

CCG-C-26-16061

**COAL MINE RISK ASSESSMENT REPORT
FOR LAND AT
GOLDEN MOSQUE,
LOWER SHERIFF STREET,
ROCHDALE**

FEBRUARY 2026



Prepared by:

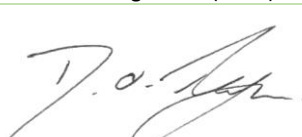
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Project Title:	COAL MINE RISK ASSESSMENT REPORT FOR LAND AT GOLDEN MOSQUE, LOWER SHERIFF STREET, ROCHDALE, OL12 6TG
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For and behalf of CC GEOTECHNICAL LTD	
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1.0 INTRODUCTION

CC GEOTECHNICAL LIMITED (CCG) is providing consultancy services to **FOOTPRINT DESIGN LIMITED** on behalf of the client in connection with the proposed redevelopment of land at The Golden Mosque, Lower Sheriff Street, Rochdale, Manchester, OL12 6TG.

It is understood that an extension to the western elevation of the mosque is proposed. The extension will extend over 3-storeys.

The existing and proposed layouts of the site are as shown on **FOOTPRINT DESIGN LIMITED** preliminary drawings are contained in Appendix A.

The proposed development falls within the administrative jurisdiction of **ROCHDALE METROPOLITAN BOROUGH COUNCIL**.

As the site is located in an area underlain by productive coal measures, a Coal Mining Risk Assessment (CMRA) was required to assess if the site may be at risk of surface instability or is affected by other risk factors resulting from historical coal mining activities.

The CMRA was required to demonstrate to **ROCHDALE METROPOLITAN BOROUGH COUNCIL** that coal mining risks have been considered by the applicant, and that any issues of potential surface instability have been identified and, if warranted by the assessment, will be considered in the scope of any resulting intrusive site investigation.

It must be borne in mind that the data and opinions contained in this report should be read in conjunction with the **CCG** Notes on Limitations contained herein Appendix D.

2.0 SITE LOCATION & DESCRIPTION

The site is located immediately to south of public pavements extending along Lower Sheriff Street, Rochdale, Manchester, OL12 6TG, as illustrated on **CCG** Drawing No. CCG-C-26-16061-1 and Aerial Plate No. CCG-C-26-16061-2 contained herein.

The **ORDNANCE SURVEY** co-ordinates for the approximate site centre are 389130, 413576. The northern boundary of the site stands at an elevation of c. 142maOD.

The site is located within a generally residential context. It comprises an irregular shaped parcel of land which contains the Golden Mosque and associated car parks. The site extends to the approximate dimensions of c.45m x 32m, its long axis being on a west – east alignment.

It is bound to the west by residential properties and north by public pavements extending along Lower Sheriff Street and to the south is the pavements extending along southwest to southeast alignment on Holland Street respectively. The east boundary is next to another Mosque as shown on the existing site layout in Appendix A.

The surface topography across the site is sensibly flat with surface levels being car parks easily accessed by public pavements.

Pedestrian access can be made via Lower Sheriff Street. The vehicle entrance can either be to south of Lower Sheriff Street, and north of Holland Street to the basement car park.

3.0 COAL MINING RISK ASSESSMENT

Coal mining may present hazards to proposed developments in a number of ways. Such hazards may currently exist or may be caused as a result of the construction of the proposed development, and may include:

- Collapse of shallow historical coal workings
- Collapse of or risk of entry into historical shafts or adits
- Gas emissions from historical coal mines including methane and/or carbon dioxide
- Spontaneous combustion or ignition of coal which may lead to underground heating and production of CO₂
- Transmission of gases to adjacent properties
- Coal mining subsidence
- Water emissions from historical coal mine workings

In assessing mining related risks at this site, the following sources of information were consulted:

- **BGS** Geology Sheet No. 076 Rochdale (2003) 1: 50,000 Scale Solid and Drift Editions
- Crofts, R G. et.al. 2010. Geology of the Rochdale district — a brief explanation of the geological map. Sheet explanation of the British Geological Survey. 1:50 000 sheet 76 Rochdale
- Healy. P.R. et.al. (1984) '*Construction over Abandoned Mine Workings*'. CIRA Special Publication 32 – PSA Civil Engineering Technical Guide 34. London
- Parry. D.N. et.al (2019) '*Abandoned Mine Working Manual*' Ciria. London
- **COAL AUTHORITY** Consultants Mining Report (Reference No. 51003553952001, dated February 2026), Presented in Appendix B)

- **COAL AUTHORITY** Interactive Mine Entry Viewer (<http://coal.decc.gov.uk/en/coal/cms/publications/data/map/map.aspx>) (Accessed: February 2026))
- **BGS** Solid Drift interactive mapping (<https://www.bgs.ac.uk/technologies/web-map-services-wms/web-map-services-geology-50k/>) (Accessed February 2026)

4.0 SUMMARY OF THE DOCUMENTED GEOLOGY & HISTORICAL MINING

4.1 Solid & Drift Geology

The geology of the site was reviewed with reference to the British Geological Survey (BGS) 1:50,000 scale geological maps for the Rochdale district (Sheet 76), including the Solid and Drift editions, together with Crofts, R.G. et al. (2010) Geology of the Rochdale District: A Brief Explanation of the Geological Map Sheet 76 Rochdale, British Geological Survey, Keyworth, Nottingham.

Artificial made ground deposits of an unknown composition and thickness are present on land located immediately to the east and west of the site, and therefore may be present on the study site.

The solid geology is documented to comprise the Pennine Lower Coal Measures Formation –comprising of interbedded grey mudstone, siltstone and pale grey sandstone, commonly with mudstone containing marine fossils in the lower part and more numerous and thick coal seams in the upper part. These sedimentary bedrocks were formed during the Carboniferous age.

The superficial geology is documented to comprise of Glaciofluvial deposits, Devensian- Sand and gravel. These sedimentary deposits were formed during the Quaternary period.

The **BGS** records for a 2nr boreholes sunk in close proximity to the south /southeast site boundary (BGS ID: 29747: BGS Reference: SD81SE22 and BGS ID:29746: BGS Reference: SD81SE21) did not record any coal seams within their 40m and 65m depths and indicate rock to be encountered around 13mbgl and 13mbgl.

Copies of the aforementioned borehole logs are contained in Appendix C.

4.2 Geological Lines of Weakness – Faults, Marine (Fossil) Bands, Coal Seams

There are no recorded geological faults or marine bands within the site boundary. Review of the **COAL AUTHORITY** of information indicates that the workable Arley coal seam outcrops approximately 23.3 m to the north-east of the site. No coal seam outcrops are recorded within the site boundary.

5.0 HISTORICAL COAL MINING ACTIVITIES

5.1 Historical Coal Mining/Mine Entries

The **COAL AUTHORITY** Mine Inventory Map Viewer indicates that there are no documented historical mine entries within, and within 100m of, the site boundary, the nearest being (388413-007) located within the southwestern section of the site.

5.2 Coal Authority Report Summary

Geological mapping, the **COAL AUTHORITY** Gazetteer and the **COAL AUTHORITY** Coal Mine Inventory Viewer confirm the site lies within a Development High Risk Area associated with past coal mining activity, and hence a **COAL AUTHORITY** Consultant Coal Mining Report was procured (Report Reference No. 51003553952001, dated February 2026), presented in Appendix B, and summarised hereunder:

5.2.1 Historical Underground Coal Mining

There are no records pertaining to the presence of past mining activities.

The **COAL AUTHORITY** states that the site is located within an area where un-recorded shallow coal (<30m) may exist which may have been worked in the past activities.

There are no records pertaining to the presence of spine roadways at shallow depth beneath the site.

5.2.2 Mine Entries

There are no records of mine entries located within 100m of the study site.

It should be borne in mind that the **COAL AUTHORITY** records may be incomplete, and consequently, there may exist in the local area mine entries of which the **COAL AUTHORITY** has no knowledge.

5.2.3 Abandoned Mine Catalogue Numbers

The following Abandoned Mine Plan Catalogue numbers intersect with some, or all, of the enquiry boundary:

Table 1: Abandoned Mine Plan Catalogue

PO0	16820	115
-----	-------	-----

The **COAL AUTHORITY** records show that they may hold more plans than those listed above which could affect the enquiry boundary.

5.2.4 Outcrops

There is 1nr record of coals outcropping within and/or within 50m of the study site

Table 2: Outcrop

Seam Name	Mineral	Seam workable	Distance to outcrop(m)	Direction to outcrop	Bearing of outcrop
ARLEY	Coal	Yes	23.3	North-East	293

5.2.5 Geological Faults, Fissures and Break Lines

There are no geological faults, fissures and/or breaklines within the site boundary, or within 100m of the site boundary.

5.2.6 Open Cast Mining

The site is not within the boundary of an opencast site from which coal has been extracted using opencast methods

The site is not within 500m of the boundary from which coal is being extracted by opencast methods

The site is not in an area for which the **COAL AUTHORITY** is determining to grant a licence to extract coal using opencast methods

5.2.7 Coal Authority Managed Tips

There are no records to the presence of current and/or historical **COAL AUTHORITY** managed tips within the surrounding area

5.2.8 Site Investigations

There are no records pertaining to the existence of any **COAL AUTHORITY** intrusive ground investigations associated with historical coal mining activities within, or within 50m of the site

5.2.9 Remediated Sites

There are no records pertaining to any site located within 50m of the boundary of the site which has been subjected to remedial works.

5.2.10 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.

5.2.11 Mine Gas Emissions

There are no records pertaining to mine gas emissions which required remedial actions by the **COAL AUTHORITY**, under its Emergency Call Out Procedures.

Notwithstanding the above, 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.

In addition to the above, developers should be advised that an investigation of coal seams, mine workings and/or mine entries may have the potential to generate and/or displace underground gases.

5.2.12 Mine Water Treatment Schemes

There are no recorded mine water treatment schemes within, or 500m of, the study site

5.2.13 Future Underground Mining

There are no plans to extract coal using underground mining methods within, or within 200m of, the site boundary. However, reserves of coal do exist within the surrounding area that may be worked at some point in the distant future.

5.2.14 Coal Mining Licences

The **COAL AUTHORITY** has not granted a licence to extract coal within, or within 200m of, the study site using open cast and/or underground mining methods

5.2.15 Court Orders

There are no records relating to the issue of court 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.

5.2.16 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.

5.2.17 Withdrawal of Support Notices

The site 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.

5.2.18 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.

6.0 SUMMARY RISK

By reference to the information sources listed above a risk assessment was constructed as tabulated in Table 4 presented hereunder:

Table 4: Summary of Coal Mining Report

Potential Hazards	Source	Comments
Is the site within a Coal Mining Referral Area?	The COAL AUTHORITY Coal Mine Inventory Viewer	Mapping indicates the site lies over an Development High Risk Area associated with past coal mining activity and is located in Coal Mining Reporting Area
Is the site within a Surface Mining Resource Area?	The COAL AUTHORITY Coal Mine Inventory Viewer	Mapping indicates that the site is within an area of surface mining resources as Surface Mining Coal Resource Area
Is the site within the likely zone of influence of present underground coal mining?	COAL AUTHORITY Consultants Coal Mining Report (Reference No. 51003553952001)	Report indicates that the property is not within the likely zone of influence of any present underground coal workings
Is the site within the likely zone of influence of past underground coal mining?	COAL AUTHORITY Consultants Coal Mining Report (Reference No. 51003553952001)	Report indicates that the property is not in the likely zone of influence at the surface from historical underground workings
Is there a possibility of unrecorded shallow mine workings and/or mine entries?	COAL AUTHORITY Consultants Coal Mining Report (Reference No. 51003553952001)	The report states that the site is located within an area where un-recorded shallow coal (<30m) may exist which may have been worked in the past.
Are there any historical mine entries, within, or within 100m of, the study site?	COAL AUTHORITY Consultants Coal Mining Report (Reference No. 51003553952001)	There are no records pertaining to the presence of historical mine entries however, there is 1nr record of an Abandoned Mine Plan catalogue number.
Is there a record of mine gas emissions within the site boundary?	COAL AUTHORITY Consultants Coal Mining Report (Reference No. 51003553952001)	Report indicates that there are no records of the property ever having been affected by mine gas emissions
Is the proposed development in an area for which the Coal Authority is determining or has granted a license to remove coal by underground methods?	COAL AUTHORITY Consultants Coal Mining Report (Reference No. 51003553952001)	Report indicates that the property is not in an area for which a licence has been granted to remove coal by underground and/or open cast methods
Are there any known faults or other lines of weakness due to coal mining at the site?	COAL AUTHORITY Consultants Coal Mining Report (Reference No. 51003553952001) BGS mapping Sheet 076 Rochdale	There are no geological faults, fissures and/or break lines within the site boundary, or within 100m of the site boundary.
Has the site been subject to any remedial works by or on behalf of the Coal Authority under its surface hazard call out procedures?	COAL AUTHORITY Consultants Coal Mining Report (Reference No. 51003553952001)	Report indicates that the site has not been subject to remedial works by or on behalf of the Authority under its Emergency Surface Hazard Call Out procedures

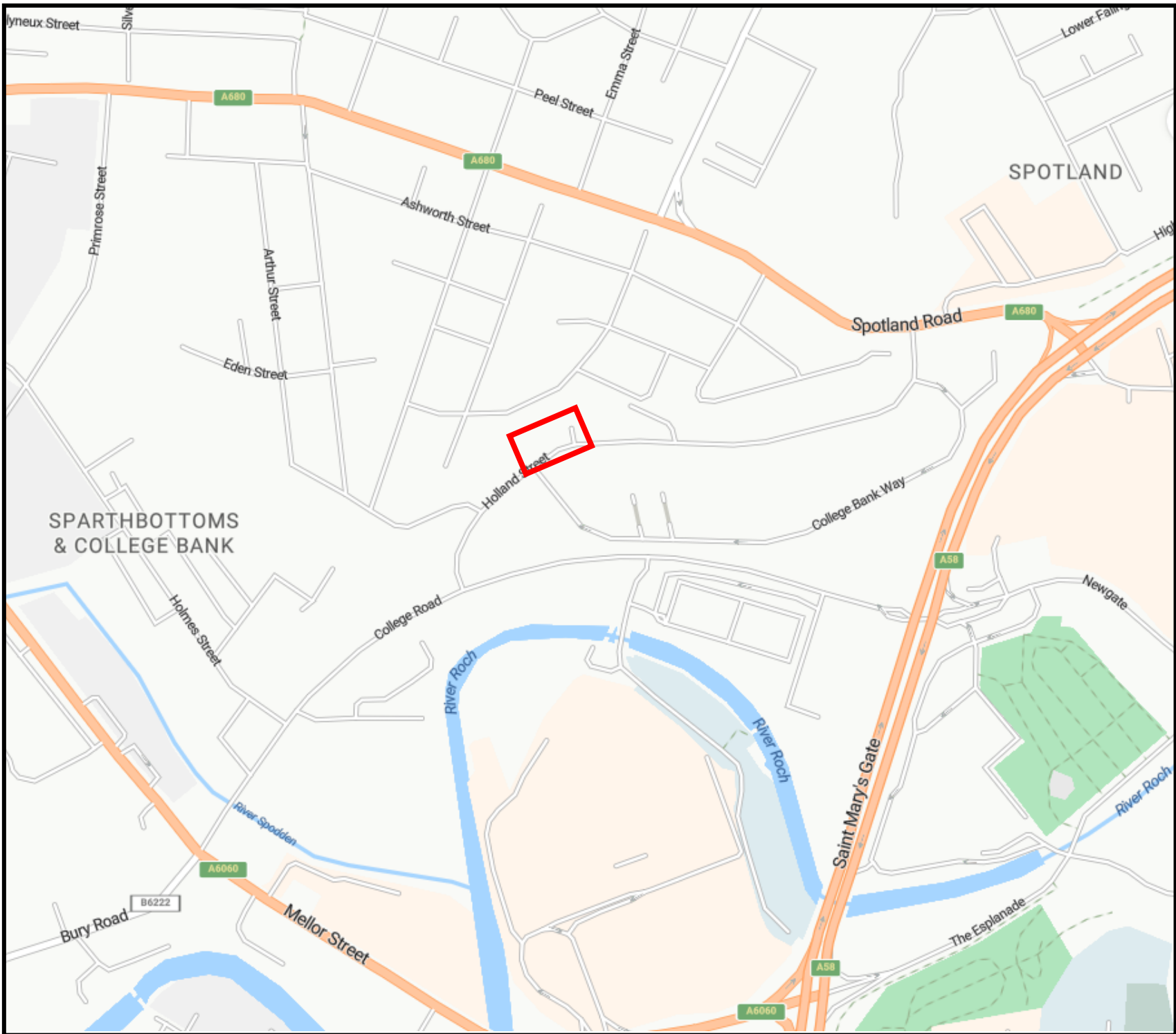
7.0 COAL MINE RISK ASSESSMENT CONCLUSIONS & RECOMMENDATIONS

Taking account of the prevailing geology, and the advice contained in the **COAL AUTHORITY CONSULTANTS COAL MINING REPORT**, it is concluded that a risk of the presence of unrecorded shallow workings cannot be ruled out. Shallow workings, if present, could present a risk to the stability of the building. On this basis, it is recommended that an intrusive investigation for mining related voids be carried out. In accordance with the guidance contained in CIRIA 758, it is recommended that the investigation comprises the sinking of 3nr boreholes by rotary open hole drilling methods. Boreholes should extend to 40mbgl and when being sunk, should be continuously monitored for evidence of broken ground / flush loss / changes in arisings, and for mine gas emissions. Should the observed conditions indicate, then it may be possible to commute the investigation to 2nr boreholes.

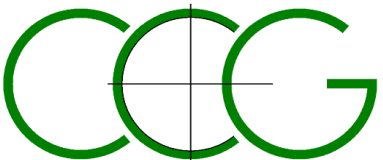
An interpretative report should be prepared discussing the findings of the investigation, and if appropriate providing advice on the scope of any required ground treatment.

APPENDIX A

DRAWINGS



Site Location 



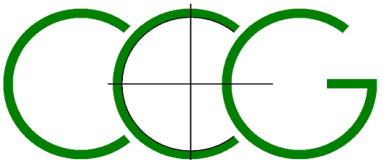
CC GEOTECHNICAL LIMITED
UNIT 1 DELTIC WAY
KNOWSLEY INDUSTRIAL ESTATE
LIVERPOOL
L33 7BA
0151 545 2750

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Project: Coal Mine Risk Assessment Report For Land At The Golden Mosque, Rochdale	
Title: Site Location Plan	
Scale: NTS	Drawing No: 26-16061-1
Created by: KH	Date: 19/02/26
Project No. CCG-C-26-16061	Revision No. 0

CC GEOTECHNICAL LIMITED



Site Location



CC GEOTECHNICAL LIMITED
UNIT 1 DELTIC WAY
KNOWSLEY INDUSTRIAL ESTATE
LIVERPOOL
L33 7BA
0151 545 2750

Client:

Footprint Design Ltd

Project:

Coal Mine Risk Assessment Report For Land At
The Golden Mosque, Rochdale

Title:

Site Aerial Location Plan

Scale:

NTS

Drawing No:

26-16061-2

Created by:

KH

Date:

19/02/26

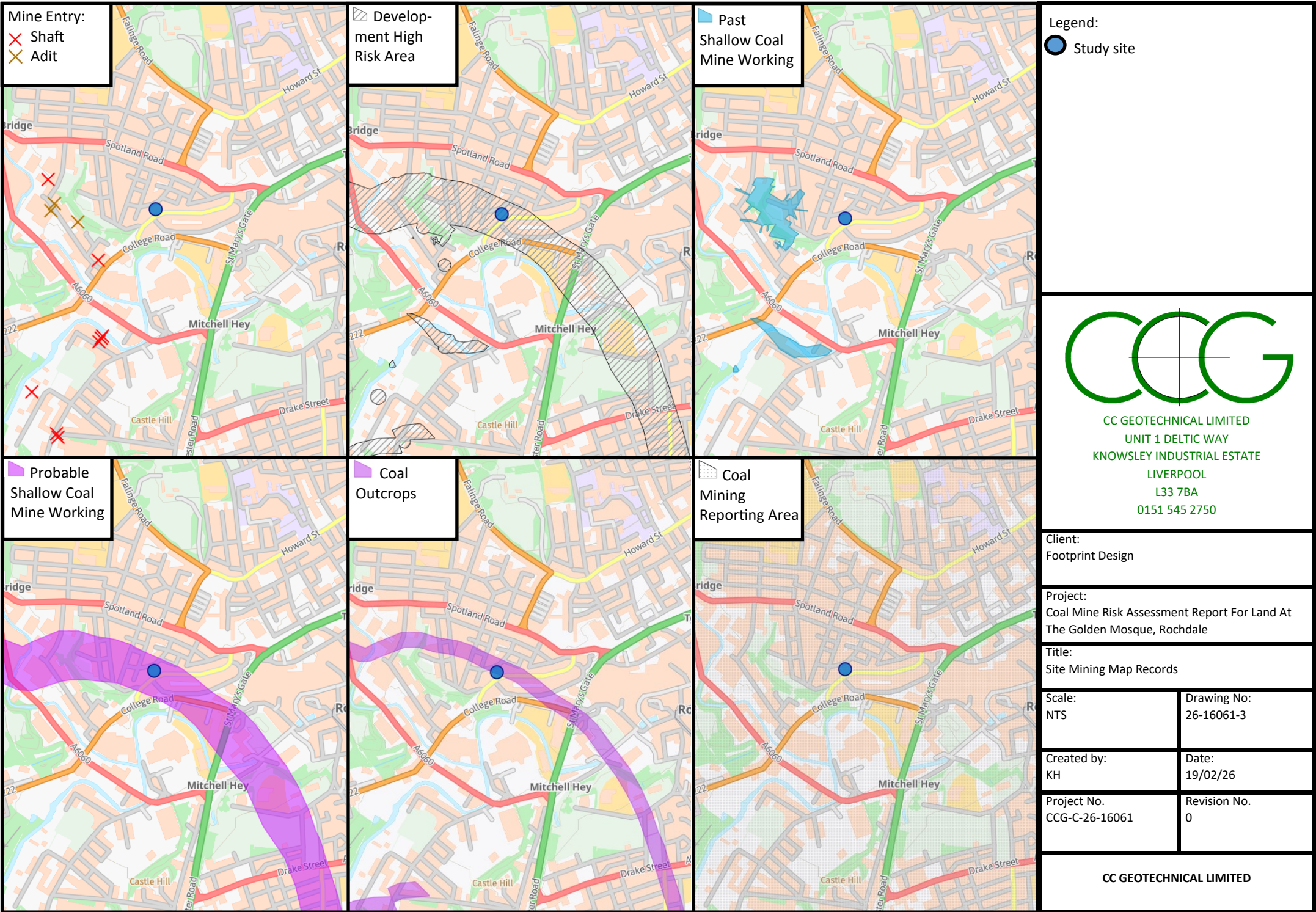
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Revision No.

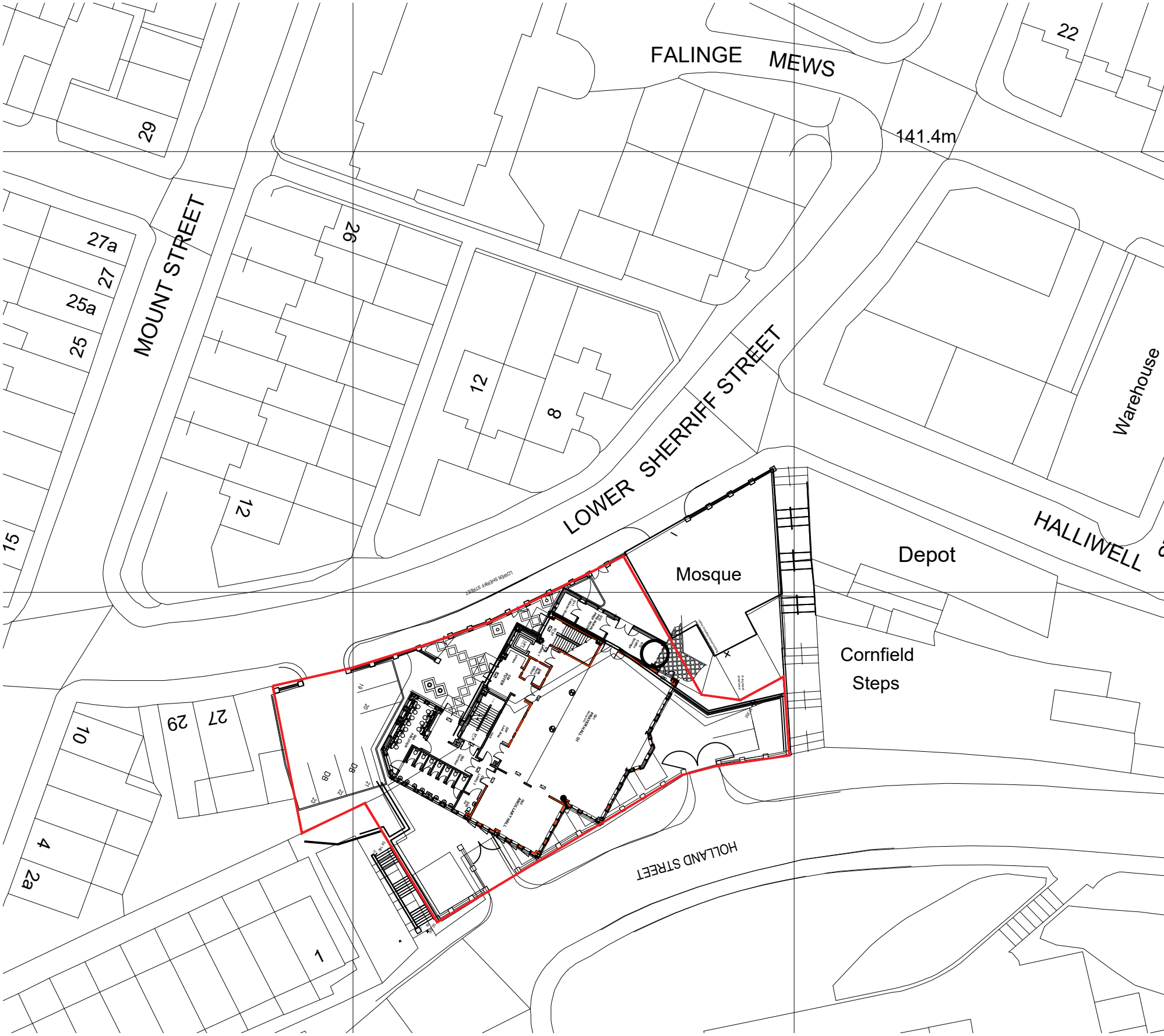
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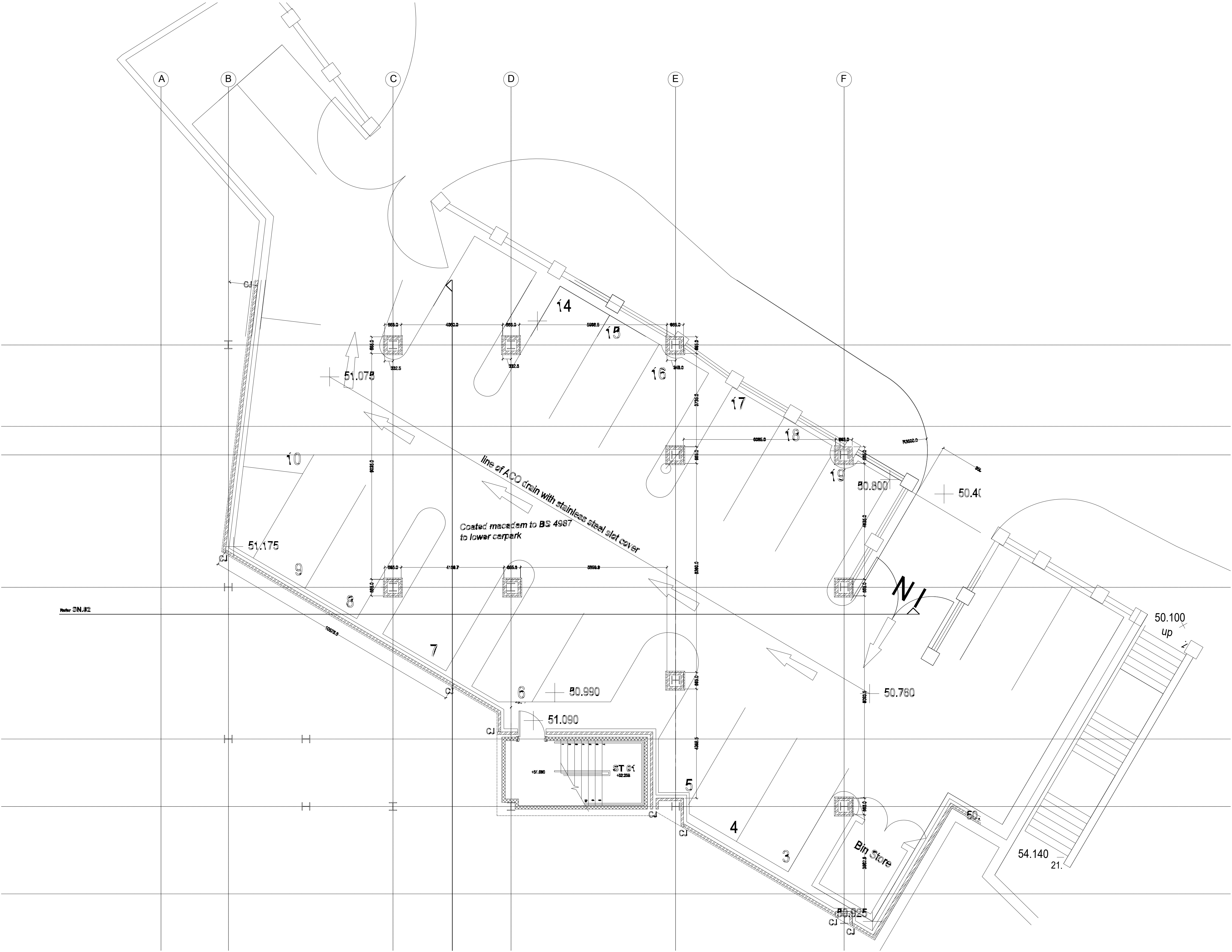




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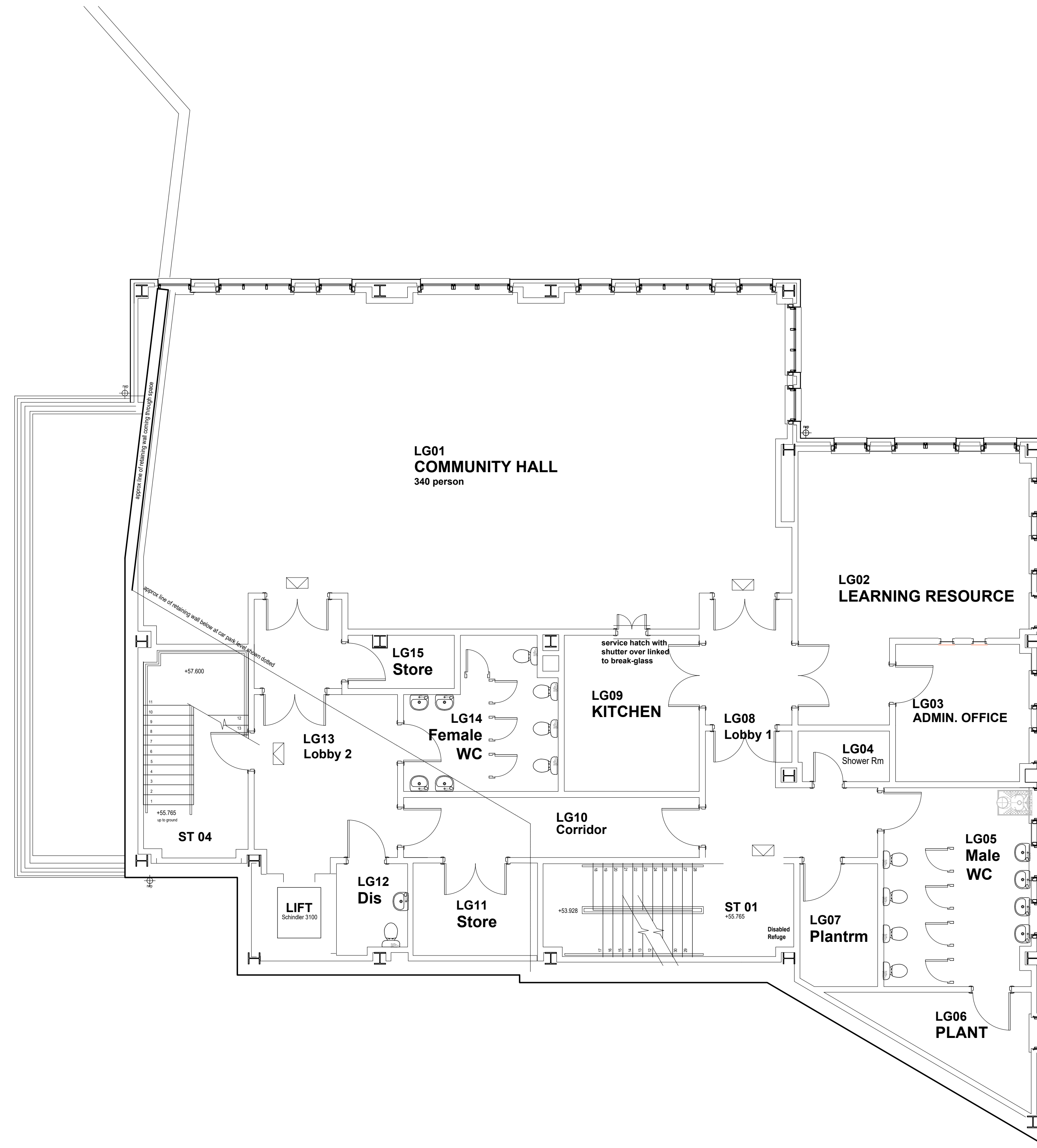
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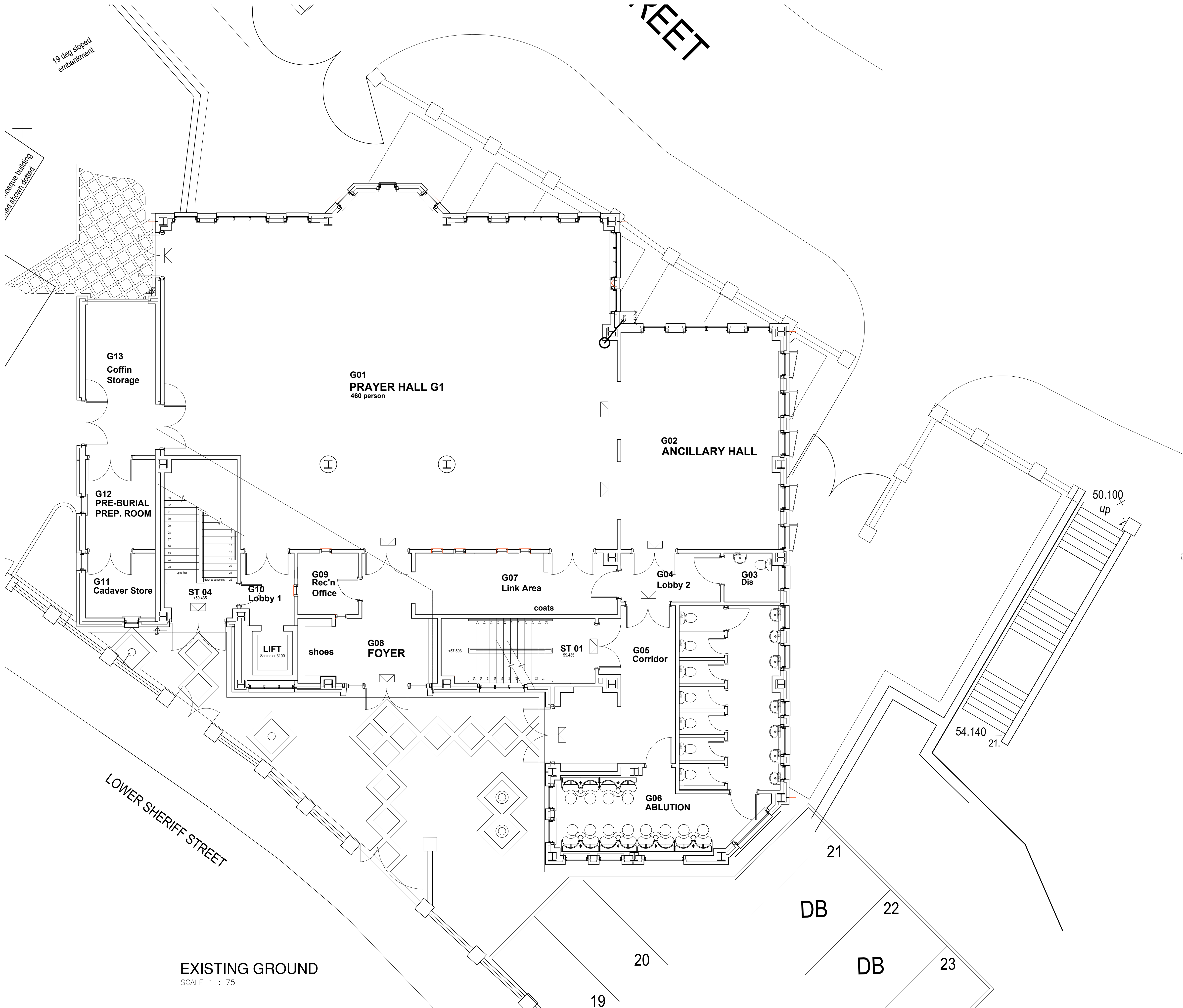
EXISTING BASEMENT CAR PARK
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IMPORTANT NOTES: Do Not Scale from this Drawing.
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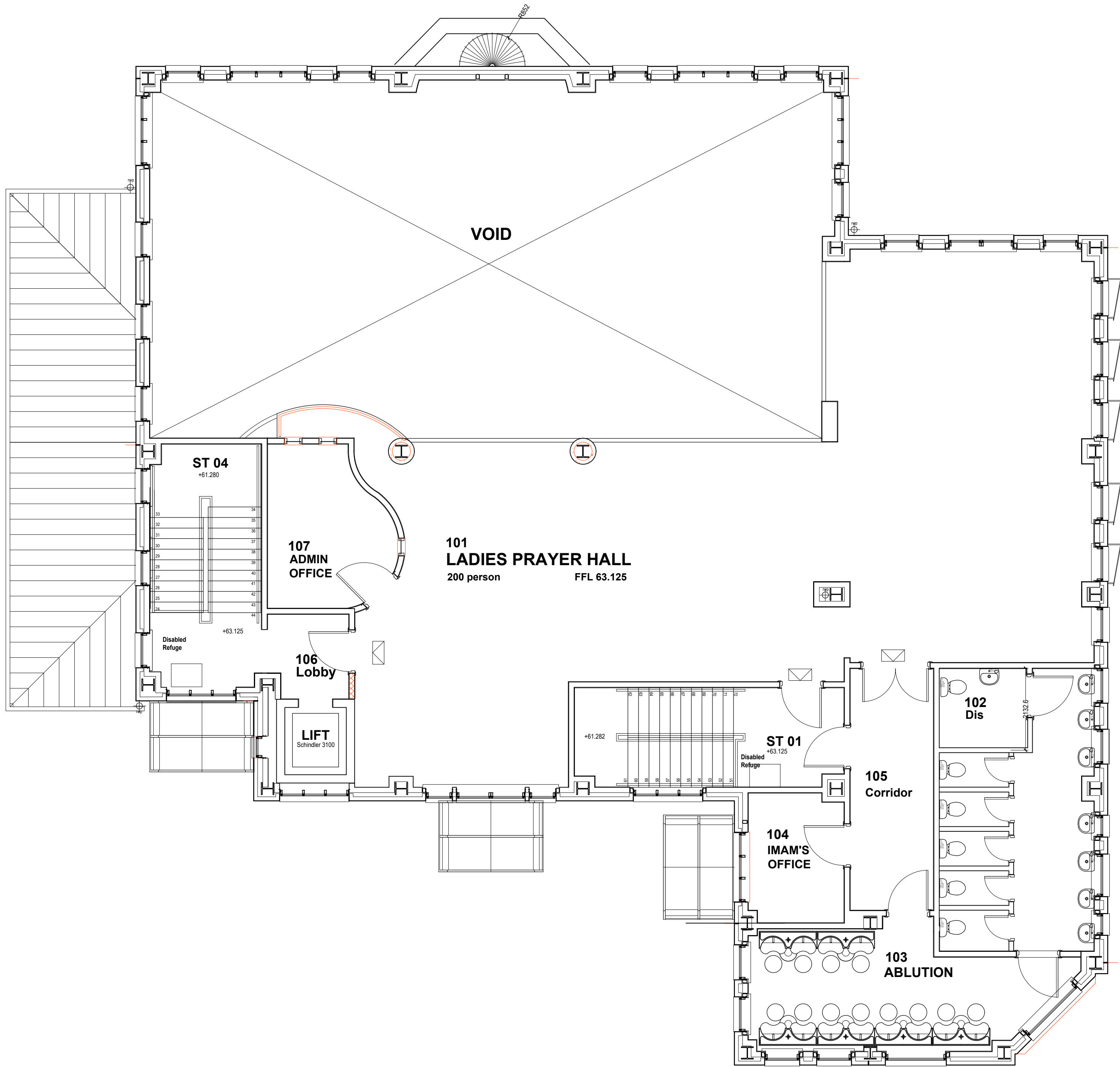


EXISTING LOWER GROUND
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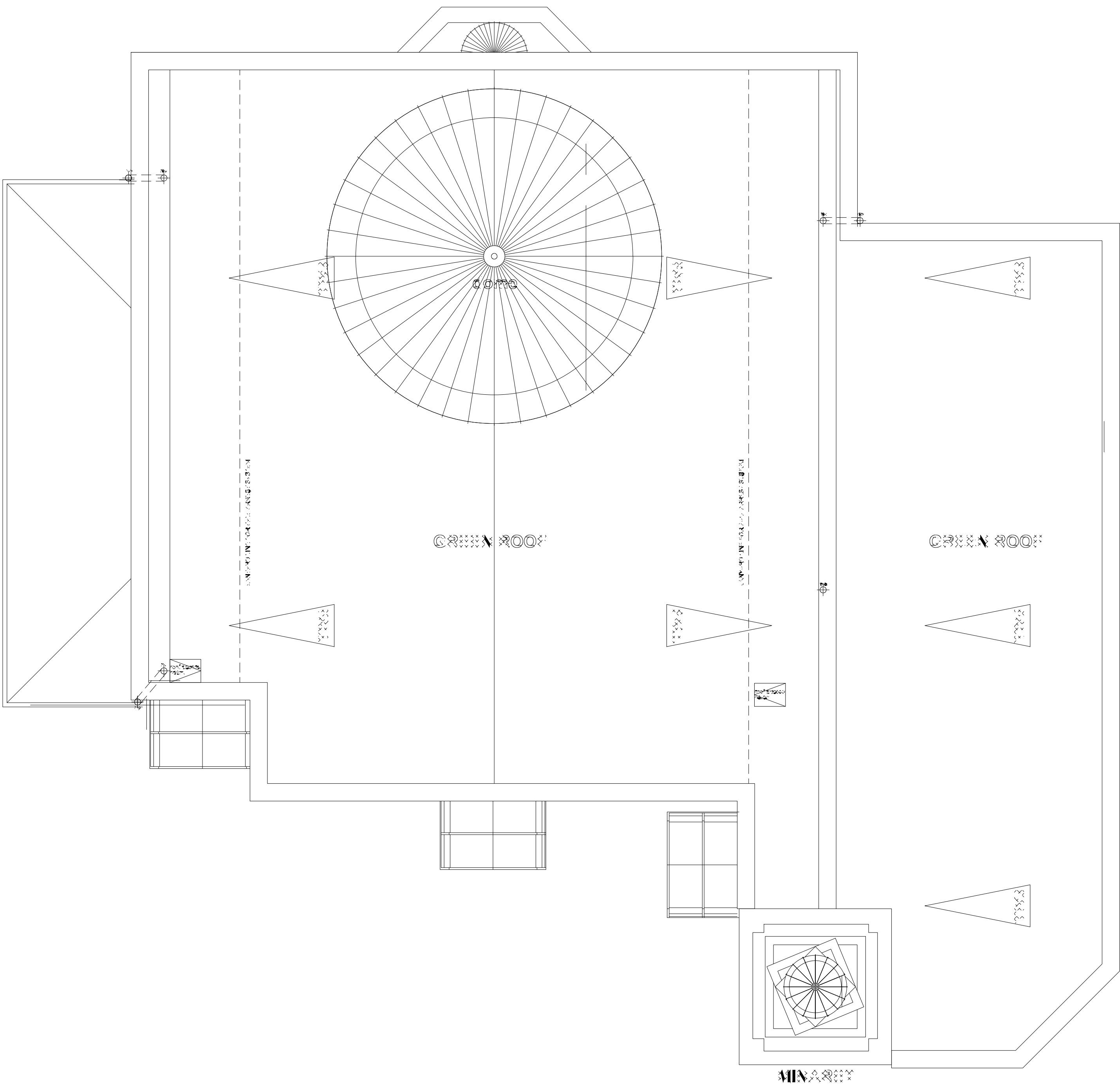


EXISTING FIRST

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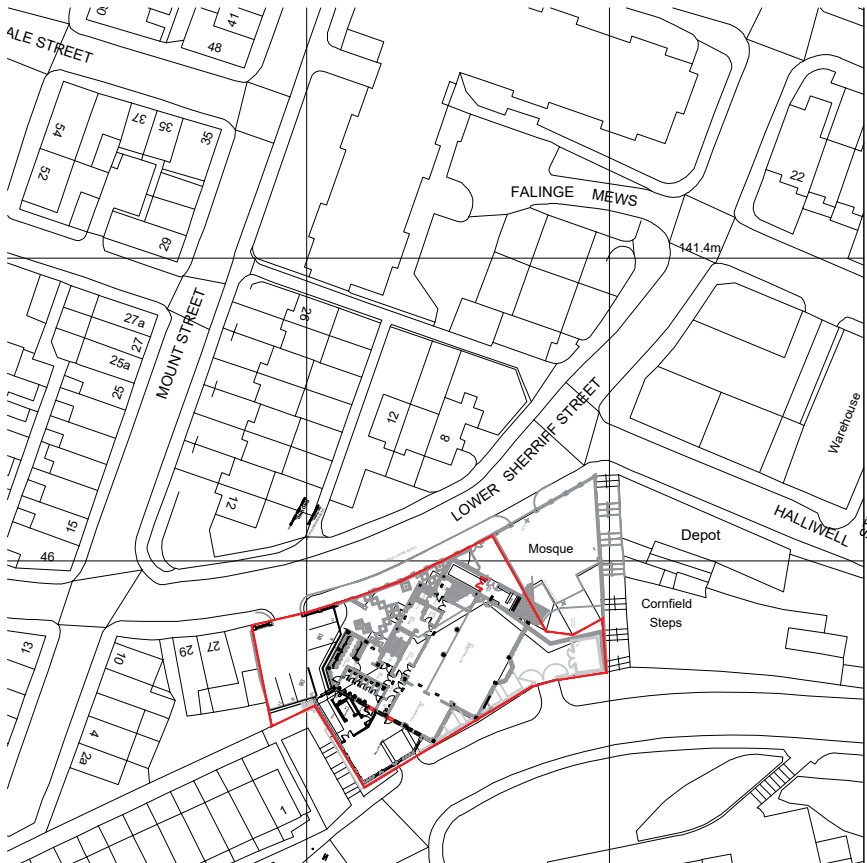
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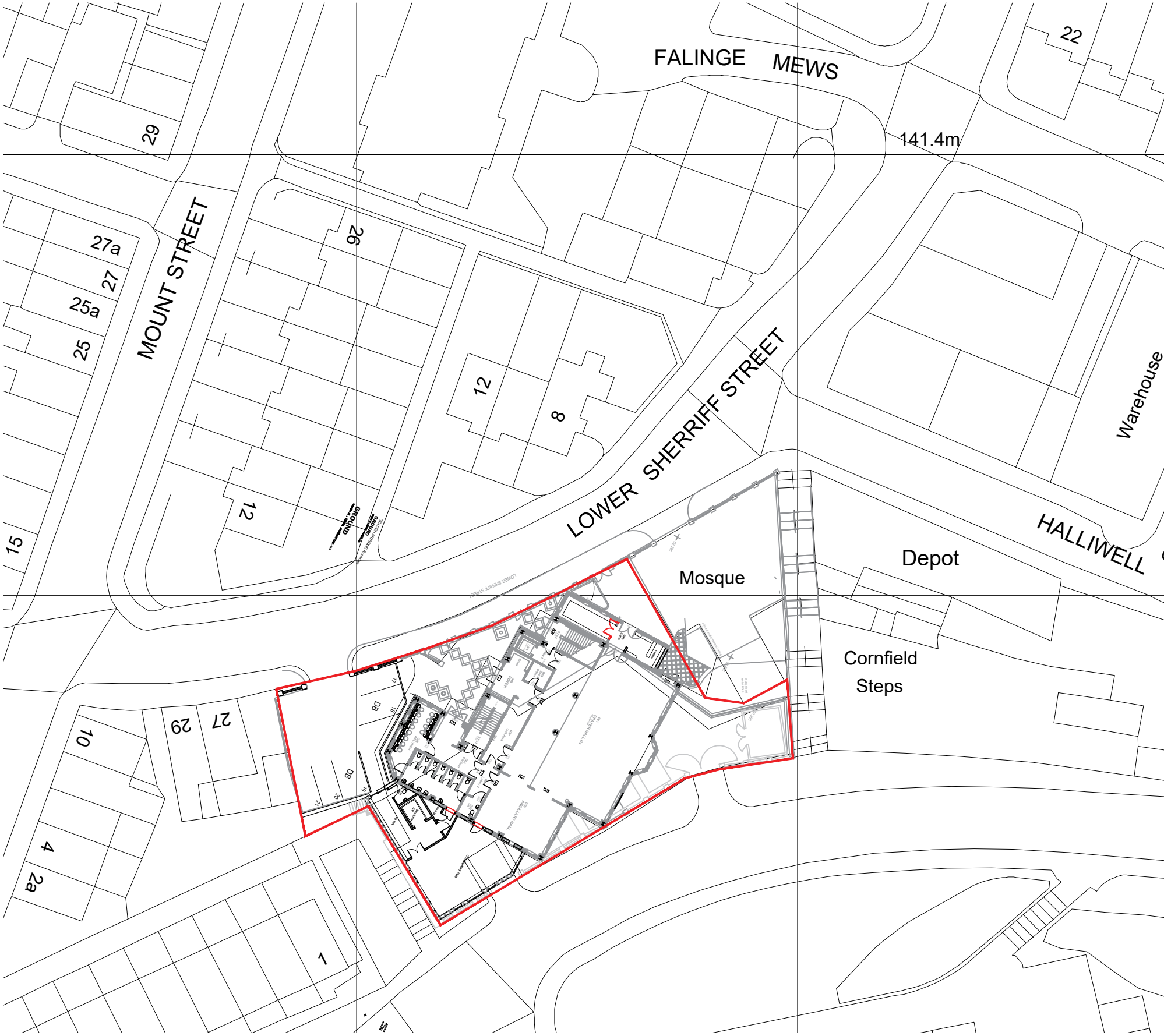
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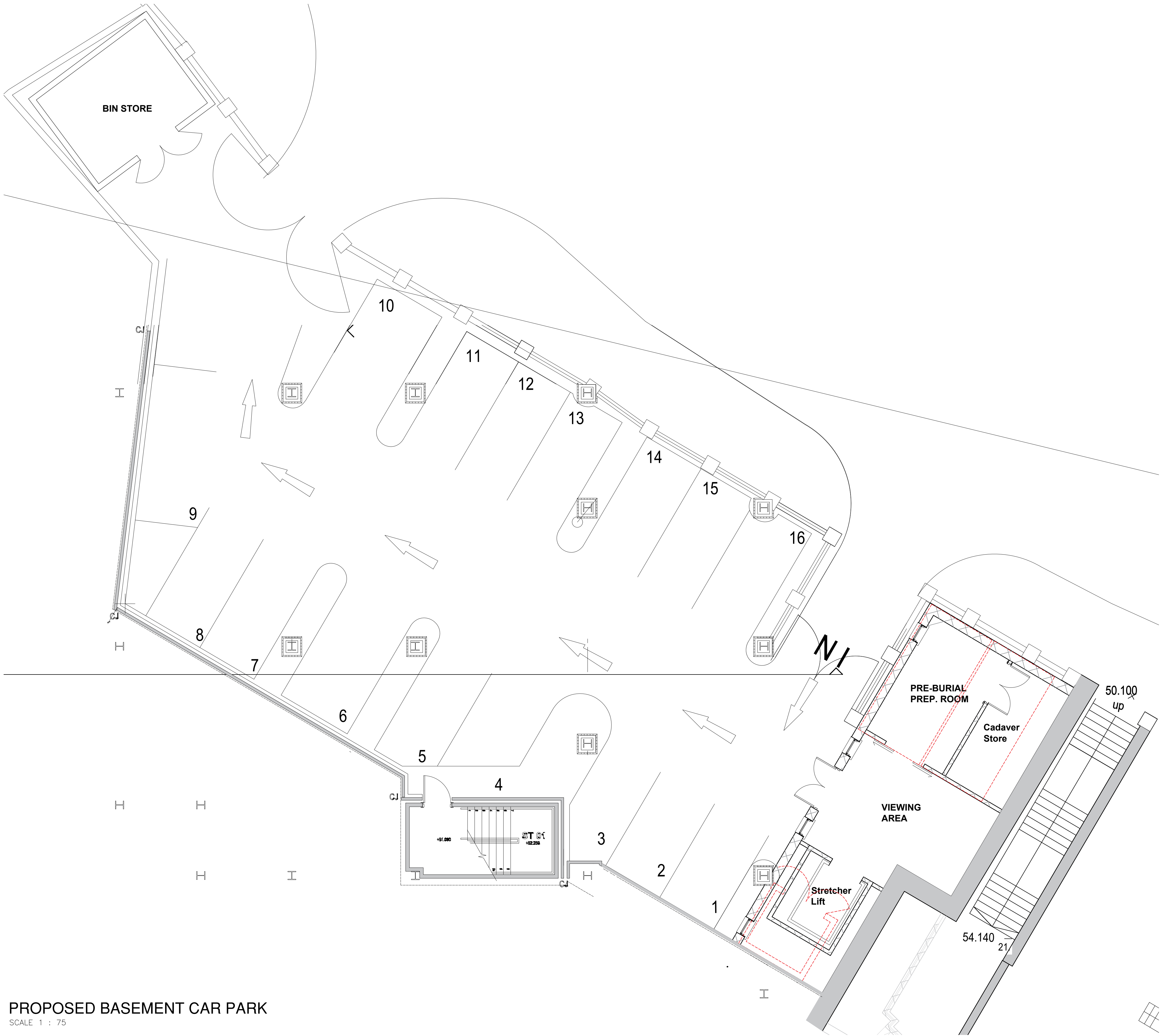


PROPOSED SITE LOCATION PLAN
SCALE 1 : 1250



PROPOSED SITE PLAN
SCALE 1 : 500

IMPORTANT NOTES: Do Not Scale from this Drawing. Use Figured Dimensions Only.			DRAWING STATUS: PRELIMINARY			FOOTPRINT DESIGN E: info@footprintdesign.net W: www.footprintdesign.net		
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			DRAWING TITLE: PROPOSED SITE PLAN			DRAWING NO: A146_L(00)1100		



PROPOSED BASEMENT CAR PARK
SCALE 1 : 75

EXISTING

PROPOSED

DEMOLITION LINE

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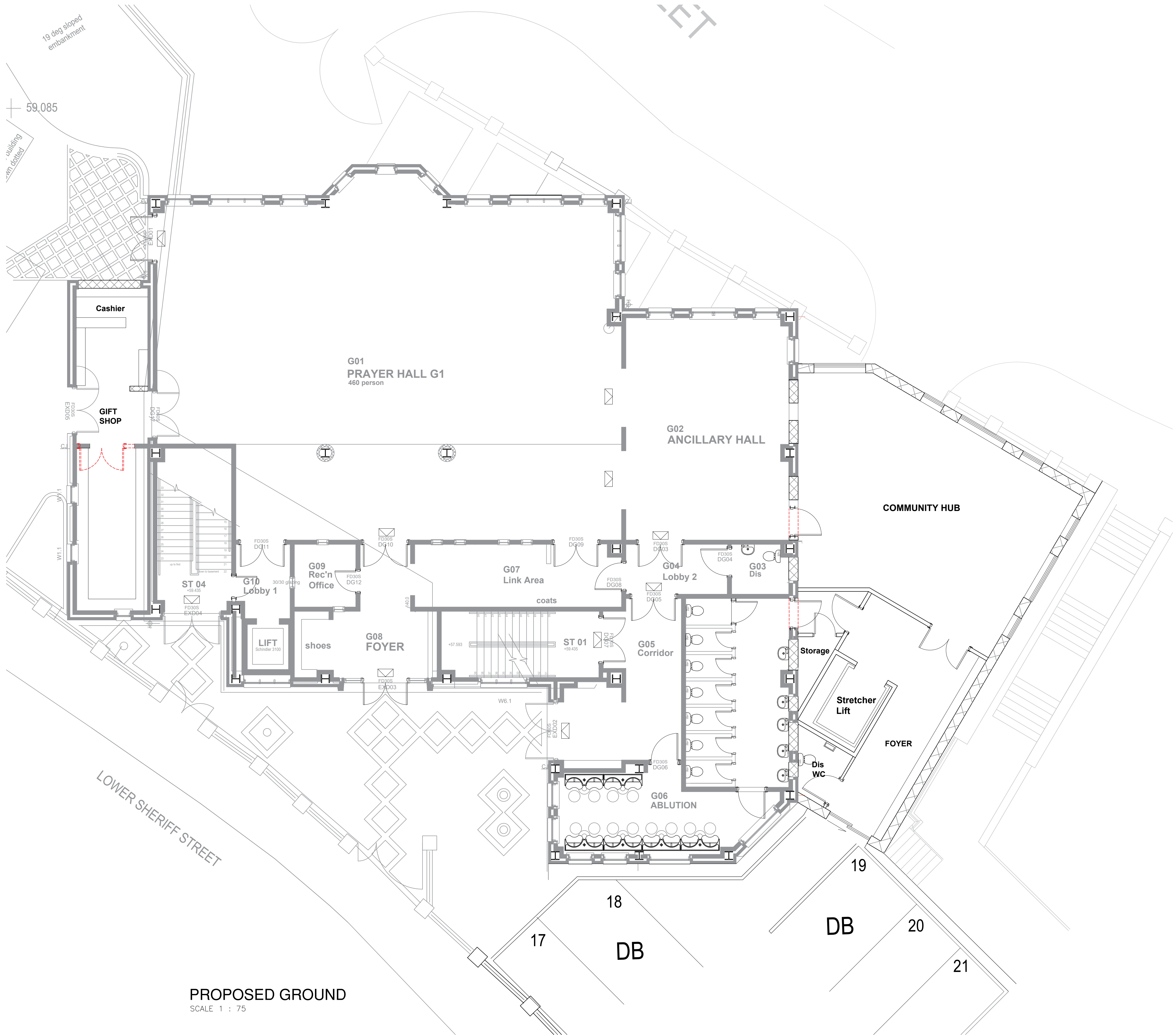
PROPOSED LOWER GROUND
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EXISTING

PROPOSED

DEMOLITION LINE

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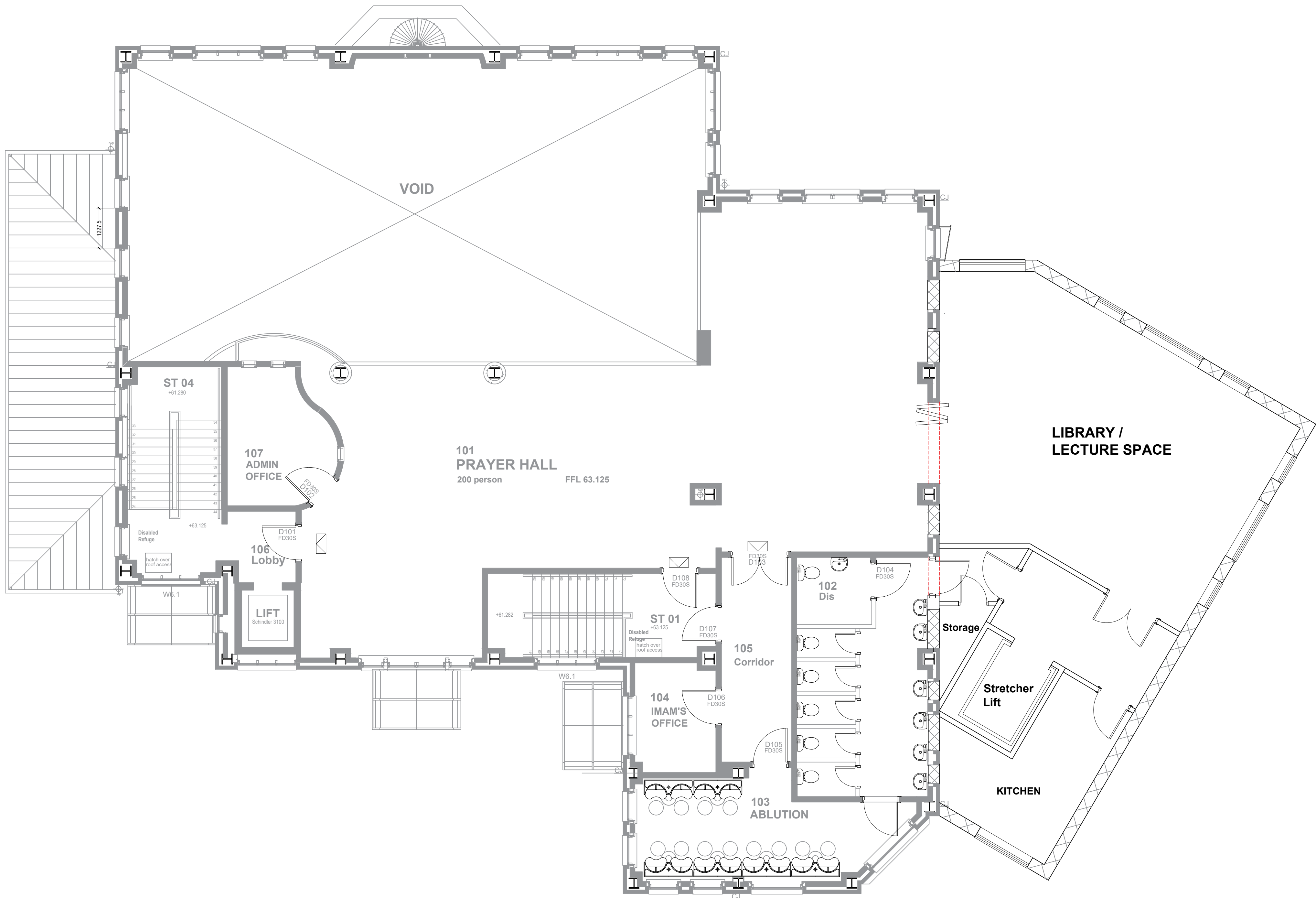


PROPOSED GROUND
SCALE 1 : 75

- EXISTING
- PROPOSED
- DEMOLITION LINE

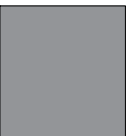
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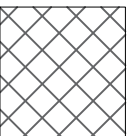


PROPOSED FIRST FLOOR

SCALE 1 : 75



EXISTING



PROPOSED



DEMOLITION LINE

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E. info@footprintdesign.net
W. www.footprintdesign.net

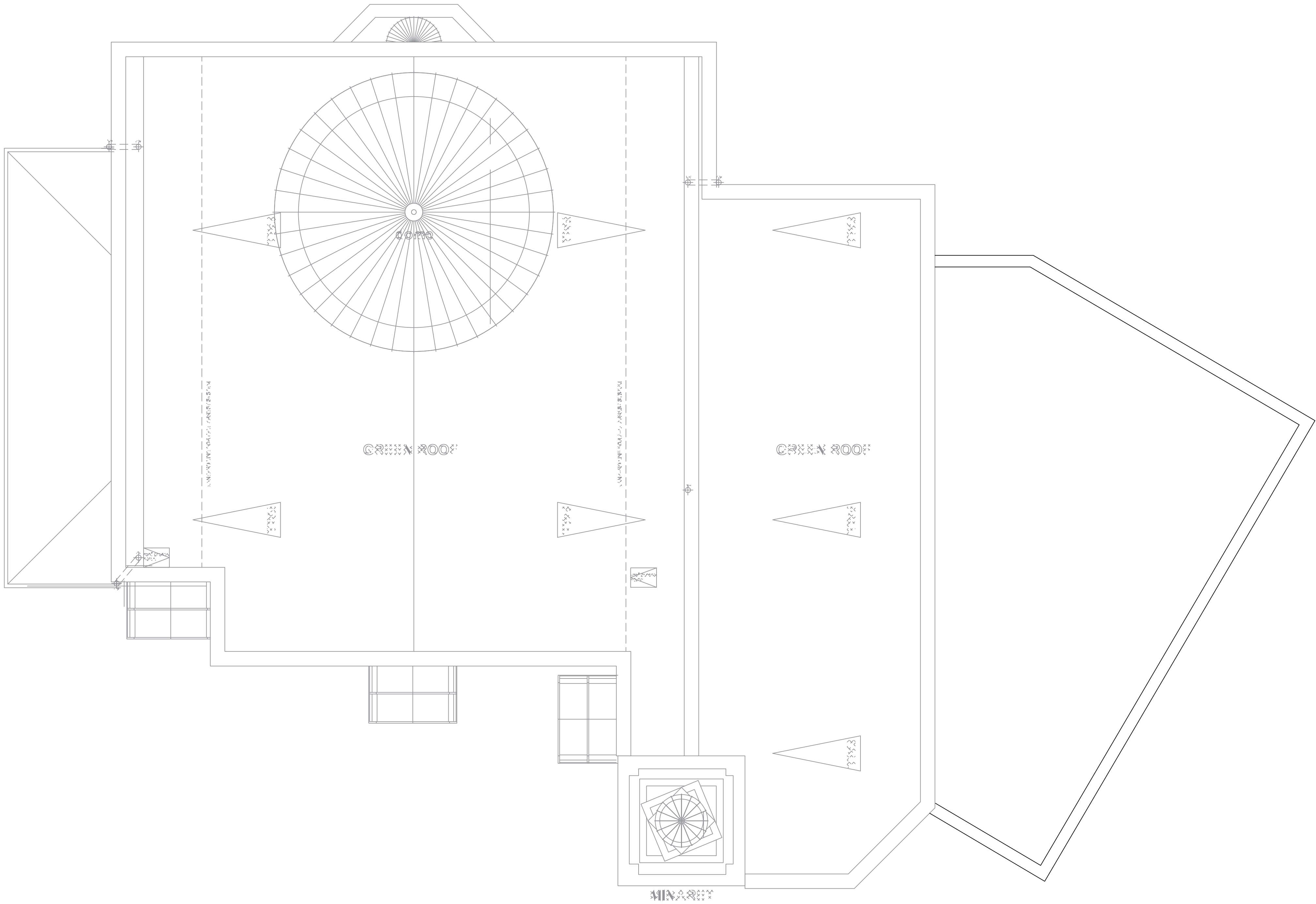
CLIENT: GOLDEN MOSQUE

SCALE: 1:75@A1 DATE: 03.03.25

PROJECT: GOLDEN MOSQUE, ROCHDALE

DRAWING TITLE: PROPOSED GROUND FLOOR

DRAWING NO: A146_L(00)021



PROPOSED ROOF
SCALE 1 : 75

IMPORTANT NOTES: Do Not Scale from this Drawing.
Use Figured Dimensions Only.

DRAWING STATUS:			FOOTPRINT DESIGN		
INFORMATION			E: info@footprintdesign.net W: www.footprintdesign.net		
REVISION	DATE	DESCRIPTION	CLIENT: GOLDEN MOSQUE	SCALE: 1:75@A1	DATE: 03.03.25
			PROJECT: GOLDEN MOSQUE, ROCHDALE		
			DRAWING TITLE: PROPOSED ROOF PLAN		
			DRAWING NO: A146_L(00)022		

APPENDIX B

COAL AUTHORITY MINING REPORT



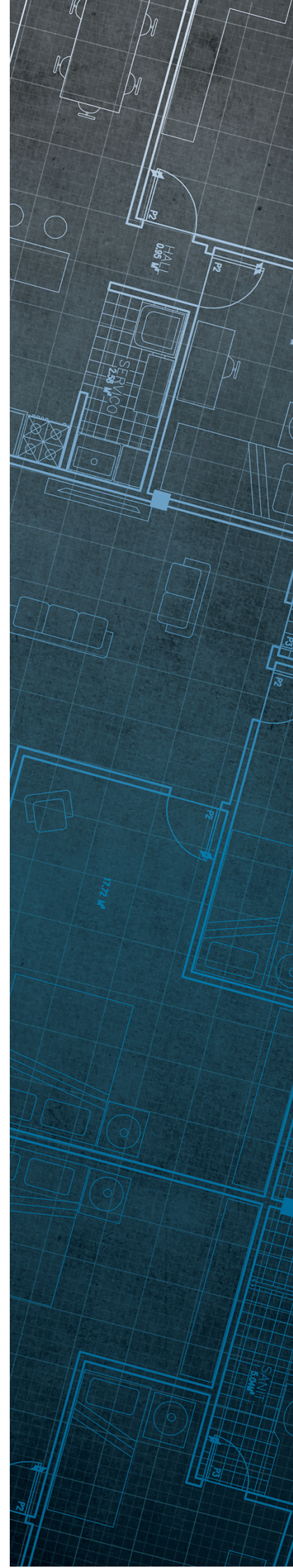
The Coal
Authority

Consultants Coal Mining Report

8 Lower Sherriff Street
Rochdale
Rochdale
OL12 6TG

Date of enquiry:	18 February 2026
Date enquiry received:	18 February 2026
Issue date:	18 February 2026

Our reference:	51003553952001
Your reference:	CCG-C-26-16061



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

Kenneth Hignett

Enquiry address

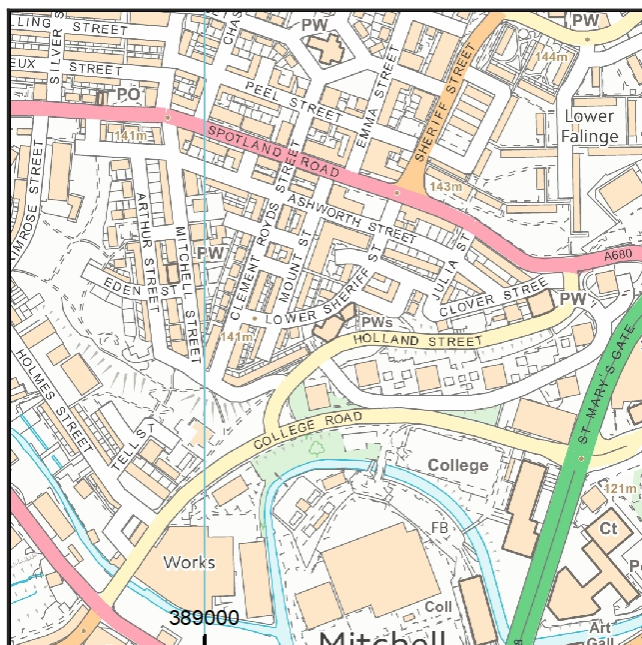
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Approximate position of property



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Section 1 – Mining activity and geology

Past underground mining

No past mining recorded.

Probable unrecorded shallow workings

Yes.

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:

PO0	16820	115
-----	-------	-----

For assistance in identifying the specific abandoned mine plans relevant to your requirements, **please contact us at InformationManagers@MiningRemediation.gov.uk**.

Outcrops

Seam name	Mineral	Seam workable	Distance to outcrop (m)	Direction to outcrop	Bearing of outcrop
ARLEY	Coal	Yes	23.3	North-East	293

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 **email us at reports@miningremediation.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.

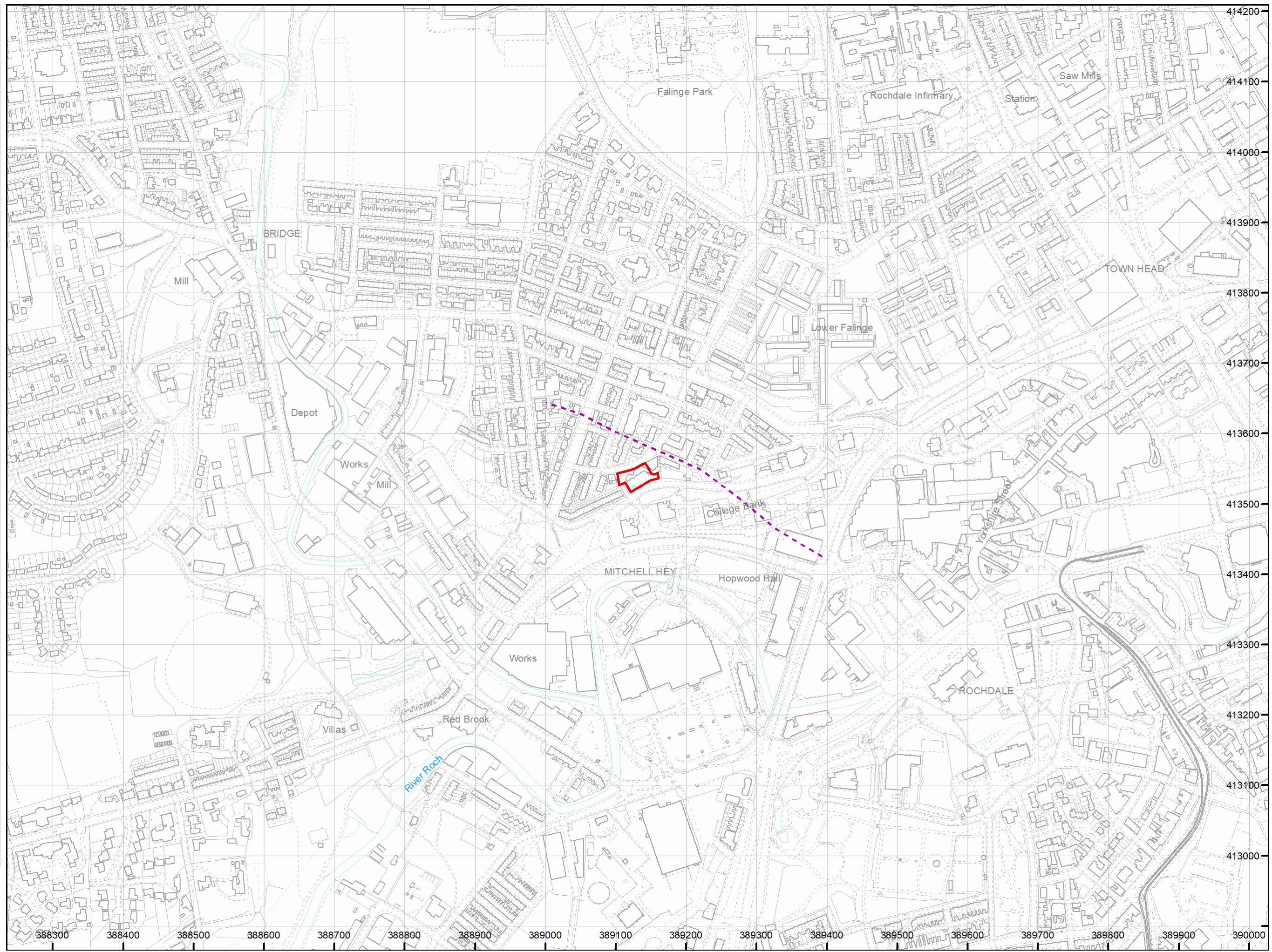
The map highlights any specific surface or subsurface features within or near to the boundary of the site.

Key

Approximate position of the enquiry boundary shown 

Outcrop (Conjectured) 

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reports@miningremediation.gov.uk



APPENDIX C

BGS BOREHOLE LOGS



Nat Grid Ref SD 8923 1349 Our Ref SD 81 SE 21

60

Widney's Rochdale Development Site

Borehole 9

Drift (see borers log)

Sandstone grey medium grained ganister-like

Siltstone, grey to black laminated

Siltstone grey finely laminated almost a sst in places, iron

stained along joint planes, grading at base into silty shale

Mudstone dark micaceous with frequent very thin siltstone

laminae, plants throughout

Mudstone grey micaceous

Mudstone grey mic; finely laminated with siltstone

Mudstone darker grey, broken to a mush from 87

Mudstone black rather broken in places, Mussels at 91

96,98,99 ft, planolites, ostracods

Mudstone grey with mussels becoming broken

Mudstone black with ostracods, mussels at 110-6, 112 some

fish scales, ironstone bands in lower part.

Shale grey, plant fragments increasing, some carbonaceous

small shell at 121-6

Seat-earth grey

Mudstone silty grey

Mudstone grey with thin siltstone bands here and there

Mudstone grey brown with siltstone bands and iron stone

bands

Siltstone grey grading into fine grained sandstone

Sandstone fine grained darker, iron-stained along joints

Shale light grey silty in the upper part

Sandstone grey fine grained, shale parting in the middle

Mudstone grey silty turbulently-bedded

Sandstone grey fine grained with micaceous partings

Mudstone grey micaceous with silty partings

mudstone grey

Mudstone grey, silty in places

Mudstone dark grey not examined

44	13.41
46	14.02
54	16.46
64	19.51
77	23.47
79	24.08
85	25.91
88	26.82
104	31.70
108-6	33.07
118-6	36.12
121-6	37.03
125	38.10
126	38.40
143-6	43.74
148-6	45.26
153-6	46.79
156	47.55
162-6	49.53
166-7	50.77
167-7	51.08
175-8	53.44
177-8	54.15
190-6	58.06
202	61.57
212-6	64.71

APPENDIX D

NOTES ON LIMITATIONS

Notes on Limitations For Geoenvironmental and Geotechnical Consultancy Services

General

This document has been prepared by CC GEOTECHNICAL LTD within the terms of the contract, scope of work, and resources agreed in writing with the client. The limitations of liability of CC GEOTECHNICAL LTD for the contents of this document have been agreed with the Client, as set out in the terms and conditions of offer and related contract documentation.

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The findings and opinions provided in this document are made in good faith and are subject to the limitations imposed by employing site assessment methods and techniques, appropriate to the time of investigation and within the limitations and constraints defined in this document.

The findings and opinions are relevant to the dates when the assessment was undertaken, but should not necessarily be relied upon to represent conditions at a substantially later date. In particular, seasonal groundwater levels, with the effects of precipitation, may affect the conditions found during the investigation. The report should be read in conjunction with the further Notes on Limitations included in Appendix A.

Where opinions expressed in this report are based on current available guidance and legislation, no liability can be accepted by CC GEOTECHNICAL LTD for the effects of any future changes to such guidelines and legislation. Additional information, improved practices, new guidance, changes in legislation, or amendments to design proposals, may necessitate this report having to be reviewed in whole or in part after that date. Opinions and interpretations are not accredited by UKAS.

Factual data contained in this report may have been obtained from enquiries with reputable third parties, the results of which are relied on unless indicated to be inaccurate by contradictory information.

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1. the consequences of this document being used for any purpose or project other than for which it was commissioned
and/or
2. the consequences of use of this document by any party with whom an agreement has not been executed.

Phase I Environmental Audits / Desk Studies

The work undertaken to provide the basis of a Phase 1 Desk Study report comprises a study of available documented information from a variety of sources (including the client), together with (where appropriate) a brief walk over inspection of the site and meetings and discussions with relevant authorities and other interested parties. The opinions given in a Desk Study report have been dictated by finite data on which they are based and are relevant only to the purpose for which the report was commissioned. The information reviewed should not be considered exhaustive and has been accepted in good faith as providing true and representative data pertaining to site conditions. Should additional information become available which may affect the opinions expressed in the report, CC GEOTECHNICAL LTD reserves the right to review such information and to modify the opinions accordingly.

It should be noted that any risks identified in this report are perceived risks based on the information reviewed; actual risks can only be assessed following a physical investigation of the site.

Factual Ground Investigations

The investigation of the site has been carried out in accordance with the scope and specification instructed by the Client. No interpretations of the data generated by the investigation have been provided or implied. The exploratory holes undertaken in this commission, investigate only a small volume of the ground in relation to the size of the site, and can only provide a general indication of site conditions. Conditions may exist on the site which have not been detected by the works undertaken. Furthermore, the number of sampling points and the methods of sampling and testing do not preclude the existence of localised "hotspots" or more widespread contamination where concentrations may be significantly higher than those actually encountered.

Interpretative Phase II Environmental Audits

The investigation of the site has been carried out with the intention of providing sufficient information concerning the type and degree of contamination, and ground and groundwater conditions to allow a reasonable risk assessment to be made. The objectives of the investigation have been limited to establishing the risks associated to potential human targets, building materials, the environment (including adjacent land), and surface and groundwater.

The amount of exploratory work and chemical testing undertaken may have been restricted by factors including inter alia the Clients budget, the available timescale, access to all parts of the site, the existence of buried services etc., and where this is the case, a more comprehensive investigation may be required if the site is to be redeveloped, since a number of important engineering and environmental issues may need further assessment.

For those reasons, if costs have been included in relation to site remediation these must be considered as tentative only and must, in any event, be confirmed by a qualified quantity surveyor.

It must be borne in mind, that the exploratory holes undertaken, investigate only a small volume of the ground in relation to the size of the site, and can only provide a general indication of site conditions. The opinions provided and recommendations given in this report are based on the ground conditions apparent at the site of each of the exploratory holes. There may be ground conditions present on the site which have not been disclosed by this investigation, and which have therefore not been taken into account in this report. The number of sampling points and the methods of sampling and testing do not preclude the existence of localised "hotspots" or more widespread contamination where concentrations may be significantly higher than those actually encountered. The findings of the investigation are valid for the time of investigation and the passage of time may result in changes to the contamination status of the site, and a reassessment of the site may be required where significant time has elapsed.

Geoenvironmental Ground Investigations

The investigation of the site has been carried out within the constraints of Client budget, available timeframe, access to all parts of the site, the existence of buried services and a more comprehensive investigation may be required to provide sufficient information regarding the type and degree of contamination, geotechnical characteristics, and ground and groundwater conditions, to formulate a reasonable assessment of the environmental risks together with engineering and development implications.

If costs have been included in relation to the site remediation, these must be confirmed by a qualified quantity surveyor.

The exploratory holes undertaken, investigate only a small volume of the ground in relation to the size of the site, and can only provide a general indication of the site conditions. The opinions provided and recommendations given in this report are based on the ground conditions apparent at the site of each of the exploratory holes. There may be ground conditions present on the site which have not been disclosed by this investigation, and which have therefore not been taken into account in this report. The findings of the investigation are valid for the time of investigation and the passage of time may result in changes to the contamination status of the site, and a reassessment of the site may be required where significant time has elapsed.

The comments made on groundwater conditions are based on observations made at the time that site work was carried out. It should be noted that groundwater levels will vary owing to seasonal, tidal, weather, or other effects.

The risk assessment and opinions provided, inter alia, take into consideration currently available guidance relating to acceptable contamination concentrations and no liability can be accepted for the retrospective effects of any future changes or amendments to these values.