



Preliminary Environmental Risk Assessment

Woodbury Transformation, Bury College

May 2023

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Contents

Executive Summary

1. Introduction	1
1.1 Objectives	1
1.2 Planning Context.....	1
1.3 Proposed Development	1
1.4 Limitations and Constraints.....	1
2. Methodology	3
3. Hazard Identification	4
3.1 Site Description and Reconnaissance	4
3.1.1 Site Surroundings.....	5
3.1.2 Environmental Permits	5
4. Previous Environmental Assessments and Consultations	6
4.1 Previous Environmental Assessments.....	6
4.2 Consultations	6
4.2.1 Environmental Health.....	6
4.2.2 Planning History	7
4.2.3 Building Control Department.....	7
5. Environmental Site Setting.....	8
5.1 History	8
5.2 Unexploded Ordnance	10
5.3 Geology.....	10
5.3.1 Ground Stability.....	10
5.4 Radon.....	11
5.5 Ground Gas.....	11
5.5.1 Landfills	11
5.5.2 Made Ground	11
5.5.3 Infilled Land.....	12
5.5.4 Building Control Consultation.....	12
5.5.5 Ground Gas Risk Summary	12
5.6 Vapour.....	12
5.7 Controlled Waters	12
5.7.1 Surface Waters	12
5.7.2 Groundwater	13
5.7.3 Flood Risk	13
6. Hazard Assessment and Preliminary Conceptual Model	15
6.1 Contaminants of Concern	15
7. Conclusions	18

Contents

8. Recommendations	19
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Tables

Table 1: Summary of Surrounding Land Uses.....	5
Table 2: Pertinent Site History	8
Table 3: Site Geology	10
Table 4: Geological hazard risk to the Site	10
Table 5: Summary of Hydrogeological Properties of the Main Geological Strata.....	13
Table 6: Contaminants of Concern	15
Table 7: Outline Conceptual Site Model	16

Appendices

- A. Site Plans
- B. Site Photographs
- C. Ground Gas Risk Assessment
- D. Consultation Information
- E. Regulatory Context
- F. Risk Rating Matrix
- G. Environmental Receptors

Executive Summary

Objectives

Waterman Structures Limited on behalf of Bury College instructed Waterman Infrastructure & Environment Limited ("Waterman") to undertake a Preliminary Environmental Risk Assessment for potential ground contamination for the proposed Woodbury Transformation, Bury College. This Preliminary Environmental Risk Assessment will support a planning application for the redevelopment of the Site.

It should be noted that the red line boundary of the Envirocheck Landmark Information Report does not include the Woodbury Centre as the red-line was amended after the first issue of the PERA, however, the changes in the text are reflective of the current red line boundary of the Site.

Conclusions

On the basis of the assessment completed and given the proposed end use of the development (construction of new entrance pod with associated areas of landscaping and pedestrian footpaths), the site is considered to pose a **Medium** risk to human health on the basis that potential made ground may present a source of contamination in the proposed areas of soft landscaping at the site. The proposed ground investigation at the Site will determine the extent and nature of Made Ground at the Site. The Site is considered to present a **Low** risk with respect to controlled waters.

Site Setting

Current Use	The Site comprises a parcel of land occupied by Woodbury Centre educational building, an outdoor waste storage area, an area of soft landscaping, open-air parking and pedestrian footpaths.
History	In summary, the Site formed part of a park in the earliest available mapping later in 1890s. By early 1930s the immediate surrounds of the site were developed with Abattoirs and cattle pens present to the west and fair ground to the north. The use of the Site is unclear it may have formed part of a Fair Ground or fields used for animal grazing associated with the nearby Abattoirs. By late 1930s the Bury Technical College building was constructed which occupies the majority of the Site.
Geology	The geology underlying the Site is anticipated to comprise of Made Ground associated with development of the site underlain by sand and gravel deposits associated with Glaciofluvial Deposits. The solid geology is the Pennine Lower Coal Measures Formation.
Controlled Waters	A pond is located 33m to the south of the Site. The River Irwell is located 759m to the west. Both the Glaciofluvial Deposits and Pennine Lower Coal Measures are classified as Secondary A Aquifers. The Site does not lie within Source Protection Zone and there are no groundwater abstractions within 1km radius of the Site.
Ground Gas and Vapour	The Site is considered a Low risk for ground gas due to the transient and well ventilated nature of the proposed development, an Entrance Pod constructed onto the existing College Buildings.

Preliminary Conceptual Model

The Preliminary Conceptual Site Model indicates that the highest risk estimated for potential pollutant linkages was Medium. It is considered that the overall risk rating for the proposed development is Low to Medium.

Recommendations

- A geo-environmental ground investigation should be completed, including soil and shallow groundwater monitoring (if recorded) to confirm risks to future Site users and provide design parameters for the proposed development;
- The geotechnical investigation as part of design works for the development should include an assessment of the risk posed by chemical attack;
- Soft landscaping at the Development should be planted using an appropriate thickness of imported, certified clean cover material, if necessary;
- A Construction Environmental Management Plan (CEMP) should be developed for the Site, detailing measures to minimise the potential risk to neighbouring site users and the shallow Secondary A Aquifer during the demolition and construction works;
- During the Works, appropriate measures for managing materials, chemicals and waste should be utilised. Measures should also be taken to prevent run-off from stockpiled soils reaching nearby residents, and to suppress

Recommendations

the generation of dust;

- Construction workers should be provided with and use personal protective equipment (PPE) and be informed of good hygiene measures as protection against direct contact with contaminated Made Ground, contaminated groundwater or ground gas / vapours;
- Concrete used in construction, and any new water pipes installed as part of the redevelopment works should be appropriately protected against chemical attack from shallow soils and groundwater underlying the Site; and,
- In the event that materials are to be excavated for re-use on Site or off-site disposal, a preliminary waste classification assessment should be undertaken. Waste Acceptance Criteria (WAC) testing may then be necessary where off-site disposal is proposed

1. Introduction

1.1 Objectives

Waterman Structures Limited on behalf of Bury College instructed Waterman Infrastructure & Environment Limited (“Waterman”) to undertake a Preliminary Environmental Risk Assessment (PERA) for ground contamination for the proposed development of Woodbury Transformation, Bury College (hereafter termed “the Site”).

It should be noted that the red line boundary of the Envirocheck Landmark Information Report does not include the Woodbury Centre as the red-line was amended the first issue of the PERA, however, the changes in the text are reflective of the current red line boundary of the Site.

This is a third issue report, updated following amendments to the red-line boundary.

The PRA will produce a preliminary conceptual model for the Site, identifying potential pollutant linkages in relation to ground contamination. This will be achieved through a site walkover and a desk top review of the Site and surrounding area’s environmental setting, history, and current uses. The preliminary conceptual model will incorporate a critical review of the sources pathways and receptors accordance with Land Contamination Risk Management (LCRM) 2020.

The overall objectives for the Site are as follows:

- To meet regulatory requirements;
- To support a planning application for redevelopment of the Site; and,
- To ensure the Site is suitable for redevelopment.

1.2 Planning Context

A planning application is being prepared for the Site in accordance with the proposed development details in the section below. The key objective of this report is to support a planning application for redevelopment of the Site.

1.3 Proposed Development

The Site is currently occupied, comprising a car parking, pedestrian footpath and soft landscaping surrounding the Woodbury Centre (educational building of Bury College). A red-line boundary Drawing is presented in Appendix A as Wilson Mason Drawing (Ref. 7035W L(00) 00 01).

The Proposed Development comprises:

‘Demolition of rear additions to original building, alterations to rear elevations of remaining buildings, and associated hard and soft landscaping incorporating additional car parking’.

A proposed development plan is presented in Appendix A as Landscape Masterplan Drawing Ref. (Ref. ITR-00-XX-DR-L-0001 P02).

1.4 Limitations and Constraints

The assessment was undertaken in accordance with the scope agreed between Waterman and Waterman Structures on behalf of Bury College, as documented in Waterman’s fee letter (WIE17762-100-RT Fees-230126 PERA, dated 27th January 2023), and with Waterman’s standard Terms of Appointment.

The information contained in this report is based on a review of available historical, geological and hydrogeological sources, consultation with the regulatory authorities and observations made during a Site walkover on 6th February 2023.

Waterman has endeavoured to assess all information provided to them during this investigation but

makes no guarantees or warranties as to the accuracy or completeness of this information.

The scope of this report includes an assessment of the presence of asbestos containing materials in the ground at the Site but not within buildings or structures or below ground structures (basements, buried service ducts and the like).

The conclusions resulting from this study are not necessarily indicative of future conditions or operating practices at or adjacent to the Site.

The walkover was limited to external areas only.

2. Methodology

This PERA has been undertaken in general accordance with the 2020 LCRM Guidance. Land Contamination: Risk Management Guidance (LCRM: Environment Agency, 8 October 2020).

The report includes the following:

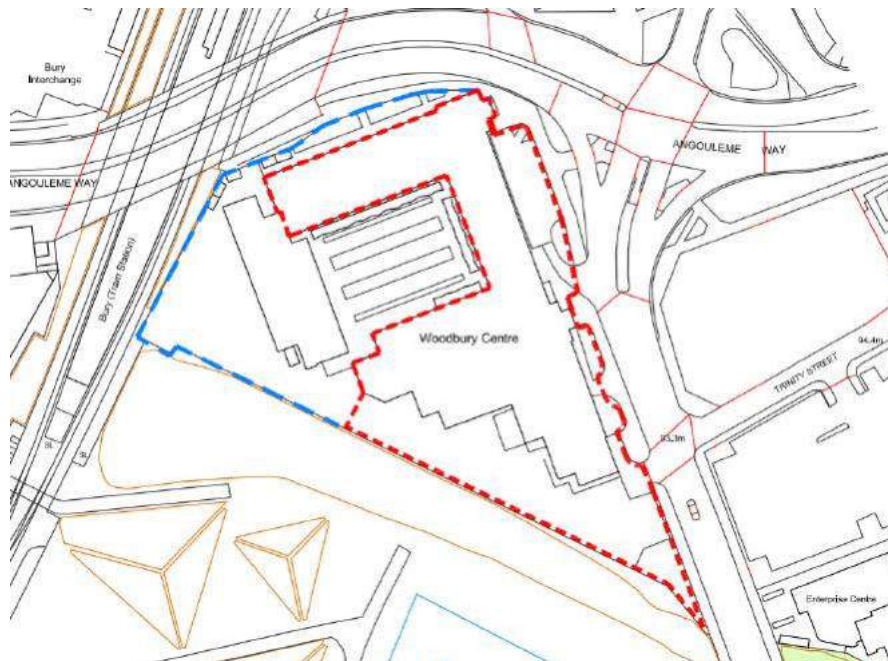
- Definition of overall Site objectives;
- Collation of available current and historical information about the Site and the potential contaminants expected to be present;
- A Site walkover;
- Formulation of a preliminary Conceptual Model;
- Qualitative risk assessment; and,
- Record of findings and recommendations for further action.

3. Hazard Identification

3.1 Site Description and Reconnaissance

The Site comprises an irregular shaped parcel of land extending to 0.48 hectares (ha), located at National Grid Reference 380500, 410420 on Market Street, in Bury city centre. The Site is bound by A58 to the north, to the east by Market Street, by a park to the south and by wider Bury College site to the west comprising inner courtyard, educational building and car parking. Figure 1 presents the current site layout.

Figure 1: Current Site Layout



Source: Extract from Wilson Mason Drawing (Ref. 7035W L(00) 00 01).

A site walkover was undertaken on the 6th February 2023. A Site location plan in Appendix A, together with a selection of photographs taken during the Site inspection is presented as Appendix B.

At the time of walkover, the north-eastern section of the site comprised a car park with 12No. spaces in the north for the Woodbury Centre. The hardstanding was observed to be in good to fair condition. Pedestrian pavement and small areas of soft landscaping exist to the east and south of the car park. The areas of soft landscaping are grassed and observed to be in good condition with some shrubs to the south of the main entrance of the Woodbury Centre.

This area of the site is accessed from Market Street through a security gate barrier with no headroom restrictions located to the southeast of this section.

The southern section of the Site is accessed through the security gate leading from Market Street. This part of the site comprises 30 car parking bays along the southern boundary. The northern boundary of this segment follows the footprint of the Woodbury Centre and comprises general waste storage area.

The total hardstanding to soft landscaping ratio on Site is approximately 90:10 respectively.

The Site is generally level with an entrance to the southern segment gently sloping towards the Market Street. The Site was observed as lying at a higher elevation than the land to the south and east.

No buried tanks were observed on the Site.

No invasive species were noted during the site walkover.

No current potentially contaminative site uses were identified during the property inspection.

3.1.1 Site Surroundings

The Site is located in a predominately commercial/urban area. A summary of the current surrounding land uses, including relevant licences and consents, is shown in Table 1.

Table 1: Summary of Surrounding Land Uses

Location	Description
North	A58 Highway to the north and Bury interchange bus station approximately 40m north and Bury Market approximately 40m northeast.
East	Market Street immediately to the East. Bury College STEM Centre (currently undergoing redevelopment works) approximately 25m to the East.
South	Single storey print services building and a park beyond.
West	Wider site of Bury College with Metrolink Line beyond.

Ecological Areas

There are no Special Protection Areas or other areas of sensitive land use within 1,000m of the Site as identified by the Envirocheck Landmark Information Report. Ecological Systems will not be considered further within this report.

3.1.2 Environmental Permits

As detailed in the Envirocheck Report the following Environmental Permits (EP) are identified on-site and in the surrounding area:

Surrounding Area

- There are 22 LAPPC permits within the area surrounding the Site. The closest authorised permit is located 49m northeast from the Site and is registered as Save Service Station. The permit reference number is: Ps6;
- There are twenty-eight discharge consents located in the surrounding area of the Site. The closest is a sewage discharge located 245m to the west of the Site into the Trib River Irwell. The permit reference is: 016993231;
- 32 licensed waste management facilities are located within 1km of the Site. The nearest is located 683m to the southwest. The license status is revoked and relates to a mobile plant.

4. Previous Environmental Assessments and Consultations

4.1 Previous Environmental Assessments

No previous environmental assessments of the Site have been provided for review.

4.2 Consultations

4.2.1 Environmental Health

Information has been requested through the Environmental Search facility. It states that the site was possibly previously used as tenters field (1848), by 1893 the land is shown as vacant, which by 1910 appears to be land used as a fair ground. Bury Technical College was built prior to 1958, later known as Bury College of Further Education. The main college building is still present on the site.

The environmental search reported number of planning applications that have been submitted for the site in relation to the ground conditions at the site.

Planning application 53857 was for the demolition of 2 no. single-storey buildings and the construction of a 5-storey building. The following reports were submitted in support of the application:

- Phase I Appraisal, Desk Study Report, Bury College, Woodbury Centre, GRM, Reference: GRM/P5368/DS.1 December 2010;
- Phase II Appraisal, Ground Investigation Report, Bury College, Woodbury Centre, GRM, Reference: GRM/P5368/F.3, May 2011;
- Remediation Method Statement, Woodbury Campus, Bury College, The Alan Johnston Partnership, September 2011.

The report provides a summary of findings from the reports above relating to ground conditions at the Site. It states that elevated levels of arsenic, lead, Benzo(a)pyrene, chrysene, naphthalene and TPH when compared to CLEA SGVs for residential without plant uptake land use. Soils leachate testing on three samples found slightly elevated levels of contaminants. Ground gas monitoring found no methane, and carbon dioxide readings were found up to 2.5%v/v. No flow levels were found. Gas Screening Values have been compared to guidelines in CIRIA C665 and no gas protection is deemed necessary.

The elevated concentrations of PAHs identified in one location, were considered a potential risk to controlled waters (surface waters). The initial remediation strategy recommended the excavation and off-site disposal of the PAH impacted soils and the installation of a 500mm clean cover in soft landscaped areas. The hotspot removal requirement was later relaxed due to the fact that the nearby surface water feature in Pyramid Park no longer exists. Validation information has not yet been submitted for the clean cover system, therefore, Conditions 4 and 5 have not been recommended for discharge.

Pre-commencement Condition 3 was recommended for discharge on 19 October 2011 and Condition 6 (unforeseen contamination) on 10 October 2011.

Planning application 55108 was for a single storey kitchen extension. No additional investigation was completed. Condition 4 (unforeseen contamination) was recommended for discharge on 1 November 2012.

There are two registered landfills within 250m of the site, these are as follows:

- **Pyramid Park landfill (C078)** was filled with inert subsoil as part of a reclamation scheme with material imported from Moss Lane, Whitefield and Porritt Street, Freetown. The site is pre – licensing and was filled in 1973. The site is currently split into car parking and open space. Site investigation was carried out in 2005 and 2006 and show generally reworked natural clays over shallow demolition wastes possibly from previous land uses. It is stated that the entire landfill site

was redeveloped in late 2000s and early 2010s as commercial development comprising a hotel, offices and car park under Planning Application 47200. Remedial measures were carried out which included significant earthworks, gas protection measures and clean cover in soft landscaped areas;

- **Peel College (C087)** is described as infilled railway cutting of unknown fill.

There are no areas of land at or near the site have been determined as Contaminated Land under Part 2A of the Environmental Protection Act (EPA) 1990.

4.2.2 Planning History

Planning portal was accessed on 22/02/2023. A planning history dating from 2005 is available, which details development associated with the College overtime including all weather pitches, new buildings, car parking and signage. No reports were available relating to ground conditions on the portal.

4.2.3 Building Control Department

Bury Council Building Control services were contacted on the 16/02/2023 and responded on the 16/02/2023. Building control stated that the Environmental Search facility should be used for Building Control information, as summarised in Section 4.2.1 above.

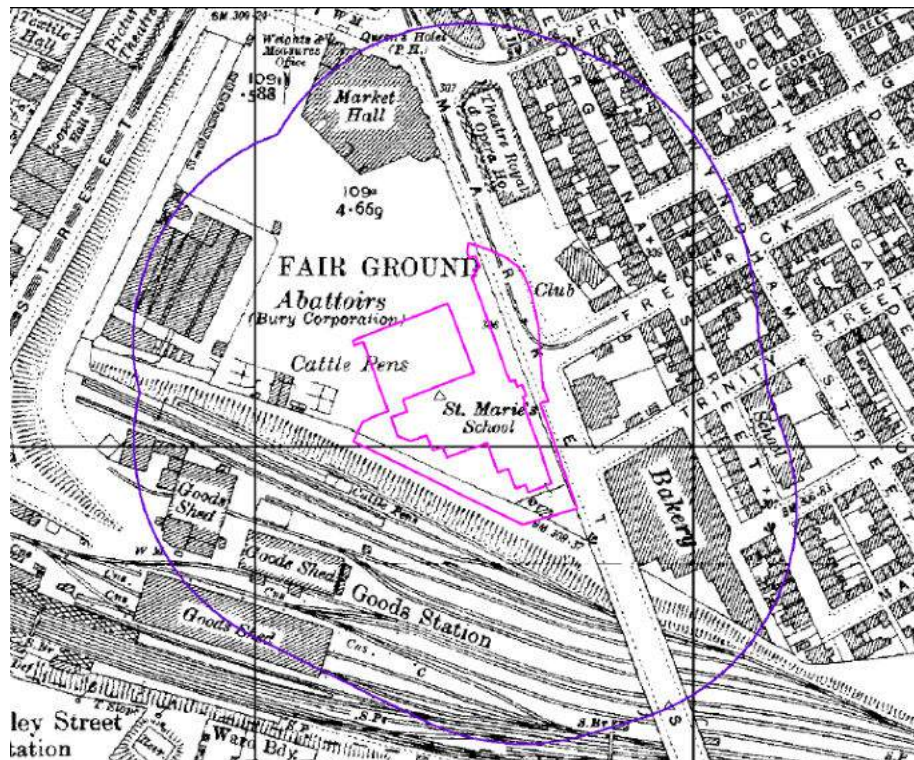
5. Environmental Site Setting

5.1 History

In summary, the Site formed part of a park in the earliest available mapping. By early 1930s the immediate surrounds of the site were developed with Abattoirs and cattle pens present to the west and fair ground to the north as shown in Figure 2. The Site remains undeveloped in 1930s mapping, however the use of the Site is unclear it may have formed part of a Fair Ground or fields used for animal grazing associated with the nearby Abattoirs. By late 1930s the Bury Technical College building was constructed which occupies the majority of the Site. A summary of the Site's and surrounding areas historical potential contamination sources as obtained from the Envirocheck historical maps is included in Table 2.

It should be noted that the site boundary has been amended from the first issue of the PERA Report, however the report text is reflective of the current site boundary.

Figure 2: Historical Site Use, Lancashire and Furness (1930)



Source: Envirocheck Landmark Information Group (2023).

Table 2: Pertinent Site History

Date	Site	Surroundings
OS Map published by Lancashire and Furness, 1849 1:1,056 and 1850 – 1851 1:10,560	The earliest available maps indicate the majority of the eastern and southern areas of the site were a part of a park and the western segment is undeveloped.	The land immediately surrounding the site is predominantly undeveloped land with town of Bury to the north. There are railway tracks with associated sheds approximately 120m south. There is a woollen mill c. 100m southwest. There is a steep southward slope from the southern site boundary.
OS Map published by Lancashire and Furness,	The site appears as undeveloped land.	Significant residential development has occurred with new dwellings constructed to the east and north. Theatre is marked c. 50m north. Railway tracks expanded with associated Goods Station

Date	Site	Surroundings
1891 1:500, 1893 1:2,500 and 1894 1:10,560		and now are present 10m south. Formerly noted woollen mill is no longer marked. Abattoirs are marked 30m west.
OS Map published by Lancashire and Furness, 1910 1:2,500 and 1910-1911 1:10,560	The Site forms part of a wider area of open ground denoted as a Fair Ground with no structures noted on-site. Market street occupies the north-eastern area of the site. Small rectangular building is present in the south-eastern corner of the site.	Market street has been constructed directly to the east. Market Hall has been constructed 60m northwest. Cattle pens are marked 5m south. The Abattoirs to the west have expanded in size. A building named Circus of Varieties is denoted to the north-west.
OS Map published by Lancashire and Furness, 1930 and 1937 1:2,500 and 1931 1:10,560	A small structure has been constructed directly northwest of an existing building. A tramway along Market Street is denoted at the east of the Site.	Cattle pens present 20m west. A bakery has been constructed 20m southeast.
OS Map published by Lancashire and Furness, 1958 1:2,500, 1938-1939 1:10,560 and 1955-1956 1:10,000	The majority of the Site is now occupied by Bury Technical College building. The layout of the Market Street occupying north-eastern portion of the site has been redeveloped now this area comprises a footpath, small structure marked as shelter and part of the Market Street. Structures in the southeast have been replaced by one rectangular building.	The Bury Technical College building extends further west of the Site. A garage is denoted 20m north. Cattle pens 20m west no longer present. Large area of residential homes from directly east to 300m east has been cleared.
OS Map published by Lancashire and Furness, 1973-1984 1:2,500 and 1980- 1984 1:10,000	A Shelter is no longer present. Four rectangular structures have been constructed along the southern boundary.	The Market Hall has been replaced by a car park. A ring road has been constructed directly east. The Bakery denoted 20m to the southeast is now labelled as works and a garage . Railway tracks associated with goods station and goods sheds has been dismantled, now the area appears to be occupied by a Townside field with embankment structures together with a large lake. A Subway is marked 90m southwest. An Electrical sub station (part of the Bury College building) is marked to the north of the southern segment of the Site. The Garage 20m north is now labelled as club. Bury interchange bus station has been constructed 40m north.
OS Map published by Lancashire and Furness, 1999 and 2006 1:10,000. Historical aerial photography 2001	No significant changes are denoted.	Ring road directly east is no longer present and A58 has been developed.
OS Map published by Lancashire and Furness, 2022 1:10,000.	Structures along the southern site boundary are no longer present.	The building of Bury College to the west of the Site has been demolished and redeveloped into a courtyard. Works and a garage 20m southeast are now labelled as college buildings.

5.2 Unexploded Ordnance

Review of Zetica UXO Risk Mapping indicates the Site to lie within a low-risk area for potential UXO and consequently no special measures are required in relation to UXO.

5.3 Geology

The Site's geology as established from the Envirocheck Landmark Information (Appendix D) and the British Geological Survey (BGS) on-line viewer is summarised in Table 3.

Table 3: Site Geology

Stratum	Area Covered	Estimated Thickness	Typical Description
Made Ground	N/A	N/A	No artificial ground is shown to cover the site. Significant thickness of made ground is not anticipated to be present as no major development has occurred at the site with the exception of the inner courtyard area where some made ground is expected associated with demolition of former Bury College structure on-site. Large area immediately south and west is shown as worked ground associated with the former Goods Station.
Glaciofluvial Deposits	Entire Site	13 – 16m	Sand and Gravel from the Devensian. There are no historical borehole records within 150m of the site.
Pennine Lower Coal Measures Formation	Entire Site	>25m	Interbedded grey mudstone, siltstone and pale grey sandstone, commonly with mudstones containing marine fossils in the lower part, and more numerous and thicker coal seams in the upper part.

A ground investigation was undertaken to the east of the Site in 2021 by Waterman on behalf of Bury College. The ground conditions recorded comprised Made Ground to between 1.0 and 4.5m bgl underlain by Clay, Sand and Gravel to depths of between 14m and 18m below ground level (bgl). The Pennine Lower Coal Measures were recorded to underlie the superficial deposits.

A thickness of Made Ground is anticipated at the Site, with Made Ground ranging between 1.0m and greater than 4.5m bgl in the adjacent areas of the Site.

5.3.1 Ground Stability

The Envirocheck Report has identified the following geological hazards (Table 4).

Table 4: Geological hazard risk to the Site

Geological Hazard	Risk
Shrink swell clay	Very low / negligible
Landslides	Very low
Ground dissolution of soluble rocks	Negligible
Compressible deposits	Very low / negligible
Running sand	Very low

The BGS map does not reveal any structural, geomorphological or geochemical features on or near to the Site.

The Site is located in a Coal Authority Reporting Area, but not in a Development High Risk Area. A Consultants Coal Authority report has been commissioned for the Site, and reported the following:

- The property is not within a surface area that could be affected by any past recorded and present underground coal mining;

- There are no probable unrecorded shallow mine workings recorded at the Site;
- There is one abandoned mine plan catalogue number which intersect with some, or all, of the enquiry boundary;
- The property is not in an area where the Coal Authority has received an application for and is currently considering whether to grant a licence to remove or work coal by underground methods;
- The property is not in an area where a licence has been granted to remove or otherwise work coal using underground methods;
- There are no recorded coal mine entries known to the Coal Authority within, or within 100 metres, of the boundary of the property;
- The Coal Authority is not aware of any damage due to geological faults or other lines of weakness that have been affected by coal mining; and,
- The Coal Authority has no record of a mine gas emission requiring action.

There are no BGS recorded mineral sites within 1,000m of the Site.

5.4 Radon

Information recovered from the Envirocheck Report, BGS, and PHE show the Site is not in an area of high radon levels. Correspondingly, no radon protection measures will be required in the proposed development.

5.5 Ground Gas

There are a number of potential sources of ground gas associated with brownfield Site.

5.5.1 Landfills

There are six historical landfills located within 500m of the Site. The closest Historical Landfill site is located 114m to the south. The landfill was operated by Peel College, with EA Reference No. EAHLD15808. No additional information is supplied.

There are two registered landfill sites within 500m of the Site. The nearest is located 306m to the west of the Site, Ref. 00503/88/M1 with the licence held by Bury M.B.C. The landfill is no-longer operational, but was licenced to accept ceramic materials, construction and industrial, wastes containing only, fibreglass, glass, metals, plastics, similar non leachate forming materials, soil, clay, sand, stone, brick, concrete, slate, wood.

There is one BGS Recorded Landfill site within 500m of the Site, located 394m to the south-east. This is also listed as a Historic landfill site. The deposited waste included industrial, commercial and household waste, and liquid sludge. The site operated from 30th June to 31st October 1971.

There are no Licensed Waste Management Facilities within 500m of the Site.

There is one Registered Waste Treatment or Disposal site within 500m of the Site. It is located 230m to the northeast with authorised waste listed as house and commercial, untreated waste, medical, surgical and veterinary wastes. The input rate is specified as small (equal to or greater than 10,000 and less than 25,000 tonnes per year).

The nearest landfill to the Site is 114m to the south. The area immediately to the south of the Site is a park at a lower level than the site, indicating potential shallow pathways of ground gas migration will be absent. The risk from migrating ground gas from nearby landfill is considered to be Low.

5.5.2 Made Ground

The former Bury College building occupying the western segment of the site indicates the potential presence of Made Ground. A thickness of Made Ground should be expected at the Site.

The Landmark Envirocheck report indicates a large area of Worked Ground, which bounds the Site to the south. Historical mapping available indicates this area of the Site comprised of a railway embankments, good sheds and station between 1894 and 1980, associated with the former railway line, is identified to be present immediately to the south and west of the Site.

The Landmark Envirocheck also indicates significant area of Made Ground is present at its closest point approximately 480m from the northern corner of the Site.

During the walkover survey the site was observed to be at higher level than the land to the south and west.

5.5.3 Infilled Land

There is one area of infilled land present within 500m of the site which is a medium sized pond infilled by 1890s 498m to the northeast.

5.5.4 Building Control Consultation

Consultation undertaken with Bury Council Building Control Department is pending.

5.5.5 Ground Gas Risk Summary

The proposed construction at the Site is an Entrance Pod, which will be constructed onto the existing College Building. The Entrance Pod will have large doors and be in transient use with personnel passing through the Entrance Pod when accessing the College. The Entrance Pod will be well ventilated and will not have a permanent resident or receptor.

Based on the highly ventilated nature of the proposed structure and its transient use, together with the limited sources of ground gas at the Site, no further ground gas investigation or assessment required.

The absence of worked Coal Seams associated with the underlying Coal Measures indicates a low risk from mines gas at the Site.

The potential for ground gas has been assessed as Very Low Risk according to the Waterman Ground Gas Assessment Tool, with results reproduced in **Appendix C**.

5.6 Vapour

Land uses with the potential to result in ground contamination with vapour risks to the Site have not been identified.

The Envirocheck data records no pollution incidents relating to atmospheric pollutants and effects or to oils or fuels within 500m of the Site.

Considering no sources within 500m of the Site being identified, there is not considered a significant vapour risk to the Site.

5.7 Controlled Waters

5.7.1 Surface Waters

The nearest surface water to the Site is around 33m to the South. The Environment Agency (EA) has not classified the Ecological Potential of this surface water body under the Water Framework Directive.

The River Irwell is located 759m to the west flowing southwardly direction. The EA has classified the Ecological Potential of this surface water body under the Water Framework Directive with a General Quality Assessment (GQA) grade of River Quality C.

There are 6No. recorded surface water abstractions within a 1km radius of the Site, the closest of which is located 760m to the West of the Site registered for the abstraction of water from the River Irwell for manufacturing.

2No. recorded surface water discharge consents are listed within a 500m radius of the Site, the closest of which is located 245m to the West of the Site licenced to discharge final treated effluent to a tributary of the River Irwell.

There are 15No. recorded pollution incidents to controlled waters within 1km radius of the Site. The closest is located 351m to the NW and relates to 'petrol from garage' entering the River Irwell due to blocked sewer recorded in 1998 as a category 3 – minor incident.

5.7.2 Groundwater

The EA has classified the geological deposits on-site as having the following classification (Table 5).

Table 5: Summary of Hydrogeological Properties of the Main Geological Strata

Stratum	EA Classification	Hydrogeological Significance
Glaciofluvial Deposits	Secondary A Aquifer	May be important in supporting local abstractions or in providing baseflow to rivers and streams
Pennine Lower Coal Measures Formation	Secondary A Aquifer	May be important in supporting local abstractions or in providing baseflow to rivers and streams

The Site is not located within a groundwater Source Protection Zone.

Based on available information, it is anticipated groundwater flow will be in a Westerly direction towards the River Irwell.

There are no recorded groundwater abstractions within a 1km radius of the Site.

5.7.3 Flood Risk

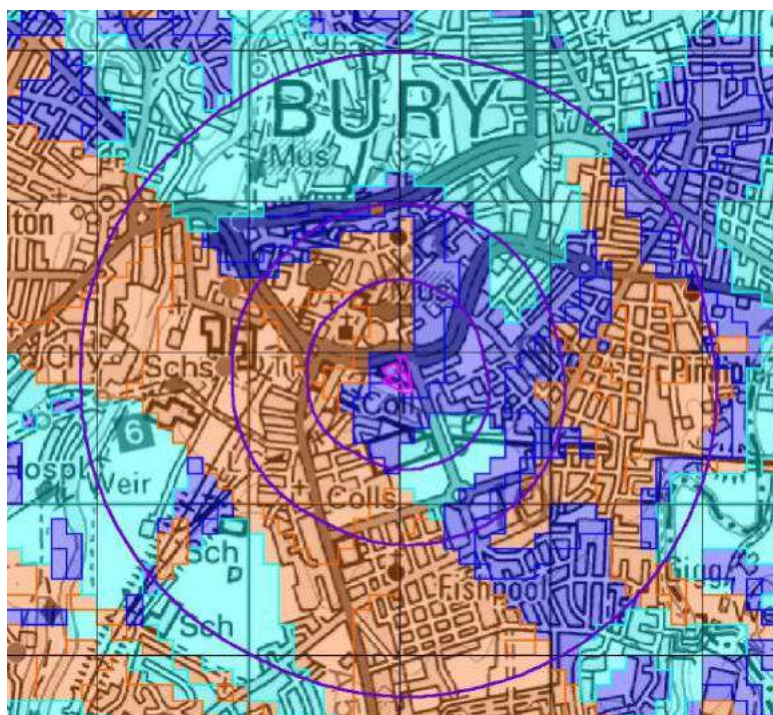
According to the EA's indicative flooding data and the Envirocheck Report the Site flood risk has been classified as the following:

- Potential for groundwater flooding to occur of property situated below ground level as shown in Figure 2.

The EA's indicative flooding data also indicates that the Site is located in an area at very low risk of flood from rivers and sea.

The EA's indicative flooding data indicates that the Site is in an area at low risk of surface water flooding.

Figure 2: Groundwater Flood Risk Map



6. Hazard Assessment and Preliminary Conceptual Model

The Preliminary Conceptual Model for the Site is presented in Table 7 below. The risk rating included in Table 7 has been assessed qualitatively using the criteria given in Appendix F and the potential receptors identified using the criteria given in Appendix G.

6.1 Contaminants of Concern

Contaminants of concern identified at the Site are summarised in Table 6. The potential contaminants associated with former and current land uses are informed by DoE Industry Profiles (1995) where applicable.

Table 6: Contaminants of Concern

Source	Metals	Semimetals/non-metals	PAHs	TPHs	MTBE	BTEX	VOC/SVOC	Solvents	PCBs	Asbestos	Detergents, acid/alkali	Ground Gas	Vapours	Sulphates/Chlorides
On-Site														
Made Ground associated with construction of Bury College	x	x	x	x		x				x			x	
Potentially grazing fields associated with the nearby Abattoirs (1893-1980s)	x	x	x	x	x	x								
Off-Site														
Electrical Substation	x			x			x		x					
Former railway sidings to the south, garage, works to the southeast	x		x	x		x	x	x		x				
Worked Ground and Made Ground associated with former railway sidings	x		x	x		x	x			x			x	

Table 7: Outline Conceptual Site Model

Source	Linkage	Receptor	Risk	Justification / Mitigation	Residual Risk
Human Health					
Potential for contamination in soil associated with historical use of the site. Possible migrations from adjacent site uses	Dermal Contact/Ingestion/Inhalation	Future Site Users	Medium	The Site and immediate surroundings were historically largely undeveloped and used as a Fair Ground and possibly animal grazing associated with the adjacent Abattoirs. The proposed development will comprise a new Entrance Pod to the existing College Building together with areas of soft landscaping. A potential exists for contaminants to be present in the site soils. Hardstanding and an appropriate cover system will prevent future site-users exposure to ground contamination. A ground investigation is recommended to confirm the potential risk at the Site is Low. It is considered any potential risk can be suitably mitigated by the development of a remediation strategy and introduced engineered mitigation as part of the future development.	Low
Ground Gas	Inhalation and explosion	Future Site Users	Low	The Site and immediate surroundings were historically largely undeveloped and used as a Fair Ground and possibly animal grazing associated with the adjacent Abattoirs. The extent of Made Ground is anticipated to be present but not extensive. The proposed Entrance Pod at the Site will be highly ventilated due to the large doors and the transient nature of its use. The risk from ground gas at the Site is considered to be Low. No further assessment of ground gas is proposed.	
Potential contamination in Made Ground and shallow soils on site.	Windborne, potentially contaminated construction dust generated during demolition and excavation works. Runoff from stockpiled soils.	Off-site users and nearby residents	Medium	A Construction Environmental Monitoring Plan (CEMP) should be prepared for the works, including measures to minimise runoff from stockpiled soils, manage groundwater in excavations and suppress the generation of dust. Construction materials brought on-site as part of works will be appropriately stored to prevent spills and leaks. This should prevent potentially contaminated material reaching off-site residents. Ground investigation and chemical testing required to confirm presence/absence of contaminants.	Low
Potential contamination in Made Ground	Dermal Contact/Inhalation during	Construction Workers	Medium	Construction workers will be provided with appropriate personal protective equipment (PPE). Workers should be aware of good hygiene measures as protection against direct contact with contaminated Made	Low

Source	Linkage	Receptor	Risk	Justification / Mitigation	Residual Risk
and shallow soils on site.	demolition and excavation works. Ground gas and vapour accumulation in trenches and confined spaces, leading to inhalation followed by asphyxiation and risk of explosion.			Ground, contaminated groundwater, ground gas, vapours and dust inhalation. Works will be undertaken in accordance with the Control of Asbestos Regulations 2012. Ground investigation, gas monitoring and chemical testing required to confirm presence/ absence of contaminants.	
Property					
Potential contamination in Made Ground and shallow soils and groundwater	Direct contact with building foundations and buried services leading to chemical attack.	Site structures and services	Medium	Geotechnical investigation as part of design works for the development should include sampling and testing of soils to assess the risk posed by chemical attack. If required, appropriately designed buried concrete and barrier water supply pipes should be used at the development.	Low
Controlled Waters					
Contamination in soil and groundwater	Soil leaching and lateral migration	Glaciofluvial Deposits and Pennine Lower Coal Measures Formation – both Secondary A Aquifer	Medium	Potentially contaminating historic Site uses have been identified at the Site including probable use as part of the nearby historical Abattoirs for animal holding/grazing. Whilst both the Glaciofluvial Deposits and the Pennine Lower Coal Measures are classified as Secondary A Aquifers, there are no recorded groundwater abstractions within 1km of the Site and the Site does not lie within a groundwater Source Protection Zone. Given the industrial heritage of the area, it is unlikely that any groundwater contamination could be attributable to the Site. Piling through the superficial deposits has the potential to create new pathways for contamination to be introduced into underlying aquifers. Should piling be required in the future development then an appropriate piling technique should be agreed with PCC and the EA prior to commencement of works. The potential risk to the underlying Secondary A Aquifer from the shallow soils is considered to be Medium. The ground investigation will confirm soil and groundwater quality.	Low

Source	Linkage	Receptor	Risk	Justification / Mitigation	Residual Risk
		River Irwell	Low	Given the significant distance to the River Irwell and the Site and the industrial heritage of the area, it is unlikely that any surface water contamination could be attributable to the Site;	Low

7. Conclusions

A Preliminary Risk Assessment has been prepared to inform a planning application for the construction of a new Entrance Pod associated with the existing College Building together with additional soft landscaping and car parking and demolition of single storey rear wing to provide landscaped amenity area and replacement parking.

The earliest available mapping (1849) denotes the Site formed part of a park, which remains undeveloped. By early 1930s the immediate surrounds of the site were developed with Abattoirs and cattle pens present to the west and a Fair Ground to the north. The use of the Site is unclear it may have formed part of a Fair Ground or fields used for animal grazing associated with the nearby Abattoirs. By late 1930s the Site was part of a wider Bury Technical College.

The geology underlying the Site is anticipated to comprise a thickness of Made Ground underlain Glaciofluvial deposits. The solid geology is the Pennine Lower Coal Measures. The Site is located in a Coal Mining Reporting area, but outside of a Development High Risk Area.

The Site is underlain by a Secondary A Aquifers associated with both the Glaciofluvial deposits and the Pennine Lower Coal Measures. The Site is not located within a Source Protection Zone and there are no potable groundwater abstractions within 500m of the Site. The nearest surface water receptor to the Site is adjacent to the River Irwell located 759m to the west of the Site.

The nearest landfill to the Site is 114m to the south, however, potential migration pathways are likely to be absent due to the adjacent park area being located at a lower level than the site level, breaking the pathway. The risk from mines gas is considered to be low. The ventilated and transient nature of the use of an Entrance Pod indicates the risk from potential ground gas is Low.

Given the proposed end use the overall risk rating for the Site is assessed as low/medium.

Potentially Unacceptable Risks

Potential contaminant linkages identified for the Site are as follows:

- Risk to site end users, neighbouring site users and construction workers from dermal contact/ ingestion/inhalation of potentially contaminated Made Ground on site; and,
- Direct contact between potentially contaminated Made Ground, and structures and services.

The recommendations of this report outline preliminary remedial and mitigation measures that require confirmation through additional works. However, once successfully implemented the risks are anticipated to be Low. Therefore, the NPPF requirement that on completion the Site can no longer be captured under the Part IIA regime is expected to be met.

8. Recommendations

The following actions are recommended to address the potentially unacceptable risks identified:

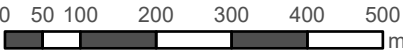
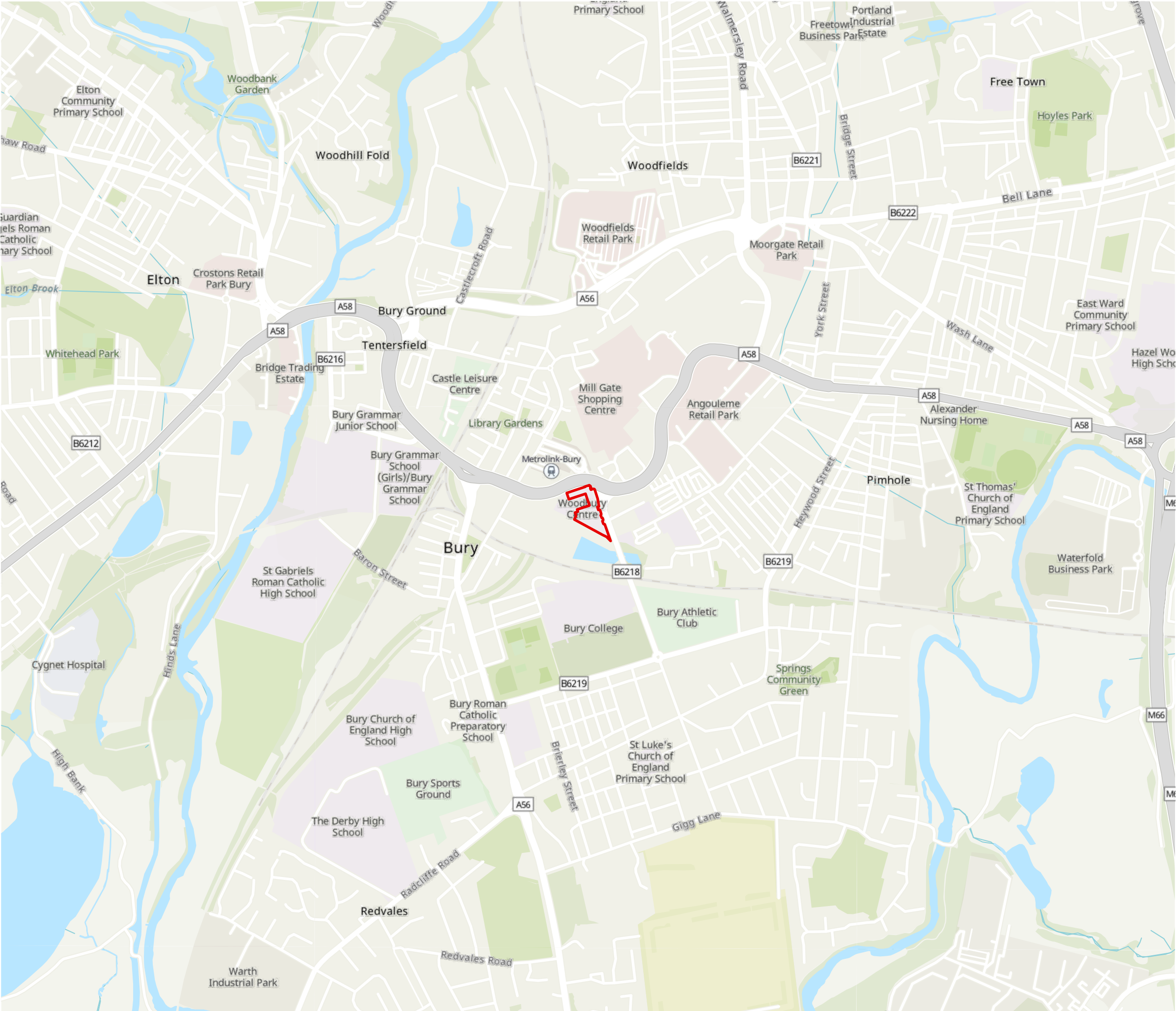
- A geo-environmental ground investigation should be completed, including soil and shallow groundwater monitoring (if recorded) to confirm risks to future Site users and provide design parameters for the proposed development;
- The geotechnical investigation as part of design works for the development should include an assessment of the risk posed by chemical attack;
- Soft landscaping at the Development should be planted using an appropriate thickness of imported, certified clean cover material, if necessary;
- A Construction Environmental Management Plan (CEMP) should be developed for the Site, detailing measures to minimise the potential risk to neighbouring site users and the shallow Secondary A Aquifer during the demolition and construction works;
- During the Works, appropriate measures for managing materials, chemicals and waste should be utilised. Measures should also be taken to prevent run-off from stockpiled soils reaching nearby residents, and to suppress the generation of dust;
- Construction workers should be provided with and use personal protective equipment (PPE) and be informed of good hygiene measures as protection against direct contact with contaminated Made Ground, contaminated groundwater or ground gas / vapours;
- Concrete used in construction, and any new water pipes installed as part of the redevelopment works should be appropriately protected against chemical attack from shallow soils and groundwater underlying the Site; and,
- In the event that materials are to be excavated for re-use on Site or off-site disposal, a preliminary waste classification assessment should be undertaken. Waste Acceptance Criteria (WAC) testing may then be necessary where off-site disposal is proposed.

APPENDICES

A. Site Plans

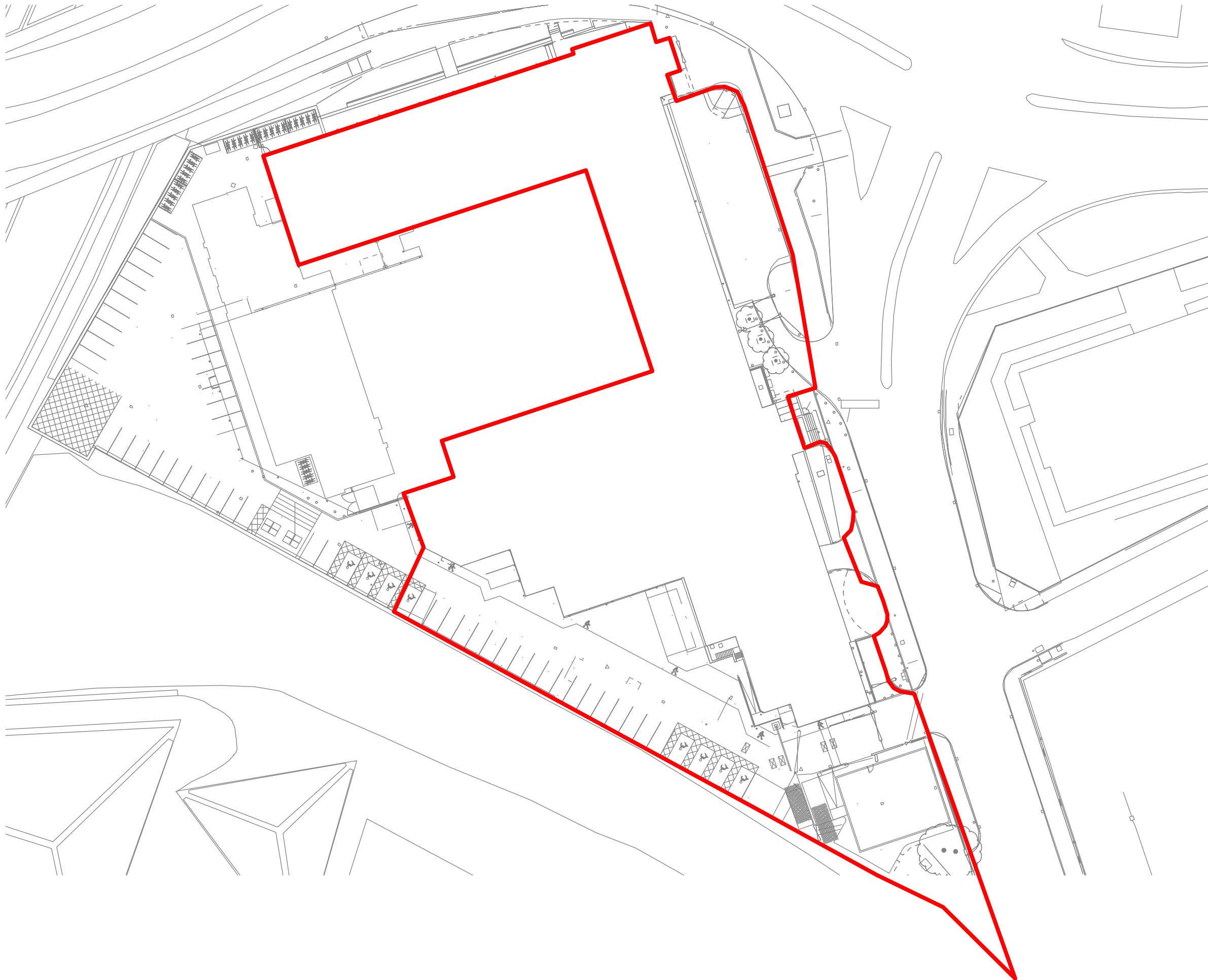
- Site Location Plan (Ref. WIE17762-102_GIS_LQD_A1B and WIE17762-102_GIS_LQD_A2B)
- Red-line boundary Plan (Ref: 7035W L(00) 00 01)
- A proposed development plan (Ref. ITR-00-XX-DR-L-0001 P02).

Site Location



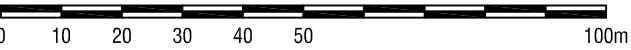
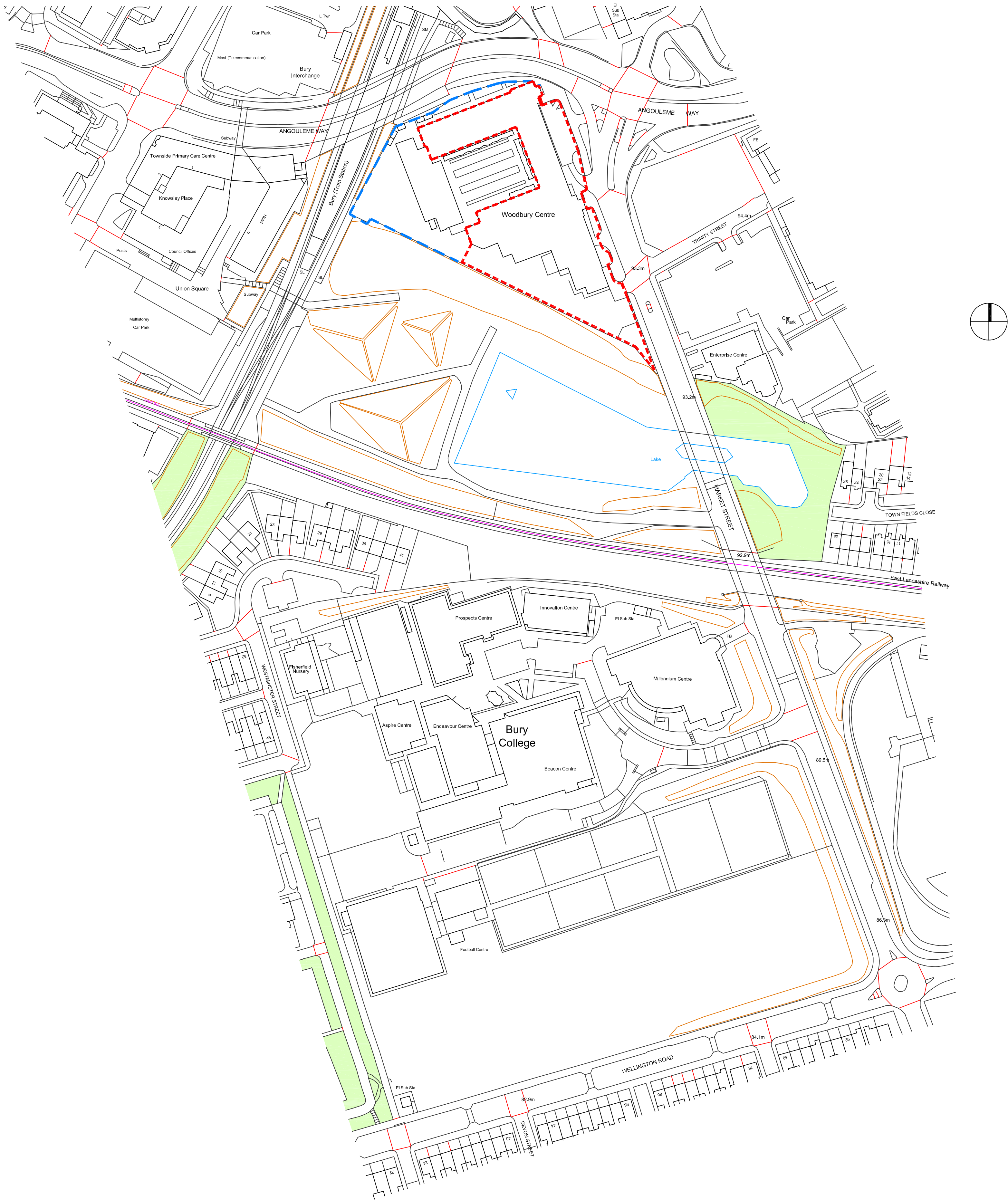
Project Details	WIE17762-102: Woodbury Transformation
Figure Title	Figure A1: Site Location Plan
Figure Ref	WIE17762-102_GIS_LQD_A1B
Date	May 2023
File Location	\\waterman-consulting.com\legacyfile\MR_WIEL\Projects\WIE17762\102\9_GIS\WIE17762-102_GIS_LQD_A1B.mxd www.watermangroup.com

 Site Boundary



Project Details	WIE17762-102: Woodbury Transformation
Figure Title	Figure A2: Site Plan
Figure Ref	WIE17762-102_GIS_LQD_A2B
Date	May 2023
File Location	\\waterman-consulting.com\legacyfile\MR_WIEL\Projects\WIE17762\102\9_GIS\WIE
	www.watermangroup.com

- Legend
- Blue line - Ownership boundary
- Red line - Woodbury building



01	kc	KC	Red outline amended	2023-03-17
no.	by	chk.	revision	date



project

Bury College
Transformation - Woodbury

by	chk.	date	scale	sheet size
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AR

KC

2023 03 13

1:1250

A1

title

Location Plan

status	job no. / dsg. no	revision
	7035W L(00) 00	01



NOTES:

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KEY PLAN

P02	UPDATE FOR STAGE 2 REPORT	MS	KH	25.11.22
P01	FIRST ISSUE	MS	KH	16.09.21
REV	DETAILS	DRAWN BY	CHECKED BY	CHECKED DATE

DRAWING RECORD

STATUS

FOR INFORMATION

CLIENT



MASTERPLANNERS/LANDSCAPE ARCHITECTS

(iteriad)

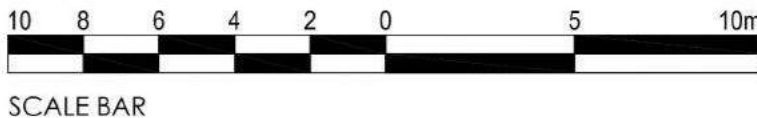
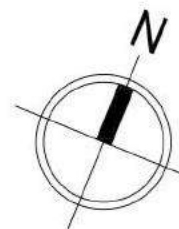
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PROJECT TITLE
BURY COLLEGE - WOODBURY SOUTH

DRAWING TITLE
LANDSCAPE MASTERPLAN

SCALE	DRAWN BY	DATE
1:200@A1	MS	SEP '21

JOB/DRAWING NUMBER	REVISION
??-ITR-00-XX-DR-L-0001	P02



B. Site Photographs

- **Photographs 1 - 6**



View of the eastern carpark from the north



View of the existing main entrance to the Woodbury Centre



View of the existing landscaping in the eastern segment of the site



View of the rear of the Woodbury building



View of the car parking bays along the southern site boundary from the north



View of the waste storage area from the south

Project Details	WIE17762-102: Woodbury Transformation, Bury College
Figure Title	Figure B1: Site Photographs
Figure Ref	WIE17762-102_GR_PERA_A1A
Date	February 2023
File Location	N:\Projects\wie17762\102\graphics\peral\issued figures
www.watermangroup.com	

C. Ground Gas Risk Assessment

Table C.1: Waterman Ground Gas Risk Assessment Tool

Parameter	Select parameter	Assessment score	Impact on ground gas risk to completed development	Reasoning	Supporting guidance and reference
Is there an existing Ground Investigation report for the Site?	No	0	<i>Refer to available online resources i.e. BGS online</i>	<i>Information from online resources such as the Groundsure/Landmark Environmental report and BGS datasets will provide a general understanding of the likely ground conditions at the Site.</i>	
Is the Site within 20m of an area of former coal mining or landfilling?	No	0	<i>Reduces risk</i>	<i>The absence of coal mining or landfills close to the Site removes a significant potential source of ground gas risk.</i>	The Coal Authority: Risk Based Approach to Development Management; Guidance for Developers (2017) [Section 2.2, Page 7] CL:AIRE: Research Bulletin RB17 A Pragmatic Approach to Ground Gas Risk Assessment (November 2012) [Section 3, Page 3] EPG: Ground Gas Information Sheet 3 Screening approach for landfill gas migration around landfill sites (November 2018) [Page 2]
Is the Site in an area at risk of radon?	No	0	<i>No impact on risk</i>	<i>The proposed development is unlikely to include any radon protective measures that could also mitigate ground gas risk.</i>	Building Research Establishment: BRE 211 Radon - Guidance on protective measures for new buildings [Section 5 Page 6]
Primary soil type assessed	Made Ground with low organic content (i.e. bricks, demolition material, crushed concrete sub-base)	1	<i>No increase in risk</i>	<i>Where organic matter is unlikely to comprise a significant component of Made Ground the methane generation potential is relatively low as material such as brick, glass, concrete and demolition waste (except wood) does not putrefy.</i>	CL:AIRE: Research Bulletin RB17 A Pragmatic Approach to Ground Gas Risk Assessment (November 2012) [Section 3, Page 3] EPG: A pragmatic approach to ground gas risk assessment for the 21st Century (2011) [Page 2]

Appendices

Parameter	Select parameter	Assessment score	Impact on ground gas risk to completed development	Reasoning	Supporting guidance and reference
Secondary soil type assessed (if assessing multiple strata)	Gravel	0	<i>Reduces risk</i>	<i>Although Gravels may contain thin bands of peaty material, in general the majority constituent is quartz fragments and coarse sands with limited potential for putrefaction and methane generation.</i>	CL:AIRE: Research Bulletin RB17 A Pragmatic Approach to Ground Gas Risk Assessment (November 2012) [Section 3, Page 3] EPG: A pragmatic approach to ground gas risk assessment for the 21st Century (2011) [Page 2]
Thickness of Made Ground (if present on-Site)	Under 5m (with average of less than 3m)	0	<i>Reduces risk</i>	<i>Made Ground of this volume is not likely to have sufficient organic material present to generate significant volumes of methane, unless it has a significantly high organic content. Also Made Ground of this thickness is likely to be accurately characterised by trial pitting alone, which will determine the gas risk.</i>	CL:AIRE: Research Bulletin RB17 A Pragmatic Approach to Ground Gas Risk Assessment (November 2012) [Section 3: Page 4]
Period since Made Ground emplaced (if present on-Site)	<20 years	2	<i>Increases risk</i>	<i>The majority of active methane generation from Made Ground occurs in the first 20 years following emplacement.</i>	CL:AIRE: Research Bulletin RB17 A Pragmatic Approach to Ground Gas Risk Assessment (November 2012) [Appendix A, Page 10]
Existing building type (if applicable)	New development proposed	0	<i>Reduces risk only if appropriate protective measures are included where necessary</i>	<i>Construction of new buildings offers an opportunity to design gas protection directly into the structure, with more flexibility and reliability than retrofitting an existing structure. Requirement for gas protection is informed by ground conditions.</i>	CIRIA: C665 Assessing Risks Posed by Hazardous Ground Gases to Buildings (2007) [Table 8.6, Page 90] British Standard: BS8485 Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings (2015) [Table 86 Page 90]
Development type	No structures proposed	-6	<i>Reduces risk</i>	<i>Lack of enclosed spaces in new structures prevents accumulation of ground gas.</i>	British Standard: BS8485 Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings (2015) [Section 7, Page 21]

Appendices

Parameter	Select parameter	Assessment score	Impact on ground gas risk to completed development	Reasoning	Supporting guidance and reference
Ground floor slab construction details	Not known	0	<i>Does not reduce risk</i>	<i>Does not reduce risk</i>	CIRIA: C665 Assessing Risks Posed by Hazardous Ground Gases to Buildings (2007) [Table 8.6, Page 90] British Standard: BS8485 Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings (2015) [Section 7.2, Page 23]
Development includes a basement?	No	1	<i>Does not reduce risk</i>	<i>Where the development does not include a basement the majority of potential ground gas source material will likely remain beneath the Site.</i>	British Standard: BS8485 Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings (2015) [Annex A Page 36] CIEH: The Local Authority Guide to Ground Gas (September 2008) [Section 7 Page 101]
If a basement is present, is this structure in contact with groundwater-bearing strata?	No basement	0	<i>Does not increase risk</i>	<i>Not Applicable</i>	EPG: Dissolved methane monitoring for ground gas risk assessment (September 2018) [Page 1]
Presence of off-Site sources with potential pathway to Site?	No	0	<i>Does not increase risk</i>	<i>Where no potential off-Site sources exist, or where there is no direct pathway for these gases to migrate to the Site no risk exists.</i>	
Total Assessed Score	-2				
In consideration of the above details the development is considered to be at Very Low Risk for ground gas issues.					

Appendices

Parameter	Select parameter	Assessment score	Impact on ground gas risk to completed development	Reasoning	Supporting guidance and reference
Based on the sensitivity of the end-use receptor			no further ground gas investigation or assessment required.		

Appendices

D. Consultation Information

Appendices



Date 27 February 2023
Reference ES880.270223.1
Website www.bury.gov.uk

Department for Operations

Ugne Ankenaite
Waterman Infrastructure & Environment Ltd
6th Floor Trinity Court
16 John Dalton Street
Manchester
M2 6HY

Dear Ugne

ENVIRONMENTAL SEARCH REQUEST
Bury College, 6 Market St, Bury, BL9 0AJ

Further to your recent enquiry regarding the above site, the Environment Section holds the following information:

The site is approximately 0.5 hectares in area and is located at National Grid Reference 380475 410429. The current OS plan is attached showing its location.

Please be careful to check the approximate scales on each plan enclosed as some will vary dependant on the search parameters.

Contamination issues at or immediately adjacent to the site

Previous uses at the site have included a possible tenters field (1848), by 1893 the land is shown as vacant, which by 1910 appears to be land used as a fair ground. Bury Technical College was built prior to 1958, later known as Bury College of Further Education. The main college building is still present on the site.

Previous land uses within the surrounding area included a woollen mill, railway land, sidings and a goods station, a rope walk, an abattoir with cattle pens, cotton mills, a reservoir, a large bakery, garages and works.

This Section holds the following information relating to the ground conditions at the site. The location of these reports is shown on the attached plan.

- **CL589 – Woodbury Centre, Bury College, Market Street, Bury**

A number of planning applications have been submitted for the site.

Planning application 53857 was for the demolition of 2 no. single-storey buildings and the construction of a 5-storey building. The following reports were submitted in support of the application:

- Phase I Appraisal, Desk Study Report, Bury College, Woodbury Centre, GRM, Reference: GRM/P5368/DS.1 December 2010.
- Phase II Appraisal, Ground Investigation Report, Bury College, Woodbury Centre, GRM, Reference: GRM/P5368/F.3, May 2011.
- Remediation Method Statement, Woodbury Campus, Bury College, The Alan Johnston Partnership, September 2011.

The site investigation carried out at the site found elevated levels of arsenic (WS4 - 43.4mg/kg), lead (WS3 - 1200mg/kg), Benzo(a)pyrene (WS4 - 1360 mg/kg), chrysene (WS4 - 1380 mg/kg), naphthalene (WS4 - 113 mg/kg) and TPH when compared to CLEA SGVs for residential without plant uptake land use. Soils leachate testing on three samples found slightly elevated levels of contaminants. Ground gas monitoring found no methane, and carbon dioxide readings were found up to 2.5%v/v. No flow levels were found. Gas Screening Values have been compared to guidelines in CIRIA C665 and no gas protection is deemed necessary.

The elevated concentrations of PAHs identified in vicinity of WS4, were considered a potential risk to controlled waters (surface waters). The initial remediation strategy recommended the excavation and off-site disposal of the PAH impacted soils and the installation of a 500mm clean cover in soft landscaped areas. The hotspot removal requirement was later relaxed due to the fact that the nearby surface water feature in Pyramid Park no longer exists. Validation information has not yet been submitted for the clean cover system, therefore, Conditions 4 and 5 have not been recommended for discharge.

Pre-commencement Condition 3 was recommended for discharge on 19 October 2011 and Condition 6 (unforeseen contamination) on 10 October 2011.

Planning application 55108 was for a single storey kitchen extension. No additional investigation was completed. Condition 4 (unforeseen contamination) was recommended for discharge on 1 November 2012.

Please contact me if you would like copies of any of the reports listed above.

Landfill Sites within 250 metres

We are aware of two registered landfills within 250m of the site and a location plan is enclosed (summarised below):

Landfill Name: Pyramid Park

File reference: C078

Grid Ref.: 380750 410250

The site was filled with inert subsoil as part of a reclamation scheme with material imported from Moss Lane, Whitefield and Porritt Street, Freetown. The site is pre – licensing and was filled in 1973. The site is currently split into car parking and open space.

Site investigations carried out in 2005 and 2006 show generally reworked natural clays over shallow demolition wastes possibly from previous land uses.

The entire landfill site was redeveloped in late 2000s and early 2010s as commercial development comprising a hotel, offices and car park under Planning Application 47200. Remedial measures were carried out which included significant earthworks, gas protection measures and clean cover in soft landscaped areas.

Landfill Name: Peel College

File reference: C087

Grid Ref.: 380500 410240

The site is an infilled railway cutting. It is not known what the landfill was filled with. The site is pre – licensing act.

Please note that the boundaries indicated on the enclosed plan are approximate only and may not reflect the actual extent of fill.

Local areas of landfilling at or within influencing distance of the site may have been carried out for which we hold no records. Please consult historical maps and other sources of information to identify potential areas of filling.

Further information on landfills may be available from the Environment Agency by telephoning 03708 506 506, emailing enquiries@environment-agency.gov.uk or visiting their Website: <https://www.gov.uk/government/organisations/environment-agency> and completing any on-line enquiry form. Note that the Environment Agency may make a reasonable charge for supplying this information

Sites determined as statutory contaminated land within 250 metres

No areas of land at or near the site have been determined as Contaminated Land under Part 2A of the Environmental Protection Act (EPA) 1990.

It is not known at this time whether the site or any of the surrounding land will be identified as contaminated. However, based on current information it is unlikely that we will carry out an inspection of the site according to our duties under Part 2A of the EPA, unless evidence of significant contamination is identified.

However, if the site is to be redeveloped for a sensitive end use, it is likely that as a minimum a preliminary risk assessment and characterisation of ground conditions including sampling of the soils will be required along with a watching brief during ground works under the planning regime.

It would be considered prudent to conduct the above assessments and sampling to indicate potential problems which may require further investigations and / or remedial action. Extracts from historical mapping have been included for your information.

Historical maps for the site

Extracts from Ordnance Survey historical maps 1848, 1893, 1910, 1930, 1937, 1958, 1959 and 1984 are enclosed. Please refer to the maps for details of past uses at the site and surrounding land.

Aerial Photographs for the site

Aerial photography of the site from the 1940s, 1979, 1989, 1997-9, 2000, 2005-6 and 2011 surveys are enclosed for your information.

Please note that the quality of the earlier photography is limited, however, they do provide an extra source of information which is generally useful for the site and surrounding land.

Solid & Drift Geology for the site

The following information has been taken from the British Geological Survey 1:50000 scale digital map:

DRIFT	GLACIOFLUVIAL SAND AND GRAVEL
SOLID	CARBONIFEROUS LOWER COAL MEASURES FORMATION

Please note that the 1:50 000 scale data may be used as a guide to the geology at a local level, but should not be relied on for site specific geology. If more-detailed information is required then the 1:10000 scale maps, which provide the most-detailed interpretations available, should be consulted.

Aquifers and groundwater vulnerability classification at the site

The Environment Agency designate aquifers based on the Water Framework Directive. The designations reflect the importance of aquifers in terms of groundwater as a resource (drinking water supply) but also their role in supporting surface water flows and wetland ecosystems. The aquifer designation data is based on geological mapping provided by the British Geological Survey. Both the bedrock and superficial deposits are classified on the same scale.

Based on these designations, the bedrock beneath the site is classified as **Secondary A** (Lower Coal Measures), while the overlying superficial deposits are classified as **Secondary A**. Please see below for the descriptions of these classifications:

- **Secondary A** - permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers.

The Environment Agency still recommend that the older groundwater vulnerability maps are used to classify soil leaching potential. The site is located over soils classified as **HU**. Please see below for the description of this classification:

- **Soils of High Leaching Potential, HU:** Soils at the site are classified as HU. Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst-case vulnerability classification of soils of high leaching potential (H) is assumed, until proved otherwise.

Radon Affected Areas at the site

The site is not located within a Radon Affected Area as less than 1 percent of homes are likely to be above the Action Level.

The UK Health Security Agency recommends a radon 'Action Level' of 200 Becquerels per cubic metre for the annual average of radon gas concentration in a home. Where 1% or more of homes are estimated to exceed the Action Level, the area should be regarded as a Radon Affected Area.

Further information on Radon can be obtained from the UK Health Security Agency, from the British Geological Survey or at www.ukradon.org.

Environmental Permits at the site

We are not aware of any sites with Integrated Pollution Prevention Control (IPPC) Part A1, or Local Authority Integrated Pollution Prevention and Control (LAIPPC) Part A2 within 250m of the site.

Further information of the above authorisations is available for viewing within the PPC Public Register held at 3 Knowsley Place, Duke Street, Bury. Please contact us to arrange a visit if required.

Please note that other processes that do not fall under these regulations or are exempt may exist within influencing distance of the site of interest and may cause pollution and/or nuisance to new receptors.

Statutory nuisance notices in force at the site

We have searched the Environmental Services Authority database for nuisance and pollution incidents.

No nuisance incidents have been logged against the address supplied within the last 12 months.

No pollution incidents have been logged against the address supplied within the last 12 months.

No Statutory Notices for nuisance have been served against the address supplied or the immediate area within the last 12 months.

Other information on pollution incidents may be held by the Environment Agency (contact details given above), Health & Safety Executive on www.hse.gov.uk or by contacting the Manchester office on 0161 952 8200, Greater Manchester Fire Brigade on www.manchesterfire.gov.uk and Greater Manchester Police on 0161 872 5050 or their website: www.gmp.police.uk.

Private Water Supplies within 1000 metres

We are not aware of any private water abstractions regulated under the Private Water Supplies (England) Regulations 2016 within 1000m of the site.

Environmental Information Regulations 2004

The Environmental Information Regulations enable individuals and organisations to request environmental information held by public bodies. In the majority of cases, we will endeavour to respond to your request within 20 working days, extended to a maximum of 40 working days should the request be complex or voluminous. Public Bodies are allowed to make a reasonable charge for supplying the information requested, and we will contact you if a charge is applicable.

You are welcome to have access to any public registers or to examine the information free of charge. If you wish to do so, please contact the Council to arrange viewing.

If you are dissatisfied with your response, you have the right to complain to the Local Authority, who will conduct an internal review to try and resolve any issues or problems. Please complete a 'Report a Problem' complaint form available from our website: www.bury.gov.uk or by contacting customer services on 0161 253 5353. Should you still not be satisfied with your response, you may then appeal to the Information Commissioner. Details can be found on the following website: www.informationcommissioner.gov.uk or by contacting 01625 545 700.

Payment Receipt

I acknowledge your payment of £125.00. Should you require any further information please contact me on the number given above.

Customer Satisfaction Survey

The Environment Section, as part of its commitment to Customer Care, is looking at ways to improve its service. Our commitment is to listen to our customers and offer courteous, helpful advice and assistance.

With regards to your information request I should be grateful if you could complete the enclosed questionnaire to help us assess if we are meeting your needs.

Information collected in the survey will be strictly confidential and will enable us to provide a quality service. Thank you for your co-operation.

Should you require any further information please contact me on the number given above.

Yours sincerely

A handwritten signature in black ink, appearing to read 'Rebecca Jones', written in a cursive style.

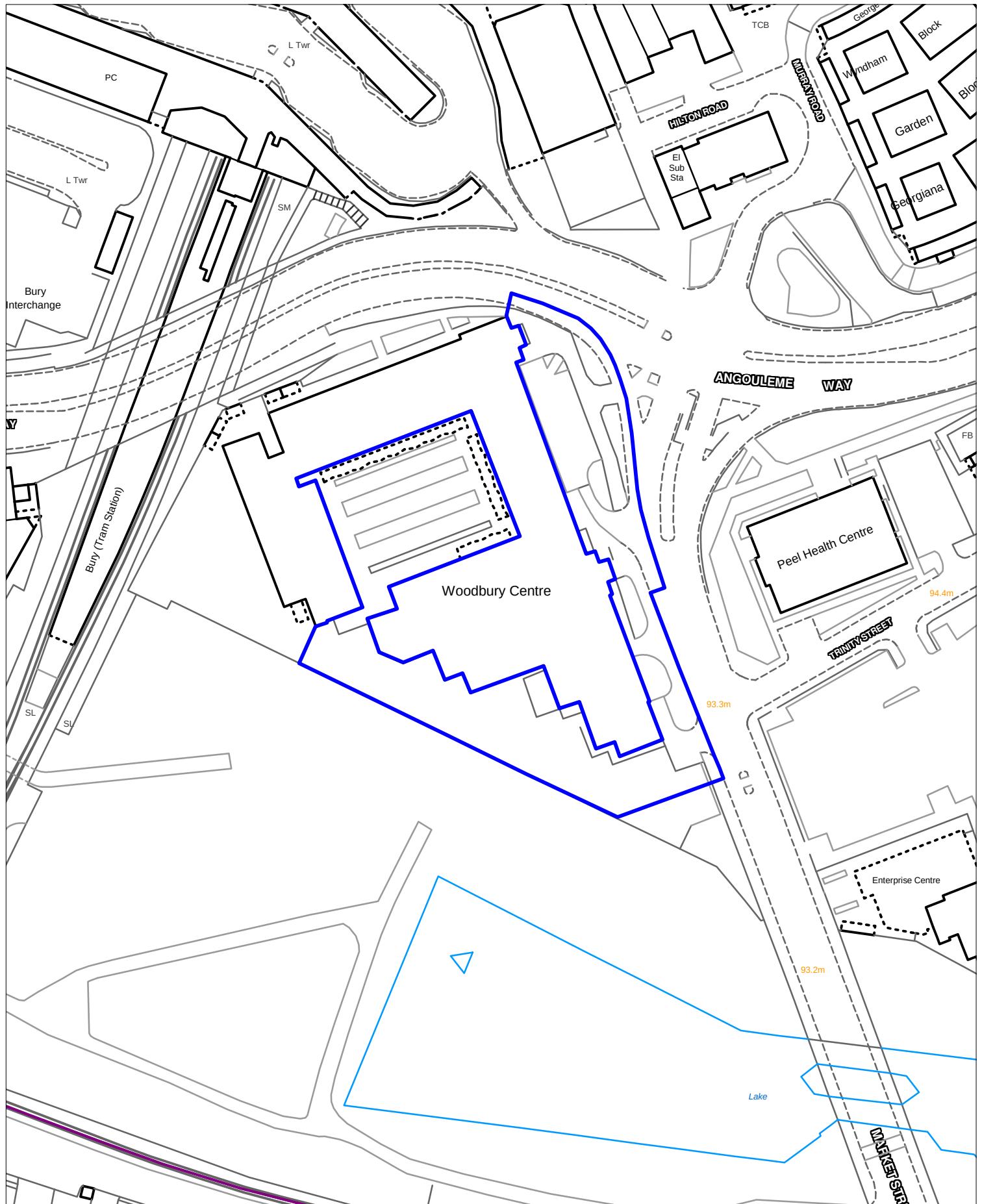
Rebecca Jones
Environmental Protection Officer

The above details are based upon records currently held by the Environment Section and are believed to be accurate at the time of printing. However, this Division can accept no responsibility for their accuracy or completeness.



Follow us on





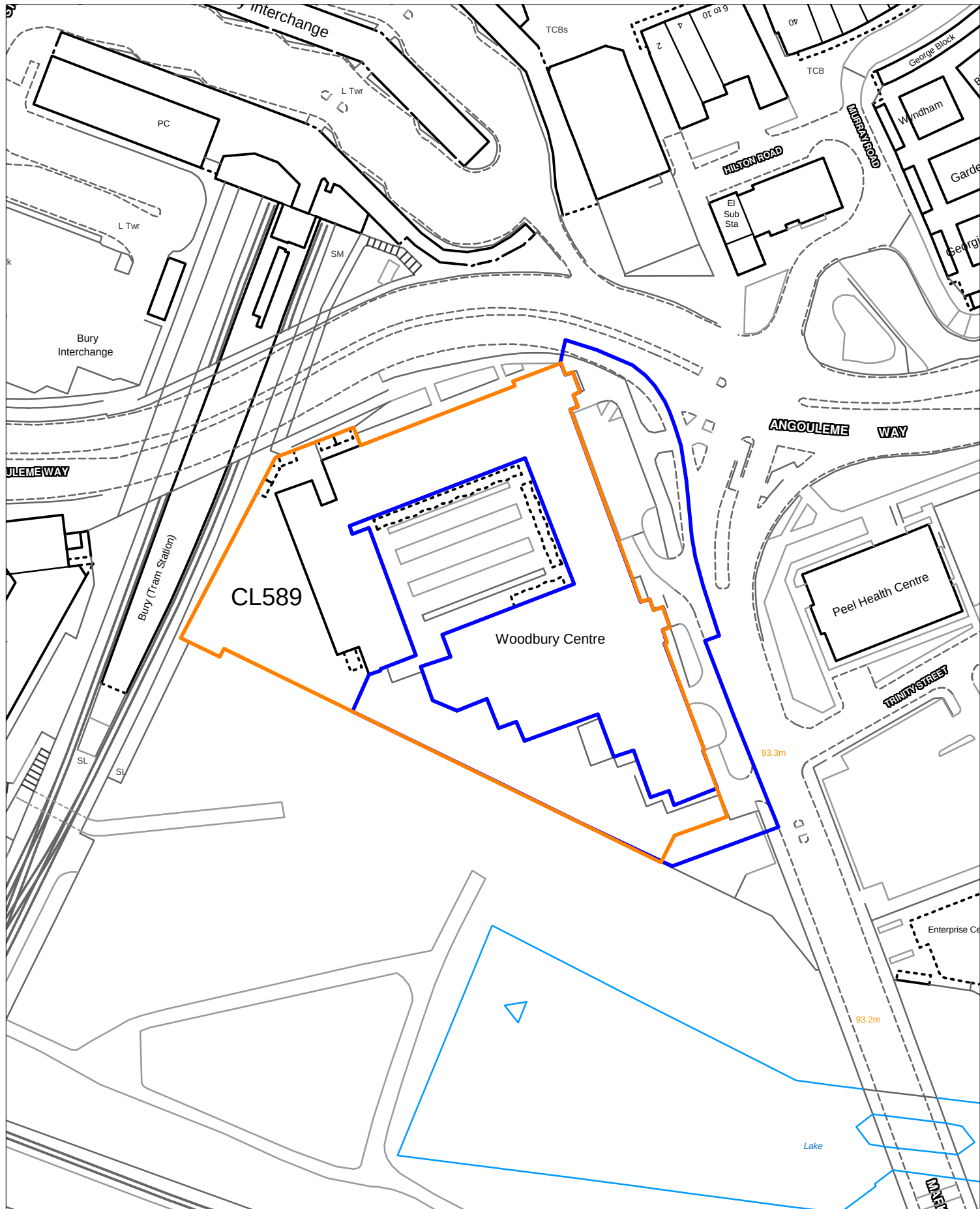
KEY:
 Site Boundary

TITLE:
 Bury College, 6 Market St, Bury, BL9 0AJ
 Current OS Map



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 Ordnance Survey 100023063.

NGR: 380475 410429
 SCALE: 1:1000 @ A4 Date: February 2023



KEY:



Site Boundary



Site Investigation Reports

TITLE:

Bury College, 6 Market St, Bury, BL9 0AJ

Site Investigation Reports

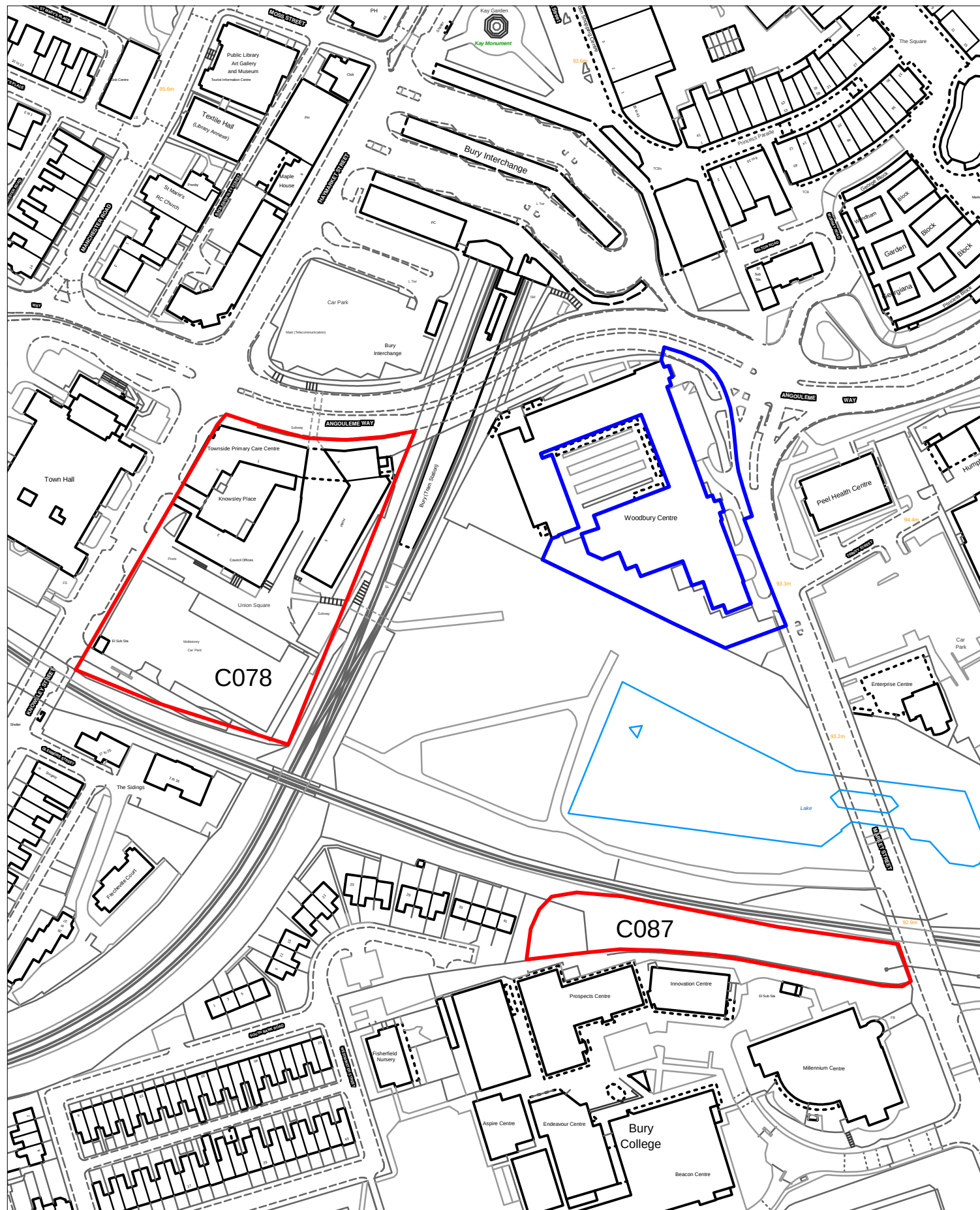
Bury
COUNCIL

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Ordnance Survey 100023063.

NGR: 380475 410429

SCALE: 1:1000 @ A4 Date: February 2023



KEY:

Site Boundary

Landfill Sites

TITLE:

Bury College, 6 Market St, Bury, BL9 0AJ

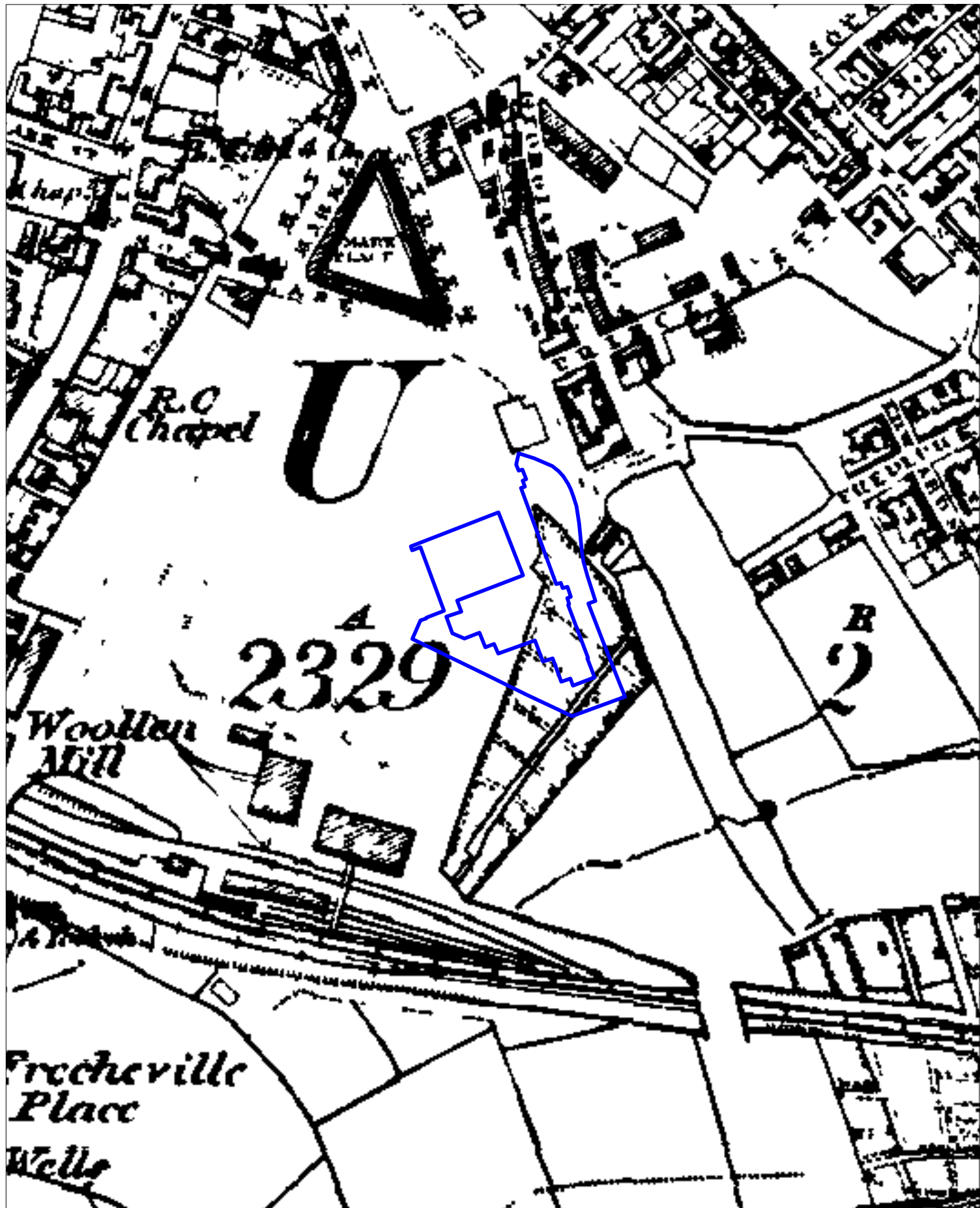
Landfill Sites



Bury
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NGR: 380475 410429
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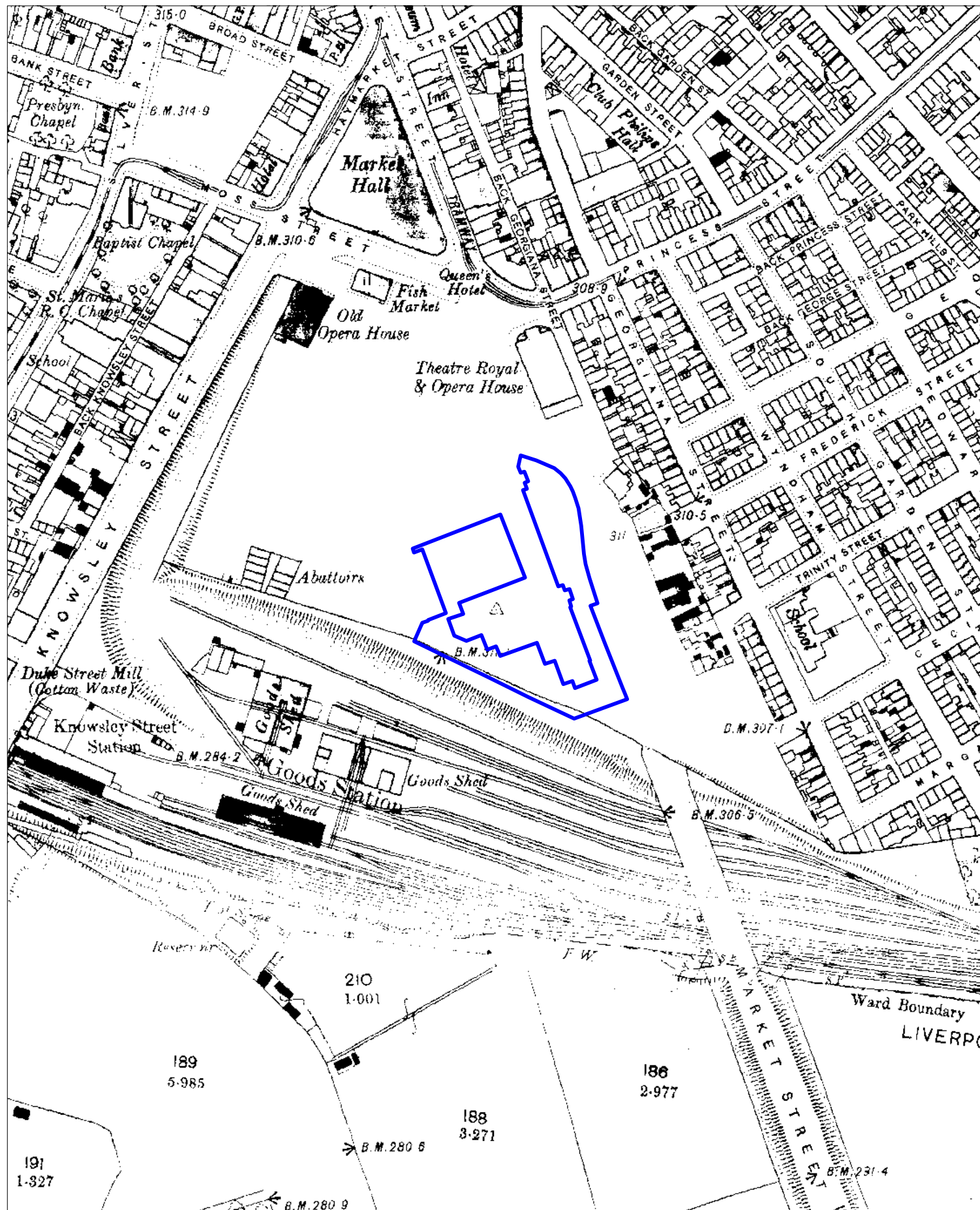
KEY:
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TITLE:
 Bury College, 6 Market St, Bury, BL9 0AJ
 1848 Historical Map



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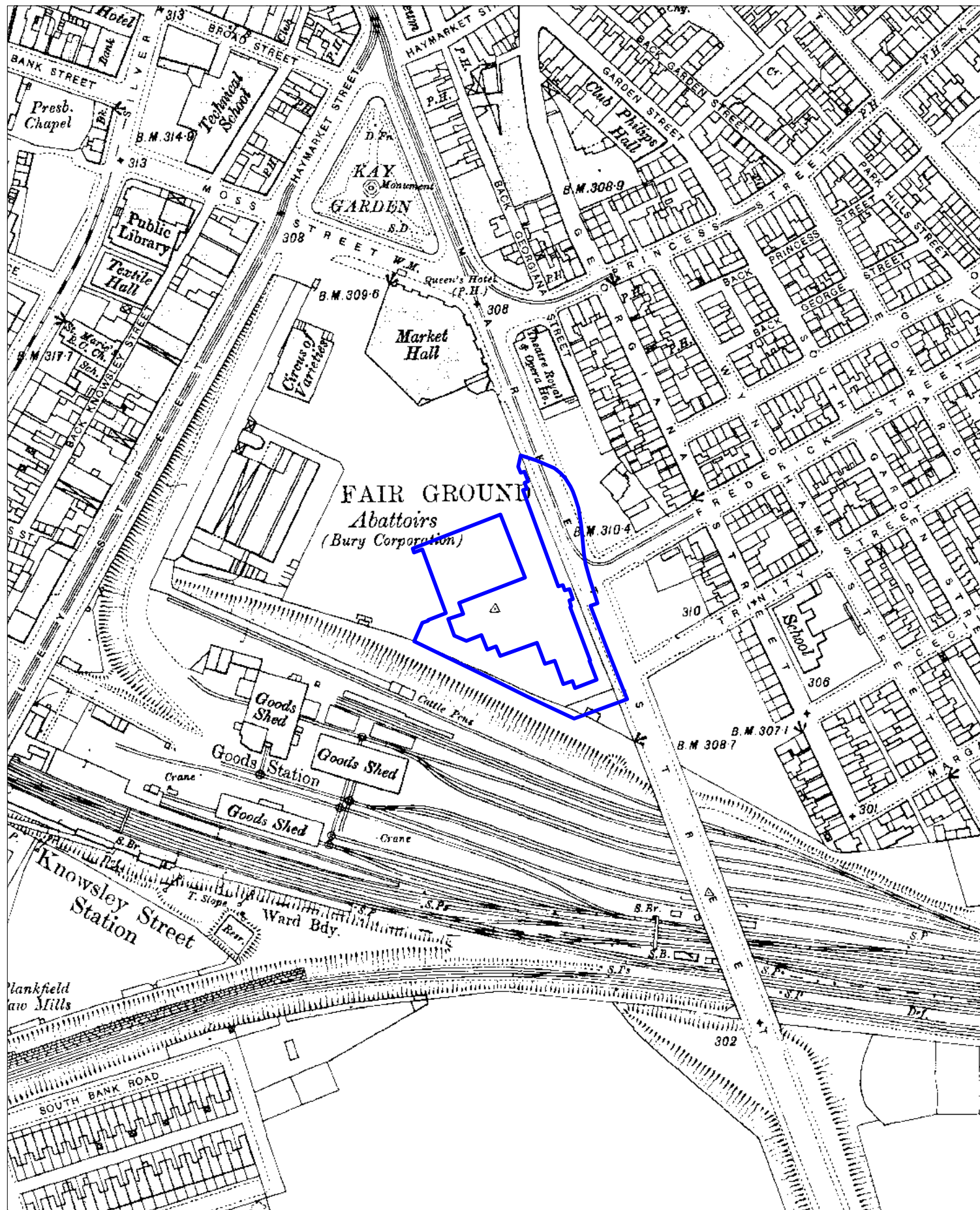
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TITLE:
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 1893 Historical Map



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NGR: 380475 410429
 SCALE: 1:2000 @ A4 Date: February 2023



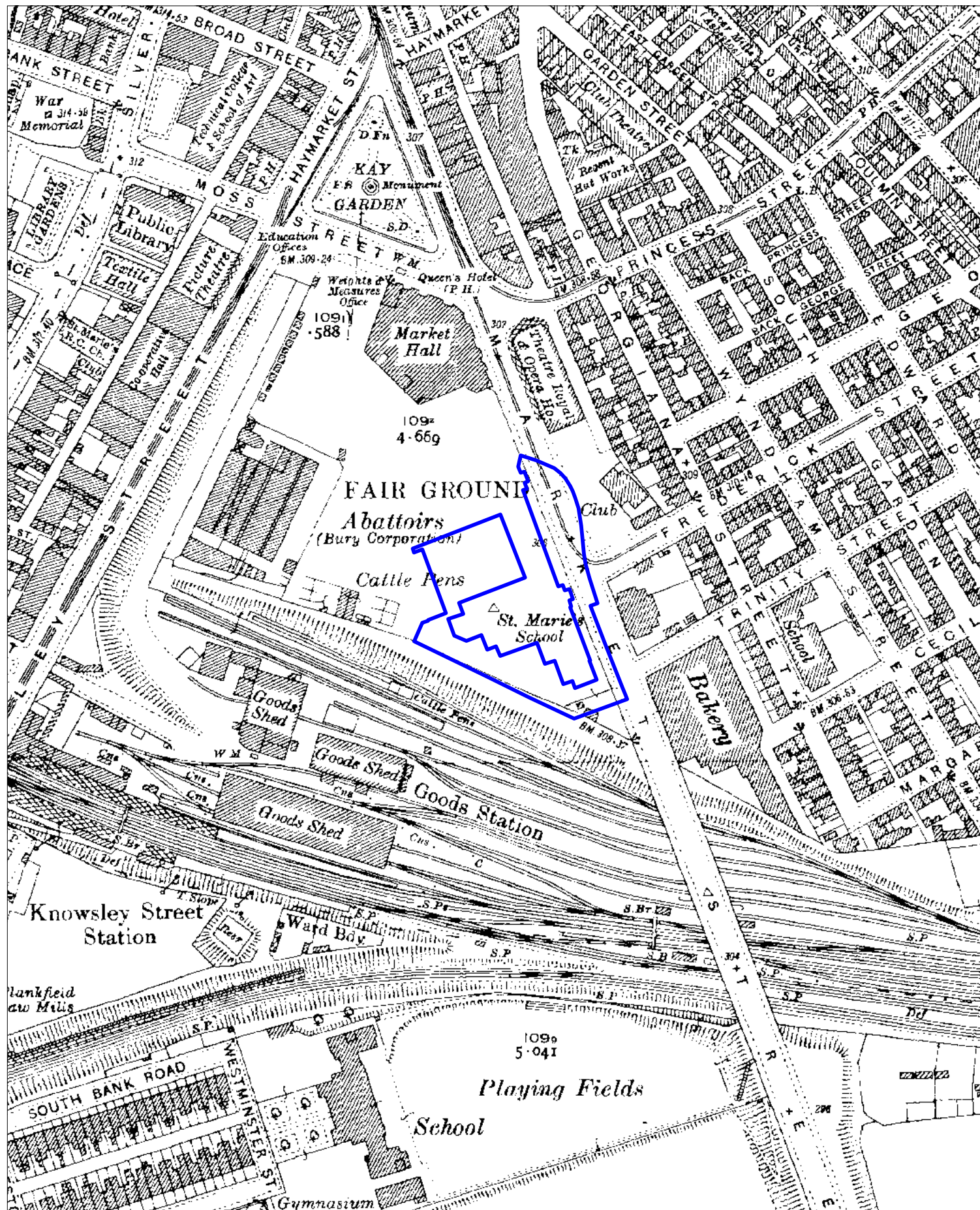
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TITLE:
 Bury College, 6 Market St, Bury, BL9 0AJ
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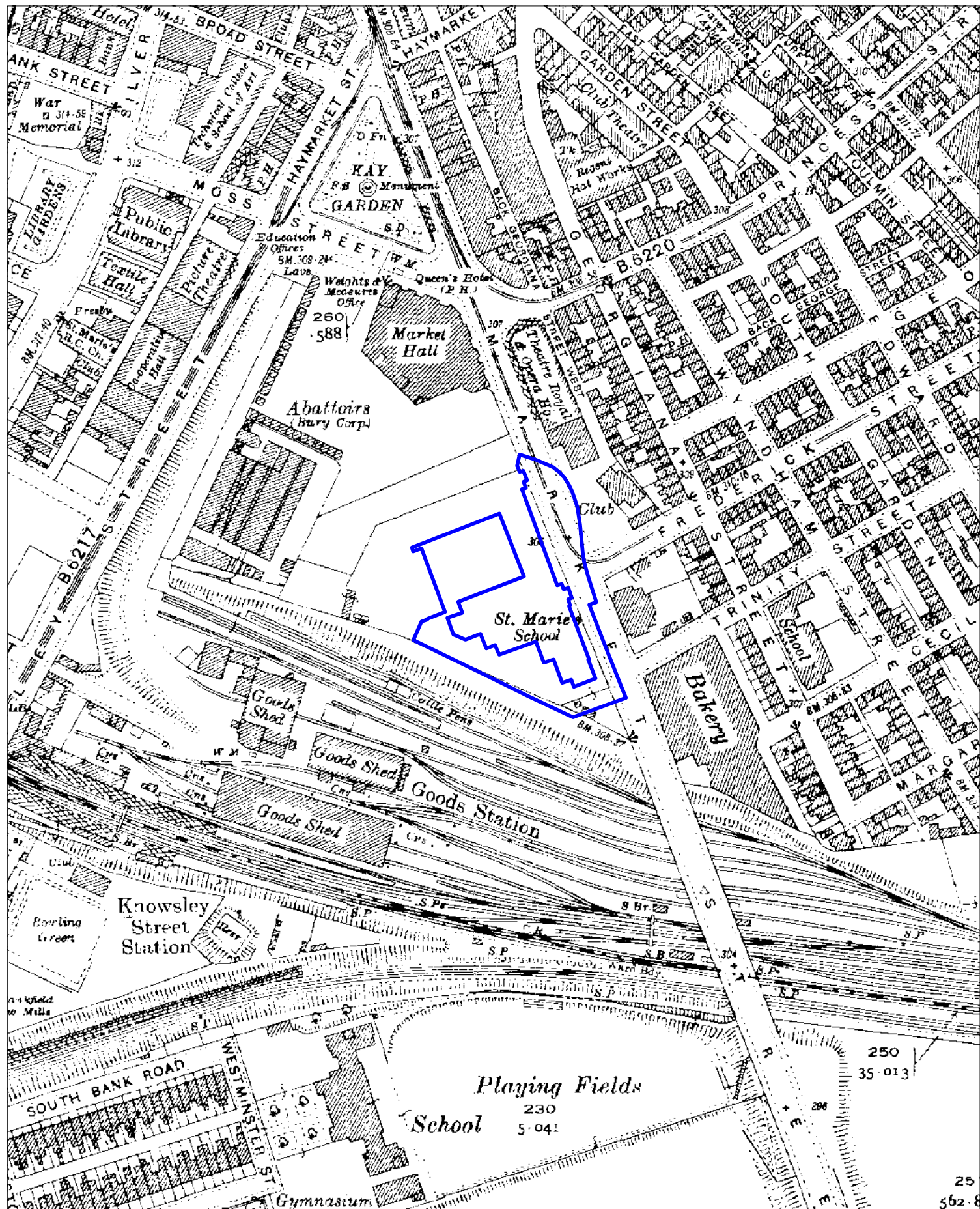
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 Bury College, 6 Market St, Bury, BL9 0AJ
 1930 Historical Map

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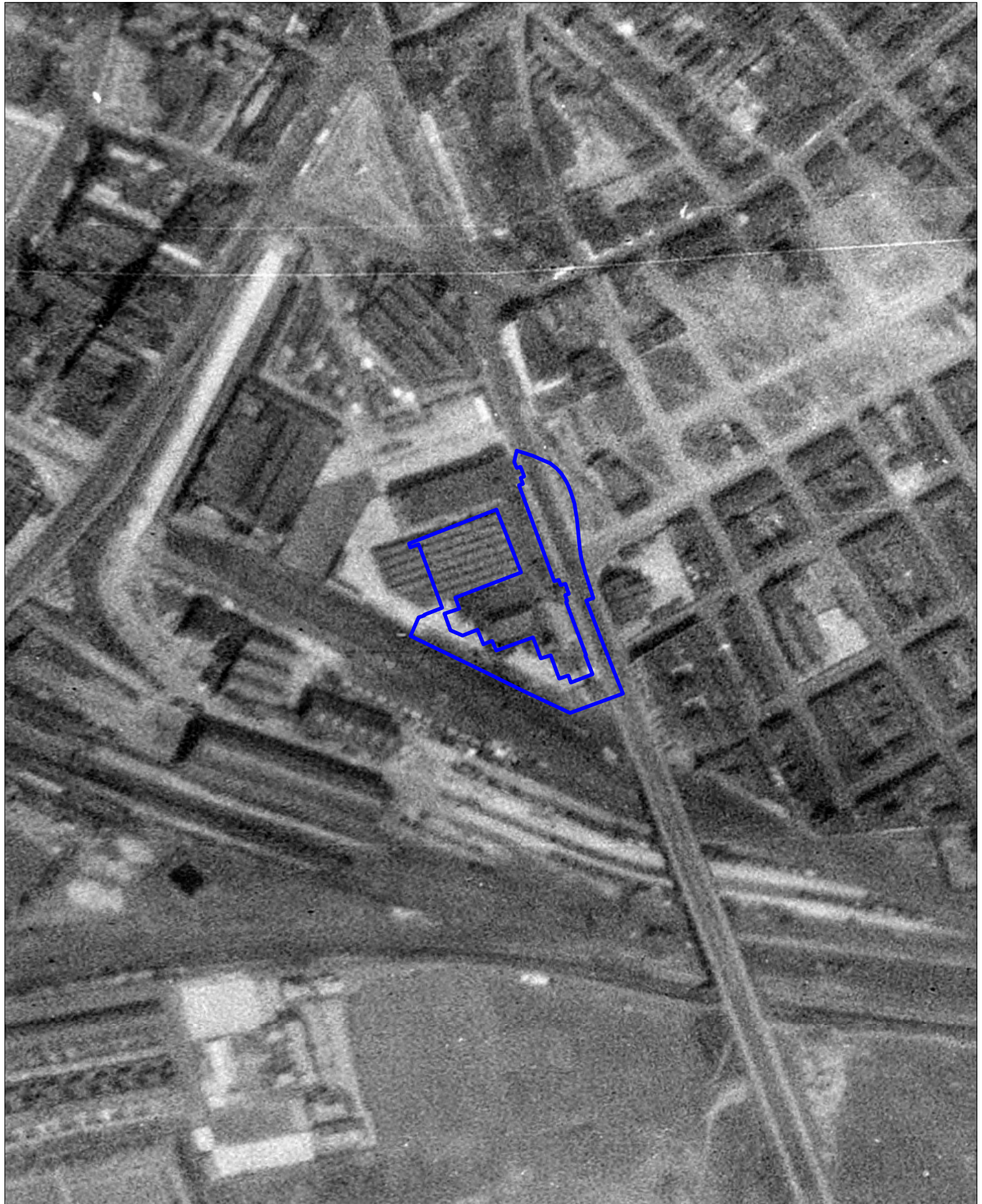
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TITLE:
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 1937 Historical Map

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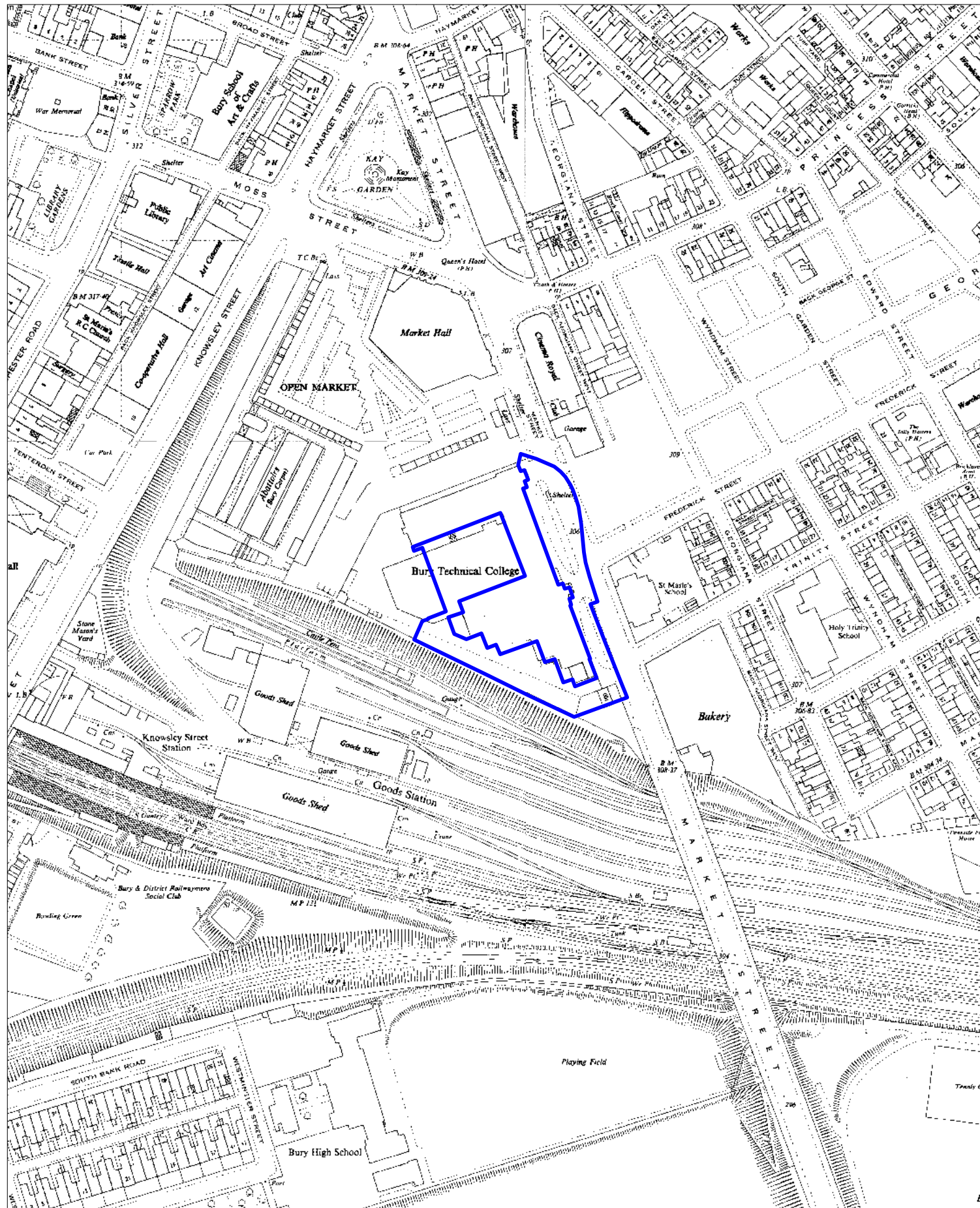
KEY:
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TITLE:
 Bury College, 6 Market St, Bury, BL9 0AJ
 1940s Historic Aerial Photograph



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NGR: 380475 410429
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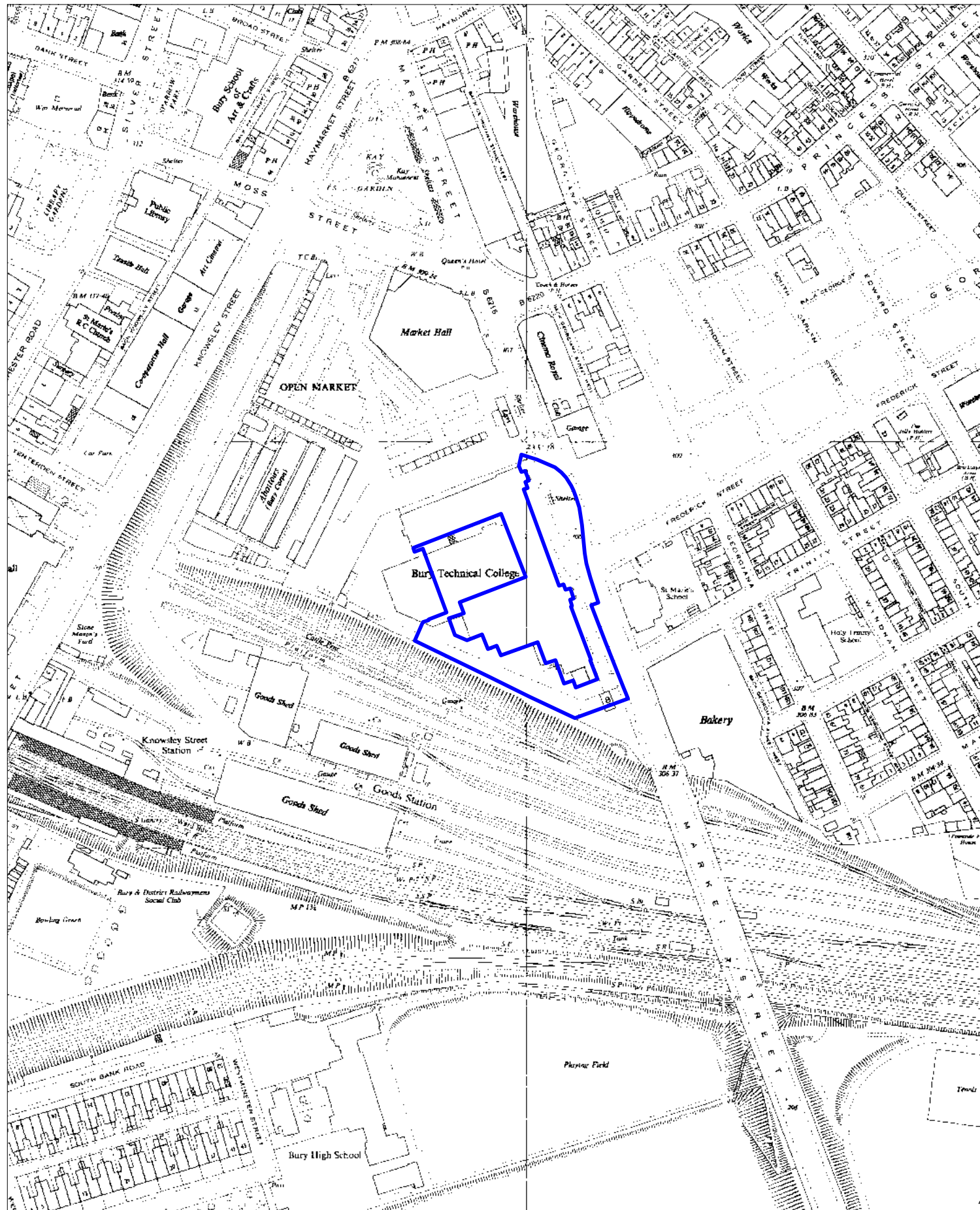
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TITLE:
 Bury College, 6 Market St, Bury, BL9 0AJ
 1958 Historical Map



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NGR: 380475 410429
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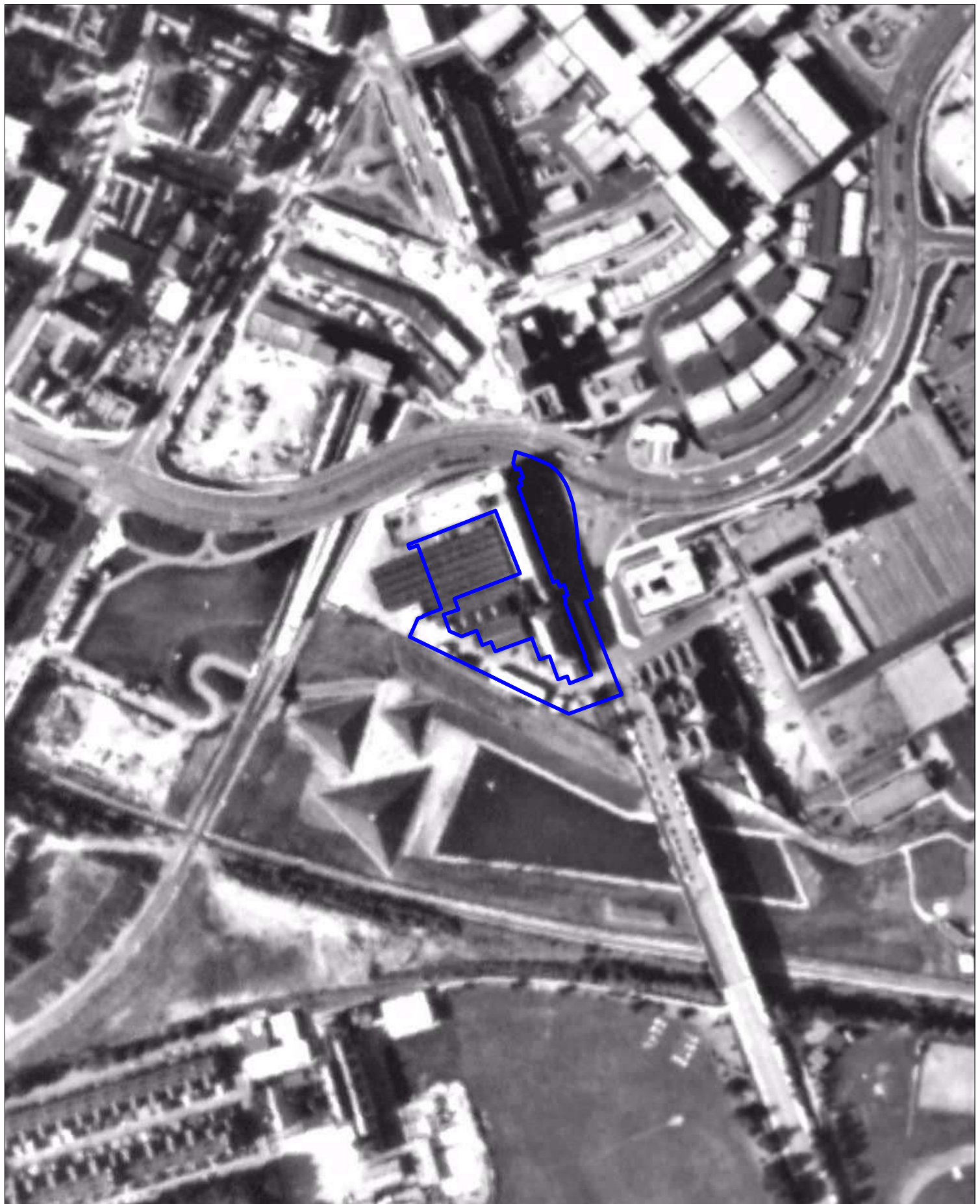
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TITLE:
 Bury College, 6 Market St, Bury, BL9 0AJ
 1959 Historical Map

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NGR: 380475 410429
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Bury
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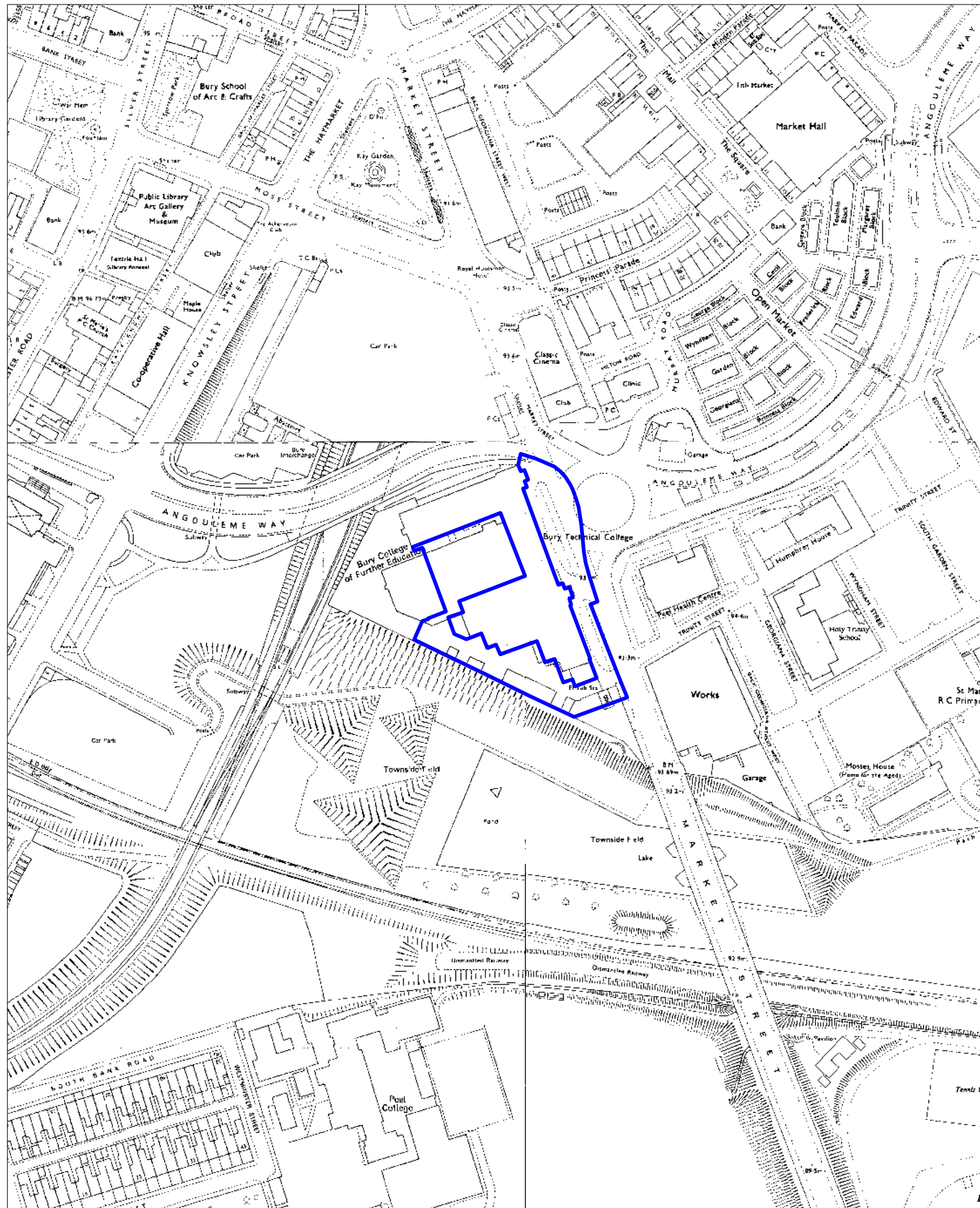
KEY:
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TITLE:
 Bury College, 6 Market St, Bury, BL9 0AJ
 1979 Historic Aerial Photograph



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NGR: 380475 410429
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KEY:
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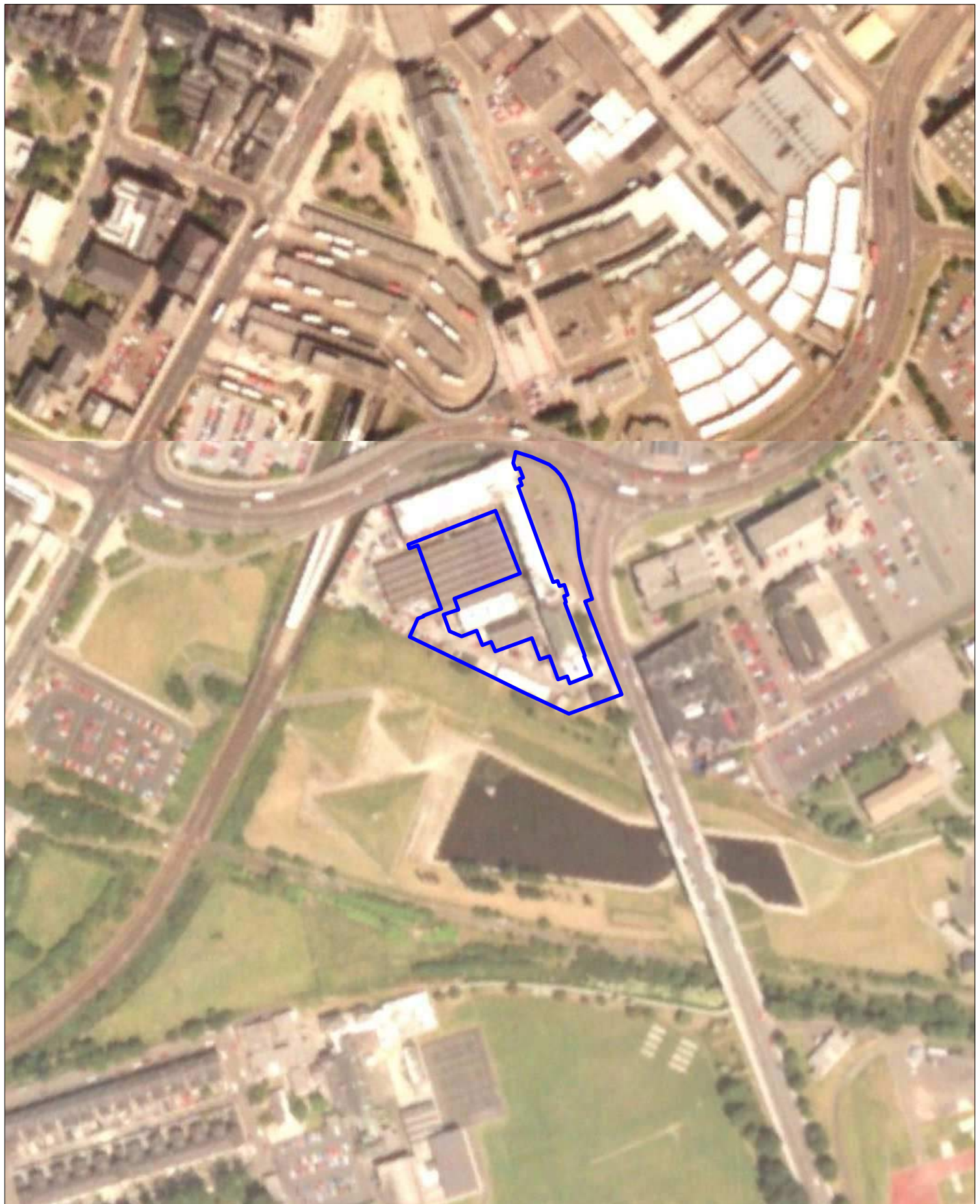
TITLE:
 Bury College, 6 Market St, Bury, BL9 0AJ

1984 Historical Map



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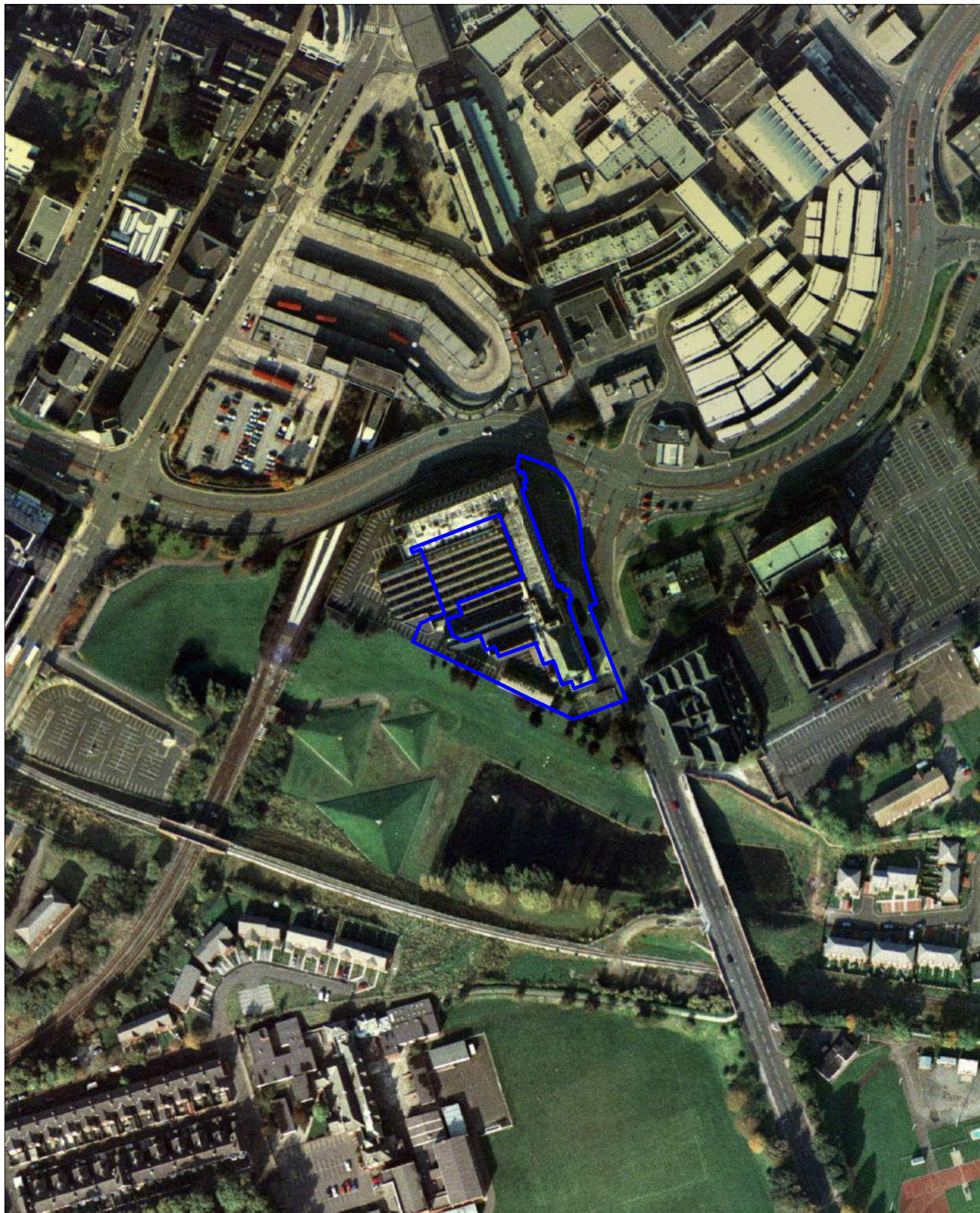
KEY:
 Site Boundary

TITLE:
 Bury College, 6 Market St, Bury, BL9 0AJ
 1989 Historic Aerial Photograph



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NGR: 380475 410429
 SCALE: 1:2000 @ A4 Date: February 2023



KEY:
 Site Boundary

TITLE:
 Bury College, 6 Market St, Bury, BL9 0AJ
 1997-9 Historic Aerial Photograph



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NGR: 380475 410429
 SCALE: 1:2000 @ A4 Date: February 2023



KEY:



Site Boundary

TITLE:

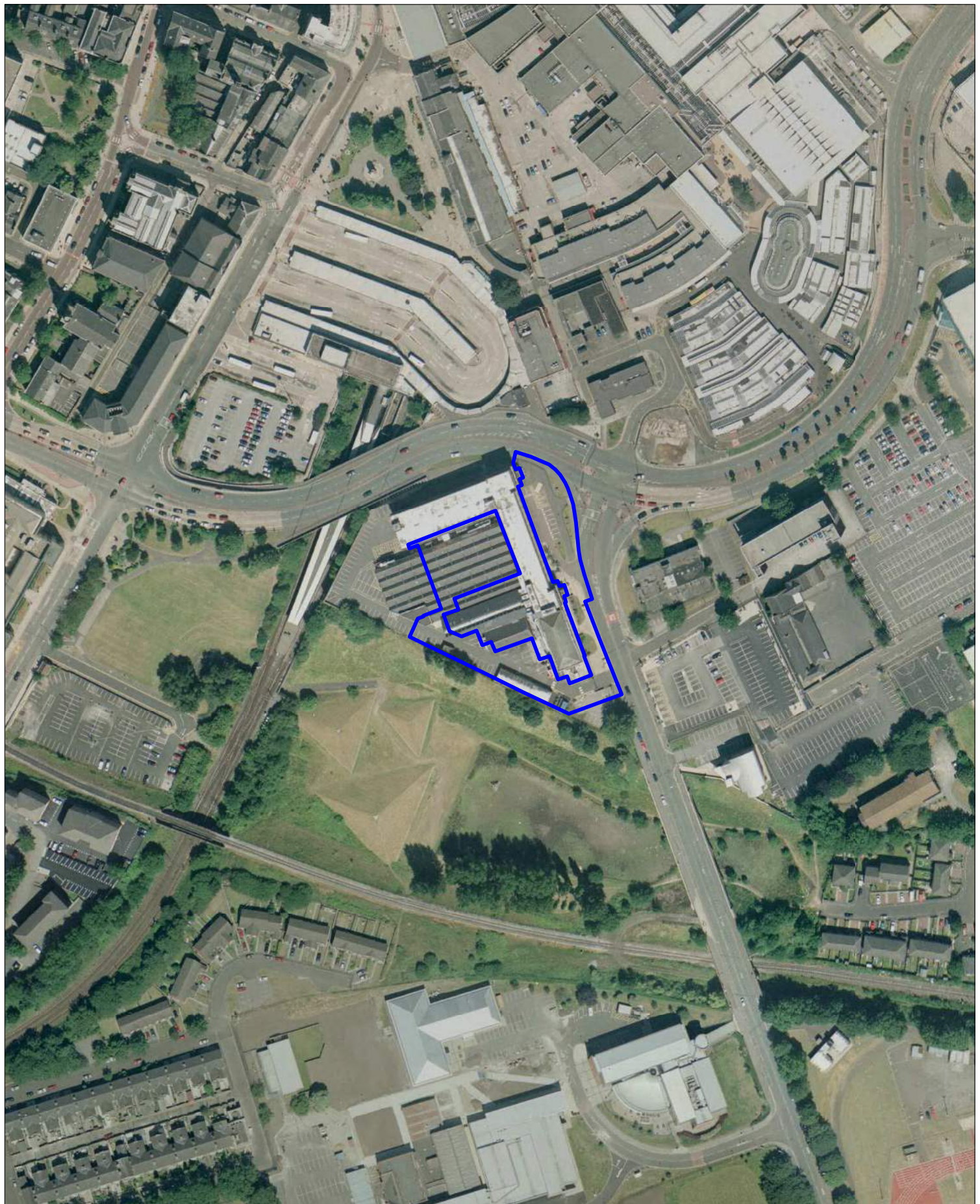
Bury College, 6 Market St, Bury, BL9 0AJ

2000 Historic Aerial Photograph

Bury
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NGR: 380475 410429
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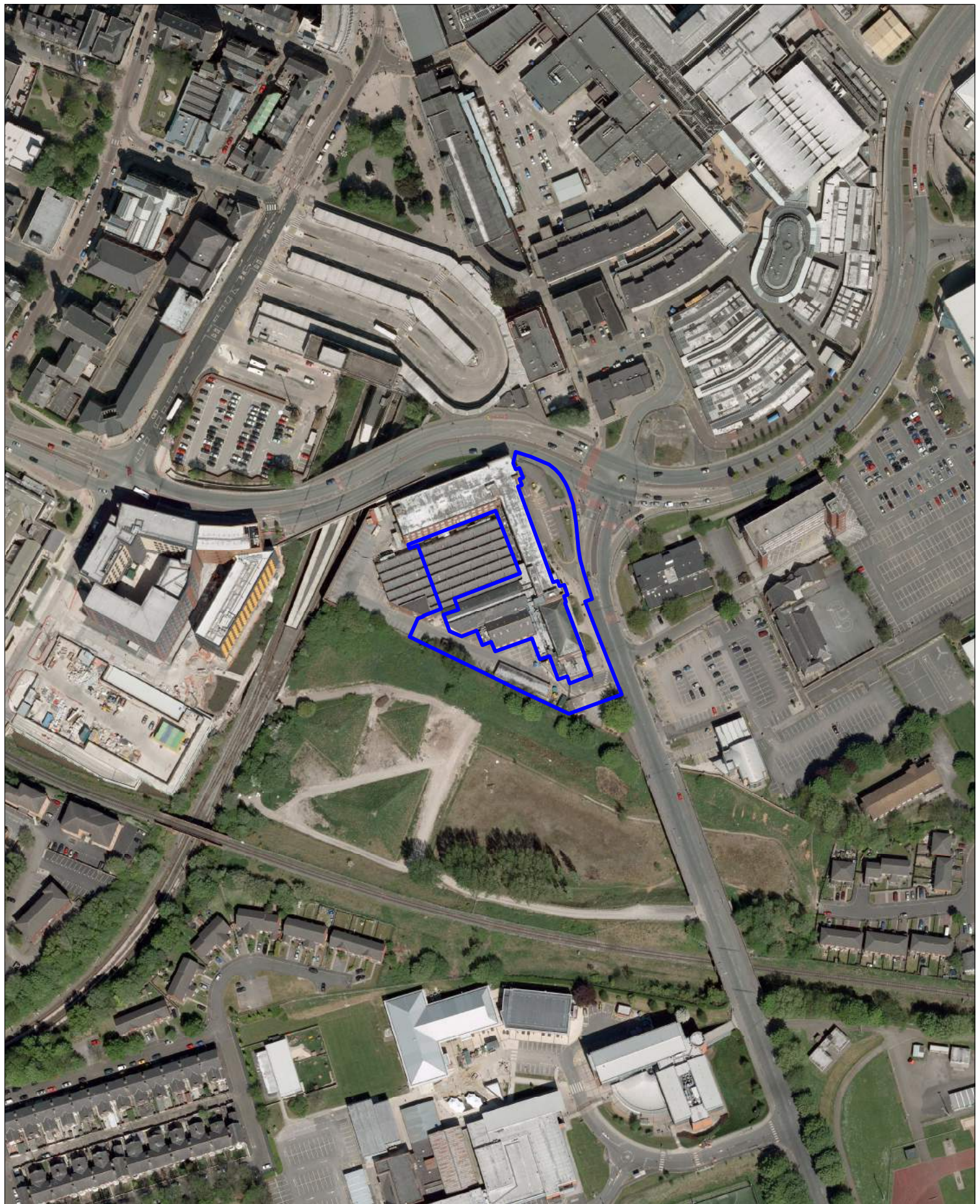
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TITLE:
 Bury College, 6 Market St, Bury, BL9 0AJ
 2005-6 Historic Aerial Photograph



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NGR: 380475 410429
 SCALE: 1:2000 @ A4 Date: February 2023



KEY:
 Site Boundary

TITLE:
 Bury College, 6 Market St, Bury, BL9 0AJ
 2011 Historic Aerial Photograph

Bury
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NGR: 380475 410429
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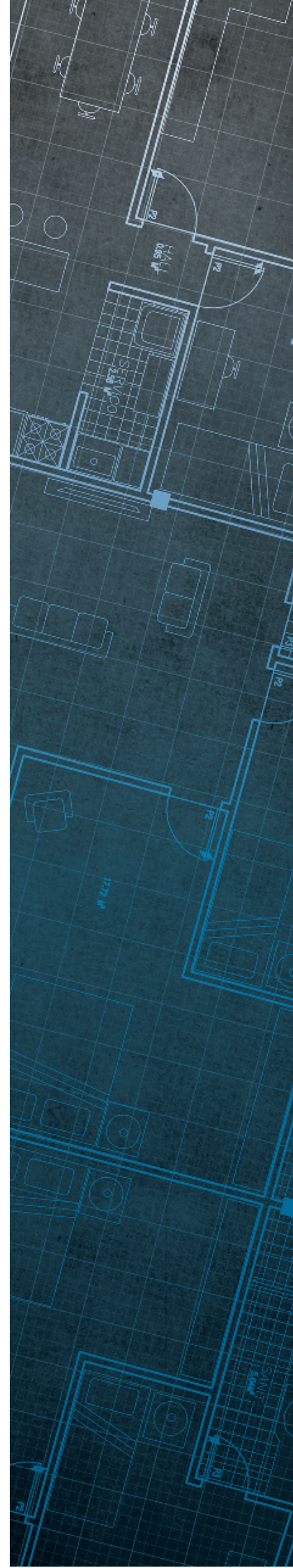


The Coal
Authority

Consultants Coal Mining Report

Woodbury Centre, Bury College
Greater Manchester
BL9 0BG

Date of enquiry:	14 February 2023
Date enquiry received:	14 February 2023
Issue date:	14 February 2023
Our reference:	51003338830001
Your reference:	307184673_2



Consultants

Coal Mining Report

This report is based on and limited to the records held by the Coal Authority at the time the report was produced.

Client name

NLIS Hub

Enquiry address

Woodbury Centre, Bury College
Greater Manchester
BL9 0BG

How to contact us

0345 762 6848 (UK)
+44 (0)1623 637 000 (International)

200 Lichfield Lane
Mansfield
Nottinghamshire
NG18 4RG

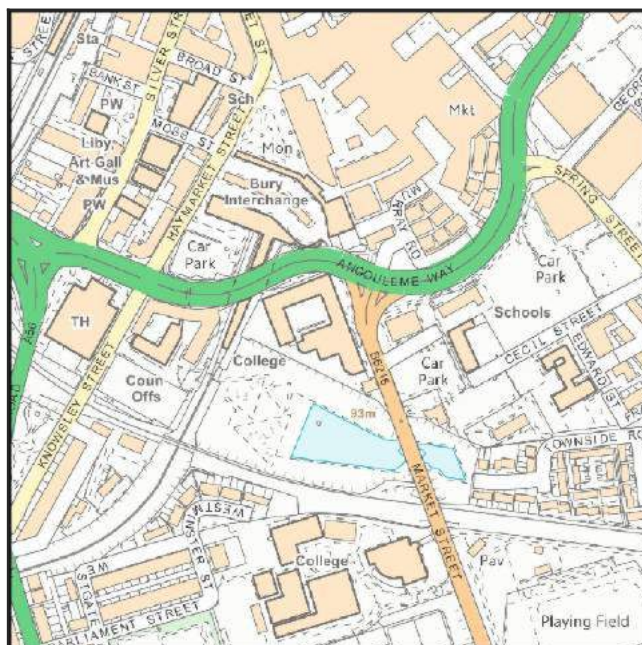
www.groundstability.com

 @coalauthority

 /company/the-coal-authority

 /thecoalauthority

 /thecoalauthority



Approximate position of property



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Section 1 – Mining activity and geology

Past underground mining

No past mining recorded.

Probable unrecorded shallow workings

None.

Spine roadways at shallow depth

No spine roadway recorded at shallow depth.

Mine entries

None recorded within 100 metres of the enquiry boundary.

Abandoned mine plan catalogue numbers

The following abandoned mine plan catalogue numbers intersect with some, or all, of the enquiry boundary:

16820		
-------	--	--

Please contact us on 0345 762 6848 to determine the exact abandoned mine plans you require based on your needs.

Outcrops

No outcrops recorded.

Geological faults, fissures and breaklines

No faults, fissures or breaklines recorded.

Opencast mines

None recorded within 500 metres of the enquiry boundary.

Coal Authority managed tips

None recorded within 500 metres of the enquiry boundary.

Section 2 – Investigative or remedial activity

Please refer to the 'Summary of findings' map (on separate sheet) for details of any activity within the area of the site boundary.

Site investigations

None recorded within 50 metres of the enquiry boundary.

Remediated sites

None recorded within 50 metres of the enquiry boundary.

Coal mining subsidence

The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres of the enquiry boundary, since 31 October 1994.

There is no current Stop Notice delaying the start of remedial works or repairs to the property.

The Coal Authority is not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.

Mine gas

None recorded within 500 metres of the enquiry boundary.

Mine water treatment schemes

None recorded within 500 metres of the enquiry boundary.

Section 3 – Licensing and future mining activity

Future underground mining

None recorded.

Coal mining licensing

None recorded within 200 metres of the enquiry boundary.

Court orders

None recorded.

Section 46 notices

No notices have been given, under section 46 of the Coal Mining Subsidence Act 1991, stating that the land is at risk of subsidence.

Withdrawal of support notices

The property is not in an area where a notice to withdraw support has been given.

The property is not in an area where a notice has been given under section 41 of the Coal Industry Act 1994, cancelling the entitlement to withdraw support.

Payments to owners of former copyhold land

The property is not in an area where a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

Section 4 – Further information

Based on the responses in this report, no further information has been highlighted.

Future development

If development proposals are being considered, technical advice relating to both the investigation of coal and former coal mines and their treatment should be obtained before beginning work on site. All proposals should apply specialist engineering practice required for former mining areas. No development should be undertaken that intersects, disturbs or interferes with any coal or coal mines without first obtaining the permission of the Coal Authority.

MINE GAS: Please note, if there are no recorded instances of mine gas within 500m of the enquiry boundary, this does not mean that mine gas is not present within the vicinity. The Coal Authority Mine Gas data is limited to only those sites where a Mine Gas incident has been recorded. Developers should be aware that the investigation of coal seams, mine workings or mine entries may have the potential to generate and/or displace underground gases. Associated risks both to the development site and any neighbouring land or properties should be fully considered when undertaking any ground works. The need for effective measures to prevent gases migrating onto any land or into any properties, either during investigation or remediation work, or after development must also be assessed and properly addressed. In these instances, the Coal Authority recommends that a more detailed Gas Risk Assessment is undertaken by a competent assessor.

Section 5 – Data definitions

The datasets used in this report have limitations and assumptions within their results. For more guidance on the data and the results specific to the enquiry boundary, please **call us on 0345 762 6848** or **email us at groundstability@coal.gov.uk**.

Past underground coal mining

Details of all recorded underground mining relative to the enquiry boundary. Only past underground workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination, will be included.

Probable unrecorded shallow workings

Areas where the Coal Authority believes there to be unrecorded coal workings that exist at or close to the surface (less than 30 metres deep).

Spine roadways at shallow depth

Connecting roadways either, working to working, or, surface to working, both in-seam and cross measures that exist at or close to the surface (less than 30 metres deep), either within or within 10 metres of the enquiry boundary.

Mine entries

Details of any shaft or adit either within, or within 100 metres of the enquiry boundary including approximate location, brief treatment details where known, the mineral worked from the mine entry and conveyance details where the mine entry has previously been sold by the Authority or its predecessors British Coal or the National Coal Board.

Abandoned mine plan catalogue numbers

Plan numbers extracted from the abandoned mines catalogue containing details of coal and other mineral abandonment plans deposited via the Mines Inspectorate in accordance with the Coal Mines Regulation Act and Metalliferous Mines Regulation Act 1872. A maximum of 9 plan extents that intersect with the enquiry boundary will be included. This does not infer that the workings and/or mine entries shown on the abandonment plan will be relevant to the site/property boundary.

Outcrops

Details of seam outcrops will be included where the enquiry boundary intersects with a conjectured or actual seam outcrop location (derived by either the British Geological Survey or the Coal Authority) or intersects with a defined 50 metres buffer on the coal (dip) side of the outcrop. An indication of whether the Coal Authority believes the seam to be of sufficient thickness and/or quality to have been worked will also be included.

Geological faults, fissures and breaklines

Geological disturbances or fractures in the bedrock. Surface fault lines (British Geological Survey derived data) and fissures and breaklines (Coal Authority derived data) intersecting with the enquiry boundary will be included. In some circumstances faults, fissures or breaklines have been known to contribute to surface subsidence damage as a consequence of underground coal mining.

Opencast mines

Opencast coal sites from which coal has been removed in the past by opencast (surface) methods and where the enquiry boundary is within 500 metres of either the licence area, site boundary, excavation area (high wall) or coaling area.

Coal Authority managed tips

Locations of disused colliery tip sites owned and managed by the Coal Authority, located within 500 metres of the enquiry boundary.

Site investigations

Details of site investigations within 50 metres of the enquiry boundary where the Coal Authority has received information relating to coal mining risk investigation and/or remediation by third parties.

Remediated sites

Sites where the Coal Authority has undertaken remedial works either within or within 50 metres of the enquiry boundary following report of a hazard relating to coal mining under the Coal Authority's Emergency Surface Hazard Call Out procedures.

Coal mining subsidence

Details of alleged coal mining subsidence claims made since 31 October 1994 either within or within 50 metres of the enquiry boundary. Where the claim relates to the enquiry boundary confirmation of whether the claim was accepted, rejected or whether liability is still being determined will be given. Where the claim has been discharged, whether this was by repair, payment of compensation or a combination of both, the value of the claim, where known, will also be given.

Details of any current 'Stop Notice' deferring remedial works or repairs affecting the property/site, and if so the date of the notice.

Details of any request made to execute preventative works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991. If yes, whether any person withheld consent or failed to comply with any request to execute preventative works.

Mine gas

Reports of alleged mine gas emissions received by the Coal Authority, either within or within 500 metres of the enquiry boundary that subsequently required investigation and action by the Coal Authority to mitigate the effects of the mine gas emission. Please note, if there are no recorded instances of mine gas reported, this does not mean that mine gas is not present within the vicinity. The Coal Authority Mine Gas data is limited to only those sites where a Mine Gas incident has been recorded.

Mine water treatment schemes

Locations where the Coal Authority has constructed or operates assets that remove pollutants from mine water prior to the treated mine water being discharged into the receiving water body.

These schemes are part of the UK's strategy to meet the requirements of the Water Framework Directive. Schemes fall into 2 basic categories: Remedial – mitigating the impact of existing pollution or Preventative – preventing a future pollution incident.

Mine water treatment schemes generally consist of one or more primary settlement lagoons and one or more reed beds for secondary treatment. A small number are more specialised process treatment plants.

Future underground mining

Details of all planned underground mining relative to the enquiry boundary. Only those future workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination will be included.

Coal mining licensing

Details of all licenses issued by the Coal Authority either within or within 200 metres of the enquiry boundary in relation to the under taking of surface coal mining, underground coal mining or underground coal gasification.

Court orders

Orders in respect of the working of coal under the Mines (Working Facilities and Support) Acts of 1923 and 1966 or any statutory modification or amendment thereof.

Section 46 notices

Notice of proposals relating to underground coal mining operations that have been given under section 46 of the Coal Mining Subsidence Act 1991.

Withdrawal of support notices

Published notices of entitlement to withdraw support and the date of the notice. Details of any revocation notice withdrawing the entitlement to withdraw support given under Section 41 of the Coal Industry Act 1994.

Payment to owners of former copyhold land

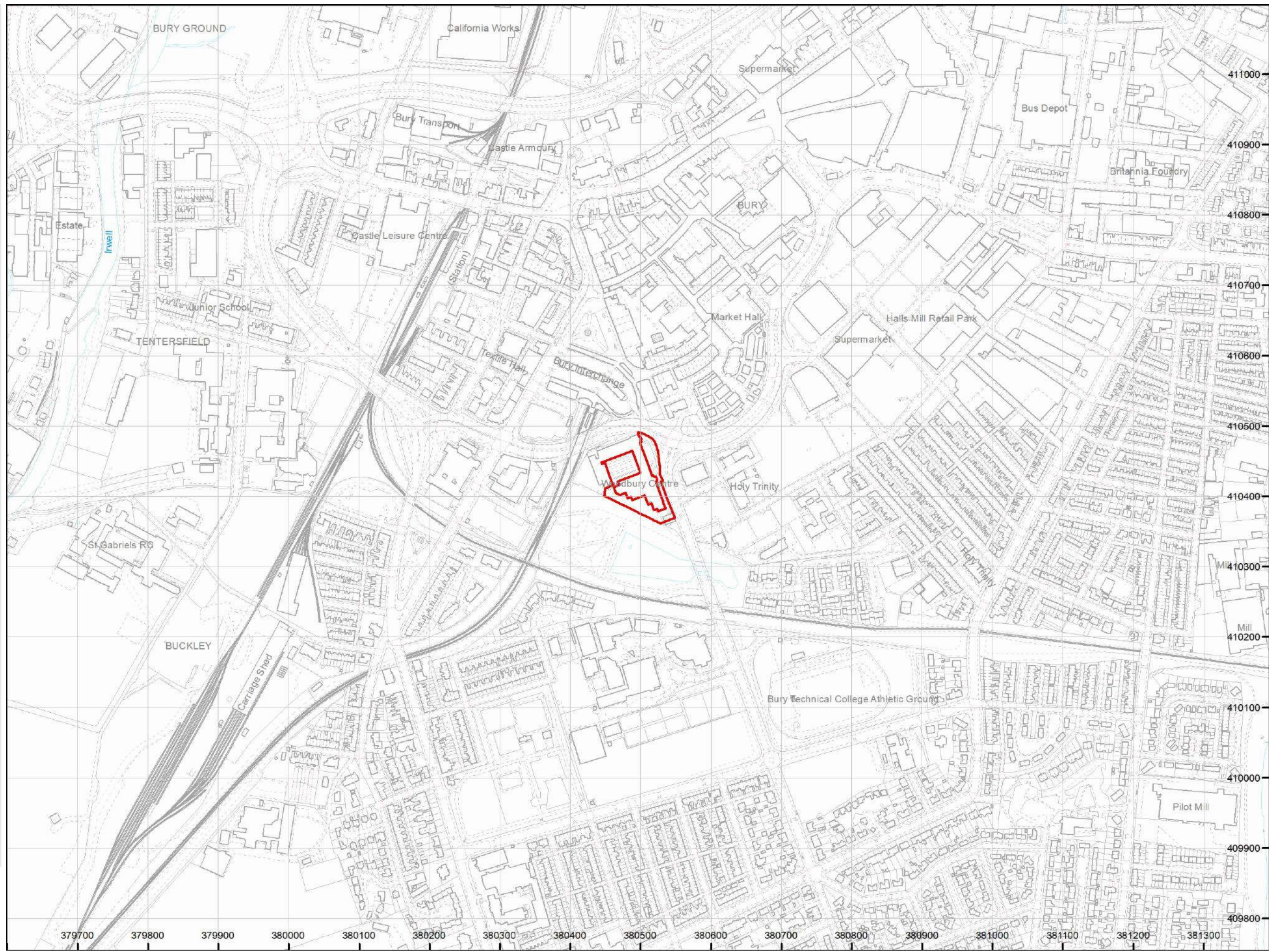
Relevant notices which may affect the property and any subsequent notice of retained interests in coal and coal mines, acceptance or rejection notices and whether any compensation has been paid to a claimant.

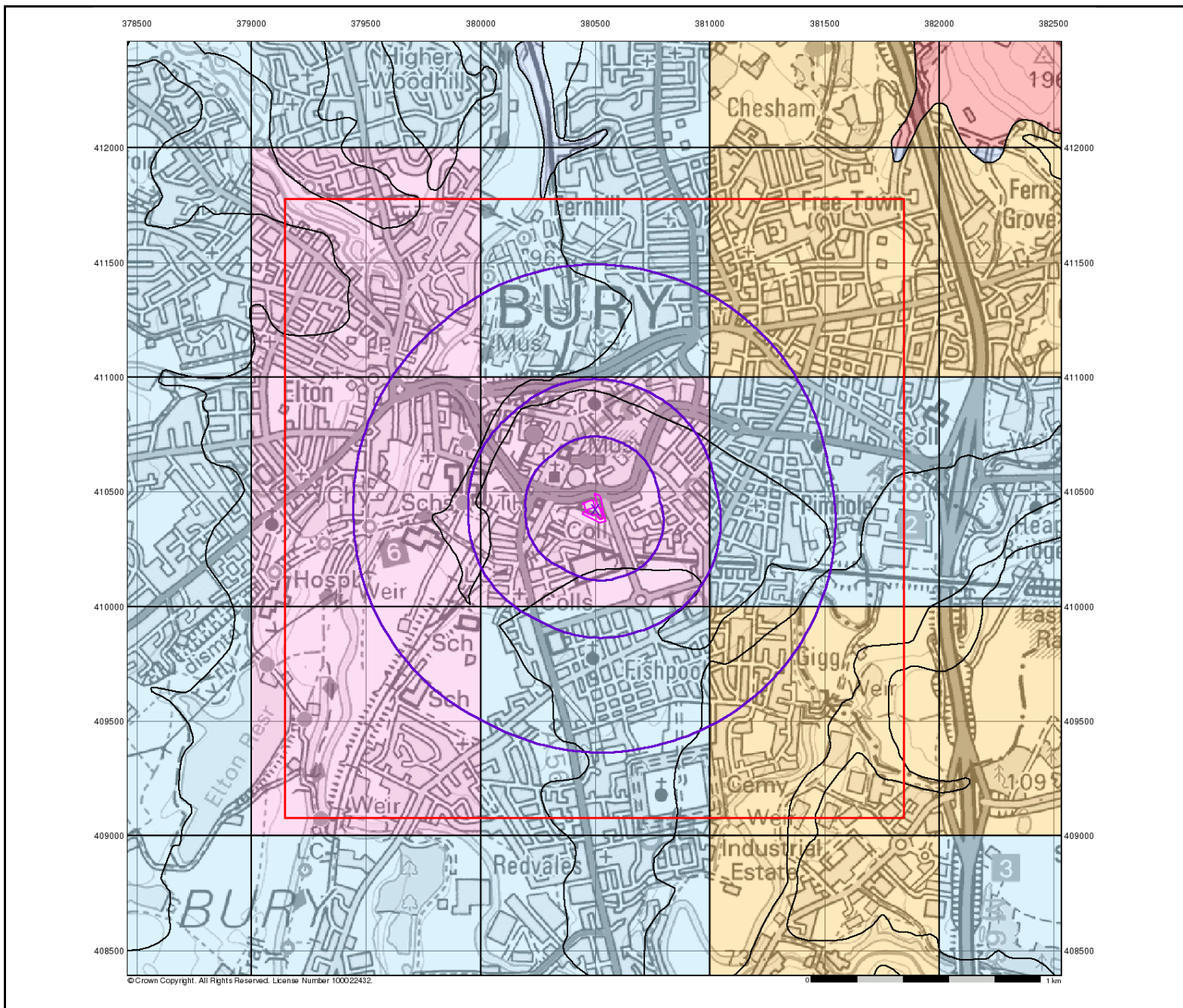
The map highlights any specific surface or subsurface features within or near to the boundary of the site.

Key

Approximate position of the enquiry boundary shown 

How to contact us
0345 762 6848 (UK)
+44 (0)1623 637 000 (International)
www.groundstability.com





Envirocheck[®]

LANDMARK INFORMATION GROUP[®]

Groundwater Vulnerability

General

Specified Site Specified Buffer(s) Bearing Reference Point

Slice Map ID

Agency and Hydrological

Bedrock Aquifers	Superficial Aquifers
High Vulnerability, Principal Aquifer	High Vulnerability, Principal Aquifer
High Vulnerability, Secondary Aquifer	High Vulnerability, Secondary Aquifer
Medium Vulnerability, Principal Aquifer	Medium Vulnerability, Principal Aquifer
Medium Vulnerability, Secondary Aquifer	Medium Vulnerability, Secondary Aquifer
Low Vulnerability, Principal Aquifer	Low Vulnerability, Principal Aquifer
Low Vulnerability, Secondary Aquifer	Low Vulnerability, Secondary Aquifer

Unproductive Aquifer

Soluble Rock

Site Sensitivity Context Map - Slice A

Order Details

Order Number: 307184673_1_1

Customer Ref: WIE17762-102

National Grid Reference: 380500, 410420

Slice: A

Site Area (Ha): 0.48

Search Buffer (m): 1000

Site Details

Woodbury Centre, Bury College, Market Street, BURY, BL9 0BG

Landmark[®]

INFORMATION GROUP

Tel: 0844 844 9952

Fax: 0844 844 9951

Web: www.envirocheck.co.uk

A Landmark Information Group Service v15.0 14-Feb-2023

Page 1 of 6

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412000

411500

411000

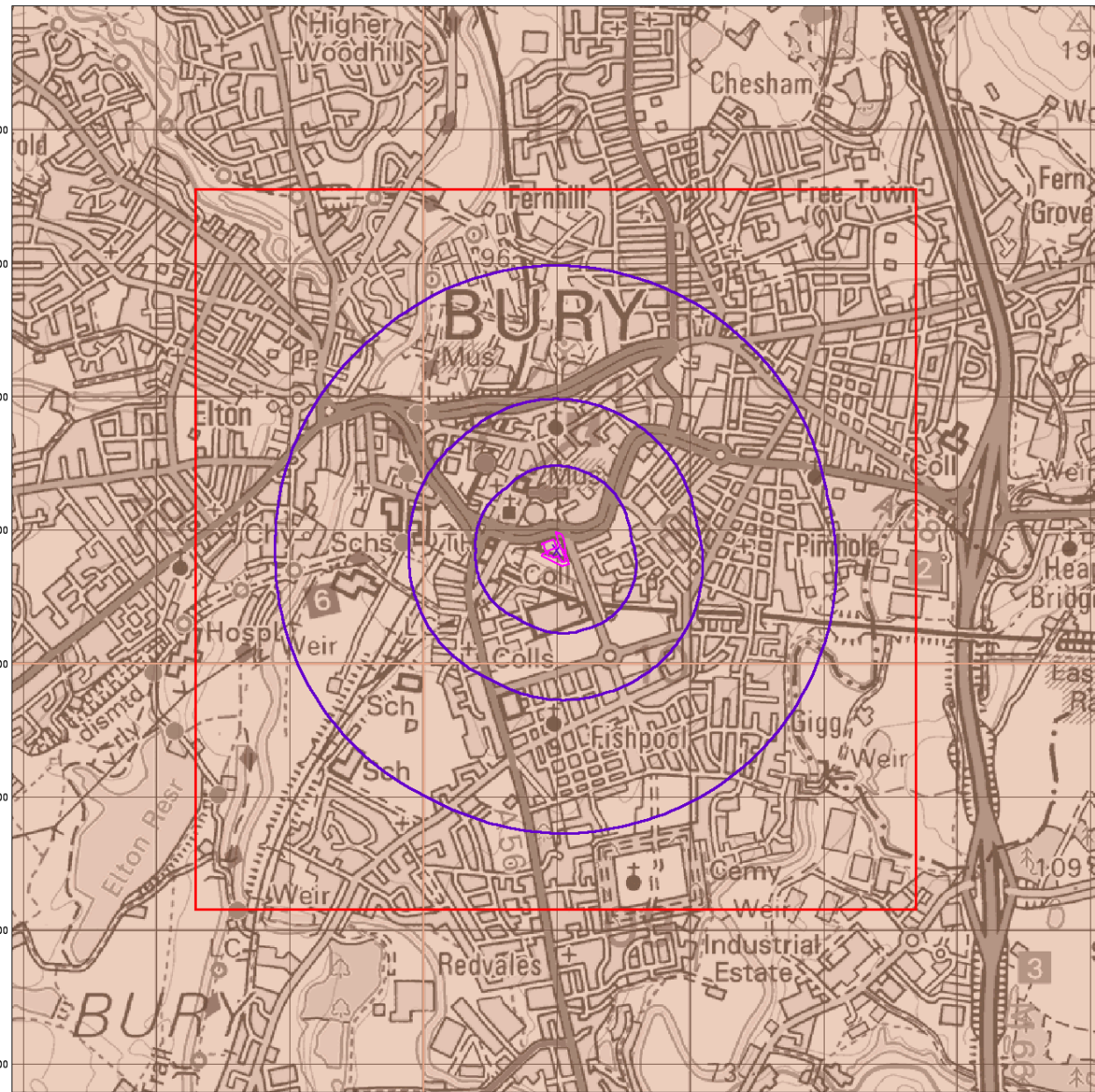
410500

410000

409500

409000

408500



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Bedrock Aquifer Designation

General

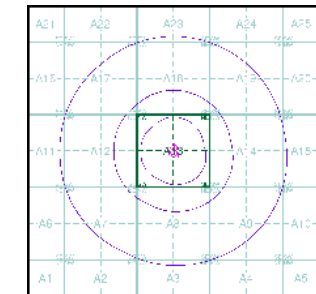
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

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

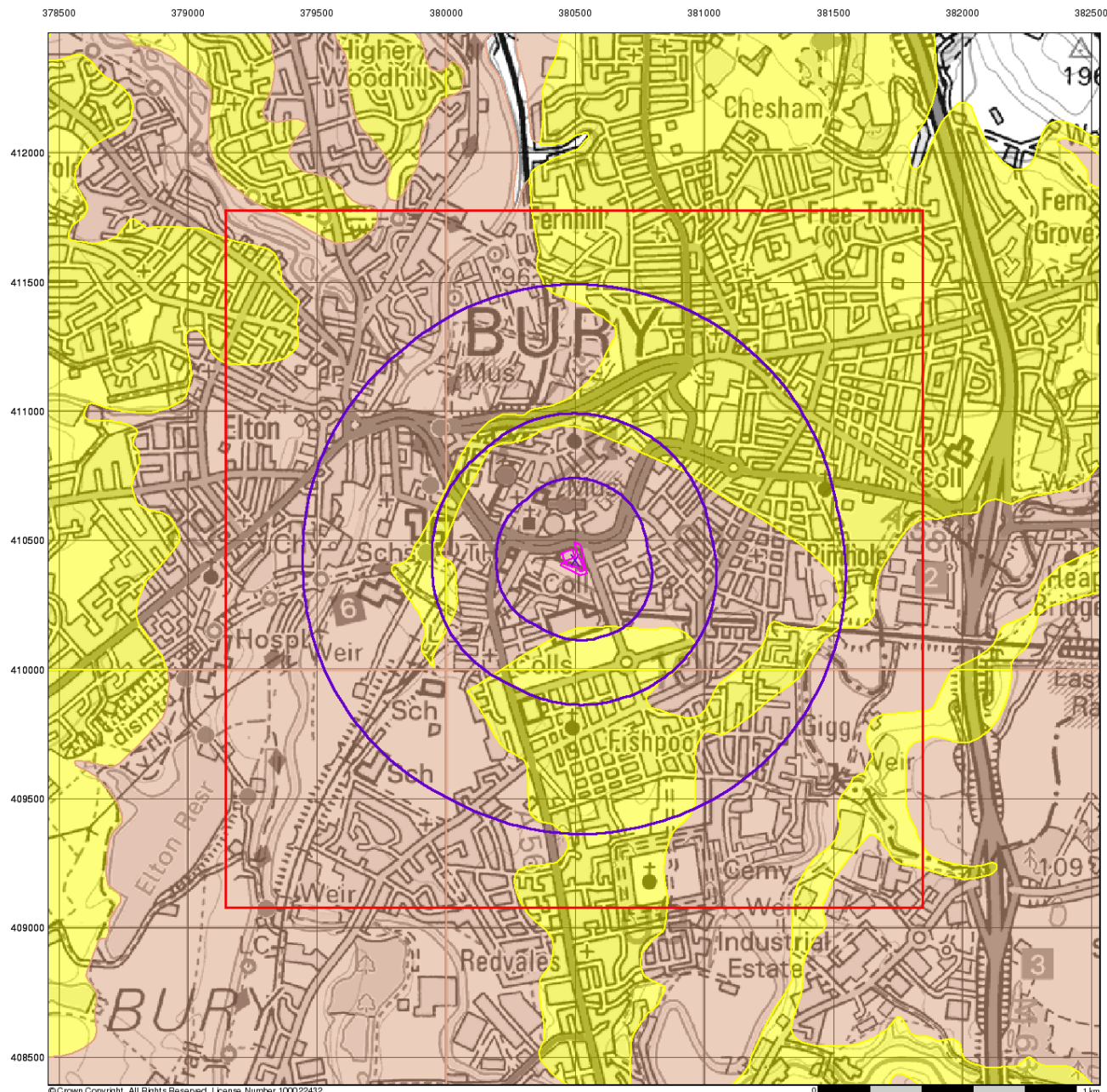
Order Number: 307184673_1_1
Customer Ref: WIE17762-102
National Grid Reference: 380500, 410420
Slice: A
Site Area (Ha): 0.48
Search Buffer (m): 1000

Site Details

Woodbury Centre, Bury College, Market Street, BURY, BL9 0BG

Landmark®
LANDMARK INFORMATION GROUP

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



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Superficial Aquifer Designation

General

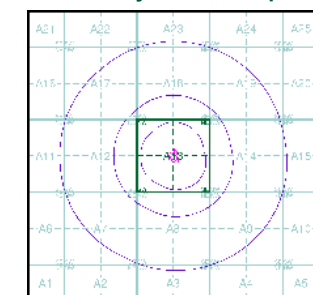
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- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

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: 307184673_1_1
 Customer Ref: WIE17762-102
 National Grid Reference: 380500, 410420
 Slice: A
 Site Area (Ha): 0.48
 Search Buffer (m): 1000

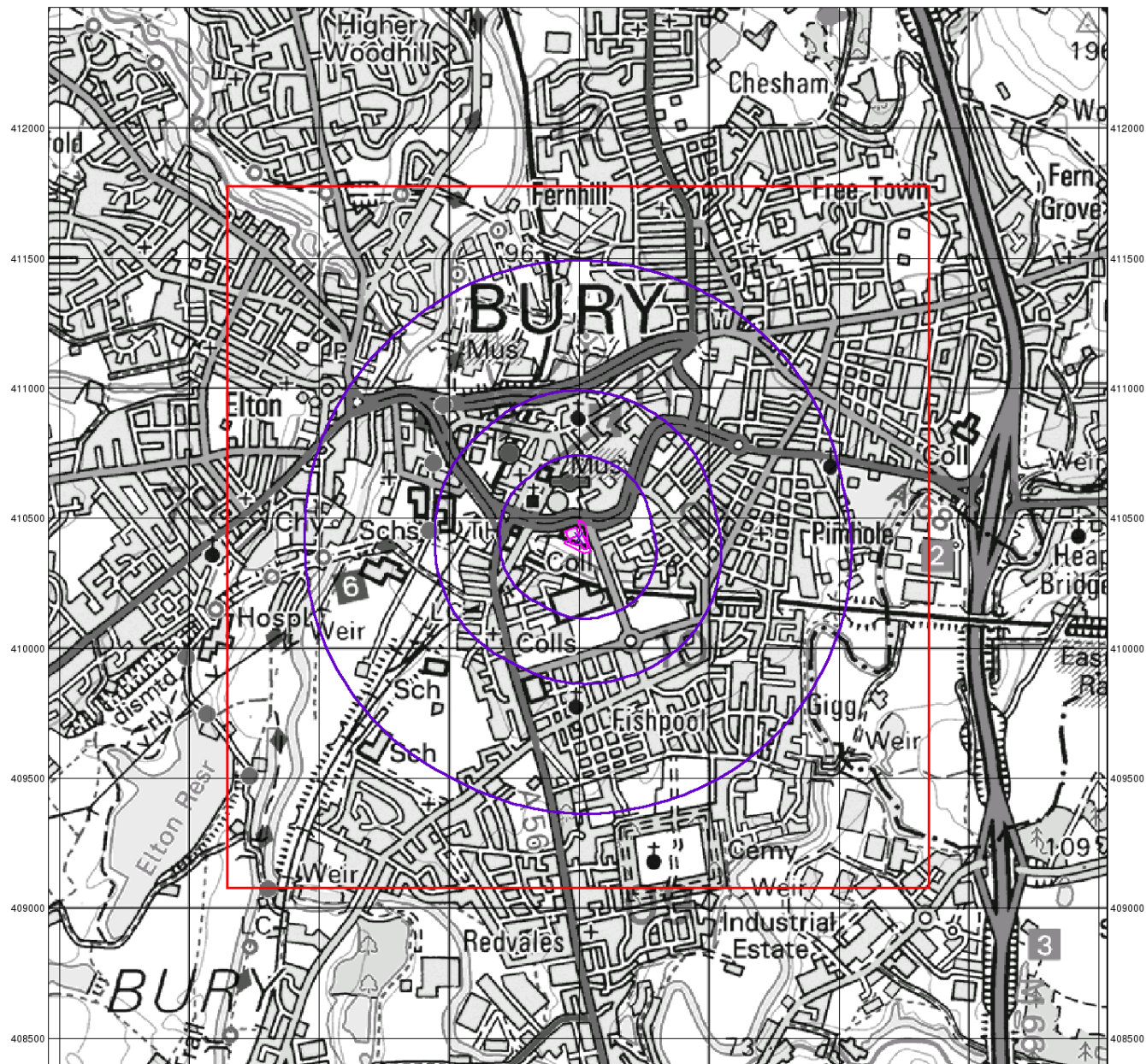
Site Details

Woodbury Centre, Bury College, Market Street, BURY, BL9 0BG

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Source Protection Zones

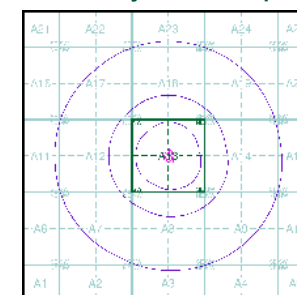
General

- 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)

Site Sensitivity Context Map - Slice A



Order Details

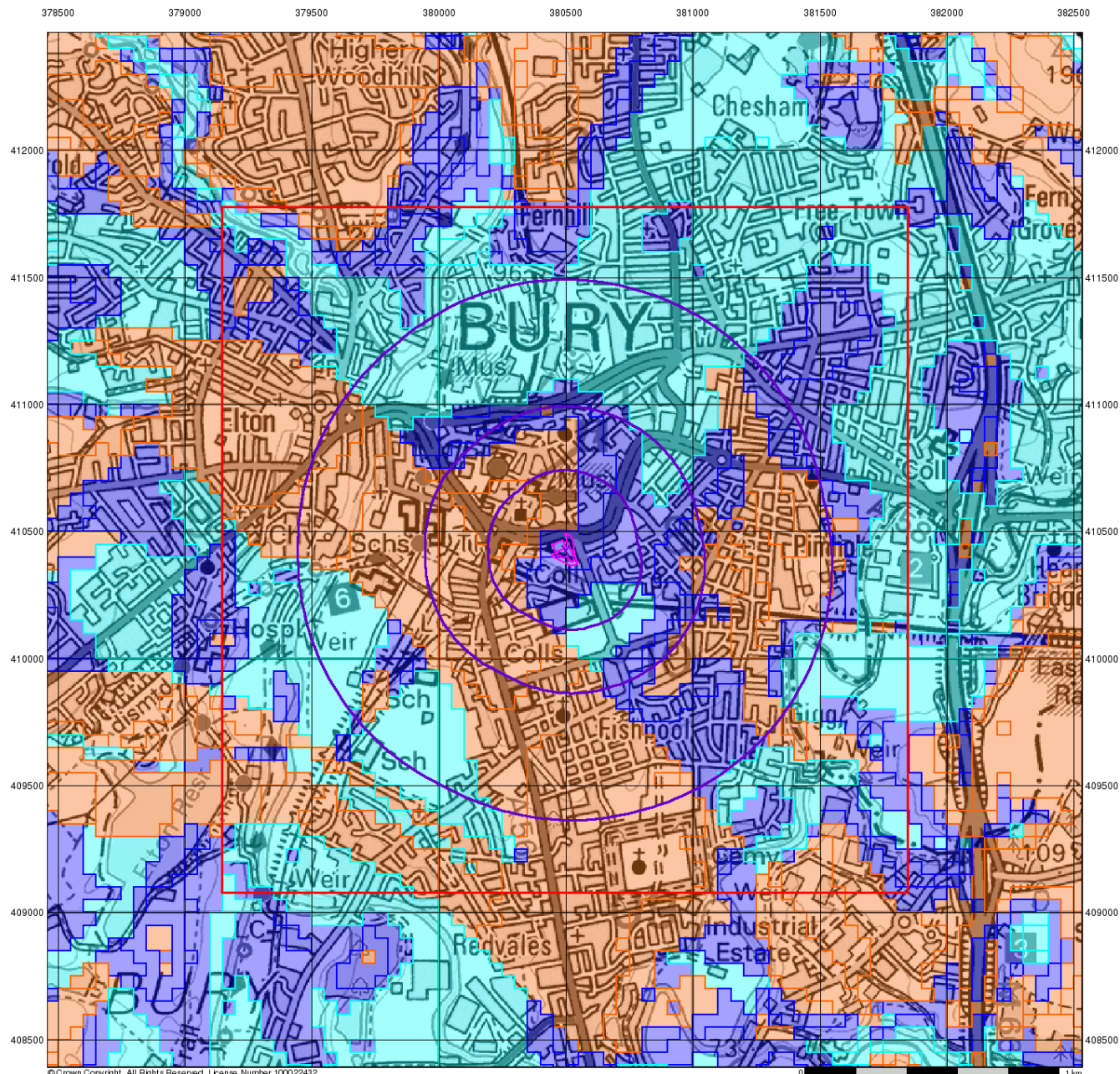
Order Number: 307184673_1_1
Customer Ref: WIE17762-102
National Grid Reference: 380500, 410420
Slice: A
Site Area (Ha): 0.48
Search Buffer (m): 1000

Site Details

Woodbury Centre, Bury College, Market Street, BURY, BL9 0BG

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BGS Flood GFS Data

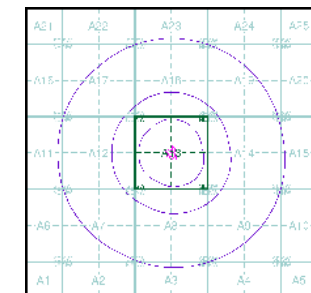
General

- 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: 307184673_1_1
 Customer Ref: WIE17762-102
 National Grid Reference: 380500, 410420
 Slice: A
 Site Area (Ha): 0.48
 Search Buffer (m): 1000

Site Details

Woodbury Centre, Bury College, Market Street, BURY, BL9 0BG

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Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

307184673_1_1

Customer Reference:

WIE17762-102

National Grid Reference:

380500, 410420

Slice:

A

Site Area (Ha):

0.48

Search Buffer (m):

1000

Site Details:

Woodbury Centre, Bury College

Market Street

BURY

BL9 0BG

Client Details:

Mr U Ankenaite

Waterman Infrastructure & Environment Ltd

Pickfords Wharf

Clink Street

London

SE1 9DG

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	34
Hazardous Substances	51
Geological	52
Industrial Land Use	63
Sensitive Land Use	-
Data Currency	129
Data Suppliers	135
Useful Contacts	136

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

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Report Version v53.0

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	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2		3	1	24
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls	pg 8				3
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 9		1	4	17
Local Authority Pollution Prevention and Control Enforcements	pg 12				1
Nearest Surface Water Feature	pg 12		Yes		
Pollution Incidents to Controlled Waters	pg 12			1	14
Prosecutions Relating to Authorised Processes	pg 15				2
Registered Radioactive Substances					
River Quality	pg 15				4
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points	pg 16				2
Substantiated Pollution Incident Register	pg 17				2
Water Abstractions	pg 18				6 (*38)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 29	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 29	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 29	Yes	n/a	n/a	n/a
Source Protection Zones					
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
OS Water Network Lines	pg 29				32

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites	pg 34			1	1
Historical Landfill Sites	pg 34		2	4	1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 35				32
Local Authority Landfill Coverage	pg 42	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 42				4
Potentially Infilled Land (Water)	pg 42			1	23
Registered Landfill Sites	pg 44			2	2
Registered Waste Transfer Sites	pg 45				2
Registered Waste Treatment or Disposal Sites	pg 46		1		8
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)	pg 51				1
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)	pg 51				1
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

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 52	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 52	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 61	Yes	n/a	n/a	n/a
Mining Instability	pg 61	Yes	n/a	n/a	n/a
Man-Made Mining Cavities	pg 61				1
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 61	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 61	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 61	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 61	Yes	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 63		20	58	370
Fuel Station Entries	pg 100			2	4
Points of Interest - Commercial Services	pg 101		1	5	131
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 112		3	11	124
Points of Interest - Public Infrastructure	pg 124			4	37
Points of Interest - Recreational and Environmental	pg 127			4	6
Gas Pipelines					
Underground Electrical Cables					

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					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
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 of Property Situated Below Ground Level	A13SE (S)	0	1	380499 410400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (N)	0	1	380499 410425
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	8	1	380499 410500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (W)	45	1	380400 410400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (SE)	90	1	380600 410300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (W)	95	1	380350 410450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	140	1	380350 410300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	304	1	380850 410425
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	315	1	380499 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (NE)	327	1	380800 410650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	365	1	380499 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NE (S)	373	1	380600 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	385	1	380400 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	386	1	380650 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	404	1	380950 410400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (SE)	408	1	380850 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	416	1	380550 409950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (SE)	417	1	380900 410150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (SE)	439	1	380950 410200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (W)	445	1	380000 410425
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (SE)	446	1	380900 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (SE)	450	1	380800 410000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	460	1	380450 410950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A9NW (SE)	480	1	380850 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	481	1	381000 410550
1	Discharge Consents Operator: Mr & Mrs Mark Hillon Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: 360-366 Manchester Rd, Walmersley, Bury, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016993231 Permit Version: 3 Effective Date: 12th November 2002 Issued Date: 12th November 2002 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib River Irwell Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A13SW (W)	245	2	380200 410400
1	Discharge Consents Operator: Mr & Mrs E Hardman Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: 360-366 Manchester Rd, Walmersley, Bury, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016993231 Permit Version: 1 Effective Date: 20th June 1963 Issued Date: Not Supplied Revocation Date: 31st March 1997 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trin River Irwell Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A13SW (W)	245	2	380200 410400
1	Discharge Consents Operator: Mr & Mrs Mark Hillon Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: 360-366 Manchester Rd, Walmersley, Bury, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016993231 Permit Version: 2 Effective Date: 1st April 1997 Issued Date: Not Supplied Revocation Date: 11th November 2002 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib River Irwell Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A13SW (W)	245	2	380200 410395
2	Discharge Consents Operator: Mr J C Lees Property Type: FARMS (NOT HOUSE)/CROP + ANIMAL REARING/PLANT NURSERY Location: Park Farm, 206 Manchester Rd, Walmersley, Bury, Lancashire, B19 5np Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01m/779 Permit Version: 1 Effective Date: 2nd March 1956 Issued Date: 2nd March 1956 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Unknown Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A12SE (W)	325	2	380131 410319

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Tanpits Road Cso Harvard Road, Bury, ., Lancashire, B19 0nl Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016982617 Permit Version: 2 Effective Date: 9th July 2018 Issued Date: 9th July 2018 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Irwell Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	722	2	379980 411000
4	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Tanpits Road Cso Harvard Road, Bury, ., Lancashire, B19 0nl Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01BRY0098 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 1st January 1995 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Irwell Status: Consent revoked or revised: New Consent issued (Section 37(1)) Positional Accuracy: Located by supplier to within 100m	A12NW (W)	744	2	379730 410655
4	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Tanpits Road Cso Harvard Road, Bury, ., Lancashire, B19 0nl Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982617 Permit Version: 1 Effective Date: 30th September 1994 Issued Date: Not Supplied Revocation Date: 8th July 2018 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Irwell Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A12NW (W)	746	2	379730 410660
4	Discharge Consents Operator: United Utilities Water Limited Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Marsden St, Bury, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01bry0014 Permit Version: 1 Effective Date: 17th September 1992 Issued Date: Not Supplied Revocation Date: 1st January 1995 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Unknown Environment: Receiving Water: Unknown Outlet; Licence Status: Revoked Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A12NW (W)	746	2	379730 410660

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Woodfield Catchment Area, Bury, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01BRY0088 Permit Version: 2 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 14th July 2014 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Irwell Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	835	2	379770 410940
5	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Woodfield Catchment Area, Bury, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01bry0088 Permit Version: 1 Effective Date: 1st July 1991 Issued Date: Not Supplied Revocation Date: 31st December 1994 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Irwell Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	835	2	379770 410940
5	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Woodfield Catchment Area, Bury, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016951239 Permit Version: 1 Effective Date: 5th February 1988 Issued Date: Not Supplied Revocation Date: 2nd July 2016 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Irwell Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	859	2	379770 410980
6	Discharge Consents Operator: J.R. Crompton Ltd Property Type: MAKING OF PAPER+PAPER PRODUCTS Location: Elton Paper Mills Outlet C, Elton Paper Mill, Bury, Greater Manchester, B18 2as Authority: Environment Agency, North West Region Catchment Area: Upper Mersey Reference: 016990064 Permit Version: 1 Effective Date: 1st January 1980 Issued Date: Not Supplied Revocation Date: 1st April 1996 Discharge Type: Trade Discharge - Process Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Irwell Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m	A12SW (W)	845	2	379600 410400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Discharge Consents Operator: Cemex Uk Materials Limited Property Type: WAREHOUSING + SUPPORT ACTIVITIES FOR TRANSPORTATION Location: Bury Readymix Plant Bridge Trading Estate, Bury/Bolton Road, Bury, Greater Manchester, B18 2aq Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 0174/11 Permit Version: 2 Effective Date: 7th March 2019 Issued Date: 1st January 1995 Revocation Date: 3rd March 2022 Discharge Type: Trade Discharge - Process Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Irwell Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	871	2	379700 410900
7	Discharge Consents Operator: Rmc Roadstone Ltd - North West Property Type: WAREHOUSING + SUPPORT ACTIVITIES FOR TRANSPORTATION Location: Bury Readymix Plant Bridge Trading Estate, Bury/Bolton Road, Bury, Greater Manchester, B18 2aq Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 0174/11 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: Not Supplied Revocation Date: 6th March 2019 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Irwell Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	871	2	379700 410900
8	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Pimhole Cso James Street, ., Bury, Lancashire, B19 7eg Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01bry0021 Permit Version: 2 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: 26th June 2019 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Barn Brook Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A14SE (E)	943	2	381470 410180
8	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Pimhole Cso James Street, ., Bury, Lancashire, B19 7eg Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01BRY0021 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 2nd September 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Barn Brook Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 100m	A14SE (E)	943	2	381470 410180

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Pimhole Cso James Street, .. Bury, Lancashire, B19 7eg Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01bry0021 Permit Version: 3 Effective Date: 27th June 2019 Issued Date: 27th June 2019 Revocation Date: 31st March 2022 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Barn Brook Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A14SE (E)	945	2	381472 410182
8	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Pimhole Cso James Street, .. Bury, Lancashire, B19 7eg Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01bry0021 Permit Version: 4 Effective Date: 1st April 2022 Issued Date: 27th June 2019 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Barn Brook Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A14SE (E)	945	2	381472 410182
9	Discharge Consents Operator: Antler Ltd Property Type: MAKING OF TEXTILES Location: Antler Ltd, Bury, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016992340 Permit Version: 1 Effective Date: 1st October 1996 Issued Date: 1st October 1996 Revocation Date: 18th August 2011 Discharge Type: Trade Boiler Blowdown Effluent: Unspecified Discharge: Freshwater Stream/River Environment: Receiving Water: River Roach Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 10m	A9NE (SE)	952	2	381400 409951
9	Discharge Consents Operator: Antler Ltd Property Type: MAKING OF TEXTILES Location: Antler Ltd, Bury, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 0169/01/1977/47 Permit Version: 2 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 30th September 1996 Discharge Type: Trade Boiler Blowdown Effluent: Unspecified Discharge: Freshwater Stream/River Environment: Receiving Water: River Roch Status: Revoked: New Consent issued (Water Act 1989, Section 113) Positional Accuracy: Located by supplier to within 100m	A9NE (SE)	952	2	381400 409950

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	Discharge Consents Operator: Antler Ltd Property Type: MAKING OF TEXTILES Location: Antler Ltd, Bury, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 0169/01/1977/47 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: Not Supplied Revocation Date: 31st December 1994 Discharge Type: Trade Boiler Blowdown Effluent: Unspecified Discharge: Not Supplied Environment: Receiving Water: Not Supplied Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A9NE (SE)	952	2	381400 409950
10	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Lower Woodhill Rd, Bury, Lancashire Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01bry0013 Permit Version: 2 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: 14th July 2014 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Woodhill Brook Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	956	2	379830 411180
10	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Lower Woodhill Rd, Bury, Lancashire Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01BRY0013 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 2nd September 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Woodhill Brook Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	956	2	379830 411180
11	Discharge Consents Operator: Dorron Roller Ltd Property Type: MAKING OF BASIC METALS/IRON+STEEL/FOUNDRY/CASTING Location: Dorron Roller Ltd, 59 Bolton Road, Bury, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016990338 Permit Version: 1 Effective Date: 23rd December 1981 Issued Date: Not Supplied Revocation Date: 20th September 1991 Discharge Type: Trade Discharges - Cooling Water Discharge: Freshwater Stream/River Environment: Receiving Water: Elton Brook Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	958	2	379600 410900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Primrose Hill Cso School Street, ., Bury, Lancashire, B19 7ex Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01bry0022 Permit Version: 2 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: 9th May 2019 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Barn Brook Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A15SW (E)	965	2	381510 410320
12	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Primrose Hill Cso School Street, ., Bury, Lancashire, B19 7ex Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01BRY0022 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 2nd September 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Barn Brook Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 100m	A15SW (E)	965	2	381510 410320
12	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Primrose Hill Cso School Street, ., Bury, Lancashire, B19 7ex Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01bry0022 Permit Version: 3 Effective Date: 10th May 2019 Issued Date: 10th May 2019 Revocation Date: 31st March 2022 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Barn Brook Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A15SW (E)	969	2	381514 410314
12	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Primrose Hill Cso School Street, ., Bury, Lancashire, B19 7ex Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01bry0022 Permit Version: 4 Effective Date: 1st April 2022 Issued Date: 10th May 2019 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Barn Brook Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A15SW (E)	969	2	381514 410314
13	Integrated Pollution Controls Name: Eastman Co Uk Ltd Location: P O Box 56, Radcliffe Road, BURY, Lancashire, BL9 9WW Authority: Environment Agency, North West Region Permit Reference: AM2573 Dated: 30th March 1994 Process Type: IPC new application Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned within the geographical locality	A7SE (S)	977	2	380115 409477

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	Integrated Pollution Controls Name: Eastman Co Uk Ltd Location: Po Box 56, Radcliffe Road, BURY, Lancashire, BL9 9WW Authority: Environment Agency, North West Region Permit Reference: BE0279 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation revoked Positional Accuracy: Manually positioned within the geographical locality	A7SE (S)	979	2	380120 409472
13	Integrated Pollution Controls Name: Eastman Co Uk Ltd Location: P O Box 56, Radcliffe Road, BURY, Lancashire, BL9 9WW Authority: Environment Agency, North West Region Permit Reference: AZ1868 Dated: 14th August 1997 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned within the geographical locality	A7SE (S)	981	2	380115 409472
14	Local Authority Pollution Prevention and Controls Name: Save Service Station Location: Angeleume Way, BURY, Lancashire, BL9 0BZ Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: Ps6 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Manually positioned to the road within the address or location	A13NE (NE)	49	3	380573 410483
15	Local Authority Pollution Prevention and Controls Name: Alenco Dry Cleaners Location: 44 Bolton Street, Bury, BL9 0ll Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: LAPPC06-11 Dated: 1st February 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Permitted Positional Accuracy: Manually positioned to the address or location	A18SW (NW)	442	3	380225 410840
16	Local Authority Pollution Prevention and Controls Name: Wallwork Heat Treatment Ltd Location: Lord Street, Bury, BL9 0RE Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: LAPPC11-01 Dated: 1st March 2012 Process Type: Local Authority Pollution Prevention and Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input Status: Permitted Positional Accuracy: Manually positioned to the address or location	A14NW (E)	450	3	380967 410559
16	Local Authority Pollution Prevention and Controls Name: Wallwork Heat Treatment Ltd Location: Rochdale Road, Bury, BL9 0QH Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: LAPPC04-12 Dated: 1st June 2005 Process Type: Local Authority Pollution Prevention and Control Description: PG2/3 Electrical and rotary furnaces Status: Authorised Positional Accuracy: Manually positioned to the address or location	A14NW (E)	450	3	380967 410559
16	Local Authority Pollution Prevention and Controls Name: Wallwork Heat Treatment Ltd Location: Rochdale Road, Bury, BL9 0QH Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: LAPPC04-12 Dated: 1st June 2005 Process Type: Local Authority Pollution Prevention and Control Description: PG2/4 Iron, steel and non-ferrous metal foundry processes Status: Authorised Positional Accuracy: Manually positioned to the address or location	A14NW (E)	450	3	380967 410559

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	Local Authority Pollution Prevention and Controls Name: Bury Engine Centre Location: Cook Street, Bury, BL9 0RP Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: LAPPC04-16 Dated: 1st March 2006 Process Type: Local Authority Pollution Prevention and Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input Status: Authorised Positional Accuracy: Manually positioned to the address or location	A14NW (E)	564	3	381094 410506
18	Local Authority Pollution Prevention and Controls Name: Beldam Lascar Location: Tan Pits Lane, BURY, Lancashire, BL9 0LY Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: 21 Dated: 1st March 1995 Process Type: Local Authority Air Pollution Control Description: PG3/13 Asbestos processes Status: Authorised Positional Accuracy: Manually positioned to the road within the address or location	A18SW (N)	567	3	380262 411008
19	Local Authority Pollution Prevention and Controls Name: Tesco Stores Location: Peel Way, Woodfields Retail Park, BURY, Lancashire, BL9 5BY Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: LAPPC05-15 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Manually positioned to the address or location	A18SE (N)	578	3	380525 411070
20	Local Authority Pollution Prevention and Controls Name: H & J Quick Ltd Location: Derby Street, BURY, Lancashire, BL9 0NW Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: 6 Dated: 1st August 1992 Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles Status: Authorised Positional Accuracy: Manually positioned to the road within the address or location	A19SW (NE)	599	3	380935 410913
21	Local Authority Pollution Prevention and Controls Name: Shell Uk Location: 236 Rochdale Road, BURY, Lancashire, BL9 7AX Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: Ps1 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Manually positioned to the road within the address or location	A14NW (NE)	668	3	381130 410755
22	Local Authority Pollution Prevention and Controls Name: Chapel Fine Furniture Location: James Street, BURY, Lancashire, BL9 7EG Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: 12 Dated: 1st April 1993 Process Type: Local Authority Air Pollution Control Description: PG6/33 Wood coating Status: Not Supplied Positional Accuracy: Manually positioned to the road within the address or location	A14SE (E)	751	3	381296 410413
23	Local Authority Pollution Prevention and Controls Name: Cemex Uk Materials Ltd Location: Bolton Road, BURY, Lancashire, BL8 2AQ Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: Lappc03-05 Dated: 1st February 1993 Process Type: Local Authority Pollution Prevention and Control Description: PG3/1Blending, packing, loading and use of bulk cement Status: Authorised Positional Accuracy: Manually positioned to the address or location	A12NW (W)	797	3	379689 410702

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	Local Authority Pollution Prevention and Controls Name: Cass of Bury Location: Manor Street, BURY, BL9 7BL Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: 3 Dated: 1st May 1992 Process Type: Local Authority Air Pollution Control Description: PG2/5 Hot and cold blast cupolas Status: Authorisation revoked Positional Accuracy: Manually positioned to the road within the address or location	A19SE (NE)	836	3	381248 410893
25	Local Authority Pollution Prevention and Controls Name: Wilcox Drums Ltd Location: Tile Street, BURY, Lancashire, BL9 5BQ Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: 10 Dated: 1st March 1993 Process Type: Local Authority Air Pollution Control Description: PG6/15 Coating in drum manufacturing and reconditioning processes Status: Authorisation revoked Positional Accuracy: Manually positioned to the road within the address or location	A18NE (N)	906	3	380601 411392
26	Local Authority Pollution Prevention and Controls Name: K Wood & Sons Location: Pimhole Road, BURY, BL9 7EY Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: 2 Dated: 1st February 1993 Process Type: Local Authority Air Pollution Control Description: PG2/9 Metal decontamination processes Status: Authorisation revoked Positional Accuracy: Manually positioned to the road within the address or location	A14NE (E)	934	3	381461 410562
27	Local Authority Pollution Prevention and Controls Name: Briggs Demolition Location: Bridge Works, Wellington Street, Bury, BL8 2al Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: LAPPC04-11 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG3/16 Mobile screening and crushing processes Status: Authorisation revoked Positional Accuracy: Manually positioned to the address or location	A12SW (W)	935	3	379511 410358
27	Local Authority Pollution Prevention and Controls Name: Rtk Grab Hire Ltd Location: Daisyfield, Wellington Street, Bury, BL8 2BD Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: LAPPC11-05 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG3/16 Mobile screening and crushing processes Status: Permitted Positional Accuracy: Manually positioned to the road within the address or location	A12SW (W)	947	3	379498 410396
28	Local Authority Pollution Prevention and Controls Name: Milliken Industries Ltd Location: Wellington Street, BURY, BL8 2AY Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: LAPPC04-10 Dated: 1st October 1992 Process Type: Local Authority Pollution Prevention and Control Description: PG6/23 Coating of metal and plastic Status: Authorisation revoked Positional Accuracy: Manually positioned to the road within the address or location	A12NW (W)	943	3	379504 410514
29	Local Authority Pollution Prevention and Controls Name: Starbreakers Location: Pimhole Lane, Bury, BL9 7gy Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: LAPPC04-17 Dated: 1st August 2006 Process Type: Local Authority Pollution Prevention and Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input Status: Authorised Positional Accuracy: Manually positioned to the address or location	A14SE (E)	948	3	381494 410406

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	Local Authority Pollution Prevention and Controls Name: Geldards Dry Cleaners Location: 60 Walmersley Road, Bury, BL9 6dp Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: LAPPC06-12 Dated: 1st January 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Authorised Positional Accuracy: Manually positioned to the address or location	A19NW (NE)	954	3	380933 411343
31	Local Authority Pollution Prevention and Controls Name: Moorside Garage Location: Brook Street, BURY, Lancashire, BL9 6AH Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: Ps24 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	A19NW (NE)	989	3	381108 411277
32	Local Authority Pollution Prevention and Controls Name: The Timber Centre Location: Fernhill Street, BURY, Lancashire, BL9 5BH Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: Lappc03-06 Dated: 1st August 1992 Process Type: Local Authority Pollution Prevention and Control Description: PG6/2 Manufacture of timber and wood-based products Status: Site Closed Positional Accuracy: Automatically positioned to the address	A23SE (N)	995	3	380504 411487
33	Local Authority Pollution Prevention and Control Enforcements Location: Rochdale Road, Bury, BL9 0qh Type: Air Pollution Control Enforcement Notice Reference: LAPPC04-12 Date Issued: 23rd August 2006 Enforcement Date: Not Supplied Details: Extractive Monitoring Not Completed By Relevant Date In Permit - Complied With Positional Accuracy: Manually positioned to the road within the address or location	A14NW (NE)	630	3	381086 410758
	Nearest Surface Water Feature	A13SW (S)	33	-	380480 410349
34	Pollution Incidents to Controlled Waters Property Type: Garage Premises Location: Castlecroft Garage, BURY Authority: Environment Agency, North West Region Pollutant: Oils - Waste Oil Note: Petrol From Garage Incident Date: 8th October 1998 Incident Reference: SO981853 Catchment Area: Irwell Receiving Water: Freshwater Stream/River Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	351	2	380200 410700
35	Pollution Incidents to Controlled Waters Property Type: Manufacturing: Other Manufacturing Location: Panpits Road, Greater Manchester Authority: Environment Agency, North West Region Pollutant: Contaminated Material : Fire Fighting Run Off Note: Not Supplied Incident Date: 27th September 1999 Incident Reference: 32815 Catchment Area: Irwell Receiving Water: River Stretch (Freshwater) Cause of Incident: Other Cause Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	545	2	380300 411000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Combined Sewer Overflow Location: River Irwell, BURY Authority: Environment Agency, North West Region Pollutant: Sewage - Storm Overflow Note: Grey Liquid Incident Date: 4th June 1998 Incident Reference: SO981013 Catchment Area: Irwell Receiving Water: Freshwater Stream/River Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	776	2	379900 411000
37	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: River Irwell; No Pollution Found Incident Date: 19th June 1995 Incident Reference: 95621464 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	778	2	381100 411000
38	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Rubble/Litter Or Solids Note: Elton Brook; Colour Incident Date: 18th May 1995 Incident Reference: 95621163 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	786	2	379700 410700
39	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: River Irwell; No Pollution Found Incident Date: 22nd June 1995 Incident Reference: 95621505 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	813	2	379900 409800
40	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Rubble/Litter Or Solids Note: River Irwell Incident Date: 21st June 1995 Incident Reference: 95621495 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	824	2	379700 410800
41	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Chemicals - Paints / Dyes Note: Elton Brook Incident Date: 28th July 1995 Incident Reference: 95621905 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Miscellaneous/Other Pollution Type Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	847	2	379600 410500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
42	Pollution Incidents to Controlled Waters Property Type: WSC Sewage, Sewerage & Supply: Southern Water Ltd Location: William Hair, Castlecroft, CASTLECROFT, Greater Manchester Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 5th August 1999 Incident Reference: 31030 Catchment Area: Irwell Receiving Water: River Stretch (Freshwater) Cause of Incident: Climatic Conditions : Localised High Rainfall Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	865	2	380001 411201
43	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: Kirklees Brook; None Pollution Found Incident Date: 20th September 1995 Incident Reference: 95622368 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	917	2	379800 411100
44	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Pollution Found Incident Date: 11th June 1996 Incident Reference: 96621261 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	927	2	379700 411000
45	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: River Irwell; No Pollution Found Incident Date: 15th June 1995 Incident Reference: 95621430 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	941	2	380900 409500
46	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: River Roch; No Pollution Found Incident Date: 28th September 1995 Incident Reference: 95622416 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NE (SE)	946	2	381300 409800
47	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: River Irwell; No Pollution Found Incident Date: 11th April 1995 Incident Reference: 95620790 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	946	2	379500 410500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Chemicals - Paints / Dyes Note: Elton Brook Incident Date: 15th June 1995 Incident Reference: 95621431 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Leaking Underground Pipe Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	992	2	379500 410100
49	Prosecutions Relating to Authorised Processes Location: Unit 8 Pimhole Road Business Park, Pimhole Road, Bury Prosecution Text: Operating a waste vehicle dismantling facility without the required permit Prosecution Act: Epr07 R12 & 38(1)(A) Hearing Date: 1st September 2008 Verdict: Guilty Fine: 5000 Costs: 2462 Positional Accuracy: Manually positioned to the address or location	A14SE (E)	834	2	381376 410286
50	Prosecutions Relating to Authorised Processes Location: Pimhole Lodge, Pimhole Road, Bury, B19 Prosecution Text: Allowing the transport of asbestos waste Prosecution Act: Epa90 S34 Hearing Date: 17th March 2006 Verdict: Guilty Fine: 9000 Costs: 1800 Positional Accuracy: Manually positioned to the road within the address or location	A14NE (E)	951	2	381490 410488
	River Quality Name: Irwell GQA Grade: River Quality C Reach: Chest Wheel Bridge To Roch Estimated Distance (km): 10.3 Flow Rate: Flow less than 5 cumecs Flow Type: River Year: 2000	A12NW (W)	725	2	379749 410650
	River Quality Name: Elton Bk GQA Grade: River Quality D Reach: Qsl At Dow Lane To Irwell Estimated Distance (km): 1.9 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A12SW (W)	764	2	379682 410394
	River Quality Name: Kirklees Bk GQA Grade: River Quality C Reach: Olives Paper Mill To Irwell Estimated Distance (km): .7 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A17NE (NW)	928	2	379827 411141
	River Quality Name: Roch GQA Grade: River Quality C Reach: Rochdale Stw To Irwell Estimated Distance (km): 15.2 Flow Rate: Flow less than 20 cumecs Flow Type: River Year: 2000	A9NE (SE)	947	2	381419 410003

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
51	River Quality Chemistry Sampling Points Name: Elton Brook Reach: Qsl At Dow Lane To Irwell Estimated Distance: 1.90 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: Not Supplied Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied	A12NW (W)	874	2	379608 410700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
52	River Quality Chemistry Sampling Points Name: Kirklees Brook Reach: Olives Paper Mill To Irwell Estimated Distance: 0.70 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied	A17NE (NW)	944	2	379832 411166
53	Substantiated Pollution Incident Register Authority: Environment Agency - North West Region, South Area Incident Date: 4th June 2009 Incident Reference: 684555 Water Impact: Category 4 - No Impact Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Specific Waste Materials: Vehicles And Vehicle Parts	A14SE (E)	907	2	381439 410208
54	Substantiated Pollution Incident Register Authority: Environment Agency - North West Region, South Area Incident Date: 2nd January 2020 Incident Reference: 1766303 Water Impact: Category 3 - Minor Incident Air Impact: Category 1 - Major Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants and Effects: Smoke Pollutant: Contaminated Water: Firefighting Run-Off	A14NE (E)	956	2	381478 410587

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
55	Water Abstractions Operator: J R Crompton P.L.C. Licence Number: 2569001140 Permit Version: Not Supplied Location: Premises, BURY Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 4787 Yearly Rate (m3): 1436536 Details: River Irwell 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	A12NW (W)	760	2	379700 410600
56	Water Abstractions Operator: Cemex Uk Materials Ltd Licence Number: 2569001285r01 Permit Version: 2 Location: River Irwell At Rmc Northernt Bury Canal Wharf Authority: Environment Agency, North West Region Abstraction: Construction: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 21st December 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NW (W)	779	2	379706 410696
56	Water Abstractions Operator: Cemex Uk Materials Ltd Licence Number: 2569001285r01 Permit Version: 1 Location: River Irwell At Rmc Northernt Bury Canal Wharf Authority: Environment Agency, North West Region Abstraction: Construction: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NW (W)	779	2	379706 410696
56	Water Abstractions Operator: Cemex Uk Materials Ltd Licence Number: 2569001285 Permit Version: 2 Location: River Irwell At Rmc Northernt Bury Canal Wharf Authority: Environment Agency, North West Region Abstraction: Construction: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Rmc Northern Bury Canal Wharf Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NW (W)	779	2	379706 410696

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
56	Water Abstractions Operator: Rmc Materials Ltd Licence Number: 2569001285 Permit Version: 1 Location: River Irwell At Rmc Northernt Bury Canal Wharf Authority: Environment Agency, North West Region Abstraction: Construction: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Rmc Northern Bury Canal Wharf Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd March 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NW (W)	779	2	379706 410696
57	Water Abstractions Operator: Dorron Roller Ltd Licence Number: 2569001211 Permit Version: Not Supplied Location: Un-Named Tributary Of River Irwell, BURY Authority: Environment Agency, North West Region Abstraction: Cooling Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 145 Yearly Rate (m3): 45460 Details: Licence Status: Revoked 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	A17SW (NW)	915	2	379600 410800
	Water Abstractions Operator: Bury Council Licence Number: Nw/069/0001/007 Permit Version: 1 Location: River Irwell At Chamber Hall Weir Authority: Environment Agency, North West Region Abstraction: Production Of Energy: Hydroelectric Power Generation Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Chamber Hall Weir, Bury Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 10th June 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	1034	2	380014 411406
	Water Abstractions Operator: J B Skips & Services Ltd Licence Number: 2569001056 Permit Version: 100 Location: The River Irwell At Hinds Lane, Bury Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 9 Yearly Rate (m3): 909 Details: Premises, Hinds Mill, Bury, Lancs Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 1997 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A6NE (SW)	1138	2	379450 409850

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: J R Crompton P.L.C. Licence Number: 2569001138 Permit Version: Not Supplied Location: Known As Deardens Lodge, BURY Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: River Daily Rate (m3): 1091 Yearly Rate (m3): 136380 Details: Reservoir Fed By Surface Drainage 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	A11SE (W)	1150	2	379300 410300
	Water Abstractions Operator: J K Industries Limited Licence Number: 2569002103 Permit Version: Not Supplied Location: River Roch, BURY, Lancashire Authority: Environment Agency, North West Region Abstraction: Cooling & Boiler Feed & Manufacturing Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 5455 Yearly Rate (m3): 490968 Details: Additional Purposes: Manufacturing; Boiler feed; Licence Status: Revoked 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	A9SE (SE)	1151	2	381400 409600
	Water Abstractions Operator: Wilcox Drums Ltd Licence Number: 2569001014 Permit Version: 100 Location: Borehole At Premises, Bury Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 114 Yearly Rate (m3): 27276 Details: Premises At Bury, Lancs Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A23SW (N)	1224	2	380300 411700
	Water Abstractions Operator: Wilcox Drums Ltd Licence Number: 2569001014 Permit Version: 100 Location: Borehole At Premises, Bury Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Bury, Lancs Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A23SW (N)	1224	2	380300 411700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: P & S Textiles Ltd Licence Number: 2569001015 Permit Version: Not Supplied Location: Fernhill Mill, Shornby Street, BURY, Lancashire Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 227 Yearly Rate (m3): 81828 Details: Not Supplied 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	A23SE (N)	1225	2	380700 411700
	Water Abstractions Operator: J R Crompton P.L.C. Licence Number: 2569001139 Permit Version: Not Supplied Location: Bury Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 391 Yearly Rate (m3): 118196 Details: Borehole Near Premises 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	A11SE (W)	1249	2	379200 410300
	Water Abstractions Operator: Bury Cooper Whitehead Ltd. Licence Number: 2569001107 Permit Version: Not Supplied Location: Borehole, Hudcar Mills, BURY Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 86 Yearly Rate (m3): 9092 Details: Licence Status: Revoked 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	A24SE (NE)	1283	2	381300 411500
	Water Abstractions Operator: Bury Cooper Whitehead Ltd Licence Number: 2569002212 Permit Version: Not Supplied Location: Springfield Mills, BURY Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: River Daily Rate (m3): 9728 Yearly Rate (m3): 86400 Details: Gypsy Brook A Tributary Of Barn Brook 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	A24SE (NE)	1364	2	381300 411600