X Bearing Reference Point

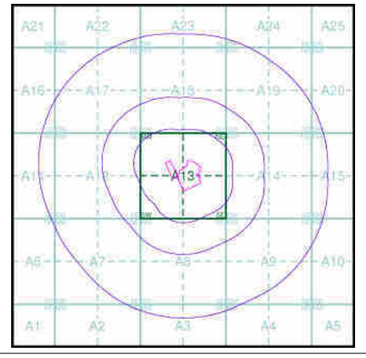
Urban Soil Chemistry Arsenic

● BGS Urban Soil Chemistry Measured Concentration Values (mg/kg)

Arsenic Concentrations mg/kg

< 15
15 - 25
25 - 35
35 - 45
45 - 60
60 - 120
> 120

Urban Soil Chemistry Arsenic - Slice A



Order Details

Order Details:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha)	3.47
Search Buffer (m)	1000

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown Copyright. All Rights Reserved. License Number 100022432.

ALBURY S.I. LTD
Geotechnical & Environmental

General

Specified Site | Specified Buffer(s) | Bearing Reference Point

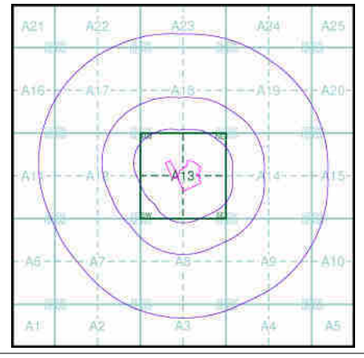
Urban Soil Chemistry Cadmium

BGS Urban Soil Chemistry Measured Concentration Values (mg/kg)

Cadmium Concentrations mg/kg

< 1.8
1.8 - 2.2
2.2 - 3.0
> 3.0

Urban Soil Chemistry Cadmium - Slice A



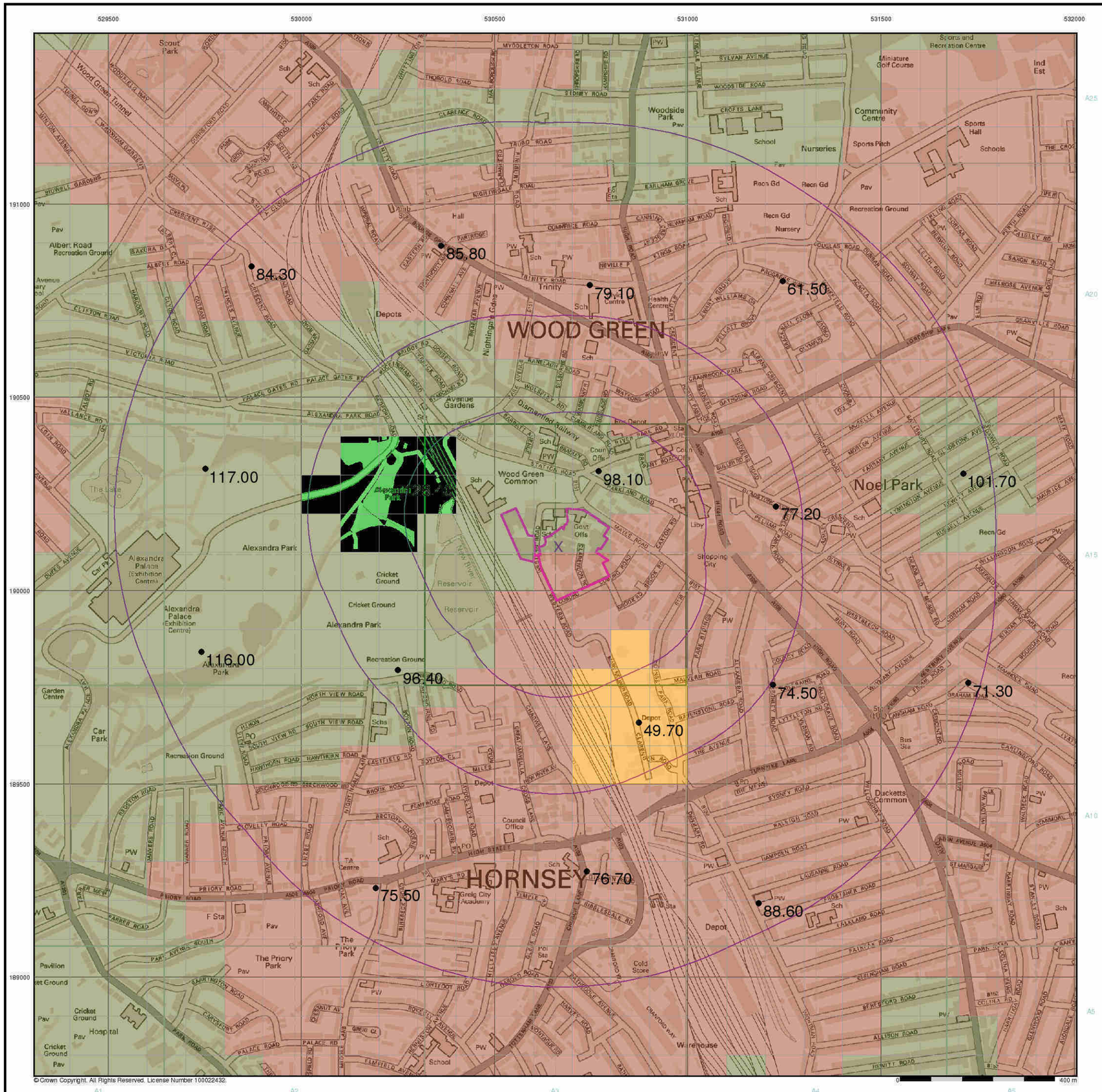
Order Details

Order Details:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha)	3.47
Search Buffer (m)	1000

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



ALBURY S.I. LTD
Geotechnical & Environmental

General

Specified Site | Specified Buffer(s) | X Bearing Reference Point

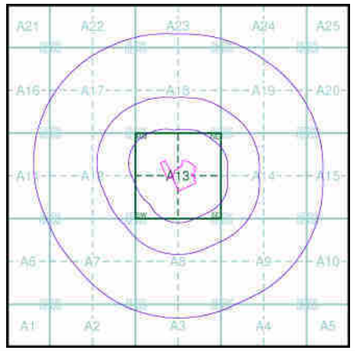
Urban Soil Chemistry Chromium

● BGS Urban Soil Chemistry Measured Concentration Values (mg/kg)

Chromium Concentrations mg/kg

< 20
20 - 40
40 - 60
60 - 90
90 - 120
120 - 180
> 180

Urban Soil Chemistry Chromium - Slice A



Order Details

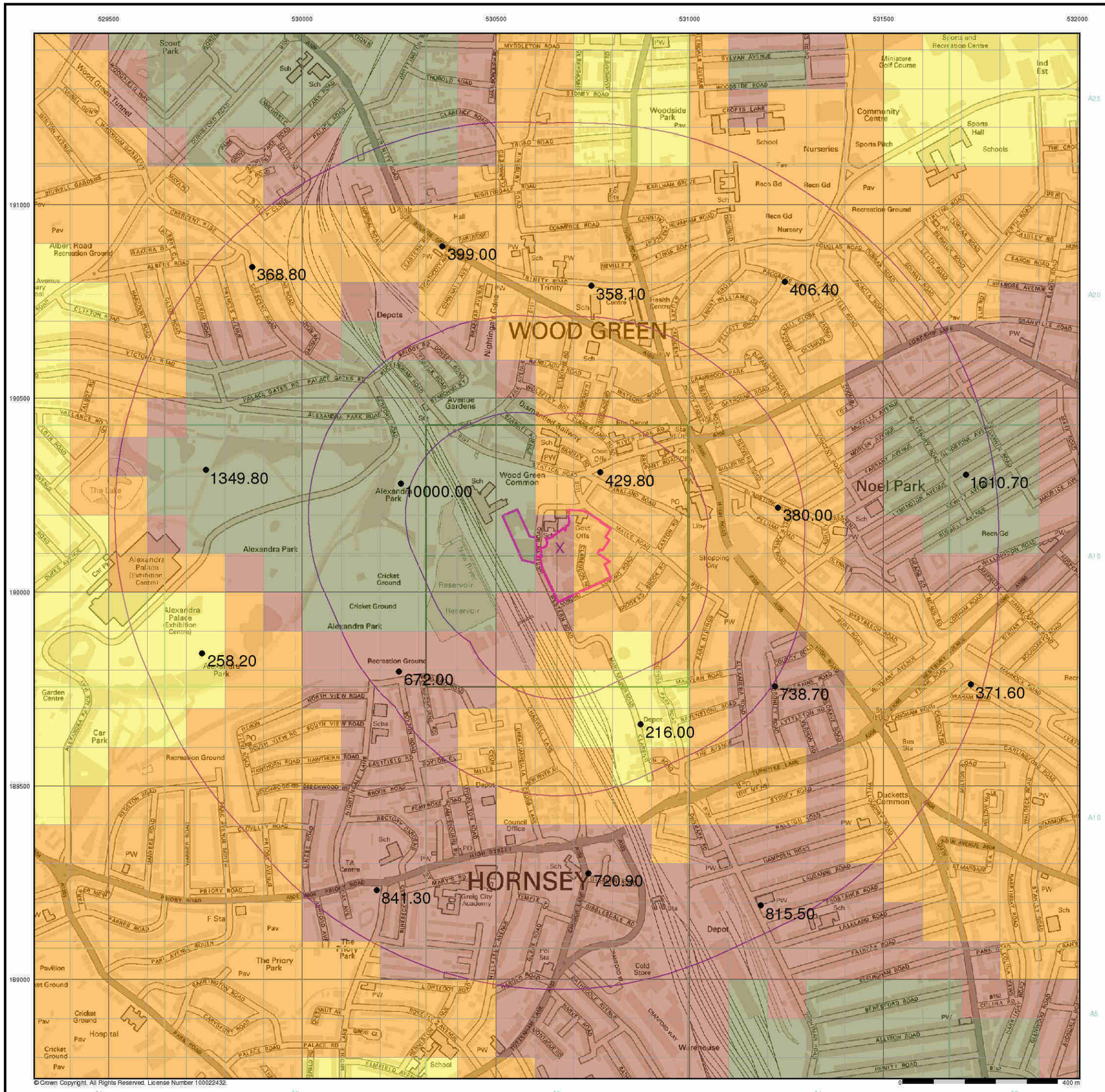
Order Details:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha)	3.47
Search Buffer (m)	1000

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown Copyright. All Rights Reserved. License Number 100022432.

ALBURY S.I. LTD
Geotechnical & Environmental

General

Specified Site | Specified Buffer(s) | X Bearing Reference Point

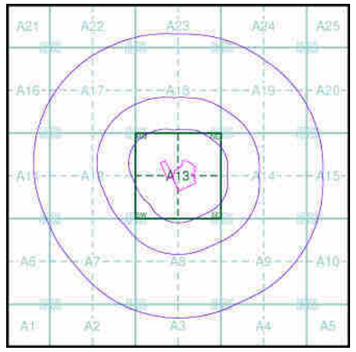
Urban Soil Chemistry Lead

● BGS Urban Soil Chemistry Measured Concentration Values (mg/kg)

Lead Concentrations mg/kg

- < 150
- 150 - 300
- 300 - 600
- 600 - 900
- > 900

Urban Soil Chemistry Lead - Slice A



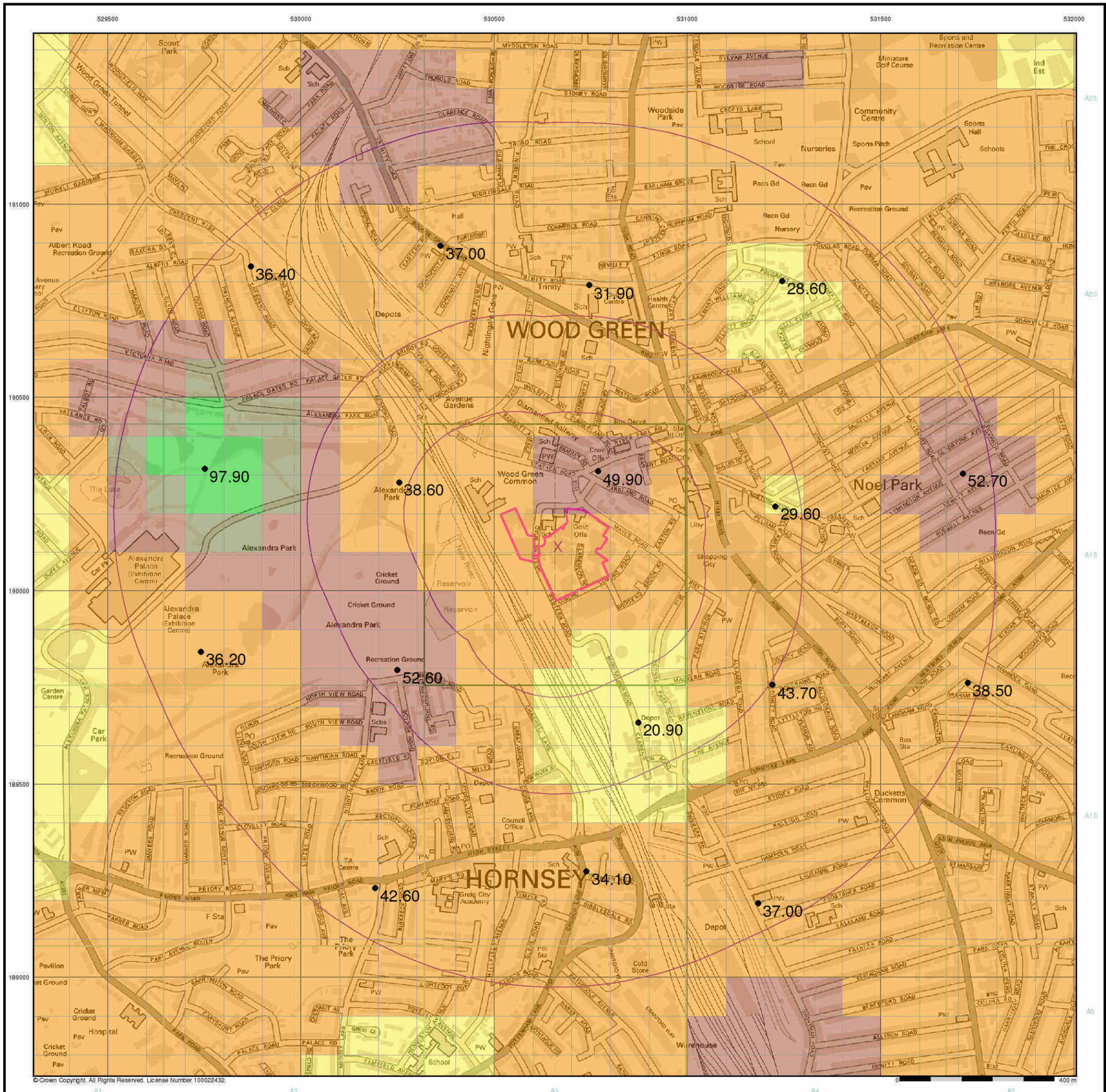
Order Details

Order Details:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha)	3.47
Search Buffer (m)	1000

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



ALBURY S.I. LTD
Geotechnical & Environmental

General

Specified Site | Specified Buffer(s) | X Bearing Reference Point

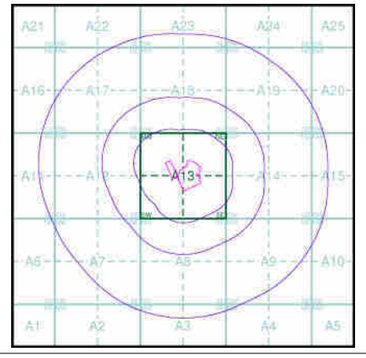
Urban Soil Chemistry Nickel

● BGS Urban Soil Chemistry Measured Concentration Values (mg/kg)

Nickel Concentrations mg/kg

< 15
15 - 30
30 - 45
45 - 60
60 - 80
80 - 100
> 100

Urban Soil Chemistry Nickel - Slice A



Order Details

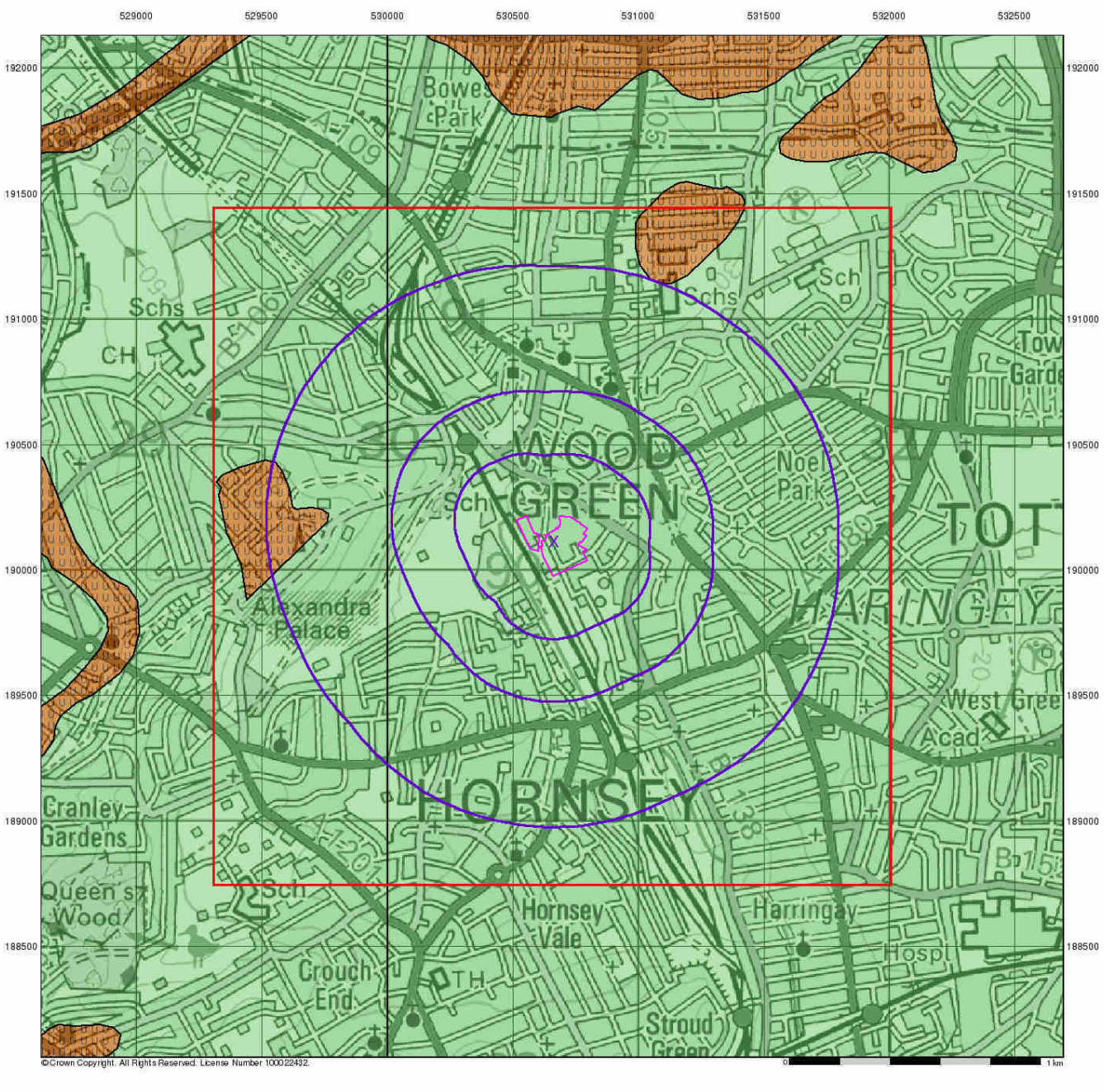
Order Details:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha)	3.47
Search Buffer (m)	1000

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



ALBURY S.I. LTD
Geotechnical & Environmental

Groundwater Vulnerability

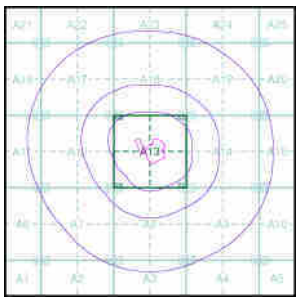
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes	Soil Classes
Major Aquifer (Highly Permeable)	High (H) 1, 2, 3, U
	Intermediate (I) 1, 2
	Low
Minor Aquifer (Variably Permeable)	High (H) 1, 2, 3, U
	Intermediate (I) 1, 2
	Low
Non Aquifer (Negligibly Permeable)	
Water or Sea	
Drift Deposit	

Site Sensitivity Context Map - Slice A



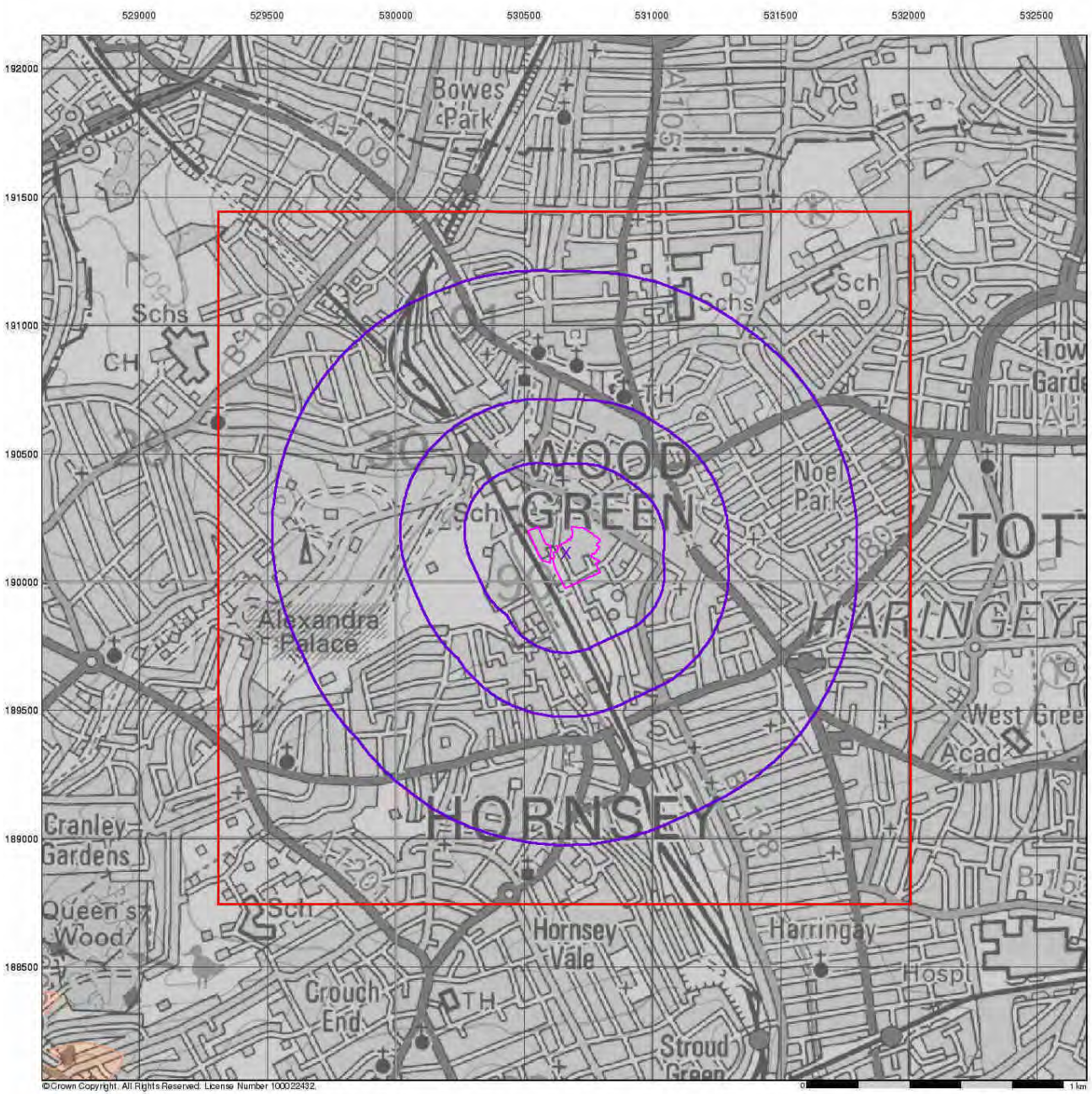
Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	1000

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



ALBURY S.I. LTD
Geotechnical & Environmental

Bedrock Aquifer Designation

General

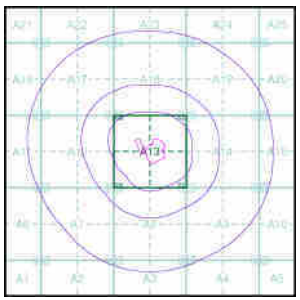
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



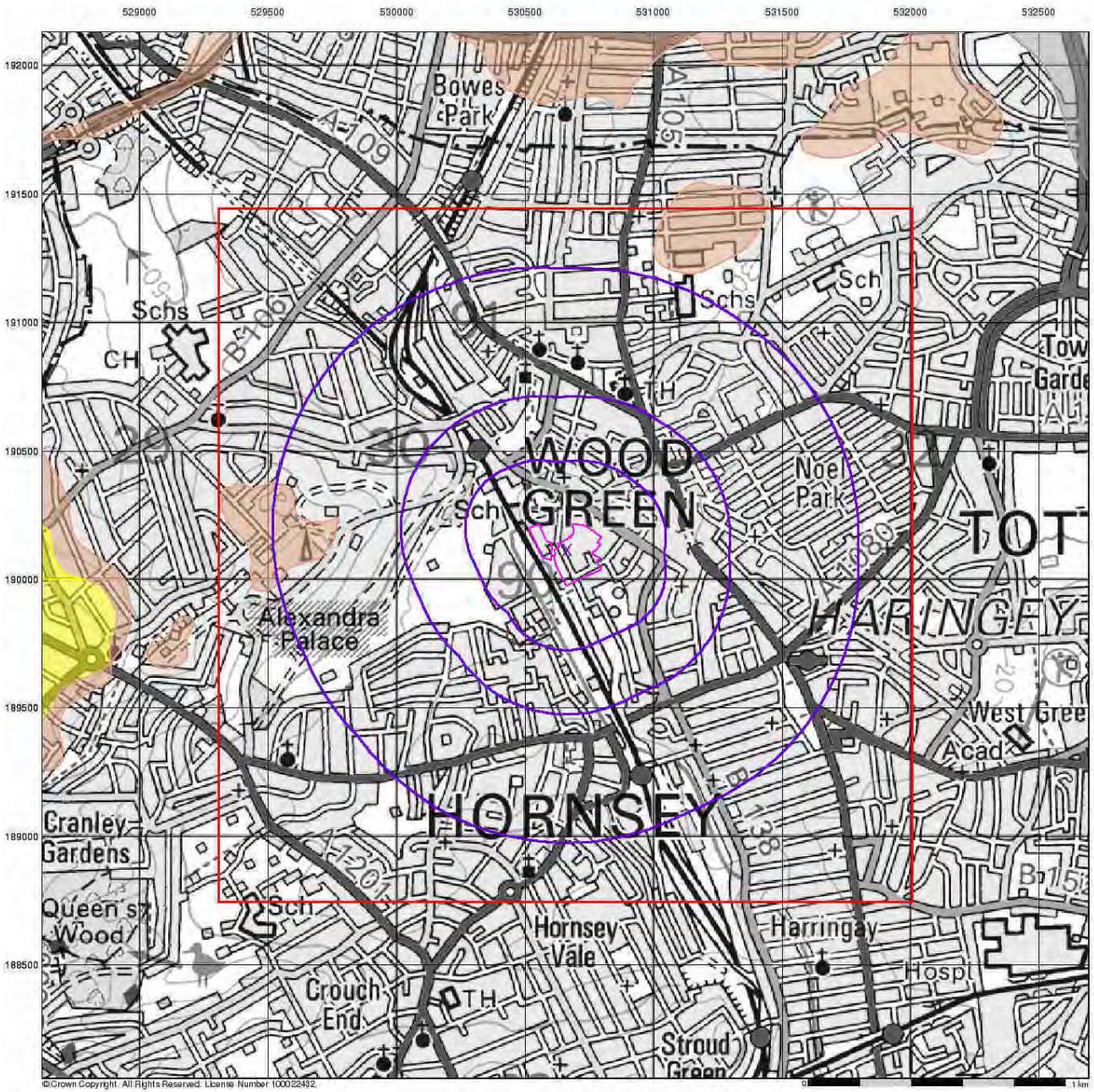
Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	1000

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



ALBURY S.I. LTD
Geotechnical & Environmental

Superficial Aquifer Designation

General

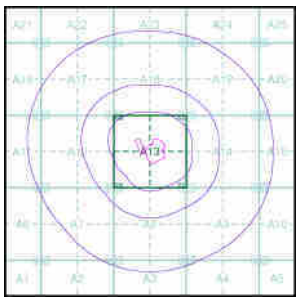
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



N

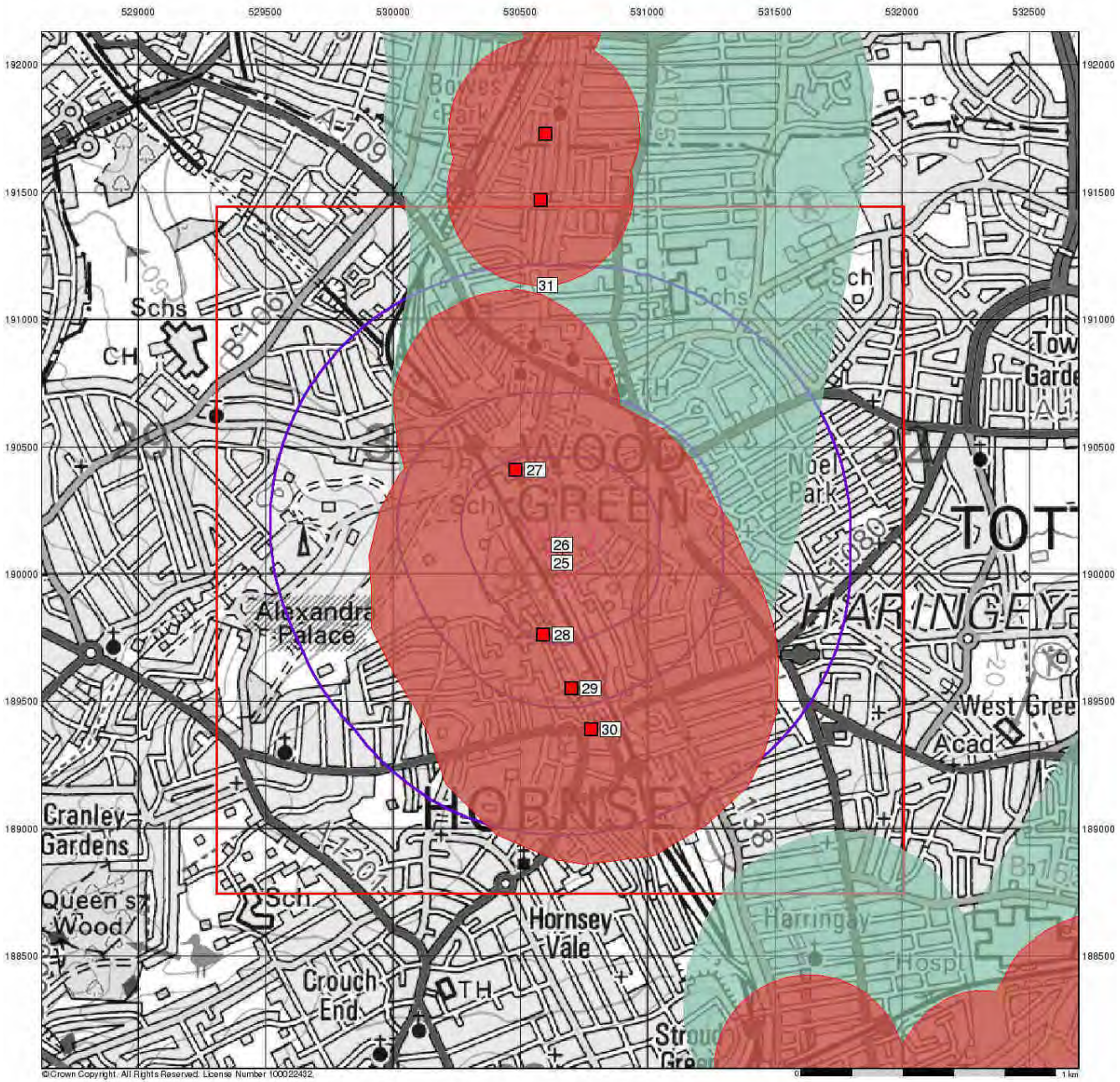
Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	1000

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



ALBURY S.I. LTD
Geotechnical & Environmental

Source Protection Zones

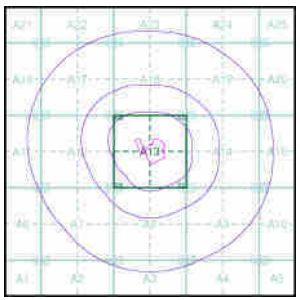
General

Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)
- Source Protection Zone Borehole

Site Sensitivity Context Map - Slice A

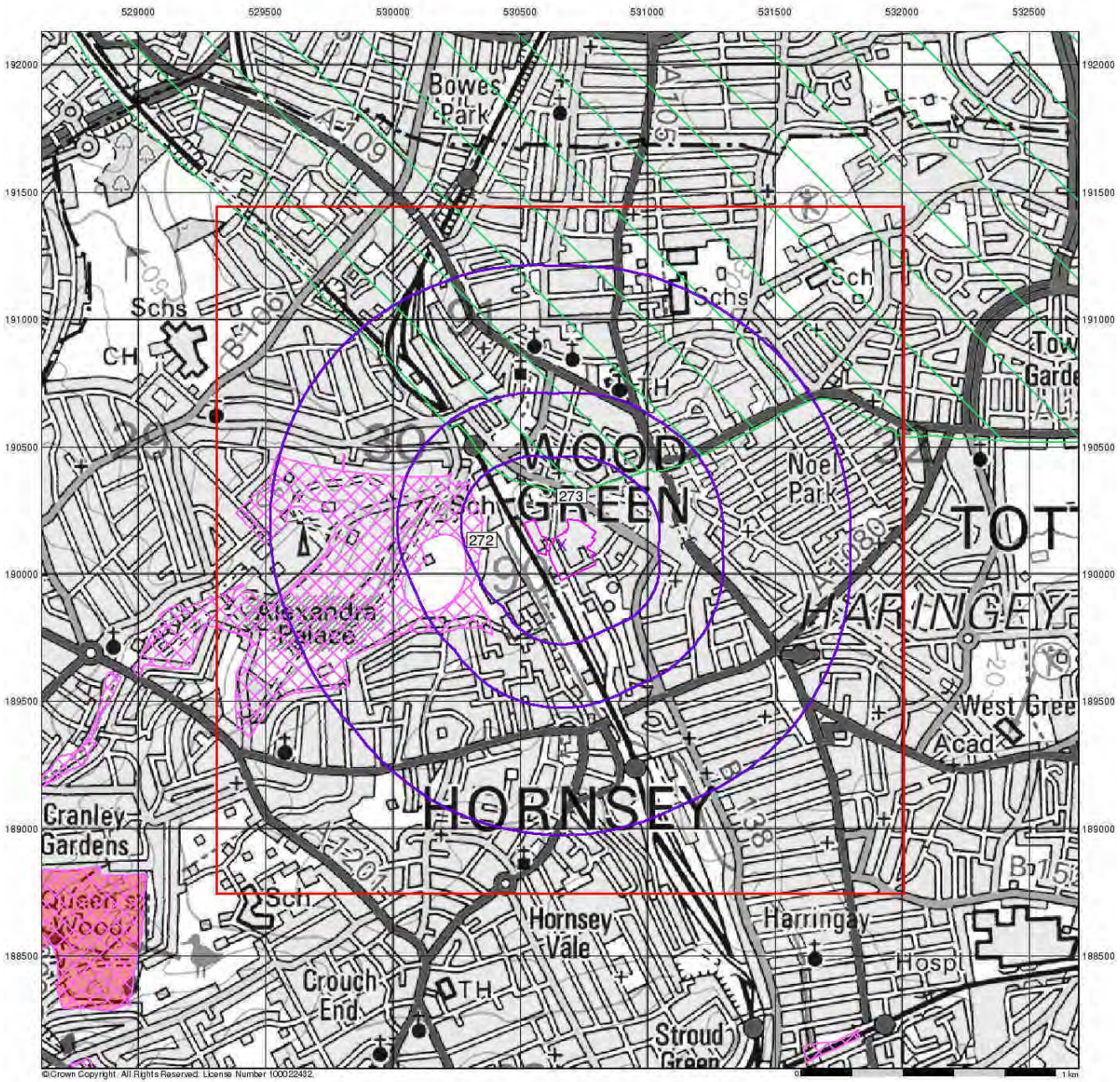


Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	1000

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ



ALBURY S.I. LTD
Geotechnical & Environmental

Sensitive Land Uses

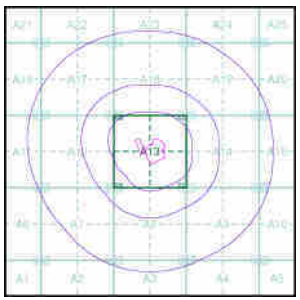
General

Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

Sensitive Land Uses

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

Site Sensitivity Context Map - Slice A



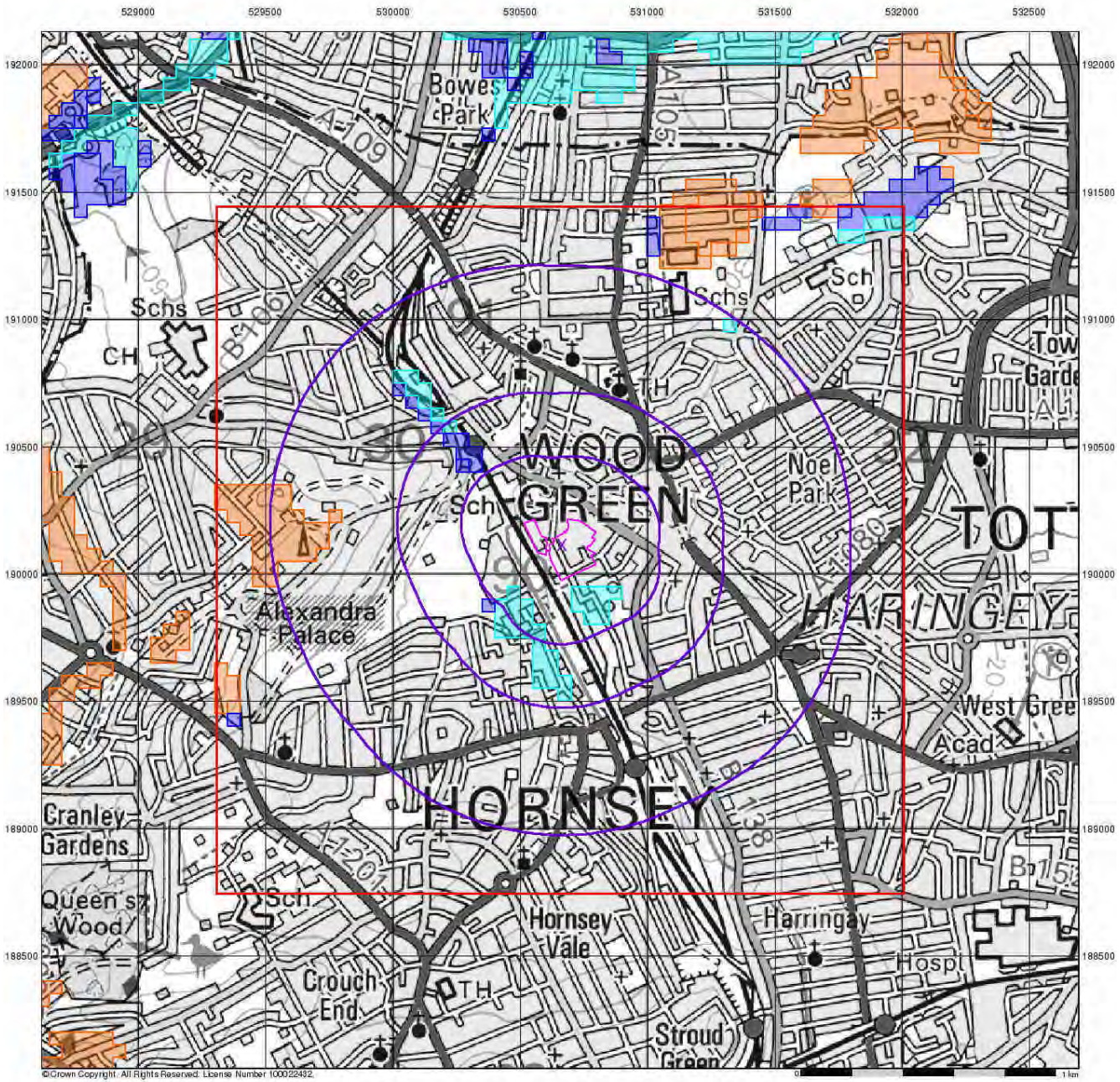
Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	1000

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



ALBURY S.I. LTD
Geotechnical & Environmental

BGS Flood GFS Data

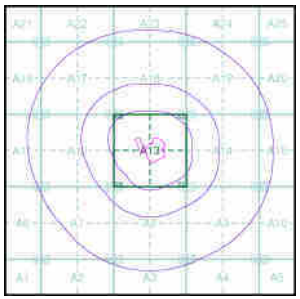
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice

Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice A



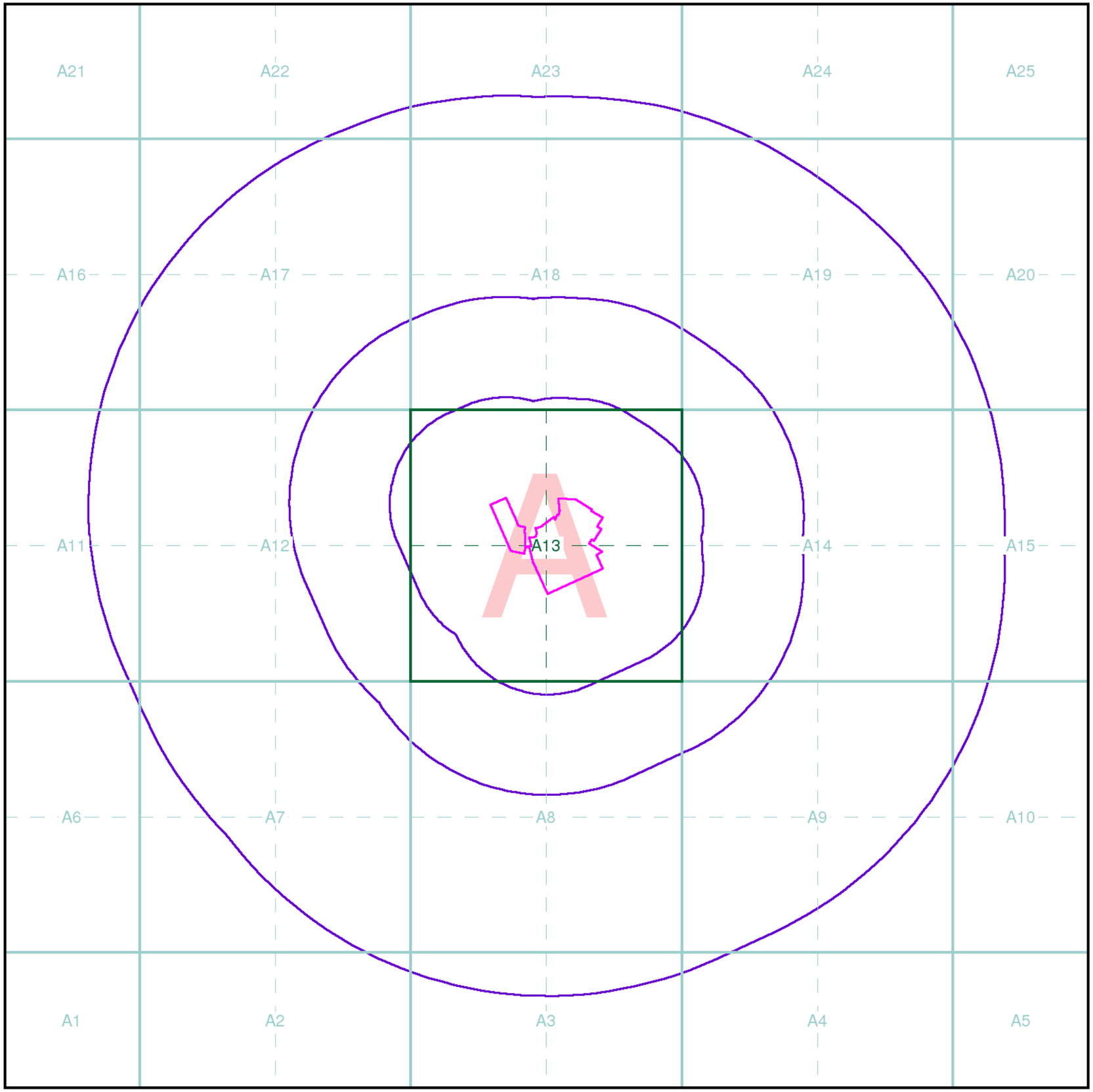
Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	1000

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



ALBURY S.I. LTD
Geotechnical & Environmental

Index Map

For ease of identification, your site and buffer have been split into Slices, Segments and Quadrants. These are illustrated on the Index Map opposite and explained further below.

Slice
Each slice represents a 1:10,000 plot area (2.7km x 2.7km) for your site and buffer. A large site and buffer may be made up of several slices (represented by a red outline), that are referenced by letters of the alphabet, starting from the bottom left corner of the slice "grid". This grid does not relate to National Grid lines but is designed to give best fit over the site and buffer.

Segment
A segment represents a 1:2,500 plot area. Segments that have plot files associated with them are shown in dark green, others in light blue. These are numbered from the bottom left hand corner within each slice.

Quadrant
A quadrant is a quarter of a segment. These are labelled as NW, NE, SW, SE and are referenced in the datasheet to allow features to be quickly located on plots. Therefore a feature that has a quadrant reference of A7NW will be in Slice A, Segment 7 and the NW Quadrant.

A selection of organisations who provide data within this report:

Envirocheck reports are compiled from 136 different sources of data.

Client Details
Mr G Owens, Albury Si Ltd, Miltons Yard, Petworth Road, Witley, Godalming, Surrey, GU8 5LH

Order Details
Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530680, 190100
Site Area (Ha):	3.47
Search Buffer (m):	1000

Site Details
The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Full Terms and Conditions can be found on the following link:
http://www.landmarkinfo.co.uk/Terms/Show/515

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WMGR	Infilled Ground	Artificial Deposit	Cenozoic - Cenozoic
	LSGR	Landscaped Ground (Undivided)	Artificially Modified Ground	Holocene - Holocene
	WGR	Worked Ground (Undivided)	Void	Holocene - Holocene
	MGR	Made Ground (Undivided)	Artificial Deposit	Holocene - Holocene

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	KPGR	Kempton Park Gravel Formation	Sand and Gravel	Devensian - Devensian
	ESI	Enfield Silt Member	Clay and Silt	Flandrian - Devensian
	BHT	Boyn Hill Gravel Member	Sand and Gravel	Wolstonian - Hoxnian
	LOFT	Lowestoft Formation	Diamicton	Anglian - Anglian
	DHGR	Dollis Hill Gravel Member	Sand and Gravel	Anglian - Cromerian
	RTDU	River Terrace Deposits (Undifferentiated)	Sand and Gravel	Quaternary - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	LC	London Clay Formation	Clay, Silt and Sand	Eocene - Eocene
	CLGB	Claygate Member	Clay, Silt and Sand	Eocene - Eocene

ALBURY S.I. LTD
Geotechnical & Environmental

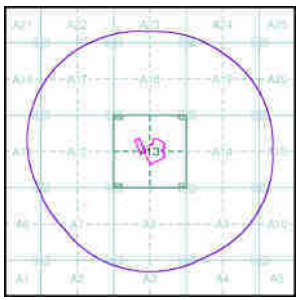
Geology 1:50,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.
The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

Map ID:	**1**
Map Sheet No:	**256**
Map Name:	**North London**
Map Date:	**2006**
Bedrock Geology:	**Available**
Superficial Geology:	**Available**
Artificial Geology:	**Available**
Faults:	**Not Supplied**
Landslip:	**Available**
Rock Segments:	**Not Supplied**

Geology 1:50,000 Maps - Slice A





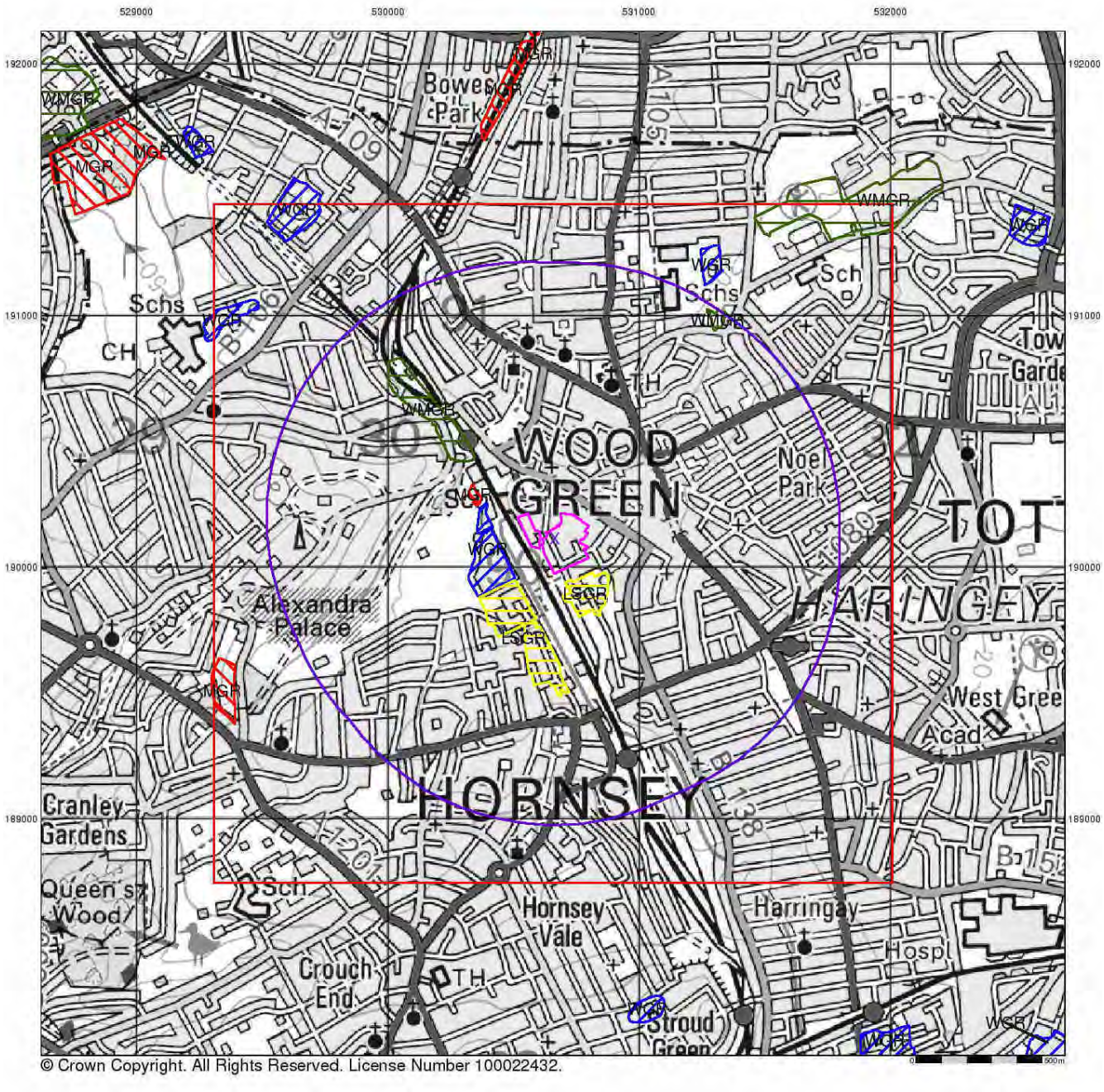
Order Details:

Order Number:	89415340_1_1
Customer Reference:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	1000

Site Details:

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



ALBURY S.I. LTD
Geotechnical & Environmental

Artificial Ground and Landslip

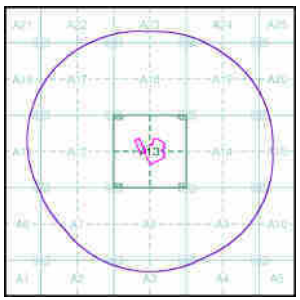
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

Artificial Ground and Landslip Map - Slice A



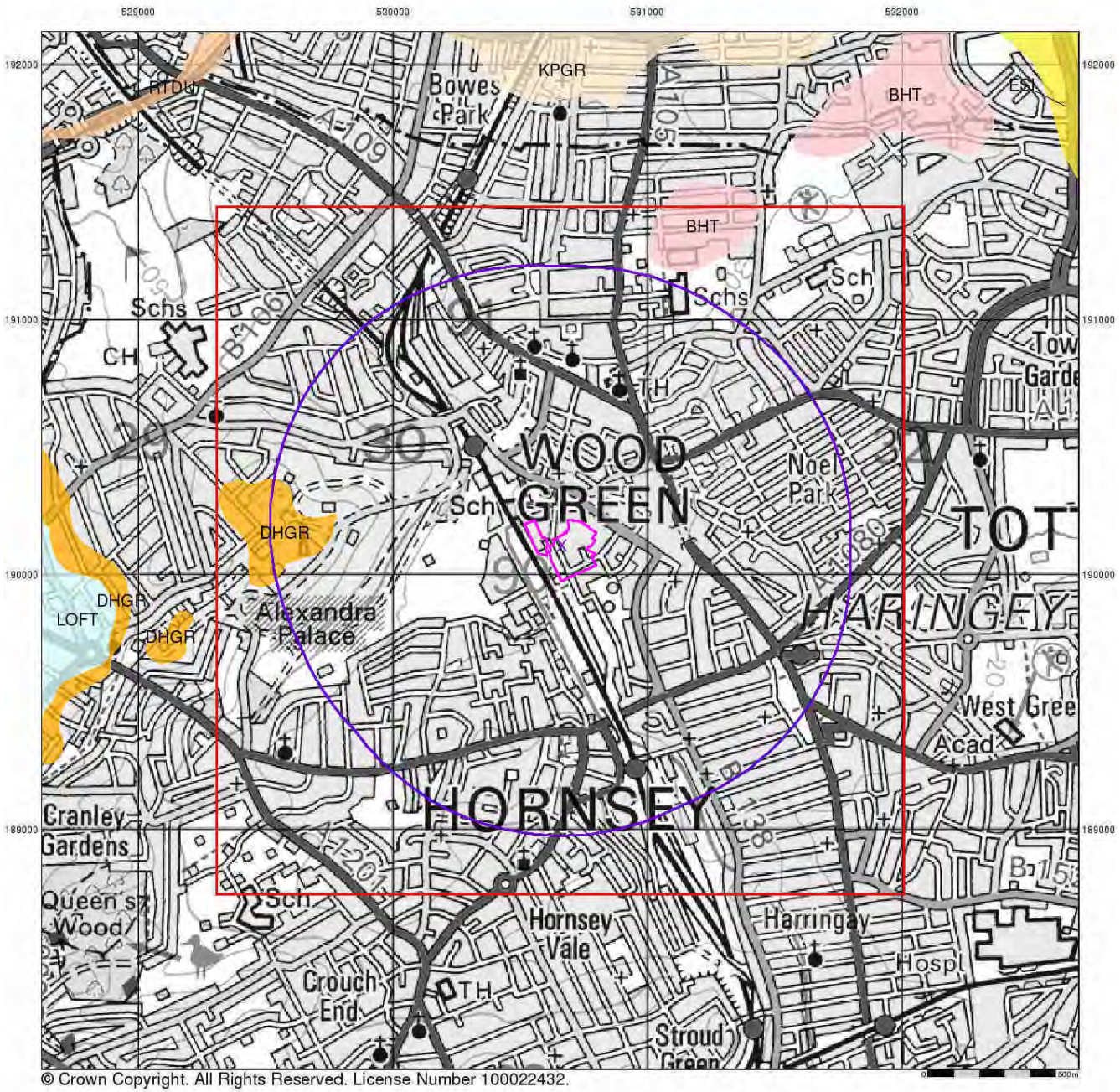
N

Order Details:

Order Number:	89415340_1_1
Customer Reference:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	1000

Site Details:

The Chocolate Factory, Wood Green, LONDON, N22 6XJ



© Crown Copyright. All Rights Reserved. License Number 100022432.

ALBURY S.I. LTD
Geotechnical & Environmental

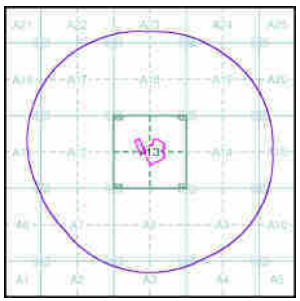
Superficial Geology

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

Superficial Geology Map - Slice A



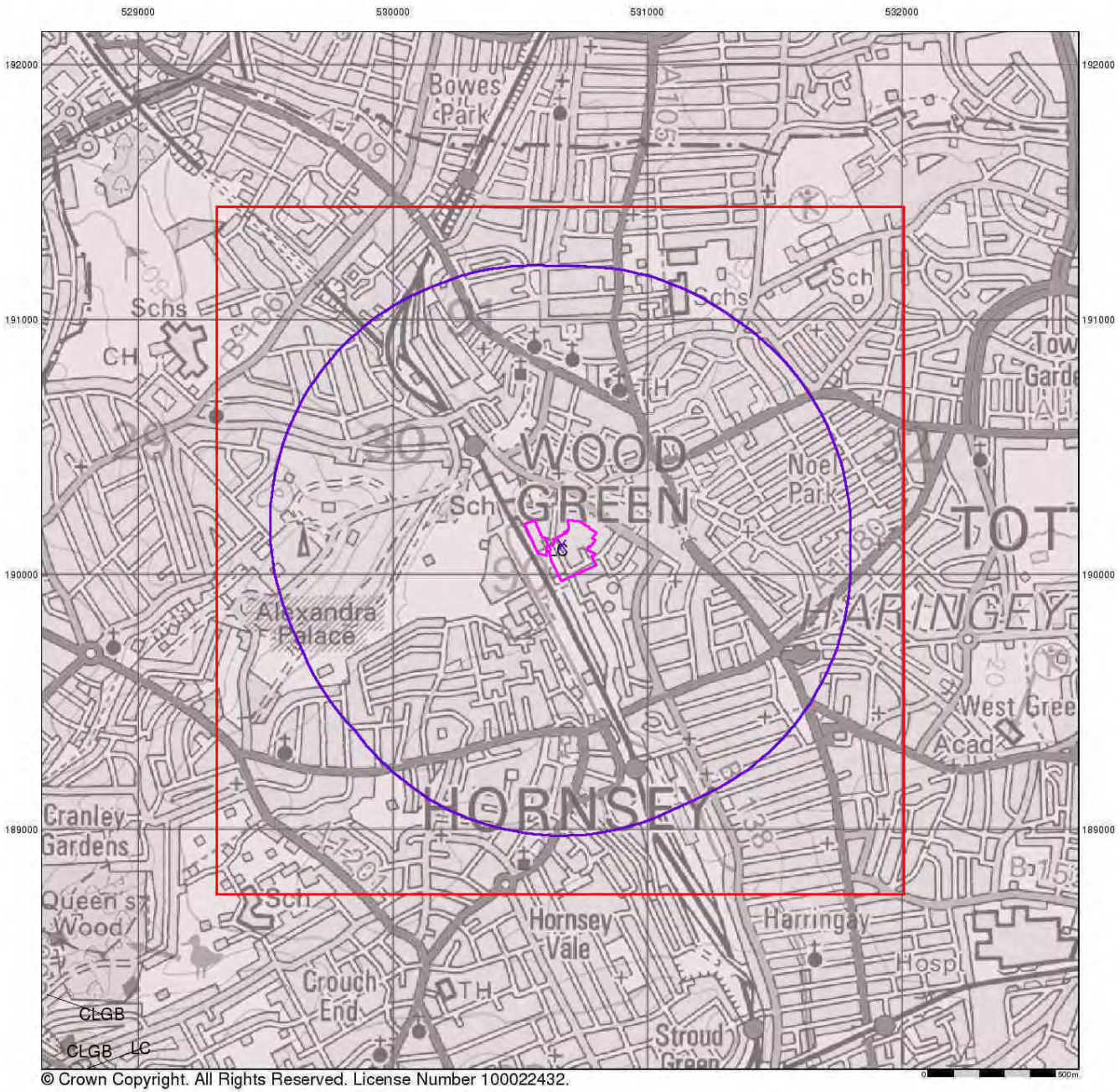
Order Details:

Order Number:	89415340_1_1
Customer Reference:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	1000

Site Details:

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown Copyright. All Rights Reserved. License Number 100022432.

ALBURY S.I. LTD
Geotechnical & Environmental

Bedrock and Faults

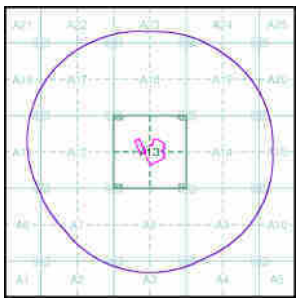
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

Bedrock and Faults Map - Slice A



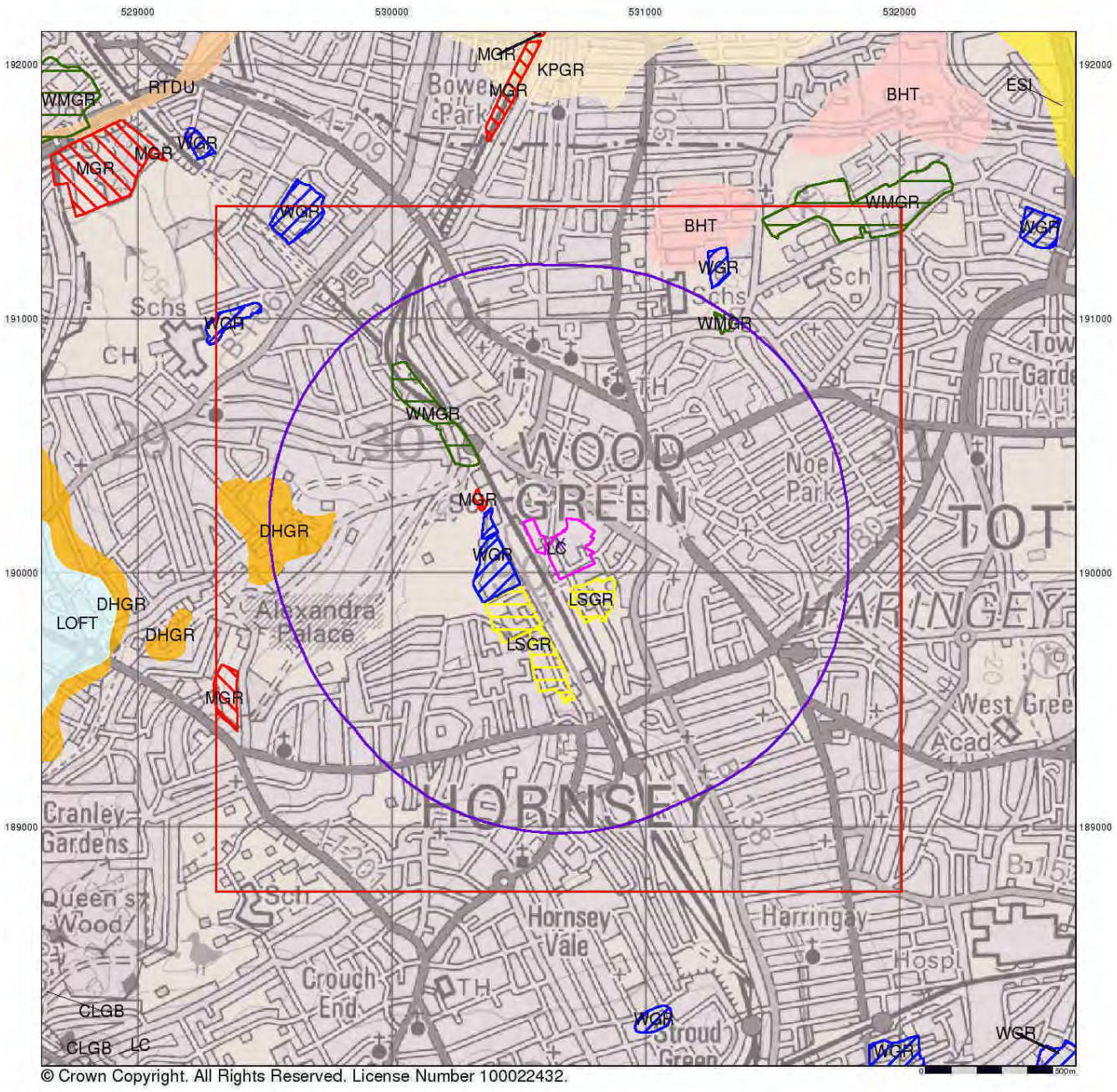
Order Details:

Order Number:	89415340_1_1
Customer Reference:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	1000

Site Details:

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown Copyright. All Rights Reserved. License Number 100022432.

ALBURY S.I. LTD
Geotechnical & Environmental

Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

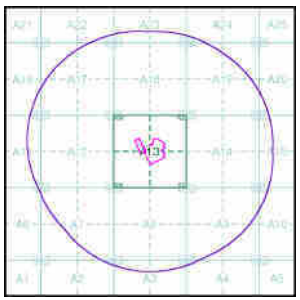
Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

Contact

British Geological Survey
Kingsley Dunham Centre
Keyworth
Nottingham
NG12 5GG
Telephone: 0115 936 3143
Fax: 0115 936 3276
email: enquiries@bgs.ac.uk
website: www.bgs.ac.uk

Combined Geology Map - Slice A



N

Order Details:

Order Number:	89415340_1_1
Customer Reference:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	1000

Site Details:

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

530400 530600 530800

190400 190200 190000 189800

Wood Green Confectionery Works

Reservoir

Pumping Engine

Filtering Beds

Horsey Gas Works

0 100 m

© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

ALBURY S.I. LTD
Geotechnical & Environmental

Middlesex

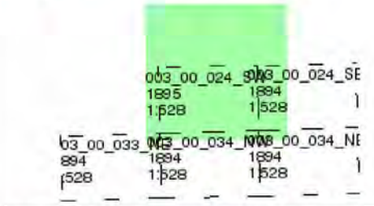
Published 1894 - 1895

Source map scale - 1:528

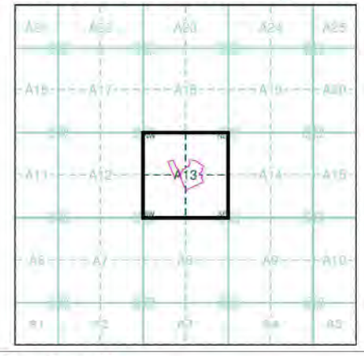
The 1:528 scale Ordnance Survey mapping was adopted in 1850 as an alternative to the 1:1056 scale, that had been deemed to be inadequate for sanitary planning, which had come very much to the fore following the passing of the Public Health Act of 1948. Around 29 towns in England and Wales were surveyed at this scale, the bulk of which were undertaken between 1850 and 1855. These were predominantly towns that were outside the areas being surveyed at 1:10,560 or 1:2500 scale. As well as showing the details characteristic of the later 1:500 plans, they show features of sanitary interest such as privies, taps, cow houses, cess pits, brew and bake houses and cart sheds and stables.

Please note: Due to the partial coverage of Historical Town Plans, it is possible that not all segments within an order will contain mapping. Only the segments that have Town Plan coverage will be generated.

Map Name(s) and Date(s)



Historical Town Plan - Segment A13



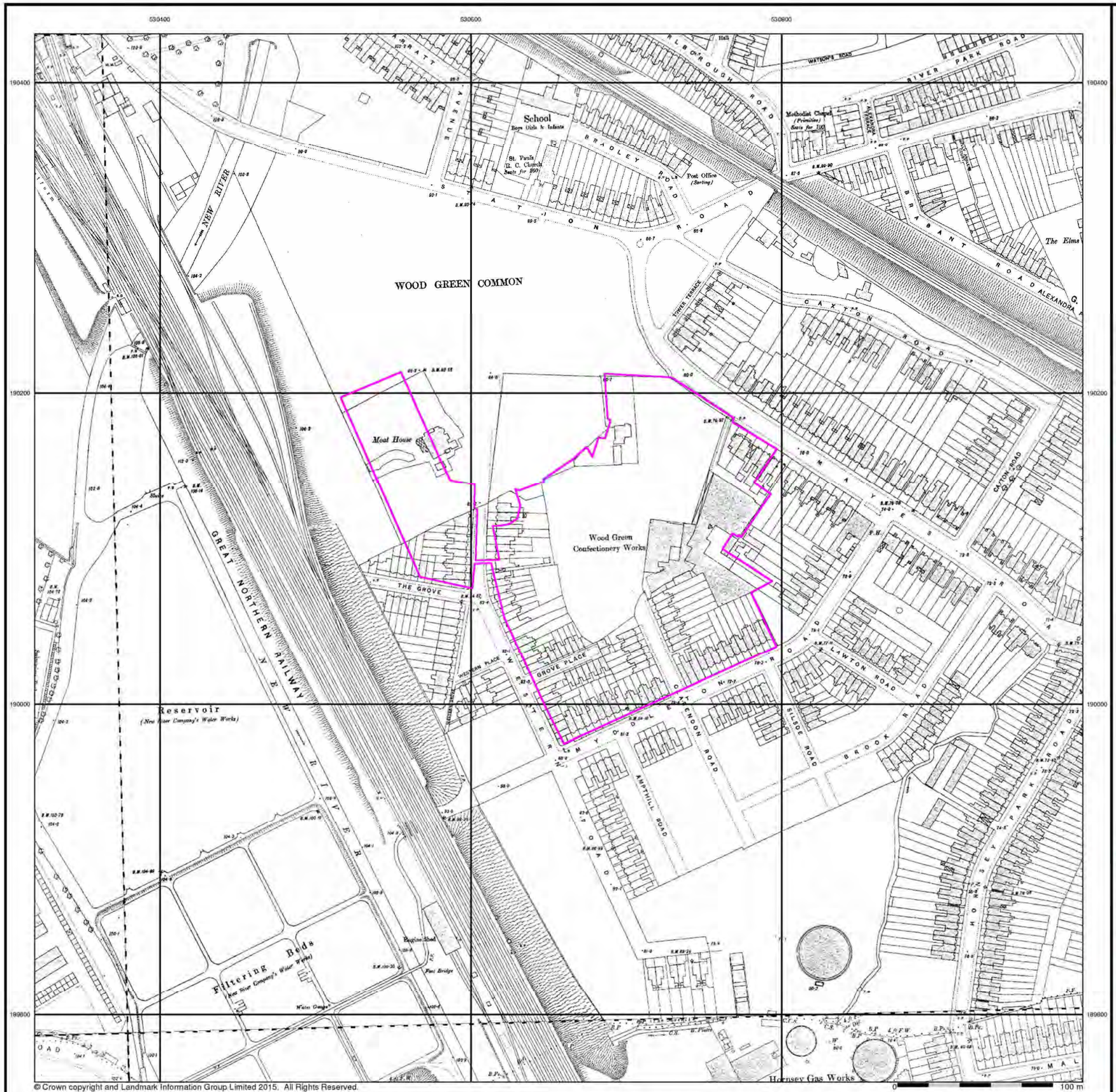
Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	0

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark information group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

ALBURY S.I. LTD
Geotechnical & Environmental

London

Published 1894 - 1895

Source map scale - 1:1,056

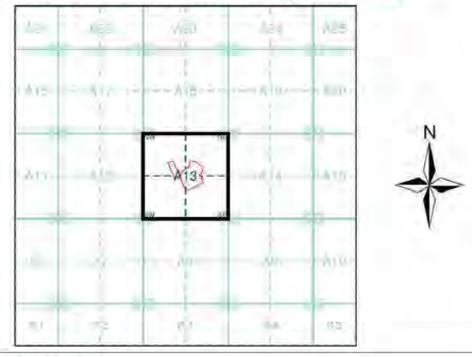
The 1:1056 scale of Ordnance Survey mapping was adopted from Ireland in 1848 and was used to survey towns with a population of over 4000, plus county towns of lesser population, in those counties mapped at the six-inch scale in 1841-55. The scale was the largest scale at which London was mapped by the Ordnance Survey and a 'skeleton' survey of the capital, showing little more than streets, street names, frontages and altitudes, was undertaken between 1848 and 1850. The majority of the 1:1056 surveys were later replaced by 1:500 surveys; although almost all the remainder were revised at this scale, sometimes more than once before 1895. The type of detail shown on the 1:1056 scale is broadly similar to that on 1:500: the apparent omission of minor details such as sewer access points and street lights may be as much a reflection of the generally earlier date of these plans, as of the specification of the map.

Please note: Due to the partial coverage of Historical Town Plans, it is possible that not all segments within an order will contain mapping. Only the segments that have Town Plan coverage will be generated.

Map Name(s) and Date(s)

003_00_013 1894 1:1,056	003_00_014 1895 1:1,056	
003_00_023 1895 1:1,056	003_00_024 1895 1:1,056	
003_00_033 1895 1:1,056	003_00_034 1895 1:1,056	

Historical Town Plan - Segment A13



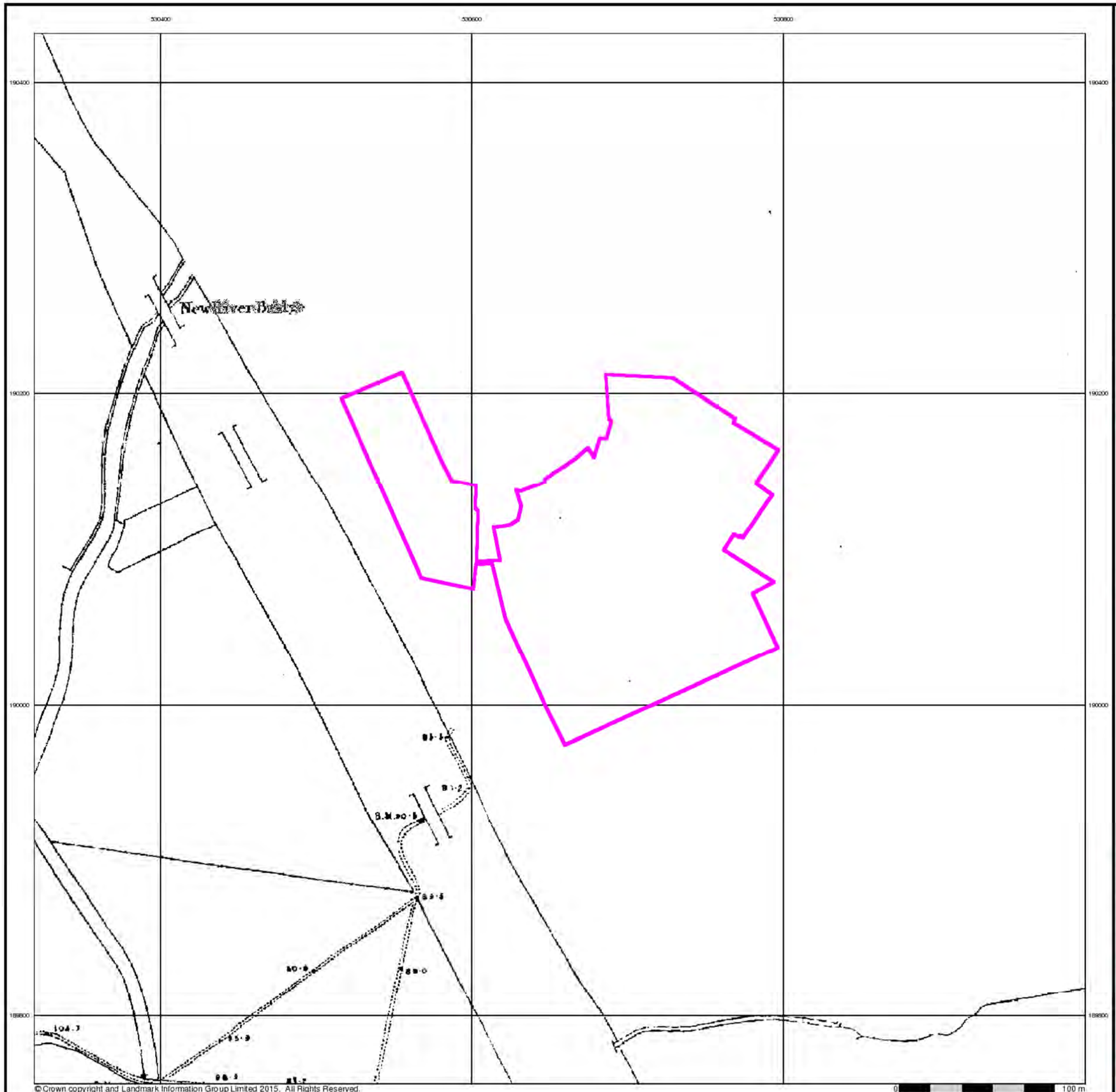
Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	0

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

ALBURY S.I. LTD
Geotechnical & Environmental

London

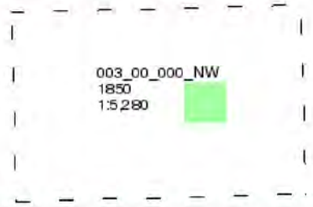
Published 1850

Source map scale - 1:5,280

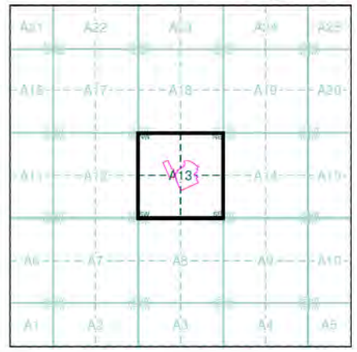
The historical town plans shown derive from Ordnance Survey mapping from the early to mid 1850s. The 1:2640 scale was introduced in the early 1850s, to survey districts covered by the Local Boards of Health and for a map of the Osborne Estate of Queen Victoria. The general style is similar to that of the early 1:2500s published shortly afterwards.
1:5280 scale was surveyed shortly afterwards in the mid 1850s as general purpose mapping with a standard of content similar to the more contemporary 1:10.560 mapping. The scale was also used for a reduction of the 1:1056 'skeleton survey' of London that was undertaken between 1848 and 1850.

Please note: Due to the partial coverage of Historical Town Plans, it is possible that not all segments within an order will contain mapping. Only the segments that have Town Plan coverage will be generated.

Map Name(s) and Date(s)



Historical Town Plan - Segment A13



Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	0

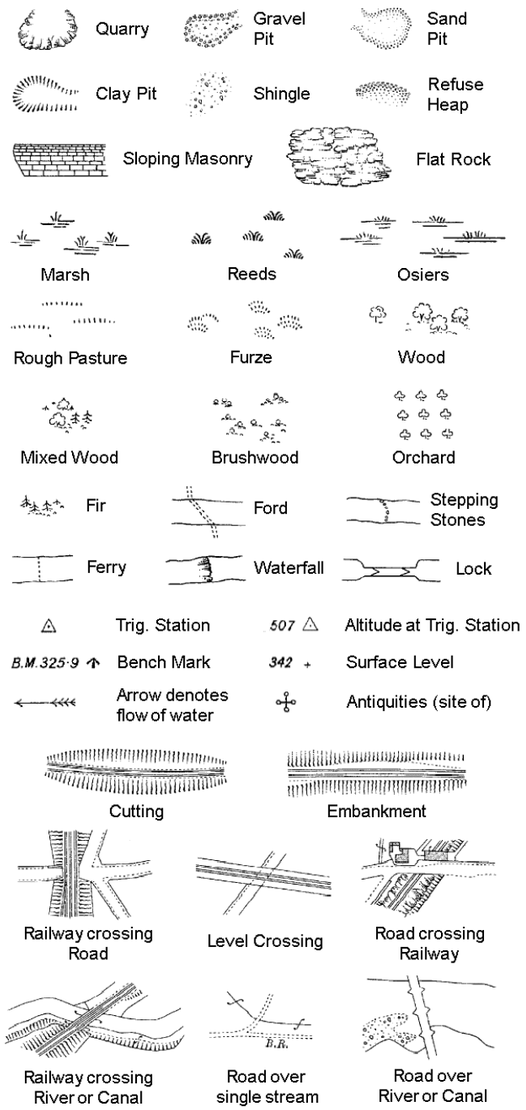
Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Historical Mapping Legends

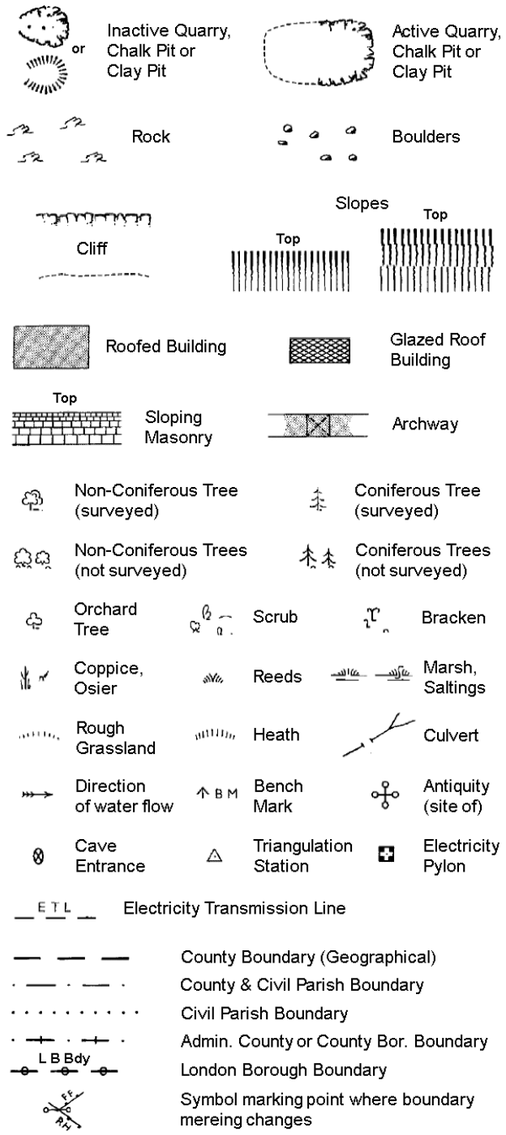
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

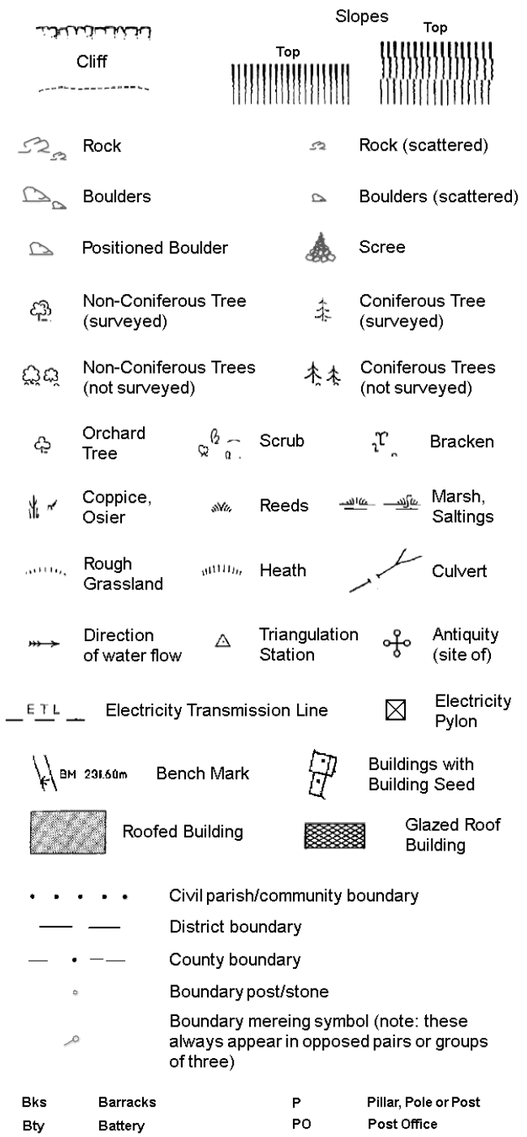
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

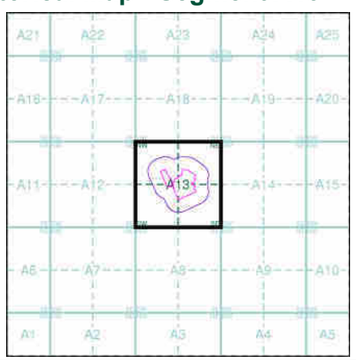
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

ALBURY S.I. LTD
Geotechnical & Environmental

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Middlesex	1:2,500	1863 - 1879	2
London	1:2,500	1896	3
Middlesex	1:2,500	1914	4
Middlesex	1:2,500	1935	5
Ordnance Survey Plan	1:2,500	1955 - 1956	6
Ordnance Survey Plan	1:1,250	1955	7
Additional SIMs	1:1,250	1955 - 1989	8
Ordnance Survey Plan	1:1,250	1964 - 1973	9
Ordnance Survey Plan	1:1,250	1971 - 1989	10
Supply of Unpublished Survey Information	1:1,250	1973 - 1974	11
Additional SIMs	1:1,250	1977 - 1981	12
Ordnance Survey Plan	1:1,250	1981	13
Additional SIMs	1:1,250	1987 - 1989	14
Large-Scale National Grid Data	1:1,250	1991	15
Large-Scale National Grid Data	1:1,250	1991 - 1995	16
Large-Scale National Grid Data	1:1,250	1992	17

Historical Map - Segment A13



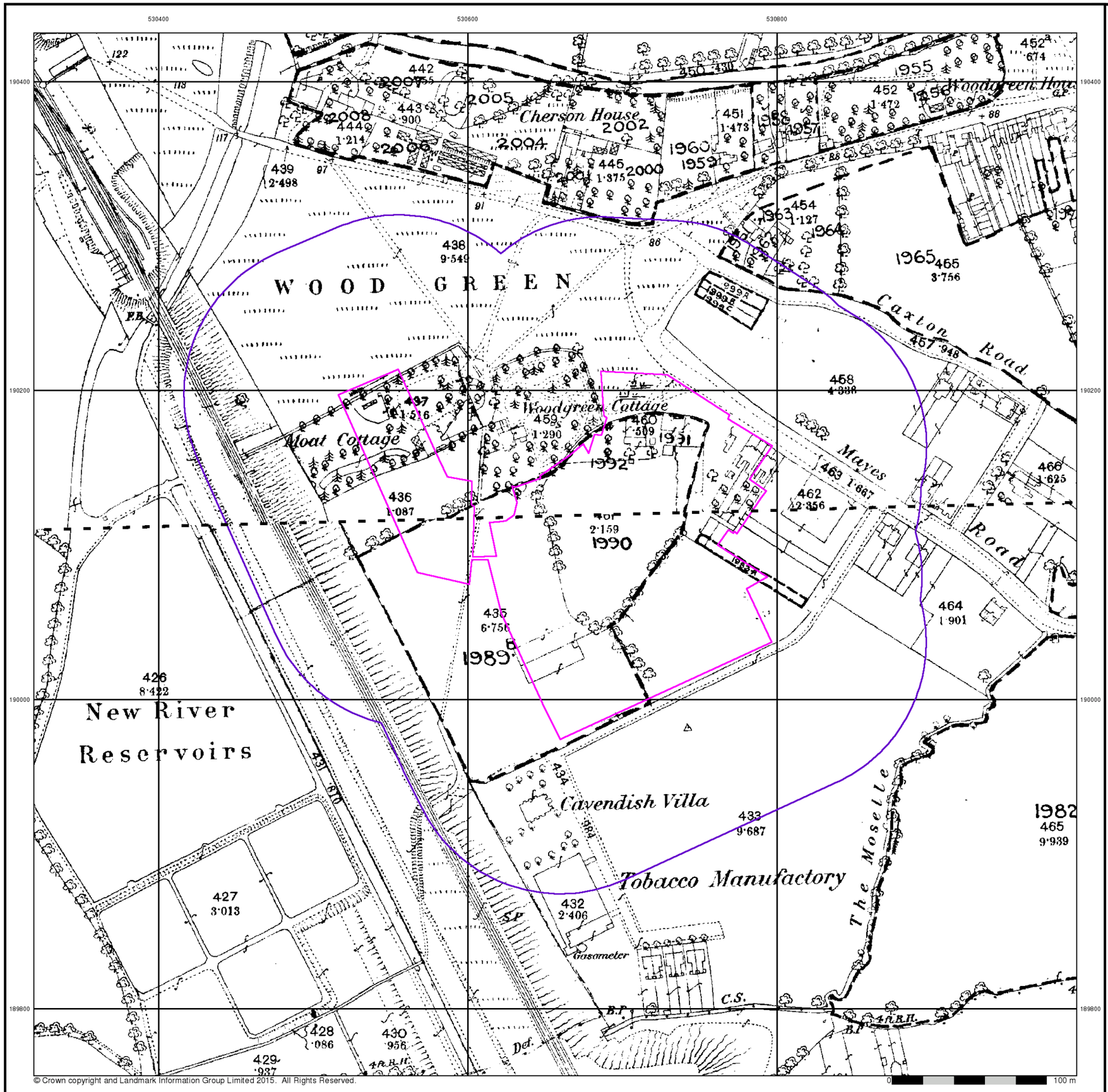
Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	100

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

ALBURY S.I. LTD
Geotechnical & Environmental

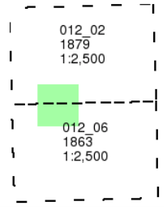
Middlesex

Published 1863 - 1879

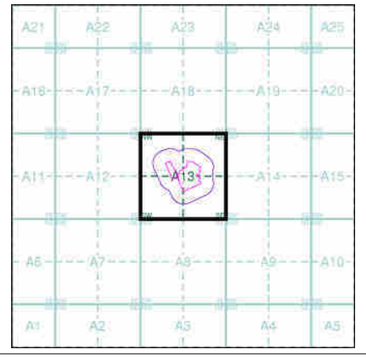
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



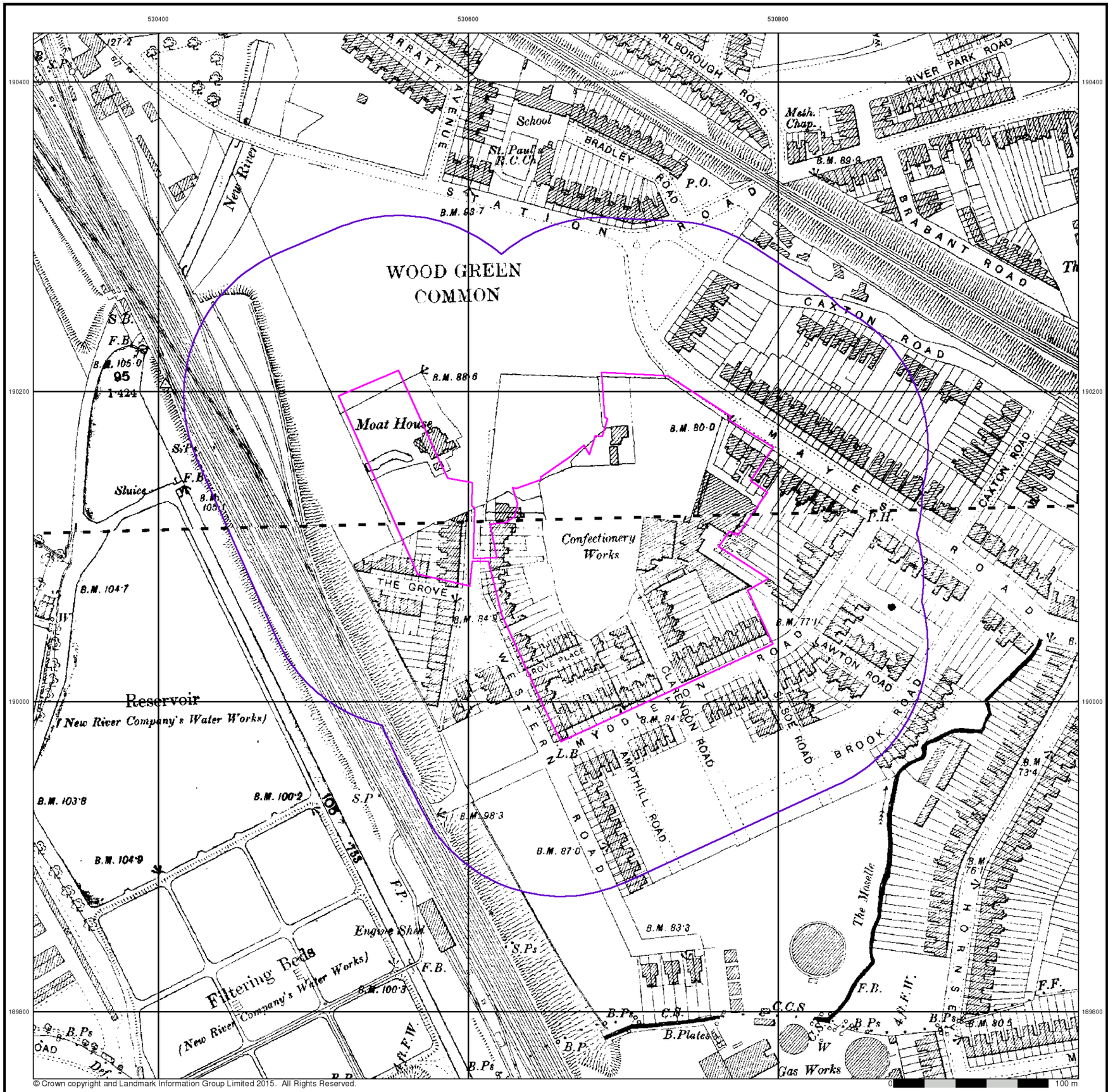
Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	100

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



ALBURY S.I. LTD
Geotechnical & Environmental

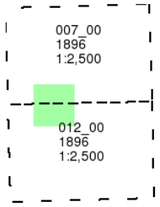
London

Published 1896

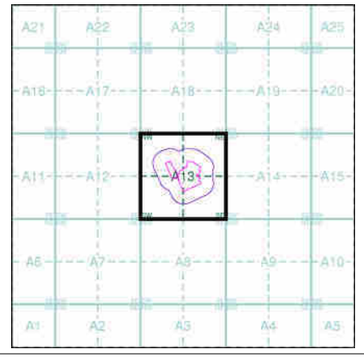
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



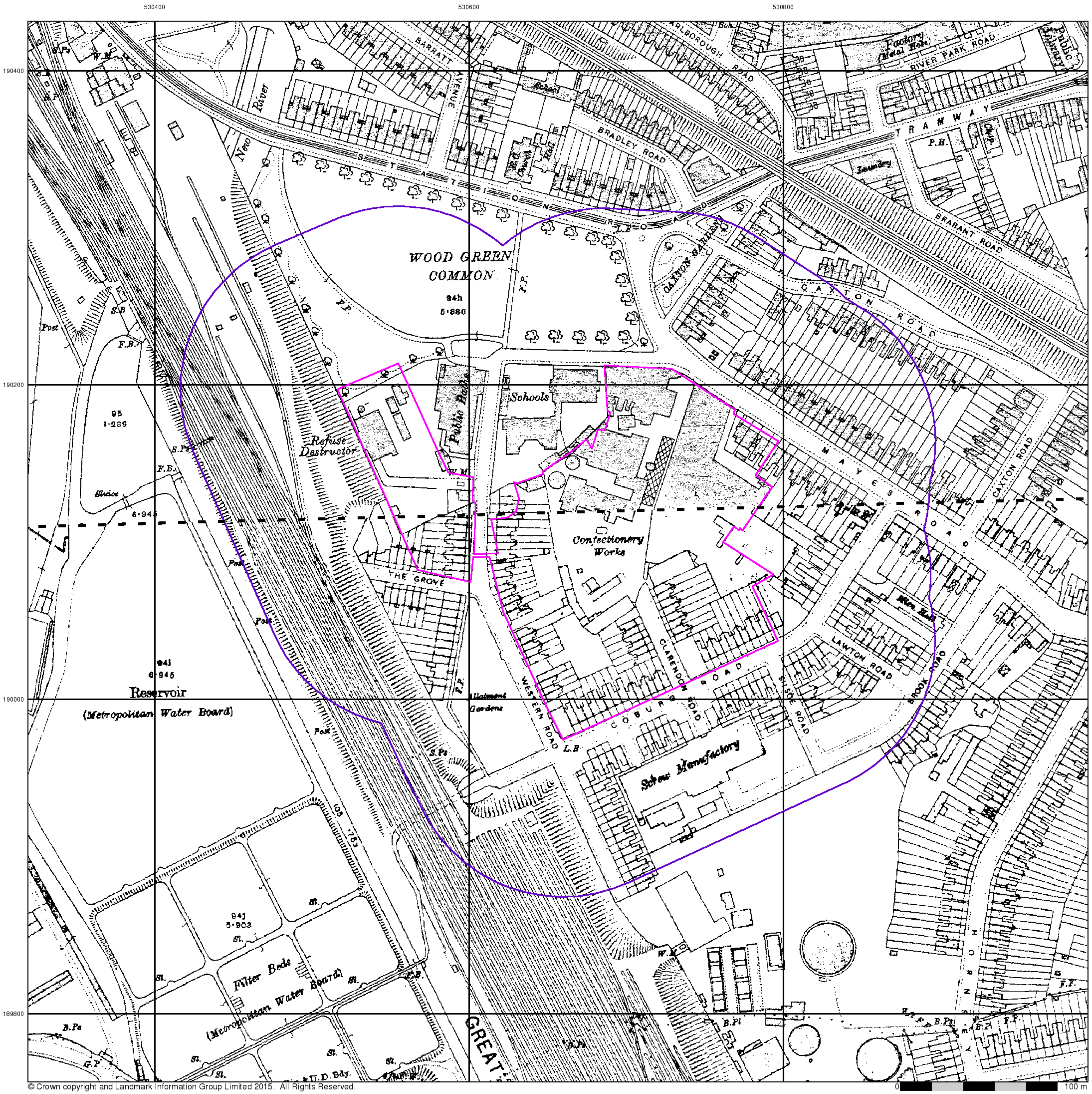
Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	100

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

ALBURY S.I. LTD
Geotechnical & Environmental

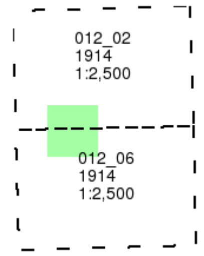
Middlesex

Published 1914

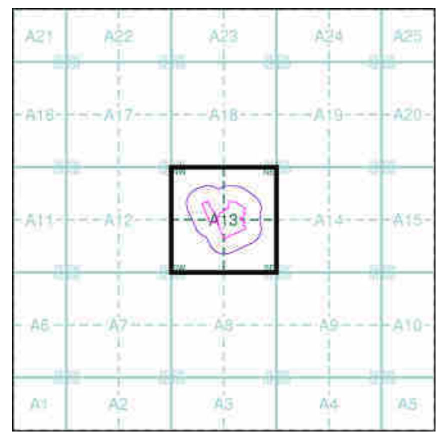
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



N

Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	100

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

ALBURY S.I. LTD
Geotechnical & Environmental

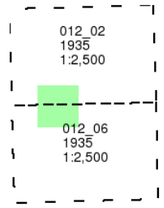
Middlesex

Published 1935

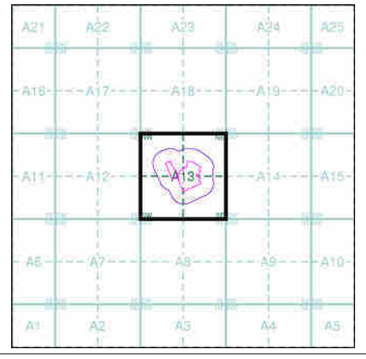
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



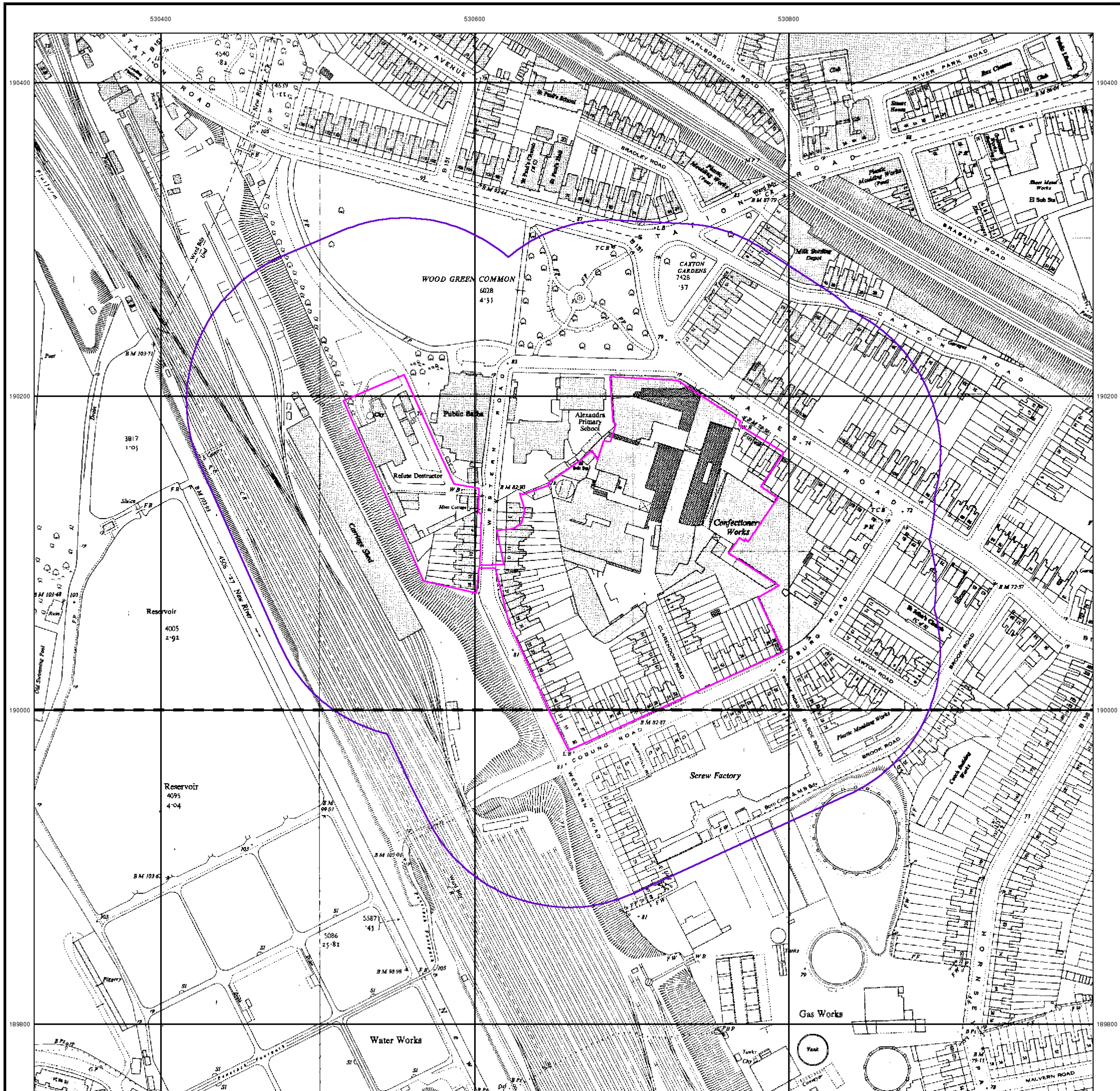
Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	100

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

0 100 m

ALBURY S.I. LTD
Geotechnical & Environmental

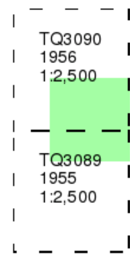
Ordnance Survey Plan

Published 1955 - 1956

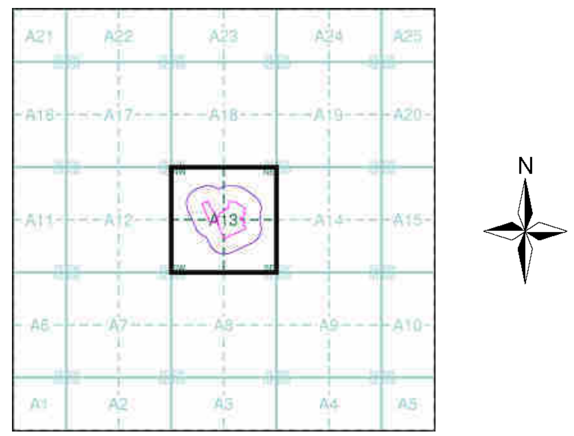
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 89415340_1_1
Customer Ref: 16/10755/GO
National Grid Reference: 530670, 190110
Slice: A
Site Area (Ha): 3.47
Search Buffer (m): 100

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

ALBURY S.I. LTD
Geotechnical & Environmental

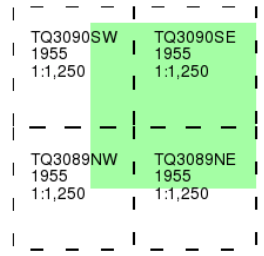
Ordnance Survey Plan

Published 1955

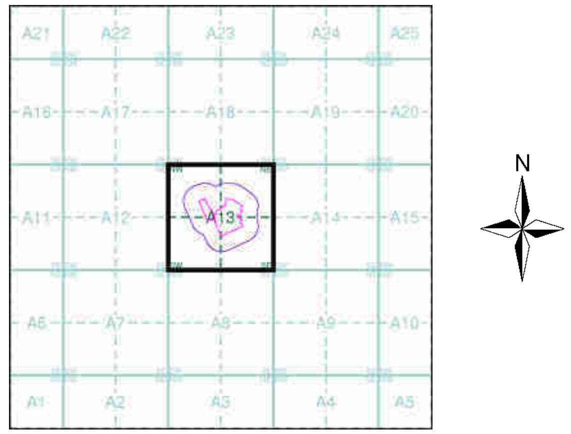
Source map scale - 1:1,250

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 89415340_1_1
Customer Ref: 16/10755/GO
National Grid Reference: 530670, 190110
Slice: A
Site Area (Ha): 3.47
Search Buffer (m): 100

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

ALBURY S.I. LTD
Geotechnical & Environmental

Additional SIMs

Published 1955 - 1989

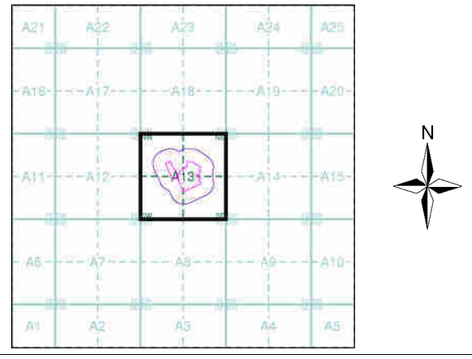
Source map scale - 1:1,250

The SIM cards (Ordnance Survey's `Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

TQ3090SW 1955 1:1,250	TQ3090SE 1978 1:1,250
TQ3089NW 1989 1:1,250	TQ3089NE 1955 1:1,250

Historical Map - Segment A13



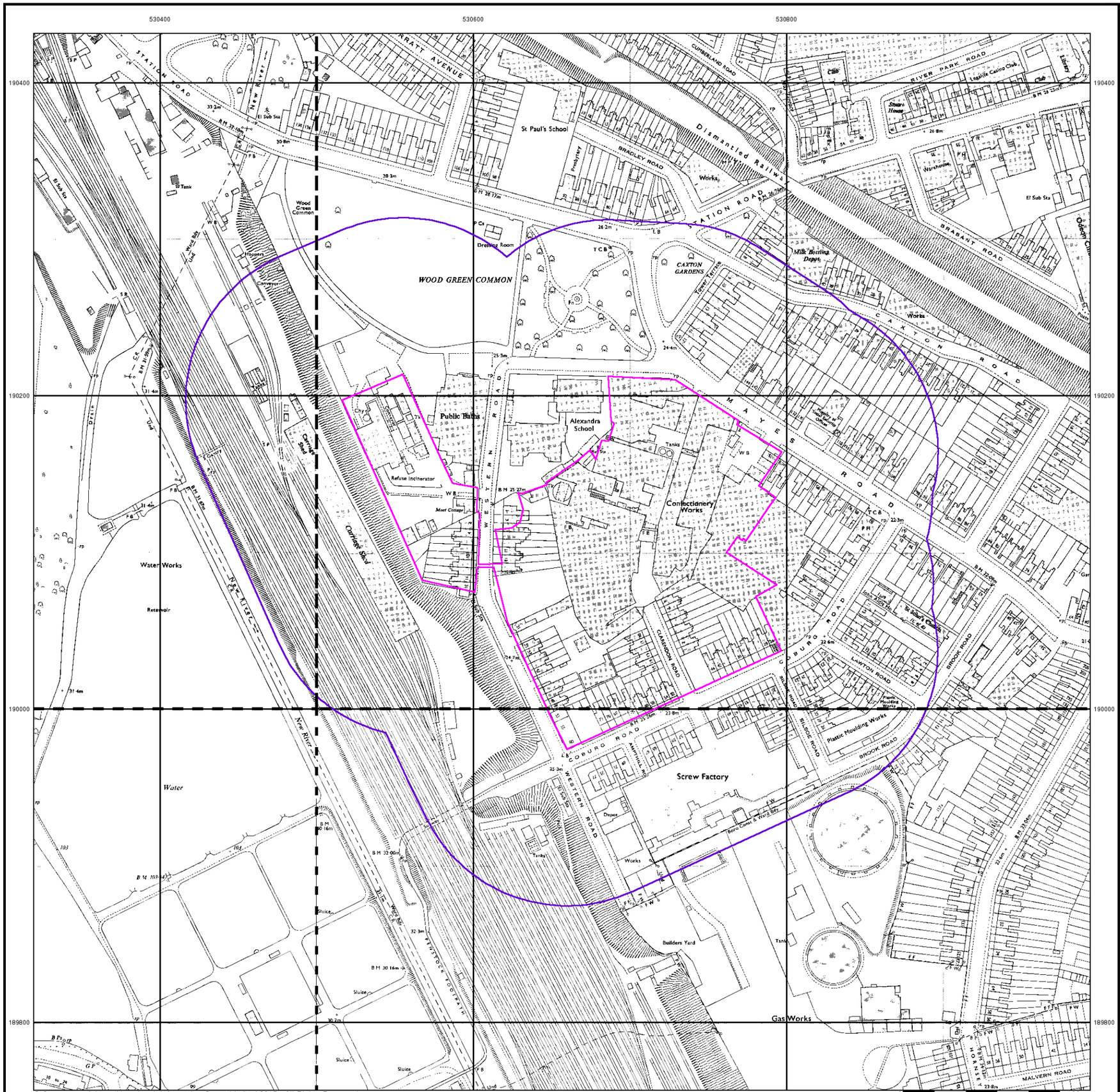
Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	100

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

ALBURY S.I. LTD
Geotechnical & Environmental

Ordnance Survey Plan

Published 1964 - 1973

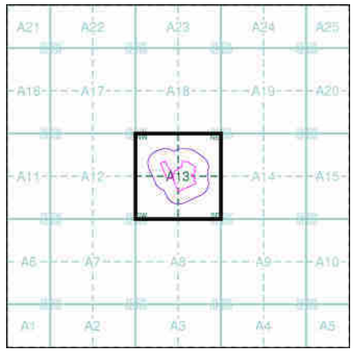
Source map scale - 1:1,250

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

TQ3090SW 1973 1:1,250	TQ3090SE 1969 1:1,250
TQ3089NW 1964 1:1,250	TQ3089NE 1973 1:1,250

Historical Map - Segment A13



Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	100

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

ALBURY S.I. LTD
Geotechnical & Environmental

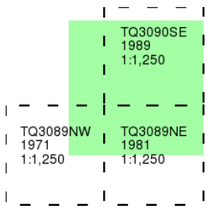
Ordnance Survey Plan

Published 1971 - 1989

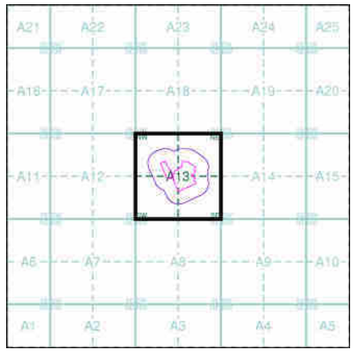
Source map scale - 1:1,250

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	100

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



ALBURY S.I. LTD
Geotechnical & Environmental

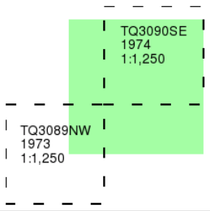
Supply of Unpublished Survey Information

Published 1973 - 1974

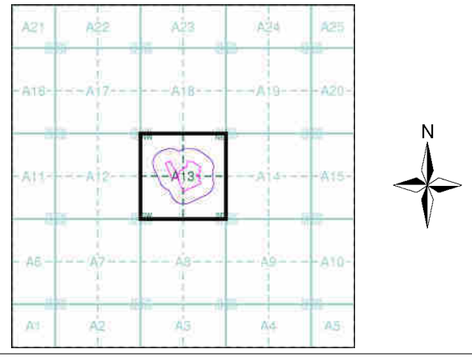
Source map scale - 1:1,250

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a `work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



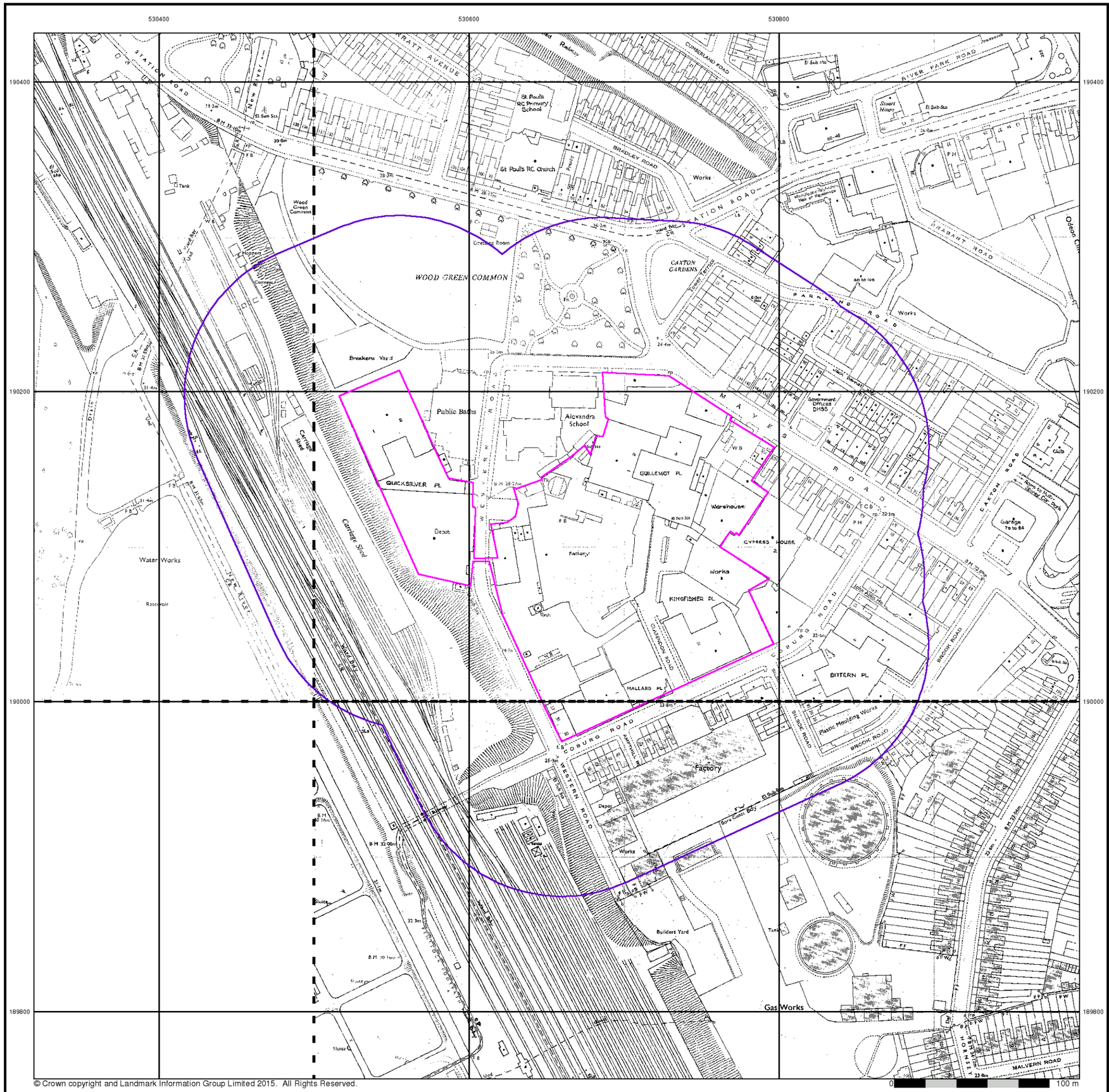
Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	100

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

ALBURY S.I. LTD
Geotechnical & Environmental

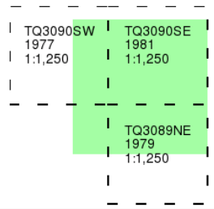
Additional SIMs

Published 1977 - 1981

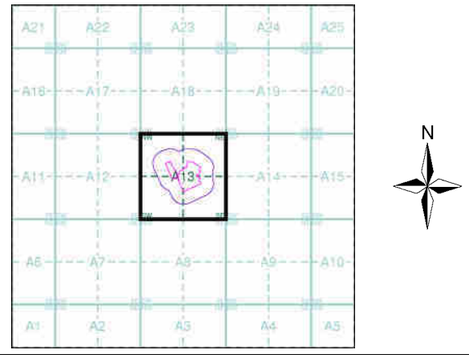
Source map scale - 1:1,250

The SIM cards (Ordnance Survey's `Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



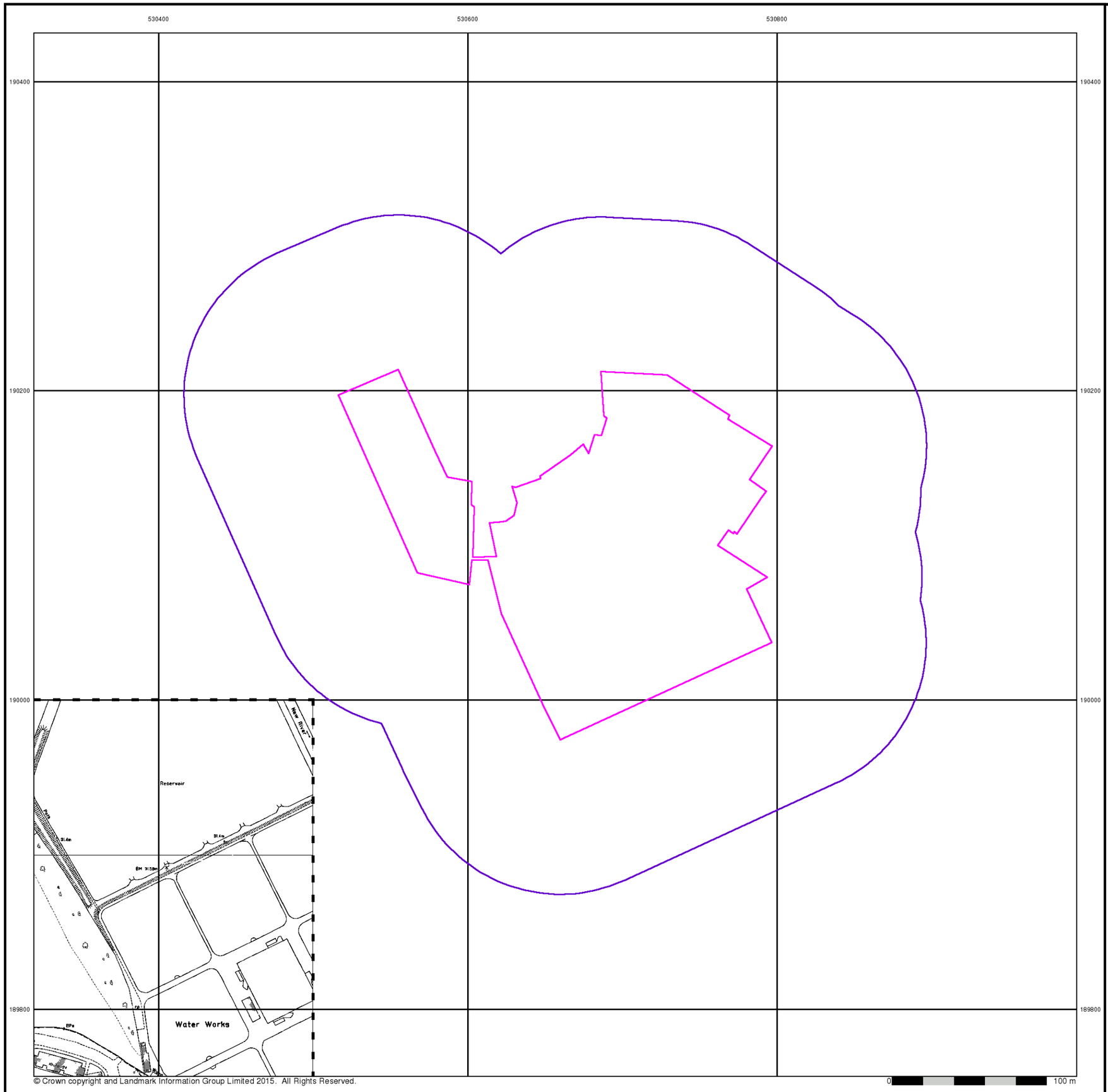
Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	100

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



ALBURY S.I. LTD
Geotechnical & Environmental

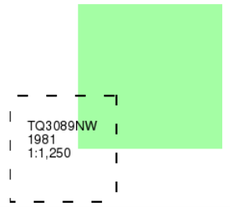
Ordnance Survey Plan

Published 1981

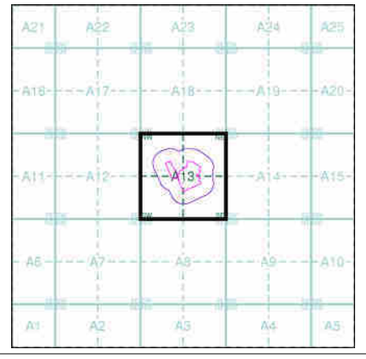
Source map scale - 1:1,250

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	100

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

ALBURY S.I. LTD
Geotechnical & Environmental

Additional SIMs

Published 1987 - 1989

Source map scale - 1:1,250

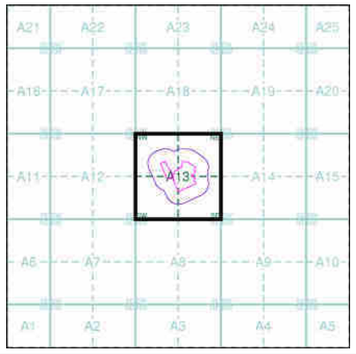
The SIM cards (Ordnance Survey's `Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

TQ3090SE
1987
1:1,250

TQ3089NE
1989
1:1,250

Historical Map - Segment A13



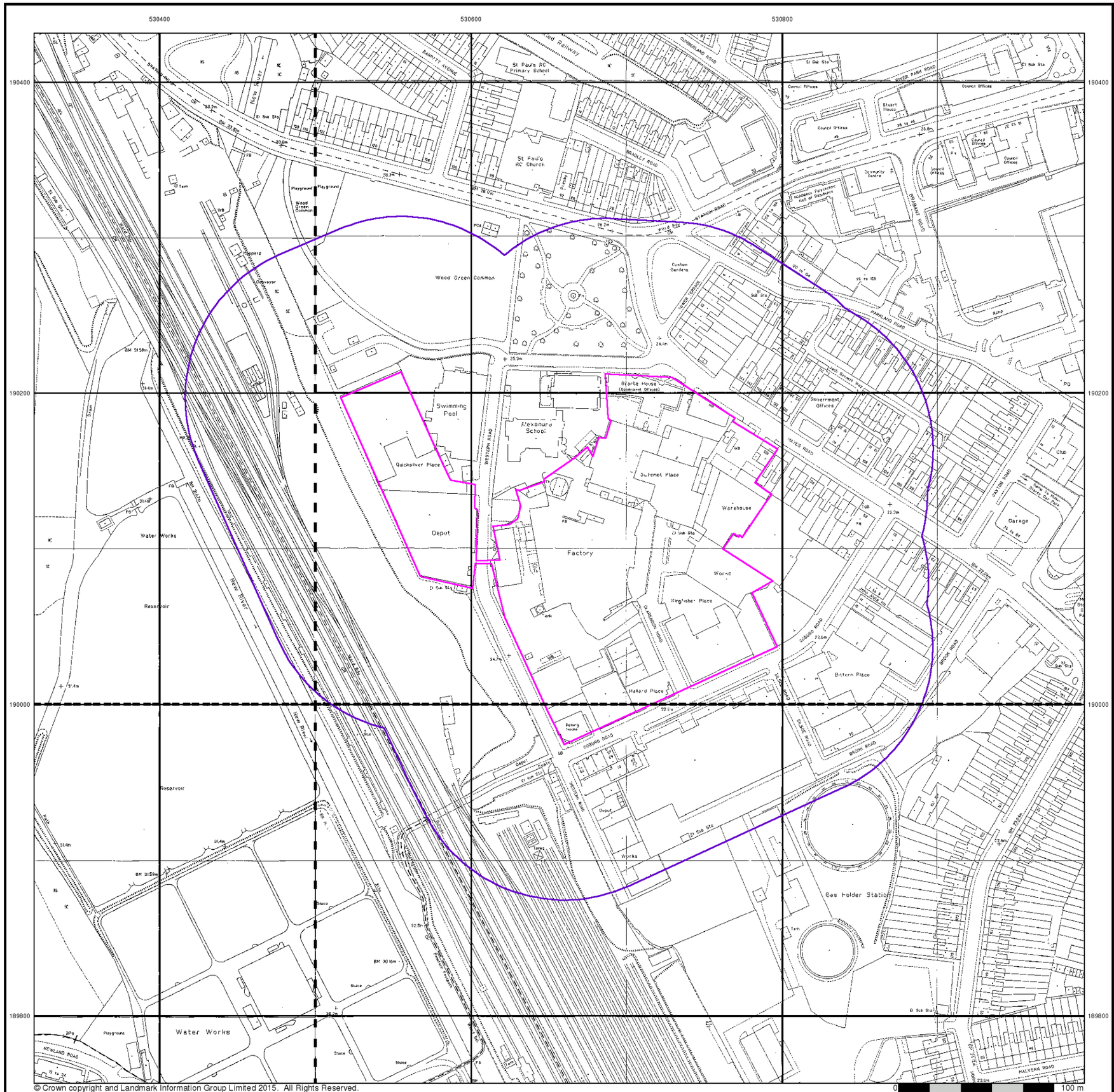
Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	100

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



ALBURY S.I. LTD
Geotechnical & Environmental

Large-Scale National Grid Data

Published 1991

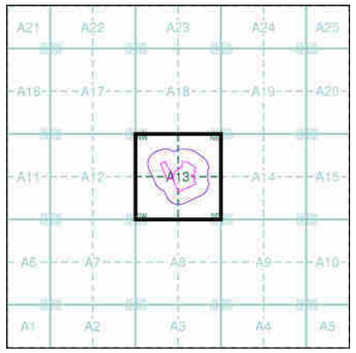
Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

TQ3090SW 1991 1:1,250	TQ3090SE 1991 1:1,250
TQ3089NW 1991 1:1,250	TQ3089NE 1991 1:1,250

Historical Map - Segment A13



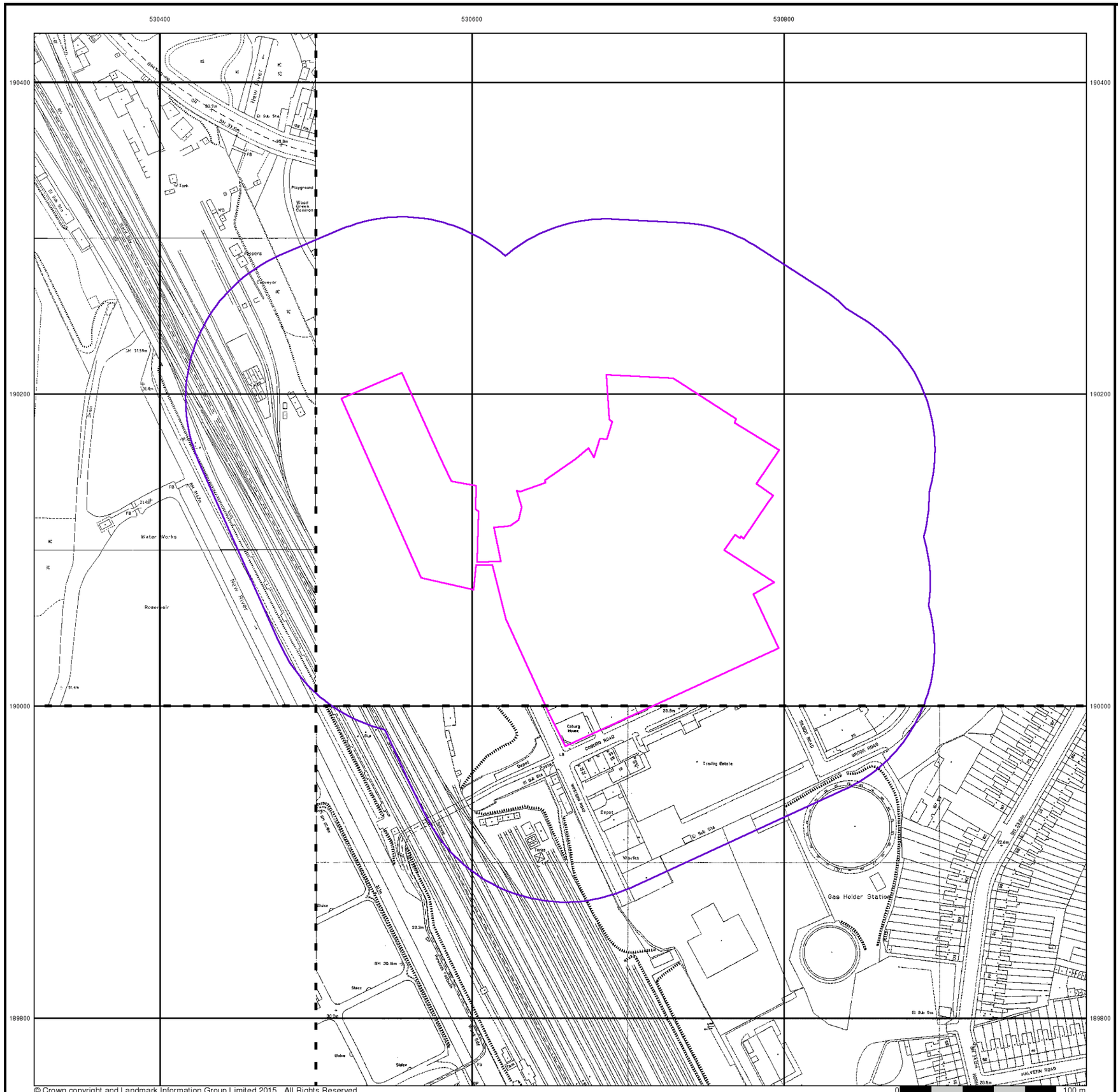
Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	100

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

ALBURY S.I. LTD
Geotechnical & Environmental

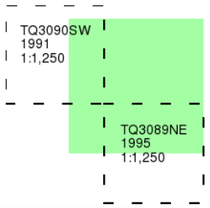
Large-Scale National Grid Data

Published 1991 - 1995

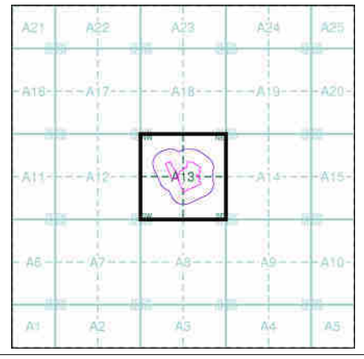
Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



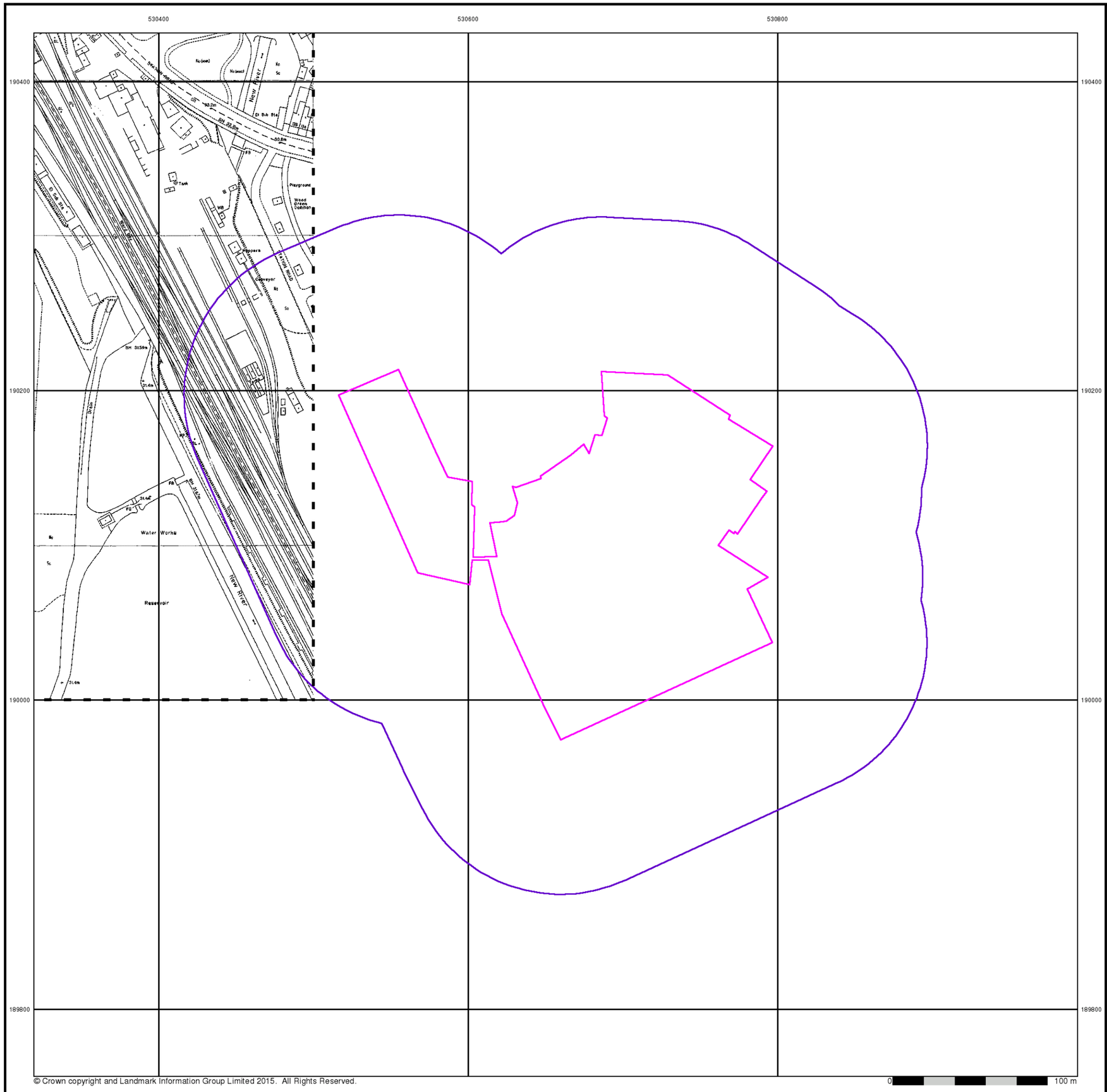
Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	100

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

0 100 m

ALBURY S.I. LTD
Geotechnical & Environmental

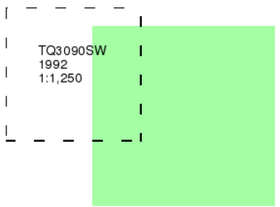
Large-Scale National Grid Data

Published 1992

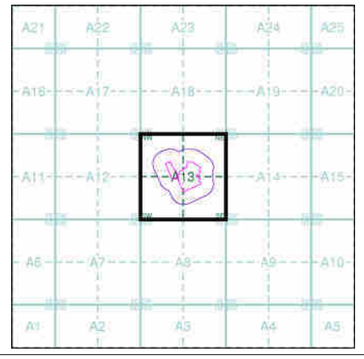
Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	100

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

Gravel Pit
Sand Pit
Other Pits
Quarry
Shingle
Orchard
Osiers
Reeds
Marsh
Mixed Wood
Deciduous
Brushwood
Fir
Furze
Rough Pasture
Arrow denotes flow of water
Trigonometrical Station
Site of Antiquities
Bench Mark
Pump, Guide Post, Signal Post
Well, Spring, Boundary Post
·285 Surface Level
Sketched Contour
Instrumental Contour
Main Roads
Fenced
Un-Fenced
Minor Roads
Fenced
Un-Fenced
Sunken Road
Raised Road
Road over Railway
Railway over River
Railway over Road
Level Crossing
Road over River or Canal
Road over Stream
Road over Stream
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)
R.D. Bdy. Rural District Boundary
Civil Parish Boundary

Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry
Gravel Pit
Sand Pit
Disused Pit or Quarry
Refuse or Slag Heap
Lake, Loch or Pond
Dunes
Boulders
Coniferous Trees
Non-Coniferous Trees
Orchard
Scrub
Coppice
Bracken
Heath
Rough Grassland
Marsh
Reeds
Saltings
Building
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Pylon
Electricity Transmission Line
Sloping Masonry
Cutting
Embankment
Standard Gauge Multiple Track
Road Under
Road Over
Level Crossing
Foot Bridge
Standard Gauge Single Track
Siding, Tramway or Mineral Line
Narrow Gauge
Geographical County
Administrative County, County Borough or County of City
Municipal Borough, Urban or Rural District, Burgh or District Council
Borough, Burgh or County Constituency
Shown only when not coincident with other boundaries
Civil Parish
Shown alternately when coincidence of boundaries occurs

BP, BS	Boundary Post or Stone	Pol Sta	Police Station
Ch	Church	PO	Post Office
CH	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB	Foot Bridge	SB	Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	TCB	Telephone Call Box
MP	Mile Post	TCP	Telephone Call Post
MS	Mile Stone	W	Well

1:10,000 Raster Mapping

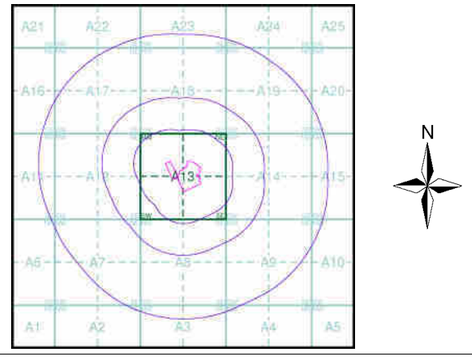
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community boundary
District, Unitary, Metropolitan, London Borough boundary
Constituency boundary
Area of wooded vegetation
Non-coniferous trees
Non-coniferous trees (scattered)
Coniferous trees
Coniferous trees (scattered)
Positioned tree
Orchard
Coppice or Osiers
Rough Grassland
Heath
Scrub
Marsh, Salt Marsh or Reeds
Water feature
Flow arrows
MHW(S) Mean high water (springs)
MLW(S) Mean low water (springs)
Telephone line (where shown)
Electricity transmission line (with poles)
BM 123.45 m Bench mark (where shown)
Triangulation station
Point feature (e.g. Guide Post or Mile Stone)
Pylon, flare stack or lighting tower
Site of (antiquity)
Glasshouse
General Building
Important Building

ALBURY S.I. LTD
Geotechnical & Environmental

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Middlesex	1:10,560	1873	3
Middlesex	1:10,560	1879	4
London	1:10,560	1896	5
Essex	1:10,560	1920	6
Essex	1:10,560	1938	7
Historical Aerial Photography	1:10,560	1945 - 1950	8
Ordnance Survey Plan	1:10,000	1951 - 1952	9
Ordnance Survey Plan	1:10,000	1958	10
Ordnance Survey Plan	1:10,000	1962 - 1968	11
Ordnance Survey Plan	1:10,000	1967	12
Ordnance Survey Plan	1:10,000	1973 - 1976	13
Ordnance Survey Plan	1:10,000	1981 - 1984	14
London	1:25,000	1985	15
Ordnance Survey Plan	1:10,000	1989	16
Ordnance Survey Plan	1:10,000	1990 - 1996	17
10K Raster Mapping	1:10,000	1999	18
Historical Aerial Photography	1:10,000	1999	19
10K Raster Mapping	1:10,000	2006	20
VectorMap Local	1:10,000	2016	21

Historical Map - Slice A



Order Details

Order Number: 89415340_1_1
Customer Ref: 16/10755/GO
National Grid Reference: 530670, 190110
Slice: A
Site Area (Ha): 3.47
Search Buffer (m): 1000

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Russian Military Mapping Legends

1:5,000 and 1:10,000 mapping

a. Not drawn to scale b. Drawn to scale

- Government and Administrative Buildings
- Military and Industrial Buildings
- Military and Communication Areas
- Subway Entrance
- Fireproof Building
- Prominent Fireproof Building
- Non-fireproof Building
- Non-fireproof Building (non-dwelling)
- Factory, mill, and flour mill, with chimneys
- Factory, mill, and flour mill, without chimneys
- Power Station, drawn to scale
- Hydroelectric Power Station
- Radio Station, drawn to scale
- Telephone Station, drawn to scale
- Abandoned Open-pit Mine or Quarry
- Open-pit Salt Mine
- Pit
- Oil Deposit or Well
- Oil Seepage
- Tailings Pile
- Fuel Storage Tanks
- Natural Gas Tank
- Bench Mark
- Drill Hole
- Burial Mound
- Triangulation Point on Burial Mound
- Single-track Railroad
- Double-track Railroad and Station Building
- Coniferous Forest
- Deciduous Forest
- Mixed Forest
- Lawns
- Citrus Orchard
- Wet Ground
- Scattered Vegetation

243,8 — Values for prominent elevations

186.0 — Numbers for spot elevations, depth soundings, contour lines, etc.

0,2 — Velocity of the current, width of river bed, depth of river

Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

Russian Alphabet (For reference and phonetic interpretation of map text)

А а (A)	З з (Z)	П п (P)	Ч ч (CH)
Б б (B)	И и (I)	Р р (R)	Ш ш (SH)
В в (V)	Й й (Y)	С с (S)	Щ щ (SHCH)
Г г (G)	К к (K)	Т т (T)	ъ (–)
Д д (D)	Л л (L)	У у (U)	ы (Y)
Е е (E)	М м (M)	Ф ф (F)	ь (')
Ё ё (YO)	Н н (N)	Х х (KH)	Э э (E)
Ж ж (ZH)	О о (O)	Ц ц (TS)	Ю ю (YU or IU)
			Я я (YA or IA)

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

- Government and Administrative Buildings
- Military and Industrial Buildings
- Military and Communication Areas
- Subway Entrance
- Partly Demolished Buildings
- Demolished Buildings
- Built-Up Area with Fireproof Buildings Predominant
- Built-Up Area with Non-Fireproof Buildings Predominant
- Individual Fireproof Building
- Prominent Industrial Building
- Individual Dwelling, Fireproof
- Ruins of an Individual Dwelling
- Factory or Mill Chimney
- Factory or Mill with Chimney
- Factory or Mill without Chimney
- Mine or Open Pit Mine
- Operating Shaft or Mine
- Non-Operating Shaft or Mine
- Salt Mine
- Tailings Pile
- Pit
- Stone Quarry
- Gas Pump or Service Station
- Fuel Storage or Natural Gas Tank
- Oil or Natural Gas Derrick
- Small Hydroelectric Power Station
- Power Station
- Transformer Station
- Cemetery
- Burial Mound (height in metres)
- Triangulation Point on Burial Mound
- Triangulation Point
- Bench Mark
- Bench Mark (monumented)
- Telegraph Office
- Telephone Station
- Radio Station
- Radio Tower
- Airfield or Seaplane Base
- Landing Strip
- Main Highway
- Highway under Construction
- Improved Dirt Road (former truck road)
- Double-track Railroad with First Class Station
- Dismantled Railroad
- Railroad Under Construction
- Shore Embankment
- River or Ditch with Embankment
- Well
- Water Reservoir or Rain Water Pit
- Spring
- Isobath with value
- Heavy (Index) Contour Line
- Contour Line and Value
- Half Contour Line
- Spot Elevation Value
- Coniferous
- Deciduous
- Mixed
- Scrub

Key to Numbers on Mapping

TQ38_London

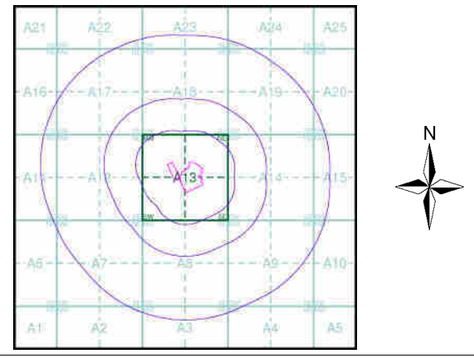
No.	Description
79	Factory (Gas)

ALBURY S.I. LTD
Geotechnical & Environmental

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Middlesex	1:10,560	1873	3
Middlesex	1:10,560	1879	4
London	1:10,560	1896	5
Essex	1:10,560	1920	6
Essex	1:10,560	1938	7
Historical Aerial Photography	1:10,560	1945 - 1950	8
Ordnance Survey Plan	1:10,000	1951 - 1952	9
Ordnance Survey Plan	1:10,000	1958	10
Ordnance Survey Plan	1:10,000	1962 - 1968	11
Ordnance Survey Plan	1:10,000	1967	12
Ordnance Survey Plan	1:10,000	1973 - 1976	13
Ordnance Survey Plan	1:10,000	1981 - 1984	14
London	1:25,000	1985	15
Ordnance Survey Plan	1:10,000	1989	16
Ordnance Survey Plan	1:10,000	1990 - 1996	17
10K Raster Mapping	1:10,000	1999	18
Historical Aerial Photography	1:10,000	1999	19
10K Raster Mapping	1:10,000	2006	20
VectorMap Local	1:10,000	2016	21

Russian Map - Slice A



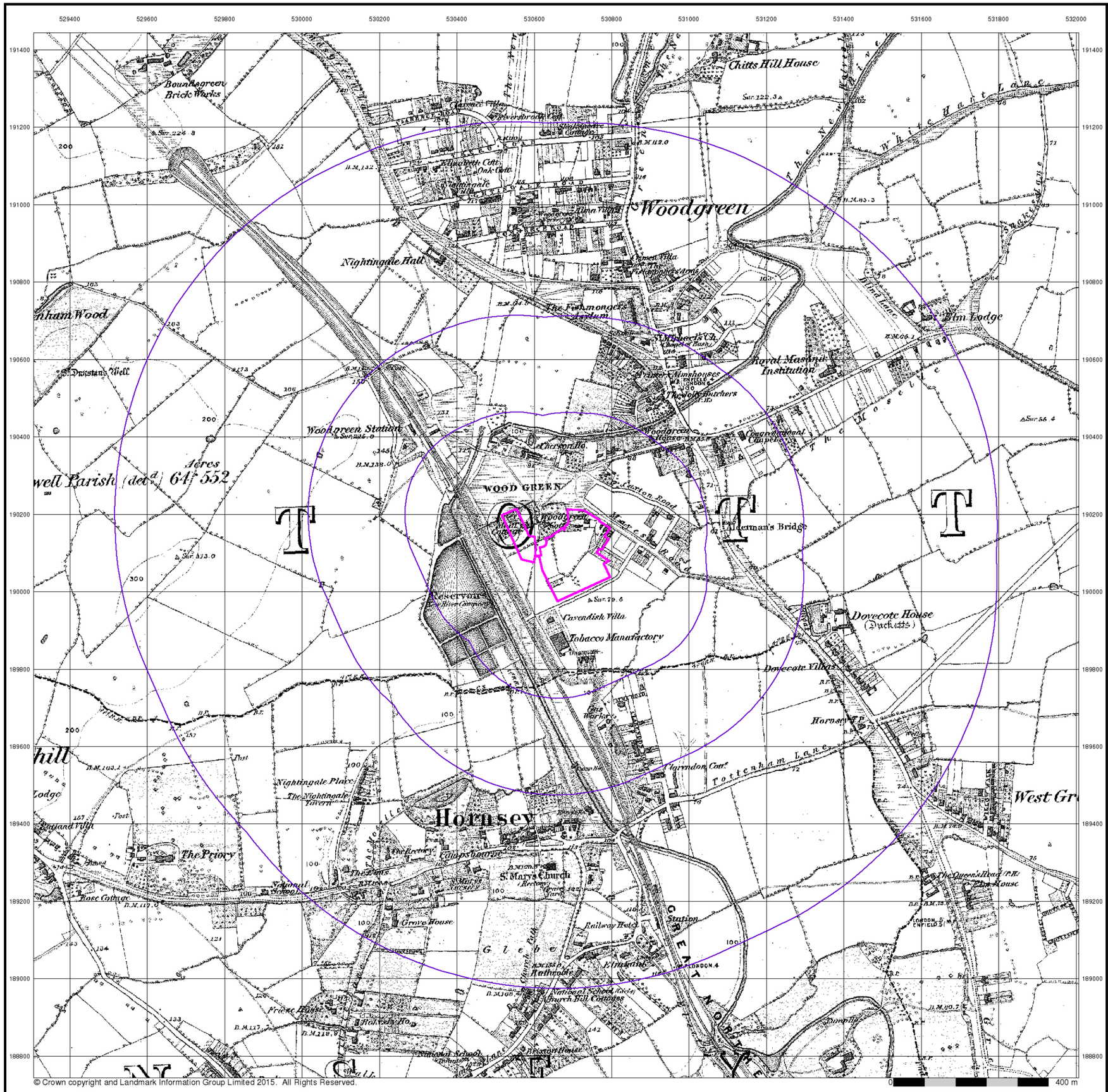
Order Details

Order Number: 89415340_1_1
Customer Ref: 16/10755/GO
National Grid Reference: 530670, 190110
Slice: A
Site Area (Ha): 3.47
Search Buffer (m): 1000

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



ALBURY S.I. LTD
Geotechnical & Environmental

Middlesex

Published 1873

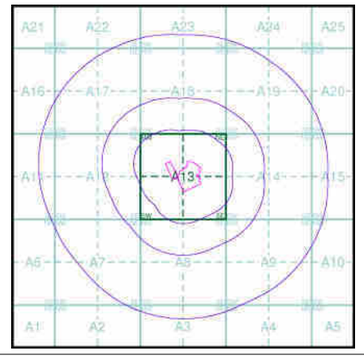
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

01200
1873
1:10,560

Historical Map - Slice A



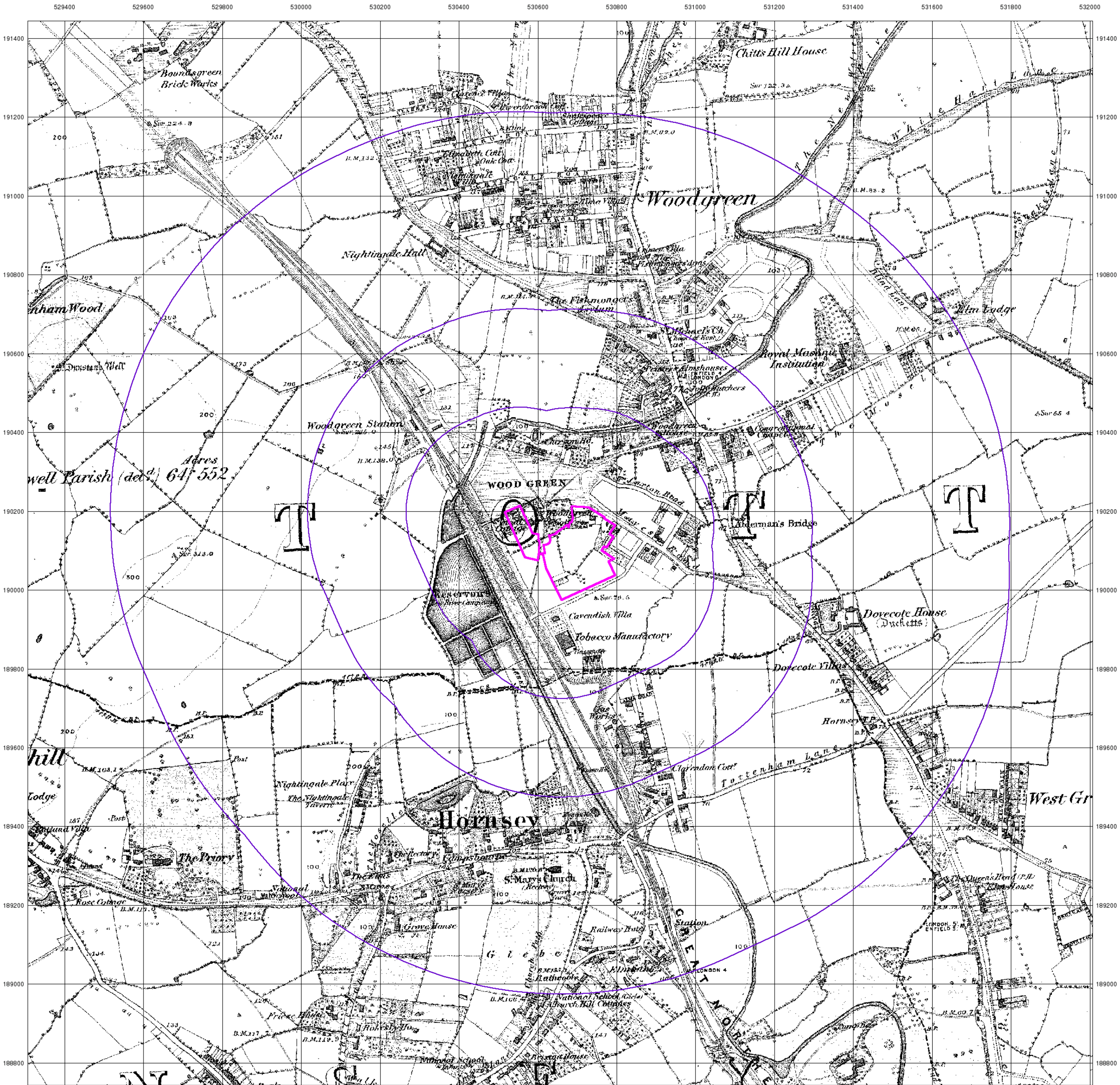
Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	1000

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

ALBURY S.I. LTD
Geotechnical & Environmental

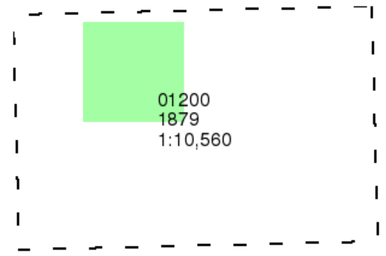
Middlesex

Published 1879

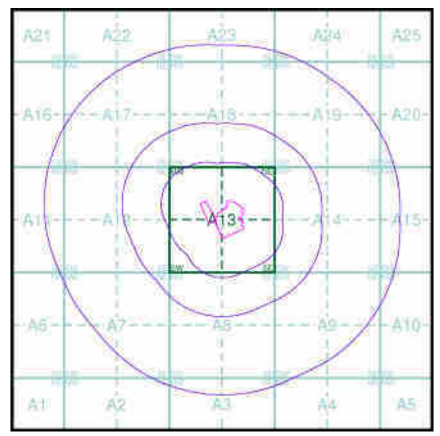
Source map scale - 1:10,560

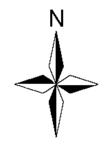
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A





Order Details

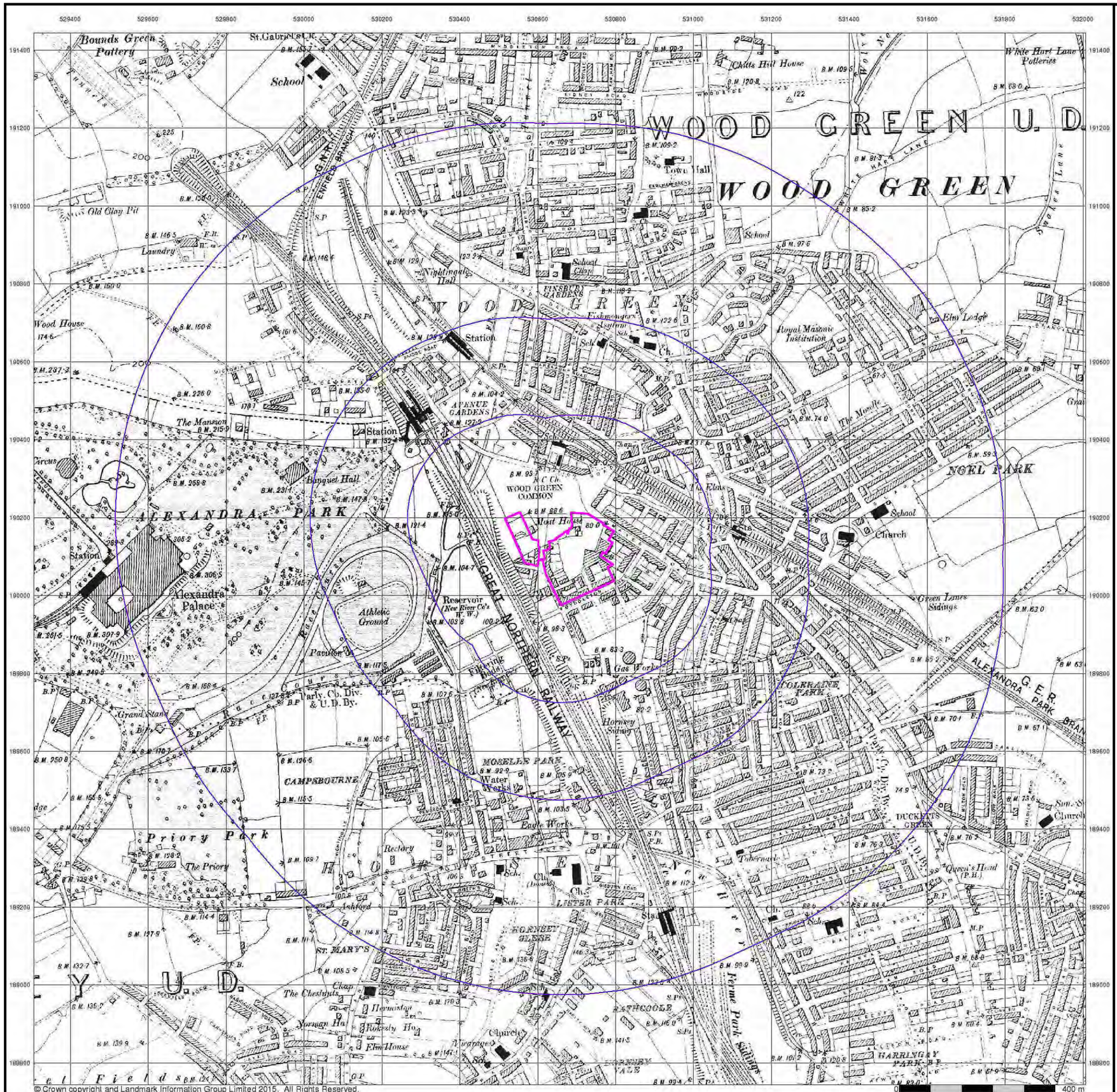
Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	1000

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

ALBURY S.I. LTD
Geotechnical & Environmental

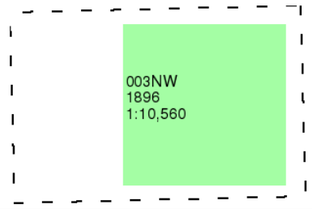
London

Published 1896

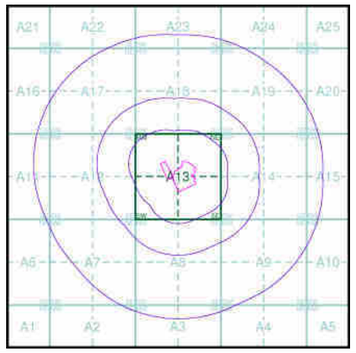
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



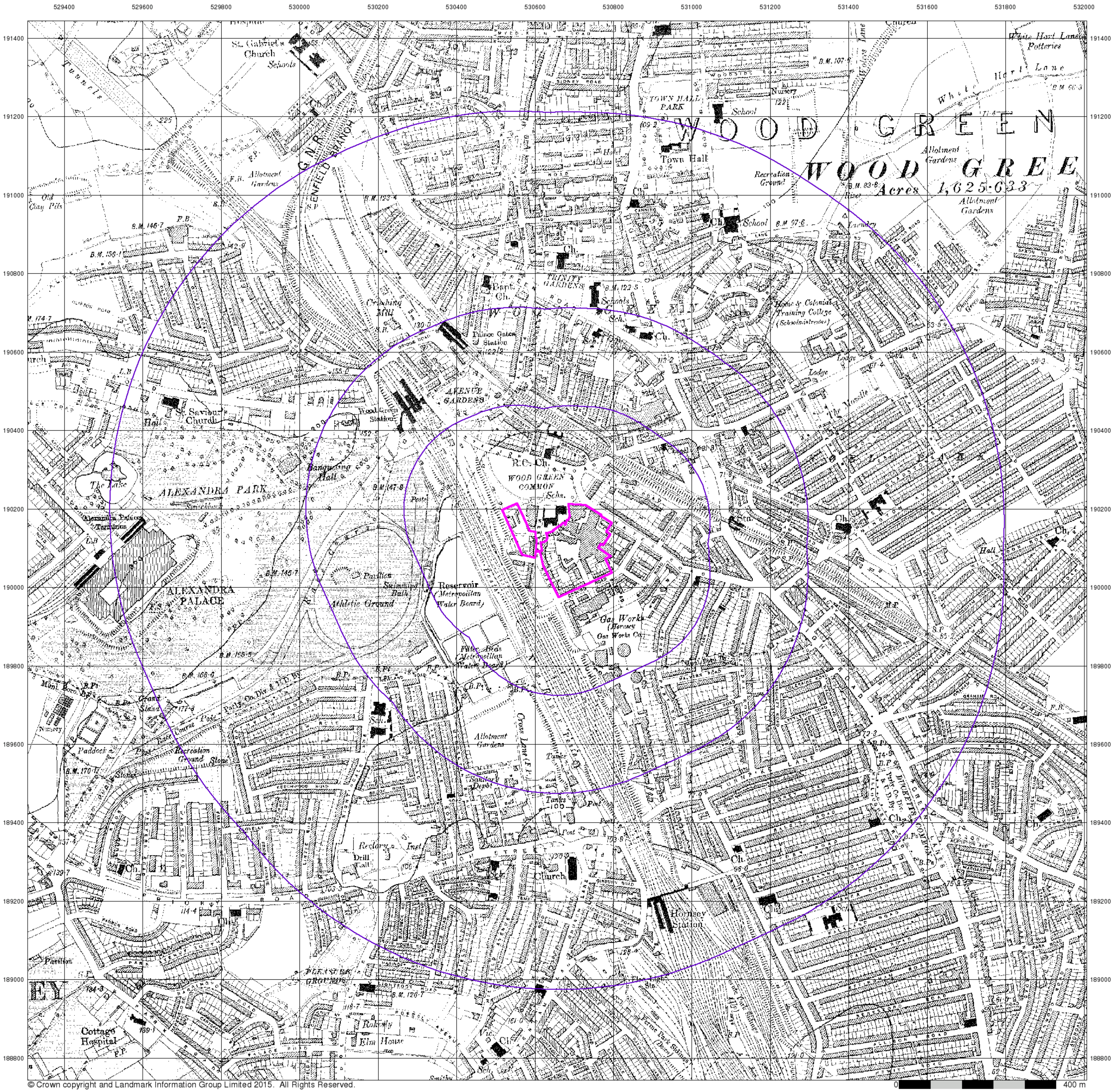
Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	1000

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

ALBURY S.I. LTD
Geotechnical & Environmental

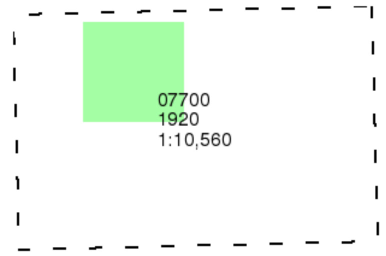
Essex

Published 1920

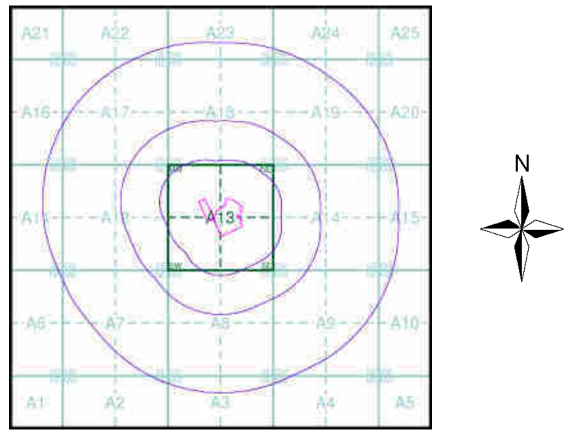
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

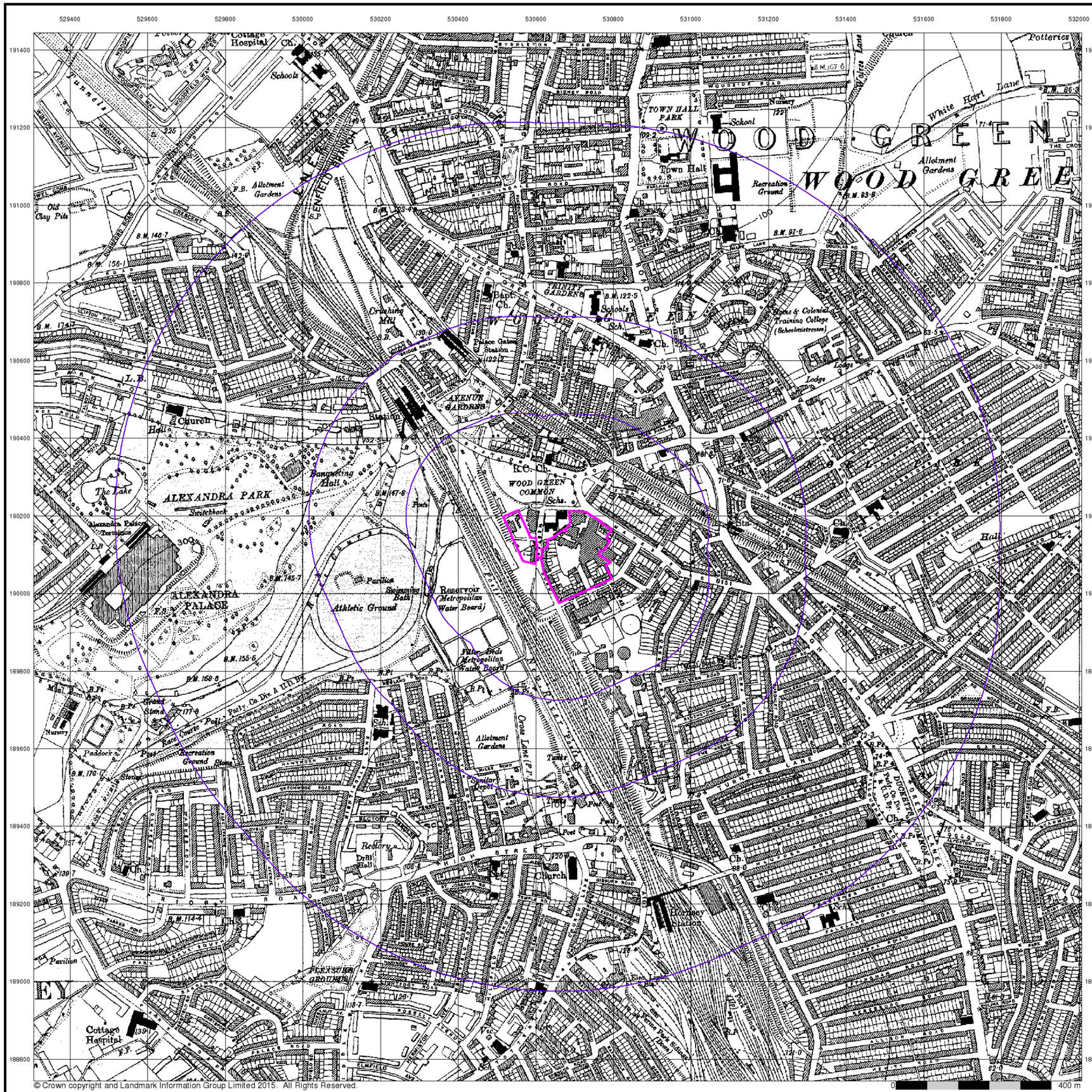
Order Number: 89415340_1_1
Customer Ref: 16/10755/GO
National Grid Reference: 530670, 190110
Slice: A
Site Area (Ha): 3.47
Search Buffer (m): 1000

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



ALBURY S.I. LTD
Geotechnical & Environmental

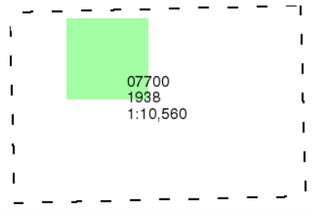
Essex

Published 1938

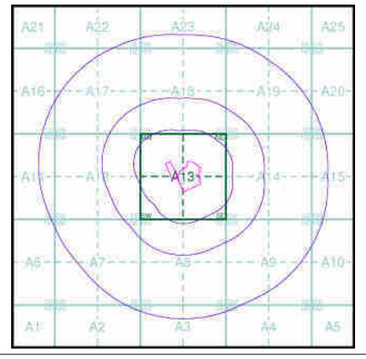
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	1000

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



ALBURY S.I. LTD
Geotechnical & Environmental

Historical Aerial Photography

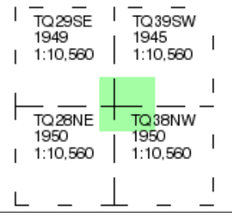
Published 1945 - 1950

Source map scale - 1:10,560

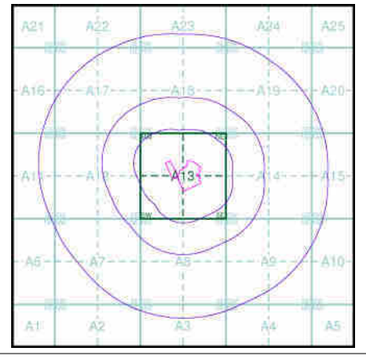
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 1950's meant that every photograph was re-checked for potentially unsafe information with security sites replaced by fake fields or clouds. The original editions were withdrawn and only later made available after a period of fifty years although due to the accuracy of the editing, without viewing both revisions it is not easy to spot the edits. Where available Landmark have included both revisions.

© Landmark Information Group and/or Data Suppliers 2010.

Map Name(s) and Date(s)



Historical Aerial Photography - Slice A



BRITISH LIBRARY

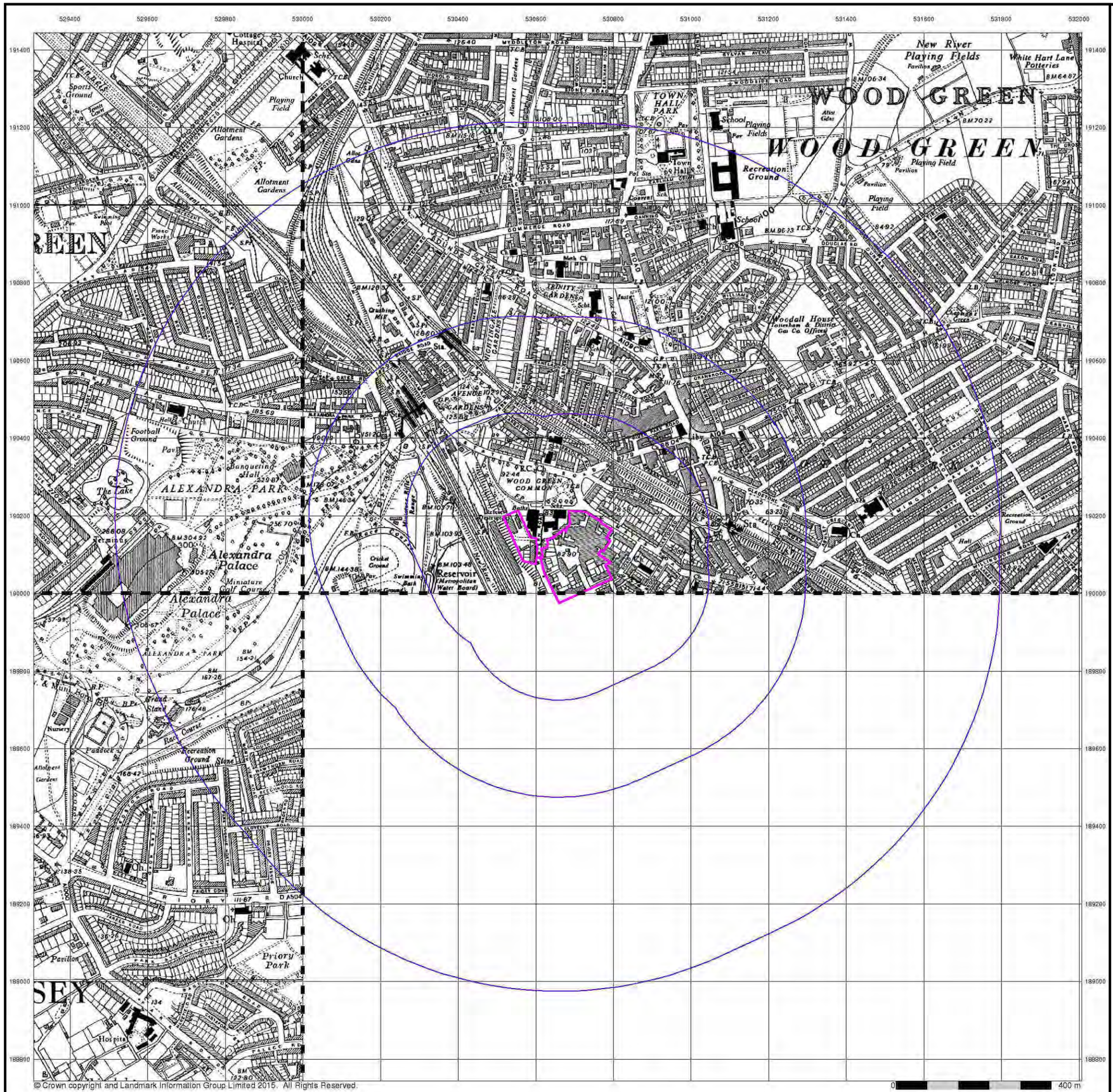
Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	1000

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

0 400 m

ALBURY S.I. LTD
Geotechnical & Environmental

Ordnance Survey Plan

Published 1951 - 1952

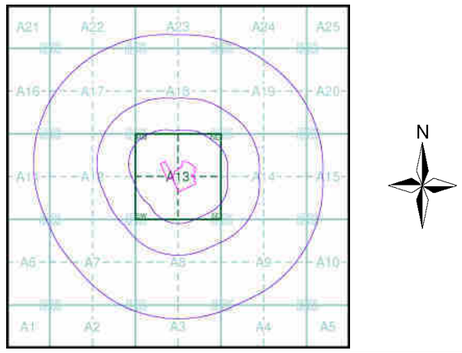
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

TQ29SE 1951 1:10,560
TQ39SW 1952 1:10,560
TQ28NE 1951 1:10,560

Historical Map - Slice A



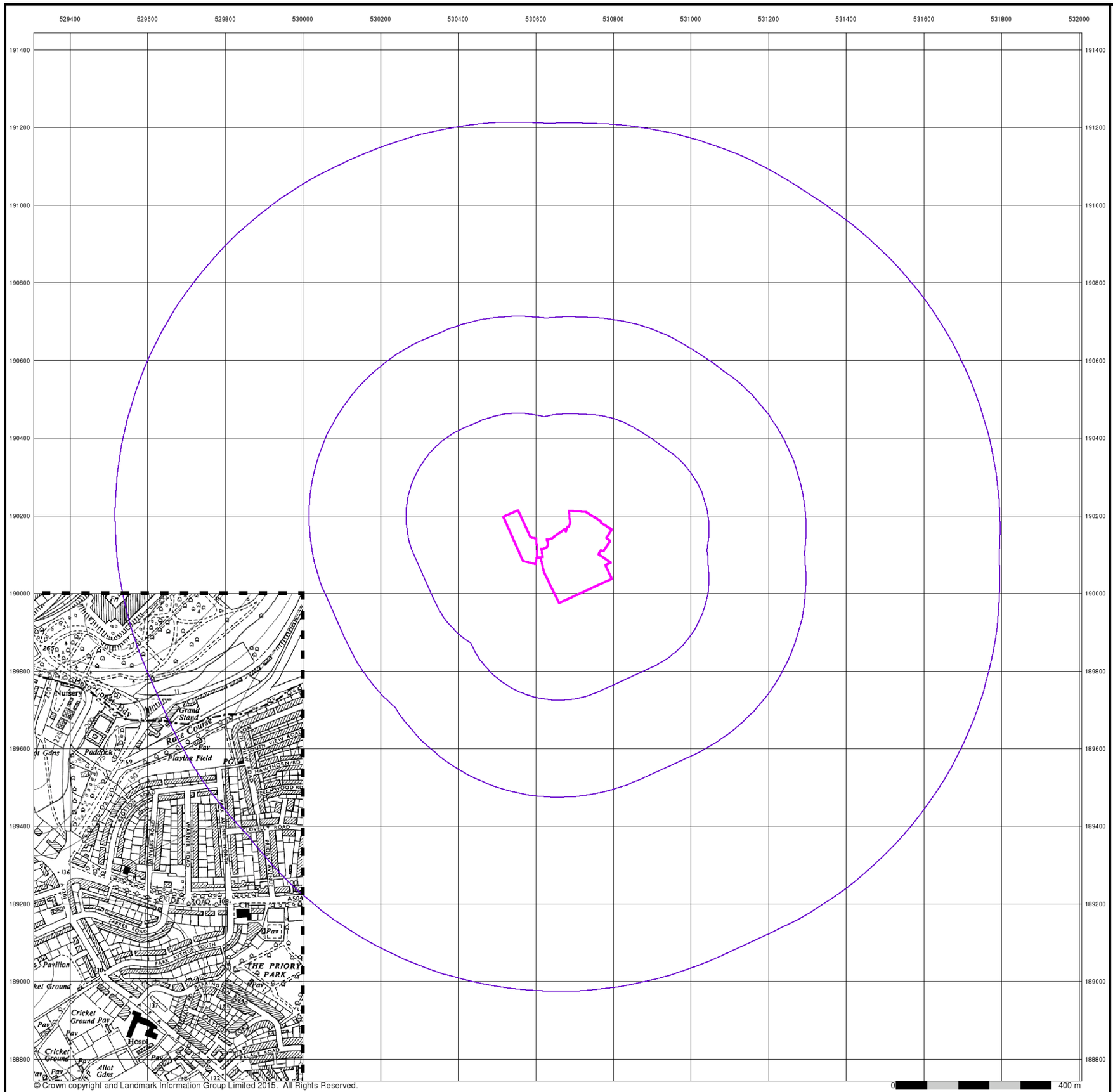
Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	1000

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

ALBURY S.I. LTD
Geotechnical & Environmental

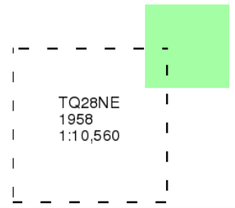
Ordnance Survey Plan

Published 1958

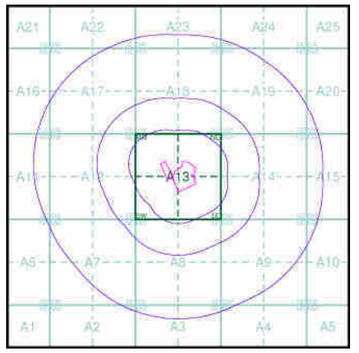
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



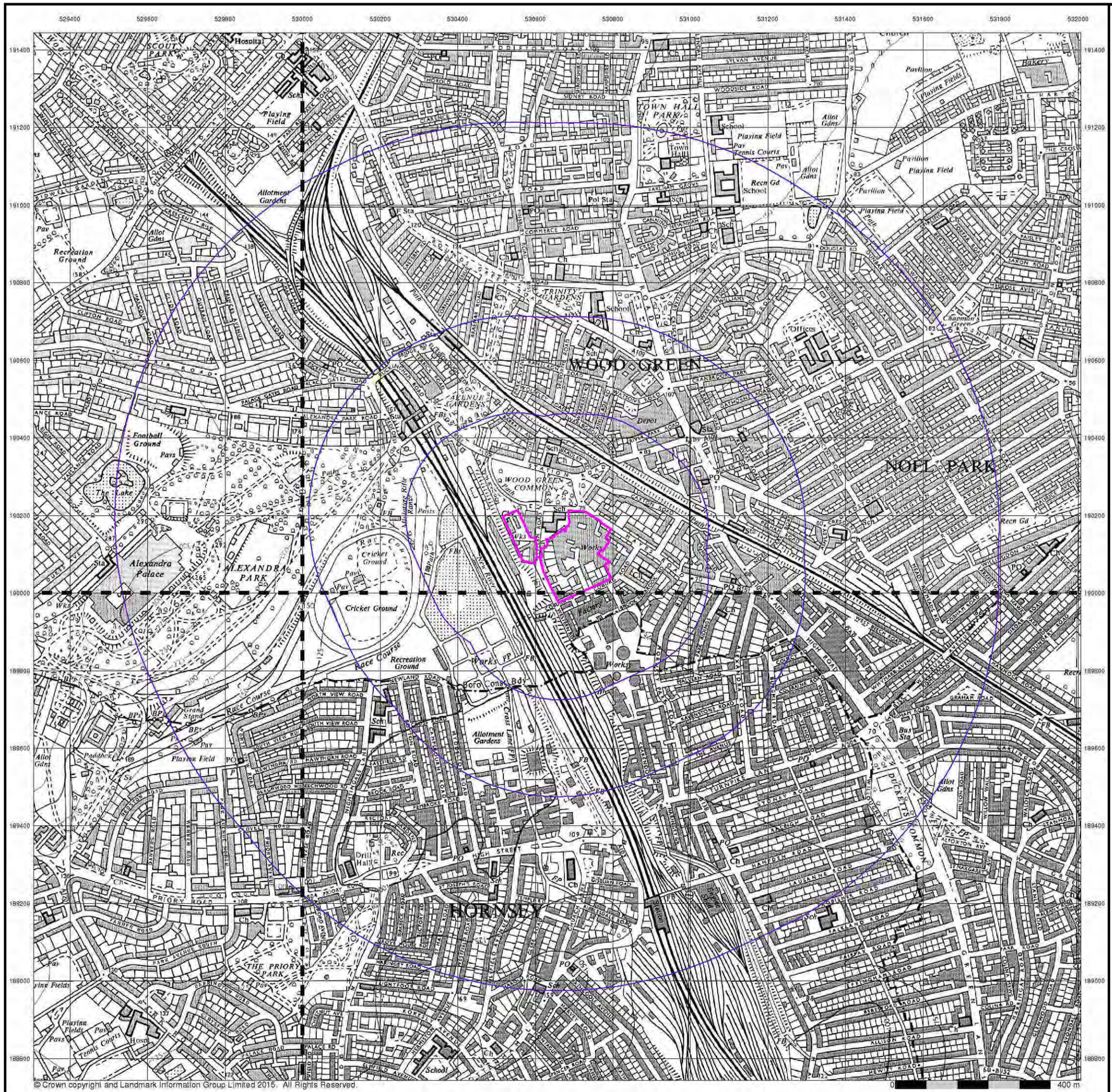
Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	1000

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

ALBURY S.I. LTD
Geotechnical & Environmental

Ordnance Survey Plan

Published 1962 - 1968

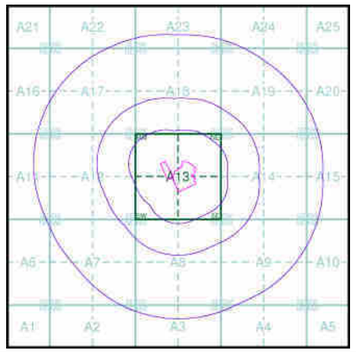
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

TQ29SE 1962 1:10,560	TQ39SW 1966 1:10,560
TQ28NE 1968 1:10,560	TQ38NW 1962 1:10,560

Historical Map - Slice A

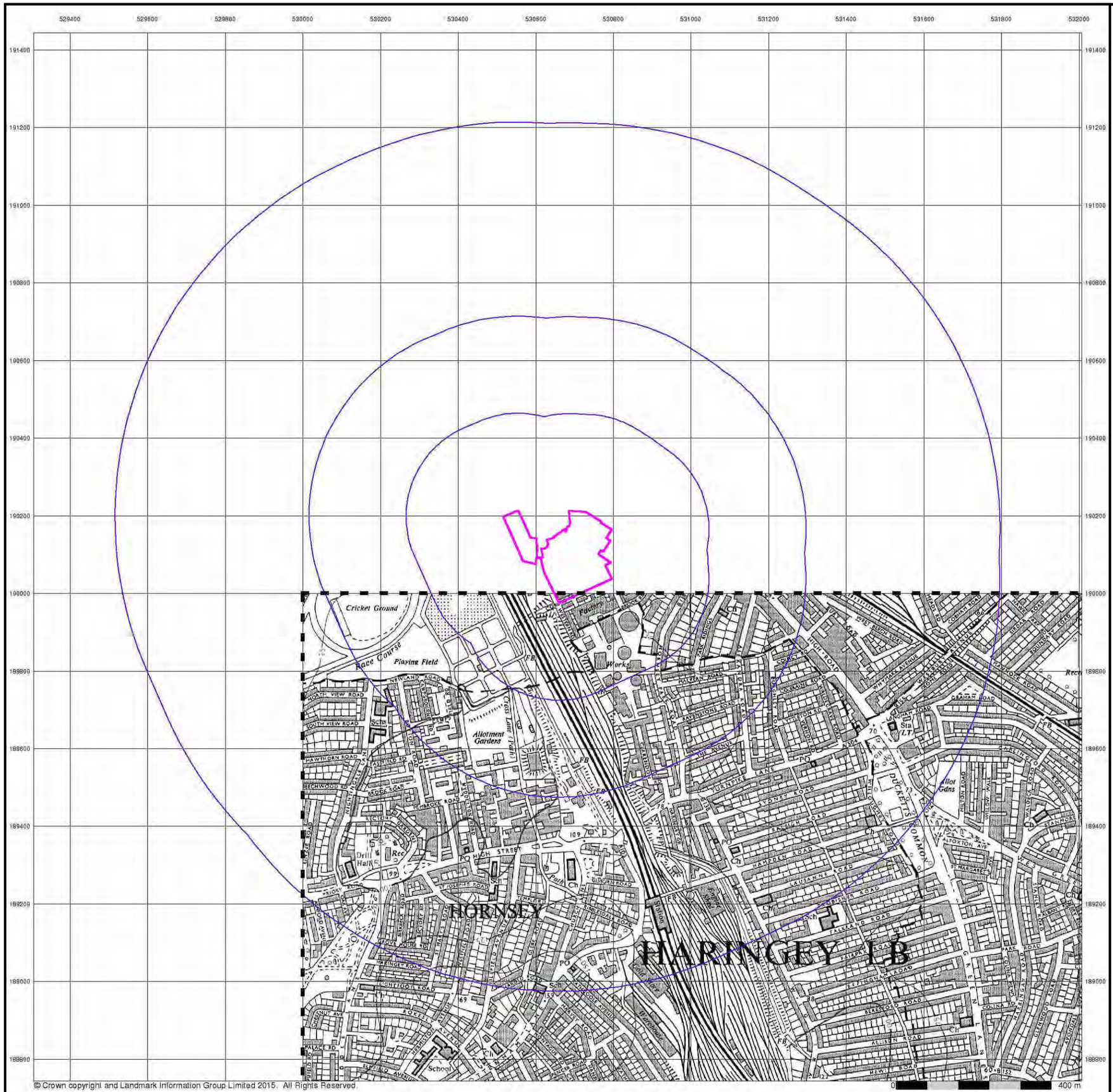


Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	1000

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

ALBURY S.I. LTD
Geotechnical & Environmental

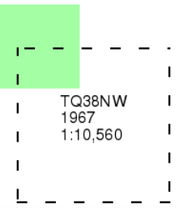
Ordnance Survey Plan

Published 1967

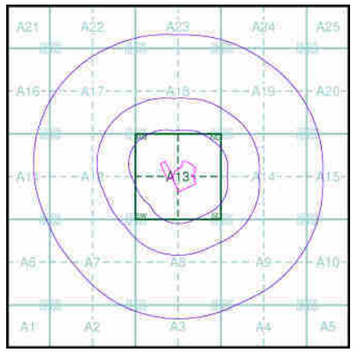
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



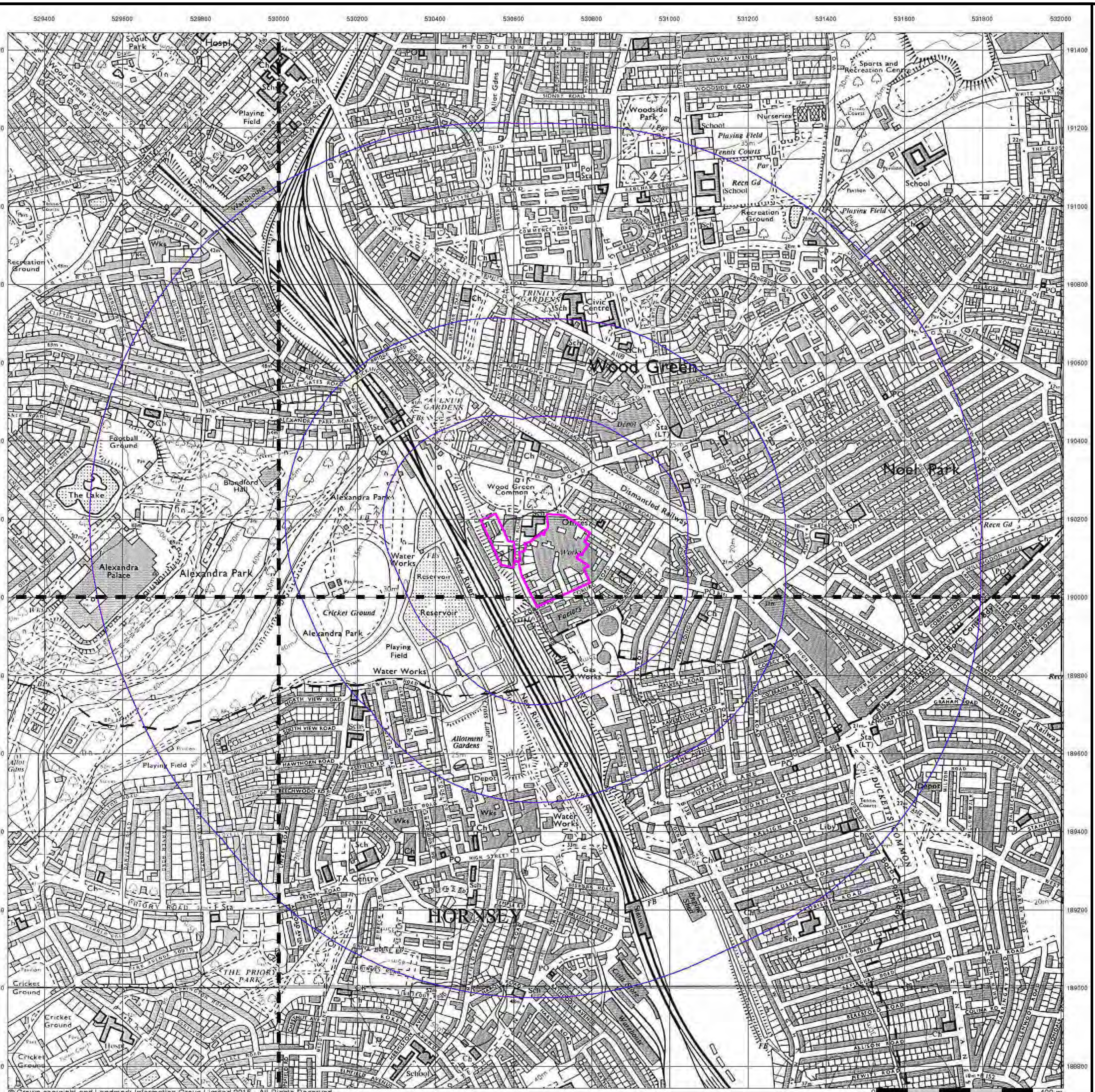
Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	1000

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

ALBURY S.I. LTD
Geotechnical & Environmental

Ordnance Survey Plan

Published 1973 - 1976

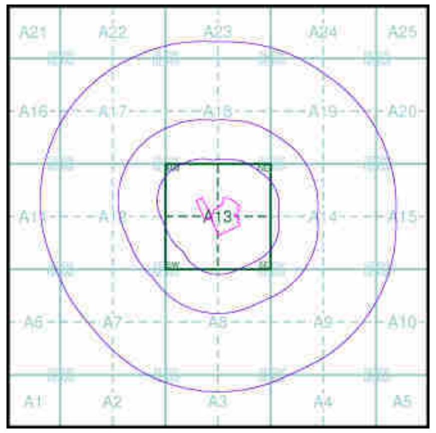
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

TQ29SE 1973 1:10,000	TQ39SW 1975 1:10,000
TQ28NE 1976 1:10,000	TQ38NW 1975 1:10,000

Historical Map - Slice A



Order Details

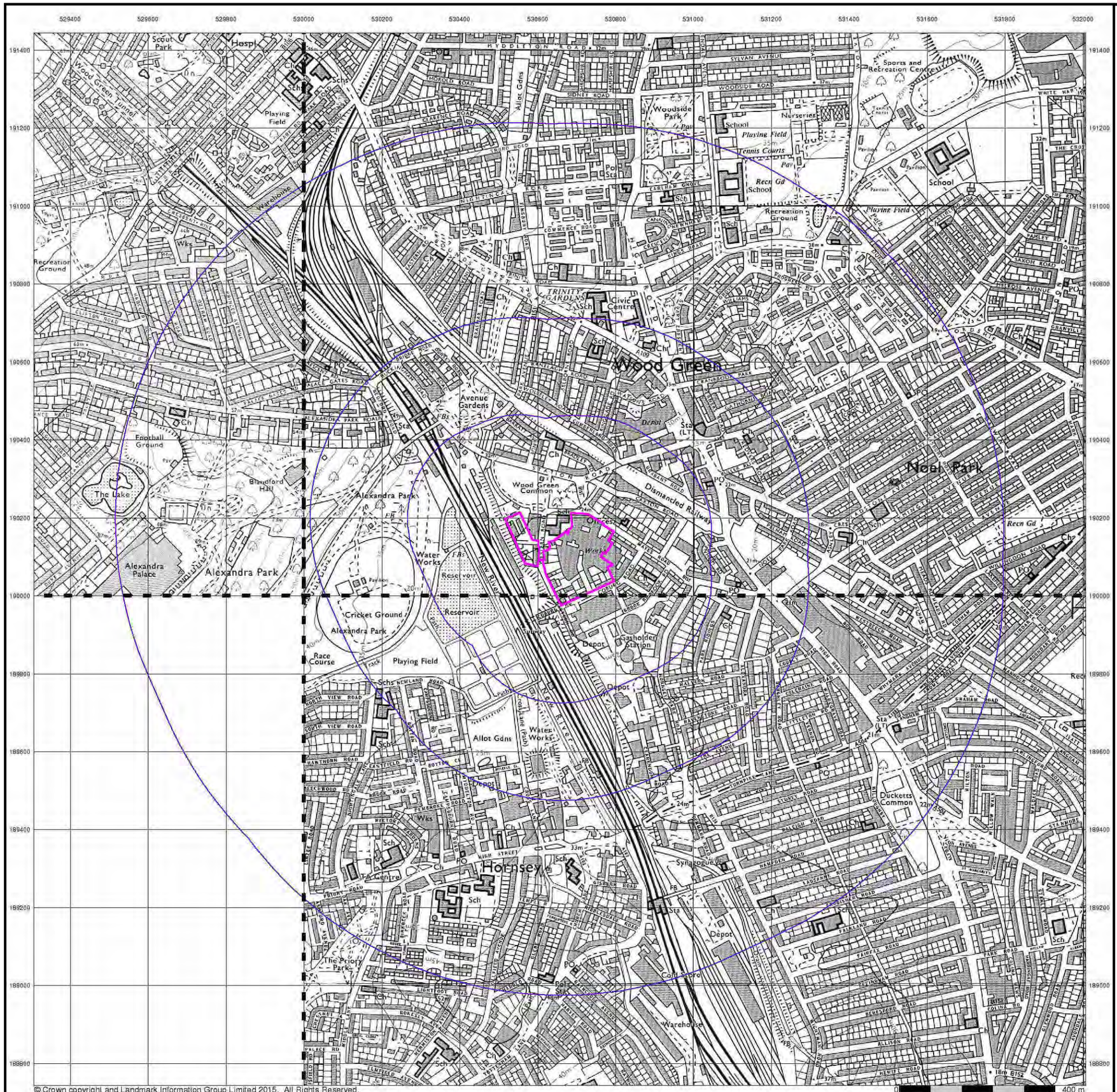
Order Number: 89415340_1_1
Customer Ref: 16/10755/GO
National Grid Reference: 530670, 190110
Slice: A
Site Area (Ha): 3.47
Search Buffer (m): 1000

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

ALBURY S.I. LTD
Geotechnical & Environmental

Ordnance Survey Plan

Published 1981 - 1984

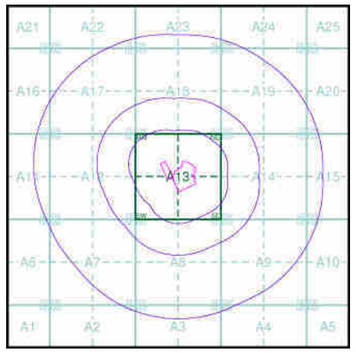
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

TQ29SE 1981 1:10,000
TQ39SW 1983 1:10,000
TQ38NW 1984 1:10,000

Historical Map - Slice A



Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	1000

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



ALBURY S.I. LTD
Geotechnical & Environmental

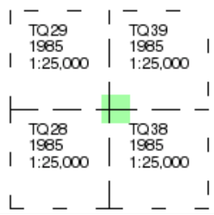
London

Published 1985

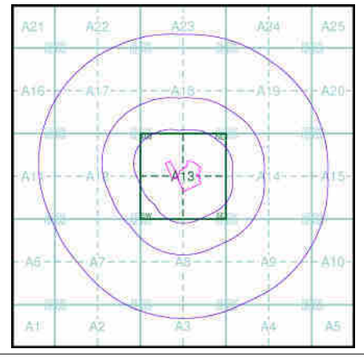
Source map scale - 1:25,000

These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use.
They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

Map Name(s) and Date(s)



Russian Map - Slice A



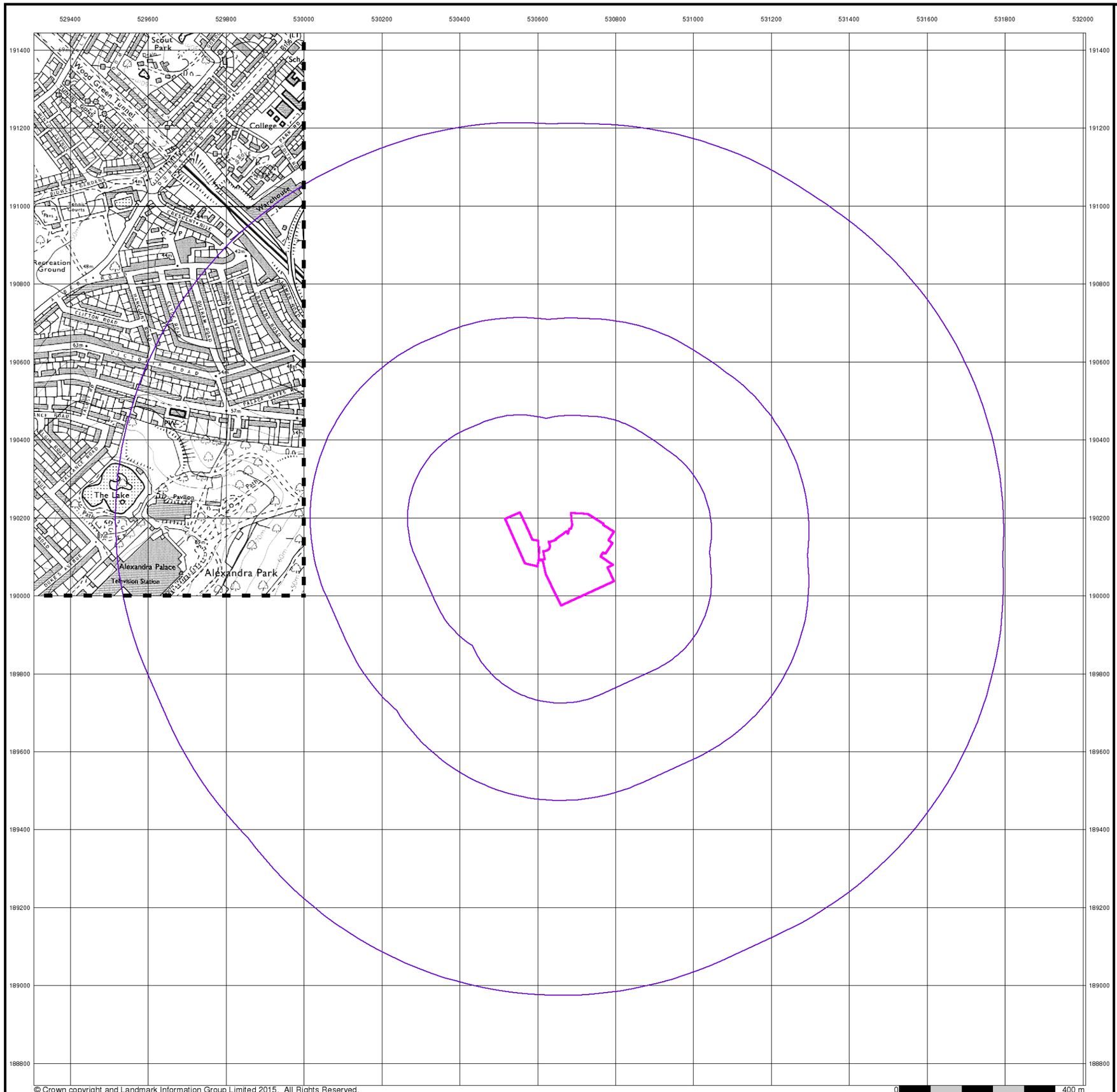
Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	1000

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



ALBURY S.I. LTD
Geotechnical & Environmental

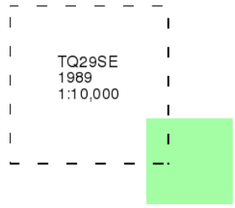
Ordnance Survey Plan

Published 1989

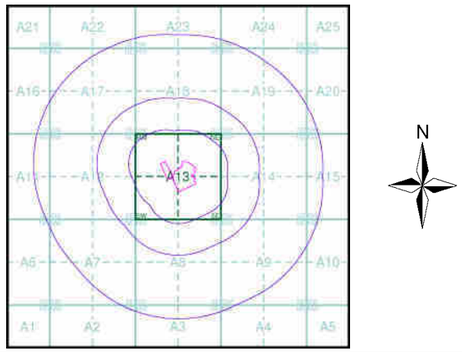
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



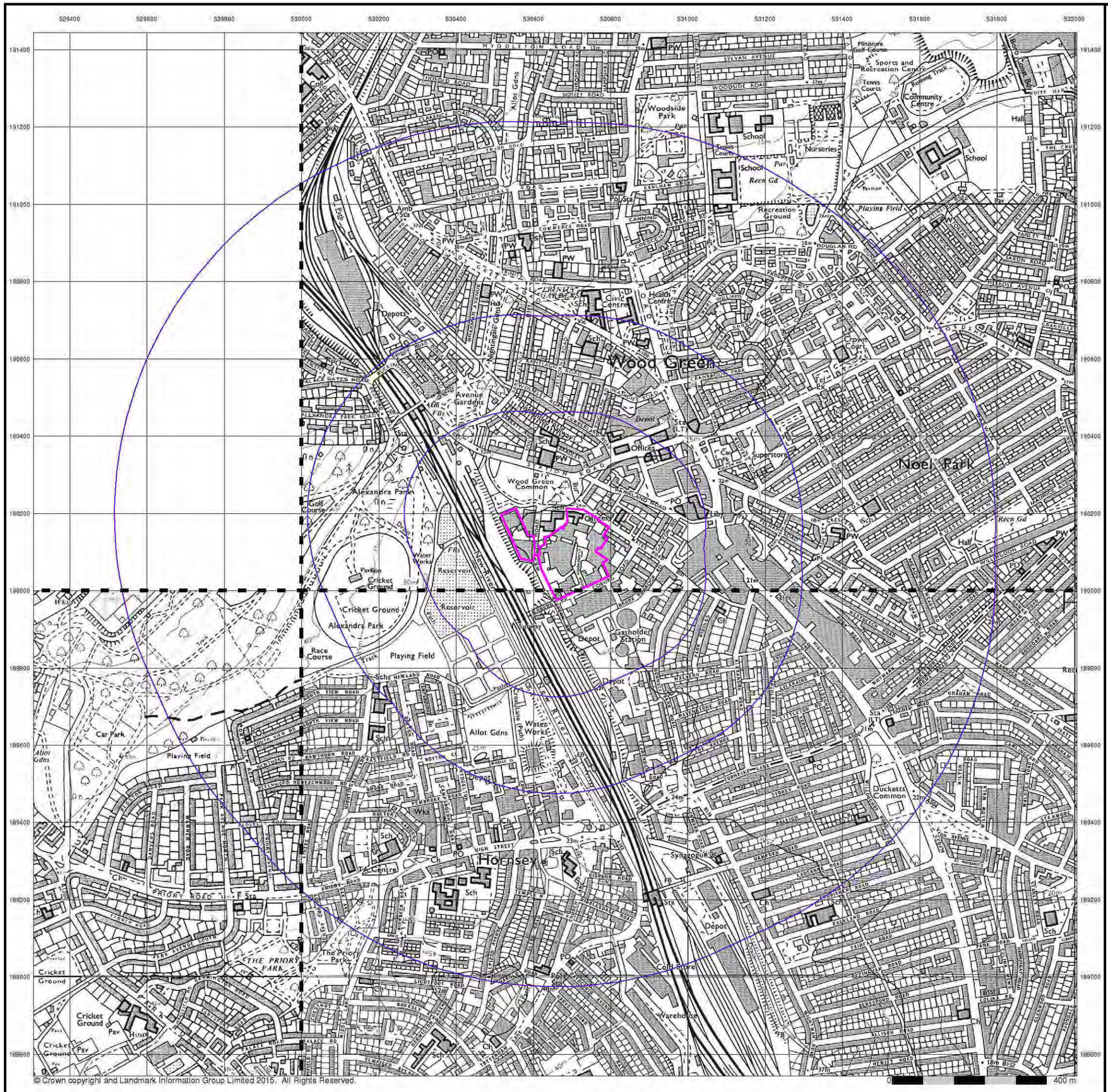
Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	1000

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

ALBURY S.I. LTD
Geotechnical & Environmental

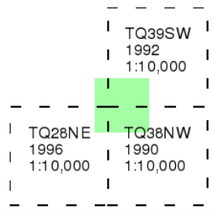
Ordnance Survey Plan

Published 1990 - 1996

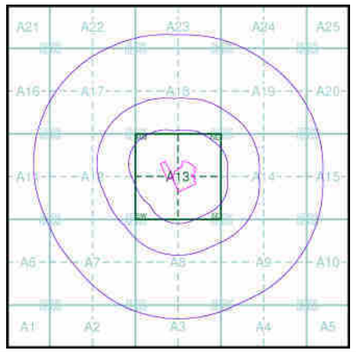
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



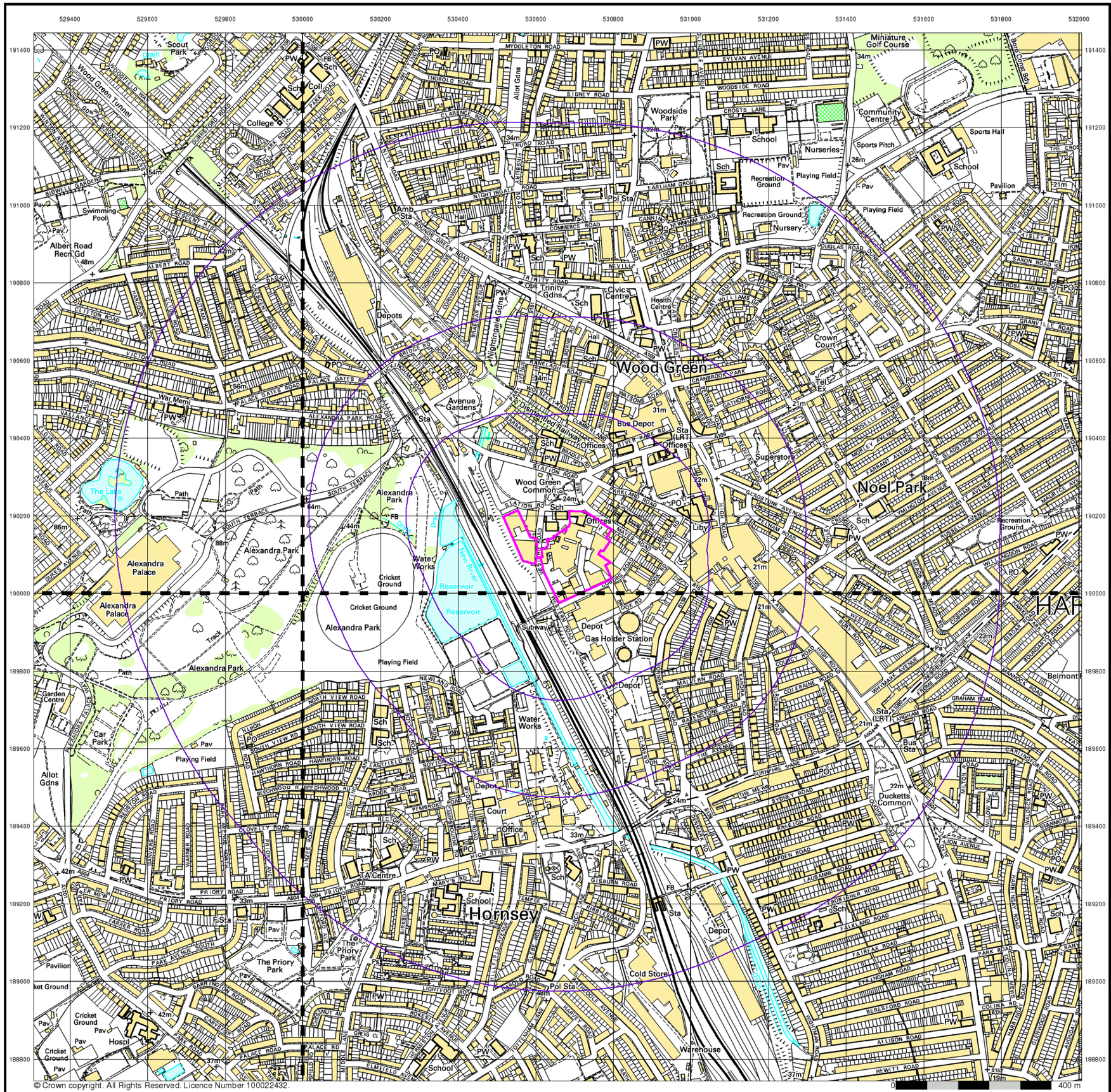
Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	1000

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright. All Rights Reserved. Licence Number 100022432.

0 400 m

ALBURY S.I. LTD
Geotechnical & Environmental

10k Raster Mapping

Published 1999

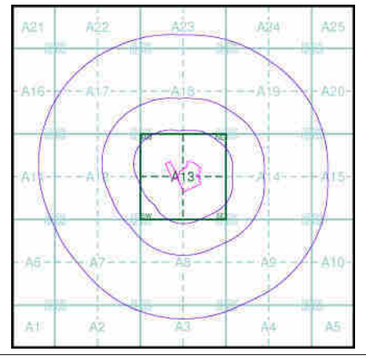
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey`s 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)

TQ29SE 1999 1:10,000	TQ39SW 1999 1:10,000
TQ28NE 1999 1:10,000	TQ38NW 1999 1:10,000

Historical Map - Slice A



Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	1000

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



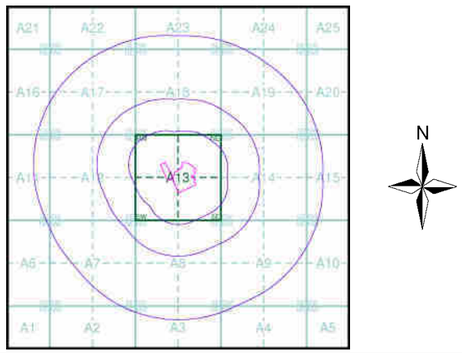
ALBURY S.I. LTD
Geotechnical & Environmental

Historical Aerial Photography

Published 1999

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Slice A



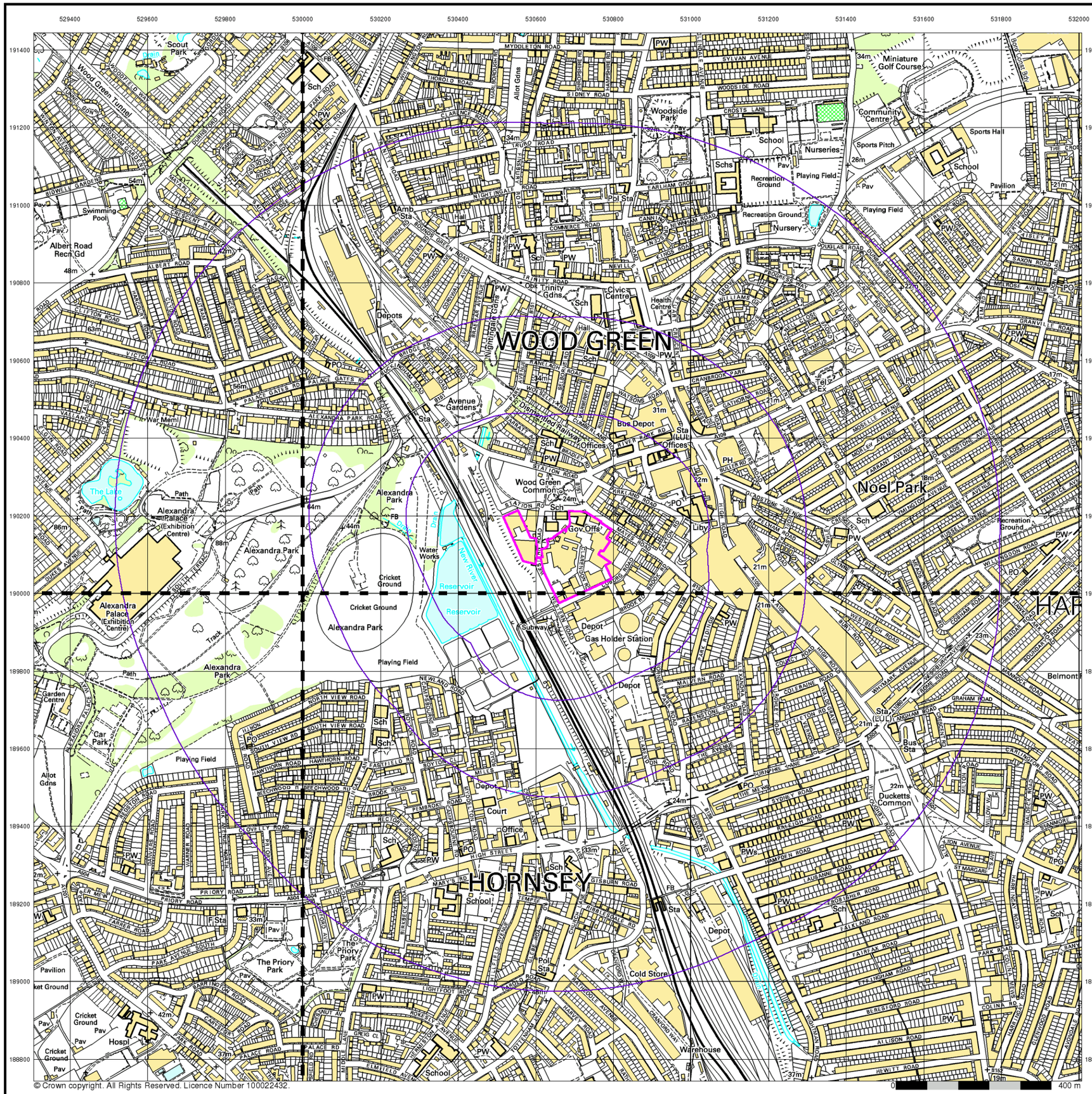
Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	1000

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



ALBURY S.I. LTD
Geotechnical & Environmental

10k Raster Mapping

Published 2006

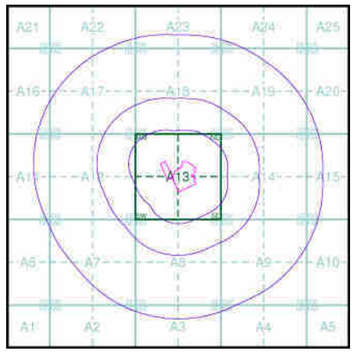
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey`s 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)

TQ29SE 2006 1:10,000	TQ39SW 2006 1:10,000
TQ28NE 2006 1:10,000	TQ38NW 2006 1:10,000

Historical Map - Slice A



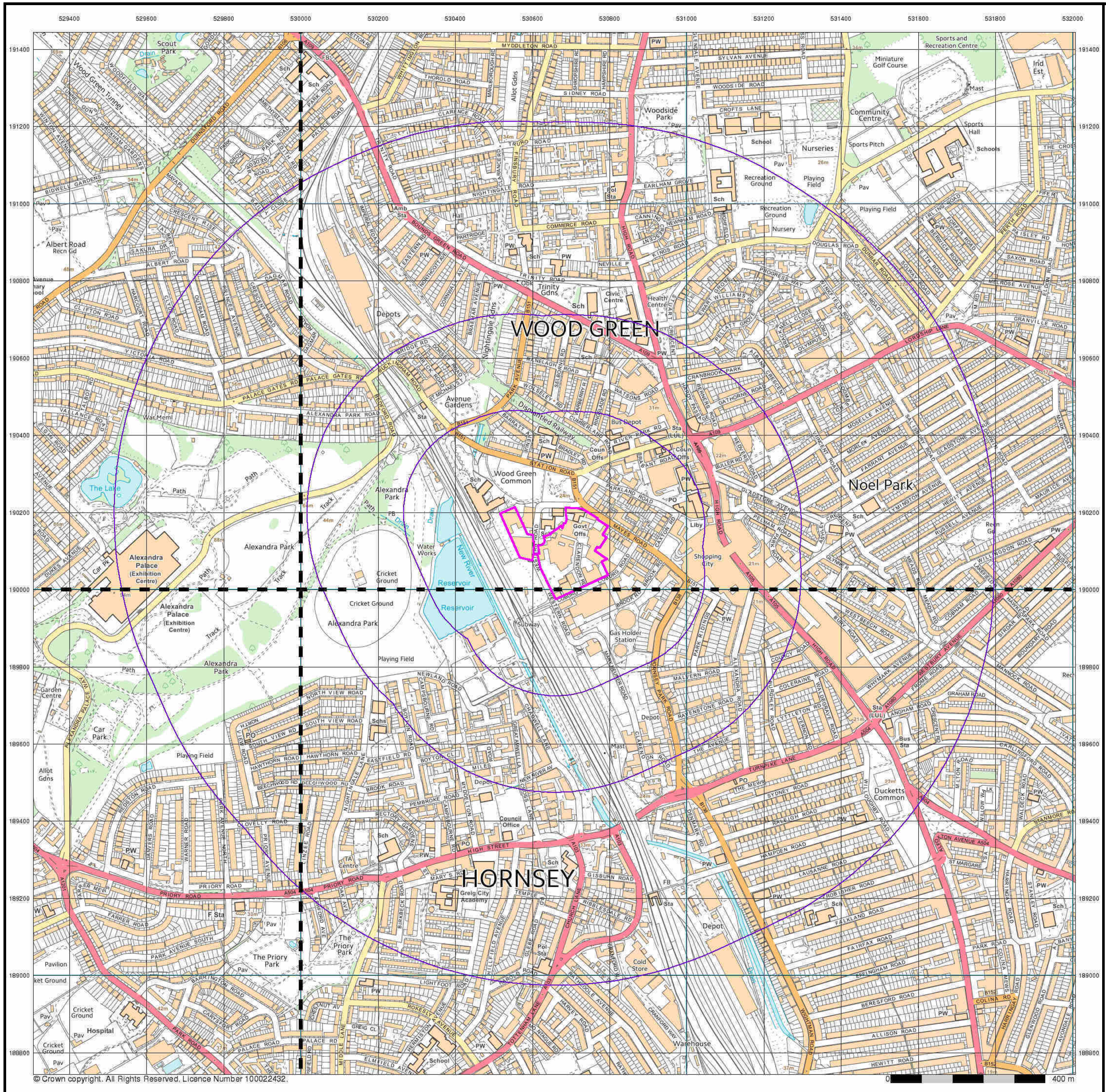
Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	1000

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



ALBURY S.I. LTD
Geotechnical & Environmental

VectorMap Local

Published 2016

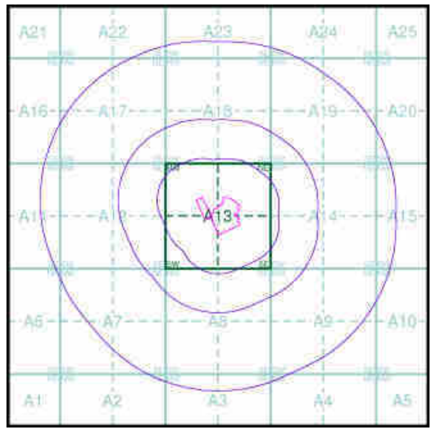
Source map scale - 1:10,000

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities),1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

Map Name(s) and Date(s)

TQ29SE 2016 Variable	TQ39SW 2016 Variable
TQ28NE 2016 Variable	TQ38NW 2016 Variable

Historical Map - Slice A



Order Details

Order Number:	89415340_1_1
Customer Ref:	16/10755/GO
National Grid Reference:	530670, 190110
Slice:	A
Site Area (Ha):	3.47
Search Buffer (m):	1000

Site Details

The Chocolate Factory, Wood Green, LONDON, N22 6XJ

Landmark
Information Group

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

APPENDIX 2

LOCAL AUTHORITY RESPONSE

Environmental Services and Community Safety
Tracie Evans – Chief Operating Officer

Haringey LONDON

Mr G Owens
Albury S.I
Miltons Yard
Petworth Road
Witley
Godalming
Surrey GU8 5LH

Date: 18th July 2016
Your ref: 16/10755/GO
Our ref:

Dear George,

Re: The Chocolate Factory, Wood Green, LONDON, N22 6XJ

I write further to email correspondence regarding an Environmental Search enquiry for the above property.

My response to your queries is as follows:

- The subject site has not been identified for further inspection under the Local Authority's Contaminated Land Inspection Strategy.
- The site has not been determined as 'Contaminated Land' under Part IIA of the Environmental Protection Act 1990.
- This service holds no records of site investigations for contaminated land at the subject site.
- This service does not hold any records of any past pollution incidents on the subject site.

Yours sincerely

Alison Bell.
Lead Officer - Pollution.

Regulatory Services
Alexandra House
6th Floor, 10 Station Road
Wood Green

T: 0208 489 1000
E: Alison.Bell@Haringey.gov.uk

www.haringey.gov.uk

Appendix B – Flood Risk Assessment



Flood Risk Assessment

The Chocolate Factory, Clarendon Road

Wood Green, London N22 6XJ

Client

Furness & Partnership
20 Britton Street
London
EC1M 5TX
Ref: 6079
Date: November 2016

Consulting Engineers

GTA Civils Ltd
66a Church Walk
Burgess Hill
West Sussex RH15 9AS
Tel: 01444 871444
Fax: 01444 871401

Index

Executive Summary

1 Introduction 3

2 Existing Site and Current Flood Conditions 4

3 Proposed Development, 'The Sequential Test' & Mitigation 7

4 Drainage Strategy 9

5 Conclusions 11

Schedule of Appendices

A Site Location Map & Photos

B Topographic Survey & Sewer Records

C Environment Agency Flood & Groundwater Maps

D Proposed Scheme Drawings Including Drainage Strategy

E Micro Drainage Calculations

Issue	Issue date	Compiled	Checked
Preliminary Issue	07 November 2016	JP	MR
First Issue	08 November 2016	JP	MR
Second Issue	05 May 2017	JP	MR
Third Issue	06 October 2017	JP	MR

Report by: John Pakenham BSc (Hons)
Checked by: Martin Roberts I Eng, ACIWEM, MCIHT

Executive Summary

- The proposal is for partial demolition, conversion, extension and change of use (in part) of the Chocolate Factory buildings in Haringey. A mixed use development of residential and retail/commercial is proposed in 5 new-build blocks.

- The site is in fluvial Flood Zone 1, as indicated by the Environment Agency Flood Map, i.e. in an area having a low annual probability of flooding from fluvial sources.

- Much of the site is liable to flood in the extreme (1 in 1000 years) storm from surface water (overland flow) and the south half of the site is at risk if the nearby Hornsey Reservoir breaches.

- Other flood sources have been assessed – sewers, groundwater, and other artificial sources such as docks or canals. None of these were found to pose any additional risk.

- The assessed flood risk from surface water and reservoir failure will be mitigated by providing a passive flood barrier to each external door. This will protect up to 0.8m above ground level.

- SUDS: to comply with NPPF, surface water drainage systems must be designed with sustainability in mind. The run-off rate should be limited to the current urbanised Q_{bar} green field rate.

- 216m^2 of green roof is proposed to the new-build roof areas.

- The surface water drainage strategy utilises 4 underground tanks to store the volume of water in the critical '1 in 100 years plus 30% climate change' storm event. This will be pumped to the surface water sewer, pumping needed due to the flat gradient of the site. The total offsite flow rate is 17.0l/s, this being the Q_{bar} runoff rate. The proposed drainage layout is shown in Appendix D.

- The foul drainage will be routed into the foul sewerage network, following a Section 106 application and permission from Thames Water.

1 Introduction

1.1 This report has been prepared for Furness & Partnership in relation to 'The Chocolate Factory', Clarendon Road, Wood Green, London N22 6XJ. No responsibility is accepted to any third party for all or part of this study in connection with this or any other development.

1.2 GTA Civils Ltd. was appointed by the client to provide a Flood Risk Assessment (FRA) as required by the Environment Agency and Haringey Council in order to achieve Planning Approval at said property.

1.3 This report will take the form of a formal Flood Risk Assessment in accordance with the 2012 National Planning Policy Framework (NPPF) and the associated Technical Guidance document, both contained within the 2014 Planning Practice Guidance (PPG). Reference has also been made to the Surface Water Management Plan and Strategic Flood Risk Assessment published by Haringey Council.

1.4 The second and third versions of this report have been prepared following significant revisions to the proposed scheme.

2 Existing Site and Current Flood Conditions

2.1 The application site lies to the west of Wood Green, which is administered by London Borough of Haringey Council (LBHC). The site area is 1.37ha and the main access point is from Clarendon Road. It is also bounded by highways. A site location map and aerial views of the site are shown in Appendix A.

2.2 The site comprises non-residential buildings and the site is all but impermeable.

2.3 The existing – urbanised - greenfield runoff rates from site have been calculated using Micro Drainage' ICP SUDS application – refer to Appendix E. There are three distinct catchments within the site and so the existing site's runoff rates have been calculated for each of these:

Catchment:	AT1	AT2	AT3
Area (ha):	0.277	0.411	0.17
Qbar – urban (l/s)	3.8	5.7	2.4
Q1	3.3	4.8	2.0
Q30	6.7	9.9	4.1
Q100	7.8	11.5	4.8

2.4 Hornsey Reservoir is located in Alexandra Park to the west of the railway tracks that are close to the western boundary. The River New flows southwards between the railway and reservoir. The Mosell Brook, which is culverted in this area, flows to the south of the site. Neither of these pose a fluvial flood risk to this site.

2.5 A topographical survey of the existing site has been conducted, with levels above Ordnance Datum (AOD). The site's levels range between approximately 25.5m AOD and 23.0m AOD with a very low gradient west to east.

2.6 Geology: the BGS online map shows that the site's solid geology is London Clay (clay, silt and sand). There are no records of drift deposits. The site is removed from the nearest Vulnerability Zones (aquifers). It overlies a Groundwater Source Protection Zone – Inner, however. Because of this mismatch it is contended that the Water Protection Zone relates to the reservoir, not groundwater. London Clay is not an aquifer, so the water must be at the surface.

2.7 A soil investigation report at the detailed design stage, that includes BRE 365 soakage tests, will be undertaken to confirm the soil's low infiltration rate.

2.8 Public sewers: Thames Water's sewer records for this area (see Appendix B) show that the site is served by both surface water and foul effluent sewers. These are also shown – with MH references – on the proposed drainage strategy layout in Appendix D.

2.9 Fluvial flooding: the Environment Agency's Flood Map in Appendix C shows the site lies in fluvial Flood Zone 1 (FZ1). Sites in FZ1 are susceptible to less than a 1 in 1000 chance (0.1%) of river flooding each year.

2.10 Tidal flooding: does not pose a risk due to the site's distance from the nearest shore and the absence of tidally influenced watercourses in this vicinity.

2.11 Surface water flooding: occurs when excess rainwater does not infiltrate into the ground, or is not intercepted by urban drainage systems, and instead flows across the surface. The EA's surface water flood map in the 'Low Risk' scenario ('1 in 1000 years' storm event) in Appendix C shows an overland flow route passing east and south through the site. The depth varies across the site: there are large areas up to 0.3m in depth and a significant swathe between 0.3m and 0.9m deep. By analysing the levels between the edges of the deeper shade of blue and within these deeper zones, it is clear that the levels do not vary by more than 0.2m, ie the maximum depth is 0.3 + 0.2 = 0.5m, not 0.9m as the map suggests at first.

2.12 Artificial sources: flooding from reservoirs, canals and docks. There are no docks or canals in this area. The EA's reservoir flooding map (in Appendix C) shows part of the site lying within the 'risk area' in the event of the Hornsey Reservoir breaching. Likelihood is very low, but consequences may be significant. Velocity and depth would be mitigated by the railway embankment – the flood pathway would be via the pedestrian underpass west of Coburg Road. That said, the EA's data show this is a significant threat however. Haringey SFRA states that "any development located within this outline should demonstrate that there is egress from the development outside the area of risk".

2.13 Groundwater flooding: occurs when water levels in the ground rise above the surface. The SFRA does not show any registered historical groundwater flooding incidents at or near to the site.

2.14 Sewer flooding: occurs due to limited capacity or blockage in the sewer system causing backing up of storm water and effluent. The flood maps in the Strategic Flood Risk Assessment (SFRA) commissioned by HBC show no record of this area having suffered from this source – or any other source.

2.15 Historical records: there is no indication in the SFRA that this area has suffered from flooding from any of the flood sources (groundwater, sewer failure or overland flow/surface water flooding).

2.16 The flood risk of the site is High: the site is liable to flood from surface water with an estimated maximum flood depth of 0.5m, as set out in section 2.11 above. The south half of the site is liable to flood in the event of Hornsey Reservoir breaching – see section 2.12.

3 Proposed Development, 'The Sequential Test' & Mitigation

3.1 The planning application is for partial demolition, conversion, extension and change of use (in part) of the Chocolate Factory buildings; demolition of the remaining buildings and redevelopment to create 4 new build blocks up to 16 storeys. Mixed use development comprising 9376 sq.m (GIA) of commercial floor space (A1, A3, B1, D1 and D2) and 216 residential units (C3), together with associated residential and commercial car parking, public realm works and access.

3.2 As summarised in section 2.16 the flood risk is 'high', primarily due to overland flow (surface water). Both this and the risk to the south half of the site from reservoir flooding will be mitigated.

3.3 Vulnerability and the Sequential Test: the vulnerability classification of any new development should be considered. According to Table 2 of the NPPF's TG, residential dwellings are classed as 'More Vulnerable'. Commercial space is classed as 'Less Vulnerable.

3.4 The Sequential and Exception Tests are policy – ie legal - mechanisms created to discourage 'vulnerable use' developments in FZ2 and FZ3. Unless wider planning benefits exist that offset the flood risk issues, this process 'steers' higher vulnerability uses to sites in lower flood-risk zones (eg FZ1.)

3.5 Table 3 of the NPPF states that 'More Vulnerable' and 'Less Vulnerable' uses constitute 'appropriate development' in fluvial FZ1. Figure 1 (overleaf) shows this table.

3.6 Mitigation: maximum likely flood depth is 0.5m over this relatively flat/level site, so the external doors of the ground floor units will be fitted with passive flood barriers. These rise only when approaching flood waters push on them. In this way it does not matter whether occupants are at home or not – or are asleep. This is important as urban surface water flooding can be very flashy, as most surfaces are impermeable. Note that this mitigation will deal with the reservoir flood risk as well.

3.7 Safe access to dry land: it is contended that the maximum depth of flooding (in the 1000 years storm) would last only a brief time period – probably up to 2 hours or so. It is contended that the '100 years plus climate change' depth would be less, possibly by 0.1m. Occupants would be able to make their way throughout the site with depths in the main up to 0.3m – or safely reside in their flats for this brief time until the waters recede.

Table 3: Flood risk vulnerability and flood zone 'compatibility'

Flood risk vulnerability classification (see table 2)		Essential infrastructure	Water compatible	Highly vulnerable	More vulnerable	Less vulnerable
Flood zone (see table 1)	Zone 1	✓	✓	✓	✓	✓
	Zone 2	✓	✓	Exception Test required	✓	✓
	Zone 3a	Exception Test required	✓	×	Exception Test required	✓
	Zone 3b functional floodplain	Exception Test required	✓	×	×	×

Key: ✓ Development is appropriate.
× Development should not be permitted.

Notes to table 3:
This table does not show:
a. the application of the Sequential Test which guides development to Flood Zone 1 first, then Zone 2, and then Zone 3;
b. flood risk assessment requirements; or
c. the policy aims for each flood zone.

Figure 1: Table 3 of the NPPF's Technical Guidance

4 Drainage Strategy

4.1 The order of the SuDS hierarchy was considered. The soil, London Clay, has a notoriously low permeability and so is *very* unlikely to offer any reasonable infiltration. As there are no watercourses on this site the only option available for discharging the site's surface water is discharging to surface water sewers.

4.2 There are 3 catchment areas within the site: AT1, AT2 and AT3 – see section 2.3 above for greenfield runoff rates. The labels describing the attenuation tanks on the strategy layout (see Appendix D) include these areas.

4.3 Because of the flat gradient of the site, it is necessary to pump the surface water. The pumped rate will be the existing greenfield (Q_{bar}) rates set out in section 2.3. These are 3.8 + 5.7 + 2.4 = 11.9 l/s These are shown on the Proposed Drainage Layout in Appendix D.

4.4 Various sustainable drainage systems were considered to store the excess storm water:

- Green roofs: 216m^2 of 50mm thick sedum roof has been incorporated into the design.
- Swales/Ponds: the density of the site makes these unfeasible – as well as the low infiltration rate of London Clay soil.
- Rainwater harvesting tanks: the use of rainwater harvesting tanks on such a mixture of commercial and residential development is not generally considered good practice or commercially viable.
- Porous Pavings: the impermeability of London Clay, combined with the possibility of contamination over this industrial site, makes these unfeasible.

4.5 There will be an additional pump in *each* of the 3 pumping stations to allow for maintenance. There will be an ultrasonic alarms fitted to each pump, which will be linked to the maintenance company's office, which will be manned 24/7/365, to ensure that there will be no interruption to this operation. It is unusual to pump surface water and this has been chosen only because the only alternative option would be to increase the offsite flow rate. The relative risk of failure would have to be weighed up against the policy of limiting the offsite flow rate to pre-development *greenfield* runoff rate.

4.6 Each upstream attenuation tank has been sized to store the storm water in the critical '1 in 100 year plus 30% climate change' storm event, this complying with the NPPF. Refer to Appendix D for the drainage strategy layout and Appendix E for the Micro Drainage calculation sheets.

4.7 The Micro Drainage Simulation calculation sheets in Appendix E show that in the (critical storm) '30 minutes winter storm, 1 in 100 years +30% climate change' the system will not flood. The other winter storm duration calculations were run to confirm that the 30 minute winter event is the worst case, ie critical storm.

4.8 The revised climate change allowances from the EA require that 40% climate change should be tested in such a proposal. The drainage calculations were run with this additional 10% CC. The flood volumes in the 3 catchments are $9m^3$, $16.5m^3$ and $5.5m^3$ respectively, total $31.4m^3$. In reality, only a fraction of this would flood as there is additional capacity in each of the networks' pipes and manholes. The small volume that would flood once this capacity has been reached would be limited to the roads, less than the height of a kerb.

4.9 The porous pavings will filter any impurities in the surface water, thereby minimising pollution in the downstream sewer.

4.10 Exceedance flows: if the pumps were to fail, the resulting flow would go eastwards – as currently. The buildings will be set 0.15m above the ambient levels, so it is clear that the flow would not flood the units.

4.11 Foul drainage: it is proposed to discharge the development's foul water into the existing foul networks, both private and public – see the Drainage Strategy layout in Appendix E.

4.12 Permission to discharge into the sewer – by means of a Section 106 application – will be needed from Thames Water, the owner of the sewerage network.

5 Conclusions

5.1 The application site has a 'High Risk' flood risk profile over much of its area.

5.2 The surface water flood risk will be mitigated by providing a passive flood barrier in front of each external doorway. This will rise to 0.8m above ground level.

5.3 The site's surface water flow rate will be restricted to the Qbar rate of 11.9l/s (overall in 3 separate catchments) in the critical storm event. The 3 attenuation tanks will hold the volume of water in this event.

5.4 This development will not increase the flood risk, either on this site or to neighbouring properties, and so complies fully with the 2012 NPPF/2015 PPG.

- End of Report -

Appendix A

Site Location Map & Photos




Site
Location



Appendix B

Topographic Survey & Sewer Records



© COPYRIGHT RESERVED
Do Not Scale From Paper Copies

NORTH

Co-ordinate Table			
Station	Easting	Northing	Level
1	530655.430	189958.567	25.180
2	530740.793	189999.108	24.000
3	530813.915	190033.528	22.708
4	530873.883	190118.700	22.113
5	530784.584	190176.285	23.035
6	530712.514	190222.545	24.427
7	530618.165	190218.327	25.418
8	530604.023	190114.021	24.836
9	530626.708	190019.183	25.040
20	530709.984	190056.827	23.570
21	530711.846	190130.143	24.150
22	530678.064	190140.332	24.176
80	530615.977	190138.597	24.924
90	530660.995	190035.122	24.254
91	530634.226	190083.247	24.162
92	530632.309	190127.693	24.199
93	530651.002	190133.566	25.343
94	530653.465	190147.186	25.494
200	530732.971	190101.308	23.196
201	530718.847	190117.083	23.671
250	530615.464	190069.321	24.861
900	530629.616	190062.073	24.176
920	530629.042	190116.334	23.948
930	530637.090	190132.296	24.177

GPS Note:
This survey is related to Ordnance Survey National Grid by GPS 'rapid static' methods. No scale factor has been applied to the survey information. All horizontal distances taken from this drawing are ground distances.

Revision	Description	Date

LEGEND

Survey control station △ 5
Building
Banking
Gate (single)
Fence
Gate (double)
Contour 22.50
Wall
Tree Spread and Girth shown to scale
Ordnance Survey Value 15.37m

Abbreviations

Belisha Beacon	BB	Pipe	PE
Bollard	BD	Road Sign	RS
Borehole	BH	Rodding Eye	RE
British Telecom Box	BTB	Service Marker	MK
BT Inspection Cover	BT	Sign Post	SP
Concrete Paving Slabs	CPS	Sluice Valve	SV
Cable Television Cover	CTV	Stop Tap	ST
Electricity Cable Pit	EC	Stop Cock	SC
Electricity Pole	EP	Telegraph Pole	TP
Earth Rod	ER	Telephone Call Box	TCB
Fire Hydrant	FH	Traffic Light	TL
Flag Staff	FS	Unsurfaced	U\S
Gas Valve	GV	Vent Pipe	VP
Gate Post	GP	Water Meter	WM
Gully	GY	Eaves Level	EL
Inspection Cover	IC	Ridge Level	RL
Kerb Outlet	KO	Roof Level	RTL
Lamp Post	LP	Soffit Level	SFL
Manhole	MH	Threshold Level	THL
Marker Post	MK	Parapet Wall Level	PWL
Parking Meter	PM	Finished Floor Level	FFL
Post	P		
Retaining Wall	RTW	Cover Level	CL
Barbed Wire Fence	BWF	Invert Level	IL
Close Boarded Fence	CBF	No Visible Connection	NVC
Chainlink Fence	CLF	Unable to Lift	UTL
Chestnut Paling Fence	CPF	Surface Water	SW
Post and Chain Fence	PCF	Foul Water	FW
Post and Rail Fence	PRF		
Post and Wire Fence	PWF	Flower Bed	F\B
Wooden Panel Fence	WPF	Shrub Bed	S\B

terrain
Land and Architectural Surveyors
Terrain Surveys Ltd
Bridge Chambers
35a High Street
Welwyn
Herts
AL6 9EQ
Tel 01438 841300
Fax 01438 841301
enquiries@terrainsurveys.co.uk
www.terrainsurveys.co.uk

Client
WORKSPACE GROUP PLC

Project
THE CHOCOLATE FACTORY
WOOD GREEN
N22 6XJ

Title
TOPOGRAPHICAL SURVEY

Drawn by	Checked by
AJC	PG
Scale 1:200@A1	Date APRIL 2016
Drawing Number TS16-093M\1	Revision —
Sheet 1 of 1	

All levels related to Ordnance Survey GPS Active Network at Survey Station 2.
Value 24.000m

Asset Location Search Sewer Map - ALS/ALS Standard/2015_3160618

TQ3089NW



The width of the displayed area is 500m and the centre of the map is located at OS coordinates 530250,189750

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

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

NB. Levels quoted in metres Ordnance Newlyn Datum. The value -9999.00 indicates that no survey information is available

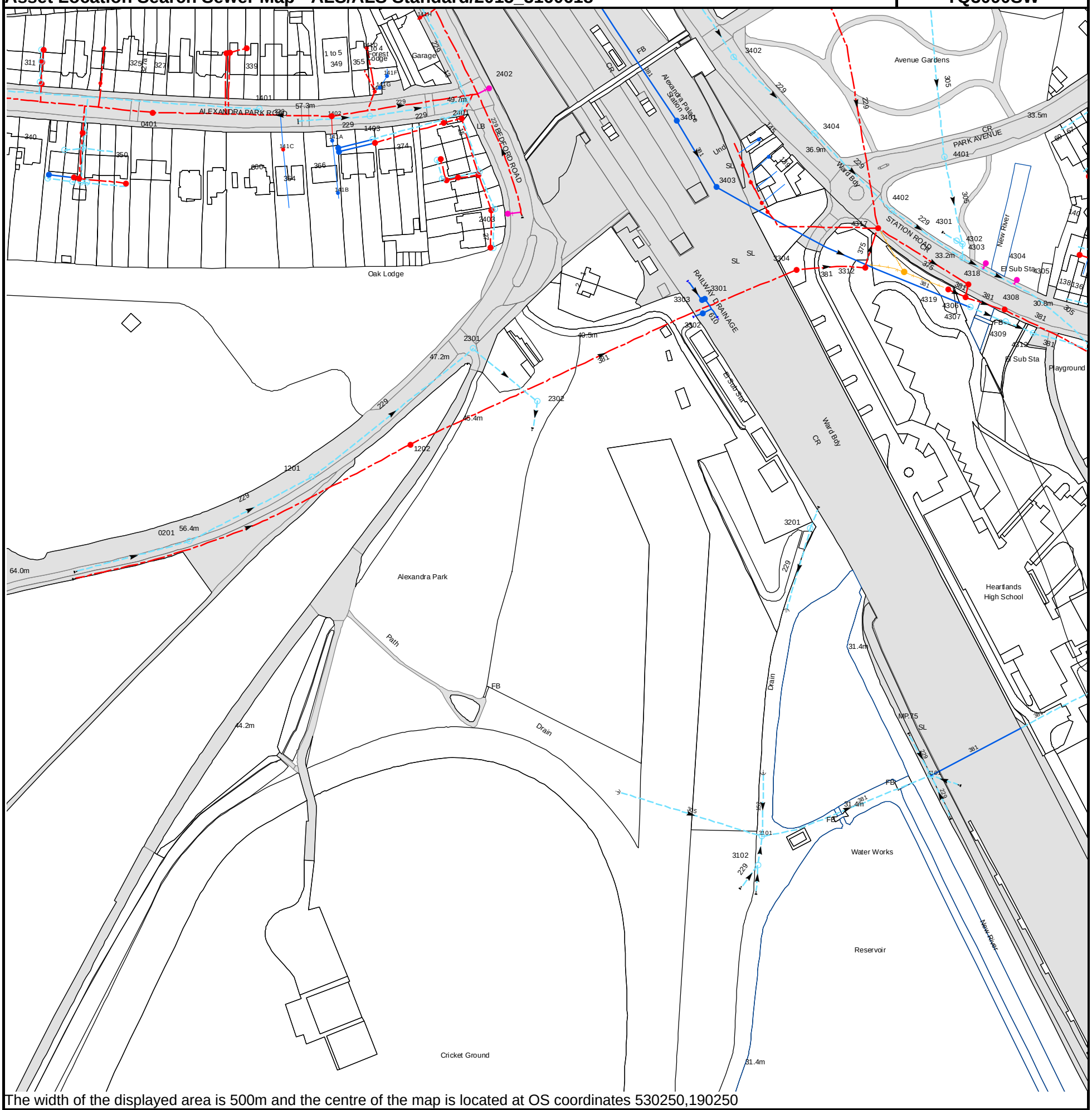
Manhole Reference	Manhole Cover Level	Manhole Invert Level
251A	n/a	n/a
061A	n/a	n/a
061B	n/a	n/a
071D	n/a	n/a
071E	n/a	n/a
1502	30.46	27.95
2502	28.61	25.25
0503	32.51	30.51
1501	30.58	28.24
2501	28.63	23.86
0508	n/a	n/a
3501	28.15	23.82
2602	30.45	26.53
2601	30.58	25.14
1602	33.44	30.87
1604	32.91	30.24
1601	33.58	31.2
1603	32.96	30.5
3603	29.58	25.89
3604	29.66	24.99
1706	35.68	33.11
1704	36.07	33.43
1705	35.73	33.49
1703	36.17	33.77
271A	n/a	n/a
271B	n/a	n/a
1702	35.45	33.95
2702	34.61	n/a
2701	34.53	33.24
1701	36.22	35.06
2703	33.83	31.84
3701	32.25	30.17
3504	27.39	23.67
3503	27.36	25.28
4502	27.33	24.97
4501	27.34	25.24
3502	28.18	25.39
4602	27.88	25.34
3605	28.32	25.64
3602	29.42	26.95
3601	29.46	26.03
371E	n/a	n/a
371D	n/a	n/a
3707	30.73	28.17
4703	n/a	n/a
3706	30.83	27.85
3704	31.08	26.66
3705	n/a	n/a
3702	31.01	28.99
4701	30.19	26.61
3703	31.01	28.69
4702	30.08	26.55
371B	n/a	n/a
371A	n/a	n/a
4508	27.33	25.01
4507	27.36	25.55
3506	27.4	23.59
3505	27.39	25.06
4506	27.29	25.03
4505	27.22	24.17
4514	n/a	n/a
451B	n/a	n/a
4504	27.79	24.31
4515	n/a	n/a
451A	n/a	n/a
4503	27.47	25.11
0505	33.44	31.56
0502	34.98	32.7
0501	34.81	32.98
051E	n/a	n/a
071B	n/a	n/a
071C	n/a	n/a
0602	34.86	31.65
0703	37.42	34.37
0704	37.25	34.01
0601	34.85	31.93
0507	n/a	n/a
071A	n/a	n/a
051D	n/a	n/a
051C	n/a	n/a
0506	31.47	29.77
2504	28.14	26.17
2503	28.12	25.41
3508	27.75	25.22
051A	n/a	n/a
3507	27.69	23.64
051B	n/a	n/a
1506	29.58	25.87
1505	29.61	24.36
1504	30.33	27.79
1503	30.32	27.6

Manhole Reference	Manhole Cover Level	Manhole Invert Level
0504	32.67	30.31

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

Asset Location Search Sewer Map - ALS/ALS Standard/2015_3160618

TQ3090SW



The width of the displayed area is 500m and the centre of the map is located at OS coordinates 530250,190250

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

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

NB. Levels quoted in metres Ordnance Newlyn Datum. The value -9999.00 indicates that no survey information is available

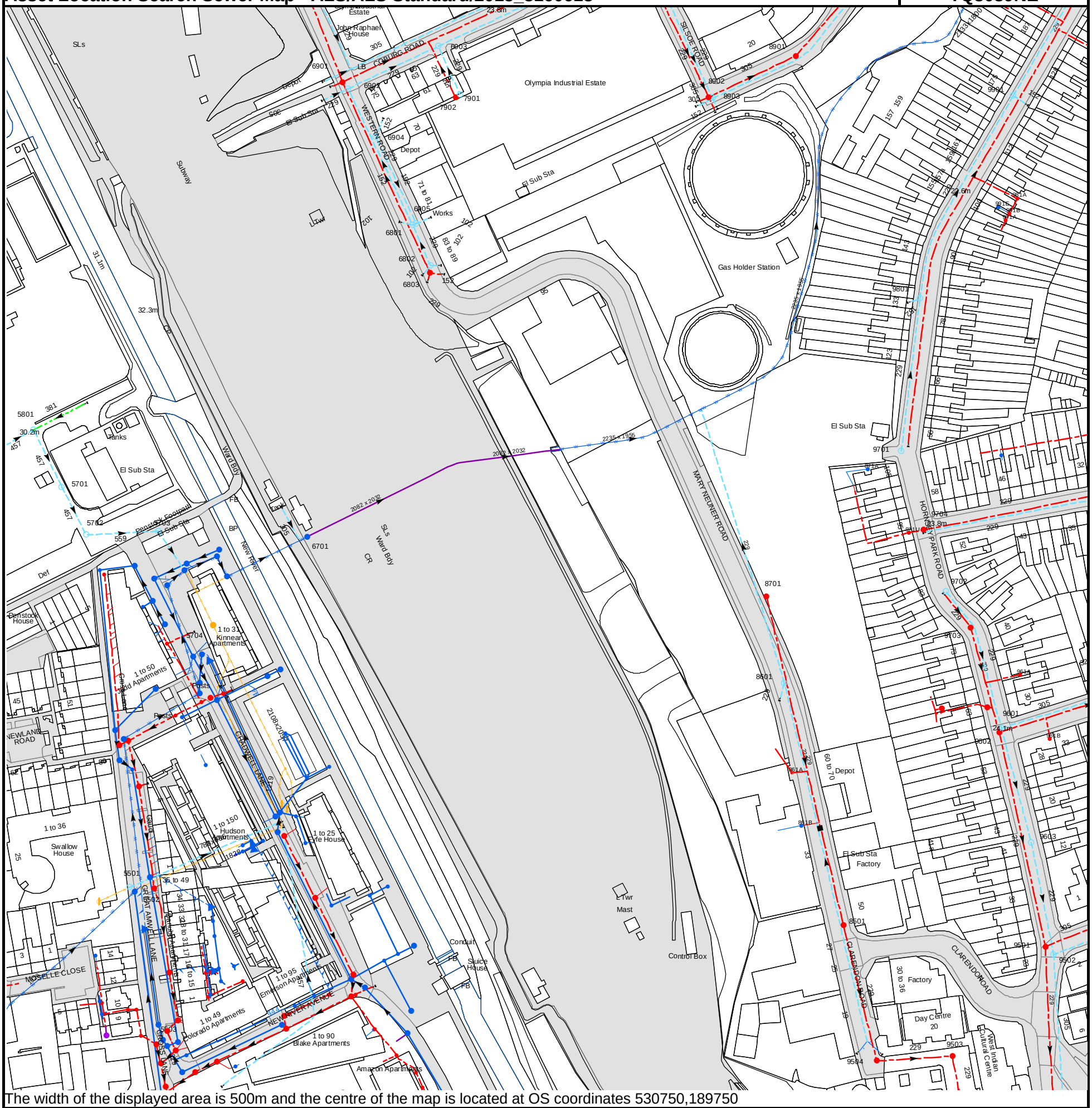
Manhole Reference	Manhole Cover Level	Manhole Invert Level
341F	n/a	n/a
341C	n/a	n/a
341E	n/a	n/a
3312	35.34	32.6
4317	34.65	32.55
4402	35.74	32.07
4401	34.51	31.9
4319	n/a	n/a
4301	32.82	31.76
4303	33.19	28.62
4302	32.93	31.67
4306	32.84	28.44
4318	32.73	30.29
4307	31.55	28.2
4304	32.79	n/a
4308	32.02	28.03
4309	31.51	27.93
4305	32.14	n/a
4312	30.47	n/a
43YQ	n/a	n/a
44ZT	n/a	n/a
3401	38.23	35.85
3402	40.34	38.26
341B	n/a	n/a
3404	37.76	35.09
3102	31.25	29.81
3101	31.42	29.19
3201	n/a	n/a
1202	46.67	44.84
2302	n/a	n/a
2301	45.95	44.39
3302	n/a	n/a
3303	n/a	n/a
3301	n/a	n/a
3304	36.93	34.11
23ZS	n/a	n/a
23ZT	n/a	n/a
2403	46.35	n/a
24YY	n/a	n/a
24XY	n/a	n/a
141B	n/a	n/a
3403	37.06	34.7
341A	n/a	n/a
24YV	n/a	n/a
24YP	n/a	n/a
24YT	n/a	n/a
24YX	n/a	n/a
24XZ	n/a	n/a
341D	n/a	n/a
14YY	n/a	n/a
24YW	n/a	n/a
4101	31.67	27.4
0201	n/a	n/a
1201	n/a	n/a
04YQ	n/a	n/a
04XQ	n/a	n/a
04XY	n/a	n/a
04XZ	n/a	n/a
04YP	n/a	n/a
04YT	n/a	n/a
04YV	n/a	n/a
04YW	n/a	n/a
04XS	n/a	n/a
141C	n/a	n/a
04XX	n/a	n/a
141A	n/a	n/a
04XW	n/a	n/a
04YS	n/a	n/a
1402	56.66	52.57
0401	56.13	51.7
1401	57.5	55.82
04ZQ	n/a	n/a
0403	n/a	n/a
04ZV	n/a	n/a
04ZR	n/a	n/a
1405	n/a	n/a
1407	n/a	n/a
1406	n/a	n/a
04ZW	n/a	n/a
04ZX	n/a	n/a
04ZS	n/a	n/a
0402	n/a	n/a
14ZP	n/a	n/a
14ZR	n/a	n/a
141D	n/a	n/a
1403	54.64	53.02
14YZ	n/a	n/a
14ZQ	n/a	n/a
141E	n/a	n/a
141G	n/a	n/a
141F	n/a	n/a

Manhole Reference	Manhole Cover Level	Manhole Invert Level
141H	n/a	n/a
24YS	n/a	n/a
24ZQ	n/a	n/a
24YR	n/a	n/a
24ZP	n/a	n/a
2401	49.32	47.93
2402	49.15	n/a

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

Asset Location Search Sewer Map - ALS/ALS Standard/2015_3160618

TQ3089NE



The width of the displayed area is 500m and the centre of the map is located at OS coordinates 530750,189750

The width of the displayed area is 500m and the centre of the map is located at OS coordinates 530750,189750

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

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

NB. Levels quoted in metres Ordnance Newlyn Datum. The value -9999.00 indicates that no survey information is available

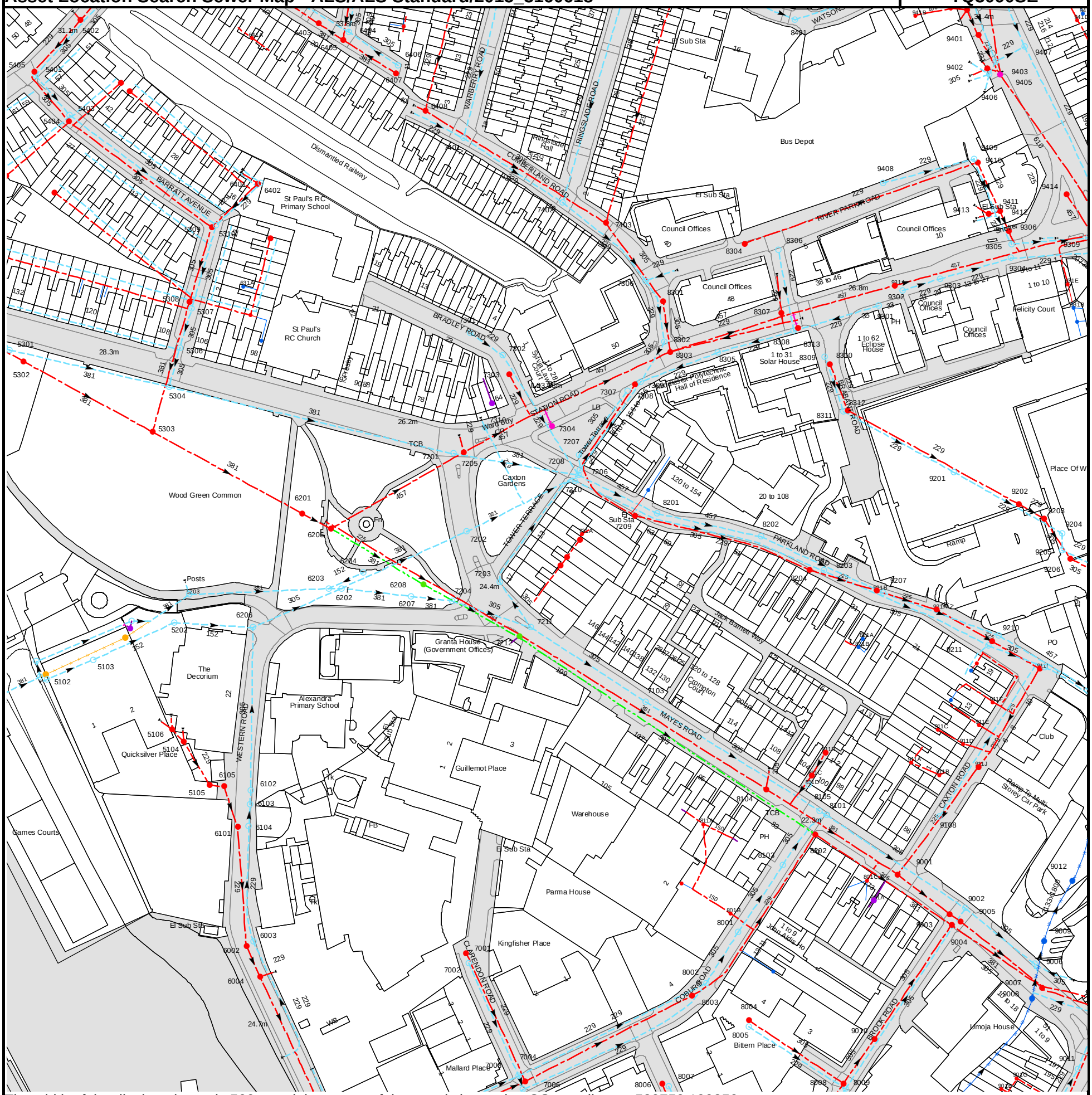
Manhole Reference	Manhole Cover Level	Manhole Invert Level
551C	25.62	24.73
961A	n/a	n/a
9603	24.25	22.65
9501	23.94	21.55
961B	n/a	n/a
8903	22.96	21.58
8902	23.03	21.15
9901	21.96	20.74
8901	22.49	20.72
6904	n/a	n/a
7902	24.6	22.52
7901	24.54	23.26
6902	25.13	23.3
6901	25.12	22.32
6903	24.5	22.97
561Q	29.3	27
561E	29.125	27.035
561D	30.54	28.09
561M	30.36	26.73
561C	30.42	28.49
561R	30.41	28.61
561A	n/a	n/a
561P	n/a	n/a
561O	n/a	n/a
661D	31.03	30
661C	31.36	30.2
561L	31	27.739
561N	n/a	n/a
571D	30.57	29.3
571G	n/a	n/a
571F	n/a	n/a
571E	29.73	28.623
571B	n/a	n/a
571M	29.65	28.375
671A	n/a	n/a
571A	n/a	n/a
571H	29.65	28.45
571L	30.55	29.7
571C	n/a	n/a
571K	31.4	30.75
6701	n/a	n/a
5703	30.05	23.64
661B	30.33	28.98
651J	31.15	29
5502	26.15	23.89
551K	26.27	25.29
5501	26.1	n/a
551L	26.3	24.55
661P	n/a	n/a
661O	n/a	n/a
661I	n/a	n/a
661Q	n/a	n/a
661M	21.53	20.15
661A	30.31	29.29
661L	n/a	n/a
661E	30.35	26.45
661J	30.585	28.525
661H	n/a	n/a
561H	26.71	25.57
661G	n/a	n/a
561K	26.99	25.415
661F	n/a	n/a
561T	n/a	n/a
561J	26.991	25.95
561G	27.13	26.33
561F	27.25	25.99
561B	n/a	n/a
661K	n/a	n/a
561I	27.2	26.037
651I	31.3	30
6801	25.07	22.64
651L	31.3	30
6905	24.99	23.92
6803	24.83	23.05
6802	24.87	23.72
8701	24.33	21.75
8601	25.34	22.28
861A	n/a	n/a
861B	n/a	n/a
8501	25.33	21.24
871A	n/a	n/a
9701	n/a	n/a
971U	n/a	n/a
9801	22.72	21.62
9704	23.9	22.25
9604	n/a	n/a
9702	24.16	23.37
9703	24.32	22.63
9605	n/a	n/a
991E	n/a	n/a
9602	24.44	22.25

Manhole Reference	Manhole Cover Level	Manhole Invert Level
9601	24.43	22.87
971V	n/a	n/a
991A	n/a	n/a
991B	n/a	n/a
981A	n/a	n/a
571I	n/a	n/a
571J	29.63	26.995
5702	30.03	25.21
5701	29.67	25.44
5801	30.01	25.44
552C	n/a	n/a
551Y	n/a	n/a
552D	n/a	n/a
551X	n/a	n/a
552E	n/a	n/a
551W	n/a	n/a
552N	n/a	n/a
552M	n/a	n/a
551B	26.21	25.04
552K	n/a	n/a
552L	n/a	n/a
651X	n/a	n/a
651U	n/a	n/a
651W	n/a	n/a
651V	n/a	n/a
651C	28.2	26.29
651D	28.21	26.13
651F	n/a	n/a
651G	28.353	27
651E	29.57	27.24
651Y	n/a	n/a
651H	30.4	26.6
651B	n/a	n/a
651A	30.27	28.57
651O	n/a	n/a
651T	30.89	28.17
651M	30.4	29
551U	n/a	n/a
551V	25.67	24.96
551D	25.72	24.878
551O	25.5	24.5
551G	25.62	24.9
551P	n/a	n/a
5503	25.62	24.87
551N	25.475	24
551R	25.5	23.93
552B	n/a	n/a
551F	25.47	24.93
551T	n/a	n/a
551H	25.44	24.97
551Z	n/a	n/a
552A	n/a	n/a
552F	n/a	n/a
552I	n/a	n/a
551I	25.77	25.08
552G	23.55	21.91
552H	24.22	21.81
552J	n/a	n/a
651Q	30.91	n/a
651R	30.89	n/a
9504	24.45	21
9503	23.8	20.84
651S	30.91	28.47
651P	n/a	n/a
651N	n/a	n/a
9502	24.01	22.29
651K	30.803	29.575

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

Asset Location Search Sewer Map - ALS/ALS Standard/2015_3160618

TQ3090SE



The width of the displayed area is 500m and the centre of the map is located at OS coordinates 530750,190250

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

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

NB. Levels quoted in metres Ordnance Newlyn Datum. The value -9999.00 indicates that no survey information is available

Manhole Reference	Manhole Cover Level	Manhole Invert Level
931G	n/a	n/a
731A	n/a	n/a
641B	n/a	n/a
9405	30.33	n/a
9406	30.63	28.77
9402	30.64	27.01
9403	30.53	28.58
9407	30.51	28.55
9401	31.37	27.43
941D	n/a	n/a
941E	n/a	n/a
9404	31.96	29.38
941A	n/a	n/a
931B	n/a	n/a
9302	26.8	25.91
931A	n/a	n/a
931E	n/a	n/a
9303	26.55	25.64
9304	25.92	24.9
9305	25.97	24.9
9309	25.45	24.18
9306	26.43	24.29
9413	27.45	24.66
9412	27.38	24.56
9411	27.35	25.65
9414	n/a	24.1
9410	28.51	26.03
9409	28.57	26.46
8401	34.75	33.66
941B	n/a	n/a
6405	34.01	31.35
641A	n/a	n/a
6404	34.03	32.05
6403	33.97	31.18
5402	30.7	28.59
5304	28.23	26.25
7303	26.89	24.95
7302	27.38	25.53
5306	28.19	26.72
631B	n/a	n/a
7301	28.04	26.49
63ZT	n/a	n/a
5307	28.61	27.01
5308	28.7	26.72
631A	n/a	n/a
63ZV	n/a	n/a
5309	29.58	27.06
5310	29.58	27.53
7402	30.34	28.92
54YQ	n/a	n/a
6401	29.82	28.02
6402	29.83	28.46
7401	32.41	31.02
5404	31.41	28.03
5403	31.46	28.54
6408	33.22	31.6
54YP	n/a	n/a
54XY	n/a	n/a
5401	31.78	28.86
6407	33.82	31.41
5405	31.79	28.33
6406	33.84	32.47
5301	29.95	27.31
5302	29.72	26.6
7208	24.49	22.31
7213	n/a	n/a
721A	n/a	n/a
7403	29.54	27.26
7307	25.79	24.5
7308	26.09	24.04
7209	23.76	21.78
7309	26.15	23.27
7306	n/a	n/a
721B	n/a	n/a
8201	23.57	21.49
8301	27.49	25
8302	25.62	24.07
8303	25.7	23.01
8305	26.55	23.59
8304	28.4	27.46
8202	22.81	20.97
8306	28.09	26.74
8307	26.77	25.45
8308	26.77	23.65
8313	26.77	n/a
8309	25.97	23.91
8310	25.88	24.23
8311	24.99	23.42
8312	24.96	23.53
9301	26.95	23.87
9408	28.78	27.82

Manhole Reference	Manhole Cover Level	Manhole Invert Level
9204	22.11	20.41
9203	22.35	20.87
9202	22.65	21.08
9201	23.43	21.35
7212	23.9	22.05
521B	n/a	n/a
7211	23.99	22.27
6206	25.33	22.51
5202	26.25	22.87
521A	n/a	n/a
7204	24.73	23.53
6207	25.25	23.47
5203	26.13	24.03
6203	25.71	23.59
6202	25.69	22.33
6208	25.19	22.83
7203	24.31	22.15
6204	25.62	23.73
7215	n/a	n/a
7214	n/a	n/a
7202	25.26	22.27
6205	26.36	23.26
6201	n/a	n/a
7210	24.47	21.72
7206	24.48	22.02
7207	25.47	23.73
7201	26	24.48
7205	25.93	23.3
5303	27.98	25.41
7310	25.73	24.66
7304	25.78	n/a
9212	n/a	n/a
821B	n/a	n/a
9211	21.09	20.05
921D	n/a	n/a
821A	n/a	n/a
9210	20.98	19.88
921A	n/a	n/a
9207	21.88	20.46
921B	n/a	n/a
8203	22.33	20.75
8204	22.47	21.12
9206	22.18	20.63
9205	22.14	20.29
901A	n/a	n/a
801A	n/a	n/a
9012	21.26	19.18
801C	n/a	n/a
9001	21.72	19
8103	22.27	20.95
8102	22.02	20.07
811A	n/a	n/a
9108	21.48	20.52
8101	22	20.86
8105	22.01	20.85
8104	22.29	20.06
811D	n/a	n/a
811C	n/a	n/a
911B	n/a	n/a
911J	n/a	n/a
911A	n/a	n/a
811B	n/a	n/a
911D	n/a	n/a
911C	n/a	n/a
911D	n/a	n/a
911C	n/a	n/a
911E	n/a	n/a
911F	n/a	n/a
7103	22.98	21.71
911L	n/a	n/a
9109	n/a	n/a
911I	n/a	n/a
911K	n/a	n/a
8009	22.12	20.91
901B	n/a	n/a
8007	23.04	21.9
8006	23.02	21.44
8008	22.12	20.32
901C	n/a	n/a
9011	21.43	20.35
9010	21.95	20.02
8005	22.42	21.4
8004	22.44	20.84
9008	21.4	19.56
8003	22.64	20.39
9007	21.47	18.77
8002	22.5	21.41
801D	n/a	n/a
9006	21.32	20.1
9009	21.44	19.41
8001	22.41	21.18
9004	21.48	19.28
9005	21.58	19.01
9003	21.62	19.1
801B	n/a	n/a

Manhole Reference	Manhole Cover Level	Manhole Invert Level
9002	21.49	20.36
7006	23.99	22.65
7004	23.94	21.53
7003	23.92	22.17
6004	24.79	22.93
7002	23.56	22.57
7001	23.57	22.11
6002	24.71	23.05
6003	24.71	23.66
6101	24.73	23.56
6104	24.74	23.47
6103	24.74	22.96
6102	24.8	22.97
6105	25.06	23.84
5105	25.31	23.87
5104	25.82	24.29
5106	25.52	24.15
5102	28.01	23.75
511A	n/a	n/a
511B	n/a	n/a
5103	25.82	23.08

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

Asset Location Search Sewer Map - ALS/ALS Standard/2015_3160618

TQ3189NW



The width of the displayed area is 500m and the centre of the map is located at OS coordinates 531250,189750

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

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

NB. Levels quoted in metres Ordnance Newlyn Datum. The value -9999.00 indicates that no survey information is available

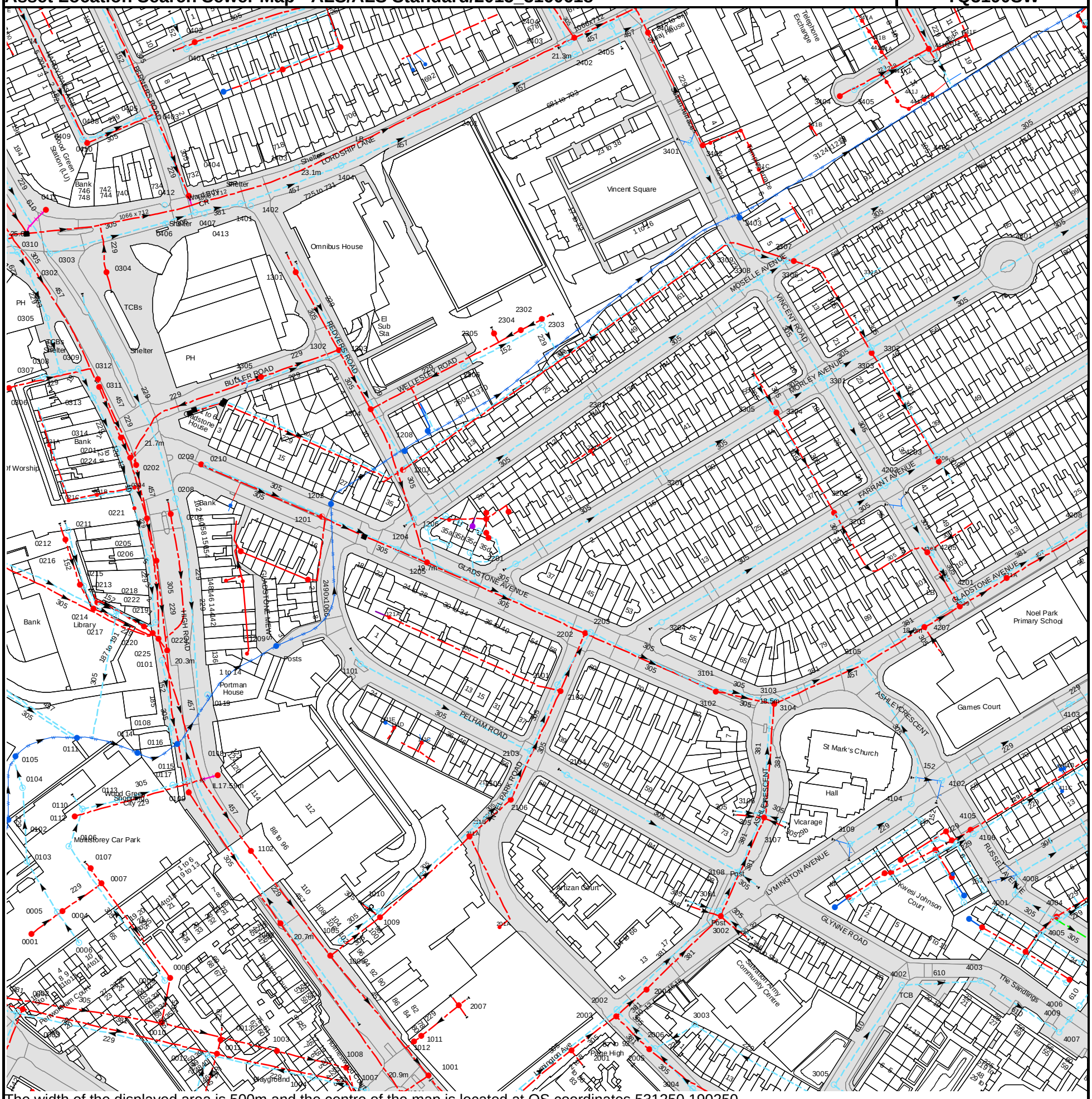
Manhole Reference	Manhole Cover Level	Manhole Invert Level
251D	n/a	n/a
451A	n/a	n/a
461G	n/a	n/a
461F	n/a	n/a
171F	n/a	n/a
171E	n/a	n/a
171G	n/a	n/a
291C	n/a	n/a
4624	21.26	19.92
4617	21.19	n/a
4618	21.12	17.03
5718	n/a	n/a
4725	n/a	n/a
4501	21.85	20.62
4503	21.94	20.77
4502	21.77	20.35
4504	21.92	20.14
4509	21.91	19.37
461E	n/a	n/a
4623	21.01	20.11
4602	20.97	20.05
471A	n/a	n/a
461B	n/a	n/a
461C	n/a	n/a
4603	21.07	19.94
461D	n/a	n/a
4605	21.16	19.99
4604	21.16	20.02
4622	21.01	19.94
4607	n/a	n/a
4606	20.97	20.01
4621	20.94	20.03
4608	21.03	19.1
4609	21.04	19.94
4620	n/a	n/a
4614	21.37	14.37
4636	n/a	18.78
4611	21.18	18.7
4635	21.14	16.79
4613	n/a	n/a
4610	21.27	14.35
4615	21.06	16.93
4619	21.4	13.67
4612	21.27	17.67
4616	21.18	19.79
3502	21.18	20.27
3713	21.26	19.56
3714	21.2	18.49
3605	21.44	n/a
3609	n/a	n/a
3703	21.47	18.84
3613	21.43	18.68
3702	21.33	19.98
3701	21.31	19.96
3615	21.3	17.42
3709	21.29	19.77
3710	21.14	18.32
3715	20.37	14.22
351C	n/a	n/a
3610	21.46	19.74
3708	21.3	19.07
3811	20.35	17.01
351D	n/a	n/a
351B	n/a	n/a
3705	n/a	n/a
3614	21.05	16.9
3612	21.05	20.07
3716	20.4	18.22
3717	20.46	18.11
4707	20.41	18.25
461A	n/a	n/a
4601	21.26	19.96
2513	n/a	n/a
2512	21.69	19.73
2510	21.53	20.39
251C	n/a	n/a
2505	21.74	20.11
2506	21.75	19.81
2503	21.72	20.12
251A	n/a	n/a
2504	21.77	19.84
3503	21.63	20.61
3504	21.73	20.3
351A	n/a	n/a
3505	21.7	20.43
151A	n/a	n/a
1506	22.16	20.47
2518	n/a	n/a
3501	21.25	20.28
2519	21.65	19.56
2520	n/a	n/a

Manhole Reference	Manhole Cover Level	Manhole Invert Level
2615	n/a	n/a
3607	21.46	19.91
1602	22.37	21.06
3608	n/a	n/a
1603	22.38	20.72
361A	n/a	n/a
1604	n/a	n/a
2608	21.96	16.96
2606	21.97	18.82
2607	21.92	18.78
2609	21.87	20.69
2603	n/a	n/a
2602	22.08	16.83
161A	n/a	n/a
2601	21.97	20.61
2610	21.75	20.74
1601	22.64	20.78
2613	21.61	18.36
2614	21.5	18.76
161C	n/a	n/a
161B	n/a	n/a
1501	22.12	21.15
151C	n/a	n/a
1505	22.19	20.37
1502	21.97	n/a
1503	21.83	20.69
151B	n/a	n/a
1504	21.75	20.81
1507	21.74	21.03
2501	21.73	21.17
2511	21.53	19.86
2508	21.59	20.3
2515	21.48	20.37
2514	21.54	19.15
2507	21.58	20.21
2516	21.15	20.07
2517	n/a	n/a
2509	21.56	20.16
2502	21.52	20.69
251B	n/a	n/a
2521	21.66	20.81
4904	19.91	17.72
4801	n/a	n/a
4902	20.11	17.62
4802	20.46	18.75
4803	n/a	n/a
4804	20.28	18.21
4805	20.09	17.96
4814	20.21	17.63
4701	20.94	13.93
4808	20.36	18.41
4806	20.31	18.46
4702	20.59	16.95
4903	20.2	17.44
4807	20.12	17.87
4813	20.28	17.73
4815	20.21	17.44
4812	20.29	17.96
4703	20.48	18.53
4809	20.53	18.04
4704	20.5	19.82
4810	20.36	17.96
4905	20.17	17.89
481B	n/a	n/a
481A	n/a	n/a
4705	20.43	19.55
4816	20.15	18.15
4706	20.45	17.55
4811	20.32	18.57
3919	19.75	17.69
4901	20.08	17.21
3917	19.75	17.85
3918	18.65	17.31
4818	n/a	18.07
4817	n/a	18.12
181A	n/a	n/a
2808	20.78	14.45
2803	21.29	20.33
3808	20.57	18.67
2810	21.33	20.39
2804	21.18	18.13
281A	n/a	n/a
3807	n/a	n/a
3806	n/a	n/a
2807	20.8	14.53
3801	n/a	n/a
3805	n/a	n/a
3802	20.56	18.44
2805	20.68	19.92
3804	n/a	n/a
2806	20.86	19.77
291B	n/a	n/a
291A	n/a	n/a

Manhole Reference	Manhole Cover Level	Manhole Invert Level
2911	20.62	n/a
2908	21.58	20.5
3909	20.74	17.75
3910	20.74	18.91
3908	n/a	n/a
3907	n/a	n/a
3906	n/a	n/a
2906	21.37	19.39
3904	20.67	17.47
3905	20.59	18.45
3903	n/a	n/a
2907	n/a	n/a
3902	n/a	n/a
3901	20.18	18.99
3911	19.95	17.43
191C	n/a	n/a
191A	n/a	n/a
1903	21.35	20.34
3913	19.98	18.12
2905	20.88	14.83
2910	n/a	n/a
191B	n/a	n/a
3912	n/a	n/a
1904	21.44	20.25
3916	19.96	16.89
2904	20.74	15.34
29WP	n/a	n/a
3915	19.89	17.44
1905	21.29	20.27
1906	21.37	20.26
29VZ	n/a	n/a
3914	19.89	17.97
29VW	n/a	n/a
1907	21.25	20.18
1702	22.9	20.92
171D	n/a	n/a
171C	n/a	n/a
171B	n/a	n/a
171A	n/a	n/a
181B	n/a	n/a
181D	n/a	n/a
2801	22.42	20.13
2802	22.56	19.97
2701	22.29	20.61
2704	22.31	16.33
2703	22.3	19.7
2705	22.29	20.69
2702	22.26	20.55
2708	n/a	n/a
2709	n/a	n/a
2710	n/a	n/a
2809	21.74	20.34
3711	21.74	15.39
3603	21.37	18.52
3601	21.5	19.93
3809	21.43	20.62
3810	21.35	19.73
3712	21.55	19.49
3604	21.46	18.69
1908	21.3	19.21
2903	20.85	17.18
2902	20.95	18.13
1909	21.11	15.29
29VY	n/a	n/a
2901	20.9	17.23
29VV	n/a	n/a
1911	20.97	14.98
0802	23.2	22.39
0701	23.46	21.94
061A	n/a	n/a
0801	22.81	20.48
0601	23.51	21.5
0901	22.27	20.82
0902	22.34	20.08
0909	n/a	n/a
0903	22.25	21.2
0807	n/a	n/a
0809	n/a	n/a
0810	n/a	n/a
0808	n/a	n/a
0811	n/a	n/a
1811	n/a	n/a
1802	22.83	20.53
1803	22.84	21.42
1804	22.82	21.95
1705	22.79	21.84
1704	22.76	21.17
1801	22.37	21.29
1703	22.88	21.08
1701	22.91	21.69
091A	n/a	n/a
0904	21.22	20.81
0501	22.34	21.21

Asset Location Search Sewer Map - ALS/ALS Standard/2015_3160618

TQ3190SW



The width of the displayed area is 500m and the centre of the map is located at OS coordinates 531250,190250

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

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

NB. Levels quoted in metres Ordnance Newlyn Datum. The value -9999.00 indicates that no survey information is available

Manhole Reference	Manhole Cover Level	Manhole Invert Level
341E	n/a	n/a
2403	21.34	19.01
2404	21.31	18.01
2402	21.26	20.09
2405	21.1	18.76
2406	20.78	18.37
3401	19.62	18
3402	19.45	19.03
3416	n/a	n/a
3414	n/a	n/a
341B	n/a	n/a
3404	18.76	17.74
3405	18.74	17.61
341A	n/a	n/a
04XW	n/a	n/a
14ZP	n/a	n/a
14YZ	n/a	n/a
141A	n/a	n/a
141B	n/a	n/a
2401	22.01	20.85
0405	26.23	24.4
0401	26.88	24.64
0402	26.87	24.15
0304	24.21	21.27
0302	24.9	23.89
0303	24.83	23.25
0310	25.23	23.91
0406	24.16	23.11
0411	n/a	n/a
0412	24.04	22.33
0404	24.01	n/a
0410	26.7	23.86
0409	26.71	24.55
0408	26.51	24.45
0403	26	24.33
441C	n/a	n/a
4401	18.64	17.54
441G	n/a	n/a
441B	n/a	n/a
441O	n/a	n/a
441F	n/a	n/a
341D	n/a	n/a
44ZP	n/a	n/a
44YZ	n/a	n/a
44ZQ	n/a	n/a
4206	17.85	15.43
4203	17.91	16.63
3303	18.06	15.81
3302	18.1	16.74
4301	17.93	16.56
4402	18	16.62
441I	n/a	n/a
441J	n/a	n/a
441H	n/a	n/a
441N	n/a	n/a
441K	n/a	n/a
441A	n/a	n/a
4008	18.35	16.97
40WS	n/a	n/a
40WW	n/a	n/a
40WR	n/a	n/a
4004	18.38	17.15
4005	18.4	17.46
4007	n/a	17.12
40WP	n/a	n/a
40W	n/a	n/a
4009	n/a	n/a
4006	18.49	17.1
40VZ	n/a	n/a
41SY	n/a	n/a
4104	18.44	16.98
411C	n/a	n/a
4102	18.43	17.15
411A	n/a	n/a
411B	n/a	n/a
4103	18.03	16.94
4207	18.03	15.1
4209	18.05	15.06
4201	18.05	16.59
421A	n/a	n/a
4205	17.98	16.7
4204	17.98	15.39
4208	17.83	16.48
4202	18.09	16.73
40XR	n/a	n/a
41TR	n/a	n/a
41TQ	n/a	n/a
41SR	n/a	n/a
40XQ	n/a	n/a
41SW	n/a	n/a
4002	18.6	17.21

Manhole Reference	Manhole Cover Level	Manhole Invert Level
41TP	n/a	n/a
41SZ	n/a	n/a
41SQ	n/a	n/a
41SV	n/a	n/a
41ST	n/a	n/a
40XS	n/a	n/a
401A	n/a	n/a
41SS	n/a	n/a
40XT	n/a	n/a
40XP	n/a	n/a
40WY	n/a	n/a
4105	18.35	17.14
4106	18.34	17.3
4003	18.6	17.17
40WX	n/a	n/a
40WZ	n/a	n/a
40VY	n/a	n/a
4001	18.4	17.01
2202	19.07	16.03
2203	19.05	16.98
2003	19.85	16.55
2002	19.83	17.86
2004	19.5	16.35
2005	19.87	16.69
2006	19.85	17.86
3204	18.66	17.06
3004	19.93	17.92
3003	20.03	17.87
3101	18.67	16.89
3102	18.62	15.7
3001	18.85	17.63
3002	18.88	16.15
3108	18.7	17.62
3106	18.56	17.36
3107	18.59	15.9
3103	18.38	16.82
3104	18.38	15.6
3005	n/a	17.28
30YR	n/a	n/a
30YQ	n/a	n/a
3109	18.58	17.37
30YP	n/a	n/a
3105	18.17	16.7
22XV	n/a	n/a
22YY	n/a	n/a
22XT	n/a	n/a
22XZ	n/a	n/a
22YP	n/a	n/a
22YQ	n/a	n/a
2305	19.92	18.77
22XS	n/a	n/a
2304	19.68	18.72
2302	19.81	19.25
2303	20	18.84
2301	19.07	17.16
221A	n/a	n/a
3201	18.67	17.1
3403	18.77	16.85
3309	18.53	17.06
3415	n/a	n/a
341C	n/a	n/a
3308	18.44	16.93
3305	18.26	16.94
3304	18.17	15.96
3307	18.21	16.9
3306	18.13	15.97
3301	18.25	16.81
3202	18.09	15.67
3203	18.13	16.75
331A	n/a	n/a
1007	21.17	20.09
1004	21.24	19.98
1001	20.89	16.89
1008	21.16	17.81
0012	21.5	19.91
0011	21.54	18.06
1003	21.37	18.1
2001	20.24	18.08
1012	20.94	18.5
0013	21.35	19.98
1011	21.01	18.63
2007	20.92	18.97
1006	20.66	17.51
1005	20.67	18.49
201A	n/a	n/a
1002	20.5	15.93
1009	20.37	16.74
1010	20.37	18.33
1102	20.28	17.54
0407	23.78	21.88
0209	21.65	17.36
0413	23.67	23.01
0210	21.6	17.44

Manhole Reference	Manhole Cover Level	Manhole Invert Level
121B	n/a	n/a
1401	23.35	21.83
1402	23.17	21.52
1305	21.4	18.73
1301	22.21	19.94
1403	23.13	21.58
1201	20.52	16.66
1202	20.32	18.07
1302	21.01	17.33
1404	22.84	21.66
1303	20.94	19.79
1304	20.43	16.99
1204	20.03	17.2
1207	19.99	17.06
1208	20.04	17.97
1206	19.81	17.49
13YQ	n/a	n/a
12XQ	n/a	n/a
22ZP	n/a	n/a
22YZ	n/a	n/a
22XX	n/a	n/a
22ZQ	n/a	n/a
2306	19.93	18.63
211A	n/a	n/a
211B	n/a	n/a
2106	19.25	16.46
2105	19.25	17.54
0109	20.1	16.4
211C	n/a	n/a
0115	20.22	18.64
2104	19.02	17.81
0118	20.36	n/a
2103	19.2	17.4
111C	n/a	n/a
111D	n/a	n/a
111E	n/a	n/a
0119	20.42	18.45
2102	18.97	16.18
2101	18.97	17.18
1101	20.03	17.54
1230	n/a	n/a
1209	20.3	18.34
121A	n/a	n/a
1231	n/a	n/a
1232	n/a	n/a
1228	n/a	n/a
2201	19.29	17.31
1205	19.91	16.42
22YS	n/a	n/a
1229	n/a	n/a
0212	21.59	20.32
0211	21.51	20.6
0221	21.01	19.07
0207	21.19	18.14
021E	n/a	n/a
021C	n/a	n/a
0208	21.16	19.79
021B	n/a	n/a
0203	21.38	20.34
0204	21.38	19.6
0202	21.53	18.03
0224	21.49	19.58
0201	21.73	20.53
021A	n/a	n/a
0314	21.69	19.7
0313	22.58	20.95
0306	23.28	21.51
0311	22.55	20.25
0312	22.65	19.65
0307	23.28	21.51
0308	23.43	21.37
0309	23.06	21.21
0305	24.05	22.45
0101	20.8	20.03
0223	20.43	16.83
0225	20.7	17.89
0220	20.62	17.42
0222	20.64	19.12
0219	20.58	19.87
0217	20.89	19.57
0218	20.92	19.67
0214	21.13	18.51
0213	21.02	19.91
0215	n/a	n/a
0216	21.21	n/a
0206	20.71	17.51
0205	20.87	20.16
0102	21.02	19.09
0105	20.39	18.95
0003	21.26	19.8
0104	n/a	n/a
0002	21.34	18.61
0103	n/a	n/a

Manhole Reference	Manhole Cover Level	Manhole Invert Level
0001	n/a	n/a
001A	n/a	n/a
0005	21.41	20.55
0004	21.56	19.58
0106	20.97	19.51
0112	20.95	n/a
0111	20.48	18.77
0006	n/a	n/a
0110	20.85	19.33
0107	21.14	19.16
0007	21.2	19.05
0113	20.59	18.95
0114	20.45	18.6
0010	21.33	18.48
0009	21.34	19.98
0008	21.44	18.7
0108	20.62	19.84
0117	20.2	18.72
0116	20.54	18.47

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

ALS Sewer Map Key

Public Sewer Types (Operated & Maintained by Thames Water)

Foul: A sewer designed to convey waste water from domestic and industrial sources to a treatment works.

Surface Water: A sewer designed to convey surface water (e.g. rain water from roofs, yards and car parks) to rivers or watercourses.

Combined: A sewer designed to convey both waste water and surface water from domestic and industrial sources to a treatment works.

Trunk Surface Water

Trunk Foul

Storm Relief

Trunk Combined

Vent Pipe

Bio-solids (Sludge)

Proposed Thames Surface Water Sewer

Proposed Thames Water Foul Sewer

Gallery

Foul Rising Main

Surface Water Rising Main

Combined Rising Main

Sludge Rising Main

Proposed Thames Water Rising Main

Vacuum

Sewer Fittings

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

Air Valve

Dam Chase

Fitting

Meter

Vent Column

Operational Controls

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

Control Valve

Drop Pipe

Ancillary

Weir

End Items

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

Outfall

Undefined End

Inlet

Other Symbols

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

Public/Private Pumping Station

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

Invert Level

Summit

Areas

Lines denoting areas of underground surveys, etc.

Agreement

Operational Site

Chamber

Tunnel

Conduit Bridge

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

Foul Sewer

Surface Water Sewer

Combined Sewer

Gulley

Culverted Watercourse

Proposed

Abandoned Sewer

Notes:

1) All levels associated with the plans are to Ordnance Datum Newlyn.

2) All measurements on the plans are metric.

3) Arrows (on gravity fed sewers) or flecks (on rising mains) indicate direction of flow.

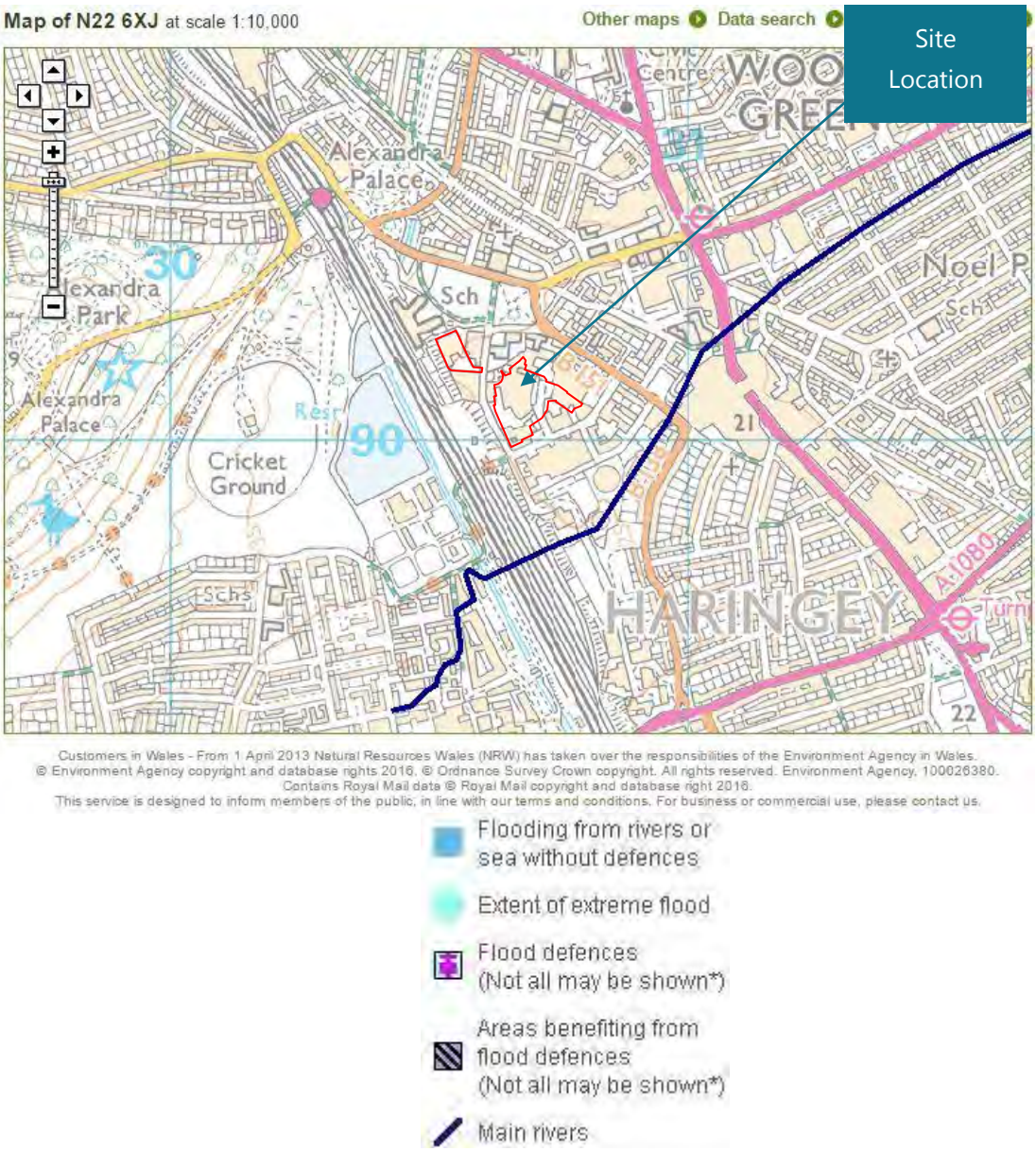
4) Most private pipes are not shown on our plans, as in the past, this information has not been recorded.

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.

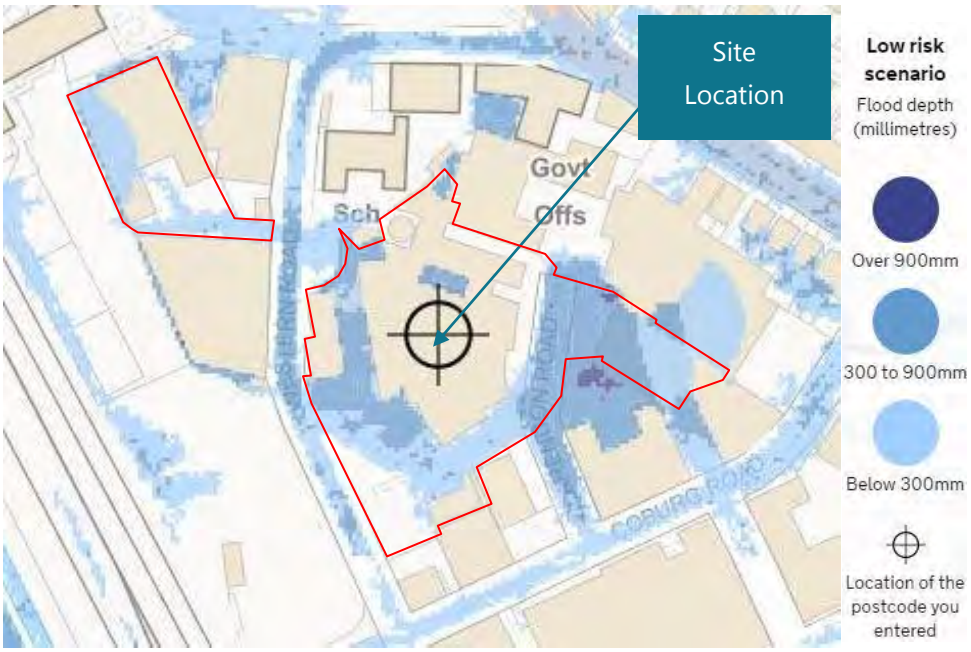
Appendix C

Environment Agency Flood & Groundwater Maps

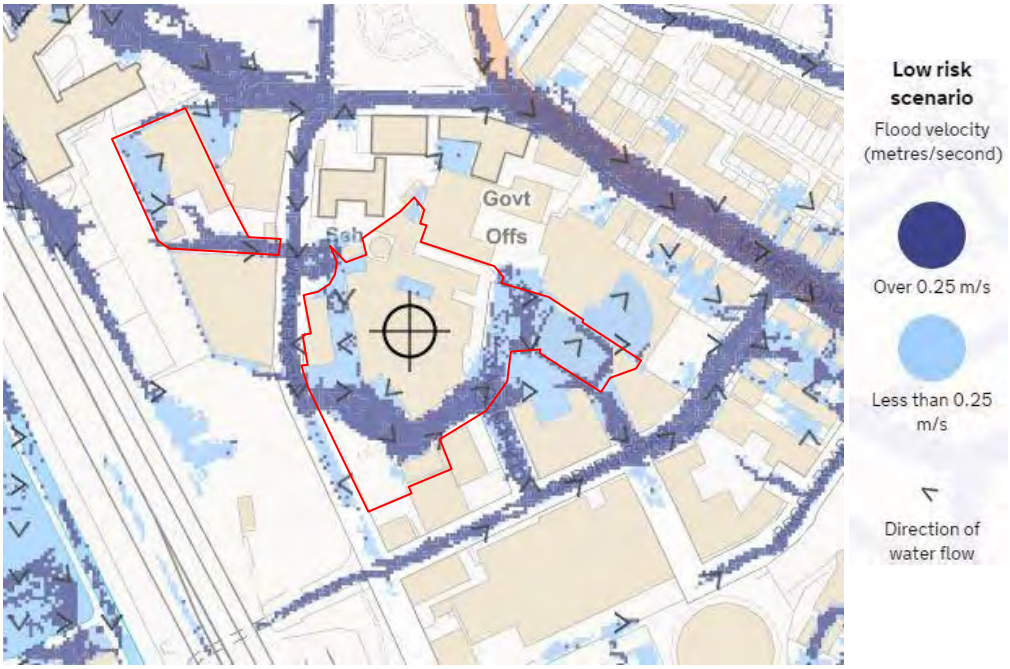


EA's Online Flood Map for Planning (Rivers and Seas)

The vast majority of the site is in fluvial Flood Zone 1 (FZ1) with a triangle at the NE corner in Flood Zone 3A (FZ3A)

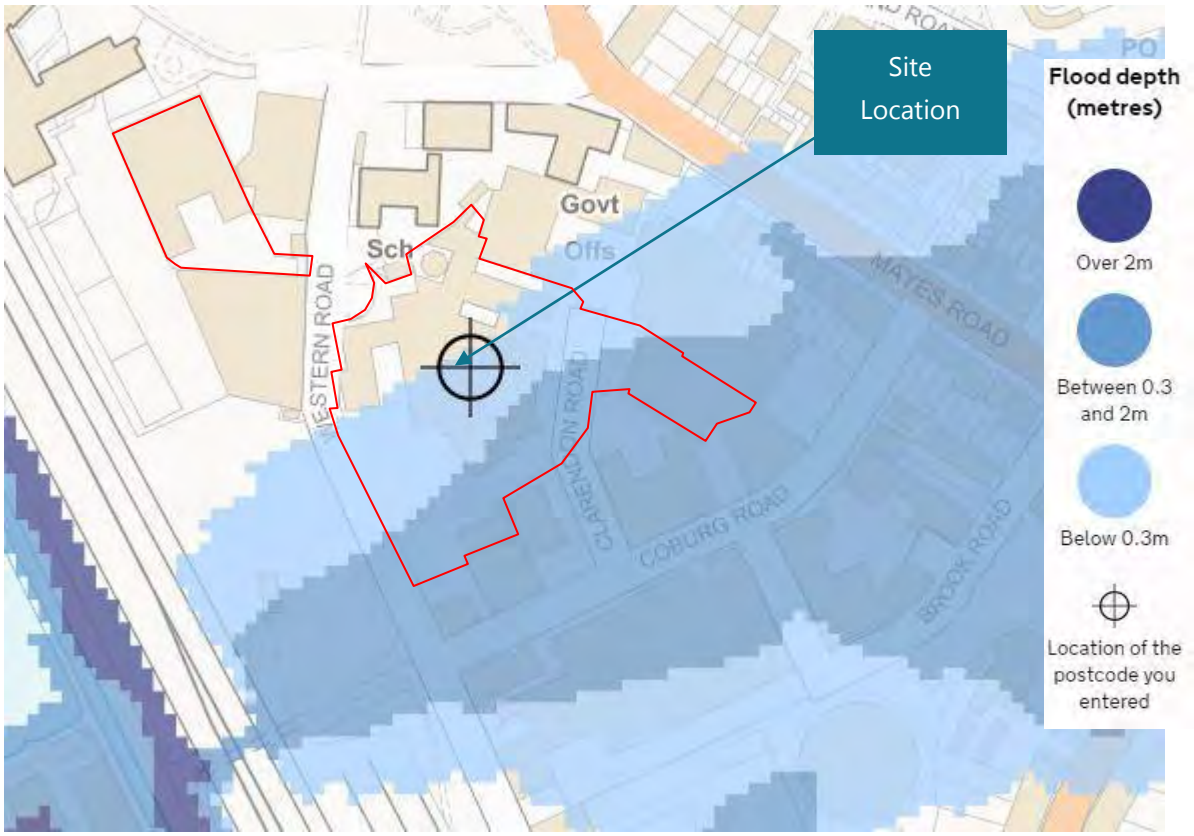


EA's Online Surface Water Flood Depth Map in the 'Low Risk Scenario'
(1 in 1000 years storm event)



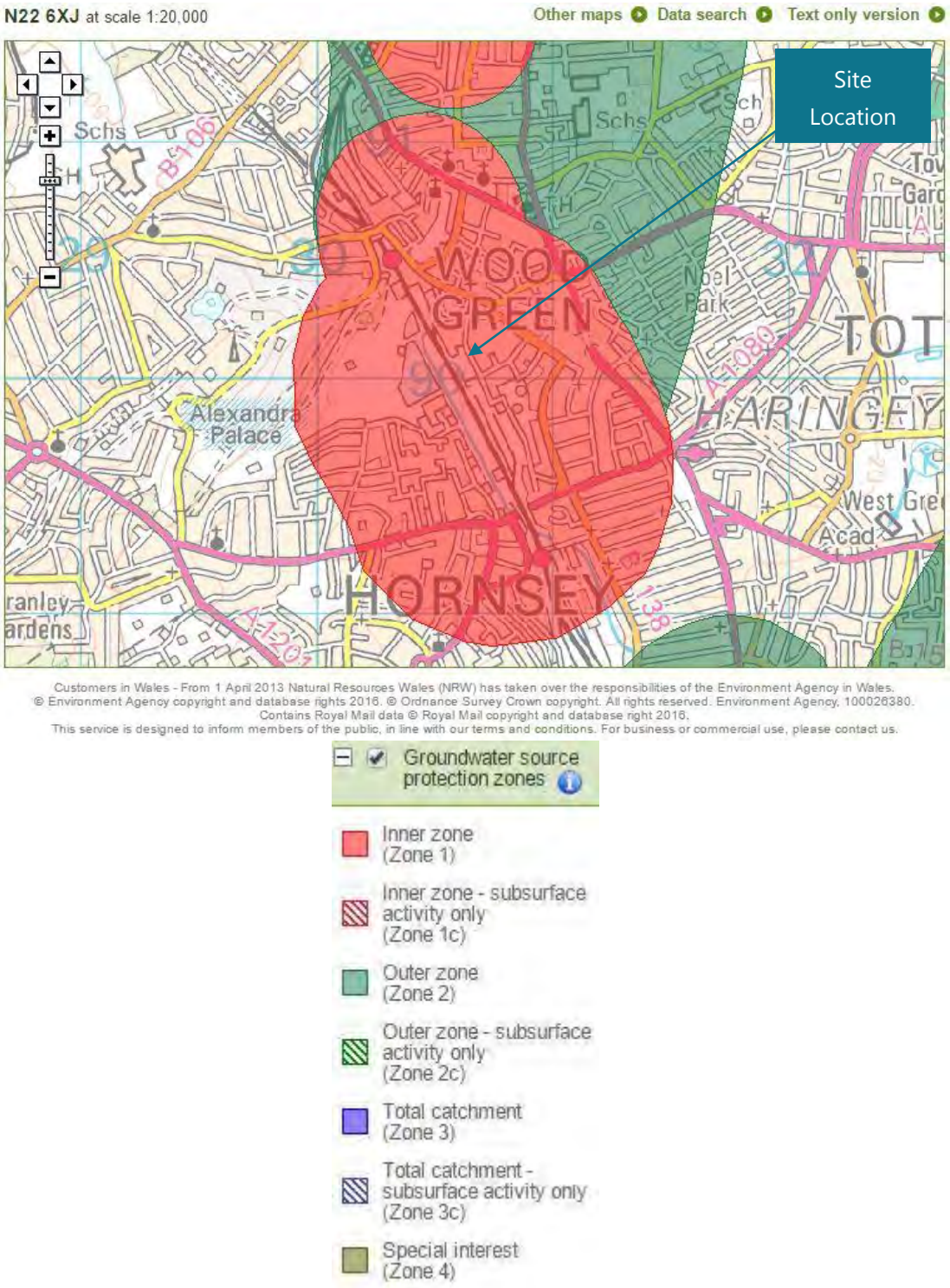
EA's Online Surface Water Flood Velocity Map in the 'Low Risk Scenario'
(1 in 1000 years storm event)

The site is affected by overland flow routes, which flow east and south; the maximum flood depth is 0.9m and the velocity will exceed 0.25m/s in places



EA's Online Flood Risk from Reservoirs – Flood Depth - Map

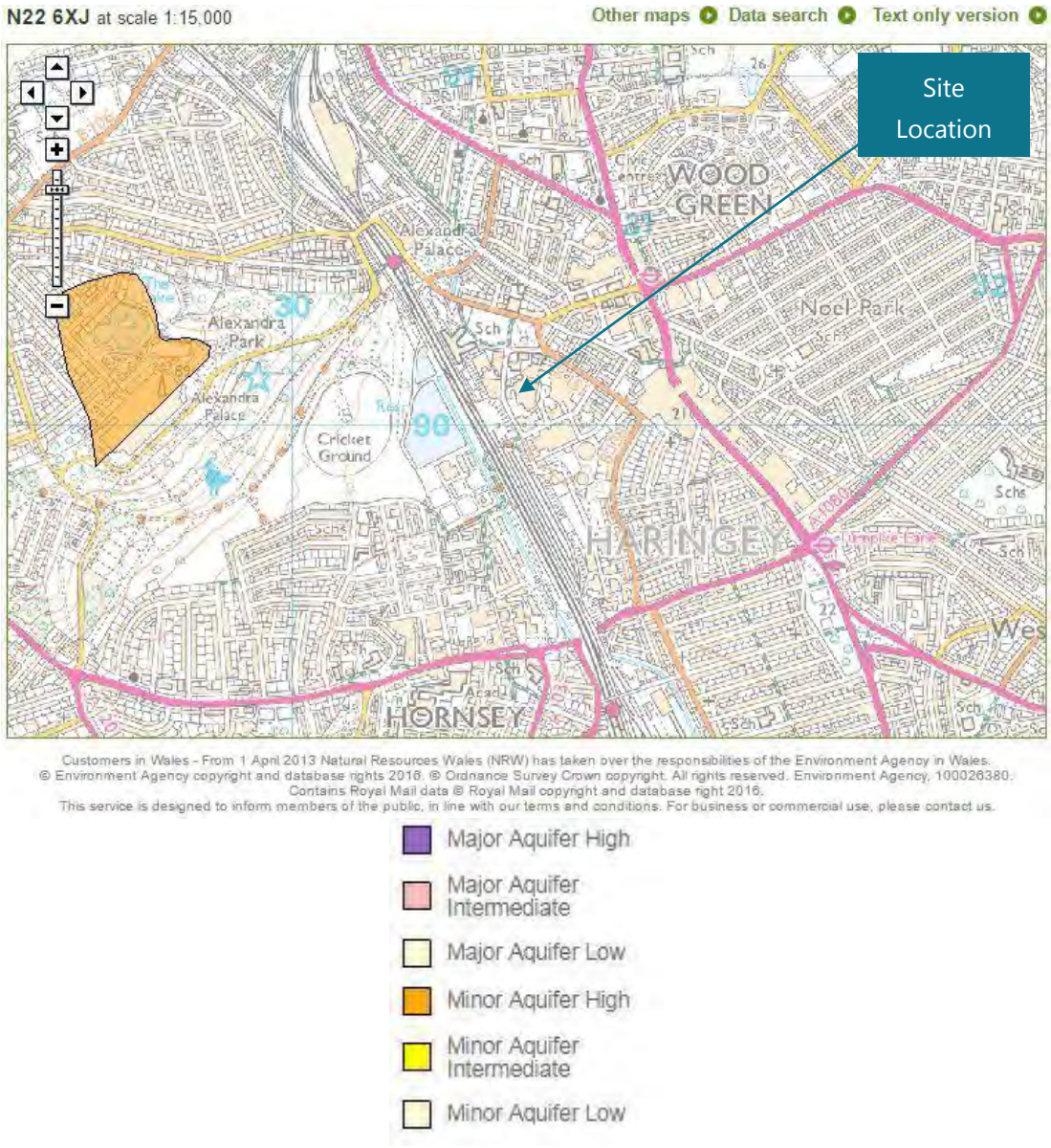
The south half of the site is in an area susceptible to flooding if the nearby Hornsey Reservoir, to the west of the railway tracks, were to fail



Environment Agency's Groundwater Source Protection Zones Map

The site is in an 'Inner Zone (Zone 1)'

Because the site does not overlie an aquifer it is deduced/contended that this zone is not a *groundwater* source, as such, but a *reservoir* source - water protection zone



Environment Agency's Groundwater Vulnerability Zone Map

The site is removed from the nearest aquifer

Appendix D

Proposed Scheme Drawings Including Drainage Strategy

The scaling of this drawing cannot be assured

Revision		Date	Drn	Ckd
A	Changes to vehicle tracking	18.09.17	MV	RW

Tree Planting

Trees

Number	Abbreviation	Species	Height
9 No.	BEPE	Betula pendula	1.5-2.0m
2 No.	BET JAC	Betula utilis jacquemontii	4.0-5.0m
6 No.	AI	Amelanchier lamarckii	2.5-3.0m
2 No.	RHTY	Rhus typhina	2.5-3.0m
12 No.	PRU TIB	Prunus serrula tibetica	3.0m

Conifers

Number	Abbreviation	Species	Height
7 No.	Gb	Ginkgo biloba	450-500cm

Street Planting Mix

Shrubs

Number	Abbreviation	Species	Density
114 No.	PAC TER	Pachysandra terminalis	5/m²
39 No.	PeBS	Perovskia 'Blue Spire'	5/m²

Herbaceous

Number	Abbreviation	Species	Density
82 No.	ACH PAS	Achillea millefolium 'Summer Pastels'	5/m²
60 No.	CARTE	Carex testacea	5/m²
60 No.	ECH PUR	Echinacea purpurea	5/m²
71 No.	EcHD	Euphorbia characias 'Humpty Dumpty'	5/m²
60 No.	HEL ORI	Helleborus orientalis	5/m²
39 No.	HeM	Heuchera 'Marmalade'	5/m²
60 No.	SAL PUR	Salvia officinalis 'Purpurascens'	5/m²
60 No.	SED HER	Sedum 'Herbstfreude'	5/m²

Climbers

Number	Abbreviation	Species	Density
114 No.	HED HEL	Hedera helix	5/m²
60 No.	HED CRI	Hedera helix 'Parsley Crested'	5/m²

Bulbs

Number	Abbreviation	Species	Density
16 No.	Alg	Allium giganteum	5/m²

Ferns

Number	Abbreviation	Species	Density
26 No.	DRY WAL	Dryopteris wallichiana	5/m²

Grasses

Number	Abbreviation	Species	Density
60 No.	HAK MAC	Hakonechloa macra	5/m²
60 No.	LIMU	Liriope muscari	5/m²
94 No.	She	Sporobolus heterolepis	5/m²
114 No.	Ste	Stipa tenuissima	5/m²

Native Plant Mix

Shrubs

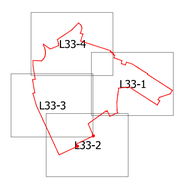
Number	Abbreviation	Species	Density
68 No.	COR SAN	Cornus sanguinea	3/m²
51 No.	Cav	Corylus avellana	3/m²
51 No.	Csc	Cytisus scoparius	3/m²
51 No.	Ia	Ilex aquifolium	3/m²
51 No.	LIG VUL	Ligustrum vulgare	3/m²
51 No.	ROS PIM	Rosa pimpinellifolia	3/m²
51 No.	Rac	Ruscus aculeatus	3/m²
51 No.	VIB OPU	Viburnum opulus	3/m²

LEGEND

- Staffordshire clay patterned paver, herringbone bond ,200 x 100 x 65mm, blue
- Clay paver, herringbone bond, 200mmx65mmx85mm, buff, auburn, Olive, yellow colour combination
- Flush granite kerb, 150x150xvaries, silver grey
- Sloped profile granite kerb, 250x250xvaries, silver grey
- Clay paver, stretcher bond, 200mmx65mmx85mm, black
- PCC block paver, stretcher bond, varies x 85mm, grey
- Wet pour rubber play surface
- Proposed Lawn
- Metal stud road demarcation every 1m, stainless steel

1. Steel vehicle bollard, 900mm high, circular section, powder coated in various colours
2. Lamp post
3. Cotinary lighting
4. Timber bench
5. Tree pit
6. Timber seating steps
7. Bespoke folded steel benches, powder coated: various colours, 500mm high
8. Feature artwork
9. Steel railing, powder coated: black, 900mm high
10. Bike Rack
11. Tactile Paving, 300x300x50mm, blue clay paver material to match adjacent paving
12. Ramp
13. Play equipment
14. In situ concrete slabs, brush finished in different directions, 10mm weathering steel edges
15. Bio-Diverse Roof
16. Brick bin store
17. Undercroft Parking Vent
18. Two tier cycle parking stand (32 spcs)

Proposed Tree



NOT FOR CONSTRUCTION

Project
Chocolate Factory
Wood Green

Drawing Title
Detailed Landscape Masterplan
Sheet 1 of 5

Date	Scale	Drawn by	Check by
07.01.16	1:100	MV	JH

Project No	Drawing No	Revision
18027	L33-01	A

BARTON WILLMORE
Planning ● Master Planning & Urban Design
Architecture ● Landscape Planning & Design ● Project Services
Environmental & Sustainability Assessment ● Graphic Design
bartonwillmore.co.uk
Offices at Reading London Bristol Cambridge Cardiff Ebbsfleet Edinburgh Leeds Manchester Solihull

Reproduced from the Ordnance Survey Map with the permission of the Controller of HMSO. Crown Copyright Reserved. Licence No. 100019279.

Tree Planting

Trees

Number	Abbreviation	Species	Height
9 No.	BEPE	Betula pendula	1.5-2.0m
2 No.	BET JAC	Betula utilis jacquemontii	4.0-5.0m
6 No.	AI	Amelanchier lamarckii	2.5-3.0m
2 No.	RHTY	Rhus typhina	2.5-3.0m
12 No.	PRU TIB	Prunus serrula tibetica	3.0m

Conifers

Number	Abbreviation	Species	Height
7 No.	Gb	Ginkgo biloba	450-500cm

Street Planting Mix

Shrubs

Number	Abbreviation	Species	Density
114 No.	PAC TER	Pachysandra terminalis	5/m²
39 No.	PeBS	Perovskia 'Blue Spire'	5/m²

Herbaceous

Number	Abbreviation	Species	Density
82 No.	ACH PAS	Achillea millefolium 'Summer Pastels'	5/m²
60 No.	CARTE	Carex testacea	5/m²
60 No.	ECH PUR	Echinacea purpurea	5/m²
71 No.	EcHD	Euphorbia characias 'Humpty Dumpty'	5/m²
60 No.	HEL ORI	Helleborus orientalis	5/m²
39 No.	HeM	Heuchera 'Marmalade'	5/m²
60 No.	SAL PUR	Salvia officinalis 'Purpurascens'	5/m²
60 No.	SED HER	Sedum 'Herbstfreude'	5/m²

Climbers

Number	Abbreviation	Species	Density
114 No.	HED HEL	Hedera helix	5/m²
60 No.	HED CRI	Hedera helix 'Parsley Crested'	5/m²

Bulbs

Number	Abbreviation	Species	Density
16 No.	Alg	Allium giganteum	5/m²

Ferns

Number	Abbreviation	Species	Density
26 No.	DRY WAL	Dryopteris wallichiana	5/m²

Grasses

Number	Abbreviation	Species	Density
60 No.	HAK MAC	Hakonechloa macra	5/m²
60 No.	LIMU	Liriope muscari	5/m²
94 No.	She	Sporobolus heterolepis	5/m²
114 No.	Ste	Stipa tenuissima	5/m²



The scaling of this drawing cannot be assured

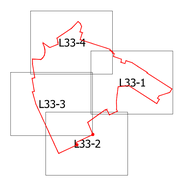
Revision		Date	Drn	Ckd
A	Changes to vehicle tracking	18.09.17	MV	RW

LEGEND

- Staffordshire clay patterned paver, herringbone bond ,200 x 100 x 65mm, blue
- Clay paver, herringbone bond, 200mmx65mmx85mm, buff, auburn, Olive, yellow colour combination
- Flush granite kerb, 150x150xvaries, silver grey
- Sloped profile granite kerb, 250x250xvaries, silver grey
- Clay paver, stretcher bond, 200mmx65mmx85mm, black
- PCC block paver, stretcher bond, varies x 85mm, grey
- Wet pour rubber play surface
- Proposed Lawn
- Metal stud road demarcation every 1m, stainless steel

1. Steel vehicle bollard, 900mm high, circular section, powder coated in various colours
2. Lamp post
3. Cotinary lighting
4. Timber bench
5. Tree pit
6. Timber seating steps
7. Bespoke folded steel benches, powder coated: various colours, 500mm high
8. Feature artwork
9. Steel railing, powder coated: black, 900mm high
10. Bike Rack
11. Tactile Paving, 300x300x50mm, blue clay paver material to match adjacent paving
12. Ramp
13. Play equipment
14. In situ concrete slabs, brush finished in different directions, 10mm weathering steel edges
15. Bio-Diverse Roof
16. Brick bin store
17. Undercroft Parking Vent
18. Two tier cycle parking stand (32 spcs)

Proposed Tree



NOT FOR CONSTRUCTION

Project
Chocolate Factory
Wood Green

Drawing Title
Detailed Landscape Masterplan
Sheet 2 of 5

Date	Scale	Drawn by	Check by
07.01.16	1:100	MV	JH

Project No	Drawing No	Revision
18027	L33-02	A

BARTON WILLMORE
Planning • Master Planning & Urban Design
Architecture • Landscape Planning & Design • Project Services
Environmental & Sustainability Assessment • Graphic Design
bartonwillmore.co.uk
Offices at Reading London Bristol Cambridge Cardiff Ebbsfleet Edinburgh Leeds Manchester Solihull

Reproduced from the Ordnance Survey Map with the permission of the Controller of HMSO. Crown Copyright Reserved. Licence No. 100019279.

The scaling of this drawing cannot be assured

Revision		Date	Drn	Ckd
A	Changes to vehicle tracking	18.09.17	MV	RW

LEGEND

- Staffordshire clay patterned paver, herringbone bond ,200 x 100 x 65mm, blue
- Clay paver, herringbone bond, 200mmx65mmx85mm, buff, auburn, Olive, yellow colour combination
- Flush granite kerb, 150x150xvaries, silver grey
- Sloped profile granite kerb, 250x250xvaries, silver grey
- Clay paver, stretcher bond, 200mmx65mmx85mm, black
- PCC block paver, stretcher bond, varies x 85mm, grey
- Wet pour rubber play surface
- Proposed Lawn
- Metal stud road demarcation every 1m, stainless steel
1. Steel vehicle bollard, 900mm high, circular section, powder coated in various colours
2. Lamp post
3. Cotinary lighting
4. Timber bench
5. Tree pit
6. Timber seating steps
7. Bespoke folded steel benches, powder coated: various colours, 500mm high
8. Feature artwork
9. Steel railing, powder coated: black, 900mm high
10. Bike Rack
11. Tactile Paving, 300x300x50mm, blue clay paver material to match adjacent paving
12. Ramp
13. Play equipment
14. In situ concrete slabs, brush finished in different directions, 10mm weathering steel edges
15. Bio-Diverse Roof
16. Brick bin store
17. Undercroft Parking Vent
18. Two tier cycle parking stand (32 spcs)
- Proposed Tree

Tree Planting

Trees

Number	Abbreviation	Species	Height
9 No.	BEPE	Betula pendula	1.5-2.0m
2 No.	BET JAC	Betula utilis jacquemontii	4.0-5.0m
6 No.	AI	Amelanchier lamarckii	2.5-3.0m
2 No.	RHTY	Rhus typhina	2.5-3.0m
12 No.	PRU TIB	Prunus serrula tibetica	3.0m

Conifers

Number	Abbreviation	Species	Height
7 No.	Gb	Ginkgo biloba	450-500cm

Street Planting Mix

Shrubs

Number	Abbreviation	Species	Density
114 No.	PAC TER	Pachysandra terminalis	5/m²
39 No.	PeBS	Perovskia 'Blue Spire'	5/m²

Herbaceous

Number	Abbreviation	Species	Density
82 No.	ACH PAS	Achillea millefolium 'Summer Pastels'	5/m²
60 No.	CARTE	Carex testacea	5/m²
60 No.	ECH PUR	Echinacea purpurea	5/m²
71 No.	EcHD	Euphorbia characias 'Humpty Dumpty'	5/m²
60 No.	HEL ORI	Helleborus orientalis	5/m²
39 No.	HeM	Heuchera 'Marmalade'	5/m²
60 No.	SAL PUR	Salvia officinalis 'Purpurascens'	5/m²
60 No.	SED HER	Sedum 'Herbstfreude'	5/m²

Climbers

Number	Abbreviation	Species	Density
114 No.	HED HEL	Hedera helix	5/m²
60 No.	HED CRI	Hedera helix 'Parsley Crested'	5/m²

Bulbs

Number	Abbreviation	Species	Density
16 No.	Alg	Allium giganteum	5/m²

Ferns

Number	Abbreviation	Species	Density
26 No.	DRY WAL	Dryopteris wallichiana	5/m²

Grasses

Number	Abbreviation	Species	Density
60 No.	HAK MAC	Hakonechloa macra	5/m²
60 No.	LIMU	Liriope muscari	5/m²
94 No.	She	Sporobolus heterolepis	5/m²
114 No.	Ste	Stipa tenuissima	5/m²

Reproduced from the Ordinance Survey Map with the permission of the Controller of HMSO. Crown Copyright Reserved. Licence No. 100019279.

NOT FOR CONSTRUCTION

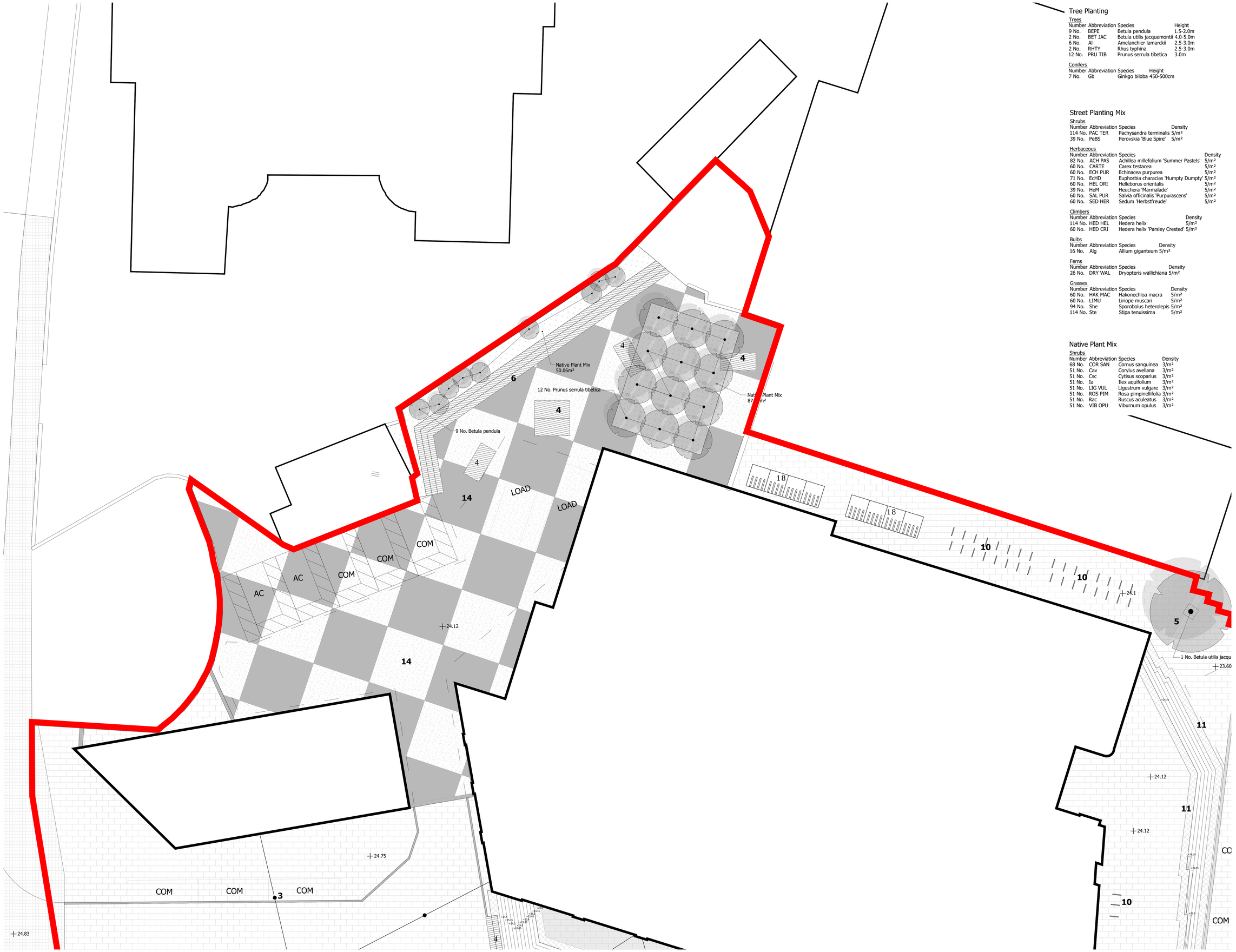
Project
Chocolate Factory
Wood Green

Drawing Title
Detailed Landscape Masterplan
Sheet 3 of 5

Date	Scale	Drawn by	Check by
07.01.16	1:100@A0	MV	JH

Project No	Drawing No	Revision
18027	L33-03	A

BARTON WILLMORE
Planning ● Master Planning & Urban Design
Architecture ● Landscape Planning & Design ● Project Services
Environmental & Sustainability Assessment ● Graphic Design
bartonwillmore.co.uk
Offices at Reading London Bristol Cambridge Cardiff Ebbsfleet Edinburgh Leeds Manchester Solihull



Reproduced from the Ordnance Survey Map with the permission of the Controller of HMSO. Crown Copyright Reserved. Licence No. 100019279.

Tree Planting

Trees

Number	Abbreviation	Species	Height
9 No.	BEPE	Betula pendula	1.5-2.0m
2 No.	BET JAC	Betula utilis jacquemontii	4.0-5.0m
6 No.	AI	Amelanchier lamarckii	2.5-3.0m
2 No.	RHTY	Rhus typhina	2.5-3.0m
12 No.	PRU TIB	Prunus serrula tibetica	3.0m

Conifers

Number	Abbreviation	Species	Height
7 No.	Gb	Ginkgo biloba	450-500cm

Street Planting Mix

Shrubs

Number	Abbreviation	Species	Density
114 No.	PAC TER	Pachysandra terminalis	5/m²
39 No.	PeBS	Perovskia 'Blue Spire'	5/m²

Herbaceous

Number	Abbreviation	Species	Density
82 No.	ACH PAS	Achillea millefolium 'Summer Pastels'	5/m²
60 No.	CARTE	Carex testacea	5/m²
60 No.	ECH PUR	Echinacea purpurea	5/m²
71 No.	EcHD	Euphorbia characias 'Humpty Dumpty'	5/m²
60 No.	HEL ORI	Helleborus orientalis	5/m²
39 No.	HeM	Heuchera 'Marmalade'	5/m²
60 No.	SAL PUR	Salvia officinalis 'Purpurascens'	5/m²
60 No.	SED HER	Sedum 'Herbstfreude'	5/m²

Climbers

Number	Abbreviation	Species	Density
114 No.	HED HEL	Hedera helix	5/m²
60 No.	HED CRI	Hedera helix 'Parsley Crested'	5/m²

Bulbs

Number	Abbreviation	Species	Density
16 No.	Alg	Allium giganteum	5/m²

Ferns

Number	Abbreviation	Species	Density
26 No.	DRY WAL	Dryopteris wallichiana	5/m²

Grasses

Number	Abbreviation	Species	Density
60 No.	HAK MAC	Hakonechloa macra	5/m²
60 No.	LIMU	Liriope muscari	5/m²
94 No.	She	Sporobolus heterolepis	5/m²
114 No.	Ste	Stipa tenuissima	5/m²

Native Plant Mix

Shrubs

Number	Abbreviation	Species	Density
68 No.	COR SAN	Cornus sanguinea	3/m²
51 No.	Cav	Corylus avellana	3/m²
51 No.	Csc	Cytisus scoparius	3/m²
51 No.	Ia	Ilex aquifolium	3/m²
51 No.	LIG VUL	Ligustrum vulgare	3/m²
51 No.	ROS PIM	Rosa pimpinellifolia	3/m²
51 No.	Rac	Ruscus aculeatus	3/m²
51 No.	VIB OPU	Viburnum opulus	3/m²

The scaling of this drawing cannot be assured

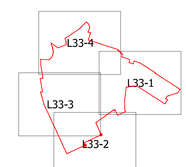
Revision		Date	Drn	Ckd
A	Changes to vehicle tracking	18.09.17	MV	RW

LEGEND

- Staffordshire clay patterned paver, herringbone bond ,200 x 100 x 65mm, blue
- Clay paver, herringbone bond, 200mmx65mmx85mm, buff, auburn, Olive, yellow colour combination
- Flush granite kerb, 150x150xvaries, silver grey
- Sloped profile granite kerb, 250x250xvaries, silver grey
- Clay paver, stretcher bond, 200mmx65mmx85mm, black
- PCC block paver, stretcher bond, varies x 85mm, grey
- Wet pour rubber play surface
- Proposed Lawn
- Metal stud road demarcation every 1m, stainless steel

1. Steel vehicle bollard, 900mm high, circular section, powder coated in various colours
2. Lamp post
3. Cotinary lighting
4. Timber bench
5. Tree pit
6. Timber seating steps
7. Bespoke folded steel benches, powder coated: various colours, 500mm high
8. Feature artwork
9. Steel railing, powder coated: black, 900mm high
10. Bike Rack
11. Tactile Paving, 300x300x50mm, blue clay paver material to match adjacent paving
12. Ramp
13. Play equipment
14. In situ concrete slabs, brush finished in different directions, 10mm weathering steel edges
15. Bio-Diverse Roof
16. Brick bin store
17. Undercroft Parking Vent
18. Two tier cycle parking stand (32 spcs)

- Proposed Tree



NOT FOR CONSTRUCTION

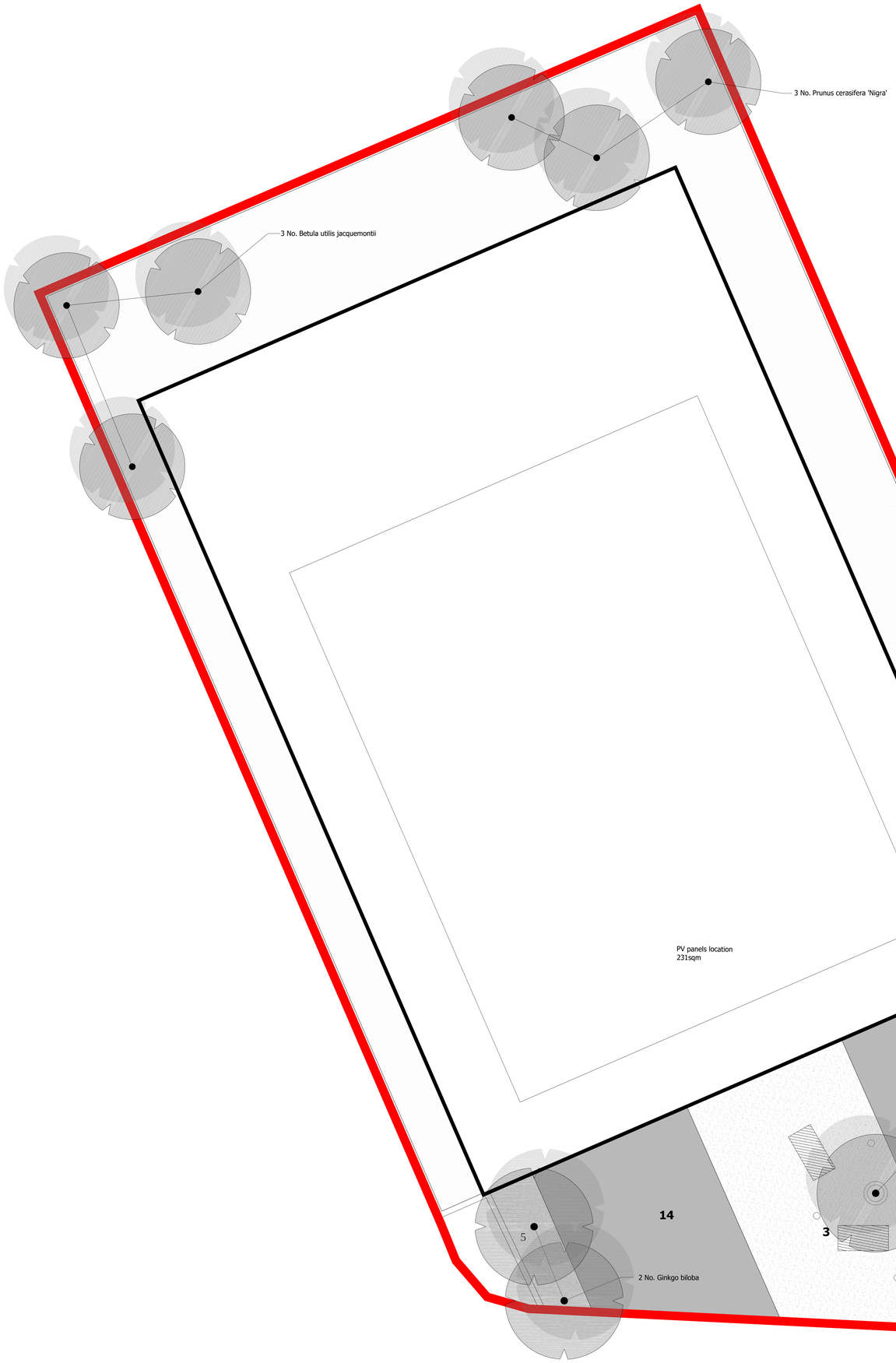
Project
Chocolate Factory
Wood Green

Drawing Title
Detailed Landscape Masterplan
Sheet 4 of 5

Date	Scale	Drawn by	Check by
07.01.16	1:100@A0	MV	JH

Project No	Drawing No	Revision
18027	L33-04	A

BARTON WILLMORE
Planning ● Master Planning & Urban Design
Architecture ● Landscape Planning & Design ● Project Services
Environmental & Sustainability Assessment ● Graphic Design
bartonwillmore.co.uk
Offices at Reading London Bristol Cambridge Cardiff Elstree Edinburgh Leeds Manchester Solihull



Tree Planting

Trees

Number	Abbreviation	Species	Height
4 No.	PcN	Prunus cerasifera 'Nigra'	5.0-6.0m
8 No.	BET JAC	Betula utilis jacquemontii	4.0-5.0m
9 No.	BEPE	Betula pendula	1.5-2.0m
2 No.	Sar	Sorbus aria	5.0-5.5m
15 No.	PRU TIB	Prunus serrula tibetica	3.0m
8 No.	Al	Amelanchier lamarckii	2.5-3.0m
2 No.	RHTY	Rhus typhina	2.5-3.0m

Conifers

Number	Abbreviation	Species	Height
9 No.	Gb	Ginkgo biloba	

Street Planting Mix

Shrubs

Number	Abbreviation	Species	Density
202 No.	PAC TER	Pachysandra terminalis	5/m²
70 No.	PeBS	Perovskia 'Blue Spire'	5/m²

Herbaceous

Number	Abbreviation	Species	Density
145 No.	ACH PAS	Achillea millefolium 'Summer Pastels'	5/m²
106 No.	CARTE	Carex testacea	5/m²
106 No.	ECH PUR	Echinacea purpurea	5/m²
127 No.	EcHD	Euphorbia characias 'Humpty Dumpty'	5/m²
106 No.	HEL ORI	Helleborus orientalis	5/m²
70 No.	HeM	Heuchera 'Marmalade'	5/m²
106 No.	SAL PUR	Salvia officinalis 'Purpurascens'	5/m²
106 No.	SED HER	Sedum 'Herbstfreude'	5/m²

Climbers

Number	Abbreviation	Species	Density
202 No.	HED HEL	Hedera helix	5/m²
106 No.	HED CRI	Hedera helix 'Parsley Crested'	5/m²

Bulbs

Number	Abbreviation	Species	Density
30 No.	Alg	Allium giganteum	5/m²

Ferns

Number	Abbreviation	Species	Density
47 No.	DRY WAL	Dryopteris wallichiana	5/m²

Grasses

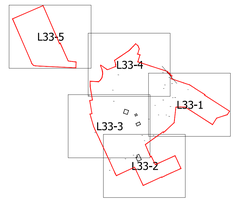
Number	Abbreviation	Species	Density
106 No.	HAK MAC	Hakonechloa macra	5/m²
106 No.	LIMU	Liriope muscari	5/m²
167 No.	Sho	Sporobolus heterolepis	5/m²
202 No.	Ste	Stipa tenuissima	5/m²

The scaling of this drawing cannot be assured

Revision	Date	Drn	Ckd

LEGEND

- Staffordshire clay patterned paver, herringbone bond ,200 x 100 x 65mm, blue
- Clay pavior, herringbone bond, 200mmx65mmx85mm, buff, auburn, Olive, yellow colour combination
- Flush granite kerb, 150x150xvaries, silver grey
- Sloped profile granite kerb, 250x250xvaries, silver grey
- Clay pavior, stretcher bond, 200mmx65mmx85mm, black
- PCC block paver, stretcher bond, varies x 85mm, grey
- Wet pour rubber play surface
- Proposed Lawn
- Metal stud road demarcation every 1m, stainless steel
1. Steel vehicle bollard, 900mm high, circular section, powder coated in various colours
2. Lamp post
3. Cotinary lighting
4. Timber bench
5. Tree pit
6. Timber seating steps
7. Bespoke folded steel benches, powder coated: various colours, 500mm high
8. Feature artwork
9. Steel railing, powder coated: black, 900mm high
10. Bike Rack
11. Tactile Paving, 300x300x50mm, blue clay paver material to match adjacent paving
12. Ramp
13. Play equipment
14. In situ concrete slabs, brush finished in different directions, 10mm weathering steel edges
- Proposed Tree



NOT FOR CONSTRUCTION

Project
Chocolate Factory
Wood Green

Drawing Title
Detailed Landscape Masterplan
Sheet 5 of 5

Date	Scale	Drawn by	Check by
07.01.16	1:100@A0	MV	JH

Project No	Drawing No	Revision
18027	L33-05	-

BARTON WILLMORE
Planning ● Master Planning & Urban Design
Architecture ● Landscape Planning & Design ● Project Services
Environmental & Sustainability Assessment ● Graphic Design
bartonwillmore.co.uk
Offices at Reading London Bristol Cambridge Cardiff Ebbsfleet Edinburgh Leeds Manchester Solihull

Reproduced from the Ordnance Survey Map with the permission of the Controller of HMSO. Crown Copyright Reserved. Licence No. 100019279.

The scaling of this drawing cannot be assured

Revision		Date	Drn	Ckd
A	Changes to vehicle tracking	18.09.17	MV	RW

LEGEND

- Staffordshire clay patterned paver, herringbone bond ,200 x 100 x 65mm, blue
- Clay paver, herringbone bond, 200mmx65mmx85mm, buff, auburn, Olive, yellow colour combination
- Flush granite kerb, 150x150xvaries, silver grey
- Sloped profile granite kerb, 250x250xvaries, silver grey
- Clay paver, stretcher bond, 200mmx65mmx85mm, black
- PCC block paver, stretcher bond, varies x 85mm, grey
- Wet pour rubber play surface
- Proposed Lawn
- Metal stud road demarcation every 1m, stainless steel

1. Steel vehicle bollard, 900mm high, circular section, powder coated in various colours
2. Lamp post
3. Cotinary lighting
4. Timber bench
5. Tree pit
6. Timber seating steps
7. Bespoke folded steel benches, powder coated: various colours, 500mm high
8. Feature artwork
9. Steel railing, powder coated: black, 900mm high
10. Bike Rack
11. Tactile Paving, 300x300x50mm, blue clay paver material to match adjacent paving
12. Ramp
13. Play equipment
14. In situ concrete slabs, brush finished in different directions, 10mm weathering steel edges
15. Bio-Diverse Roof
16. Brick bin store
17. Undercroft Parking Vent
18. Two tier cycle parking stand (32 spcs)

Proposed Tree

Tree Planting

Trees

Number	Abbreviation	Species	Height
9 No.	BEPE	Betula pendula	1.5-2.0m
2 No.	BET JAC	Betula utilis jacquemontii	4.0-5.0m
6 No.	AI	Amelanchier lamarckii	2.5-3.0m
2 No.	RHTY	Rhus typhina	2.5-3.0m
12 No.	PRU TIB	Prunus serrula tibetica	3.0m

Conifers

Number	Abbreviation	Species	Height
7 No.	Gb	Ginkgo biloba	450-500cm

Street Planting Mix

Shrubs

Number	Abbreviation	Species	Density
114 No.	PAC TER	Pachysandra terminalis	5/m²
39 No.	PeBS	Perovskia 'Blue Spire'	5/m²

Herbaceous

Number	Abbreviation	Species	Density
82 No.	ACH PAS	Achillea millefolium 'Summer Pastels'	5/m²
60 No.	CARTE	Carex testacea	5/m²
60 No.	ECH PUR	Echinacea purpurea	5/m²
71 No.	EcHD	Euphorbia characias 'Humpty Dumpty'	5/m²
60 No.	HEL ORI	Helleborus orientalis	5/m²
39 No.	HeM	Heuchera 'Marmalade'	5/m²
60 No.	SAL PUR	Salvia officinalis 'Purpurascens'	5/m²
60 No.	SED HER	Sedum 'Herbstfreude'	5/m²

Climbers

Number	Abbreviation	Species	Density
114 No.	HED HEL	Hedera helix	5/m²
60 No.	HED CRI	Hedera helix 'Parsley Crested'	5/m²

Bulbs

Number	Abbreviation	Species	Density
16 No.	Alg	Allium giganteum	5/m²

Ferns

Number	Abbreviation	Species	Density
26 No.	DRY WAL	Dryopteris wallichiana	5/m²

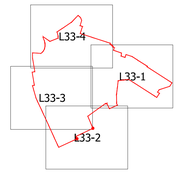
Grasses

Number	Abbreviation	Species	Density
60 No.	HAK MAC	Hakonechloa macra	5/m²
60 No.	LIMU	Liriope muscari	5/m²
94 No.	She	Sporobolus heterolepis	5/m²
114 No.	Ste	Stipa tenuissima	5/m²

Native Plant Mix

Shrubs

Number	Abbreviation	Species	Density
68 No.	COR SAN	Cornus sanguinea	3/m²
51 No.	Cav	Corylus avellana	3/m²
51 No.	Csc	Cytisus scoparius	3/m²
51 No.	Ia	Ilex aquifolium	3/m²
51 No.	LIG VUL	Ligustrum vulgare	3/m²
51 No.	ROS PIM	Rosa pimpinellifolia	3/m²
51 No.	Rac	Ruscus aculeatus	3/m²
51 No.	VIB OPU	Viburnum opulus	3/m²



NOT FOR CONSTRUCTION

Project
Chocolate Factory
Wood Green

Drawing Title
Detailed Landscape Masterplan
General Arrangement

Date	Scale	Drawn by	Check by
07.01.16	1:250@A0	MV	JH

Project No	Drawing No	Revision
18027	L33-06	A

BARTON WILLMORE
Planning ▪ Master Planning & Urban Design
Architecture ▪ Landscape Planning & Design ▪ Project Services
Environmental & Sustainability Assessment ▪ Graphic Design
bartonwillmore.co.uk
Offices at Reading London Bristol Cambridge Cardiff Ebbsfleet Edinburgh Leeds Manchester Solihull

Reproduced from the Ordnance Survey Map with the permission of the Controller of HMSO. Crown Copyright Reserved. Licence No. 100019279.

The scaling of this drawing cannot be assured

Revision		Date	Drn	Ckd
A	Changes to vehicle tracking	18.09.17	MV	RW

LEGEND

- Staffordshire clay patterned paver, herringbone bond ,200 x 100 x 65mm, blue
- Clay paver, herringbone bond, 200mmx65mmx85mm, buff, auburn, Olive, yellow colour combination
- Flush granite kerb, 150x150xvaries, silver grey
- Sloped profile granite kerb, 250x250xvaries, silver grey
- Clay paver, stretcher bond, 200mmx65mmx85mm, black
- PCC block paver, stretcher bond, varies x 85mm, grey
- Wet pour rubber play surface
- Proposed Lawn
- Metal stud road demarcation every 1m, stainless steel

1. Steel vehicle bollard, 900mm high, circular section, powder coated in various colours
2. Lamp post
3. Cotinary lighting
4. Timber bench
5. Tree pit
6. Timber seating steps
7. Bespoke folded steel benches, powder coated: various colours, 500mm high
8. Feature artwork
9. Steel railing, powder coated: black, 900mm high
10. Bike Rack
11. Tactile Paving, 300x300x50mm, blue clay paver material to match adjacent paving
12. Ramp
13. Play equipment
14. In situ concrete slabs, brush finished in different directions, 10mm weathering steel edges
15. Bio-Diverse Roof
16. Brick bin store
17. Undercroft Parking Vent
18. Two tier cycle parking stand (32 spcs)

Proposed Tree

Tree Planting

Trees

Number	Abbreviation	Species	Height
9 No.	BEPE	Betula pendula	1.5-2.0m
2 No.	BET JAC	Betula utilis jacquemontii	4.0-5.0m
6 No.	AI	Amelanchier lamarckii	2.5-3.0m
2 No.	RHTY	Rhus typhina	2.5-3.0m
12 No.	PRU TIB	Prunus serrula tibetica	3.0m

Conifers

Number	Abbreviation	Species	Height
7 No.	Gb	Ginkgo biloba	450-500cm

Street Planting Mix

Shrubs

Number	Abbreviation	Species	Density
114 No.	PAC TER	Pachysandra terminalis	5/m²
39 No.	PeBS	Perovskia 'Blue Spire'	5/m²

Herbaceous

Number	Abbreviation	Species	Density
82 No.	ACH PAS	Achillea millefolium 'Summer Pastels'	5/m²
60 No.	CARTE	Carex testacea	5/m²
60 No.	ECH PUR	Echinacea purpurea	5/m²
71 No.	EcHD	Euphorbia characias 'Humpty Dumpty'	5/m²
60 No.	HEL ORI	Helleborus orientalis	5/m²
39 No.	HeM	Heuchera 'Marmalade'	5/m²
60 No.	SAL PUR	Salvia officinalis 'Purpurascens'	5/m²
60 No.	SED HER	Sedum 'Herbstfreude'	5/m²

Climbers

Number	Abbreviation	Species	Density
114 No.	HED HEL	Hedera helix	5/m²
60 No.	HED CRI	Hedera helix 'Parsley Crested'	5/m²

Bulbs

Number	Abbreviation	Species	Density
16 No.	Alg	Allium giganteum	5/m²

Ferns

Number	Abbreviation	Species	Density
26 No.	DRY WAL	Dryopteris wallichiana	5/m²

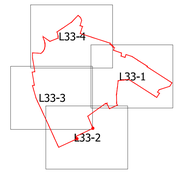
Grasses

Number	Abbreviation	Species	Density
60 No.	HAK MAC	Hakonechloa macra	5/m²
60 No.	LIMU	Liriope muscari	5/m²
94 No.	She	Sporobolus heterolepis	5/m²
114 No.	Ste	Stipa tenuissima	5/m²

Native Plant Mix

Shrubs

Number	Abbreviation	Species	Density
68 No.	COR SAN	Cornus sanguinea	3/m²
51 No.	Cav	Corylus avellana	3/m²
51 No.	Csc	Cytisus scoparius	3/m²
51 No.	Ia	Ilex aquifolium	3/m²
51 No.	LIG VUL	Ligustrum vulgare	3/m²
51 No.	ROS PIM	Rosa pimpinellifolia	3/m²
51 No.	Rac	Ruscus aculeatus	3/m²
51 No.	VIB OPU	Viburnum opulus	3/m²



NOT FOR CONSTRUCTION

Project
Chocolate Factory
Wood Green

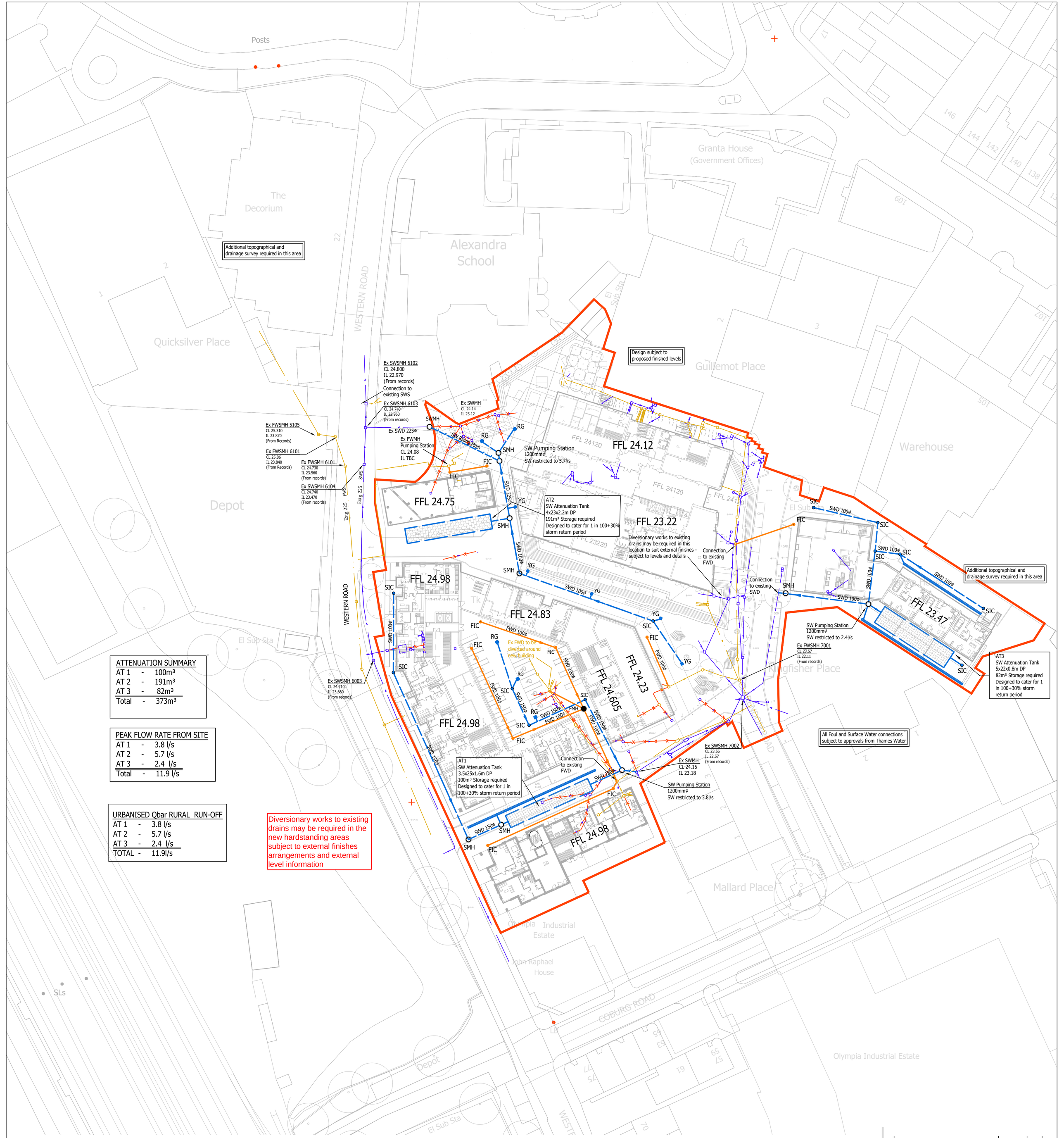
Drawing Title
Detailed Landscape Masterplan
General Arrangement

Date	Scale	Drawn by	Check by
07.01.16	1:250@A0	MV	JH

Project No	Drawing No	Revision
18027	L33-06	A

BARTON WILLMORE
Planning ▪ Master Planning & Urban Design
Architecture ▪ Landscape Planning & Design ▪ Project Services
Environmental & Sustainability Assessment ▪ Graphic Design
bartonwillmore.co.uk
Offices at Reading London Bristol Cambridge Cardiff Ebbsfleet Edinburgh Leeds Manchester Solihull

Reproduced from the Ordnance Survey Map with the permission of the Controller of HMSO. Crown Copyright Reserved. Licence No. 100019279.



ATTENUATION SUMMARY		
AT 1	-	100m³
AT 2	-	191m³
AT 3	-	82m³
Total	-	373m³

PEAK FLOW RATE FROM SITE		
AT 1	-	3.8 l/s
AT 2	-	5.7 l/s
AT 3	-	2.4 l/s
Total	-	11.9 l/s

URBANISED Qbar RURAL RUN-OFF		
AT 1	-	3.8 l/s
AT 2	-	5.7 l/s
AT 3	-	2.4 l/s
TOTAL	-	11.9l/s

Diversionary works to existing drains may be required in the new hardstanding areas subject to external finishes arrangements and external level information

KEY

- PROPOSED SURFACE WATER DRAIN
- PROPOSED FOUL WATER DRAIN
- EXISTING FOUL WATER SEWER/DRAIN
- EXISTING SURFACE WATER SEWER/DRAIN
- EXISTING SEWER TO BE ABANDONED
- GEOCELLULAR ATTENUATION TANK
- SIC — PROPOSED SURFACE WATER INSPECTION CHAMBER
- FIC — PROPOSED FOUL WATER INSPECTION CHAMBER
- YG — PROPOSED YARD GULLY
- RG — PROPOSED ROAD GULLY
- PROPOSED CHANNEL DRAIN
- FMH — PROPOSED FOUL WATER MANHOLE CHAMBER
- SMH — PROPOSED SURFACE WATER MANHOLE CHAMBER

GENERAL NOTES

1. The location, size, depth and identification of existing services that may be shown or referred to on this drawing have been assessed from non intrusive observations , record drawings or the like. The contractor shall safely carry out intrusive investigations, trial holes or soundings prior to commencing work to satisfy himself that it is safe to proceed and that the assessments are accurate. any discrepancies shall be notified to gta prior to works commencing.

2. Tender or billing drawings shall not be used for construction or the ordering of materials.

3. Do not scale. All dimensions and levels to be site confirmed.

4. This drawing shall be read in conjunction with all relevant architects, consultants drawings and specifications, together with H&S plan requirements

5. Copyright : This drawing must not be copied, amended nor reproduced without the prior written agreement of gta.

6. All drawings specifications and recommendations made by gta are subject to Local Authority and other relevant Statutory Authorities approval. Any works or services made abortive due to the client proceeding prior to these approvals is considered wholly at the Clients risk. gta hold no responsibility for resulting abortive works or costs.

NOTE:

THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE FLOOD RISK AND DESIGN REPORT FOR MORE DESIGN INFORMATION

DESIGN NOTES

1. STORAGE DESIGN BASED ON 1 IN 100 YR STORM + 30%.

2. DRAIN POINTS AND LOCATIONS TO BE CONFIRMED BY ARCHITECT.

3. CONTRACTOR TO ESTABLISH LOCATIONS OF ALL EXISTING SERVICES PRIOR TO COMMENCING.

4. EXISTING TREES TO BE PROTECTED WHERE EXCAVATIONS RUN CLOSE.

5. APPROVAL TO BE GAINED FROM TWU FOR CONNECTIONS TO SEWERS AND DISCHARGE RATES

Rev	Amendments	Date	Dsn	Chk
D	UPDATED TO SUIT REVISED LAYOUT	05.05.17	CS	
C	NOTE REGARDING EXISTING DRAINS ADDED	18.11.16	CS	
B	TANK SIZES REDUCED	13.10.16	CS	
A	UPDATED TO SUIT REVISED SITE PLAN	07.09.16	CS	
-	INITIAL ISSUE	30.08.16	CS	

Status: PRELIMINARY

Client: FURNESS & PARTNERSHIP

Architect:

Project: THE CHOCOLATE FACTORY WOOD GREEN, LONDON

Title: SURFACE AND FOUL DRAINAGE STRATEGY

Date	Scale @ A1
SEPTEMBER 2016	1:500
Base Layout Ref.	CAD File ref.
Clients Ref.	Project Ref. 6265

gta civils ltd
CONSULTING ENGINEERS
gloucester house, 66a church walk,
burgess hill, west sussex, rh15 9as
tel.01444 871444 fax.01444 871401 web: www.gtacivils.co.uk

Drawing Number	Rev.
6079/200	D

Appendix E

Drainage Calculations

ICP SUDS Mean Annual Flood

Input

Return Period (years)	100	Soil	0.500
Area (ha)	0.277	Urban	0.750
SAAR (mm)	667	Region Number	Region 6

Results l/s

QBAR Rural	1.4
QBAR Urban	3.8
Q100 years	7.8
Q1 year	3.3
Q30 years	6.7
Q100 years	7.8

©1982-2015 XP Solutions

ICP SUDS Mean Annual Flood

Input

Return Period (years)	1	Soil	0.500
Area (ha)	0.411	Urban	0.750
SAAR (mm)	667	Region Number	Region 6

Results	**l/s**
QBAR Rural	2.1
QBAR Urban	5.7
Q1 year	4.8
Q1 year	4.8
Q30 years	9.9
Q100 years	11.5

©1982-2012 Micro Drainage Ltd

ICP SUDS Mean Annual Flood

Input

Return Period (years)	100	Soil	0.500
Area (ha)	0.170	Urban	0.750
SAAR (mm)	667	Region Number	Region 6

Results l/s

QBAR Rural	0.9
QBAR Urban	2.4
Q100 years	4.8
Q1 year	2.0
Q30 years	4.1
Q100 years	4.8

©1982-2012 Micro Drainage Ltd

Summary of Results for 100 year Return Period (+30%)

Half Drain Time : 289 minutes.

Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Control (l/s)	Max Σ Outflow (l/s)	Max Volume (m³)	Status
15 min Summer	0.805	0.805	0.0	3.8	3.8	66.9	O K
30 min Summer	1.026	1.026	0.0	3.8	3.8	85.3	O K
60 min Summer	1.214	1.214	0.0	3.8	3.8	100.9	O K
120 min Summer	1.336	1.336	0.0	3.8	3.8	111.1	O K
180 min Summer	1.352	1.352	0.0	3.8	3.8	112.4	O K
240 min Summer	1.326	1.326	0.0	3.8	3.8	110.2	O K
360 min Summer	1.263	1.263	0.0	3.8	3.8	105.0	O K
480 min Summer	1.203	1.203	0.0	3.8	3.8	100.0	O K
600 min Summer	1.143	1.143	0.0	3.8	3.8	95.0	O K
720 min Summer	1.085	1.085	0.0	3.8	3.8	90.2	O K
960 min Summer	0.974	0.974	0.0	3.8	3.8	80.9	O K
1440 min Summer	0.774	0.774	0.0	3.8	3.8	64.3	O K
2160 min Summer	0.532	0.532	0.0	3.8	3.8	44.2	O K
2880 min Summer	0.359	0.359	0.0	3.8	3.8	29.8	O K
4320 min Summer	0.197	0.197	0.0	3.7	3.7	16.4	O K
5760 min Summer	0.159	0.159	0.0	3.0	3.0	13.2	O K
7200 min Summer	0.133	0.133	0.0	2.5	2.5	11.1	O K
8640 min Summer	0.115	0.115	0.0	2.2	2.2	9.6	O K
10080 min Summer	0.102	0.102	0.0	1.9	1.9	8.5	O K
15 min Winter	0.907	0.907	0.0	3.8	3.8	75.4	O K

Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Discharge Volume (m³)	Time-Peak (mins)
15 min Summer	137.494	0.0	71.1	25
30 min Summer	88.809	0.0	91.9	39
60 min Summer	54.549	0.0	112.9	68
120 min Summer	32.365	0.0	134.0	124
180 min Summer	23.543	0.0	146.2	182
240 min Summer	18.683	0.0	154.7	230
360 min Summer	13.462	0.0	167.2	286
480 min Summer	10.666	0.0	176.6	348
600 min Summer	8.898	0.0	184.2	414
720 min Summer	7.671	0.0	190.5	482
960 min Summer	6.064	0.0	200.8	616
1440 min Summer	4.349	0.0	216.0	878
2160 min Summer	3.115	0.0	232.1	1240
2880 min Summer	2.456	0.0	244.0	1588
4320 min Summer	1.755	0.0	261.5	2212
5760 min Summer	1.381	0.0	274.5	2944
7200 min Summer	1.147	0.0	284.8	3672
8640 min Summer	0.985	0.0	293.5	4408
10080 min Summer	0.866	0.0	301.0	5136
15 min Winter	137.494	0.0	79.6	25

©1982-2015 XP Solutions

Summary of Results for 100 year Return Period (+30%)

Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Control (l/s)	Max Σ Outflow (l/s)	Max Volume (m³)	Status
30 min Winter	1.158	1.158	0.0	3.8	3.8	96.2	O K
60 min Winter	1.376	1.376	0.0	3.8	3.8	114.4	O K
120 min Winter	1.529	1.529	0.0	3.8	3.8	127.1	O K
180 min Winter	1.562	1.562	0.0	3.8	3.8	129.9	O K
240 min Winter	1.547	1.547	0.0	3.8	3.8	128.6	O K
360 min Winter	1.466	1.466	0.0	3.8	3.8	121.9	O K
480 min Winter	1.388	1.388	0.0	3.8	3.8	115.4	O K
600 min Winter	1.306	1.306	0.0	3.8	3.8	108.5	O K
720 min Winter	1.222	1.222	0.0	3.8	3.8	101.6	O K
960 min Winter	1.057	1.057	0.0	3.8	3.8	87.8	O K
1440 min Winter	0.756	0.756	0.0	3.8	3.8	62.9	O K
2160 min Winter	0.406	0.406	0.0	3.8	3.8	33.8	O K
2880 min Winter	0.210	0.210	0.0	3.8	3.8	17.4	O K
4320 min Winter	0.149	0.149	0.0	2.8	2.8	12.3	O K
5760 min Winter	0.118	0.118	0.0	2.2	2.2	9.8	O K
7200 min Winter	0.098	0.098	0.0	1.9	1.9	8.1	O K
8640 min Winter	0.084	0.084	0.0	1.6	1.6	7.0	O K
10080 min Winter	0.074	0.074	0.0	1.4	1.4	6.2	O K

Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Discharge Volume (m³)	Time-Peak (mins)
30 min Winter	88.809	0.0	102.9	39
60 min Winter	54.549	0.0	126.5	68
120 min Winter	32.365	0.0	150.1	124
180 min Winter	23.543	0.0	163.7	180
240 min Winter	18.683	0.0	173.3	234
360 min Winter	13.462	0.0	187.3	330
480 min Winter	10.666	0.0	197.8	376
600 min Winter	8.898	0.0	206.3	452
720 min Winter	7.671	0.0	213.4	526
960 min Winter	6.064	0.0	225.0	672
1440 min Winter	4.349	0.0	242.0	940
2160 min Winter	3.115	0.0	260.0	1284
2880 min Winter	2.456	0.0	273.3	1536
4320 min Winter	1.755	0.0	292.9	2232
5760 min Winter	1.381	0.0	307.4	2944
7200 min Winter	1.147	0.0	319.0	3680
8640 min Winter	0.985	0.0	328.7	4408
10080 min Winter	0.866	0.0	337.1	5088

©1982-2015 XP Solutions

Rainfall Details

Rainfall Model	FSR	Winter Storms	Yes
Return Period (years)	100	Cv (Summer)	0.750
Region	England and Wales	Cv (Winter)	0.840
M5-60 (mm)	20.700	Shortest Storm (mins)	15
Ratio R	0.438	Longest Storm (mins)	10080
Summer Storms	Yes	Climate Change %	+30

Time Area Diagram

Total Area (ha) 0.276

Time From:	(mins) To:	Area (ha)	Time From:	(mins) To:	Area (ha)	Time From:	(mins) To:	Area (ha)
0	4	0.092	4	8	0.092	8	12	0.092

©1982-2015 XP Solutions

Model Details

Storage is Online Cover Level (m) 1.600

Cellular Storage Structure

Invert Level (m) 0.000 Safety Factor 2.0
Infiltration Coefficient Base (m/hr) 0.00000 Porosity 0.95
Infiltration Coefficient Side (m/hr) 0.00000

Depth (m)	Area (m²)	Inf. Area (m²)	Depth (m)	Area (m²)	Inf. Area (m²)
0.000	87.5	87.5	1.700	0.0	178.7
1.600	87.5	178.7			

Pump Outflow Control

Invert Level (m) 0.000

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.200	3.8000	1.800	3.8000	3.400	3.8000	5.000	3.8000
0.400	3.8000	2.000	3.8000	3.600	3.8000	5.200	3.8000
0.600	3.8000	2.200	3.8000	3.800	3.8000	5.400	3.8000
0.800	3.8000	2.400	3.8000	4.000	3.8000	5.600	3.8000
1.000	3.8000	2.600	3.8000	4.200	3.8000	5.800	3.8000
1.200	3.8000	2.800	3.8000	4.400	3.8000	6.000	3.8000
1.400	3.8000	3.000	3.8000	4.600	3.8000		
1.600	3.8000	3.200	3.8000	4.800	3.8000		

©1982-2015 XP Solutions

Summary of Results for 100 year Return Period (+30%)

Half Drain Time : 286 minutes.

Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Control (l/s)	Max Σ Outflow (l/s)	Max Volume (m³)	Status
15 min Summer	1.137	1.137	0.0	5.7	5.7	99.4	O K
30 min Summer	1.446	1.446	0.0	5.7	5.7	126.4	O K
60 min Summer	1.708	1.708	0.0	5.7	5.7	149.3	O K
120 min Summer	1.870	1.870	0.0	5.7	5.7	163.5	O K
180 min Summer	1.884	1.884	0.0	5.7	5.7	164.6	O K
240 min Summer	1.838	1.838	0.0	5.7	5.7	160.7	O K
360 min Summer	1.739	1.739	0.0	5.7	5.7	152.0	O K
480 min Summer	1.647	1.647	0.0	5.7	5.7	143.9	O K
600 min Summer	1.559	1.559	0.0	5.7	5.7	136.2	O K
720 min Summer	1.474	1.474	0.0	5.7	5.7	128.9	O K
960 min Summer	1.315	1.315	0.0	5.7	5.7	114.9	O K
1440 min Summer	1.028	1.028	0.0	5.7	5.7	89.9	O K
2160 min Summer	0.680	0.680	0.0	5.7	5.7	59.4	O K
2880 min Summer	0.431	0.431	0.0	5.7	5.7	37.7	O K
4320 min Summer	0.201	0.201	0.0	5.7	5.7	17.6	O K
5760 min Summer	0.160	0.160	0.0	4.6	4.6	14.0	O K
7200 min Summer	0.134	0.134	0.0	3.8	3.8	11.7	O K
8640 min Summer	0.115	0.115	0.0	3.3	3.3	10.1	O K
10080 min Summer	0.102	0.102	0.0	2.9	2.9	8.9	O K
15 min Winter	1.281	1.281	0.0	5.7	5.7	112.0	O K
30 min Winter	1.634	1.634	0.0	5.7	5.7	142.8	O K
60 min Winter	1.939	1.939	0.0	5.7	5.7	169.5	O K
120 min Winter	2.147	2.147	0.0	5.7	5.7	187.6	O K
180 min Winter	2.185	2.185	0.0	5.7	5.7	191.0	O K
240 min Winter	2.156	2.156	0.0	5.7	5.7	188.4	O K
360 min Winter	2.028	2.028	0.0	5.7	5.7	177.3	O K
480 min Winter	1.910	1.910	0.0	5.7	5.7	166.9	O K
600 min Winter	1.789	1.789	0.0	5.7	5.7	156.3	O K
720 min Winter	1.666	1.666	0.0	5.7	5.7	145.6	O K
960 min Winter	1.428	1.428	0.0	5.7	5.7	124.8	O K
1440 min Winter	0.995	0.995	0.0	5.7	5.7	87.0	O K
2160 min Winter	0.493	0.493	0.0	5.7	5.7	43.1	O K
2880 min Winter	0.214	0.214	0.0	5.7	5.7	18.7	O K
4320 min Winter	0.148	0.148	0.0	4.2	4.2	13.0	O K
5760 min Winter	0.117	0.117	0.0	3.3	3.3	10.2	O K
7200 min Winter	0.098	0.098	0.0	2.8	2.8	8.5	O K

Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Discharge Volume (m³)	Time-Peak (mins)
15 min Summer	137.494	0.0	106.0	25
30 min Summer	88.809	0.0	136.9	39
60 min Summer	54.549	0.0	168.1	68
120 min Summer	32.365	0.0	199.5	124
180 min Summer	23.543	0.0	217.7	182
240 min Summer	18.683	0.0	230.4	228
360 min Summer	13.462	0.0	249.0	284
480 min Summer	10.666	0.0	263.0	348
600 min Summer	8.898	0.0	274.3	414
720 min Summer	7.671	0.0	283.7	482
960 min Summer	6.064	0.0	299.1	616
1440 min Summer	4.349	0.0	321.8	876
2160 min Summer	3.115	0.0	345.6	1240
2880 min Summer	2.456	0.0	363.3	1584
4320 min Summer	1.755	0.0	389.4	2208
5760 min Summer	1.381	0.0	408.7	2936
7200 min Summer	1.147	0.0	424.2	3672
8640 min Summer	0.985	0.0	437.1	4408
10080 min Summer	0.866	0.0	448.2	5136
15 min Winter	137.494	0.0	118.7	25
30 min Winter	88.809	0.0	153.3	39
60 min Winter	54.549	0.0	188.3	68
120 min Winter	32.365	0.0	223.5	124
180 min Winter	23.543	0.0	243.8	180
240 min Winter	18.683	0.0	258.0	234
360 min Winter	13.462	0.0	278.8	328
480 min Winter	10.666	0.0	294.6	374
600 min Winter	8.898	0.0	307.2	450
720 min Winter	7.671	0.0	317.8	526
960 min Winter	6.064	0.0	335.0	670
1440 min Winter	4.349	0.0	360.4	938
2160 min Winter	3.115	0.0	387.1	1284
2880 min Winter	2.456	0.0	406.9	1532
4320 min Winter	1.755	0.0	436.2	2208
5760 min Winter	1.381	0.0	457.8	2936
7200 min Winter	1.147	0.0	475.1	3672

©1982-2015 XP Solutions

Summary of Results for 100 year Return Period (+30%)

Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Control (l/s)	Max Σ Outflow (l/s)	Max Volume (m³)	Status
8640 min Winter	0.084	0.084	0.0	2.4	2.4	7.3	O K
10080 min Winter	0.074	0.074	0.0	2.1	2.1	6.4	O K

Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Discharge Volume (m³)	Time-Peak (mins)
8640 min Winter	0.985	0.0	489.6	4400
10080 min Winter	0.866	0.0	502.0	5136

©1982-2015 XP Solutions

Rainfall Details

Rainfall Model	FSR	Ratio R	0.438	Cv (Winter)	0.840
Return Period (years)	100	Summer Storms	Yes	Shortest Storm (mins)	15
Region	England and Wales	Winter Storms	Yes	Longest Storm (mins)	10080
M5-60 (mm)	20.700	Cv (Summer)	0.750	Climate Change %	+30

Time Area Diagram

Total Area (ha) 0.411

Time From:	(mins) To:	Area (ha)	Time From:	(mins) To:	Area (ha)	Time From:	(mins) To:	Area (ha)
0	4	0.137	4	8	0.137	8	12	0.137

©1982-2015 XP Solutions

Model Details

Storage is Online Cover Level (m) 2.200

Cellular Storage Structure

Invert Level (m) 0.000 Infiltration Coefficient Side (m/hr) 0.00000 Porosity 0.95
Infiltration Coefficient Base (m/hr) 0.00000 Safety Factor 2.0

Depth (m)	Area (m²)	Inf. Area (m²)	Depth (m)	Area (m²)	Inf. Area (m²)	Depth (m)	Area (m²)	Inf. Area (m²)
0.000	92.0	92.0	2.200	92.0	210.8	2.300	0.0	210.8

Pump Outflow Control

Invert Level (m) 0.000

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.200	5.7000	1.200	5.7000	2.200	5.7000	3.200	5.7000	4.200	5.7000	5.200	5.7000
0.400	5.7000	1.400	5.7000	2.400	5.7000	3.400	5.7000	4.400	5.7000	5.400	5.7000
0.600	5.7000	1.600	5.7000	2.600	5.7000	3.600	5.7000	4.600	5.7000	5.600	5.7000
0.800	5.7000	1.800	5.7000	2.800	5.7000	3.800	5.7000	4.800	5.7000	5.800	5.7000
1.000	5.7000	2.000	5.7000	3.000	5.7000	4.000	5.7000	5.000	5.7000	6.000	5.7000

©1982-2015 XP Solutions

Summary of Results for 100 year Return Period (+30%)

Half Drain Time : 297 minutes.

Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Control (l/s)	Max Σ Outflow (l/s)	Max Volume (m³)	Status
15 min Summer	0.400	0.400	0.0	2.4	2.4	41.8	O K
30 min Summer	0.509	0.509	0.0	2.4	2.4	53.2	O K
60 min Summer	0.603	0.603	0.0	2.4	2.4	63.0	O K
120 min Summer	0.668	0.668	0.0	2.4	2.4	69.8	O K
180 min Summer	0.681	0.681	0.0	2.4	2.4	71.1	O K
240 min Summer	0.673	0.673	0.0	2.4	2.4	70.3	O K
360 min Summer	0.651	0.651	0.0	2.4	2.4	68.0	O K
480 min Summer	0.627	0.627	0.0	2.4	2.4	65.6	O K
600 min Summer	0.602	0.602	0.0	2.4	2.4	62.9	O K
720 min Summer	0.576	0.576	0.0	2.4	2.4	60.2	O K
960 min Summer	0.525	0.525	0.0	2.4	2.4	54.9	O K
1440 min Summer	0.432	0.432	0.0	2.4	2.4	45.2	O K
2160 min Summer	0.320	0.320	0.0	2.4	2.4	33.5	O K
2880 min Summer	0.243	0.243	0.0	2.4	2.4	25.4	O K
4320 min Summer	0.176	0.176	0.0	2.1	2.1	18.4	O K
5760 min Summer	0.144	0.144	0.0	1.7	1.7	15.1	O K
7200 min Summer	0.123	0.123	0.0	1.5	1.5	12.9	O K
8640 min Summer	0.108	0.108	0.0	1.3	1.3	11.3	O K
10080 min Summer	0.096	0.096	0.0	1.2	1.2	10.0	O K
15 min Winter	0.450	0.450	0.0	2.4	2.4	47.0	O K
30 min Winter	0.573	0.573	0.0	2.4	2.4	59.9	O K
60 min Winter	0.682	0.682	0.0	2.4	2.4	71.3	O K
120 min Winter	0.761	0.761	0.0	2.4	2.4	79.5	O K
180 min Winter	0.781	0.781	0.0	2.4	2.4	81.6	O K
240 min Winter	0.777	0.777	0.0	2.4	2.4	81.2	O K
360 min Winter	0.745	0.745	0.0	2.4	2.4	77.9	O K
480 min Winter	0.714	0.714	0.0	2.4	2.4	74.6	O K
600 min Winter	0.679	0.679	0.0	2.4	2.4	70.9	O K
720 min Winter	0.641	0.641	0.0	2.4	2.4	67.0	O K
960 min Winter	0.565	0.565	0.0	2.4	2.4	59.1	O K
1440 min Winter	0.425	0.425	0.0	2.4	2.4	44.5	O K
2160 min Winter	0.266	0.266	0.0	2.4	2.4	27.8	O K
2880 min Winter	0.191	0.191	0.0	2.3	2.3	19.9	O K
4320 min Winter	0.141	0.141	0.0	1.7	1.7	14.7	O K
5760 min Winter	0.113	0.113	0.0	1.4	1.4	11.8	O K
7200 min Winter	0.094	0.094	0.0	1.1	1.1	9.8	O K

Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Discharge Volume (m³)	Time-Peak (mins)
15 min Summer	137.494	0.0	43.8	22
30 min Summer	88.809	0.0	56.6	36
60 min Summer	54.549	0.0	69.5	66
120 min Summer	32.365	0.0	82.5	122
180 min Summer	23.543	0.0	90.0	182
240 min Summer	18.683	0.0	95.2	224
360 min Summer	13.462	0.0	102.9	280
480 min Summer	10.666	0.0	108.7	344
600 min Summer	8.898	0.0	113.4	410
720 min Summer	7.671	0.0	117.3	478
960 min Summer	6.064	0.0	123.7	612
1440 min Summer	4.349	0.0	133.0	870
2160 min Summer	3.115	0.0	142.9	1236
2880 min Summer	2.456	0.0	150.3	1564
4320 min Summer	1.755	0.0	161.0	2252
5760 min Summer	1.381	0.0	169.0	2992
7200 min Summer	1.147	0.0	175.4	3680
8640 min Summer	0.985	0.0	180.8	4416
10080 min Summer	0.866	0.0	185.4	5144
15 min Winter	137.494	0.0	49.0	22
30 min Winter	88.809	0.0	63.4	36
60 min Winter	54.549	0.0	77.8	64
120 min Winter	32.365	0.0	92.4	122
180 min Winter	23.543	0.0	100.8	178
240 min Winter	18.683	0.0	106.7	232
360 min Winter	13.462	0.0	115.3	304
480 min Winter	10.666	0.0	121.8	372
600 min Winter	8.898	0.0	127.0	446
720 min Winter	7.671	0.0	131.4	522
960 min Winter	6.064	0.0	138.5	666
1440 min Winter	4.349	0.0	149.0	930
2160 min Winter	3.115	0.0	160.1	1276
2880 min Winter	2.456	0.0	168.3	1560
4320 min Winter	1.755	0.0	180.4	2292
5760 min Winter	1.381	0.0	189.3	3000
7200 min Winter	1.147	0.0	196.5	3744

©1982-2015 XP Solutions

Summary of Results for 100 year Return Period (+30%)

Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Control (l/s)	Max Σ Outflow (l/s)	Max Volume (m³)	Status
8640 min Winter	0.081	0.081	0.0	1.0	1.0	8.5	O K
10080 min Winter	0.072	0.072	0.0	0.9	0.9	7.5	O K

Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Discharge Volume (m³)	Time-Peak (mins)
8640 min Winter	0.985	0.0	202.5	4416
10080 min Winter	0.866	0.0	207.6	5144

©1982-2015 XP Solutions

Rainfall Details

Rainfall Model	FSR	Ratio R	0.438	Cv (Winter)	0.840
Return Period (years)	100	Summer Storms	Yes	Shortest Storm (mins)	15
Region	England and Wales	Winter Storms	Yes	Longest Storm (mins)	10080
M5-60 (mm)	20.700	Cv (Summer)	0.750	Climate Change %	+30

Time Area Diagram

Total Area (ha) 0.170

Time From:	(mins) To:	Area (ha)	Time From:	(mins) To:	Area (ha)
0	4	0.085	4	8	0.085

©1982-2015 XP Solutions

Model Details

Storage is Online Cover Level (m) 0.800

Cellular Storage Structure

Invert Level (m) 0.000 Infiltration Coefficient Side (m/hr) 0.00000 Porosity 0.95
Infiltration Coefficient Base (m/hr) 0.00000 Safety Factor 2.0

Depth (m)	Area (m²)	Inf. Area (m²)	Depth (m)	Area (m²)	Inf. Area (m²)	Depth (m)	Area (m²)	Inf. Area (m²)
0.000	110.0	110.0	0.800	110.0	153.2	0.900	0.0	153.2

Pump Outflow Control

Invert Level (m) 0.000

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.200	2.4000	1.200	2.4000	2.200	2.4000	3.200	2.4000	4.200	2.4000	5.200	2.4000
0.400	2.4000	1.400	2.4000	2.400	2.4000	3.400	2.4000	4.400	2.4000	5.400	2.4000
0.600	2.4000	1.600	2.4000	2.600	2.4000	3.600	2.4000	4.600	2.4000	5.600	2.4000
0.800	2.4000	1.800	2.4000	2.800	2.4000	3.800	2.4000	4.800	2.4000	5.800	2.4000
1.000	2.4000	2.000	2.4000	3.000	2.4000	4.000	2.4000	5.000	2.4000	6.000	2.4000

©1982-2015 XP Solutions

gtaCivils
Consulting Engineers

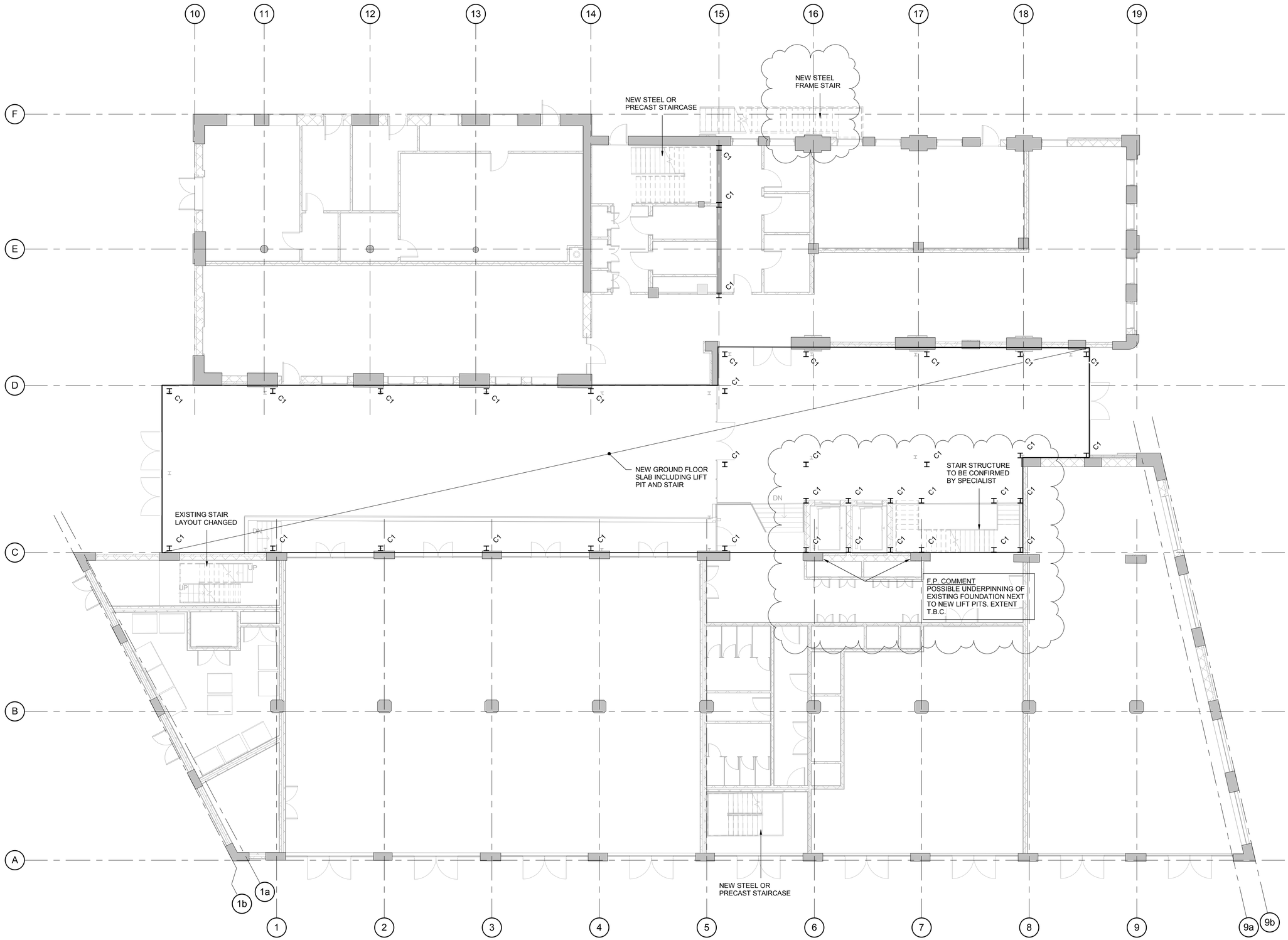


Drainage - Flood Risk - Highways - Transport

GTA Civils, Gloucester House, 66a Church Walk, Burgess Hill, West Sussex, RH15 9AS
T: 01444 871444 F: 01444 871401 E: enquiries@gtacivils.co.uk www: gtacivils.co.uk

GTA Civils Limited, Registered in England No. 4192991. VAT Registration No. 777 5043 04

Appendix C– Preliminary Structural Drawings



GENERAL NOTES

1. REFER TO DRAWING 4435-S-000 FOR GENERAL NOTES.
2. REFER TO DRAWING No. 4435(A)-S-001 FOR DEMOLITION PLANS

COLUMN SCHEDULE

MARK	MEMBER
C1	254x254x73 UC

MEMBER SCHEDULE

MARK	MEMBER
B1	203x203x46 UC
B2	254x254x73 UC
B3	254x146x43 UB
B4	203x203x86 UC
B5	254x254x89 UC
B6	356x171x57 UB
B7	254x254x132 UC
B8	254x254x167 UC

NOTE:

- ALL STEEL COLUMNS IN THE NEW ATRIUM TO BE TIED BACK TO THE EXISTING STRUCTURE.
- LOCATION OF SERVICE PENETRATIONS TO B COORDINATED WITH EXISTING STRUCTURE.
- POSITIONS/TYPES OF AL EXISTING STRUCTURE T.B.C. ON SITE.
- ALL SERVICE VOIDS TO AVOID EXISTING STRUCTURE INCLUDING PRIMARY DOWNSTAND BEAMS.

GROUND FLOOR PLAN

SCALE 1 : 100

Rev	Date	Comment	By
P4	09.10.17	LAYOUT AMENDED	SF
P3	07.06.17	BEAM SIZES AMENDED	SF
P2	05.05.17	PRELIMINARY ISSUE	AR
P1	16.02.17	ISSUE FOR TENDER	PD

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers

London 20 Britton Street, London, EC1M 5TX
tel: 020 7490 4353 fax: 020 7490 4354
e-mail: info@furnesspartnership.com

Bradford The Paper Hall, Anne Gate, Bradford, BD1 4EQ
tel: 01274 392092
e-mail: mail@furnesspartnership.com

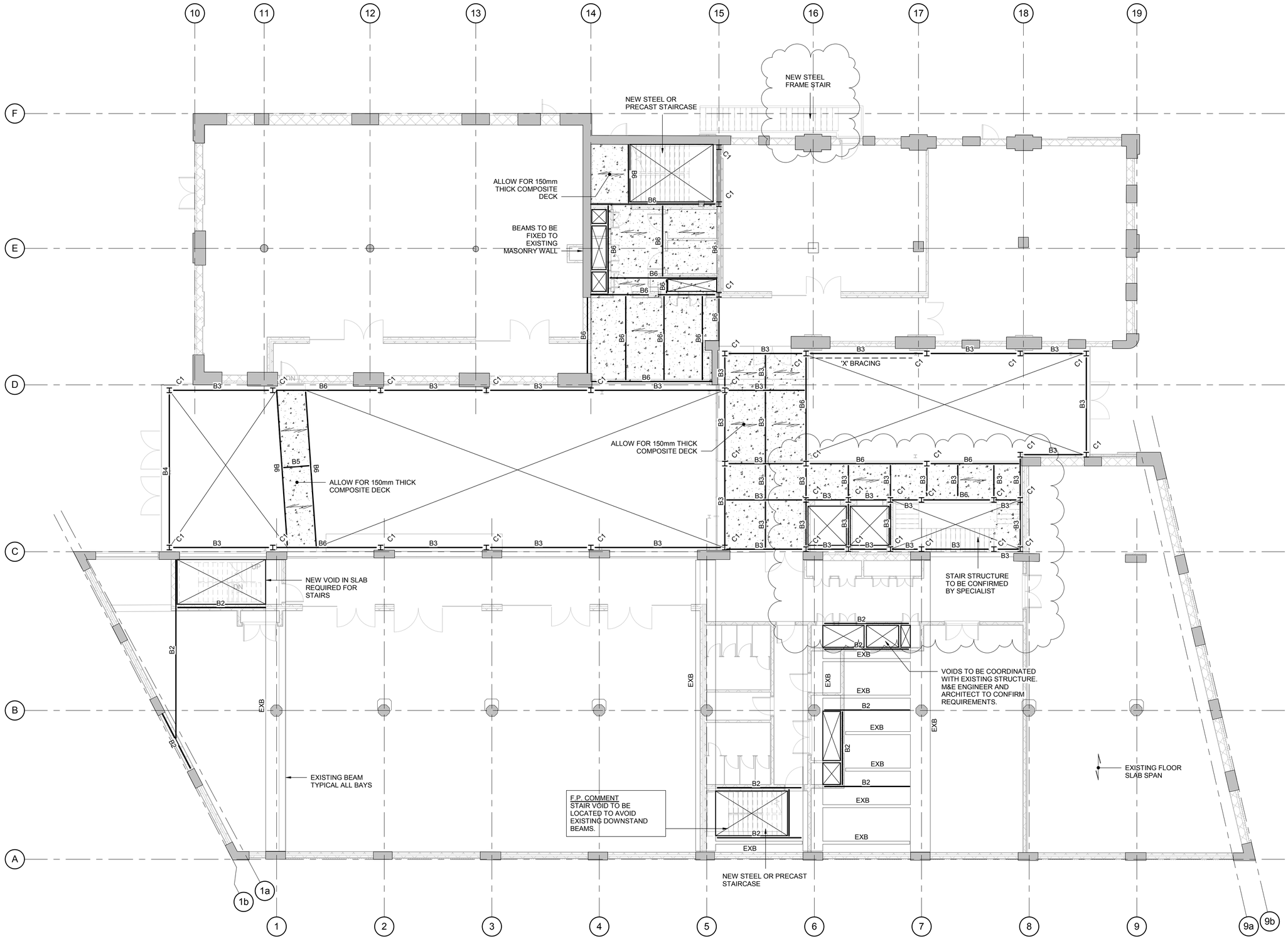
Project: CHOCOLATE FACTORY

Drawing Title: BLOCK A
GROUND FLOOR

Drawn	Date	Checked	Scale @ A1
A.R.	MAY '17	R.M.	1 : 100

Drawing No.: 4435(A)-S-010

Rev.: P4



1ST FLOOR PLAN

SCALE 1 : 100

GENERAL NOTES

1. REFER TO DRAWING 4435-S-000 FOR GENERAL NOTES.
2. REFER TO DRAWING No. 4435(A)-S-002 FOR DEMOLITION PLANS

COLUMN SCHEDULE	
MARK	**MEMBER**
C1	254x254x73 UC

MEMBER SCHEDULE	
MARK	**MEMBER**
B1	203x203x46 UC
B2	254x254x73 UC
B3	254x146x43 UB
B4	203x203x86 UC
B5	254x254x89 UC
B6	356x171x57 UB
B7	254x254x132 UC
B8	254x254x167 UC

NOTE:

- ALL STEEL COLUMNS IN THE NEW ATRIUM TO BE TIED BACK TO THE EXISTING STRUCTURE.
- LOCATION OF SERVICE PENETRATIONS TO B COORDINATED WITH EXISTING STRUCTURE.
- POSITIONS/TYPES OF AL EXISTING STRUCTURE T.B.C. ON SITE.
- ALL SERVICE VOIDS TO AVOID EXISTING STRUCTURE INCLUDING PRIMARY DOWNSTAND BEAMS.

Rev	Date	Comment	By
P4	09.10.17	LAYOUT AMENDED	SF
P3	07.06.17	BEAM SIZES AMENDED	SF
P2	05.05.17	PRELIMINARY ISSUE	AR
P1	16.02.17	ISSUE FOR TENDER	PD

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers
London 20 Britton Street, London, EC1M 5TX tel: 020 7490 4353 fax: 020 7490 4354 e-mail: info@furnesspartnership.com
Bradford The Paper Hall, Anne Gate, Bradford, BD1 4EQ tel: 01274 392092 e-mail: mail@furnesspartnership.com

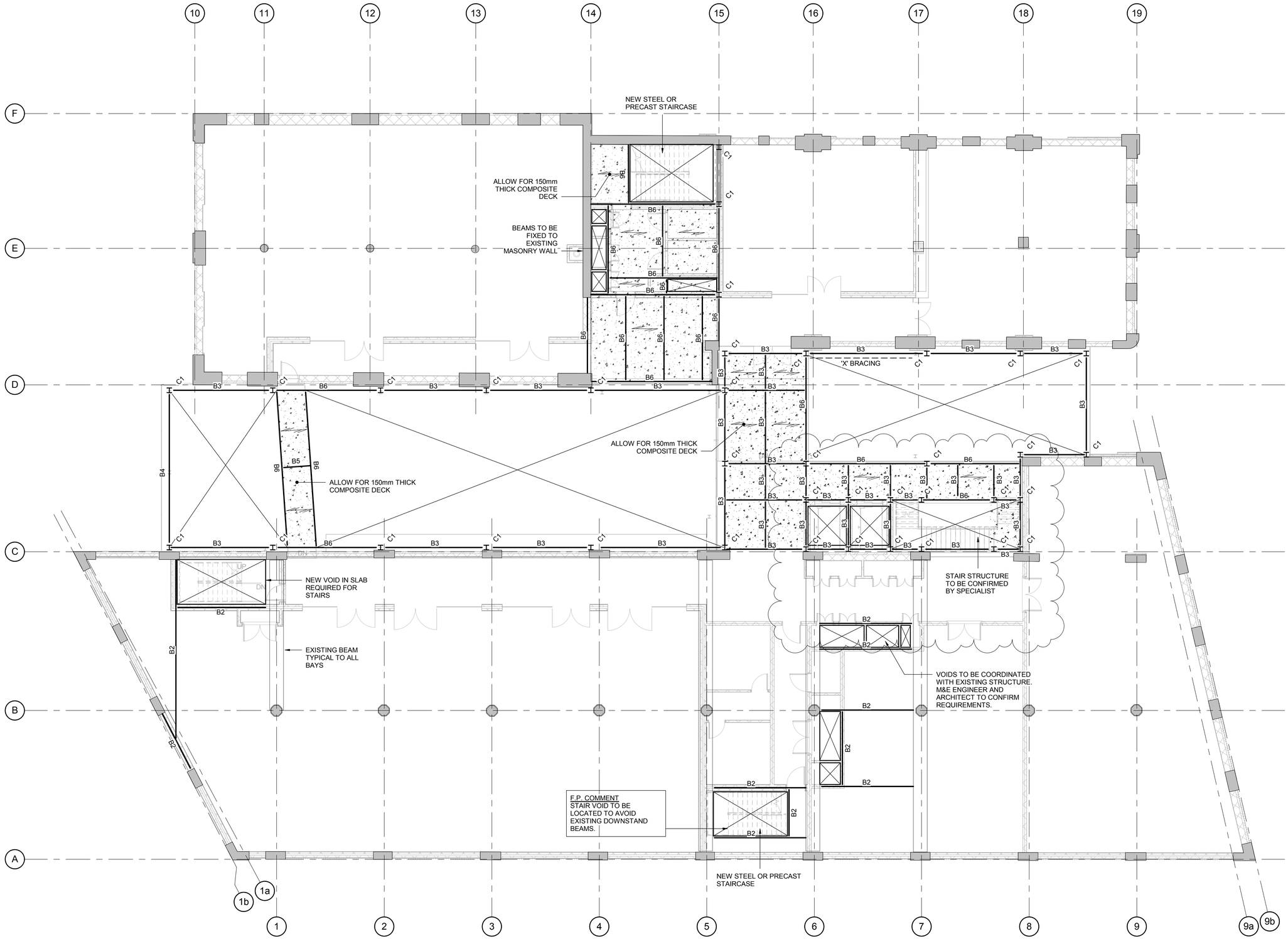
Project: CHOCOLATE FACTORY

Drawing Title: BLOCK A
1ST FLOOR

Drawn	Date	Checked	Scale @ A1
A.R.	MAY '17	R.M.	1 : 100

Drawing No.: 4435(A)-S-011

Rev.: P4



2ND FLOOR PLAN

SCALE 1 : 100

GENERAL NOTES

1. REFER TO DRAWING 4435-S-000 FOR GENERAL NOTES.
2. REFER TO DRAWING No. 4435(A)-S-002 FOR DEMOLITION PLANS

COLUMN SCHEDULE	
MARK	**MEMBER**
C1	254x254x73 UC

MEMBER SCHEDULE	
MARK	**MEMBER**
B1	203x203x46 UC
B2	254x254x73 UC
B3	254x146x43 UB
B4	203x203x86 UC
B5	254x254x89 UC
B6	356x171x57 UB
B7	254x254x132 UC
B8	254x254x167 UC

NOTE:

- ALL STEEL COLUMNS IN THE NEW ATRIUM TO BE TIED BACK TO THE EXISTING STRUCTURE.
- LOCATION OF SERVICE PENETRATIONS TO B COORDINATED WITH EXISTING STRUCTURE.
- POSITIONS/TYPES OF AL EXISTING STRUCTURE T.B.C. ON SITE.
- ALL SERVICE VOIDS TO AVOID EXISTING STRUCTURE INCLUDING PRIMARY DOWNSTAND BEAMS.

Rev	Date	Comment	By
P4	09.10.17	LAYOUT AMENDED	SF
P3	07.06.17	BEAM SIZES AMENDED	SF
P2	05.05.17	PRELIMINARY ISSUE	AR
P1	16.02.17	ISSUE FOR TENDER	PD

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers
London 20 Britton Street, London, EC1M 5TX tel: 020 7490 4353 fax: 020 7490 4354 e-mail: info@furnesspartnership.com
Bradford The Paper Hall, Anne Gate, Bradford, BD1 4EQ tel: 01274 392092 e-mail: mail@furnesspartnership.com

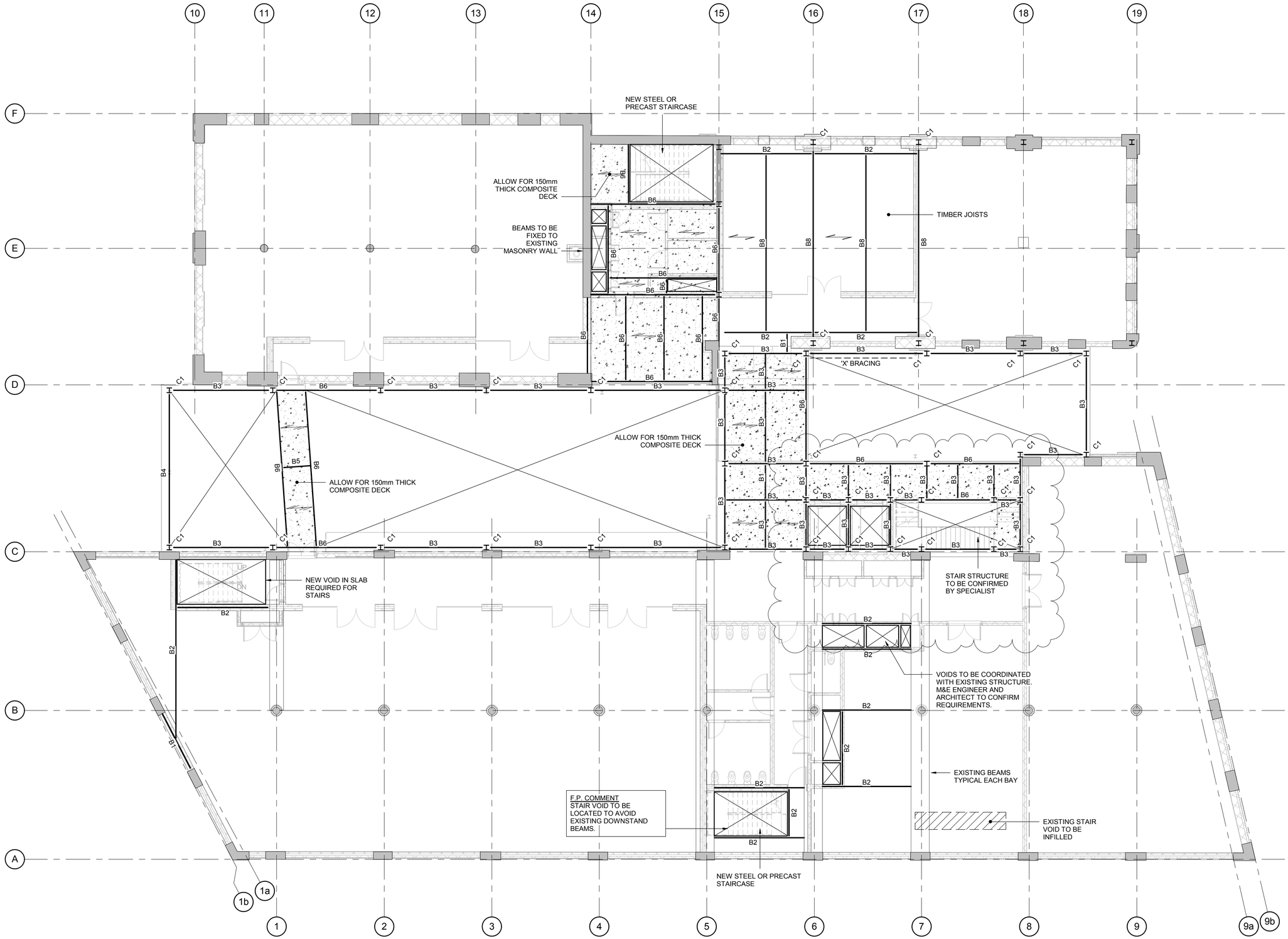
Project: CHOCOLATE FACTORY

Drawing Title: BLOCK A
2ND FLOOR

Drawn	Date	Checked	Scale @ A1
A.R.	MAY '17	R.M.	1 : 100

Drawing No.: 4435(A)-S-012

Rev.: P4



3RD FLOOR PLAN

SCALE 1 : 100

GENERAL NOTES

1. REFER TO DRAWING 4435-S-000 FOR GENERAL NOTES.
2. REFER TO DRAWING No. 4435(A)-S-003 FOR DEMOLITION PLANS

COLUMN SCHEDULE	
MARK	**MEMBER**
C1	254x254x73 UC

MEMBER SCHEDULE	
MARK	**MEMBER**
B1	203x203x46 UC
B2	254x254x73 UC
B3	254x146x43 UB
B4	203x203x86 UC
B5	254x254x89 UC
B6	356x171x57 UB
B7	254x254x132 UC
B8	254x254x167 UC

NOTE:

- ALL STEEL COLUMNS IN THE NEW ATRIUM TO BE TIED BACK TO THE EXISTING STRUCTURE.
- LOCATION OF SERVICE PENETRATIONS TO B COORDINATED WITH EXISTING STRUCTURE.
- POSITIONS/TYPES OF AL EXISTING STRUCTURE T.B.C. ON SITE.
- ALL SERVICE VOIDS TO AVOID EXISTING STRUCTURE INCLUDING PRIMARY DOWNSTAND BEAMS.

Rev	Date	Comment	By
P4	09.10.17	LAYOUT AMENDED	SF
P3	07.06.17	BEAM SIZES AMENDED	SF
P2	05.05.17	PRELIMINARY ISSUE	AR
P1	16.02.17	ISSUE FOR TENDER	PD

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers
London 20 Britton Street, London, EC1M 5TX
tel: 020 7490 4353 fax: 020 7490 4354
e-mail: info@furnesspartnership.com
Bradford The Paper Hall, Anne Gate, Bradford, BD1 4EQ
tel: 01274 392092
e-mail: mail@furnesspartnership.com

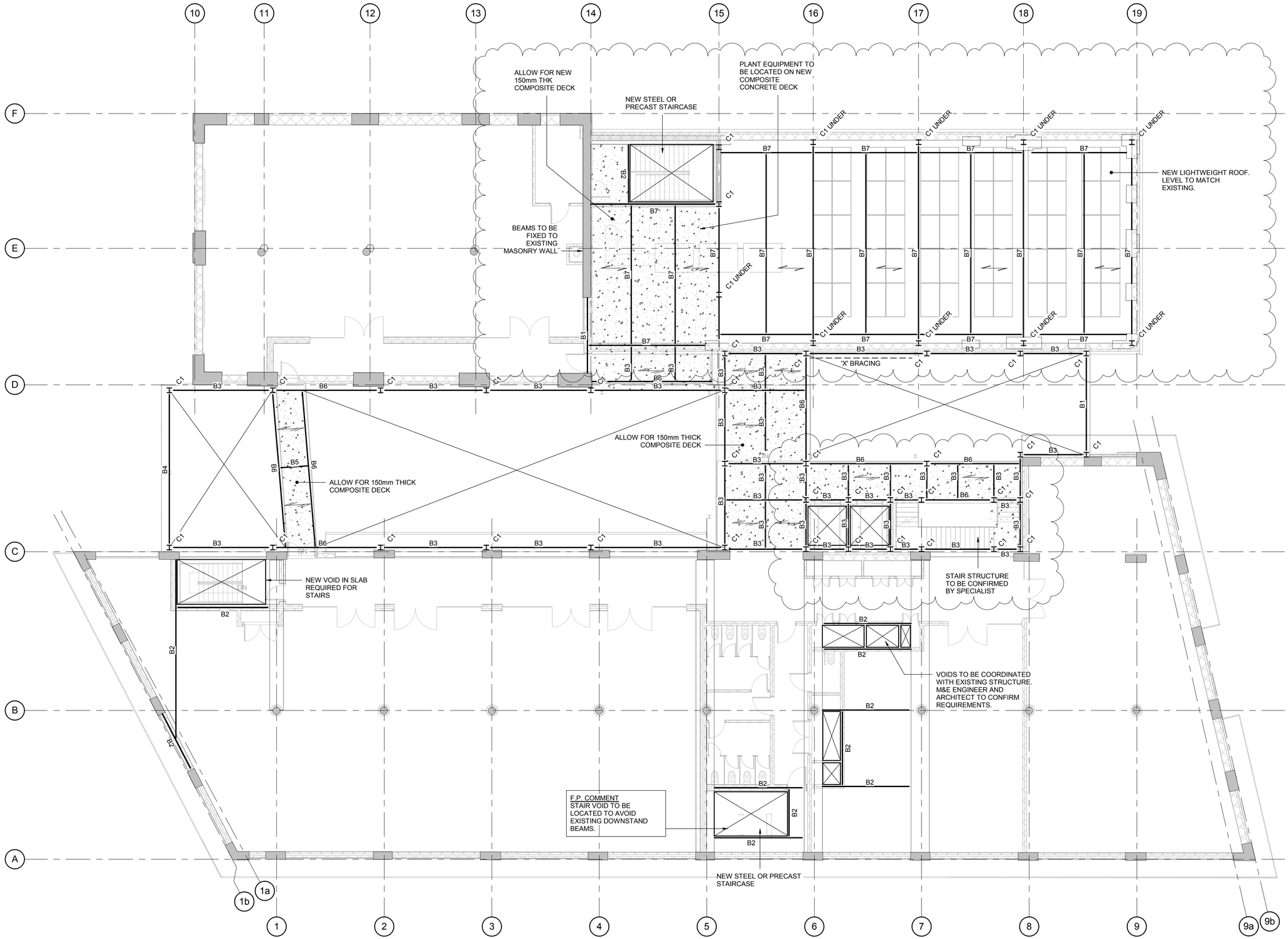
Project: CHOCOLATE FACTORY

Drawing Title: BLOCK A
3RD FLOOR

Drawn	Date	Checked	Scale @ A1
A.R.	MAY '17	R.M.	1 : 100

Drawing No.: 4435(A)-S-013

Rev.: P4



4TH FLOOR PLAN

SCALE 1 : 100

GENERAL NOTES

1. REFER TO DRAWING 4435-S-000 FOR GENERAL NOTES.
2. REFER TO DRAWING No. 4435(A)-S-003 FOR DEMOLITION PLANS

COLUMN SCHEDULE	
MARK	**MEMBER**
C1	254x254x73 UC

MEMBER SCHEDULE	
MARK	**MEMBER**
B1	203x203x46 UC
B2	254x254x73 UC
B3	254x146x43 UB
B4	203x203x86 UC
B5	254x254x89 UC
B6	356x171x57 UB
B7	254x254x132 UC
B8	254x254x167 UC

NOTE:

- ALL STEEL COLUMNS IN THE NEW ATRIUM TO BE TIED BACK TO THE EXISTING STRUCTURE.
- LOCATION OF SERVICE PENETRATIONS TO B COORDINATED WITH EXISTING STRUCTURE.
- POSITIONS/TYPES OF AL EXISTING STRUCTURE T.B.C. ON SITE.
- ALL SERVICE VOIDS TO AVOID EXISTING STRUCTURE INCLUDING PRIMARY DOWNSTAND BEAMS.

Rev	Date	Comment	By
P4	09.10.17	LAYOUT AMENDED	SF
P3	07.06.17	BEAM SIZES AMENDED	SF
P2	05.05.17	PRELIMINARY ISSUE	AR
P1	16.02.17	ISSUE FOR TENDER	PD

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers
London 20 Britton Street, London, EC1M 5TX tel: 020 7490 4353 fax: 020 7490 4354 e-mail: info@furnesspartnership.com
Bradford The Paper Hall, Anne Gate, Bradford, BD1 4EQ tel: 01274 392092 e-mail: mail@furnesspartnership.com

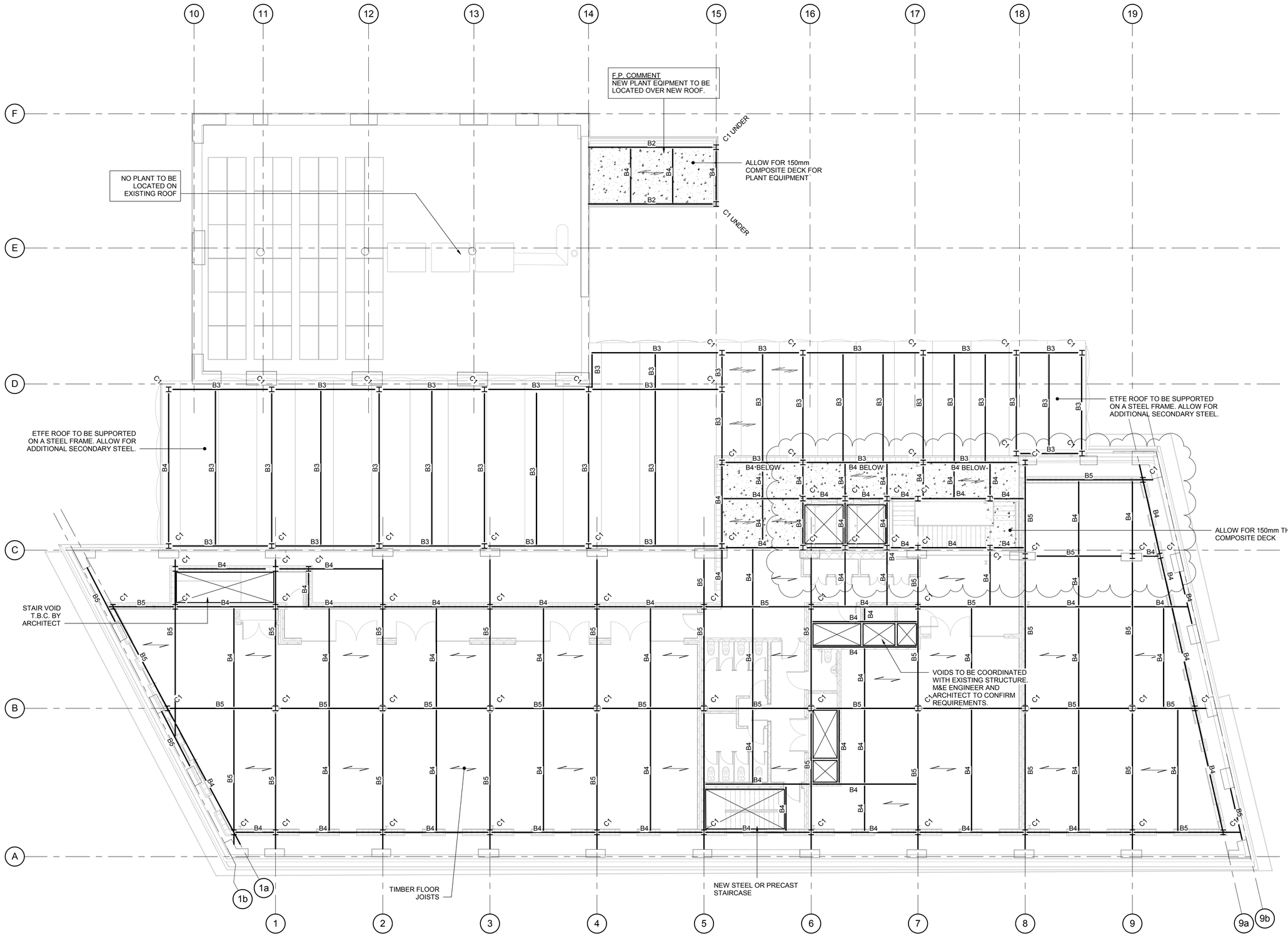
Project: CHOCOLATE FACTORY

Drawing Title: BLOCK A
4TH FLOOR

Drawn	Date	Checked	Scale @ A1
A.R.	MAY '17	R.M.	1 : 100

Drawing No.: 4435(A)-S-014

Rev.: P4



5TH FLOOR PLAN

SCALE 1 : 100

GENERAL NOTES

1. REFER TO DRAWING 4435-S-000 FOR GENERAL NOTES.

COLUMN SCHEDULE	
MARK	**MEMBER**
C1	254x254x73 UC

MEMBER SCHEDULE	
MARK	**MEMBER**
B1	203x203x46 UC
B2	254x254x73 UC
B3	254x146x43 UB
B4	203x203x86 UC
B5	254x254x89 UC
B6	356x171x57 UB
B7	254x254x132 UC
B8	254x254x167 UC

NOTE:

- ALL STEEL COLUMNS IN THE NEW ATRIUM TO BE TIED BACK TO THE EXISTING STRUCTURE.
- LOCATION OF SERVICE PENETRATIONS TO B COORDINATED WITH EXISTING STRUCTURE.
- POSITIONS/TYPES OF AL EXISTING STRUCTURE T.B.C. ON SITE.
- ALL SERVICE VOIDS TO AVOID EXISTING STRUCTURE INCLUDING PRIMARY DOWNSTAND BEAMS.

Rev	Date	Comment	By
P4	09.10.17	LAYOUT AMENDED	SF
P3	07.06.17	BEAM SIZES AMENDED	SF
P2	05.05.17	PRELIMINARY ISSUE	AR
P1	16.02.17	ISSUE FOR TENDER	PD

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers
London 20 Britton Street, London, EC1M 5TX
tel: 020 7490 4353 fax: 020 7490 4354
e-mail: info@furnesspartnership.com
Bradford The Paper Hall, Anne Gate, Bradford, BD1 4EQ
tel: 01274 392092
e-mail: mail@furnesspartnership.com

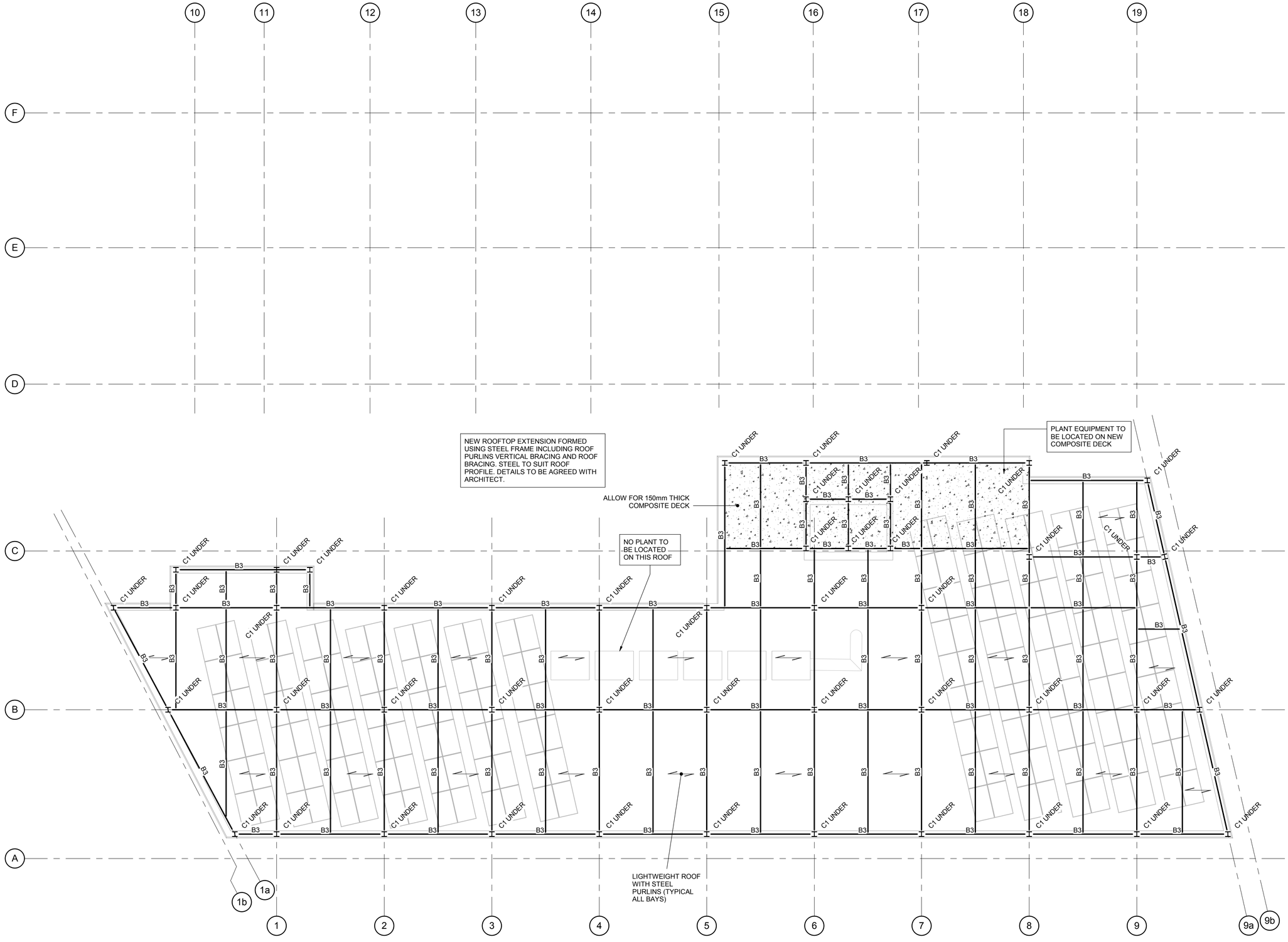
Project: CHOCOLATE FACTORY

Drawing Title: BLOCK A
5TH FLOOR

Drawn	Date	Checked	Scale @ A1
A.R.	MAY '17	R.M.	1 : 100

Drawing No.: 4435(A)-S-015

Rev.: P4



ROOF PLAN

SCALE 1 : 100

GENERAL NOTES

1. REFER TO DRAWING 4435-S-000 FOR GENERAL NOTES.

COLUMN SCHEDULE	
MARK	**MEMBER**
C1	254x254x73 UC

MEMBER SCHEDULE	
MARK	**MEMBER**
B1	203x203x46 UC
B2	254x254x73 UC
B3	254x146x43 UB
B4	203x203x86 UC
B5	254x254x89 UC
B6	356x171x57 UB
B7	254x254x132 UC
B8	254x254x167 UC

NOTE:

- ALL STEEL COLUMNS IN THE NEW ATRIUM TO BE TIED BACK TO THE EXISTING STRUCTURE.
- LOCATION OF SERVICE PENETRATIONS TO B COORDINATED WITH EXISTING STRUCTURE.
- POSITIONS/TYPES OF AL EXISTING STRUCTURE T.B.C. ON SITE.
- ALL SERVICE VOIDS TO AVOID EXISTING STRUCTURE INCLUDING PRIMARY DOWNSTAND BEAMS.

Rev	Date	Comment	By
P4	09.10.17	LAYOUT AMENDED	SF
P3	07.06.17	BEAM SIZES AMENDED	SF
P2	05.05.17	PRELIMINARY ISSUE	AR
P1	16.02.17	ISSUE FOR TENDER	PD

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers
London 20 Britton Street, London, EC1M 5TX
tel: 020 7490 4353 fax: 020 7490 4354
e-mail: info@furnesspartnership.com
Bradford The Paper Hall, Anne Gate, Bradford, BD1 4EQ
tel: 01274 392092
e-mail: mail@furnesspartnership.com

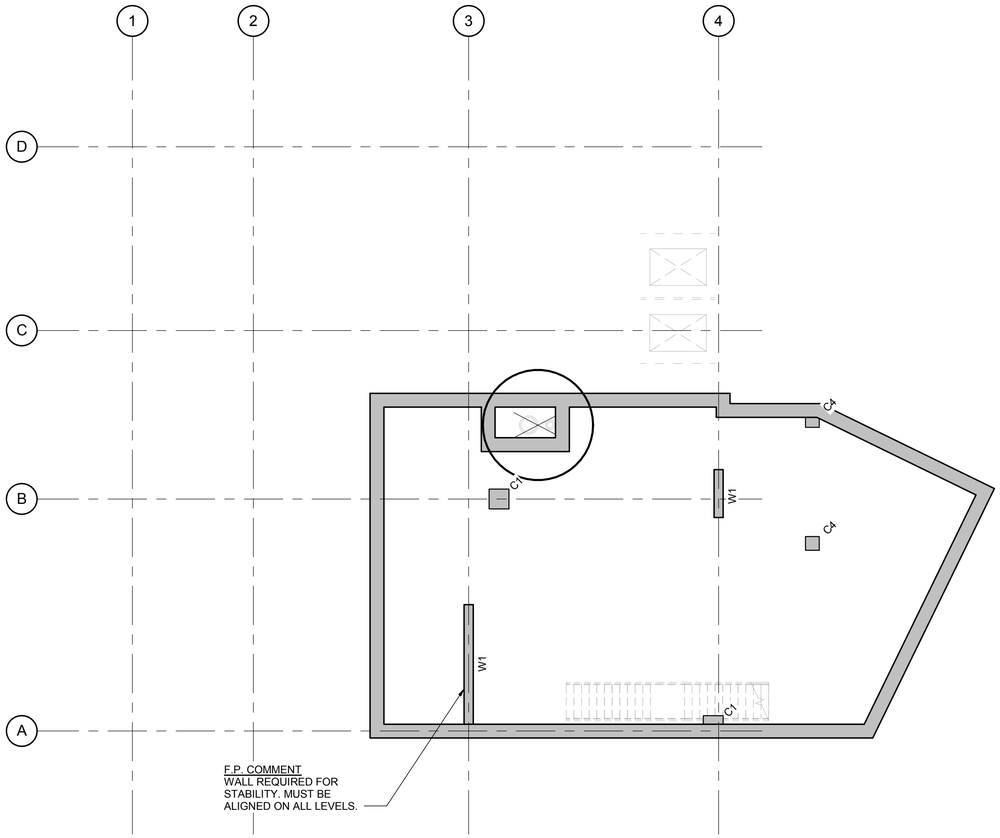
Project: CHOCOLATE FACTORY

Drawing Title: BLOCK A
ROOF

Drawn	Date	Checked	Scale @ A1
A.R.	MAY '17	R.M.	1 : 100

Drawing No.: 4435(A)-S-016

Rev.: P4



BASEMENT PLAN

SCALE 1 : 100

COLUMN SCHEDULE	
MARK	**MEMBER**
C1	650 x 650mm RC COLUMN
C2	600 x 600mm RC COLUMN
C3	500 x 500mm RC COLUMN
C4	450 x 450mm RC COLUMN

AREAS REQUIRING
FURTHER COORDINATION

Re	Date	Comment	By
P1	09.10.17	PRELIMINARY ISSUE	SF

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers
London 20 Britton Street, London, EC1M 5TX
tel: 020 7490 4353 fax: 020 7490 4354
e-mail: info@furnesspartnership.com
Bradford The Paper Hall, Anne Gate, Bradford, BD1 4EQ
tel: 01274 392092
e-mail: mail@furnesspartnership.com

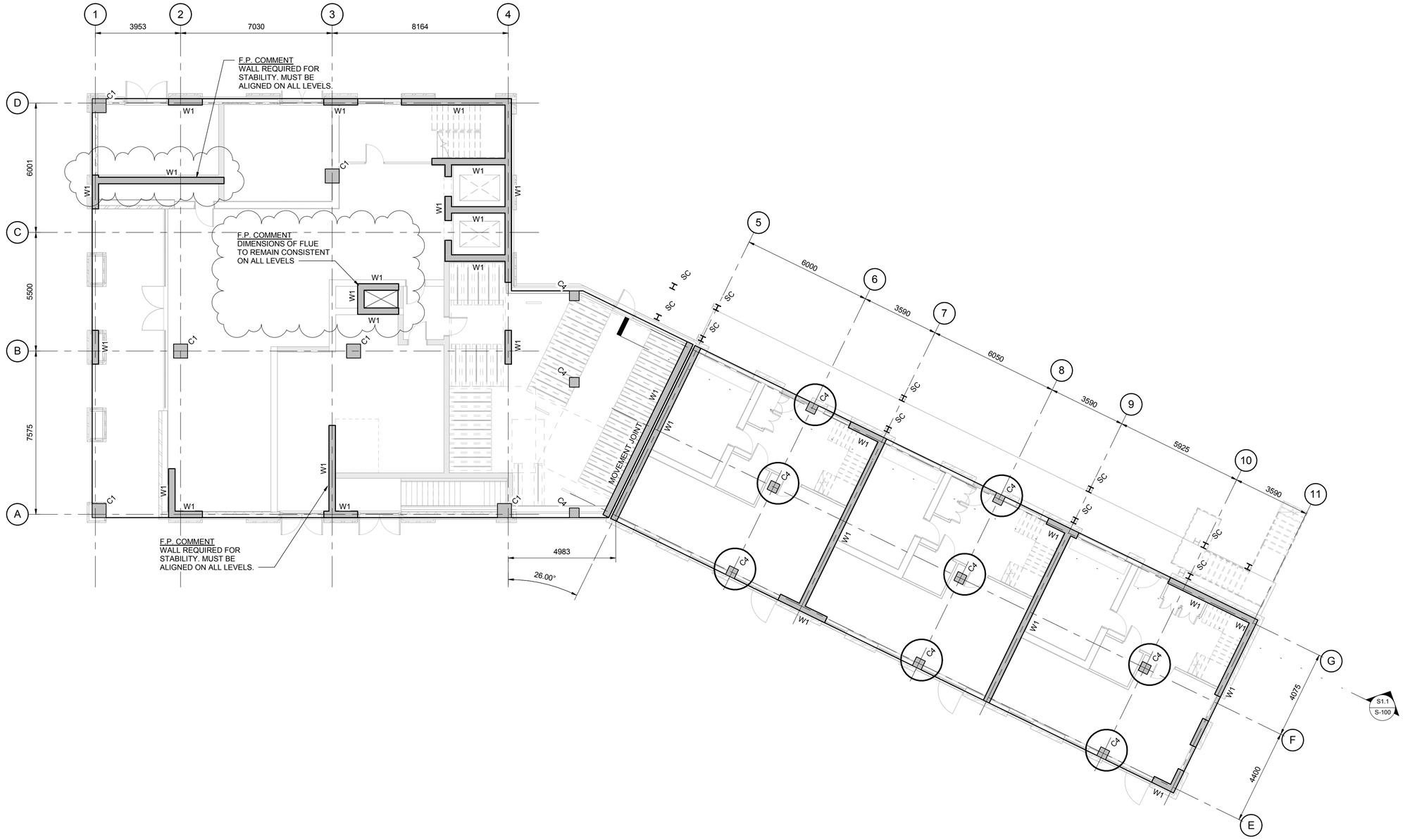
Project: CHOCOLATE FACTORY

Drawing Title: BLOCK B
BASEMENT PLAN

Drawn	Date	Checked	Scale @ A1
A.R.	**MAY '16**	**R.M.**	**As indicated**

Drawing No.: 4435(B)-S-000

Rev.: P1



GROUND FLOOR

SCALE 1 : 100

NOTE:
ALL PERIMETER SLABS/COLUMNS/WALLS HAVE BEEN SET-OUT SUCH THAT A 227mm CLADDING ZONE IS ACCOMMODATED

SLAB TO BE 275mm THICK RC SLAB

COLUMN SCHEDULE	
MARK	**MEMBER**
C1	650 x 650mm RC COLUMN
C2	600 x 600mm RC COLUMN
C3	500 x 500mm RC COLUMN
C4	450 x 450mm RC COLUMN

WALL SCHEDULE	
MARK	**MEMBER**
W1	300mm THK RC WALL

STEEL COLUMN SCHEDULE	
MARK	**MEMBER**
SC	STEEL COLUMN

AREAS REQUIRING FURTHER COORDINATION

Re	Date	Comment	By
P3	09.10.17	STAIRS / WALLS AMENDED, NOTES ADDED	SF
P2	30.11.16	PRELIMINARY ISSUE	PD
P1	06.10.16	PRELIMINARY ISSUE	AR

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers

London: 20 Britton Street, London, EC1M 5TX
tel: 020 7490 4353 fax: 020 7490 4354
e-mail: info@furnesspartnership.com

Bradford: The Paper Hall, Anne Gate, Bradford, BD1 4EQ
tel: 01274 392092
e-mail: mail@furnesspartnership.com

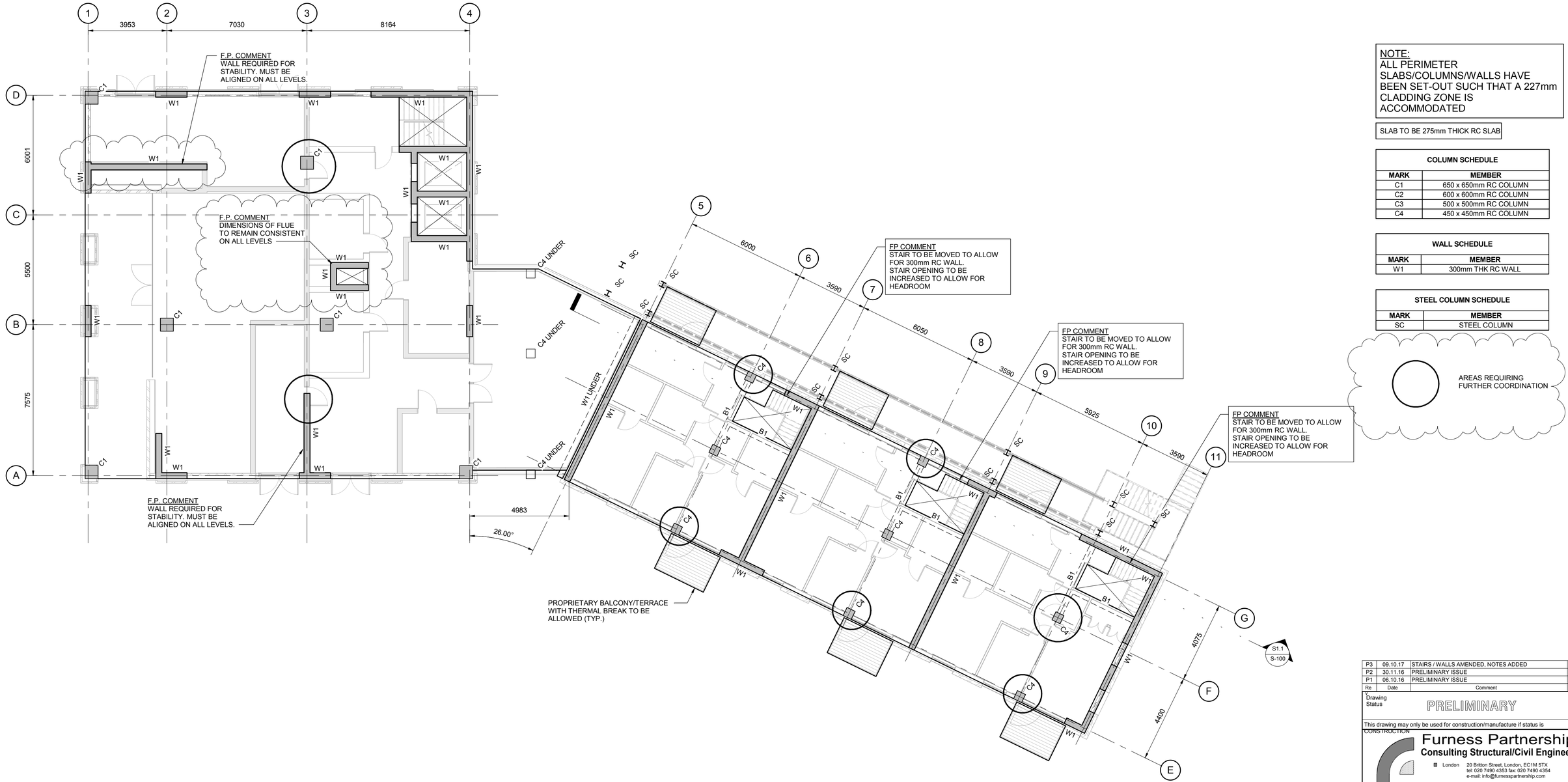
Project: CHOCOLATE FACTORY

Drawing Title: BLOCK B
GROUND FLOOR PLAN

Drawn	Date	Checked	Scale @ A1
AR	**OCT '16**	**LL**	**As indicated**

Drawing No.: 4435(B)-S-001

Rev.: P3



1ST FLOOR

SCALE 1 : 100

NOTE:
ALL PERIMETER SLABS/COLUMNS/WALLS HAVE BEEN SET-OUT SUCH THAT A 227mm CLADDING ZONE IS ACCOMMODATED

SLAB TO BE 275mm THICK RC SLAB

COLUMN SCHEDULE	
MARK	MEMBER
C1	650 x 650mm RC COLUMN
C2	600 x 600mm RC COLUMN
C3	500 x 500mm RC COLUMN
C4	450 x 450mm RC COLUMN

WALL SCHEDULE	
MARK	MEMBER
W1	300mm THK RC WALL

STEEL COLUMN SCHEDULE	
MARK	MEMBER
SC	STEEL COLUMN

AREAS REQUIRING FURTHER COORDINATION

Re	Date	Comment	By
P3	09.10.17	STAIRS / WALLS AMENDED, NOTES ADDED	SF
P2	30.11.16	PRELIMINARY ISSUE	PD
P1	06.10.16	PRELIMINARY ISSUE	AR

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers
London 20 Britton Street, London, EC1M 5TX
tel: 020 7490 4353 fax: 020 7490 4354
e-mail: info@furnesspartnership.com
Bradford The Paper Hall, Anne Gate, Bradford, BD1 4EQ
tel: 01274 392092
e-mail: mail@furnesspartnership.com

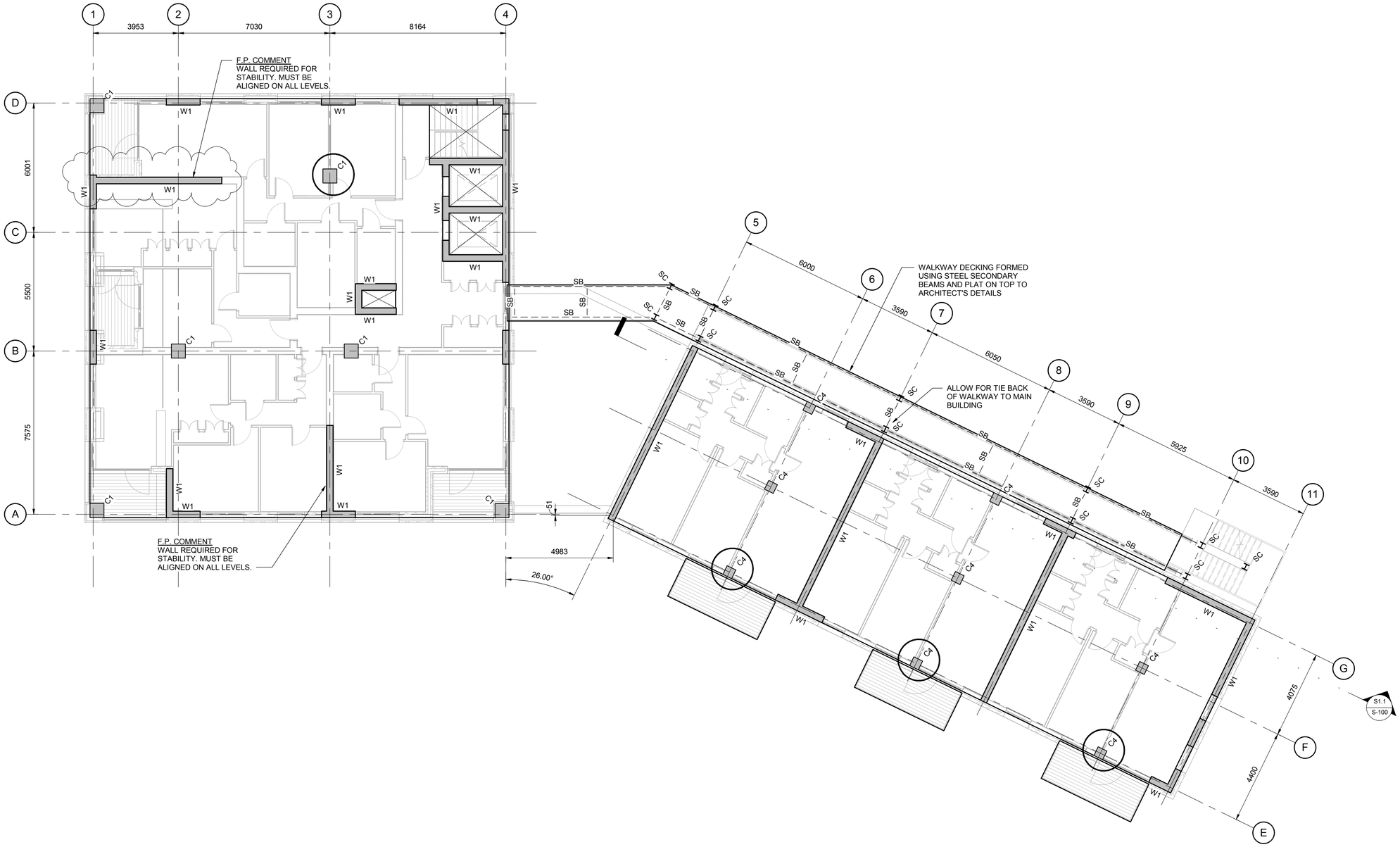
Project: CHOCOLATE FACTORY

Drawing Title: BLOCK B
1ST FLOOR PLAN

Drawn	Date	Checked	Scale @ A1
AR	OCT '16	LL	As indicated

Drawing No.: 4435(B)-S-002

Rev.: P3



2ND FLOOR

SCALE 1 : 100

NOTE:
ALL PERIMETER SLABS/COLUMNS/WALLS HAVE BEEN SET-OUT SUCH THAT A 227mm CLADDING ZONE IS ACCOMMODATED

SLAB TO BE 275mm THICK RC SLAB

COLUMN SCHEDULE	
MARK	MEMBER
C1	650 x 650mm RC COLUMN
C2	600 x 600mm RC COLUMN
C3	500 x 500mm RC COLUMN
C4	450 x 450mm RC COLUMN

WALL SCHEDULE	
MARK	MEMBER
W1	300mm THK RC WALL

STEEL COLUMN SCHEDULE	
MARK	MEMBER
SC	STEEL COLUMN

AREAS REQUIRING FURTHER COORDINATION

Re	Date	Comment	By
P3	09.10.17	STAIRS / WALLS AMENDED, NOTES ADDED	SF
P2	30.11.16	PRELIMINARY ISSUE. DRAWING RE-NAMED	PD
P1	06.10.16	PRELIMINARY ISSUE	AR

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers
London: 20 Britton Street, London, EC1M 5TX
tel: 020 7490 4353 fax: 020 7490 4354
e-mail: info@furnesspartnership.com
Bradford: The Paper Hall, Anne Gate, Bradford, BD1 4EQ
tel: 01274 392092
e-mail: mail@furnesspartnership.com

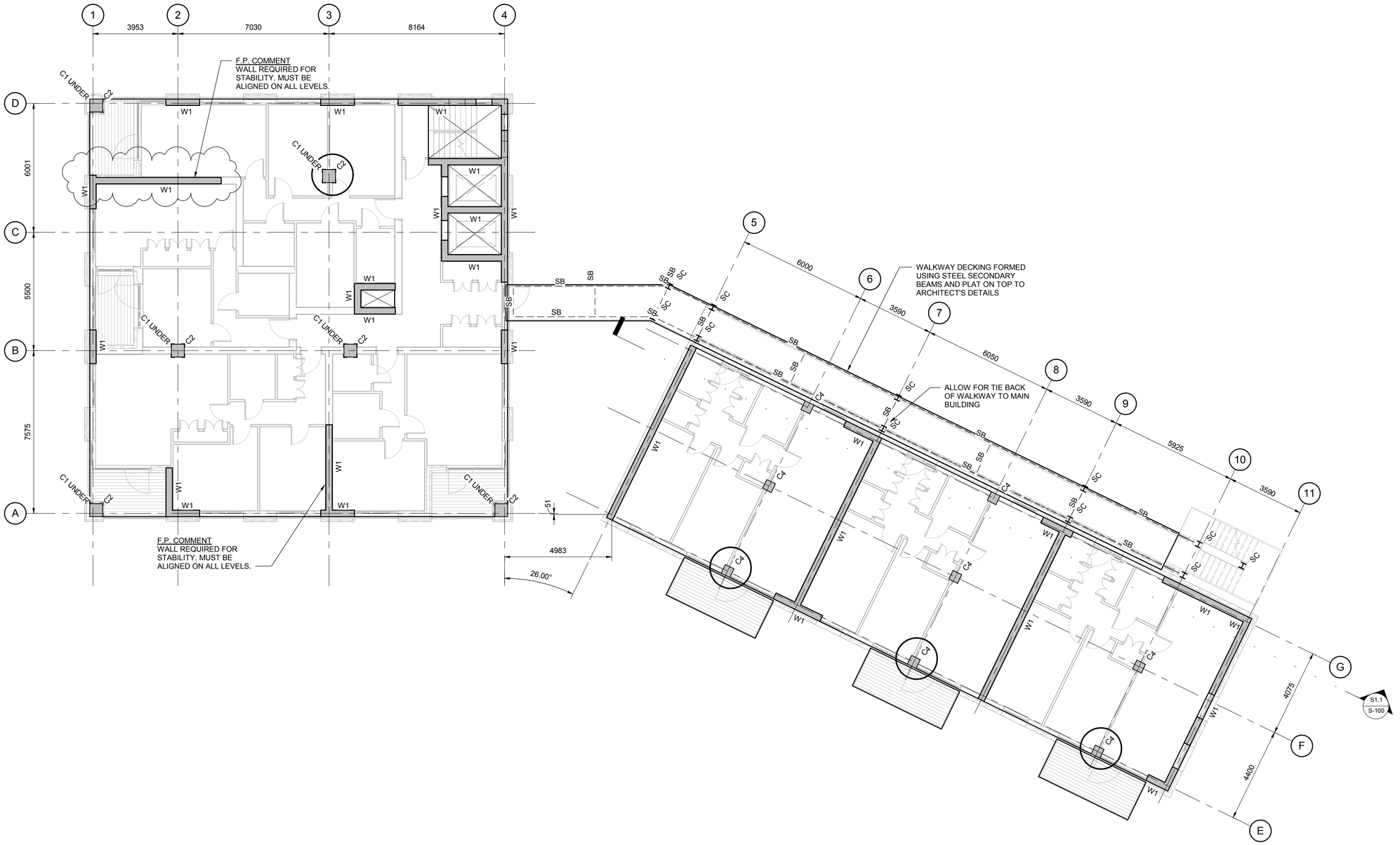
Project: CHOCOLATE FACTORY

Drawing Title: BLOCK B
2ND FLOOR PLAN

Drawn	Date	Checked	Scale @ A1
AR	OCT '16	LL	As indicated

Drawing No.: 4435(B)-S-003

Rev.: P3



3RD FLOOR

SCALE 1 : 100

NOTE:
ALL PERIMETER SLABS/COLUMNS/WALLS HAVE BEEN SET-OUT SUCH THAT A 227mm CLADDING ZONE IS ACCOMMODATED

SLAB TO BE 275mm THICK RC SLAB

COLUMN SCHEDULE	
MARK	MEMBER
C1	650 x 650mm RC COLUMN
C2	600 x 600mm RC COLUMN
C3	500 x 500mm RC COLUMN
C4	450 x 450mm RC COLUMN

WALL SCHEDULE	
MARK	MEMBER
W1	300mm THK RC WALL

STEEL COLUMN SCHEDULE	
MARK	MEMBER
SC	STEEL COLUMN

AREAS REQUIRING FURTHER COORDINATION

Re	Date	Comment	By
P3	09.10.17	STAIRS / WALLS AMENDED, NOTES ADDED	SF
P2	30.11.16	PRELIMINARY ISSUE. DRAWING RE-NAMED	PD
P1	06.10.16	PRELIMINARY ISSUE	AR

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers
London 20 Britton Street, London, EC1M 5TX
tel: 020 7490 4353 fax: 020 7490 4354
e-mail: info@furnesspartnership.com
Bradford The Paper Hall, Anne Gate, Bradford, BD1 4EQ
tel: 01274 392092
e-mail: mail@furnesspartnership.com

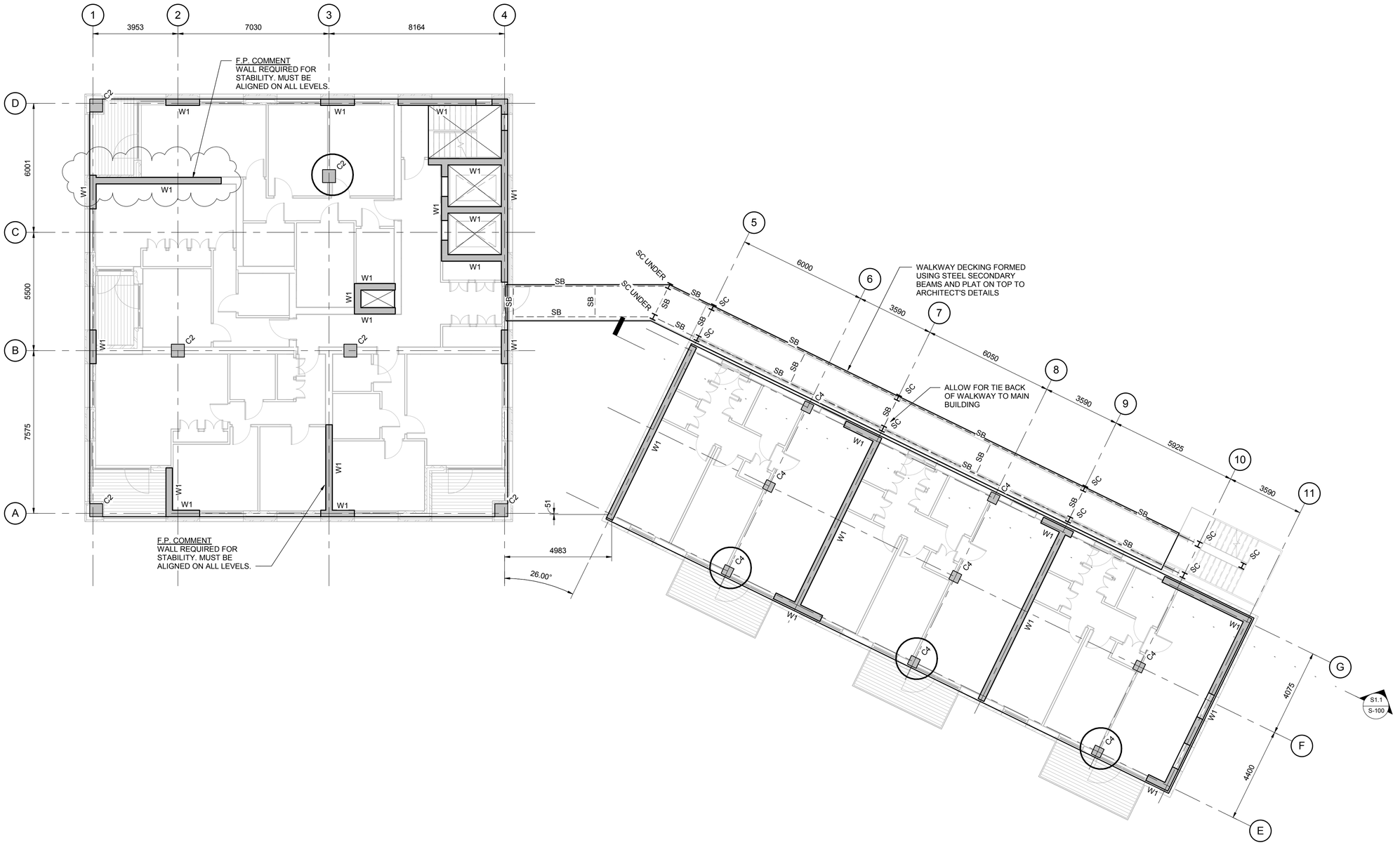
Project: CHOCOLATE FACTORY

Drawing Title: BLOCK B
3RD FLOOR PLAN

Drawn	Date	Checked	Scale @ A1
P.D.	NOV 2016	R.M.	As indicated

Drawing No.: 4435(B)-S-004

Rev.: P3



F.P. COMMENT
WALL REQUIRED FOR
STABILITY. MUST BE
ALIGNED ON ALL LEVELS.

4TH FLOOR

SCALE 1 : 100

NOTE:
ALL PERIMETER
SLABS/COLUMNS/WALLS HAVE
BEEN SET-OUT SUCH THAT A 227mm
CLADDING ZONE IS
ACCOMMODATED

SLAB TO BE 275mm THICK RC SLAB

COLUMN SCHEDULE	
MARK	MEMBER
C1	650 x 650mm RC COLUMN
C2	600 x 600mm RC COLUMN
C3	500 x 500mm RC COLUMN
C4	450 x 450mm RC COLUMN

WALL SCHEDULE	
MARK	MEMBER
W1	300mm THK RC WALL

STEEL COLUMN SCHEDULE	
MARK	MEMBER
SC	STEEL COLUMN

AREAS REQUIRING
FURTHER COORDINATION

Re	Date	Comment	By
P2	09.10.17	STAIRS / WALLS AMENDED, NOTES ADDED	SF
P1	30.11.16	PRELIMINARY ISSUE	PD

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers
London 20 Britton Street, London, EC1M 5TX
tel: 020 7490 4353 fax: 020 7490 4354
e-mail: info@furnesspartnership.com
Bradford The Paper Hall, Anne Gate, Bradford, BD1 4EQ
tel: 01274 392092
e-mail: mail@furnesspartnership.com

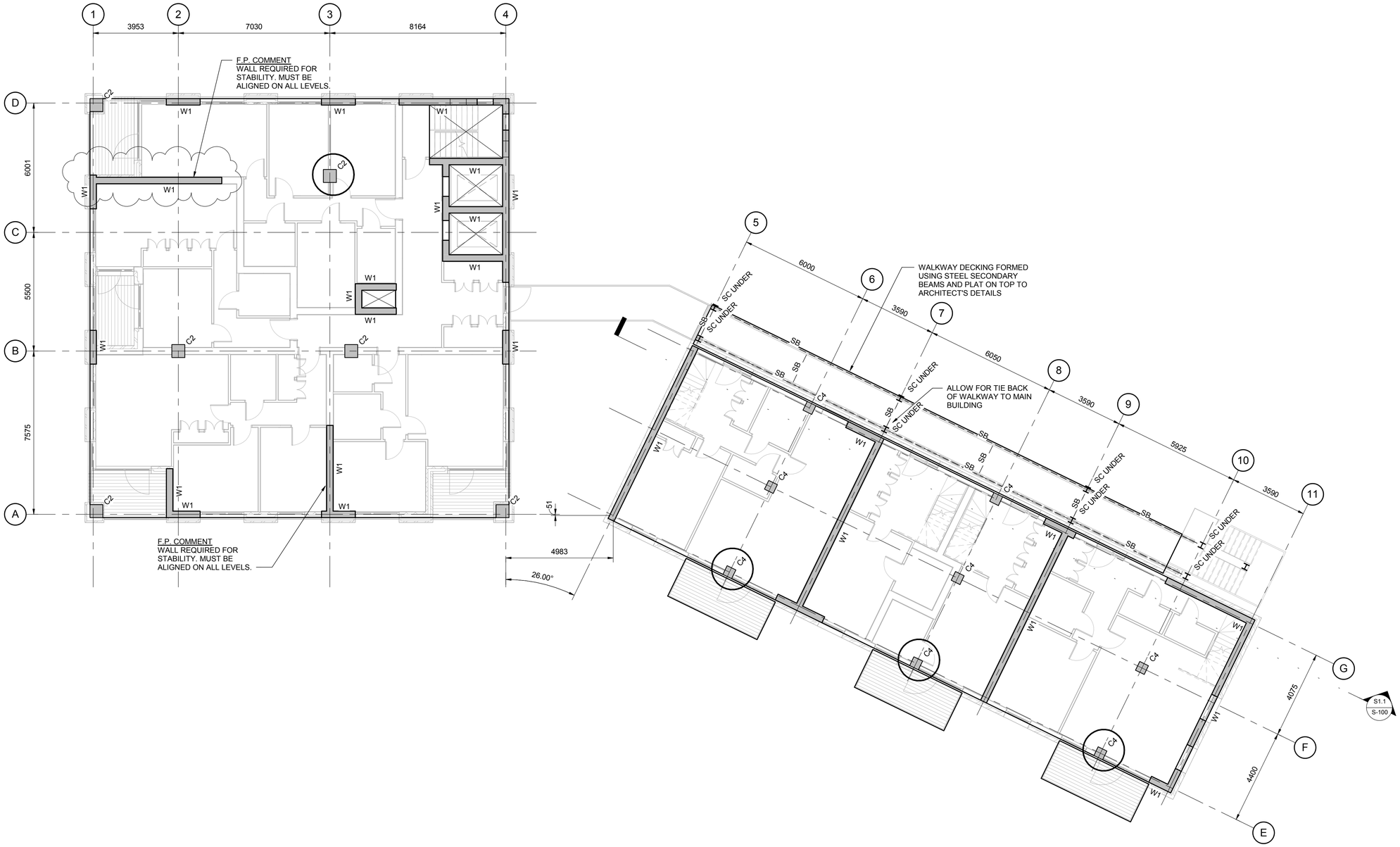
Project: CHOCOLATE FACTORY

Drawing Title: BLOCK B
4TH FLOOR PLAN

Drawn	Date	Checked	Scale @ A1
P.D.	NOV 2016	R.M.	As indicated

Drawing No.: 4435(B)-S-005

Rev.: P2



NOTE:
ALL PERIMETER SLABS/COLUMNS/WALLS HAVE BEEN SET-OUT SUCH THAT A 227mm CLADDING ZONE IS ACCOMMODATED

SLAB TO BE 275mm THICK RC SLAB

COLUMN SCHEDULE	
MARK	**MEMBER**
C1	650 x 650mm RC COLUMN
C2	600 x 600mm RC COLUMN
C3	500 x 500mm RC COLUMN
C4	450 x 450mm RC COLUMN

WALL SCHEDULE	
MARK	**MEMBER**
W1	300mm THK RC WALL

STEEL COLUMN SCHEDULE	
MARK	**MEMBER**
SC	STEEL COLUMN

AREAS REQUIRING FURTHER COORDINATION

5TH FLOOR

SCALE 1 : 100

Re	Date	Comment	By
P2	09.10.17	STAIRS / WALLS AMENDED, NOTES ADDED	SF
P1	30.11.16	PRELIMINARY ISSUE	PD

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers
London 20 Britton Street, London, EC1M 5TX tel: 020 7490 4353 fax: 020 7490 4354 e-mail: info@furnesspartnership.com
Bradford The Paper Hall, Anne Gate, Bradford, BD1 4EQ tel: 01274 392092 e-mail: mail@furnesspartnership.com

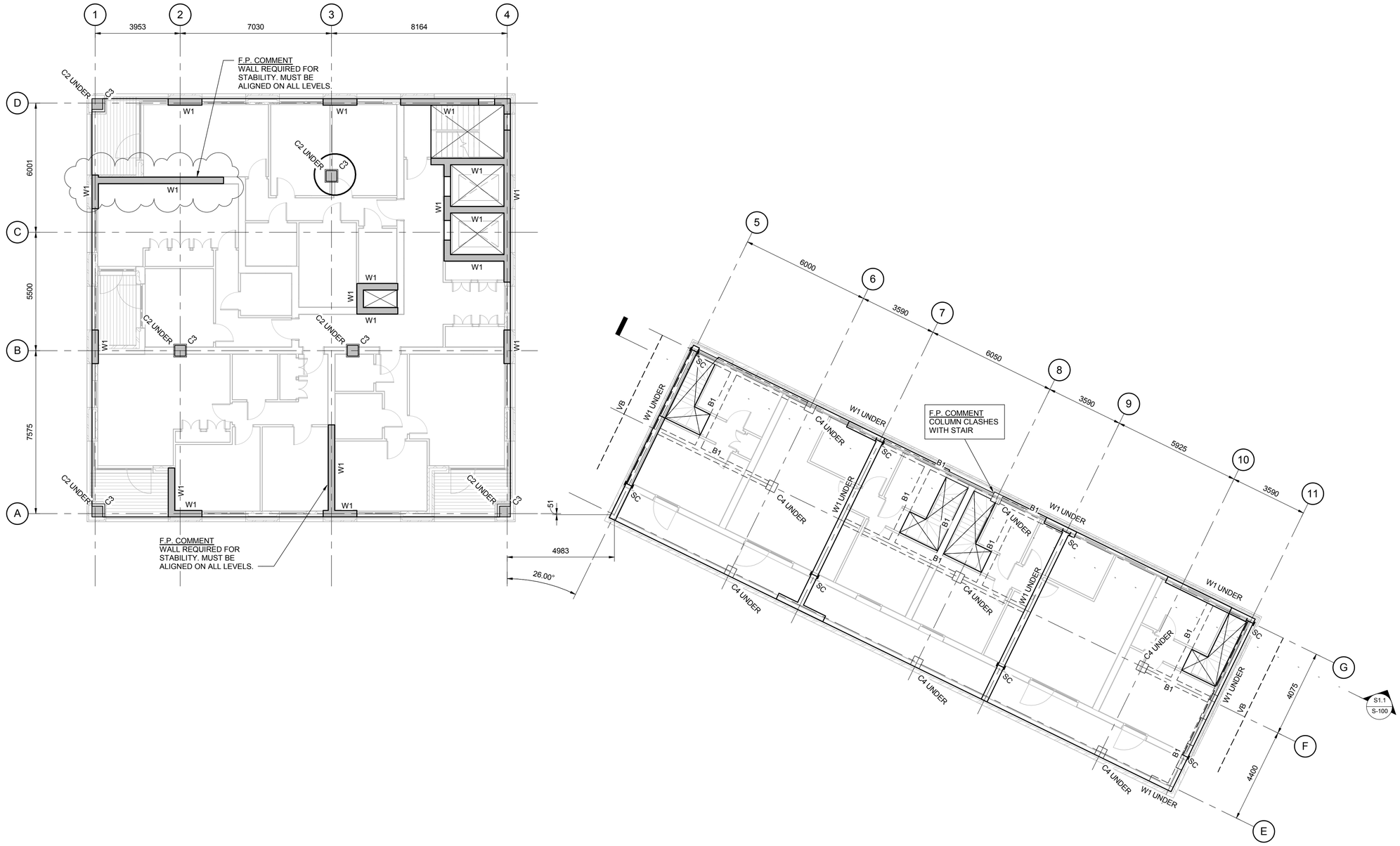
Project: CHOCOLATE FACTORY

Drawing Title: BLOCK B
5TH FLOOR PLAN

Drawn	Date	Checked	Scale @ A1
P.D.	NOV 2016	R.M.	As indicated

Drawing No.: 4435(B)-S-006

Rev.: P2



6TH FLOOR

SCALE 1 : 100

NOTE:
ALL PERIMETER SLABS/COLUMNS/WALLS HAVE BEEN SET-OUT SUCH THAT A 227mm CLADDING ZONE IS ACCOMMODATED

SLAB TO BE 275mm THICK RC SLAB

COLUMN SCHEDULE	
MARK	**MEMBER**
C1	650 x 650mm RC COLUMN
C2	600 x 600mm RC COLUMN
C3	500 x 500mm RC COLUMN
C4	450 x 450mm RC COLUMN

WALL SCHEDULE	
MARK	**MEMBER**
W1	300mm THK RC WALL

STEEL COLUMN SCHEDULE	
MARK	**MEMBER**
SC	STEEL COLUMN

MEMBER SCHEDULE	
MARK	**MEMBER**
B1	300 x450mm DEEP RC BEAM

STEEL BEAM SCHEDULE	
MARK	**MEMBER**
SB	STEEL BEAM

BRACING SCHEDULE	
MARK	**MEMBER**
VB	10 X150 VERTICAL CROSS BRACING

AREAS REQUIRING FURTHER COORDINATION

Re	Date	Comment	By
P2	09.10.17	STAIRS / WALLS AMENDED, NOTES ADDED	SF
P1	30.11.16	PRELIMINARY ISSUE	PD

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers
London 20 Britton Street, London, EC1M 5TX tel: 020 7490 4353 fax: 020 7490 4354 e-mail: info@furnesspartnership.com
Bradford The Paper Hall, Anne Gate, Bradford, BD1 4EQ tel: 01274 392092 e-mail: mail@furnesspartnership.com

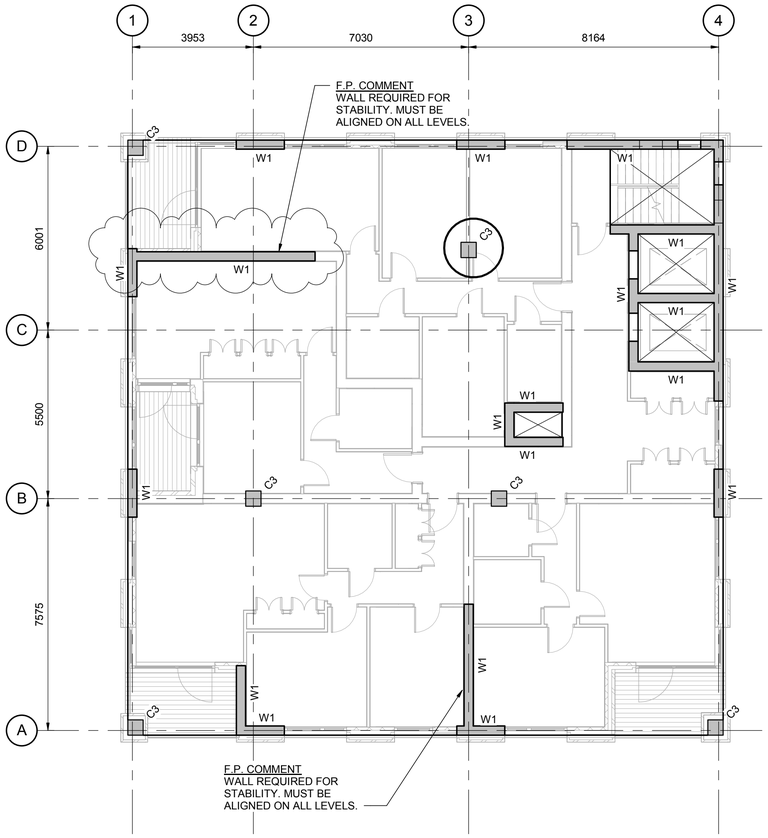
Project: CHOCOLATE FACTORY

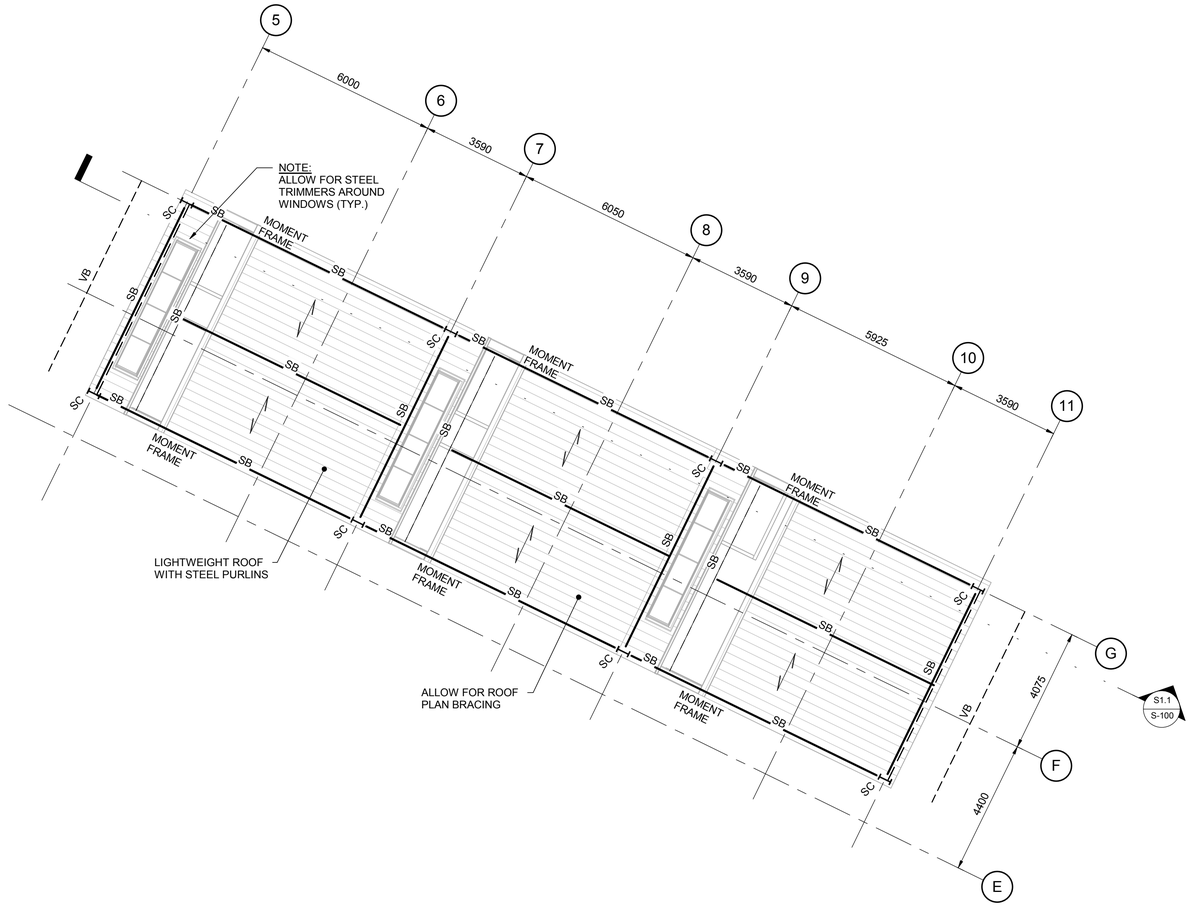
Drawing Title: BLOCK B
6TH FLOOR PLAN

Drawn	Date	Checked	Scale @ A1
P.D.	NOV 2016	R.M.	As indicated

Drawing No.: 4435(B)-S-007

Rev.: P2





7TH FLOOR
SCALE 1 : 100

SLAB TO BE 275mm THICK RC SLAB

COLUMN SCHEDULE	
MARK	**MEMBER**
C1	650 x 650mm RC COLUMN
C2	600 x 600mm RC COLUMN
C3	500 x 500mm RC COLUMN
C4	450 x 450mm RC COLUMN

WALL SCHEDULE	
MARK	**MEMBER**
W1	300mm THK RC WALL

STEEL COLUMN SCHEDULE	
MARK	**MEMBER**
SC	STEEL COLUMN

MEMBER SCHEDULE	
MARK	**MEMBER**
B1	300 x450mm DEEP RC BEAM

STEEL BEAM SCHEDULE	
MARK	**MEMBER**
SB	STEEL BEAM

BRACING SCHEDULE	
MARK	**MEMBER**
VB	10 X150 VERTICAL CROSS BRACING

AREAS REQUIRING
FURTHER COORDINATION

Re	Date	Comment	By
P2	09.10.17	STAIRS / WALLS AMENDED, NOTES ADDED	SF
P1	30.11.16	PRELIMINARY ISSUE	PD

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers
London 20 Britton Street, London, EC1M 5TX
tel: 020 7490 4353 fax: 020 7490 4354
e-mail: info@furnesspartnership.com
Bradford The Paper Hall, Anne Gate, Bradford, BD1 4EQ
tel: 01274 392092
e-mail: mail@furnesspartnership.com

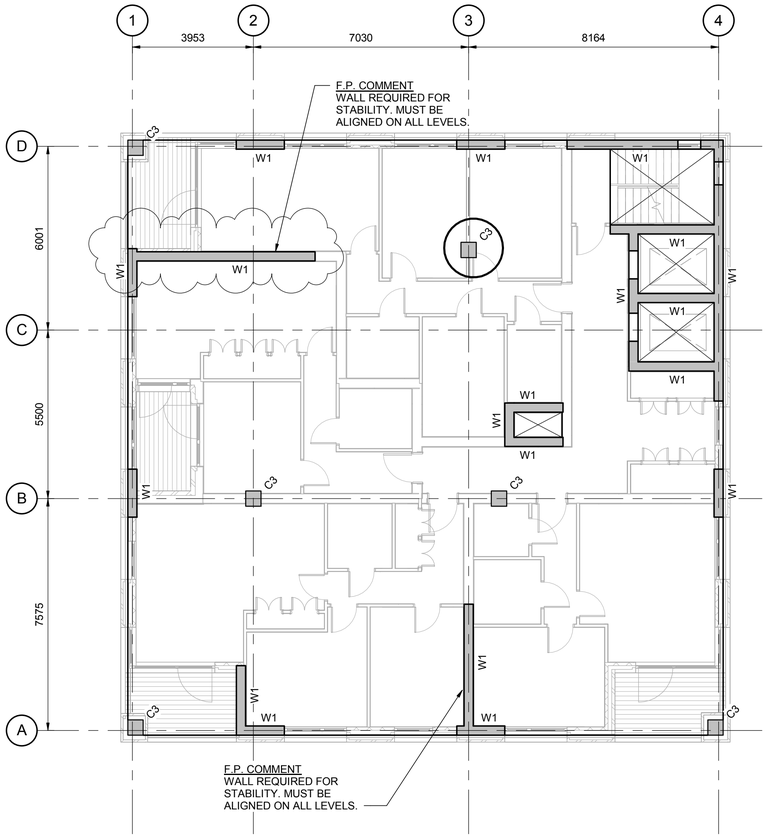
Project: CHOCOLATE FACTORY

Drawing Title: BLOCK B
7TH FLOOR PLAN

Drawn	Date	Checked	Scale @ A1
P.D.	NOV 2016	R.M.	As indicated

Drawing No.: 4435(B)-S-008

Rev.: P2



SLAB TO BE 275mm THICK RC SLAB

COLUMN SCHEDULE	
MARK	**MEMBER**
C1	650 x 650mm RC COLUMN
C2	600 x 600mm RC COLUMN
C3	500 x 500mm RC COLUMN
C4	450 x 450mm RC COLUMN

WALL SCHEDULE	
MARK	**MEMBER**
W1	300mm THK RC WALL

STEEL COLUMN SCHEDULE	
MARK	**MEMBER**
SC	STEEL COLUMN

MEMBER SCHEDULE	
MARK	**MEMBER**
B1	300 x450mm DEEP RC BEAM

STEEL BEAM SCHEDULE	
MARK	**MEMBER**
SB	STEEL BEAM

BRACING SCHEDULE	
MARK	**MEMBER**
VB	10 X150 VERTICAL CROSS BRACING

AREAS REQUIRING
FURTHER COORDINATION

8TH FLOOR

SCALE 1 : 100

Re	Date	Comment	By
P2	09.10.17	STAIRS / WALLS AMENDED, NOTES ADDED	SF
P1	30.11.16	PRELIMINARY ISSUE	PD

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers
London 20 Britton Street, London, EC1M 5TX
tel: 020 7490 4353 fax: 020 7490 4354
e-mail: info@furnesspartnership.com
Bradford The Paper Hall, Anne Gate, Bradford, BD1 4EQ
tel: 01274 392092
e-mail: mail@furnesspartnership.com

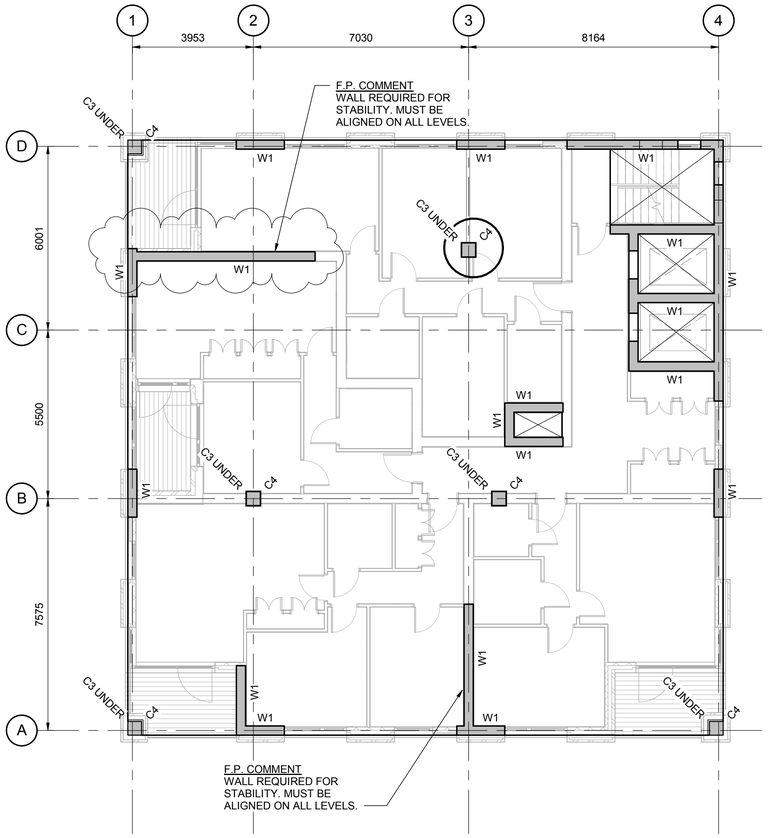
Project: CHOCOLATE FACTORY

Drawing Title: BLOCK B
8TH FLOOR PLAN

Drawn	Date	Checked	Scale @ A1
P.D.	NOV 2016	R.M.	As indicated

Drawing No.: 4435(B)-S-009

Rev.: P2



9TH FLOOR

SCALE 1 : 100

SLAB TO BE 275mm THICK RC SLAB

COLUMN SCHEDULE	
MARK	**MEMBER**
C1	650 x 650mm RC COLUMN
C2	600 x 600mm RC COLUMN
C3	500 x 500mm RC COLUMN
C4	450 x 450mm RC COLUMN

WALL SCHEDULE	
MARK	**MEMBER**
W1	300mm THK RC WALL

STEEL COLUMN SCHEDULE	
MARK	**MEMBER**
SC	STEEL COLUMN

MEMBER SCHEDULE	
MARK	**MEMBER**
B1	300 x450mm DEEP RC BEAM

STEEL BEAM SCHEDULE	
MARK	**MEMBER**
SB	STEEL BEAM

BRACING SCHEDULE	
MARK	**MEMBER**
VB	10 X150 VERTICAL CROSS BRACING

AREAS REQUIRING
FURTHER COORDINATION

Re	Date	Comment	By
P2	09.10.17	STAIRS / WALLS AMENDED, NOTES ADDED	SF
P1	30.11.16	PRELIMINARY ISSUE	PD

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers
London 20 Britton Street, London, EC1M 5TX
tel: 020 7490 4353 fax: 020 7490 4354
e-mail: info@furnesspartnership.com
Bradford The Paper Hall, Anne Gate, Bradford, BD1 4EQ
tel: 01274 392092
e-mail: mail@furnesspartnership.com

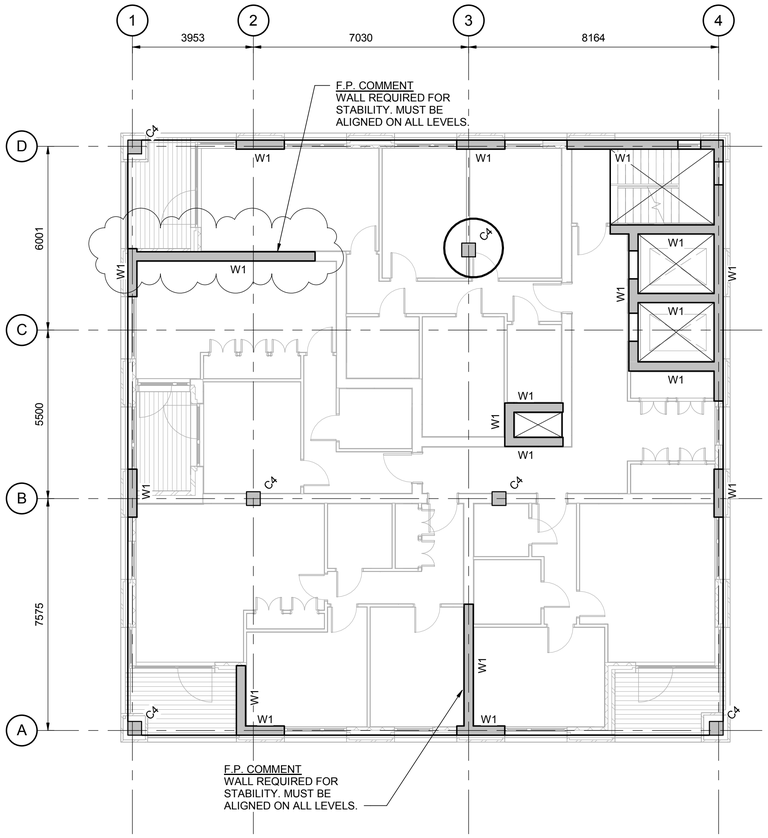
Project: CHOCOLATE FACTORY

Drawing Title: BLOCK B
9TH FLOOR PLAN

Drawn	Date	Checked	Scale @ A1
P.D.	NOV 2016	R.M.	As indicated

Drawing No.: 4435(B)-S-010

Rev.: P2



10TH FLOOR

SCALE 1 : 100

SLAB TO BE 275mm THICK RC SLAB

COLUMN SCHEDULE	
MARK	**MEMBER**
C1	650 x 650mm RC COLUMN
C2	600 x 600mm RC COLUMN
C3	500 x 500mm RC COLUMN
C4	450 x 450mm RC COLUMN

WALL SCHEDULE	
MARK	**MEMBER**
W1	300mm THK RC WALL

STEEL COLUMN SCHEDULE	
MARK	**MEMBER**
SC	STEEL COLUMN

MEMBER SCHEDULE	
MARK	**MEMBER**
B1	300 x450mm DEEP RC BEAM

STEEL BEAM SCHEDULE	
MARK	**MEMBER**
SB	STEEL BEAM

BRACING SCHEDULE	
MARK	**MEMBER**
VB	10 X150 VERTICAL CROSS BRACING

AREAS REQUIRING
FURTHER COORDINATION

Re	Date	Comment	By
P2	09.10.17	STAIRS / WALLS AMENDED, NOTES ADDED	SF
P1	30.11.16	PRELIMINARY ISSUE	PD

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers
London 20 Britton Street, London, EC1M 5TX
tel: 020 7490 4353 fax: 020 7490 4354
e-mail: info@furnesspartnership.com
Bradford The Paper Hall, Anne Gate, Bradford, BD1 4EQ
tel: 01274 392092
e-mail: mail@furnesspartnership.com

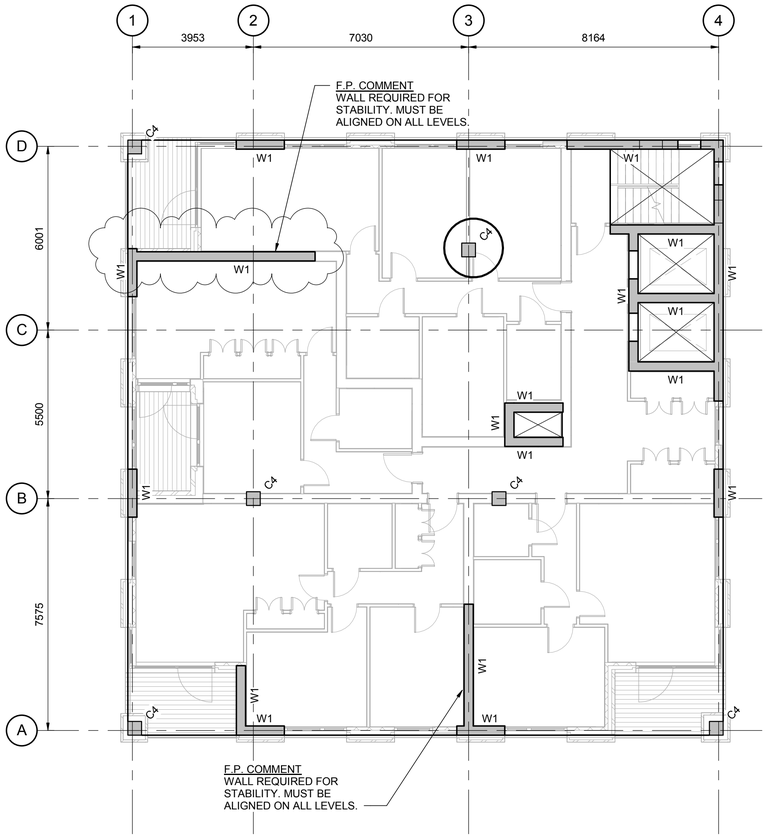
Project: CHOCOLATE FACTORY

Drawing Title: BLOCK B
10TH FLOOR PLAN

Drawn	Date	Checked	Scale @ A1
P.D.	NOV 2016	R.M.	As indicated

Drawing No.: 4435(B)-S-011

Rev.: P2



11TH FLOOR

SCALE 1 : 100

SLAB TO BE 275mm THICK RC SLAB

COLUMN SCHEDULE	
MARK	**MEMBER**
C1	650 x 650mm RC COLUMN
C2	600 x 600mm RC COLUMN
C3	500 x 500mm RC COLUMN
C4	450 x 450mm RC COLUMN

WALL SCHEDULE	
MARK	**MEMBER**
W1	300mm THK RC WALL

STEEL COLUMN SCHEDULE	
MARK	**MEMBER**
SC	STEEL COLUMN

MEMBER SCHEDULE	
MARK	**MEMBER**
B1	300 x450mm DEEP RC BEAM

STEEL BEAM SCHEDULE	
MARK	**MEMBER**
SB	STEEL BEAM

BRACING SCHEDULE	
MARK	**MEMBER**
VB	10 X150 VERTICAL CROSS BRACING

AREAS REQUIRING
FURTHER COORDINATION

Re	Date	Comment	By
P2	09.10.17	STAIRS / WALLS AMENDED, NOTES ADDED	SF
P1	30.11.16	PRELIMINARY ISSUE	PD

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers
London 20 Britton Street, London, EC1M 5TX
tel: 020 7490 4353 fax: 020 7490 4354
e-mail: info@furnesspartnership.com
Bradford The Paper Hall, Anne Gate, Bradford, BD1 4EQ
tel: 01274 392092
e-mail: mail@furnesspartnership.com

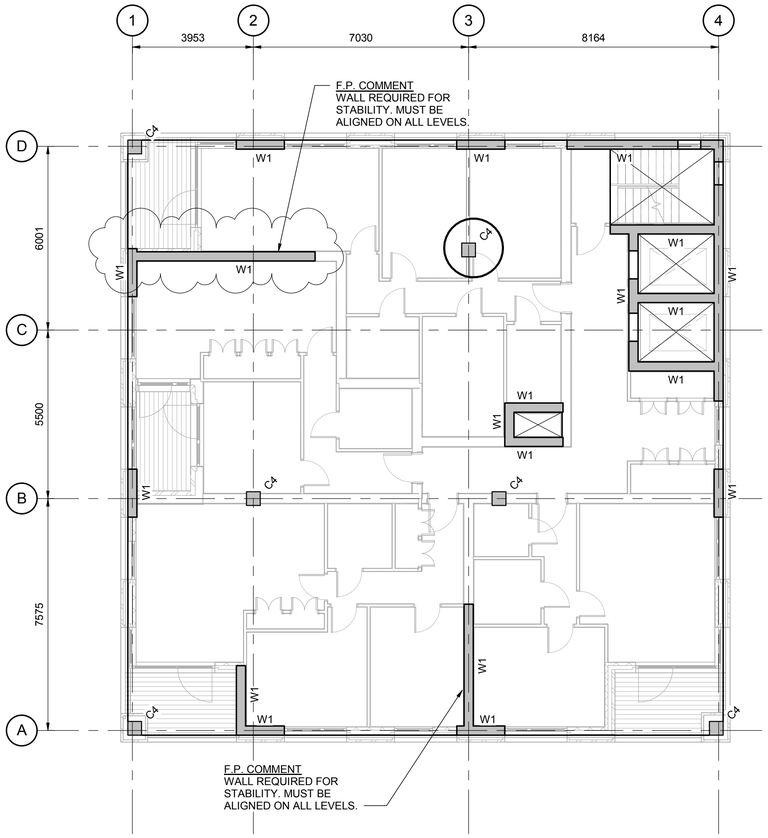
Project: CHOCOLATE FACTORY

Drawing Title: BLOCK B
11TH FLOOR PLAN

Drawn	Date	Checked	Scale @ A1
P.D.	NOV 2016	R.M.	As indicated

Drawing No.: 4435(B)-S-012

Rev.: P2



12TH FLOOR

SCALE 1 : 100

SLAB TO BE 275mm THICK RC SLAB

COLUMN SCHEDULE	
MARK	**MEMBER**
C1	650 x 650mm RC COLUMN
C2	600 x 600mm RC COLUMN
C3	500 x 500mm RC COLUMN
C4	450 x 450mm RC COLUMN

WALL SCHEDULE	
MARK	**MEMBER**
W1	300mm THK RC WALL

STEEL COLUMN SCHEDULE	
MARK	**MEMBER**
SC	STEEL COLUMN

MEMBER SCHEDULE	
MARK	**MEMBER**
B1	300 x450mm DEEP RC BEAM

STEEL BEAM SCHEDULE	
MARK	**MEMBER**
SB	STEEL BEAM

BRACING SCHEDULE	
MARK	**MEMBER**
VB	10 X150 VERTICAL CROSS BRACING

AREAS REQUIRING
FURTHER COORDINATION

Re	Date	Comment	By
P2	09.10.17	STAIRS / WALLS AMENDED, NOTES ADDED	SF
P1	30.11.16	PRELIMINARY ISSUE	PD

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers
■ London 20 Britton Street, London, EC1M 5TX
tel: 020 7490 4353 fax: 020 7490 4354
e-mail: info@furnesspartnership.com
□ Bradford The Paper Hall, Anne Gate, Bradford, BD1 4EQ
tel: 01274 392092
e-mail: mail@furnesspartnership.com

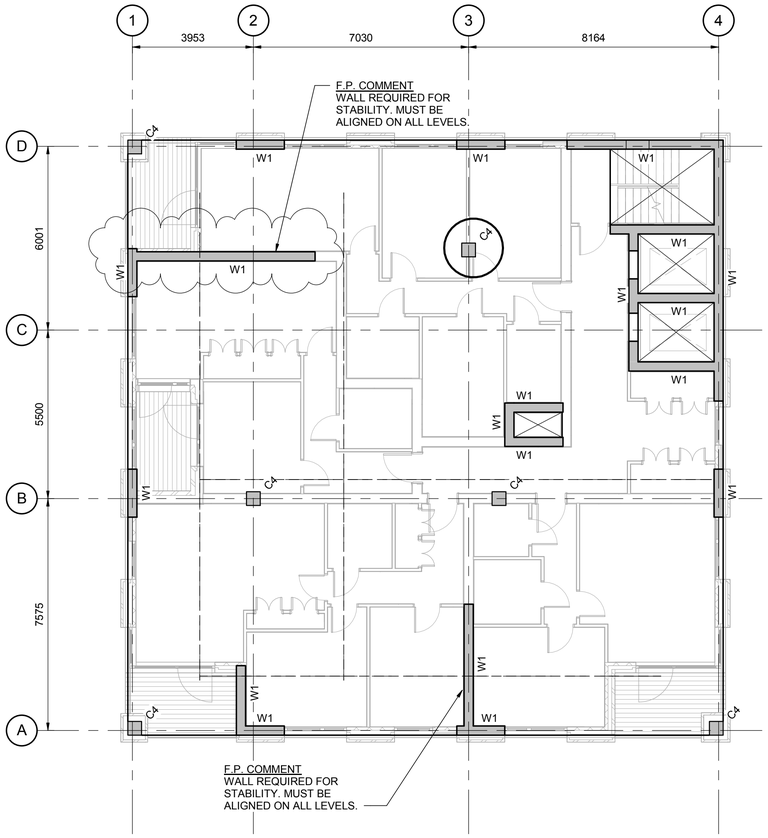
Project: CHOCOLATE FACTORY

Drawing Title: BLOCK B
12TH FLOOR PLAN

Drawn	Date	Checked	Scale @ A1
P.D.	NOV 2016	R.M.	As indicated

Drawing No.: 4435(B)-S-013

Rev.: P2



13TH FLOOR

SCALE 1 : 100

SLAB TO BE 275mm THICK RC SLAB

COLUMN SCHEDULE	
MARK	**MEMBER**
C1	650 x 650mm RC COLUMN
C2	600 x 600mm RC COLUMN
C3	500 x 500mm RC COLUMN
C4	450 x 450mm RC COLUMN

WALL SCHEDULE	
MARK	**MEMBER**
W1	300mm THK RC WALL

STEEL COLUMN SCHEDULE	
MARK	**MEMBER**
SC	STEEL COLUMN

MEMBER SCHEDULE	
MARK	**MEMBER**
B1	300 x450mm DEEP RC BEAM

STEEL BEAM SCHEDULE	
MARK	**MEMBER**
SB	STEEL BEAM

BRACING SCHEDULE	
MARK	**MEMBER**
VB	10 X150 VERTICAL CROSS BRACING

AREAS REQUIRING
FURTHER COORDINATION

Re	Date	Comment	By
P2	09.10.17	STAIRS / WALLS AMENDED, NOTES ADDED	SF
P1	30.11.16	PRELIMINARY ISSUE	PD

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers
London 20 Britton Street, London, EC1M 5TX
tel: 020 7490 4353 fax: 020 7490 4354
e-mail: info@furnesspartnership.com
Bradford The Paper Hall, Anne Gate, Bradford, BD1 4EQ
tel: 01274 392092
e-mail: mail@furnesspartnership.com

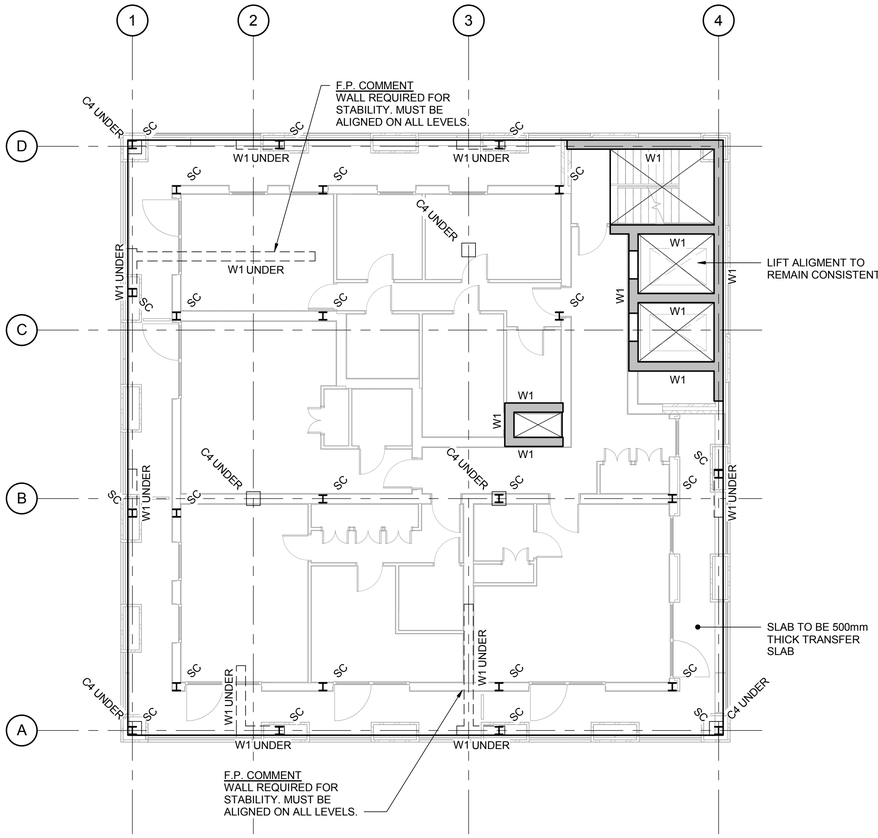
Project: CHOCOLATE FACTORY

Drawing Title: BLOCK B
13TH FLOOR PLAN

Drawn	Date	Checked	Scale @ A1
P.D.	NOV 2016	R.M.	As indicated

Drawing No.: 4435(B)-S-014

Rev.: P2



14TH FLOOR PLAN

SCALE 1 : 100

COLUMN SCHEDULE	
MARK	**MEMBER**
C1	650 x 650mm RC COLUMN
C2	600 x 600mm RC COLUMN
C3	500 x 500mm RC COLUMN
C4	450 x 450mm RC COLUMN

WALL SCHEDULE	
MARK	**MEMBER**
W1	300mm THK RC WALL

STEEL COLUMN SCHEDULE	
MARK	**MEMBER**
SC	STEEL COLUMN

MEMBER SCHEDULE	
MARK	**MEMBER**
B1	300 x450mm DEEP RC BEAM

STEEL BEAM SCHEDULE	
MARK	**MEMBER**
SB	STEEL BEAM

BRACING SCHEDULE	
MARK	**MEMBER**
VB	10 X150 VERTICAL CROSS BRACING

Re	Date	Comment	By
P1	09.10.17	PRELIMINARY ISSUE	SF

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers

London: 20 Britton Street, London, EC1M 5TX
tel: 020 7490 4353 fax: 020 7490 4354
e-mail: info@furnesspartnership.com

Bradford: The Paper Hall, Anne Gate, Bradford, BD1 4EQ
tel: 01274 392092
e-mail: mail@furnesspartnership.com

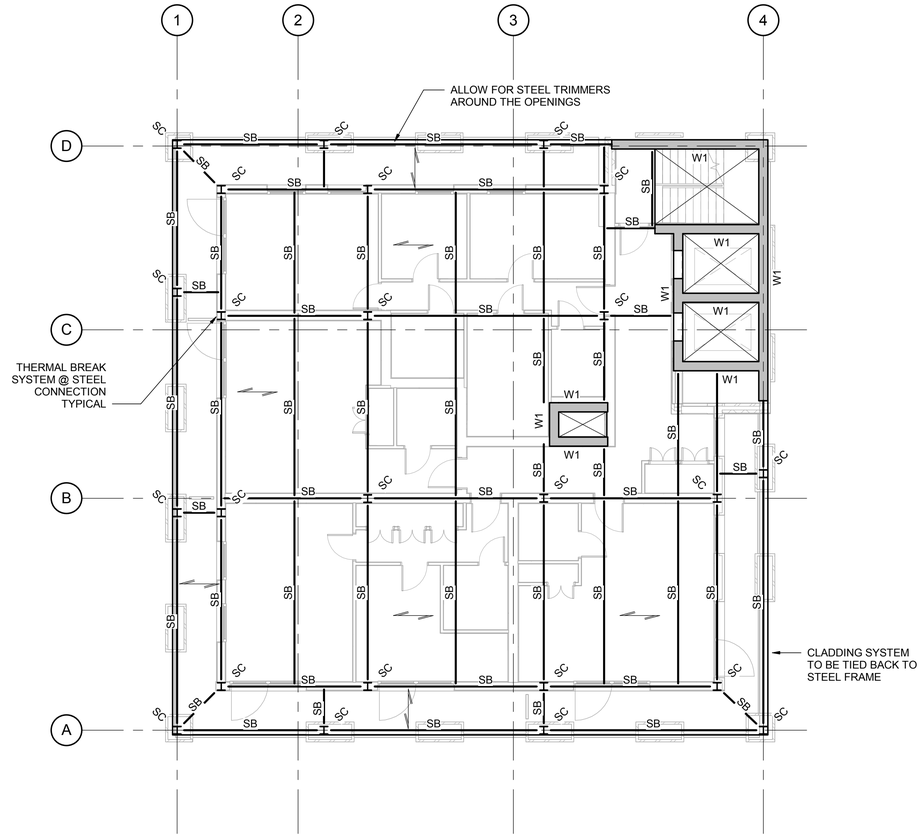
Project: CHOCOLATE FACTORY

Drawing Title: BLOCK B
14TH FLOOR PLAN

Drawn	Date	Checked	Scale @ A1
A.R.	MAY '17	R.M.	1 : 100

Drawing No.: 4435(B)-S-015

Rev.: P1



15TH FLOOR PLAN

SCALE 1 : 100

COLUMN SCHEDULE	
MARK	**MEMBER**
C1	650 x 650mm RC COLUMN
C2	600 x 600mm RC COLUMN
C3	500 x 500mm RC COLUMN
C4	450 x 450mm RC COLUMN

WALL SCHEDULE	
MARK	**MEMBER**
W1	300mm THK RC WALL

STEEL COLUMN SCHEDULE	
MARK	**MEMBER**
SC	STEEL COLUMN

MEMBER SCHEDULE	
MARK	**MEMBER**
B1	300 x450mm DEEP RC BEAM

STEEL BEAM SCHEDULE	
MARK	**MEMBER**
SB	STEEL BEAM

BRACING SCHEDULE	
MARK	**MEMBER**
VB	10 X150 VERTICAL CROSS BRACING

Re	Date	Comment	By
P1	09.10.17	PRELIMINARY ISSUE	SF

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers

London: 20 Britton Street, London, EC1M 5TX
tel: 020 7490 4353 fax: 020 7490 4354
e-mail: info@furnesspartnership.com

Bradford: The Paper Hall, Anne Gate, Bradford, BD1 4EQ
tel: 01274 392092
e-mail: mail@furnesspartnership.com

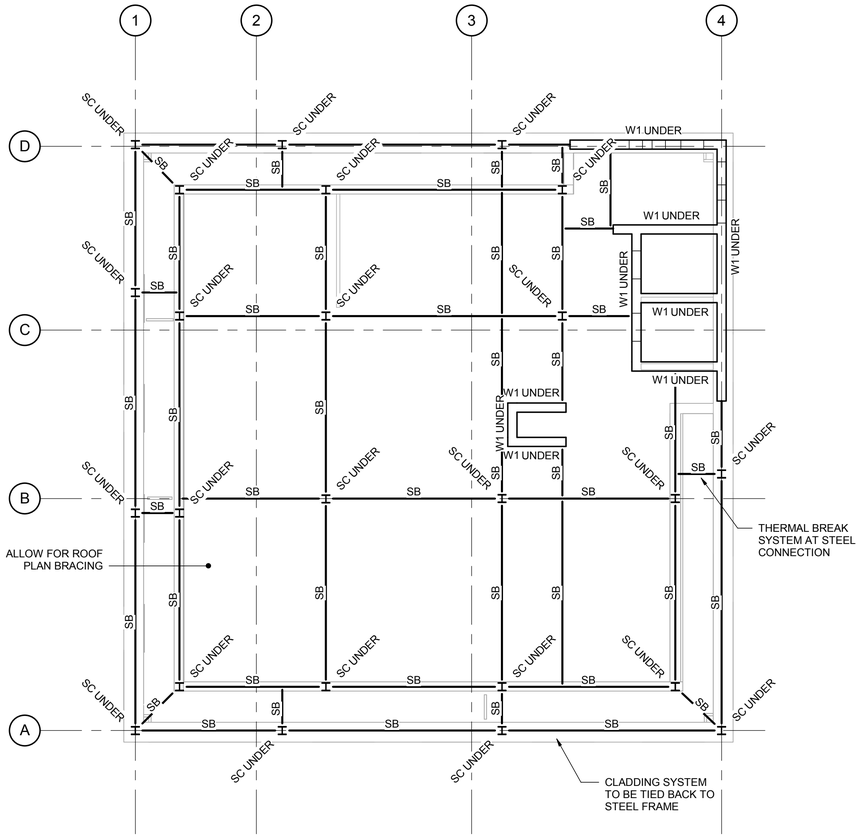
Project: CHOCOLATE FACTORY

Drawing Title: BLOCK B
15TH FLOOR PLAN

Drawn	Date	Checked	Scale @ A1
A.R.	**MAY '17**	**R.M.**	**1 : 100**

Drawing No.: 4435(B)-S-016

Rev.: P1



ROOF PLAN

SCALE 1 : 100

COLUMN SCHEDULE	
MARK	**MEMBER**
C1	650 x 650mm RC COLUMN
C2	600 x 600mm RC COLUMN
C3	500 x 500mm RC COLUMN
C4	450 x 450mm RC COLUMN

WALL SCHEDULE	
MARK	**MEMBER**
W1	300mm THK RC WALL

STEEL COLUMN SCHEDULE	
MARK	**MEMBER**
SC	STEEL COLUMN

MEMBER SCHEDULE	
MARK	**MEMBER**
B1	300 x450mm DEEP RC BEAM

STEEL BEAM SCHEDULE	
MARK	**MEMBER**
SB	STEEL BEAM

BRACING SCHEDULE	
MARK	**MEMBER**
VB	10 X150 VERTICAL CROSS BRACING

Re	Date	Comment	By
P2	09.10.17	PRELIMINARY ISSUE	SF
P1	30.11.16	PRELIMINARY ISSUE	PD

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers
London 20 Britton Street, London, EC1M 5TX
tel: 020 7490 4353 fax: 020 7490 4354
e-mail: info@furnesspartnership.com
Bradford The Paper Hall, Anne Gate, Bradford, BD1 4EQ
tel: 01274 392092
e-mail: mail@furnesspartnership.com

Project: CHOCOLATE FACTORY

Drawing Title: BLOCK B
ROOF LEVEL PLAN

Drawn	Date	Checked	Scale @ A1
P.D.	NOV 2016	R.M.	1 : 100

Drawing No.: 4435(B)-S-017

Rev.: P2



SECTION S1.1
SCALE 1 : 100 S-001

P2	09.10.17	PRELIMINARY ISSUE	SF
P1	30.11.16	PRELIMINARY ISSUE	PD
Re	Date	Comment	By

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers

■ London 20 Britton Street, London, EC1M 5TX
tel: 020 7490 4353 fax: 020 7490 4354
e-mail: info@furnesspartnership.com

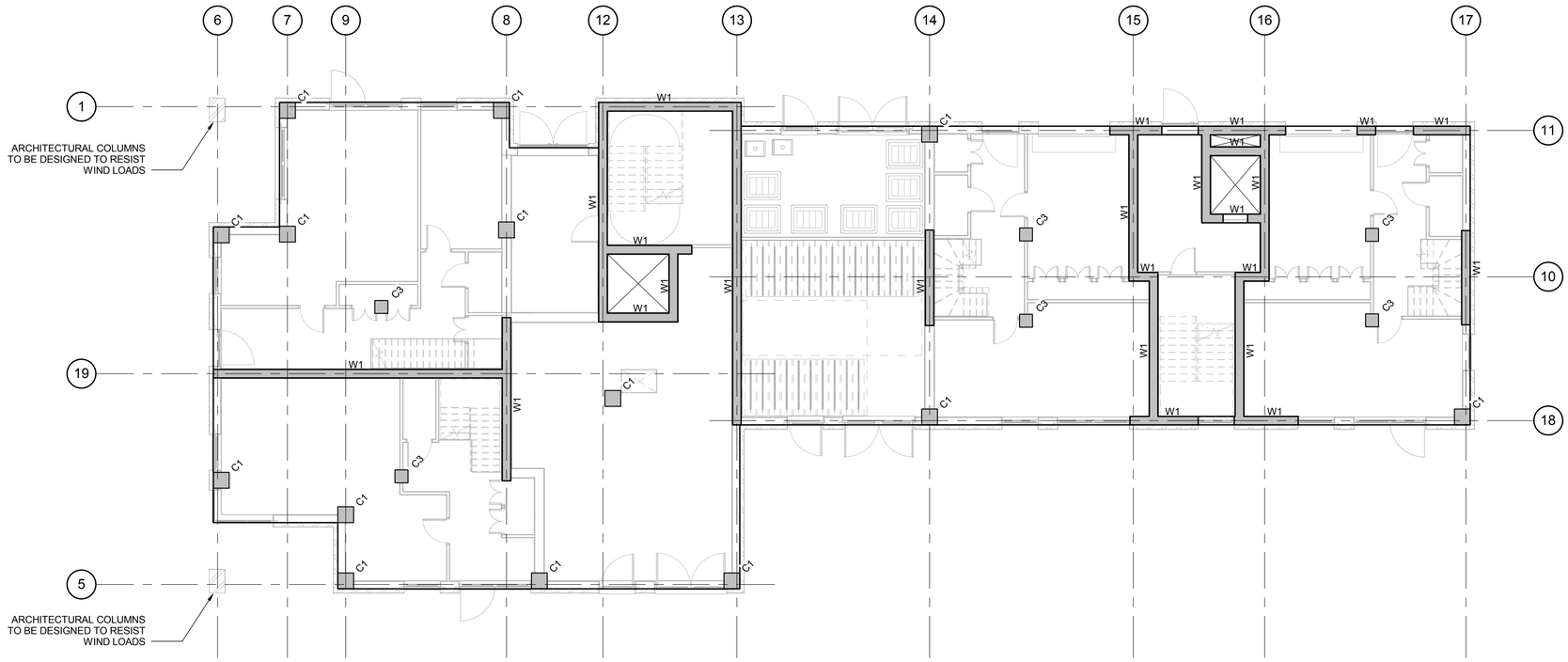
□ Bradford The Paper Hall, Anne Gate, Bradford, BD1 4EQ
tel: 01274 392092
e-mail: mail@furnesspartnership.com

Project
CHOCOLATE FACTORY

Drawing Title
BLOCK B
SECTIONS - SHEET 1

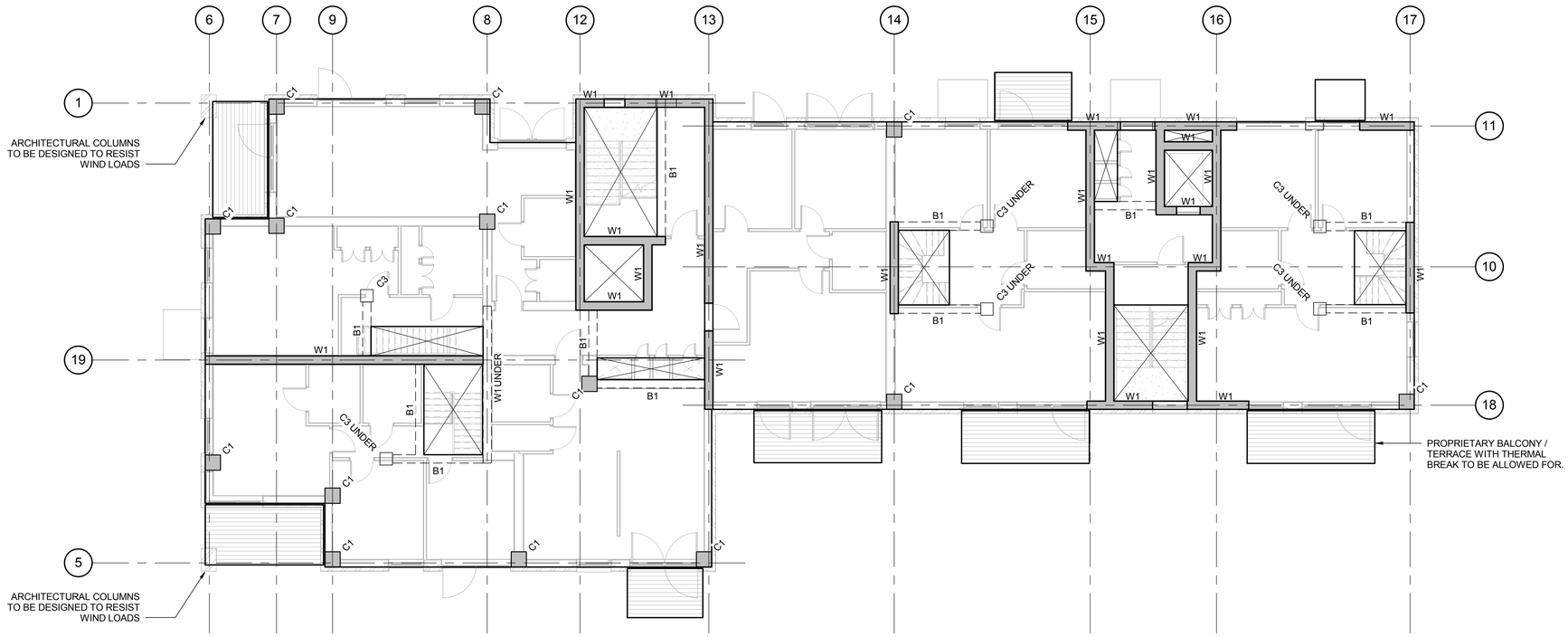
Drawn	Date	Checked	Scale @ A1
P.D.	NOV 2016	R.M.	1 : 100

Drawing No.: 4435(B)-S-100
Rev.: P2



GROUND FLOOR PLAN

SCALE 1 : 100



1ST FLOOR PLAN

SCALE 1 : 100

GENERAL NOTES

1. REFER TO DRAWING XXXX-F-000 FOR GENERAL NOTES

COLUMN SCHEDULE	
MARK	**MEMBER**
C1	550 x 550mm R.C. COLUMN
C2	500 x 500mm R.C. COLUMN
C3	450 x 450mm R.C. COLUMN
C4	STEEL COLUMN

MEMBER SCHEDULE	
MARK	**MEMBER**
B1	300 x 450 DEEP R.C. BEAM
B2	STEEL BEAM

WALL SCHEDULE	
Type Mark	**Type**
W1	300mm THICK R.C. WALL

ALL SLABS TO BE 275mm THICK U.N.O.

Rev	Date	Comment	By
A	??.??.12	DESCRIPTION	??

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers
London 20 Britton Street, London, EC1M 5TX
tel: 020 7490 4353 fax: 020 7490 4354
e-mail: info@furnesspartnership.com
Bradford The Paper Hall, Anne Gate, Bradford, BD1 4EQ
tel: 01274 392092
e-mail: mail@furnesspartnership.com

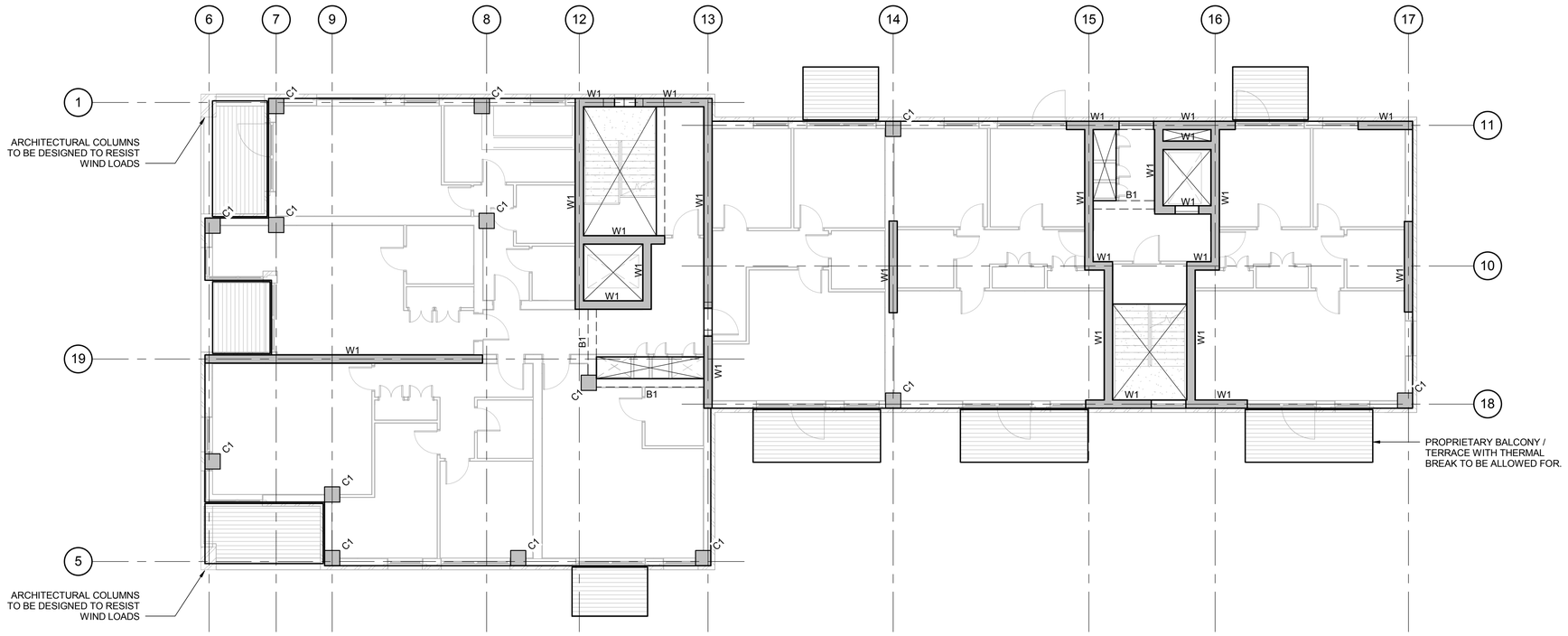
Project: CHOCOLATE FACTORY

Drawing Title: BLOCK D1
GROUND AND 1ST FLOOR PLAN

Drawn	Date	Checked	Scale @ A1
A.R.	MAY '17	R.M.	1 : 100

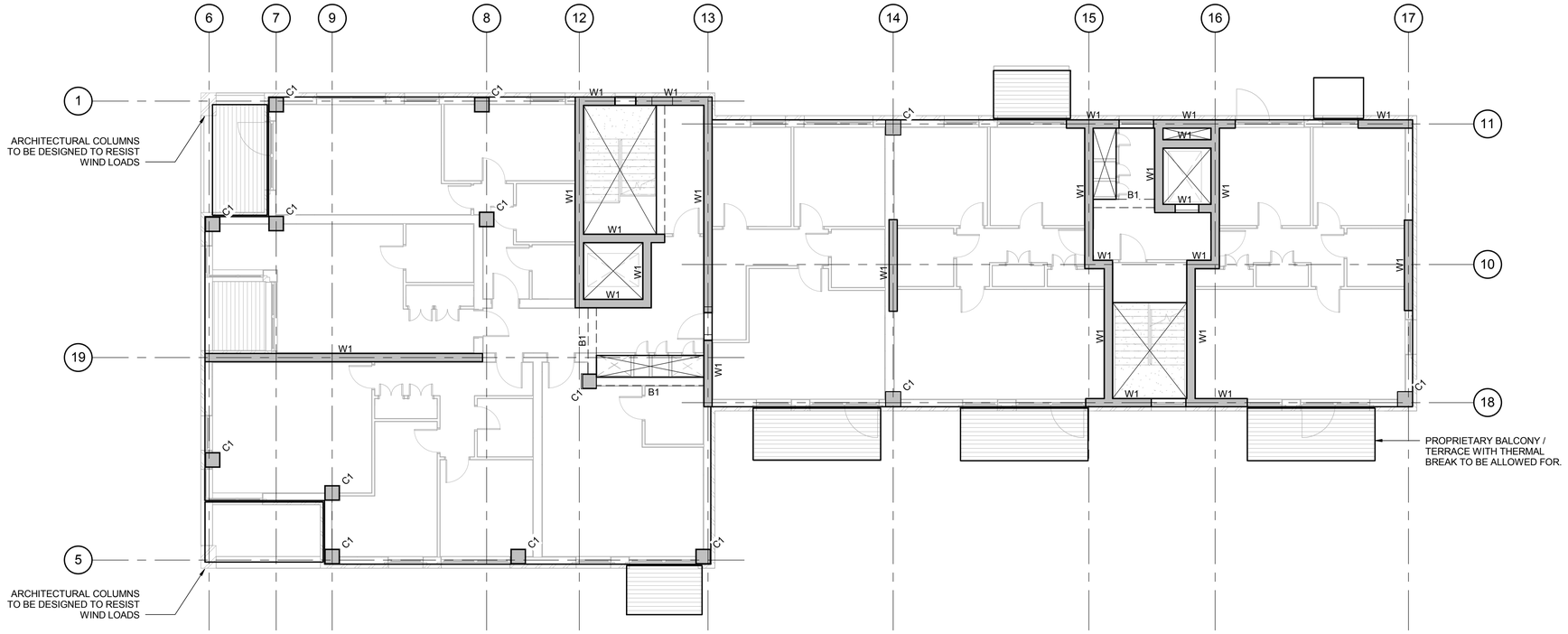
Drawing No.: 4435(D1)-S-001

Rev.: A



2ND FLOOR PLAN

SCALE 1 : 100



3RD FLOOR PLAN

SCALE 1 : 100

GENERAL NOTES

1. REFER TO DRAWING XXXX-F-000 FOR GENERAL NOTES

COLUMN SCHEDULE	
MARK	**MEMBER**
C1	550 x 550mm R.C. COLUMN
C2	500 x 500mm R.C. COLUMN
C3	450 x 450mm R.C. COLUMN
C4	STEEL COLUMN

MEMBER SCHEDULE	
MARK	**MEMBER**
B1	300 x 450 DEEP R.C. BEAM
B2	STEEL BEAM

WALL SCHEDULE	
Type Mark	**Type**
W1	300mm THICK R.C. WALL

ALL SLABS TO BE 275mm THICK U.N.O.

Rev	Date	Comment	By
A	??.??.12	DESCRIPTION	??

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers
London: 20 Britton Street, London, EC1M 5TX
tel: 020 7490 4353 fax: 020 7490 4354
e-mail: info@furnesspartnership.com
Bradford: The Paper Hall, Anne Gate, Bradford, BD1 4EQ
tel: 01274 392092
e-mail: mail@furnesspartnership.com

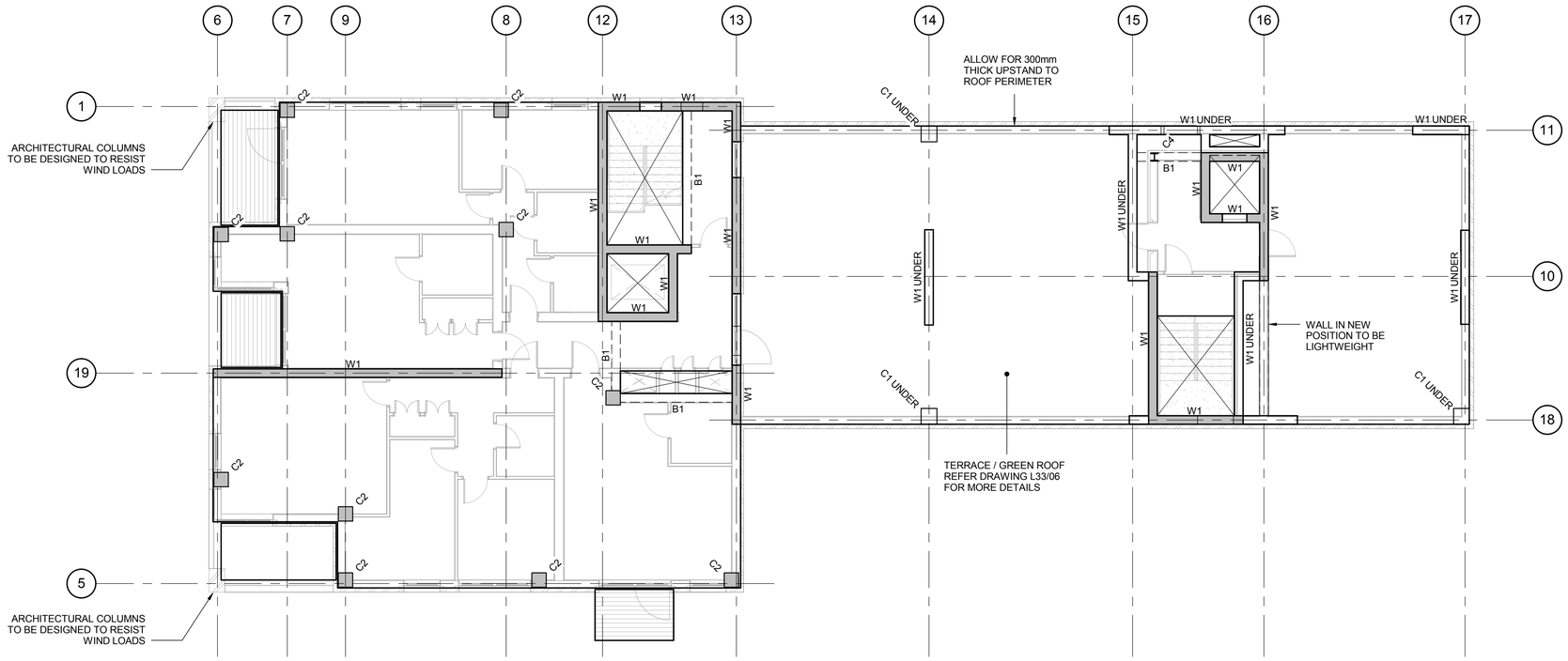
Project: CHOCOLATE FACTORY

Drawing Title: BLOCK D1
2ND AND 3RD FLOOR PLAN

Drawn	Date	Checked	Scale @ A1
A.R.	MAY '17	R.M.	1 : 100

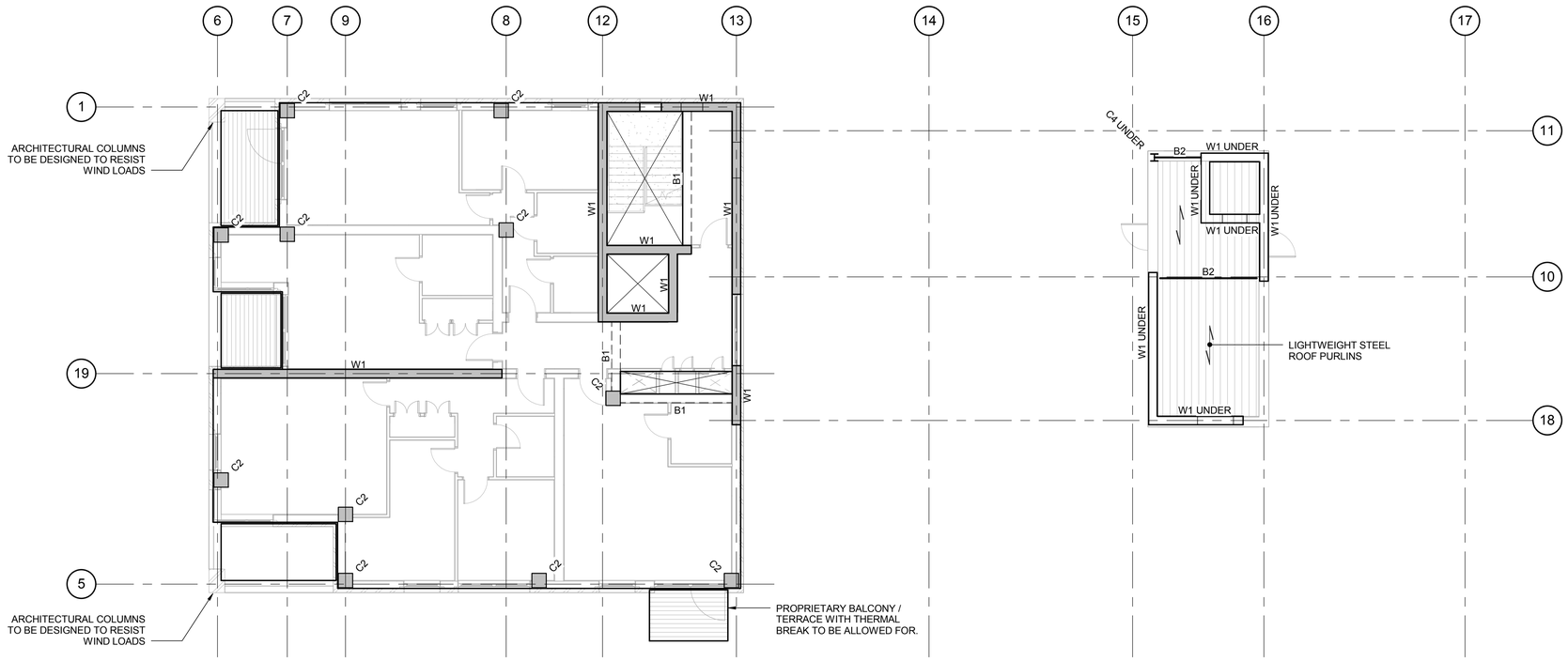
Drawing No.: 4435(D1)-S-002

Rev.: A



4TH FLOOR PLAN

SCALE 1 : 100



5TH FLOOR PLAN

SCALE 1 : 100

GENERAL NOTES

1. REFER TO DRAWING XXXX-F-000 FOR GENERAL NOTES

COLUMN SCHEDULE	
MARK	**MEMBER**
C1	550 x 550mm R.C. COLUMN
C2	500 x 500mm R.C. COLUMN
C3	450 x 450mm R.C. COLUMN
C4	STEEL COLUMN

MEMBER SCHEDULE	
MARK	**MEMBER**
B1	300 x 450 DEEP R.C. BEAM
B2	STEEL BEAM

WALL SCHEDULE	
Type Mark	**Type**
W1	300mm THICK R.C. WALL

ALL SLABS TO BE 275mm THICK U.N.O.

Rev	Date	Comment	By
A	??.??.12	DESCRIPTION	??

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers
London: 20 Britton Street, London, EC1M 5TX
tel: 020 7490 4353 fax: 020 7490 4354
e-mail: info@furnesspartnership.com
Bradford: The Paper Hall, Anne Gate, Bradford, BD1 4EQ
tel: 01274 392092
e-mail: mail@furnesspartnership.com

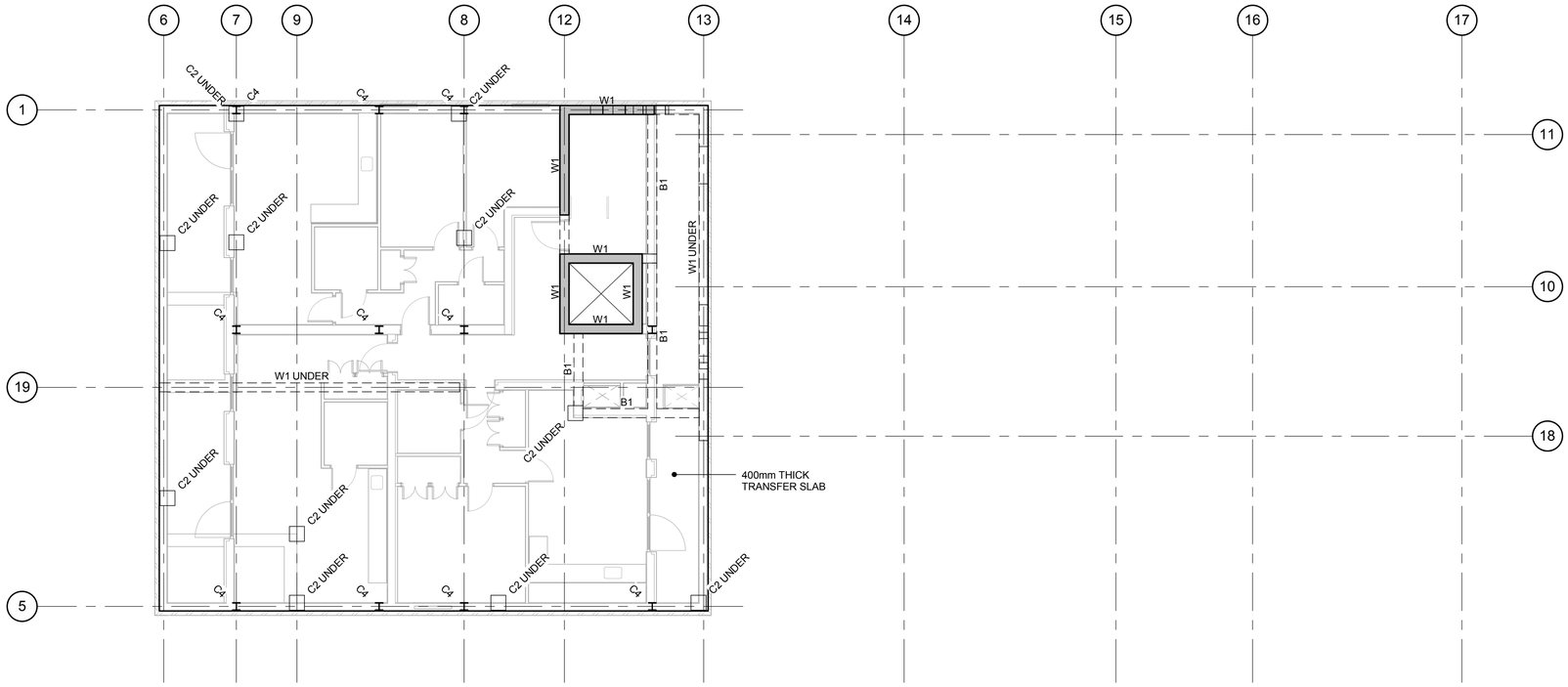
Project: CHOCOLATE FACTORY

Drawing Title: BLOCK D1
4TH AND 5TH FLOOR

Drawn	Date	Checked	Scale @ A1
A.R.	MAY '17	R.M.	1 : 100

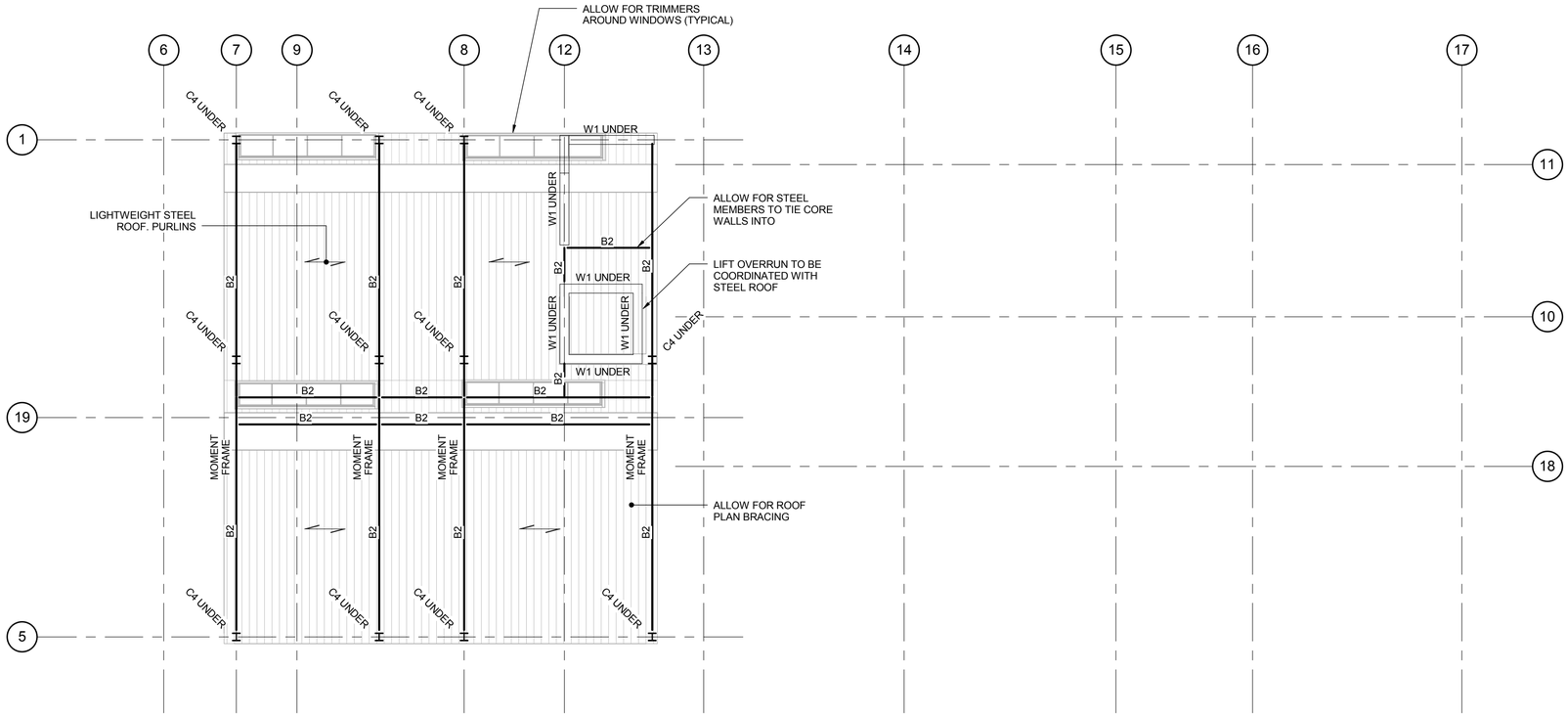
Drawing No.: 4435(D1)-S-003

Rev.: A



6TH FLOOR PLAN

SCALE 1 : 100



ROOF PLAN

SCALE 1 : 100

ROOF TOP EXTENSION TO BE FORMED USING STEEL FRAME INCLUDING VERTICAL BRACING AND ROOF BRACING. ROOF DETAILS TO BE AGREED WITH ARCHITECT.

GENERAL NOTES

1. REFER TO DRAWING XXXX-F-000 FOR GENERAL NOTES

COLUMN SCHEDULE	
MARK	**MEMBER**
C1	550 x 550mm R.C. COLUMN
C2	500 x 500mm R.C. COLUMN
C3	450 x 450mm R.C. COLUMN
C4	STEEL COLUMN

MEMBER SCHEDULE	
MARK	**MEMBER**
B1	300 x 450 DEEP R.C. BEAM
B2	STEEL BEAM

WALL SCHEDULE	
Type Mark	**Type**
W1	300mm THICK R.C. WALL

ALL SLABS TO BE 275mm THICK U.N.O.

Rev	Date	Comment	By
A	??.??.12	DESCRIPTION	??

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers
London: 20 Britton Street, London, EC1M 5TX
tel: 020 7490 4353 fax: 020 7490 4354
e-mail: info@furnesspartnership.com
Bradford: The Paper Hall, Anne Gate, Bradford, BD1 4EQ
tel: 01274 392092
e-mail: mail@furnesspartnership.com

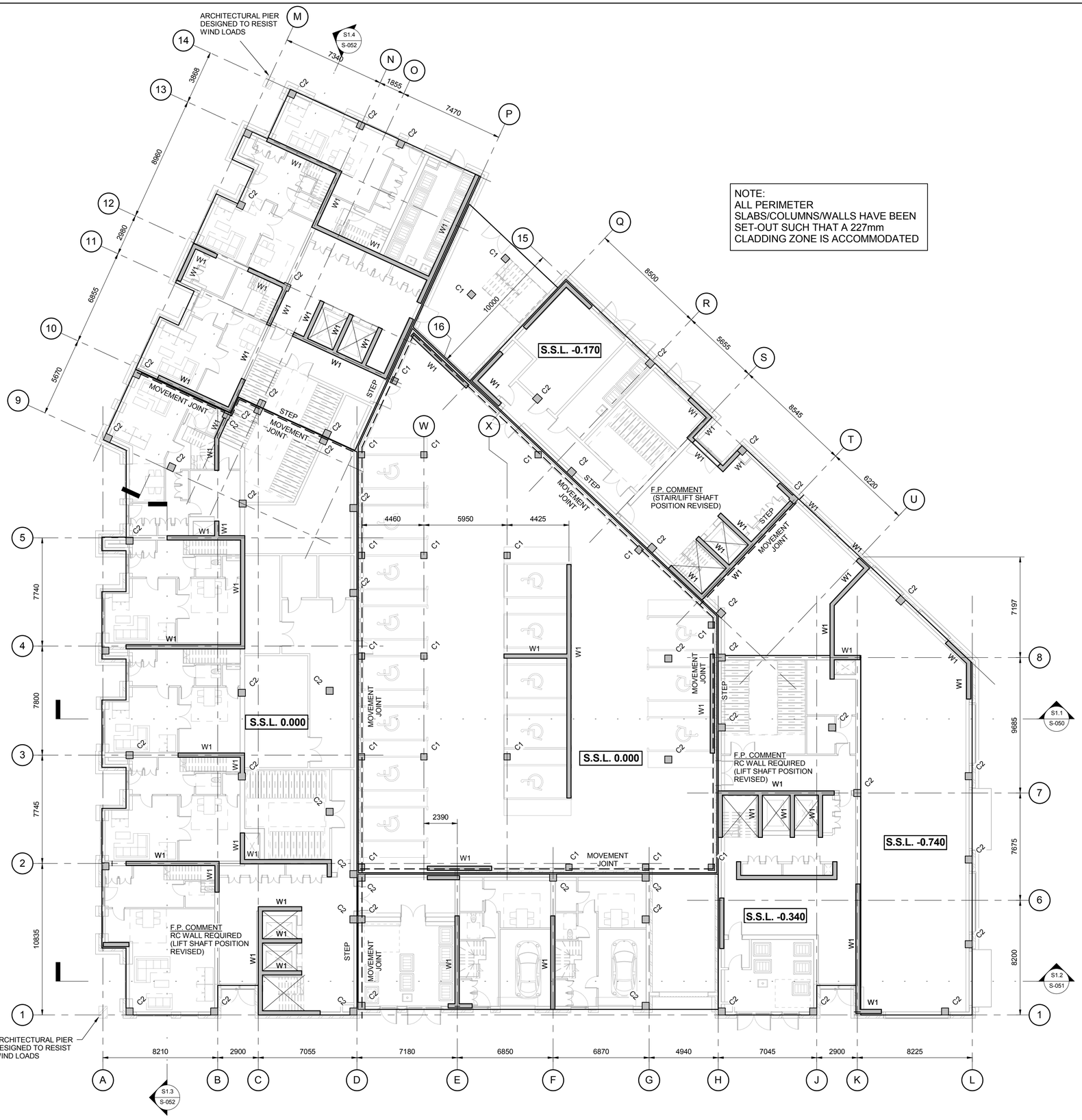
Project: CHOCOLATE FACTORY

Drawing Title: BLOCK D1
6TH FLOOR AND ROOF PLAN

Drawn	Date	Checked	Scale @ A1
A.R.	MAY '17	R.M.	1 : 100

Drawing No.: 4435(D1)-S-004

Rev.: A



GROUND FLOOR PLAN

SCALE1 : 150

GENERAL NOTES

1. REFER TO DRAWING 4435-S-000 FOR GENERAL NOTES

COLUMN SCHEDULE	
MARK	**MEMBER**
C1	450 x 450mm RC COLUMN
C2	500 x 500mm RC COLUMN

WALL SCHEDULE	
MARK	**TYPE**
W1	300mm THK RC WALL

SLAB SCHEDULE
TYPE
275 THICK RC SLAB

Rev	Date	Comment	By
P2	01.12.16	PRELIMINARY ISSUE	PD
P1	28.10.16	PERLIMINARY ISSUE	AR

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers
London 20 Britton Street, London, EC1M 5TX tel: 020 7490 4353 fax: 020 7490 4354 e-mail: info@furnesspartnership.com
Bradford The Paper Hall, Anne Gate, Bradford, BD1 4EQ tel: 01274 392092 e-mail: mail@furnesspartnership.com

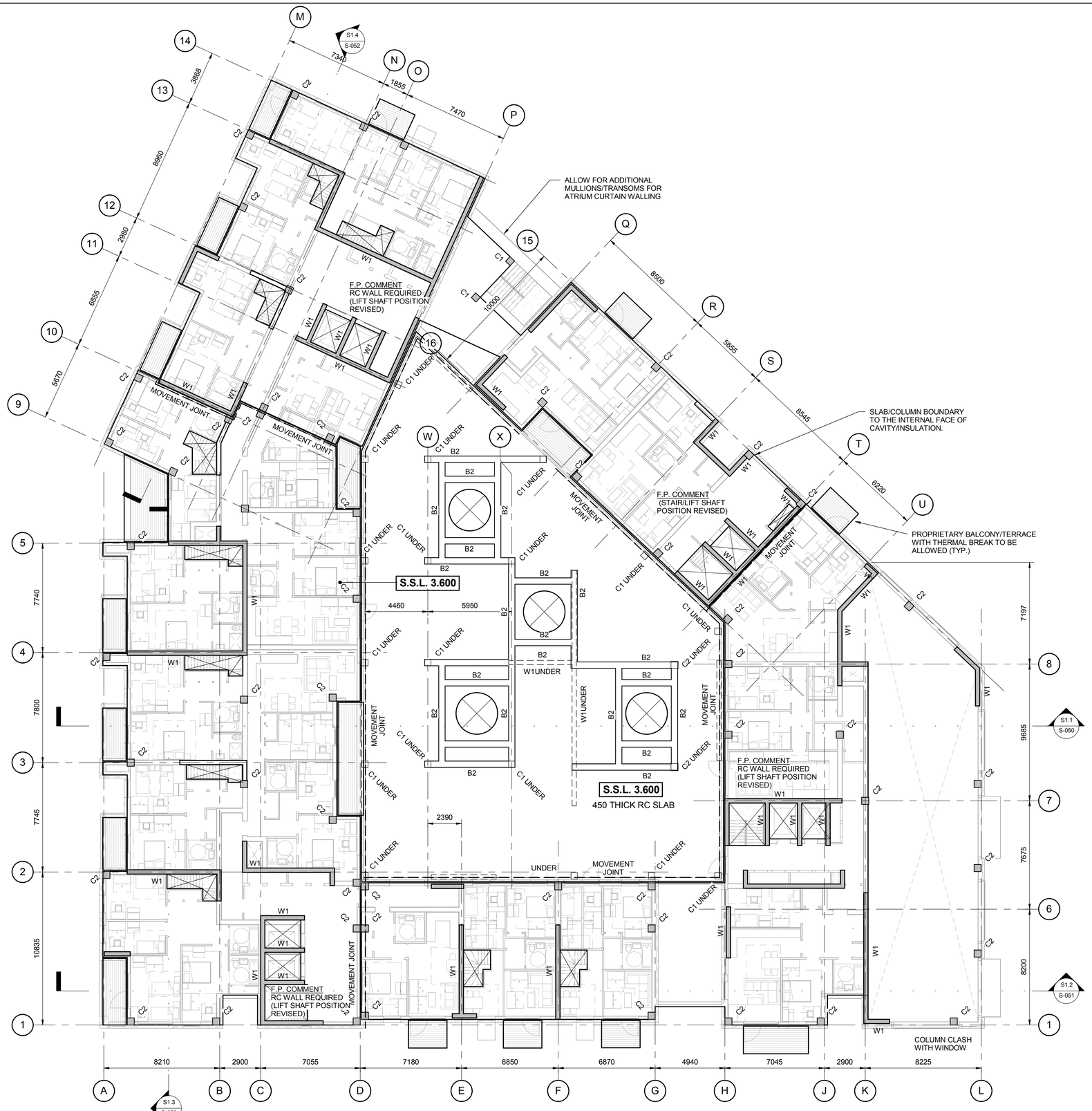
Project: CHOCOLATE FACTORY

Drawing Title: BLOCK E GROUND FLOOR

Drawn	Date	Checked	Scale @ A1
P.D.	SEP 2016	H.S.	1 : 150

Drawing No.: 4435(E)-S-010

Rev.: P2



1ST FLOOR PLAN

SCALE1 : 150

GENERAL NOTES

1. REFER TO DRAWING 4435-S-000 FOR GENERAL NOTES

COLUMN SCHEDULE	
MARK	**MEMBER**
C1	450 x 450mm RC COLUMN
C2	500 x 500mm RC COLUMN

WALL SCHEDULE	
MARK	**TYPE**
W1	300mm THK RC WALL

SLAB SCHEDULE
TYPE
275 THICK RC SLAB

(TYP. U.N.O.)

NOTE:
ALL PERIMETER SLABS/COLUMNS/WALLS HAVE BEEN SET-OUT SUCH THAT A 227mm CLADDING ZONE IS ACCOMMODATED

VENTS FOR CARPARK VOIDS POSITIONED TO SUIT STRUCTURAL LAYOUT. INCREASING THE NUMBER AND DECREASING THE SIZE OF THE VOIDS WOULD RESULT IN SMALLER UPSTAND BEAMS.

Rev	Date	Comment	By
P2	01.12.16	PRELIMINARY ISSUE	PD
P1	28.10.16	PERLIMINARY ISSUE	AR

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

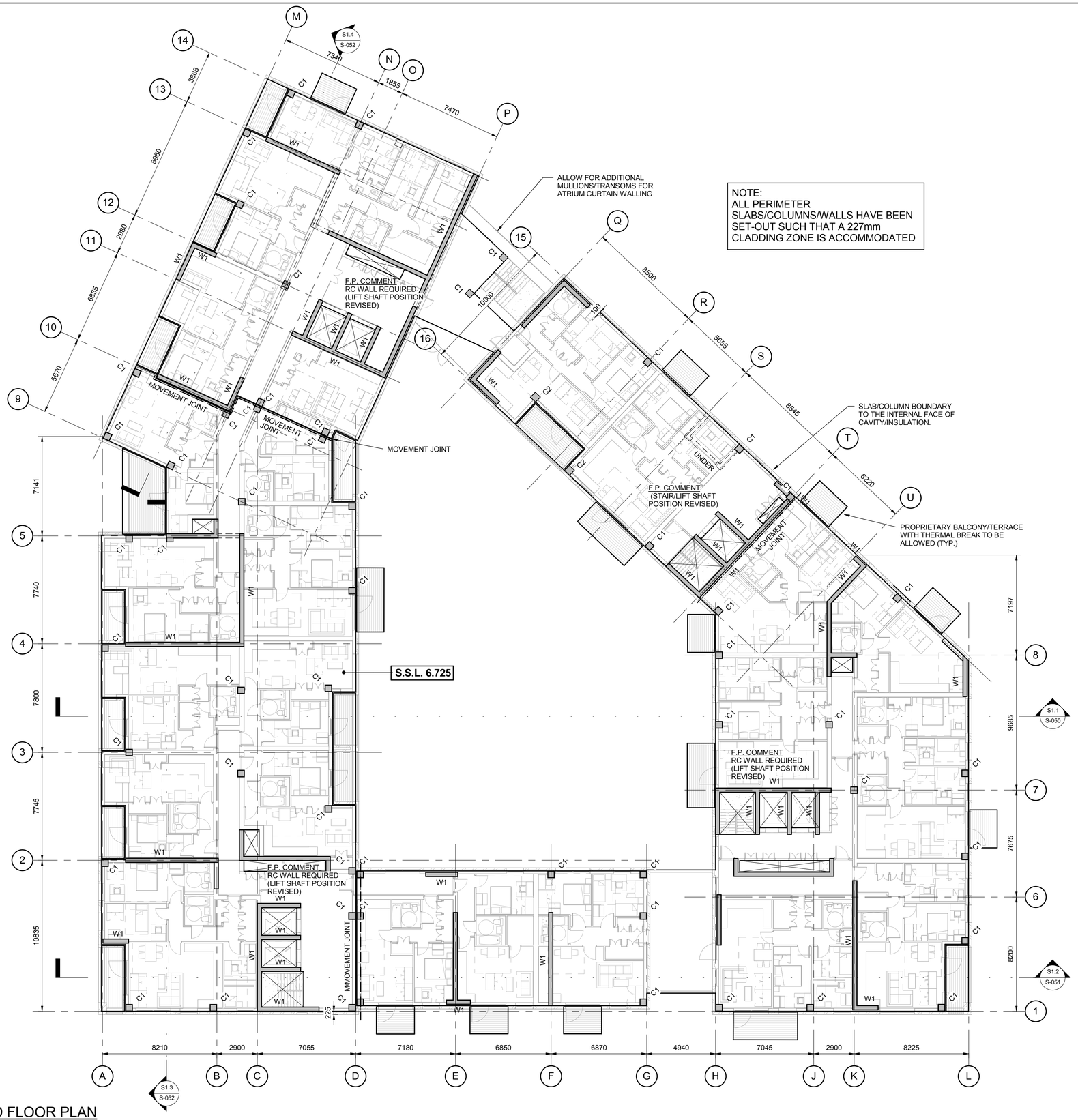
Furness Partnership
Consulting Structural/Civil Engineers
London 20 Britton Street, London, EC1M 5TX tel: 020 7490 4353 fax: 020 7490 4354 e-mail: info@furnesspartnership.com
Bradford The Paper Hall, Anne Gate, Bradford, BD1 4EQ tel: 01274 392092 e-mail: mail@furnesspartnership.com

Project: CHOCOLATE FACTORY

Drawing Title: BLOCK E 1ST FLOOR

Drawn	Date	Checked	Scale @ A1
P.D.	SEP 2016	H.S.	1 : 150

Drawing No.	Rev.
4435(E)-S-011	P2



2ND FLOOR PLAN

SCALE1 : 150

GENERAL NOTES

1. REFER TO DRAWING 4435-S-000 FOR GENERAL NOTES

COLUMN SCHEDULE	
MARK	**MEMBER**
C1	450 x 450mm RC COLUMN
C2	500 x 500mm RC COLUMN

WALL SCHEDULE	
MARK	**TYPE**
W1	300mm THK RC WALL

SLAB SCHEDULE
TYPE
275 THICK RC SLAB

Rev	Date	Comment	By
P2	01.12.16	PRELIMINARY ISSUE	PD
P1	28.10.16	PERLIMINARY ISSUE	AR

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers

London — 20 Britton Street, London, EC1M 5TX
tel: 020 7490 4353 fax: 020 7490 4354
e-mail: info@furnesspartnership.com

Bradford — The Paper Hall, Anne Gate, Bradford, BD1 4EQ
tel: 01274 392092
e-mail: mail@furnesspartnership.com

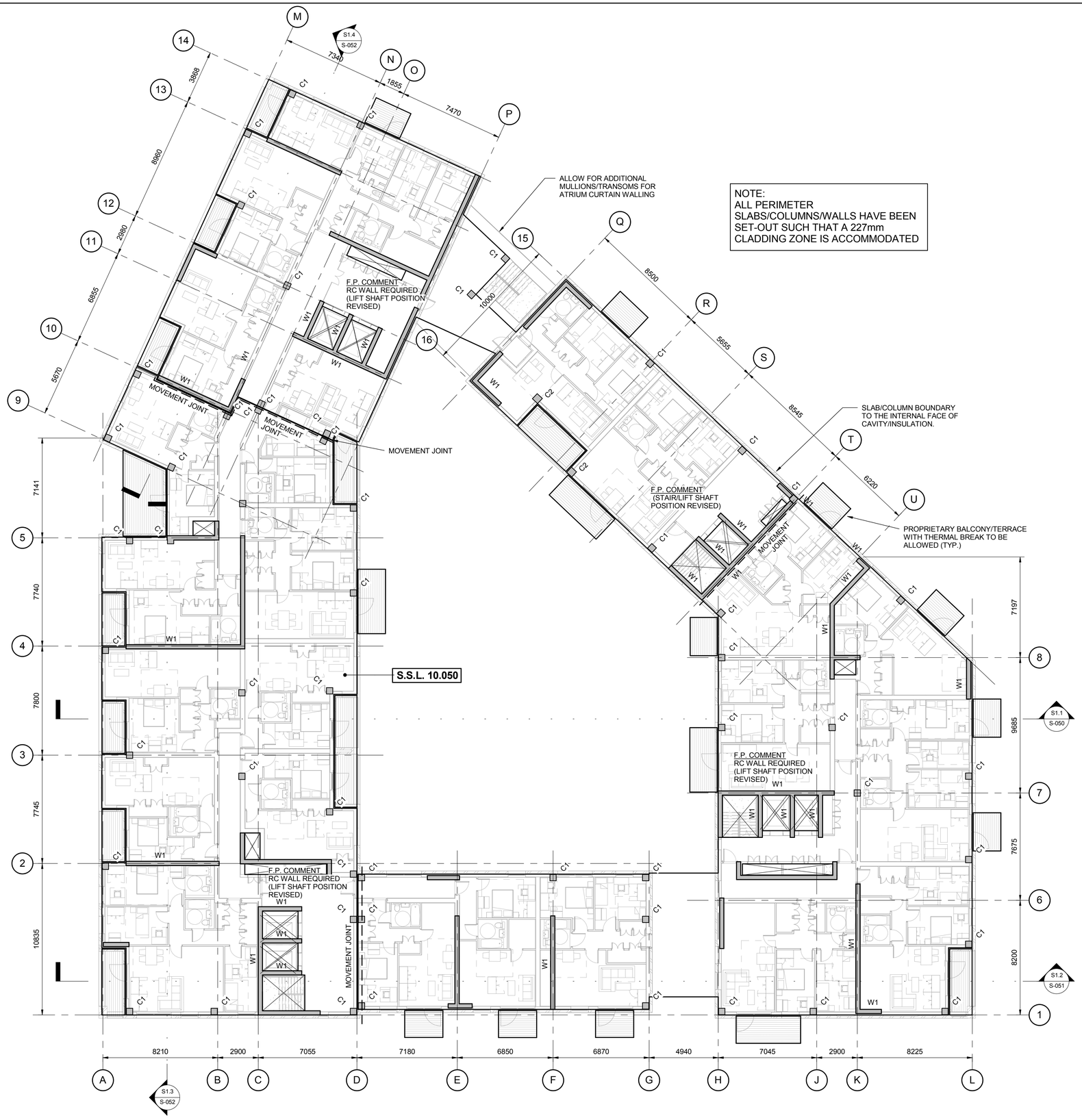
Project: CHOCOLATE FACTORY

Drawing Title: BLOCK E 2ND FLOOR

Drawn	Date	Checked	Scale @ A1
P.D.	OCT 2016	H.S.	1 : 150

Drawing No.: 4435(E)-S-012

Rev.: P2



3RD FLOOR PLAN

SCALE1 : 150

GENERAL NOTES

1. REFER TO DRAWING 4435-S-000 FOR GENERAL NOTES

COLUMN SCHEDULE	
MARK	**MEMBER**
C1	450 x 450mm RC COLUMN
C2	500 x 500mm RC COLUMN

WALL SCHEDULE	
MARK	**TYPE**
W1	300mm THK RC WALL

SLAB SCHEDULE
TYPE
275 THICK RC SLAB

Rev	Date	Comment	By
P2	01.12.16	PRELIMINARY ISSUE	PD
P1	28.10.16	PERLIMINARY ISSUE	AR

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers
London 20 Britton Street, London, EC1M 5TX tel: 020 7490 4353 fax: 020 7490 4354 e-mail: info@furnesspartnership.com
Bradford The Paper Hall, Anne Gate, Bradford, BD1 4EQ tel: 01274 392092 e-mail: mail@furnesspartnership.com

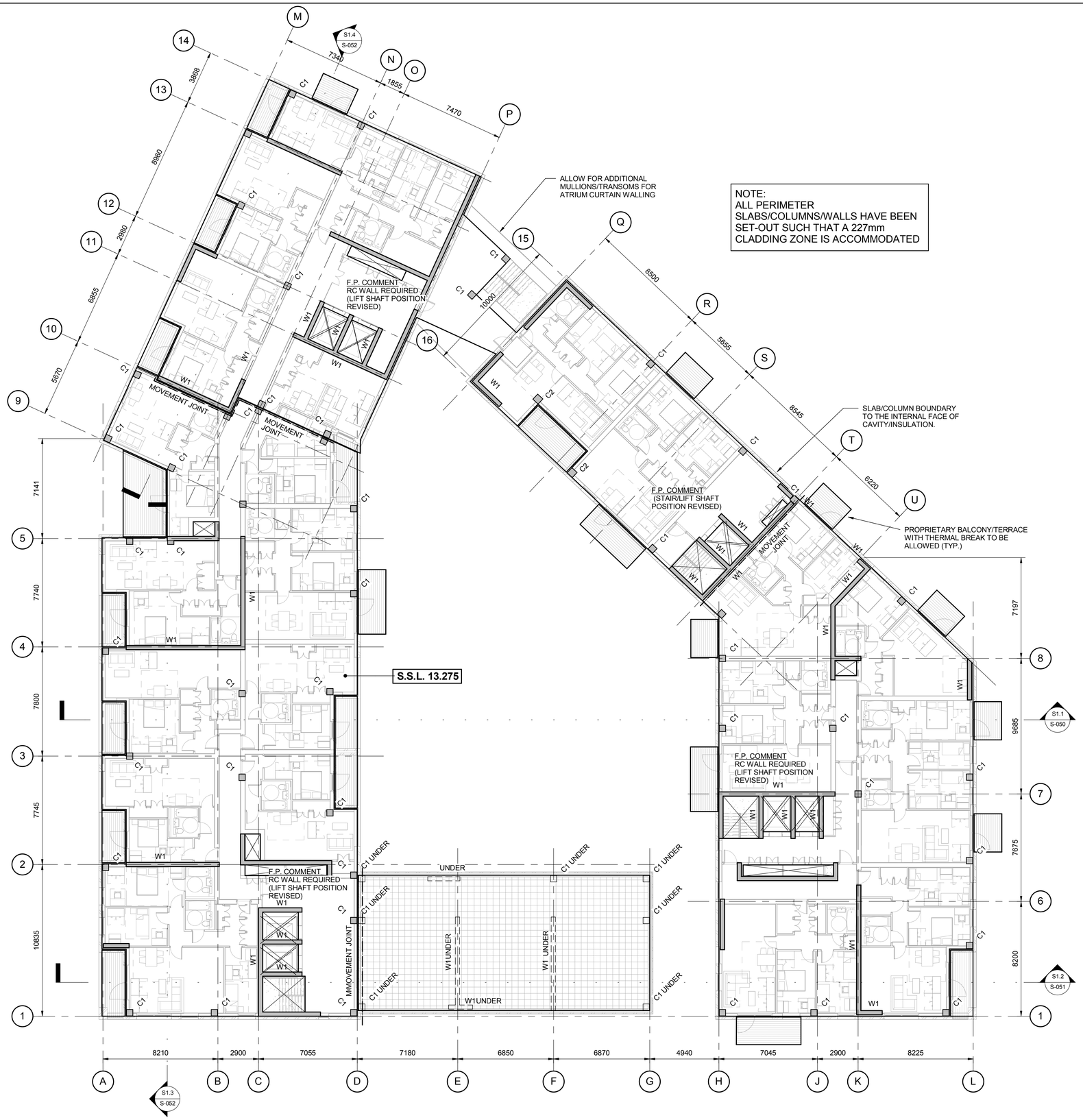
Project: CHOCOLATE FACTORY

Drawing Title: BLOCK E 3RD FLOOR

Drawn	Date	Checked	Scale @ A1
P.D.	OCT 2016	H.S.	1 : 150

Drawing No.: 4435(E)-S-013

Rev.: P2



4TH FLOOR
SCALE1 : 150

GENERAL NOTES

1. REFER TO DRAWING 4435-S-000 FOR GENERAL NOTES

COLUMN SCHEDULE	
MARK	**MEMBER**
C1	450 x 450mm RC COLUMN
C2	500 x 500mm RC COLUMN

WALL SCHEDULE	
MARK	**TYPE**
W1	300mm THK RC WALL

SLAB SCHEDULE
TYPE
275 THICK RC SLAB

Rev	Date	Comment	By
P2	01.12.16	PRELIMINARY ISSUE	PD
P1	28.10.16	PERLIMINARY ISSUE	AR

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers
London 20 Britton Street, London, EC1M 5TX tel: 020 7490 4353 fax: 020 7490 4354 e-mail: info@furnesspartnership.com
Bradford The Paper Hall, Anne Gate, Bradford, BD1 4EQ tel: 01274 392092 e-mail: mail@furnesspartnership.com

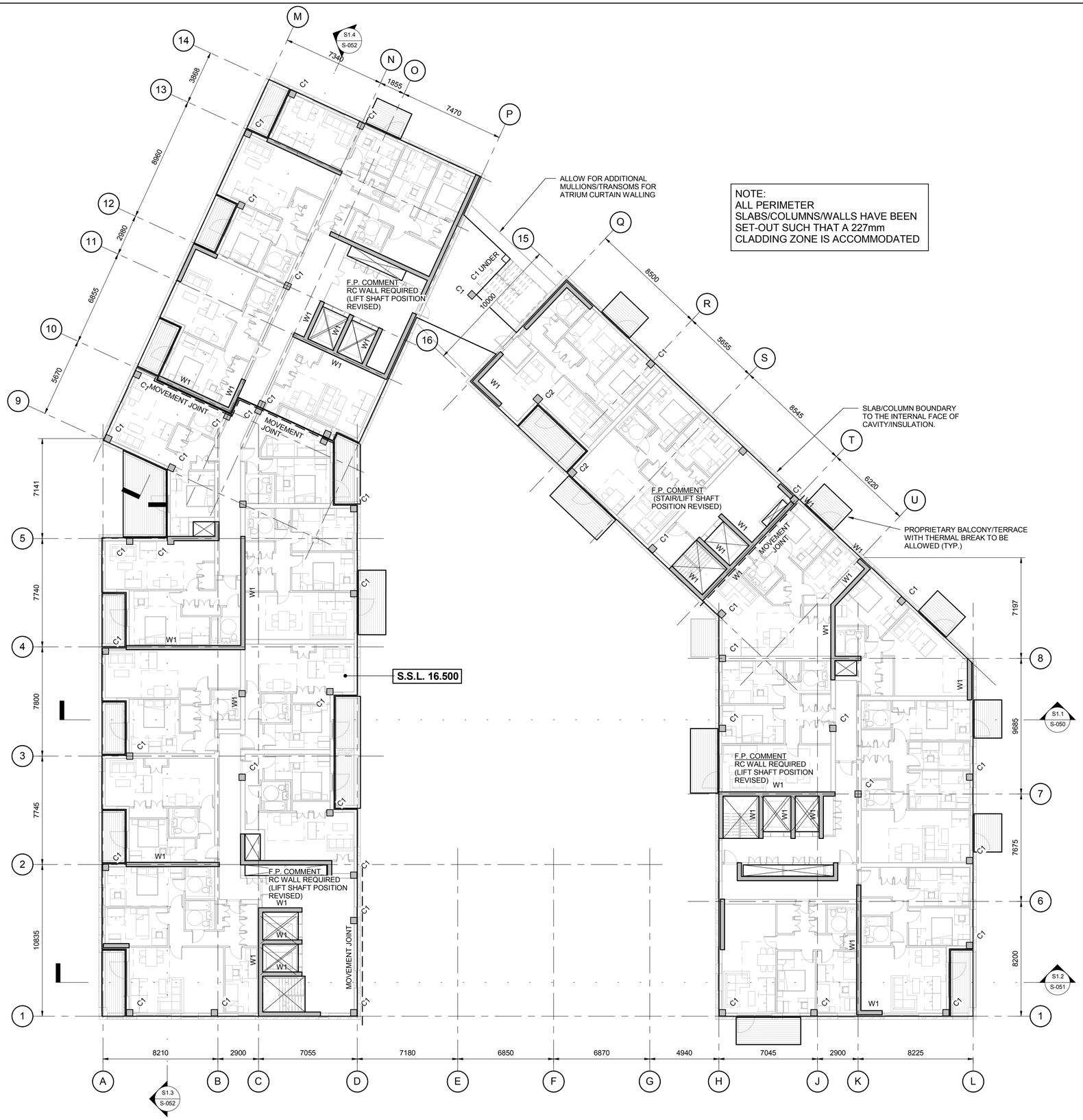
Project: CHOCOLATE FACTORY

Drawing Title: BLOCK E 4TH FLOOR

Drawn	Date	Checked	Scale @ A1
P.D.	OCT 2016	H.S.	1 : 150

Drawing No.: 4435(E)-S-014

Rev.: P2



NOTE:
ALL PERIMETER SLABS/COLUMNS/WALLS HAVE BEEN SET-OUT SUCH THAT A 227mm CLADDING ZONE IS ACCOMMODATED

GENERAL NOTES

1. REFER TO DRAWING 4435-S-000 FOR GENERAL NOTES

COLUMN SCHEDULE	
MARK	**MEMBER**
C1	450 x 450mm RC COLUMN
C2	500 x 500mm RC COLUMN

WALL SCHEDULE	
MARK	**TYPE**
W1	300mm THK RC WALL

SLAB SCHEDULE
TYPE
275 THICK RC SLAB

5TH FLOOR

SCALE1 : 150

Rev	Date	Comment	By
P2	01.12.16	PRELIMINARY ISSUE	PD
P1	28.10.16	PERLIMINARY ISSUE	AR

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers

London: 20 Britton Street, London, EC1M 5TX
tel: 020 7490 4353 fax: 020 7490 4354
e-mail: info@furnesspartnership.com

Bradford: The Paper Hall, Anne Gate, Bradford, BD1 4EQ
tel: 01274 392092
e-mail: mail@furnesspartnership.com

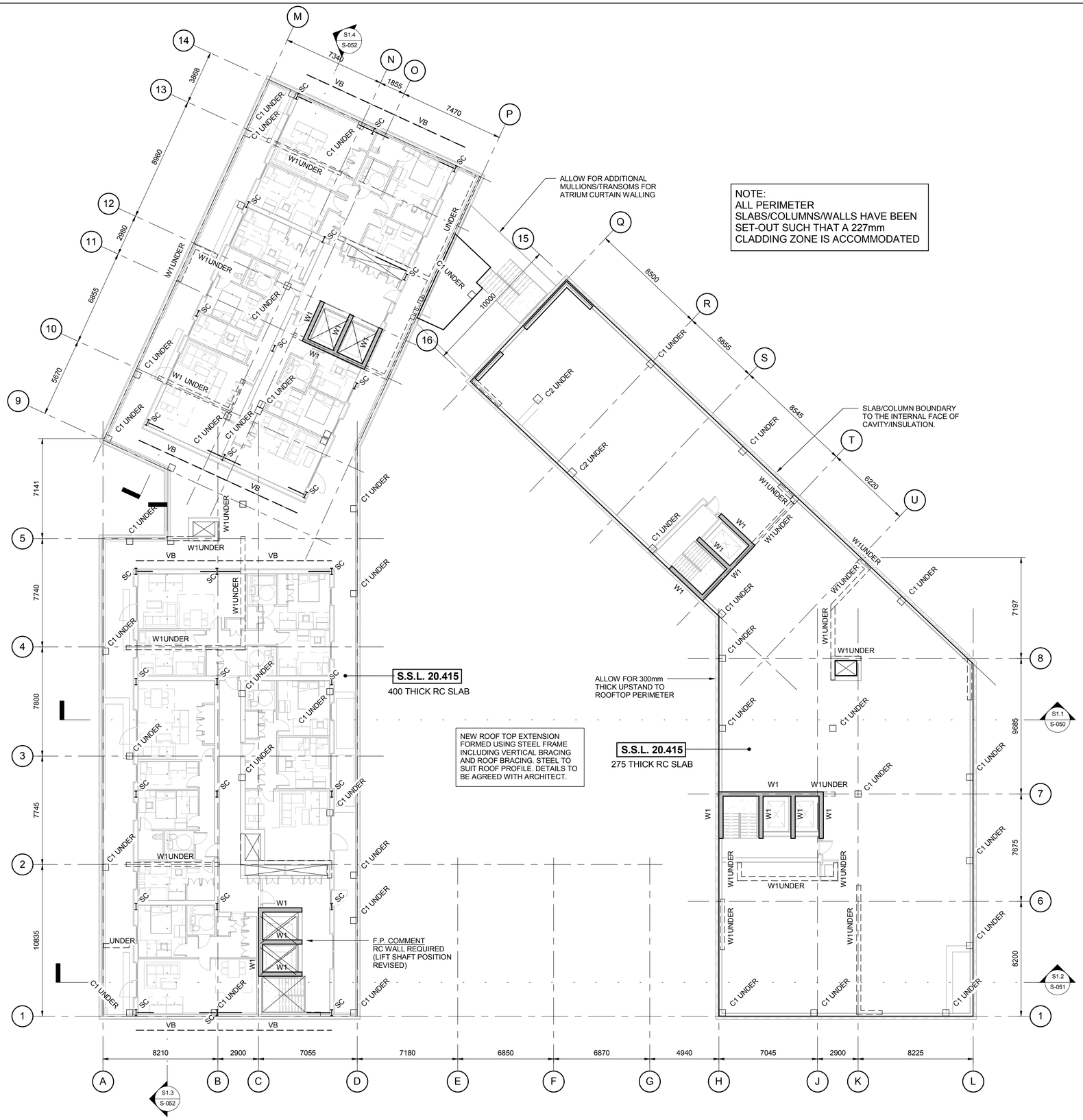
Project: CHOCOLATE FACTORY

Drawing Title: BLOCK E 5TH FLOOR

Drawn	Date	Checked	Scale @ A1
P.D.	OCT 2016	H.S.	1 : 150

Drawing No.: 4435(E)-S-015

Rev.: P2



6TH FLOOR

SCALE1 : 150

GENERAL NOTES

1. REFER TO DRAWING 4435-S-000 FOR GENERAL NOTES

COLUMN SCHEDULE	
MARK	**MEMBER**
C1	450 x 450mm RC COLUMN
C2	500 x 500mm RC COLUMN

WALL SCHEDULE	
MARK	**TYPE**
W1	300mm THK RC WALL

STEEL COLUMN SCHEDULE	
MARK	**MEMBER**
SC	STEEL COLUMN

Rev	Date	Comment	By
P2	01.12.16	PRELIMINARY ISSUE	PD
P1	28.10.16	PERLIMINARY ISSUE	AR

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers
London 20 Britton Street, London, EC1M 5TX tel: 020 7490 4353 fax: 020 7490 4354 e-mail: info@furnesspartnership.com
Bradford The Paper Hall, Anne Gate, Bradford, BD1 4EQ tel: 01274 392092 e-mail: mail@furnesspartnership.com

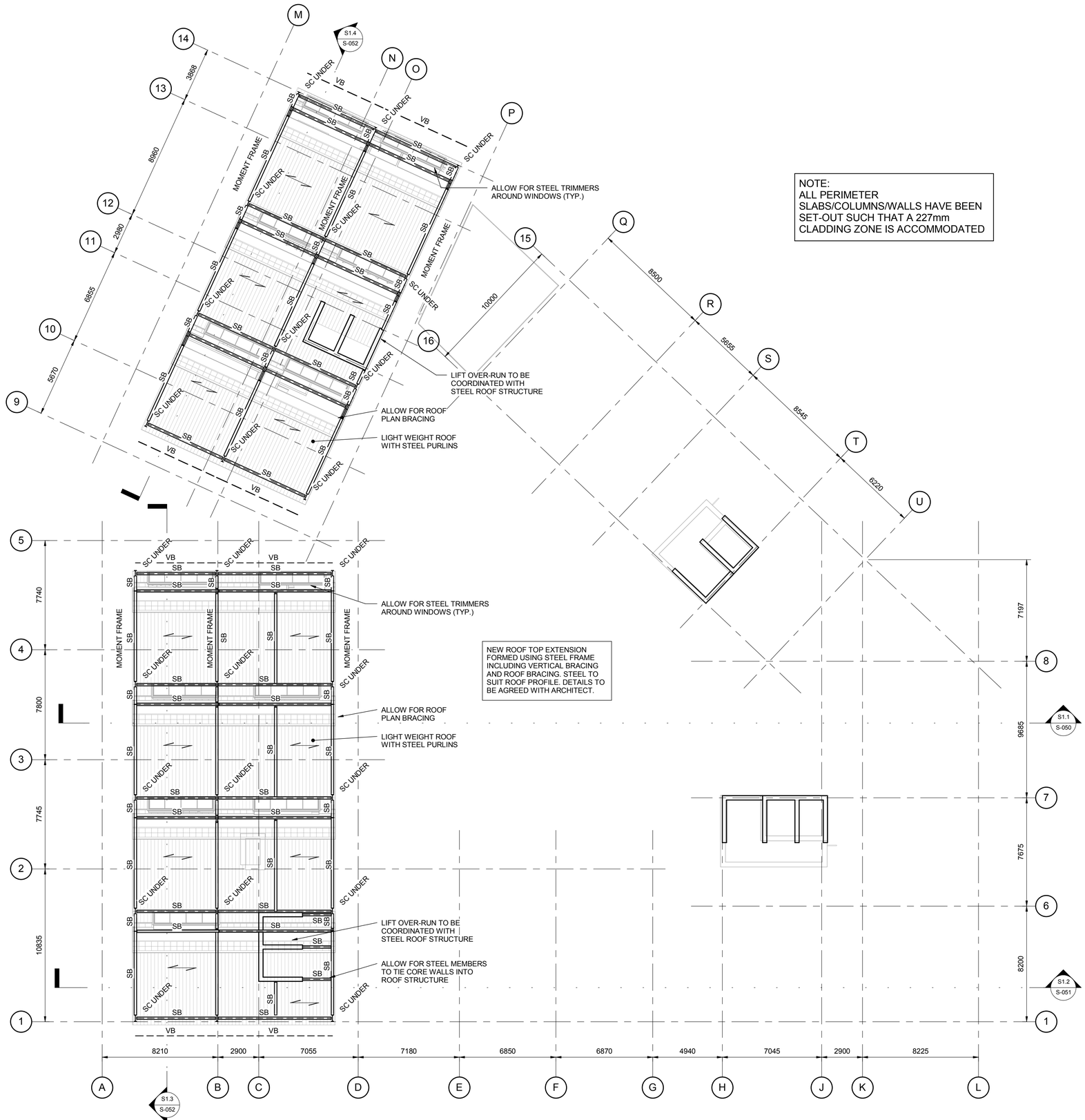
Project: CHOCOLATE FACTORY

Drawing Title: BLOCK E 6TH FLOOR

Drawn	Date	Checked	Scale @ A1
P.D.	OCT 2016	H.S.	1 : 150

Drawing No.: 4435(E)-S-016

Rev.: P2



ROOF PLAN
SCALE1 : 150

GENERAL NOTES

1. REFER TO DRAWING 4435-S-000 FOR GENERAL NOTES

COLUMN SCHEDULE	
MARK	**MEMBER**
C1	450 x 450mm RC COLUMN
C2	500 x 500mm RC COLUMN

WALL SCHEDULE	
MARK	**TYPE**
W1	300mm THK RC WALL

STEEL COLUMN SCHEDULE	
MARK	**MEMBER**
SC	STEEL COLUMN

STEEL BEAM SCHEDULE	
MARK	**MEMBER**
SB	STEEL BEAM

Rev	Date	Comment	By
P2	01.12.16	PRELIMINARY ISSUE	PD
P1	28.10.16	PERLIMINARY ISSUE	AR

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers

London: 20 Britton Street, London, EC1M 5TX
tel: 020 7490 4353 fax: 020 7490 4354
e-mail: info@furnesspartnership.com

Bradford: The Paper Hall, Anne Gate, Bradford, BD1 4EQ
tel: 01274 392092
e-mail: mail@furnesspartnership.com

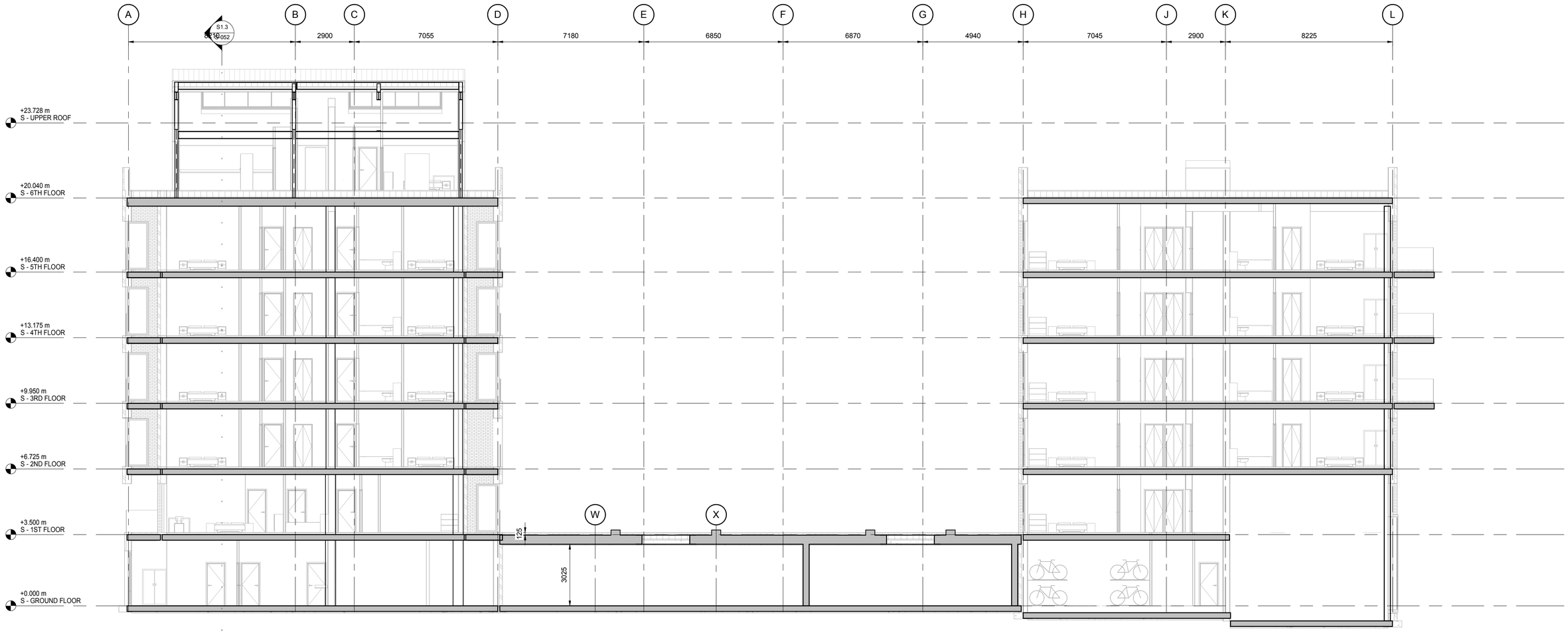
Project: CHOCOLATE FACTORY

Drawing Title: BLOCK E ROOF PLAN

Drawn	Date	Checked	Scale @ A1
P.D.	OCT 2016	H.S.	1 : 150

Drawing No.: 4435(E)-S-017

Rev.: P2



SECTION S1.1
SCALE 1 : 100 S-010

Rev	Date	Comment	By
P1	01.12.16	PRELIMINARY ISSUE	PD

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers

London 20 Britton Street, London, EC1M 5TX
tel: 020 7490 4353 fax: 020 7490 4354
e-mail: info@furnesspartnership.com

Bradford The Paper Hall, Anne Gate, Bradford, BD1 4EQ
tel: 01274 392092
e-mail: mail@furnesspartnership.com

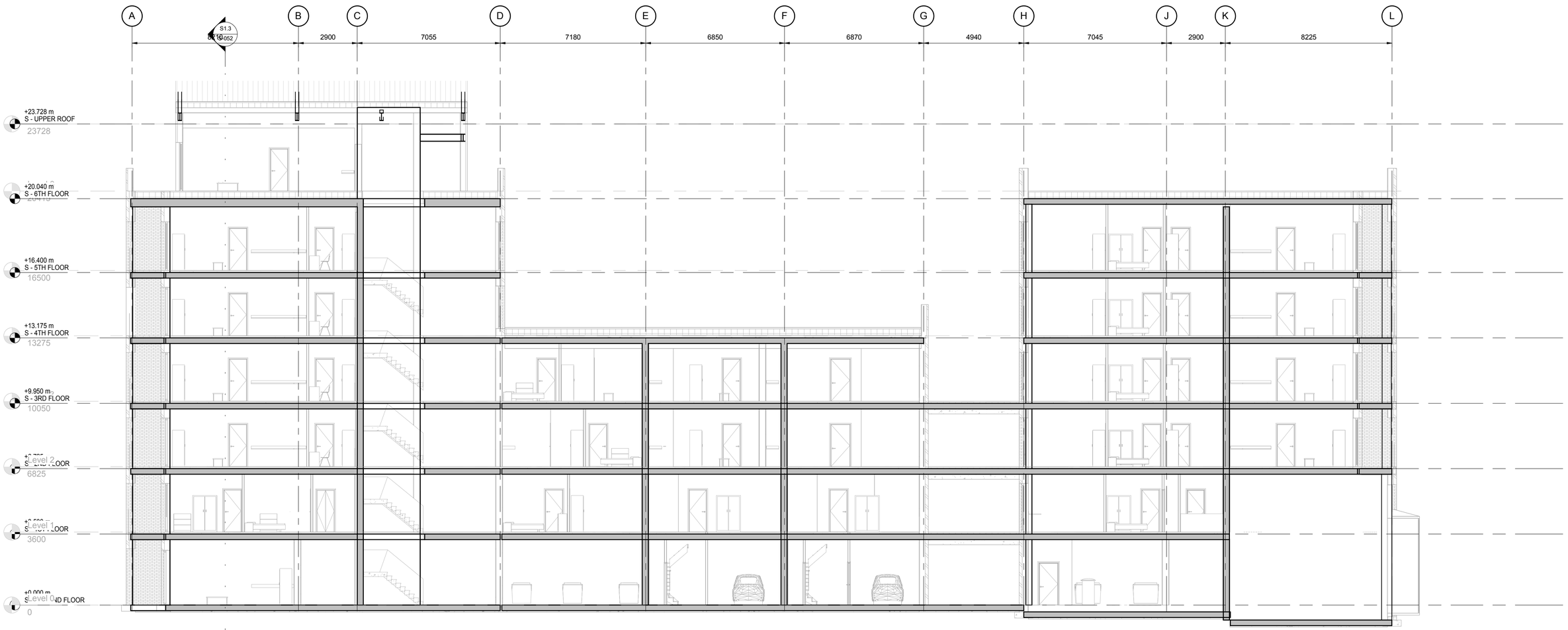
Project
CHOCOLATE FACTORY

Drawing Title
BLOCK E
SECTIONS - SHEET 1

Drawn	Date	Checked	Scale @ A1
P.D.		R.M.	1 : 100

Drawing No. 4435(E)-S-050

Rev. P1



SECTION S1.2
SCALE 1 : 100 S-010

Rev	Date	Comment	By
P1	01.12.16	PRELIMINARY ISSUE	PD

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers

London: 20 Britton Street, London, EC1M 5TX
tel: 020 7490 4353 fax: 020 7490 4354
e-mail: info@furnesspartnership.com

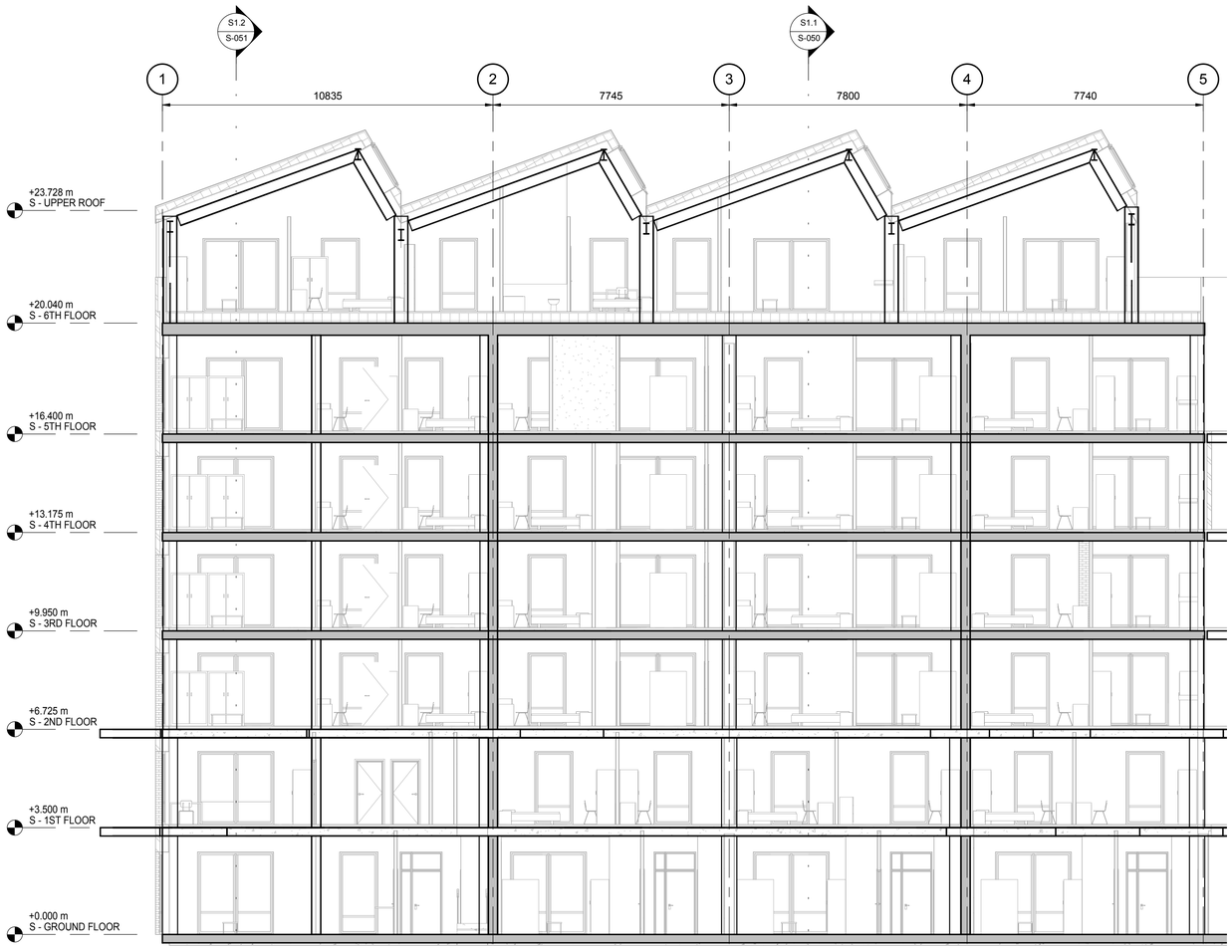
Bradford: The Paper Hall, Anne Gate, Bradford, BD1 4EQ
tel: 01274 392092
e-mail: mail@furnesspartnership.com

Project
CHOCOLATE FACTORY

Drawing Title
BLOCK E
SECTIONS - SHEET 2

Drawn	Date	Checked	Scale @ A1
P.D.		R.M.	1 : 100

Drawing No.: 4435(E)-S-051
Rev.: P1



SECTION S1.3 / S-010
SCALE 1 : 100



SECTION S1.4 / S-010
SCALE 1 : 100

Rev	Date	Comment	By
P1	01.12.16	PRELIMINARY ISSUE	PD

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers
London 20 Britton Street, London, EC1M 5TX
tel: 020 7490 4353 fax: 020 7490 4354
e-mail: info@furnesspartnership.com
Bradford The Paper Hall, Arrow Gate, Bradford, BD1 4EQ
tel: 01274 392092
e-mail: mail@furnesspartnership.com

Project: CHOCOLATE FACTORY

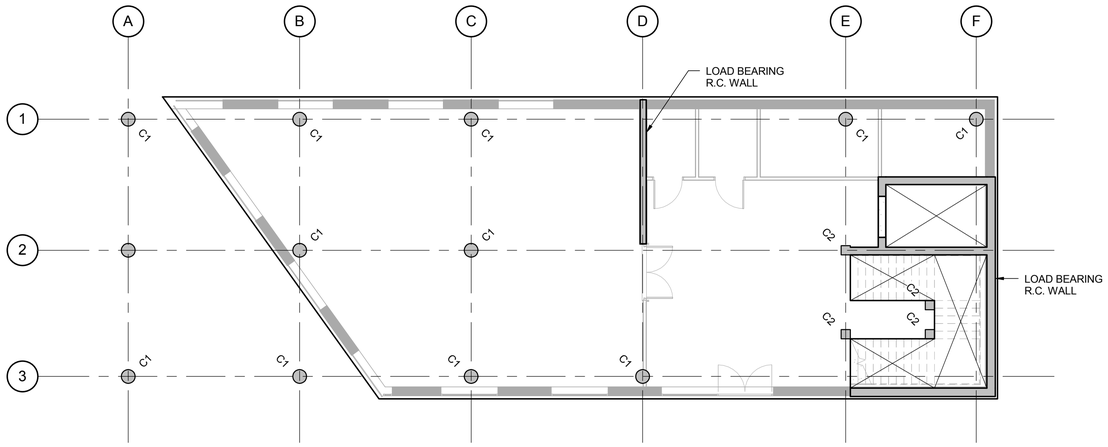
Drawing Title: BLOCK E
SECTIONS - SHEET 3

Drawn	Date	Checked	Scale @ A1
P.D.	NOV 2016	R.M.	1 : 100

Drawing No.: 4435(E)-S-052
Rev.: P1

GENERAL NOTES

1. REFER TO DRAWING XXXX-F-000 FOR GENERAL NOTES

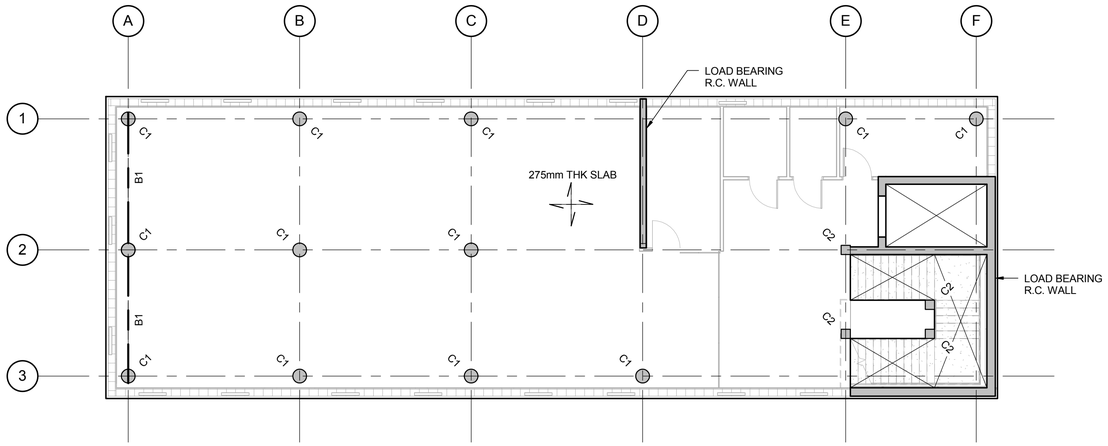


GROUND FLOOR PLAN

SCALE 1 : 100

MEMBER SCHEDULE	
MARK	**MEMBER**
B1	RC BEAM

COLUMN SCHEDULE	
MARK	**MEMBER**
C2	SQUARE R.C. COLUMN
C1	Ø450 CIRCURAL R.C. COLUMN



FIRST FLOOR PLAN

SCALE 1 : 100

Rev	Date	Comment	By
P2	xx.05.17	GENERAL AMENDMENTS	A.R.
P1	19.10.16	PRELIMINARY ISSUE	A.R.

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers

London: 20 Britton Street, London, EC1M 5TX
tel: 020 7490 4353 fax: 020 7490 4354
e-mail: info@furnesspartnership.com

Bradford: The Paper Hall, Anne Gate, Bradford, BD1 4EQ
tel: 01274 392092
e-mail: mail@furnesspartnership.com

Project: CHOCOLATE FACTORY

Drawing Title: BLOCK F
GROUND AND FIRST FLOOR PLAN

Drawn	Date	Checked	Scale @ A1
A.R.	**OCT '16**	**R.M.**	**1 : 100**

Drawing No.: 4435(F)-S-001

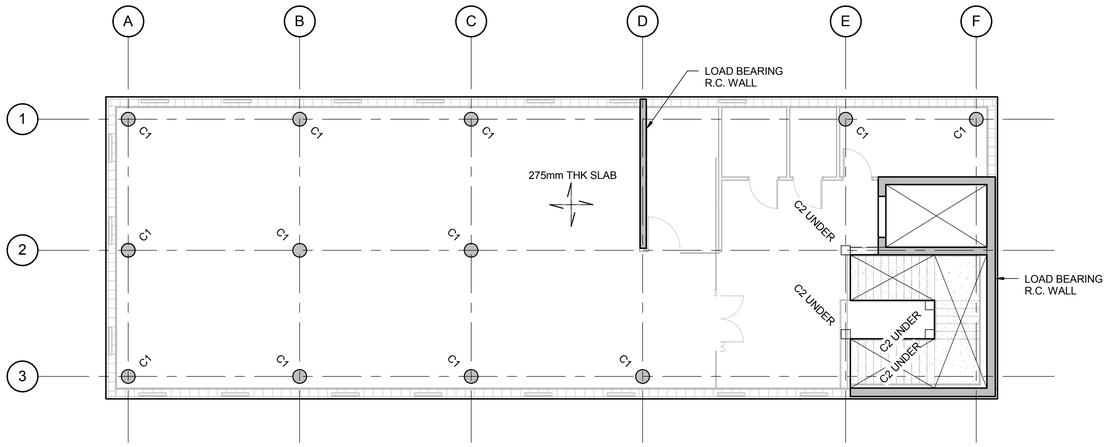
Rev.: P2 #

08/06/2017 10:09:54

WORK IN PROGRESS

GENERAL NOTES

1. REFER TO DRAWING XXXX-F-000 FOR GENERAL NOTES

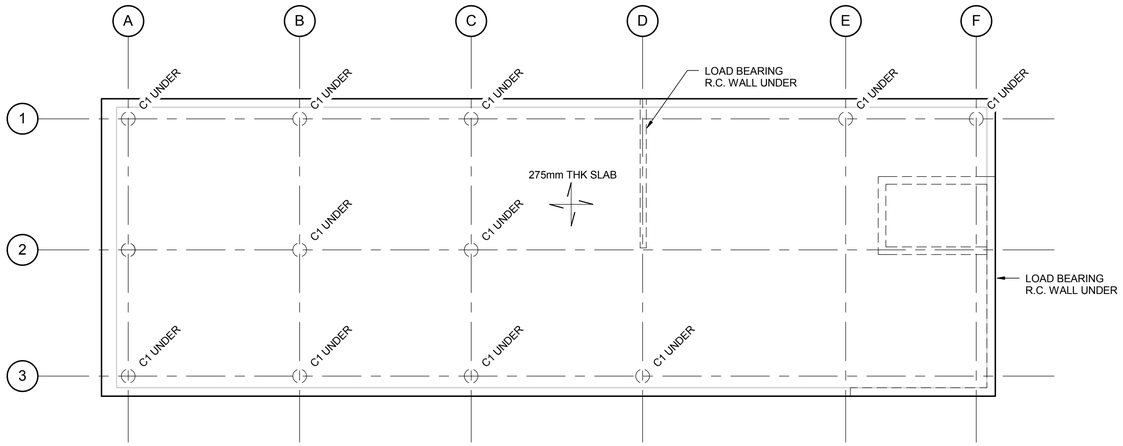


SECOND FLOOR PLAN

SCALE 1 : 100

MEMBER SCHEDULE	
MARK	**MEMBER**
B1	RC BEAM

COLUMN SCHEDULE	
MARK	**MEMBER**
C2	SQUARE R.C. COLUMN
C1	Ø450 CIRCURAL R.C. COLUMN



ROOF LEVEL PLAN

SCALE 1 : 100

08/06/2017 10:09:55

WORK IN PROGRESS

Rev	Date	Comment	By
P2	xx.05.17	GENERAL AMENDMENTS	A.R.
P1	19.10.16	PRELIMINARY ISSUE	A.R.

Drawing Status: PRELIMINARY

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

Furness Partnership
Consulting Structural/Civil Engineers

London: 20 Britton Street, London, EC1M 5TX
tel: 020 7490 4353 fax: 020 7490 4354
e-mail: info@furnesspartnership.com

Bradford: The Paper Hall, Anne Gate, Bradford, BD1 4EQ
tel: 01274 392092
e-mail: mail@furnesspartnership.com

Project: CHOCOLATE FACTORY

Drawing Title: BLOCK F
SECOND FLOOR AND ROOF LEVEL PLAN

Drawn	Date	Checked	Scale @ A1
A.R.	**OCT '16**	**R.M.**	**1 : 100**

Drawing No.: 4435(F)-S-002

Rev.: P2 #