



No 8 and 8a St John Street,
Manchester.

Method Statement and
Risk Assessment

For Vision Developments

Date: 26 July 2024

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Method Statement Risk Assessment

DOCUMENT CONTROL SHEET

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Register of Method Statement Briefing

Following a briefing on the full contents of this Method Statement and Risk Assessment (MSRA), to all persons involved with, or who may be affected by, the works covered, the below register is to be signed to confirm that you are aware of your responsibilities relating to these tasks.

After any amendments (detailed in sections 15 and 16) are made to this document, additional briefing of all persons undertaking, or who may be affected by, any of the amendments is required; together with a resigning of the register to confirm acceptance of responsibility for any amended duties. Sub-Contractors can sign this document in acknowledgement of their appended Risk Assessment and Method Statement (RAMS), and by doing so are agreeing to comply with all method and control measures stated in their RAMS.

Forename	Surname	Signature	Company	Date

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1. Scope of Works

- Provision of welfare and standard Health and Safety requirements;
- Service clearance survey at exploratory hole positions (by third party specialist surveyor) and surveying in locations to NGR and Ordnance Datum;
- 1 days (approximately 4 locations) of dynamic 'windowless' sampling with recovery of disturbed samples for geotechnical characterisation and chemical analysis, and in situ (SPT) testing, to assess shallow ground conditions;
- allowance for provision of a coring team with hand held coring equipment;
- installation of gas and groundwater monitoring installations (3 5m in the windowless sampler boreholes);
- full time site supervision by a Hydrock Consultant (1 days allowed); and
- preliminary ground gas concentration and groundwater level monitoring (6 visits over 8 weeks), with groundwater samples (if encountered) being sampled and tested on one occasion.

2. Project Specific Hazards Risks Environmental Factors (tick all appropriate)

Underground services	X	Coring Concrete	X	Suspected asbestos	X	Manual handling	X
Tools and equipment	X	Excessive noise	X	The Public/Vehicles	X	Contaminated soils	X

The health and safety requirements of Hydrock's geo technical and geo environmental construction activity must not be compromised at any time. If an activity cannot be undertaken safely, it should not take place. **You are empowered to stop the works at any time if you or your colleagues do not feel safe.** Contact your line Manager and the Health and Safety department for further advice and guidance if you feel unsafe.

Covid-19 - There is a risk of exposure to Coronavirus during these works and operatives are to be briefed on this risk during the site induction.

Underground Services - service plans have been obtained prior to site works commencing and all exploratory locations have been located away from any known services. All locations will be scanned with CAT, Genny and GPR scanned by a specialist sub-contractor and the Hydrock site supervisor will complete a secondary CAT & Genny scan prior to breaking ground to confirm the absence of any underground services. Within Made Ground CAT scanning will take place at 300mm increments.

Suspected Asbestos - If any asbestos is found during the site investigation, works must stop. If the suspected material is bonded then the engineer will sample the material using the correct RPE and wearing a Tyvek suit and sent for analysis. If the material is fibrous Hydrock asbestos manager will be consulted prior to undertaking the above methodology. Following sampling bonded material, the excavation can recommence providing the material isn't broken up further, if fibrous material is encountered the excavation should be backfilled immediately (See methodology below).

Manual Handling - All Hydrock staff have undertaken manual handling training. Engineers and operatives are to wear cut resistant gloves to protect against cuts and abrasion injuries to hands. The Engineer will ensure that arrangements to minimise manual handling of samples and equipment have been agreed and put into place, which include reducing the distance of any

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manual handling to as shorter distance as possible, employing mechanical or semi mechanical means of transporting samples and equipment.

Tools and equipment – to only be used by people suitably experienced or trained. Any defective equipment will be reported to the site manager and not used until the fault is rectified. Subcontractors using a drilling rig/ concrete corer will be required to carry out a daily inspection checklist before the start of each shift with any noted defects rectified before plant is utilised.

Excessive Noise - Where there is excessive noise from drilling rig, ear defenders/protection will be worn when in close proximity to the noise and where the noise levels are high. See sub-contractors RAMs for task specific details.

The Public/Vehicle – Although the site is situated in Manchester City Centre it is fenced off in its entirety. Once onsite the main gate will remain closed with "Danger Keep Out" signs placed at the site access. Cone and ticker tape will be placed across the site access.

An access road and pavement transect the rear of the site, as far as reasonably practicable site vehicles will park so they don't block the road and still allow pedestrian access.

Care and awareness of potential moving vehicles will be taken when mobilising to the exploratory hole locations. Hi-visibility PPE must be worn at all times. Any vehicles reversing back onto Artillery Street must be banked.

Contaminated Soils – There is a potential for the Made Ground soils to be contaminated, and therefore Hydrock safe sampling procedures must be adhered to. Nitrile gloves must be worn when sampling soils and hands to be washed before eating or drinking.

Coring–During coring the operative must wear impact eye protection and hearing protection. Dust will be suppressed using a hand held mist/water spray.

Asbestos

Using all asbestos information from the DS (or previous GI works), complete the worksheet 'JIWG DST work categories FINAL version 2.1'. Once completed, a copy of the output should be saved in Appendix G.

Refer to AGS JIWG 'Assessment and Control of Asbestos Risk in Soil. Part 1: Protection of personnel working on ground investigations' (2021) - specifically Tables 1 and 2, and CAR-SOILTM (2016) for additional guidance on work categories.

If you are still unsure on any aspect of compiling the DST please contact James Macfarlane.

Preliminary Asbestos Assessment

Asbestos Assessment	
Combined hazard and exposure ranking	Very low
Probable Licensing Status	CAR does not apply
Recommended RPE requirements	None
Recommended water suppression	None
Recommended decontamination	None

Note: The preliminary assessment is based on a thorough desk study / review of available asbestos information from previous ground investigations. However, should significant quantities of / degraded visible / 'clearly identifiable, original form (CIOF)' ACM be identified (with a high potential for fibre release), then this will constitute a Health and Safety Hold Point (See section

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12). The excavation will be terminated and backfilled to prevent any fibre release which could breach the control limit (0.1f / ml).

Contaminated Soils

Contaminated soils pose a significant risk to site engineers. The below table issued from the BDA and in association with the AGS sets out a colour coding for low (Green), medium (Yellow) and high (Red) risk categories for ground types. Hydrock's desk study has concluded that this project is **Green** and this document will detail the controls to mitigate exposure to staff through its safe system of works.

BDA SITE DESIGNATION	BROAD DESCRIPTION
GREEN	<p>Substances that have little potential to cause significant permanent harm to humans. Examples would be uncontaminated natural materials including topsoil, hardcore, bricks, stone, concrete, excavated road materials, glass, ceramics, abrasives, wood, paper, fabrics, cardboard, plastics, metal components, wool, cork, ash, clinker, etc provided that these do not contain other substances that could be significantly harmful to humans.</p> <p>Note that topsoil and sub-soil may be contaminated and that there is a possibility of bonded asbestos being present in otherwise inert areas. In these cases a YELLOW Category applies.</p>
YELLOW	<p>Substances that are not sufficiently harmful to potentially cause death, injury or impairment of health but nevertheless require protection to be worn to ensure that any health issues do not arise. Examples would be waste food, vegetable matter, household and garden waste, leather, tyres, rubber, latex, electrical goods and fittings, , non-toxic metals, bitumen, fuel ash and solidified wastes.</p> <p>Where there is potential for significant volumes of ground gas at concentrations that are toxic, flammable or could cause explosion, then a RED Category should be used.</p>
RED	<p>Substances that could subject persons to risk of death, injury or impairment of health. Examples would be any substances that are corrosive, acidic, carcinogenic, cause skin irritation or respiratory problems, affect the nervous system, affect the organs, etc.</p> <p>See above in respect of ground gas.</p>

3. Reference Documents

Document Name	Document ID Number
Exploratory Hole Plan	16488-HYD-XX-XX-DR-GE-0004
Construction Phase Plan	16488-HYD-XX-XX-RP-GE-0001
Site Safety Induction	16488-HYD-XX-XX-RP-GE-0003
Service Plans	Appendix A

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4. Subcontracted and Third-Party Works

- Service clearance survey and marking out – Midland Survey
- Windowless sampling – DMW Drilling

All of the above works will be undertaken by sub-contractors under the control of the Site Manager. The scope and methodology of these works will be detailed within method statements and risk assessment, written and issued by the sub-contractor.

5. Areas of Work

Exploratory hole locations are to be undertaken at the location shown on the Proposed Exploratory Hole Location Plan Hydrock Drawing Referenced 16488-HYD-XX-XX-DR-GE-0004. The site comprises a rectangular parcel of land which is currently an office block to the south and a concrete yard with trees and shrubs within brick built planters in the north.

6. Labour - Managers, Supervisors, Plant Operators, General Operatives, Banksman, Slingers, etc.

Position	Responsibilities	Training
Site Supervisor/Consultant	Oversee all sub-contractor works Scanning for services Banking of vehicles and plant Sample taking / Exploratory hole logging / Soakaway testing / logging Surveying Asbestos sampling	IOSH Safe Supervision of Geotechnical Sites or SSSTS. First Aid CAT and Genny training Asbestos Awareness Manual Handling Asbestos in Soils / Safe Sampling Procedure (or P402)
Rig operator and second man	Daily inspection of rig Follow instructions of Supervisor and Banksman	Lead Driller – NVQ Level 2 Second Man – Rig Familiarisation Training (minimum)
Service Clearance Operative/Surveyor	Daily Inspection of Equipment Identification, tracking and marking of underground services. Scanning for services/surveying	Task specific training CSCS Card

7. Plant and Equipment

List all of the plant and equipment which will be used in the task, this should include;

- Service clearance equipment (to include GPR, CAT and Genny, provided and used by Midland Survey);

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- Windowless sampling rig (drilling ancillaries, rods, casing, hand tools and hammers etc- provided and used by DMW Drilling);
- Hand held Coring Rig & Attachments;
- Insulated Hand Digging Tools;
- Portaloo – Travis Perkins;
- Drilling consumable e.g. bentonite, installation pipe, covers and bungs (supplied by DMW drilling); and
- Hydrock Signage & Barriers.

Hand tools should be checked for damage and withdrawn from use if not fit for purpose. Hand tools should not be used for activities they were not designed for. Only insulated hand tools are to be used for excavation.

8. Materials (including COSHH)

- Hand sanitiser (70% + Alcohol) for hygiene
- Hand Wipes (Grime-ezz Wipes)- for hygiene
- Carex Professional Hand Wash
- Cement or Postcrete- for installs
- Granular material – for installs
- Cold Lay Tarmac- for installs
- Bentonite- for installs
- Contaminated Soils
- Diesel, Petrol, grease, mineral oil, hydraulic oil
- Sprays – for marking out of services and locations.

9. Task Specific Personal Protective Equipment (PPE) / Respiratory Protective Equipment (RPE) above and beyond standard PPE detailed in the CPP

PPE	Task	Grade/Type of PPE/RPE required
Eye Protection	When risk of splashing or flying debris	When risk of splashing or flying debris Standard Safety Glasses conforming to EN166:2001
Safety Boots	At all times on site	Mid sole, steel toe capped boots conforming to BS standard EN ISO 20345:2011 categories SB & S5
Hard Hat	At all times on site	Hard-Hat, Centurion Concept or similar conforming to BS EN 397
Gloves	When cutting When manual handling Whilst sampling	Cut resistant gloves Work gloves Nitrile gloves

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PPE	Task	Grade/Type of PPE/RPE required
<i>Dust Mask</i>	If nuisance dust is encountered	P3 Grade or better
<i>Ear Protection</i>	At all times when operating/ supervising drilling rigs	Standard Ear Defenders conforming to EN352
<i>Overalls</i>	If asbestos is suspected or encountered	Tyvek suit
<i>RPE</i>	If asbestos is suspected or encountered	FFP3 face fitted mask or ABEK fitted mask for VOC contamination
<i>Hi-Vis</i>	At all times on site	BS Standard Compliant

10. Methodology of Works

Arrival on site

All sub-contractors will arrive on site and report to the Hydrock Site Supervisor, or if on a non-Hydrock PC site, the respective Site Manager. The Site Supervisor is to check their method statement and risk assessments prior to arriving on site. The Site Supervisor will undertake a site induction. Copies of all of sub-contractors' competence certification, plant servicing and LOLER examination certificates (LOLER examinations to be completed by the qualified operator) are to be issued before arriving on site. The Site Supervisor is to ensure that all method statement briefings have been completed and all persons have signed the required registers and permits (where required).

On a daily basis, and before any works commence on site, the Site Supervisor is to write and deliver a Daily Site Briefing, which details the scope of works to be undertaken each day, the reasonably foreseeable hazards likely to be encountered and the control measures which have been put into place to control them. The Daily Site Briefing will also detail roles and responsibilities, such as Banksman, etc. involved in the work that day.

The Hydrock Site Supervisor is to supervise all works being undertaken by the Sub-Contractor(s) while they are on site, ensuring that the works are undertaken within the guidance of the Hydrock HSMS, to the required quality standards and as detailed within the Sub-Contractor Method Statement(s).

Setting Out and Initial Service Clearance of Borehole Locations

A surveyor will attend site with Topographical Survey GPS, which they will check for correct operation.

Once the equipment has been checked, the surveyor is to walk across the site and set out the borehole locations utilising the provided coordinates.

The surveyor will then check provided service drawing and undertake service clearance utilising CAT/Genny and GPR scanning equipment. Any manholes will be lifted and the direction of the service/duct will be clearly spray painted.

RAMS from the specialist Contractor undertaking these works are included in Appendix E.

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Site security/public safety

1. The site has secure boundaries and is only accessible by Hydrock staff and those under the control of Hydrock, each work area is to be demarcated with signage. Four signs are to be erected around each excavation, one on each side, warning staff of plant operating in the area and open excavations.

Underground services

Prior to attending site, the Project Manager and Site Supervisor are to review all obtained service utility plans covering the proposed exploratory hole locations. The Site Supervisor is to complete form HSMS.F94 'Service Clearance Form' with pertinent information and provide a copy, along with all service plans, to the Service Clearance Specialist (Surveyor).

HSMS.PM33 procedures manual for 'Underground and Overhead Services' will be followed whilst identifying underground services. Service drawings will be checked and the environment inspected for signs of underground services, such as trench scars or marker posts. If the required hole locations are identified as potentially clashing with services, a 5m stand-off zone will be set up from the service and the location moved (where possible). Once the locations are confirmed, all locations where the ground will be broken will be marked out.

All locations where it is proposed to break ground will be checked and scanned by the Surveyor using Ground Penetrating Radar (GPR) and CAT and Genny.

Any GPR survey plan or report issued prior to attending site should be treated as a non-reliable service plan and the same provisions for CAT and Genny scanning etc. as detailed below will apply.

CAT and genny scanning for services will not detect gas, water, or other plastic pipes, or fibre optic services, which have been installed without metallic warning tape. Nor will it pick up concrete cover tiles over gas pipes and so all excavations should be treated as potentially having services in them, unless these can be ruled out.

On completion of the Surveyor's GPR/CAT and Genny survey of an exploratory hole location the Hydrock Supervisor will undertake a formal handover with the Surveyor for each location. This formal handover will discuss the services found (or the lack of services found) and any proposed new locations (if applicable) for exploratory holes. A written record of the survey findings will be issued to the Supervisor prior to the Surveyor leaving site, using HSMS.F94 'Service Clearance Form'.

The exploratory hole location(s) are to be scanned with a CAT and Genny operated by a competent person to further check if services are present. If services are discovered, a 5m stand-off zone is to be set up from the service, the proposed excavation locations will be moved and the new location scanned. If it is not possible to relocate the proposed excavation location, the services will be exposed by hand digging, observing safe digging practises, prior to any other works being undertaken.

Where it is suspected that a service exists (due to it being identified on service plans or there being onsite powered furniture, etc.) but it cannot be located, a 10m standoff zone is to be set up from the suspected location of the service and the proposed excavation works moved to a new location. This new location will be rescanned prior to excavation, or if this is not possible due to site constraints, a hand excavated trial pit is to be undertaken to a depth of 1.2m prior to any

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mechanical excavation works. All hand dug excavations are to follow the methodology in Hand excavated trial pits.

Hand excavated trial pits

All excavation works are to be undertaken in accordance with HSMS.PM34 'Excavations and Trial Pits'. Prior to breaking ground, the Site Supervisor will complete a 'Permit to Dig' (HSMS.F10).

Where services have been identified and hand excavated trial pits are to be excavated, they will be undertaken using safe digging practises and the following procedures are to be followed:

1. All hand tools will be non-conductive (insulated).
2. No bars, picks, forks or other stabbing tools will be used during the excavation process.
3. Where the excavation cannot be achieved by using shovels, other safe processes, such as using an air pick or hydro excavation should be considered.

Where services have not been Identified but hand excavated trial holes are required, they are to be excavated using standard tools, including; bars, picks, forks, spades and shovels. The soils will be loosened as required and then shovelled out onto the side of the excavation; this will continue until the excavation has reached the required depth.

During the excavation process the operatives are to look for signs of underground services or soil contamination. If these are identified, the excavation will be stopped and the Site Supervisor will be notified. Depending on the conditions, additional PPE or an alternative working method may be introduced.

If hand excavation to depths greater than 1.2m is required, either the excavation faces will be battered at a 1 in 1 batter, or stepped; or suitable support to the sides of the excavation will be installed.

Once the trial pit has reached the required depth and the required samples/logs have been taken, the trial pit will be backfilled and compacted using hand tools.

Concrete coring of surface hard standing

RAMS from the specialist Contractor undertaking the works are included in Appendix E.

Striking underground services

In the event that any type of service is struck during the works, Hydrock Procedure HSMS.PM33 Section 7 'Striking underground services' will be followed, as summarised below.

- ***Ensure the safety of all personnel:*** if there are casualties ensure that the first aider is sent for immediately and notify the emergency services if serious. Turn off all plant and tools across the entire site.
- ***Clear the area around the service:*** ensure that the area around the service is cordoned off and evacuate the area in accordance with the required stand-off zones. See above and HSMS.PM33 for stand-offs for each service type, but this will be a minimum of 5m. Turn off all ignition sources as you are evacuating. Do not re-enter the area.
- ***Contact the service provider:*** report the strike and provide the site address and contact details. Contact details for the main service providers are tabulated below.

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- **Contact the Health and Safety Department:** Phone to report the incident to the Health and Safety Department, which will then provide advice and guidance as to what to do next to manage the incident. All instructions from the Health and Safety Department are to be followed.
- **Greet the Service Provider:** when the Service Provider arrives, provide them with suitable information regarding the location and depth of the strike and provide assistance as requested by them.
- **Complete a HIRF:** Once all of the above steps have been completed, the Site Supervisor will complete a full and detailed 'Hydrock Incident Report Form' (HIRF) – (HSMS.F30, F31 and F32).

Service	Provider	Contact
Gas	Cadent	0800 111 999
Water	United Utilities	0345 672 3723
Electricity	Electricity North-west	0800 195 4141

Encountering unexpected asbestos

All employers have a duty to provide a safe working environment for their employees (and sub-contractors) with regard to asbestos. The business of ground investigation is inherently one of discovery, and accordingly there is a possibility of encountering unexpected asbestos containing materials (ACMs) on the surface of the site or within the soils.

If material suspected of containing asbestos is encountered, the works are to be halted immediately and the Site Supervisor notified. The Site Supervisor (who will be asbestos 'safe sampling' trained) is to examine the material *in situ* and, depending on the findings, undertake one of the following three processes:

1. **Stop and terminate work** - make a record (including photographs) of any materials which may contain asbestos, abandon the excavation and backfill. The surface of the backfilled excavation must be checked for evidence of visible asbestos contamination.
If visible asbestos is identified on the surface of the site, the exploratory hole location may be relocated to avoid the asbestos based on a dynamic risk assessment.
2. **Stop, reassess and recommence** - make a record (including photographs) of any materials which may contain asbestos, set up a primary decontamination bay, don all the appropriate PPE and RPE and sample the suspected ACM for laboratory analysis. All samples are to be sealed in a zip-lock bag and then placed in a secondary sealed zip-lock. All samples are to be referenced to the sampling location and labelled with 'Suspected Asbestos'.
The excavation works can now recommence, providing that they will not break up further pieces of the identified material and any amendments to the RAMS are recorded in Section 15, based on a dynamic risk assessment.
3. **Stop, reassess and seek guidance** – where extensive bonded or potentially fibrous/notifiable asbestos contamination (insulation, coatings or insulation board) is identified, works are to be halted immediately and all workers removed from the area.

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The site supervisor must contact Hydrock's in-house asbestos specialist for further guidance. Where the asbestos specialist is not available, the Project Manager or Health and Safety department is to be contacted (as per Section 12 – Hold points).

Dynamic percussion (window/windowless sampler) drilling

The dynamic percussive rig will be operated by a sub contracted two-person crew: a lead driller and an assistant driller, both of whom will be trained and in the case of the lead driller certified to NVQ level 2 Land Driller to operate the equipment.

RAMS from the specialist Contractor undertaking the works are included in Appendix E.

Ground gas and groundwater monitoring

Following the completion of the works a monitoring technician will attend site to undertake gas and groundwater monitoring using a gas monitor and water dip meter. In line with contractual requirements 6 number of visits will be required over 8 weeks.

If the monitoring technician is working by themselves, they will follow Hydrock's Lone working procedure.

Once the equipment has been checked at the van or 4x4, the monitoring technician is to walk to each monitoring location in turn, completing the same process at each location:

- The steel cover (flush cover or 'top hat' style) at the monitoring location will be opened by the monitoring technician using standard hand tools.
- A gas monitor (GA5000 - ATEX approved and intrinsically safe in potentially explosive atmospheres, or similar) will be connected to the valve fixed into the bung that seals the top of the monitoring well and the concentrations of a range of gases including, but not limited to: methane, carbon dioxide and oxygen, will be measured, together with the flow rate of gas emissions. The results will be recorded by the instrument and also by the monitoring technician.
- On completion of the gas monitoring, the bung is to be removed and a dip meter will be lowered into the borehole until it makes contact with groundwater (at which point the dip meter will 'beep') and this level is to be recorded, or until it reaches the base of the hole, when the hole will be recorded as 'dry'.
- Where sampling of groundwater is required one of the two procedures outlined below will be adopted once the pipework is purged using a hand operated bailer:
 - » A bailer will be lowered down the monitoring well to retrieve a sample of groundwater. The sample will be immediately transferred to an appropriate laboratory supplied container. Excess water will be transferred to a storage container for transfer to Hydrock store and once the level of contamination (if any) has been confirmed, disposed of appropriately.
 - » Low-flow sampling equipment will be set-up by the monitoring technician in accordance with the manufacturer's instructions and a sample of groundwater recovered for analysis. The sample will be transferred to an appropriate laboratory supplied container. Excess water will be transferred to storage containers for transfer to Hydrock store and once the level of contamination (if any) has been confirmed, disposed of appropriately.

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- On completion of the gas and groundwater monitoring, and if required sampling, the bung is to be replaced in the pipe, with the valve closed.
- The above sampling process will be repeated with other monitoring wells as required.

11. Environmental Protection

General site produced wastes will be taken off site for disposal.

Soil arisings from excavations will be backfilled and compacted as appropriate. Any excess arisings will be spread at surface if compatible with surrounding soils.

All waste food stuff will be placed in bin bags and disposed of off-site, so not to encourage rats onto the site and therefore reduce the risk of leptospirosis.

Spill kits will be stored in each Hydrock vehicle and will be used in the case of any spillages.

12. Health, Safety and Environmental Hold Points

Number	Hold point description	Action required	By whom
01	Employees, Staff, Sub-contractors or visitors showing symptoms of COVID-19 whilst on site.	Remove the individual from other people and ask them to get a LFT and leave site if positive.	Site Manager / Site Supervisor to arrange/control.
02	If prior to starting work an inspection of the plant, tools or equipment identifies a defect, the defect must be reported to the Site Supervisor and the item of plant, tools or equipment must not be used.	Arrange for alternative plant equipment/tools, or for repairs to be undertaken by a competent person to rectify defects identified.	Site Supervisor to arrange/control.
03	Prior to starting, if a 12-month Thorough Examination Certificate is not issued for any item of plant (excavator, forklift, crane) and a 6 month certificate for any lifting equipment or lifting accessories (chains, strops, shackles) which is to be used as part of the works, the lifting equipment or accessories are not to be used.	Arrange for issue of valid certification prior to allowing use of equipment or accessories, or arrange for replacement equipment.	Site Supervisor to arrange/control.
04	Encountering buried services.	Following the identification of buried services in an excavation, the works are to be stopped and the Site Supervisor is to be notified. The Site Supervisor will then advise on the correct procedures to follow.	Site Supervisor to confirm forward action.

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		Near Miss to be completed.	
05	Identification of overhead services.	Stand-off zones and goal posts are to be set up as required. These must be approved by the Site Supervisor prior to any further works being undertaken.	Site Supervisor to sign off before restarting works.
06	Service strike	Following a service strike the Hydrock Procedure HSMS.PM33 Section 7 'Striking underground services' is to be followed. HIRF to be completed.	Site Supervisor to sign off (following sign-off by service provider) before restarting works.
07	Encountering suspected asbestos containing materials. (unplanned).	If asbestos is discovered at any stage of the project, all works must stop and the area surrounding the immediate work area must be cleared. The find must then be reported to the Site Supervisor who will inspect using coveralls and RPE. The Site Supervisor will advise as to the action to be taken.	Site Supervisor to confirm forward action.
08	Encountering concentrated fibrous asbestos materials within soils.	Stop all works, report to supervisor and if safe to do so, photograph area of concern, cover with clean soils and contact Asbestos Manager.	Site Personnel and Site Supervisor.
09	Encountering volatile odours or site operatives developing headaches without odours present; after breaking ground.	If volatile odours are released or a member of staff reports feeling unwell during/after breaking ground, all works within the area must stop and it must be cleared of personnel. The odour/symptoms must then be reported to the Site Supervisor who will take a soil sample wearing appropriate RPE. The Site Supervisor will advise as to the action to be taken prior to any further works being undertaken.	Site Personnel and Site Supervisor.

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Notes:

13. Attachments

No.	Description	Reference
1	SERVICE PLANS	Appendix A
2	A AND E DEPARTMENT LOCATION MAP	Appendix B
3	COSHH ASSESSMENTS	Appendix C
4	EXPLORATORY HOLE LOCATION PLAN	Appendix D
5	METHOD STATEMENTS	Appendix E
6	SUBCONTRACTOR CERTIFICATION	Appendix F

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14. Risk Assessment

Task and Hazard	Persons in Danger	Risk Rating (1 to 5 / S x L = R)			Control Measures	Final Risk Rating
		Severity	Likelihood	Rating		
<i>Site walkover</i> Slips, trips and falls, lone working	Hydrock Staff, Sub-Contractors	4	3	12	<p>Ensure that the person undertaking the walkover is wearing suitable clothing and footwear for the site.</p> <p>Prior to undertaking the site walkover, check the existing records and ensure that you are aware of any existing site hazards, such as open excavations, shafts, the structural integrity of buildings, contamination expected, etc. and if present do not undertake the walkover alone.</p> <p>If undertaking the walkover as lone working, notify the responsible person when you arrive on site and then at one-hour intervals throughout the day until the works are completed. On the final phone call, notify the responsible person that the works have been completed and you are leaving site.</p>	$4 \times 1 = 4$ Task risk reduced to 4, Low Risk

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					<p>If the responsible person does not hear from the lone worker within 10 minutes of a due phone call, they are to call the lone worker to check they are OK. If they do not receive a response, they are to contact the emergency services.</p> <p>If you arrive on site and conditions are not as planned or you do not feel safe whilst carrying out the site walkover, stop works and inform your line manager from a place of safety.</p>	
<p><i>Surveying sites</i></p> <p>Slips, trips and falls, manual handling.</p>	Hydrock Staff, Sub-Contractors	4	3	12	<p>Ensure that the person undertaking the survey (the surveyor) is wearing suitable clothing and footwear for the site.</p> <p>Prior to starting, ensure that the surveyor has completed the daily site briefing and is aware of all excavations, soft ground areas, areas where existing site hazards exist, as well as all site rules and conditions.</p> <p>The surveyor is to use GPS surveying equipment to minimise equipment to be carried.</p> <p>The surveyor is to notify the Site Supervisor of the works to be undertaken; locations at which they will be working; and the time which they expect to take to complete</p>	<p>$4 \times 1 = 4$</p> <p>Task risk reduced to 4, Low Risk</p>

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					these works. The Site Supervisor is to check on the surveyor at regular intervals through the work programme.	
<i>Arriving on site</i> Traffic accidents, slips, trips, falls and fire	Hydrock Staff, Sub-Contractors, the Public	5	3	15	<p>Prior to attending site, the access and egress routes are to be confirmed and this information is to be issued to all persons attending the project.</p> <p>So far as is reasonably practicable, Hydrock staff will arrive on site before sub-contractors to ensure they are there to meet the sub-contractors as they arrive with equipment, materials and plant, or undertake any banking of vehicles, pedestrians, etc. off the highway and onto site.</p> <p>All staff and sub-contractors who arrive on to site should be inducted before works begin by the Site Supervisor, to ensure that all staff are aware of arrangements for fire, accidents, welfare, transport and pedestrian routes, etc.</p> <p>Housekeeping is to be maintained to a high standard and all waste placed directly into a skip or rubbish sacks to minimise the risk of slips, trips and falls.</p>	$5 \times 1 = 5$ Task risk reduced to 5, Low Risk

Method Statement Risk Assessment

					<p>Prior to starting works on site, the Site Supervisor is to check that all safety provisions are in place, including fire extinguishers, first aid kit, drinking water, signage, barriers, etc.</p> <p>The Site Supervisor is to check all Sub-Contractor documentation and ensure it is suitable and sufficient to cover the tasks being undertaken. Where this is not the case the works must not be undertaken.</p> <p>All plant is to be inspected before arrival on site, the results recorded and issued to the Site Supervisor prior to commencing works.</p> <p>A Daily Site Briefing is to be written and delivered to all workers daily, to inform them of the day's working operations, likely hazards and the control measures to be observed.</p>	
<p><i>Changing conditions</i></p> <p>Slips, trips and falls, overturning of plant, extreme temperature associated health conditions, different plant</p>	Hydrock Staff, Sub-Contractors, the Public	4	4	16	<p>Prior to starting work each day, a daily site briefing is to be delivered and recorded by the Site Supervisor, this is to cover the works to be undertaken, the roles and responsibilities and the environmental conditions on site and how these can affect the works. Consideration will be given to</p>	<p>$4 \times 1 = 4$</p> <p>Task risk reduced to 4, Low Risk</p>

Method Statement Risk Assessment

delivered, changes to working method					<p>the weather conditions and how these could possibly affect the planned tasks.</p> <p>Instructions are to be given to all staff, as part of the site induction, to stop works and seek assistance from the Site Supervisor if they feel that the risk controls or the method of works is inadequate for the conditions on site as briefed.</p> <p>If a different item of plant is delivered to site than the one ordered, the following process should be followed</p> <ul style="list-style-type: none">• The 12-month conformity certificate should be checked and inspection of the plant carried out by the operator.• If it is the same type of plant, the works can now commence.• If it is a different type but it is assessed that it is sufficient to complete the works, amendments to sections 15 and 16 of this document must be undertaken, and an additional RAMS briefing completed, before any works commence. <p>If changes in the working method are identified, due to changing conditions, the new working method is to be detailed in</p>	
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Method Statement Risk Assessment

					section 15 of this document and an additional RAMS briefing completed.	
<i>The Public</i> Injuries to the public, violence from the public, animal bites	Hydrock Staff, Sub-Contractors, the Public	5	3	15	<p>During the project planning, the Site Supervisor is to check online maps for public footpaths, bridleways or rights of access into, or across the site and then gather sufficient signage and barriers to suitably control these access rights.</p> <p>If a public access exists (irrespective of public right of way) and it has a footfall of greater than four people per hour as witnessed by the site Supervisor; children may use it; or motor vehicles may enter the area, then all work areas are to be segregated by fencing. Where the footfall is less than four people per hour and the other hazards are not present, cones (or road pins) and ticker tape are to be used as demarcation.</p> <p>If members of the public become abusive and threatening, do not engage with them other than to advise of the site dangers and to request them to calm down. If the abusive and threatening behaviour continues, the Site Supervisor is to notify</p>	$5 \times 1 = 5$ Task risk reduced to 5, Low Risk

Method Statement Risk Assessment

					<p>the police and request that they attend site. No site staff should ever try to engage or confront a continuing abusive member of the public if lone working, they should retreat to a safe location (company vehicle) and call for assistance.</p> <p>When undertaking works within areas commonly used for dog walking, signage should be installed at the entrance and exits into the works area, stating that all dogs are to be kept on leads.</p> <p>First aid kits and first aiders are to be present on site.</p>	
<p><i>Underground services</i> Electrocution, burns, impact injuries</p>	Hydrock Staff, Sub-Contractors	4	4	16	<p>HSMS.PM33 must be followed whilst identifying underground services</p> <p>Prior to any works being undertaken, the service plans are to be located and checked. These will not necessarily, accurately identify where the services are but can be used as a guide to the likelihood of services being present.</p> <p>The site location is then to be examined for signs of services (lighting, buildings, feeder pillars, manholes, service scars etc.) these</p>	<p>$4 \times 1 = 4$</p> <p>Task risk reduced to 4, Low Risk</p>

Method Statement Risk Assessment

				<p>should be investigated to identify their route before works progresses.</p> <p>A formally trained operative using a calibrated CAT and genny and Ground Probing Radar (GPR) is then to undertake a full scan of the works area and mark up the ground with Line Spray, where services are identified or suspected.</p> <p>Exploratory holes should be moved to avoid located services and, if services are identified (but not struck) during an excavation, the location is to be abandoned, backfilled and moved to an alternative cleared location.</p> <p>If services are struck in an exploratory hole, the procedure, outlined in the methodology striking underground services is to be followed.</p> <p>Smooth edged buckets are to be used when mechanically excavating trial pits shallower than 1.2m depth and within all Made Ground.</p> <p>When undertaking hand digging, non-conductive hand tools are to be used and safe digging practises are to be observed,</p>	
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Method Statement Risk Assessment

					<p>in accordance with the 'Hand excavation' section in the procedure outlined above.</p> <p>Swapping to a toothed bucket is only to take place with authorisation from the Health and Safety department.</p>	
<p><i>Coring</i></p> <p>Road Coring (Noise, Flying Particles, breaking coming loose and striking personnel, hitting underground services), Manual Handling (muscular injuries caused by lifting, cuts to hands)</p>	Hydrock Staff, Sub-Contractors	4	5	20	<p>The coring equipment is to be inspected before use and if defects are discovered they are to be reported to the Site Supervisor,</p> <p>A dust suppression unit is to be deployed during coring</p> <p>All operatives working on, or within a 10m radius of, the coring rig are to wear hearing protection and impact safety glasses appropriate to the working environment</p> <p>Prior to undertaking any coring, the location is to be CAT and Genny scanned and underground service plans are to be consulted. If services are identified or suspected, a breaker is not to be used.</p> <p>All staff undertaking manual handling are to be manual handling trained and the certificates held by the Site Supervisor.</p>	<p>$4 \times 1 = 4$</p> <p>Task risk reduced to 4, Low Risk</p>

Method Statement Risk Assessment

					All staff are to wear general work gloves to protect against cuts and abrasion injuries to hands.	
<i>Hand excavated trial pits</i> Muscular injuries, collapse of pit, contaminated soils - exposure to chemicals, exposure to biological agents)	Hydrock Staff, Sub-Contractors	4	3	12	<p>All staff are to be physically fit and in general good health.</p> <p>Suitable tools are to be used to ensure that those undertaking the tasks are not working in a bent position for prolonged periods. Wrecking bars, forks and posts shovels are to be used where possible.</p> <p>The excavation is to be inspected continually by the staff undertaking the excavation and prior to starting each shift if left open overnight. If the walls of the excavation show signs of movement it should not be entered until it is widened, to reduce the risk of collapse and entrapment.</p> <p>Hand excavations are not to exceed 1.2m in depth. If sufficiently wide enough that persons could fall in, the trellis system is to be used when digging has been suspended.</p> <p>All staff should be made aware of the potential for coming into contact with contaminated soils before they start work.</p>	<p>$4 \times 1 = 4$</p> <p>Task risk reduced to 4, Low Risk</p>

Method Statement Risk Assessment

					<p>All staff are to wear nitrile gloves when handling soils and these gloves should be disposed when they become soiled; never reuse gloves.</p> <p>If volatile odours are encountered, or a member of staff reports feeling unwell during excavation, works are to stop and the area cleared of site operatives.</p> <p>The Site Supervisor will don appropriate inorganic/organic PPE and RPE to take a soil sample, where appropriate. All samples are to be double bagged and clearly labelled.</p> <p>The Site Supervisor will assess the need to continue works or abandon the trial pit due, for example, to time restrictions for the inorganic/organic filters in the RPE.</p> <p>Good hygiene is to be observed at all times.</p> <p>There is no eating, drinking or smoking within the work areas at any time and prior to eating, drinking or smoking, at a designated area, all personnel are to wash their hands and forearms in hot soapy water.</p>	
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Method Statement Risk Assessment

<i>Manual handling</i> Sprains, strains, trips and falls	Hydrock Staff, Sub-Contractors	3	4	12	<p>All staff to be manual handling trained and be competent in undertaking on-the-job manual handling assessments prior to lifting loads.</p> <p>Whenever possible the lift should be completed by mechanical means.</p> <p>Where mechanical means of lifting are not possible the person undertaking the lift must ensure that they are capable to carry out the required lift, and that the route is as short as possible and free from obstructions.</p> <p>The works van should be used to transport items to and from the work areas to ensure that they are as close as possible, to reduce the distances items need to be carried.</p> <p>Appropriate works gloves and footwear for the task being carried out should be worn, as per Hydrock PPE Procedure.</p>	$3 \times 1 = 3$ Task risk reduced to 3, Low Risk

Method Statement Risk Assessment

<p><i>Unexpected Asbestos</i></p> <p>Inhalation of asbestos fibres leading to asbestos related health conditions, cross-contamination of plant, equipment, PPE and areas of the site.</p>	Hydrock Staff, Sub-Contractors	5	4	20	<p>Hydrock Site Staff are to be trained via industry accredited Asbestos Awareness courses. All Hydrock staff will also receive guidance on the procedures to follow in the event of discovering bonded or fibrous asbestos while excavating.</p> <p>On the discovery of suspected asbestos, all works are to be stopped and the below, is to be followed.</p> <p>In brief:</p> <ul style="list-style-type: none"> The discovery it is to be reported to the Site Supervisor immediately. Prior to taking samples, Site Supervisors will wear the required PPE including gloves, overalls and FFP3 mask. Used Tyvek suits, masks and gloves are to be disposed of in asbestos waste bags and then transported to a licensed disposal point in a vehicle with a segregated storage area. All operatives will be face fitted for the appropriate mask type before they are permitted to wear a RPE to handle asbestos. 	<p>$5 \times 1 = 5$</p> <p>Task risk reduced to 5, Low Risk</p>
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Method Statement Risk Assessment

					<ul style="list-style-type: none"> Only trained, qualified and competent personnel are to handle or sample asbestos containing materials. All samples are to be double bagged and clearly labelled. 	
<i>Ground gas and groundwater monitoring</i> Slips, trips and falls, lone working and Leptospirosis	Hydrock Staff	4	3	12	<p>Ensure that the operative is wearing suitable clothing and footwear for the site.</p> <p>Prior to undertaking any site walkover, check the existing records and ensure you are aware of any existing site hazards, such as open excavations, shafts, structural integrity of buildings, contamination expected, etc. and if present do not undertake as lone working.</p> <p>If undertaking as lone working, notify the responsible person when you arrive onto site and then at 1-hour intervals throughout the day until the works are completed. On the final phone call notify the responsible person that the works have been completed and you are leaving site.</p> <p>If the responsible person does not hear from the lone worker within 10 minutes of a due phone call, they are to call the lone</p>	$4 \times 1 = 4$ Task risk reduced to 4, Low Risk

Method Statement Risk Assessment

					<p>worker to check they are OK. If they do not receive a response, they are to contact the emergency services.</p> <p>BDA Risk level colour Green</p> <p>Good hygiene is to be observed at all times.</p> <p>There is no eating, drinking or smoking within the work areas at any time and prior to eating, drinking or smoking, at a designated area, all personnel are to wash their hands and forearms in hot soapy water</p>	
<i>Four-Wheeled driving on site</i>	Hydrock Staff	4	4	16	<p>All Hydrock vehicles are to have an in-date MOT, service, road Tax and insurance. Without this the vehicle will not be used.</p> <p>Staff are to be trained in 4by4 driving.</p> <p>The maximum tolerances for the vehicle are not to be breached.</p> <p>Staff are to carry out pre use checks and record on any pool vehicle they use.</p> <p>All vehicles are to be kept free of clutter and rubbish to prevent obstruction to controls and to prevent damage when in use.</p>	<p>4 x 1 = 4</p> <p>Task risk reduced to 4, Low Risk</p>

Method Statement Risk Assessment

					<p>No driving to take place in moving water or water of an unknown depth.</p> <p>Care should be taken when driving through known depth of water that reaches or goes above the central axel as this will cause the vehicle to lose traction and could cause flooding of the air intakes.</p>	
<p><i>Extreme weather</i></p> <p>Heat stroke, high winds, high snow fall and flooding.</p>	Hydrock staff, sub-contractors and visitors.	5	3	15	<p>Hydrock's Health and Safety department issue extreme weather safety bulletins if the MET office issue extreme weather warnings.</p> <p>Travelling to and from site should always be undertaken with personal safety in mind, regards should be given to any extreme weather warning issued in relation to travel.</p> <p>Site Supervisors are to be aware of the weather for their site for the day's work ahead. Apps such as the MET office, flood alert or BBC weather can be used to check on local conditions.</p> <p>Weather conditions and controls to be briefed as part of the daily site briefing, such as, but not limited to;</p> <p>Extreme heat:</p>	<p>$5 \times 1 = 5$</p> <p>Task risk reduced to 5, Low Risk</p>

Method Statement Risk Assessment

					<ul style="list-style-type: none">• Provide and use factor 50 sun screen on site.• Keep your skin covered.• Take regular breaks out of the sun.• Provide ample drinking water on site.• Consider altering site start and end times of the day to take into account the mid-day sun. <p>High Winds:</p> <ul style="list-style-type: none">• Suspend any operations that could be affected by high winds.• If working near fragile structures or tree/hedge lines, where possible delay these works till the winds have dropped.• Ensure that no work activity has the potential to create debris that can be blown away.• Dry conditions and high winds can create issues with dust, general eye and respiratory protection should be considered in these circumstances. <p>Snow:</p>	
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Method Statement Risk Assessment

					<ul style="list-style-type: none">• Salt to be on hand to uncover uneven ground on access routes to and from site and the welfare.• If salt is not available, brush snow aside on walk ways with a stiff broom.• Welfare to have the facilities to provide hot food and drinks using a microwave and kettle.• Welfare to include heaters to provide a warm place to sit.• If site conditions are icy, consider postponing works in areas which can't be salted or cleared, such as near bodies of water.• Site staff to be provided with appropriate water proof and thermal protected PPE.• If heavy snow fall over night covers service clearance markers, do not start works until these have been clearly identified. <p>Lightning/Rain and flooding:</p> <ul style="list-style-type: none">• Consider cancelling excavations if ground conditions or run off water cause ground instabilities.	
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Method Statement Risk Assessment

					<ul style="list-style-type: none"> • If electrical storms are expected, review weather apps and working with metallic plant for that task. • If works are taking place on a flood plain or near a river, ensure water levels are monitored closely and remove any equipment or plant to higher ground overnight if there is a chance of the flood plain flooding. • Provide a warm dry place for breaks which will include the facilities to dry PPE. • Suitably water proofed PPE to be provided to all site staff. 	
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S = Severity

1	Minor Injury – Minor Cuts or Bruising
2	Lost Time Injury – Injury that requires First Aid
3	Reportable Accident – Injury resulting in 7 or more days off work
4	Major Accident – As defined by RIDDOR
5	Fatal Accident

L = Likelihood

1	Very Unlikely
2	Unlikely
3	Fairly Likely
4	Likely
5	Very Likely

R = Risk Rating (S x L)

1 to 7	Low Risk – No Further Action Required
8 to 15	Medium Risk – Further risk controls needed, if no other controls can be applied, control works under a permit to work system
16 to 25	High Risk – Further risk controls needed

Method Statement Risk Assessment

15. Record of Amendments	
Details of changes to Methodology	Date of Introduction

Method Statement Risk Assessment

16. Risk Assessment

Task and Hazard	Persons in Danger	Risk Rating (1 to 5 / S x L=R)			Control Measures	Final Risk Rating
		Severity	Likelihood	Rating		

S = Severity

1	Minor Injury – Minor Cuts or Bruising
2	Lost Time Injury – Injury that requires First Aid
3	Reportable Accident – Injury resulting in 7 or more days off work
4	Major Accident – As defined by RIDDOR
5	Fatal Accident

L = Likelihood

1	Very Unlikely
2	Unlikely
3	Fairly Likely
4	Likely
5	Very Likely

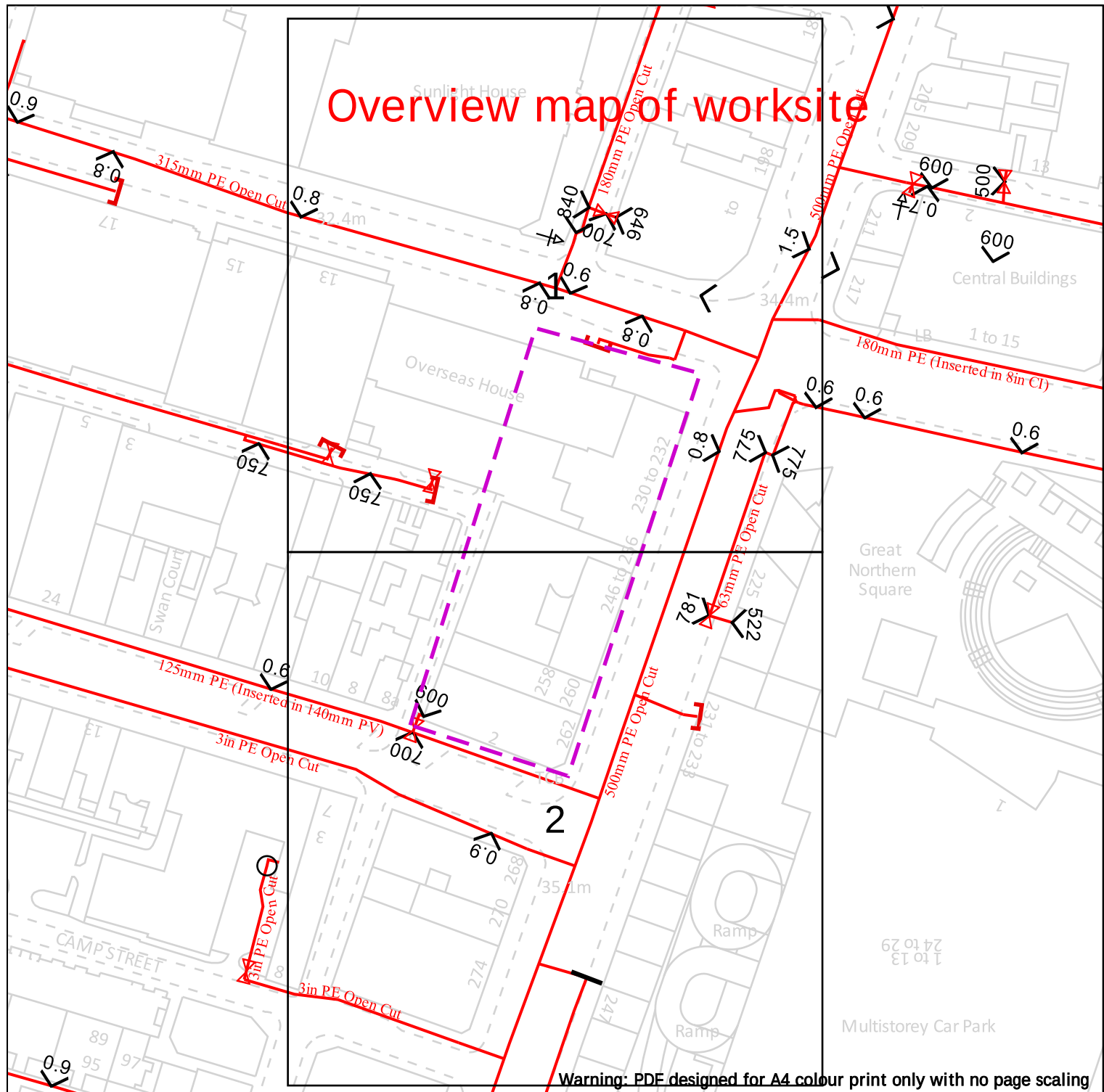
R = Risk Rating (S x L)

1 to 7	Low Risk – No Further Action Required
8 to 15	Medium Risk – Further risk controls needed, if no other controls can be applied, control works under a permit to work system
16 to 25	High Risk – Further risk controls needed

Method Statement Risk Assessment

Appendix A Service Plans

Overview map of worksite



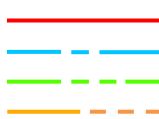
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Cadent
Your Gas Network

Dig Sites

Area:

Line:



LP Mains
MP Mains
IP Mains
LHP Mains



Valve
Depth of cover
Syphon



Diameter Change
Material Change
Out of Standard Service

Where an out-of-standard service is present please contact plant protection 0800 688 588 for further information.

Out-of-standard service symbology may be used to indicate one or more of the following:

- Identification of shallow services
 - Identification of dual services
 - Recording of non-perpendicular services
- A perpendicular service/connection is laid in a straight line from the entry point at the property to the connection at the main – this includes a pipe that has a perpendicular connection and is not straight but does not deviate more than 1m off centre line.

Date Requested: 15/07/2024
Job Reference: 34065474
Site Location: 383495 397945
Requested by: Miss Hayley Clark
Your Scheme/Reference: 16488

IMPORTANT NOTICES

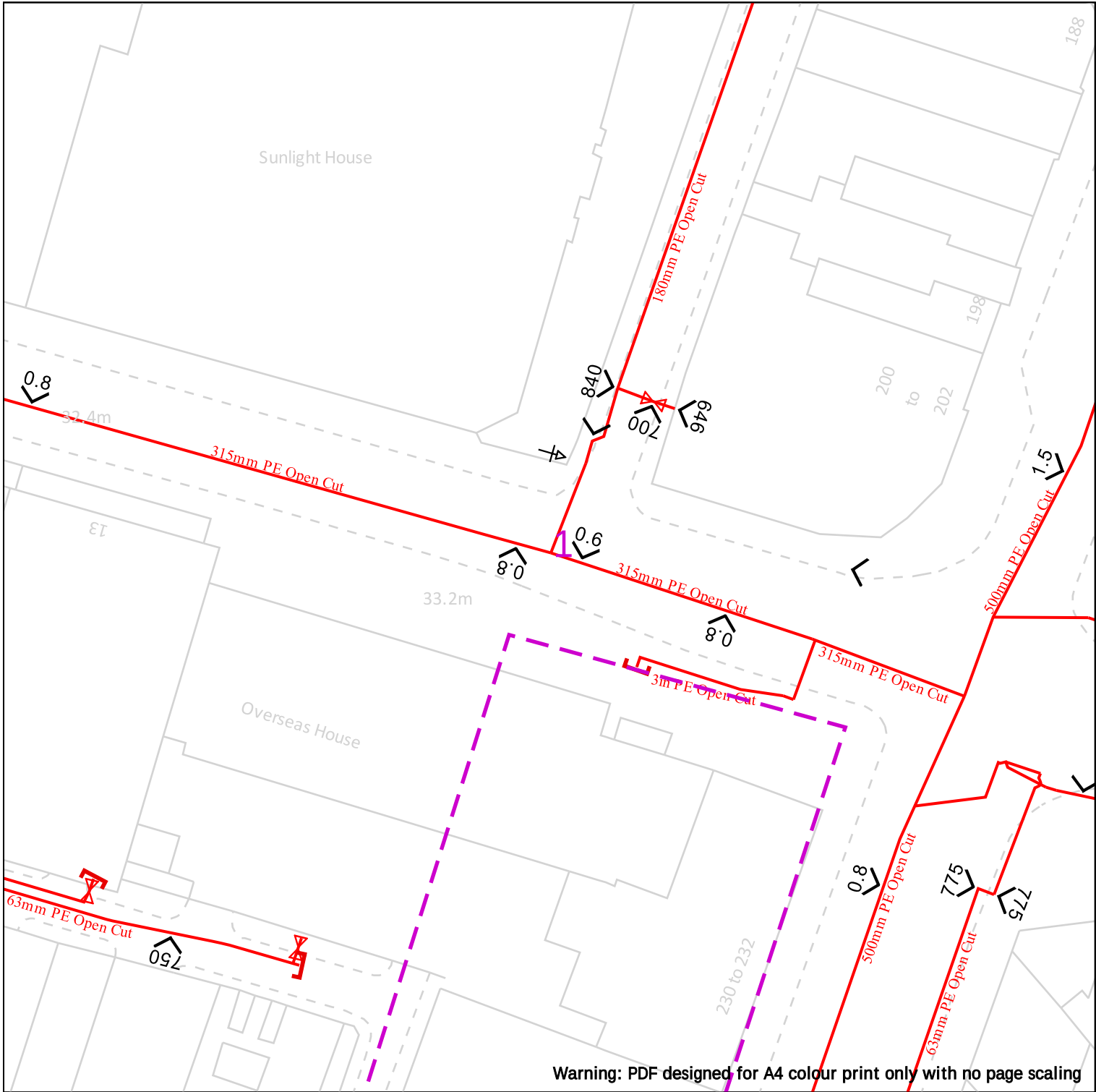
This plan shows these pipes owned by Cadent Gas Limited in its role as a Licensed Gas Transporter (GT). Gas pipes owned by other GT's or otherwise privately owned may be present in this area. Information with regards to such pipes should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Service pipes, valves, syphons, stub connections etc. are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Cadent Gas Limited or their agents, servants or contractors for any errors or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue.

View extent: 100m, 100m

Scale: 1:1025 (When plotted at A4)

In case of emergency call - 0800 111 999

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Cadent
Your Gas Network

Date Requested: 15/07/2024
Job Reference: 34065474
Site Location: 383495 397945
Requested by: Miss Hayley Clark
Your Scheme/Reference: 16488

View extent: 100m, 100m

Scale: 1:500 (When plotted at A4)



Dig Sites

	LP Mains
	MP Mains
	IP Mains
	LHP Mains

Area:

Line:

	Valve
	Depth of cover
	Syphon
	Diameter Change
	Material Change
	Out of Standard Service

Where an out-of-standard service is present please contact plant protection 0800 688 588 for further information.

Out-of-standard service symbology may be used to indicate one or more of the following:

- Identification of shallow services
- Identification of dual services
- Recording of non-perpendicular services

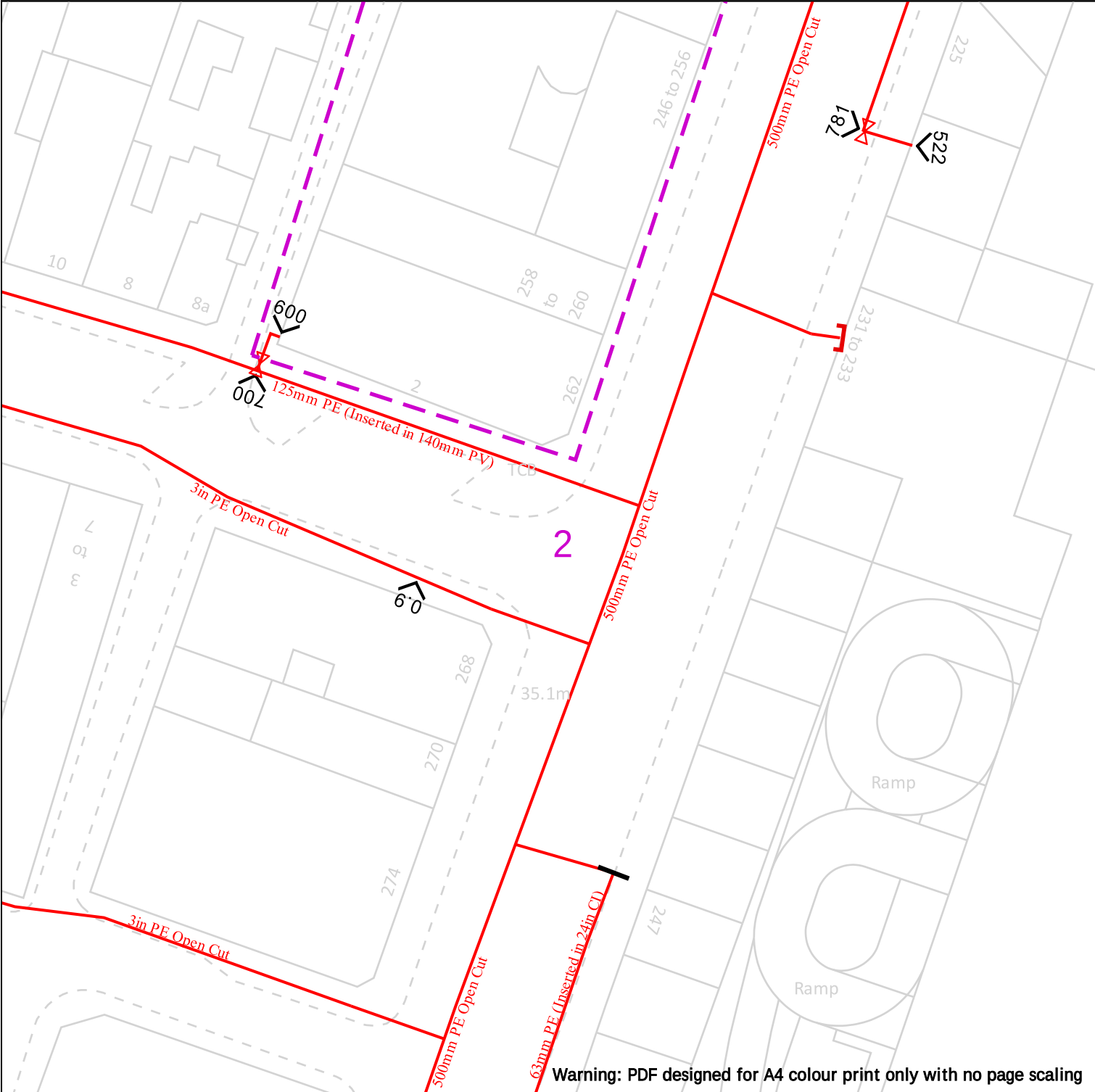
A perpendicular service/connection is laid in a straight line from the entry point at the property to the connection at the main – this includes a pipe that has a perpendicular connection and is not straight but does not deviate more than 1m off centre line.

IMPORTANT NOTICES

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In case of emergency call - 0800 111 999

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Cadent
Your Gas Network

Scale: 1:500 (When plotted at A4)

View extent: 100m, 100m

IMPORTANT NOTICES

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In case of emergency call - 0800 111 999

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25m

Dig Sites	Area:	Line:	
	LP Mains		
	MP Mains		
	IP Mains		
	LHP Mains		

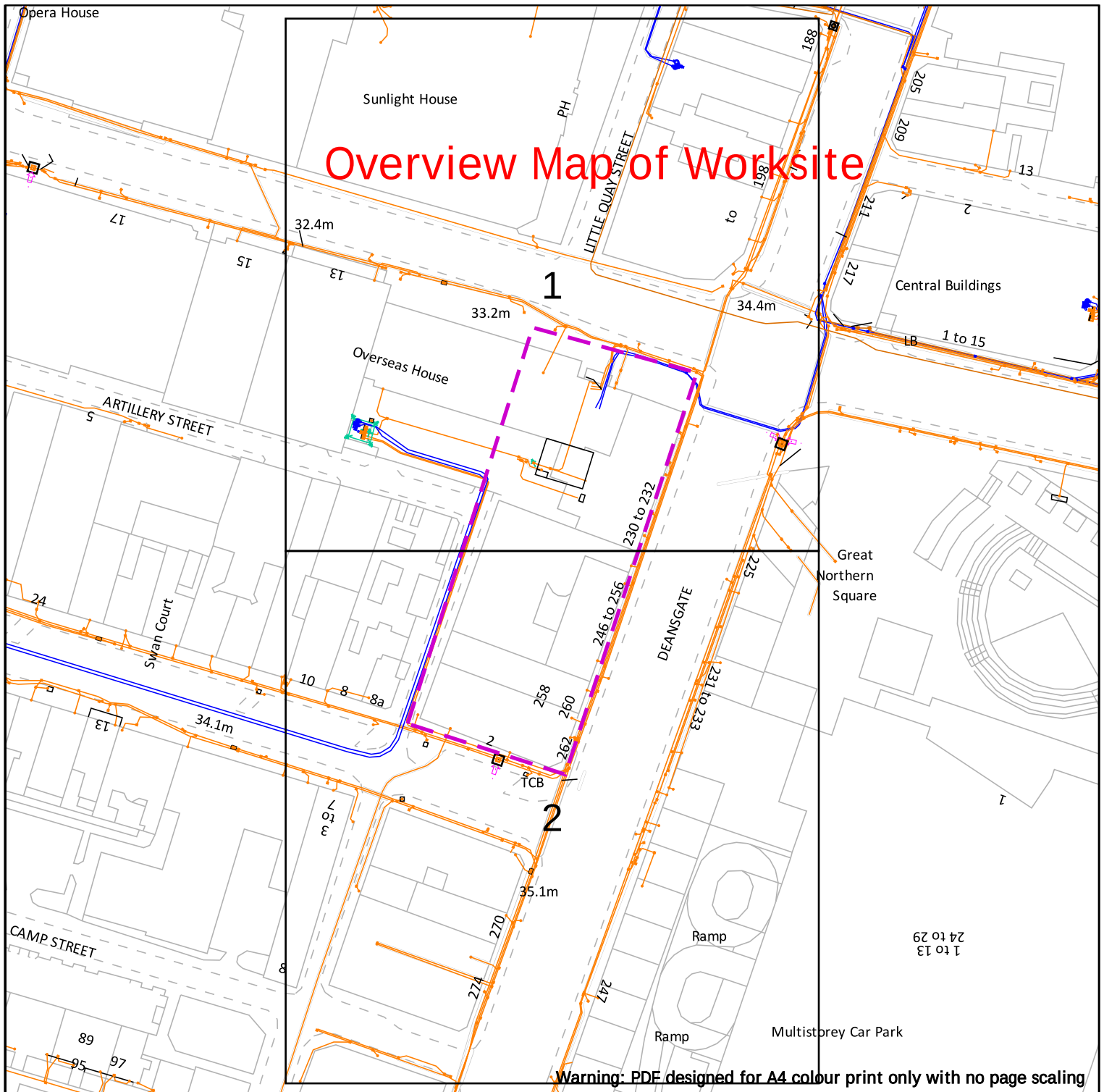
Where an out-of-standard service is present please contact plant protection 0800 688 588 for further information.

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A perpendicular service/connection is laid in a straight line from the entry point at the property to the connection at the main – this includes a pipe that has a perpendicular connection and is not straight but does not deviate more than 1m off centre line.

Overview Map of Worksite



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Electricity North West
Borron Street
Portwood, Stockport
Cheshire, SK1 2 JD
Phone: 0800 195 4141
Email: planrequest@enwl.co.uk

Date Requested: 15/07/2024
Job Reference: 34065474
Site Location: 383495 397945
Requested by: Miss Hayley Clark
Your Scheme/Reference: 16488

Scale: 1:1025 (When plotted at A4)

Operating Voltage	Colour Code	Line Colour
132kV	Black	
33kV	Green	
22kV-25kV	Yellow	
11kV	Red	
6kV-6.6kV	Blue	
1kV-6kV	Violet	
LV	Orange	
Unknown Voltage	Brown	

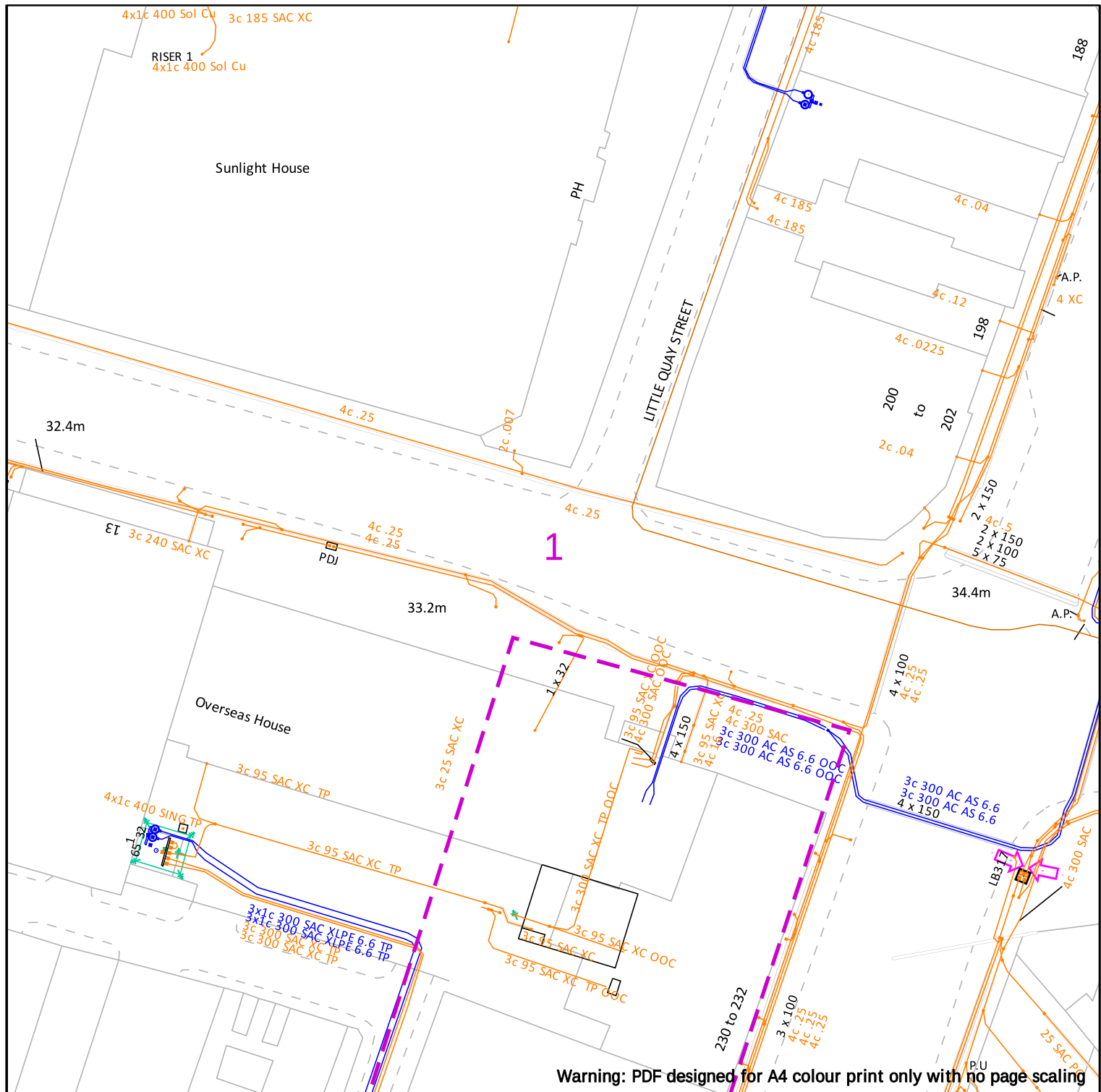
In an emergency call 105,
24 hours a day

Dig Sites
Line:
Area:

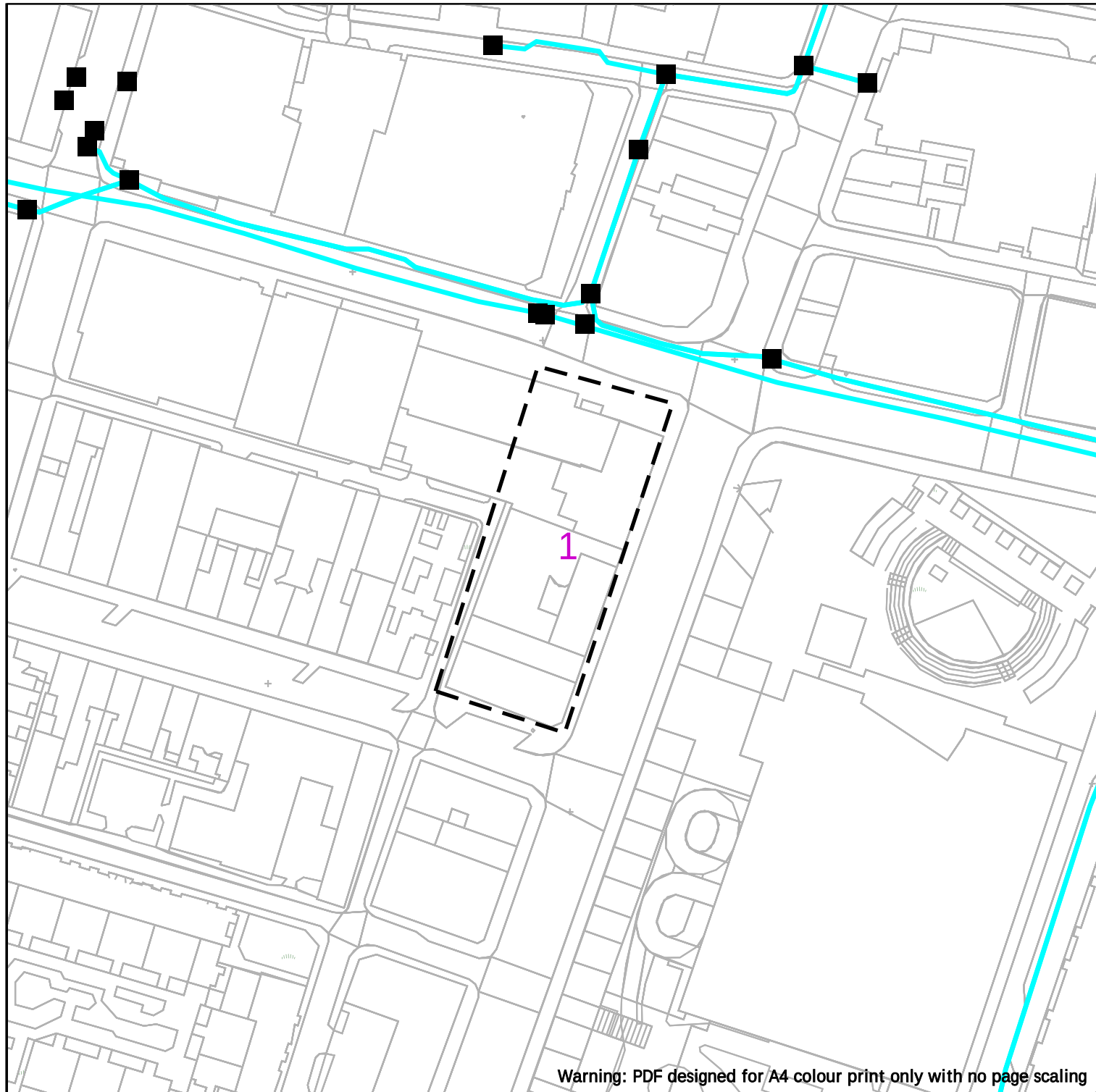
IMPORTANT INFO

Unless otherwise indicated the depth of Electricity North West Limited cables are in accordance with NJUG (450mm for Low Voltage & 600mm for 11kV cables) 33kV and 132kV cables are laid at depths as marked. The depth and positions of Electricity North West Limited equipment was accurate as shown when the equipment was installed. However third parties may have altered the level & other reference data. Therefore Electricity North West Limited accept no responsibility for the position of Electricity North West Limited equipment being different from shown. No person, body or company, shall be relieved from liability for damage caused to Electricity North West Limited equipment by reason of being located differently to the indications on this drawing or from any regulatory loss of income or incentive, or expense, which may be suffered by Electricity North West Limited and which is caused or contributed to by any loss of supply as a result of any damage caused to Electricity North West Limited's equipment. Service cables are not necessarily shown but must be assumed to exist to all premises, streetlights and signs. There may be other Electricity North West Limited apparatus in the vicinity which is not indicated on the cable records. Other apparatus may also be present which is owned by a third party other than Electricity North West Limited. Reference should be made to HSE Guidance, HS(G)47 "Avoiding Danger from Underground Services" and GS6 "Avoiding Danger from Overhead Power Lines". Electricity North West Limited, Borron Street, Portwood, Stockport, Cheshire, SK1 2JD Registered in England and Wales. Registered No 02366949

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<div><div><div><div><div></div><div>electricity</div></div><div>north west</div></div><div>Bringing energy to your door</div></div></div>	<div><div>Operating Voltage</div><div>132kV</div><div>33kV</div><div>22kV-25kV</div><div>11kV</div><div>6kV-6.6kV</div><div>1kV-6kV</div><div>LV</div><div>Unknown Voltage</div></div>	<div><div>Colour Code</div><div>Black</div><div>Green</div><div>Yellow</div><div>Red</div><div>Blue</div><div>Violet</div><div>Orange</div><div>Brown</div></div>	<div><div>Line Colour</div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div></div>	<div><div>In an emergency call 105, 24 hours a day</div></div>	<div><div>Dig Sites</div><div>Line: <div><div></div><div></div><div></div><div></div></div></div><div>Area: <div><div></div><div></div><div></div><div></div></div></div></div>
<div><div>Electricity North West</div><div>Borron Street</div><div>Portwood, Stockport</div><div>Cheshire, SK1 2 JD</div><div>Phone: 0800 195 4141</div><div>Email: planrequest@enwl.co.uk</div></div>					
<div><div>Date Requested: 15/07/2024</div><div>Job Reference: 34065474</div><div>Site Location: 383495 397945</div><div>Requested by: Miss Hayley Clark</div><div>Your Scheme/Reference: 16488</div></div>	<div><div>IMPORTANT INFO</div><div>Unless otherwise indicated the depth of Electricity North West Limited cables are in accordance with NJUG (450mm for Low Voltage & 600mm for 11kV cables) 33kV and 132kV cables are laid at depths as marked. The depth and positions of Electricity North West Limited equipment was accurate as shown when the equipment was installed. However third parties may have altered the level & other reference data. Therefore Electricity North West Limited accept no responsibility for the position of Electricity North West Limited equipment being different from shown. No person, body or company, shall be relieved from liability for damage caused to Electricity North West Limited equipment by reason of being located differently to the indications on this drawing or from any regulatory loss of income or incentive, or expense, which may be suffered by Electricity North West Limited and which is caused or contributed to by any loss of supply as a result of any damage caused to Electricity North West Limited's equipment. Service cables are not necessarily shown but must be assumed to exist to all premises, streetlights and signs. There may be other Electricity North West Limited apparatus in the vicinity which is not indicated on the cable records. Other apparatus may also be present which is owned by a third party other than Electricity North West Limited.</div><div>Reference should be made to HSE Guidance, HS(G)47 "Avoiding Danger from Underground Services" and GS6 "Avoiding Danger from Overhead Power Lines".</div><div>Electricity North West Limited, Borron Street, Portwood, Stockport, Cheshire, SK1 2JD Registered in England and Wales. Registered No 02366949</div></div>				
<div>Scale: 1:500 (When plotted at A4)</div>					
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Warning: PDF designed for A4 colour print only with no page scaling



eunetworks

Contact us:

plantprotection@eunetworks.com

Date Requested: 15/07/2024
Job Reference: 34065474
Site Location: 383495 397945
Requested by: Miss Hayley Clark
Your Scheme/Reference: 16488

100m Dig Sites Line: - - - - Area: [dashed box symbol]

Key

Duct



Long-haul (LHN) Duct



Chamber Location



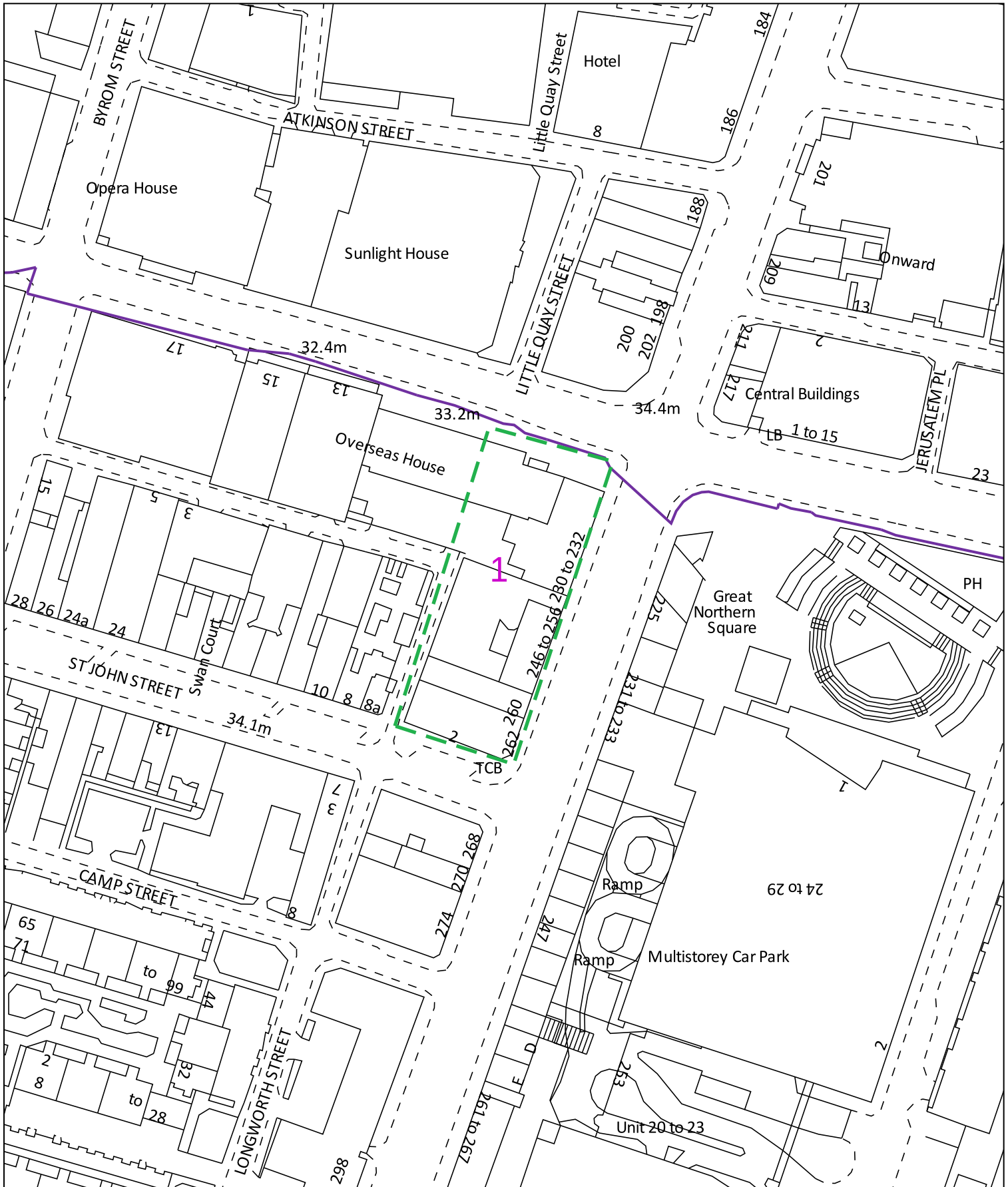
IMPORTANT WARNING

The information supplied is given in good faith as a guide to locating underground apparatus. Its accuracy cannot be guaranteed, nor does it include comprehensive information about the existence or location of service pipes or cables to individual premises. The responsibility for locating and avoiding damage to apparatus on site shall be that of the persons proposing to excavate in the street shall be liable to the apparatus owner and any third party who may be affected in any way for any loss or damage caused by their failure to do so.

IF IN DOUBT PLEASE ASK!
PHONE: 07896 087585

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Scale: 1:1250 (When plotted at A4)



0 50m Dig Sites Area: Line:

Date Requested: 15/07/2024
Job Reference: 34065474
Site Location: 383495 397945

Requested by: Miss Hayley Clark
Your Scheme/Reference: 16488

Scale: 1:1250 (When plotted at A4)

The information on this document is proprietary and shall not be used, copied, reproduced or disclosed in whole or in part without written consent of Neos Networks. Approximate location only is shown. To determine exact location a trial hole must be dug. Before excavation, please refer to HSG47. Neos Networks accept no liability for errors or omissions.

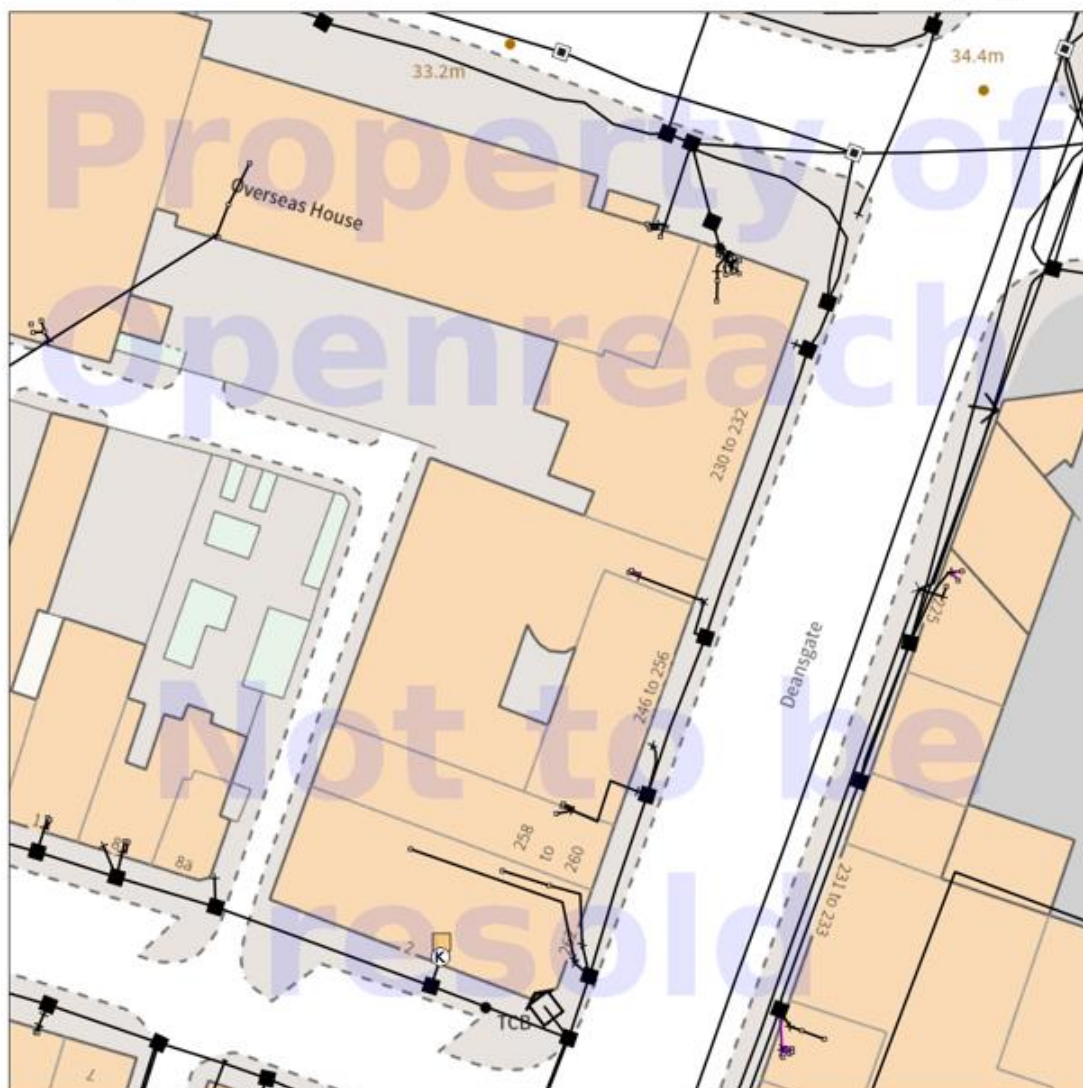
Neos Networks Underground Route Emergency Number: 0345 305 3337

The quality and accuracy of any print will depend on your printer, your computer and its print settings. Measurements scaled from this plan may not match measurements between the same points on the ground.



Registered Office:
Inveralmond House,
200 Dunkeld Road,
Perth, PH1 3AQ

Maps on Demand Plant Information Reply



IMPORTANT WARNING

Information regarding the location of BT apparatus is given for your assistance and is intended for general guidance only. No guarantee is given of its accuracy. It should not be relied upon in the event of excavations or other works being made nearer to BT apparatus which may exist at various depths and may deviate from the marked route.



openreach

CLICK BEFORE YOU DIG

FOR PROFESSIONAL FREE ON SITE ASSISTANCE PRIOR TO COMMENCEMENT OF EXCAVATION WORKS INCLUDING LOCATE AND MARKING SERVICE

email nnhc@openreach.co.uk

ADVANCE NOTICE REQUIRED
(Office hours: Monday - Friday 08.00 to 17.00)
www.openreach.co.uk/cbtd

Accidents happen

If you do damage any Openreach equipment please let us know by calling 0800 023 2023 (opt 1 + opt 1) and we can get it fixed ASAP

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KEY TO BT SYMBOLS

		Change Of State	+	Hatchings	
	Planned	Live	Split Coupling	X	Built
PCP			Duct Tee	▲	Planned
Pole			Building	■	Inferred
Box			Kiosk	Ⓚ	Duct
Manhole			Other proposed plant is shown using dashed lines. BT Symbols not listed above may be disregarded. Existing BT Plant may not be recorded. Information valid at time of preparation. Maps are only valid for 90 days after the date of publication.		
Cabinet					
		Pending Add	In Place	Pending Remove	Not In Use
Power Cable					
Power Duct					N/A

BT Ref : JQA14080T

Map Reference : (centre) SJ8349597945

Easting/Northing : (centre) 383495, 397945

Scale : 1:100

Issued : 15/07/2024 14:08:49

WARNING: IF PLANNED WORKS FALL INSIDE HATCHED AREA IT IS ESSENTIAL BEFORE PROCEEDING THAT YOU CONTACT THE NATIONAL NOTICE HANDLING CENTRE. PLEASE SEND E-MAIL TO: nnhc@openreach.co.uk

Hayley Clark

Hydrock
Unit 4, Lakeside, Festival Way, Festival Park
Stoke-on-Trent,
ST1 5RY

FAO:

How to contact us:

United Utilities Water Limited
Property Searches
Haweswater House
Lingley Mere Business Park
Great Sankey
Warrington
WA5 3LP

Telephone: 0370 7510101

E-mail: propertysearches@uuplc.co.uk

Your Ref: 16488
Our Ref: UUPS-ORD-586833
Date: 16/07/2024

Dear Sirs

Location: FLAT 1 2 ST. JOHN STREET CHAMBERS ST. JOHN STREET, MANCHESTER, M3 4DA

I acknowledge with thanks your request dated 15/07/2024 for information on the location of our services.

Please find enclosed plans showing the approximate position of United Utilities' apparatus known to be in the vicinity of this site.

The enclosed plans are being provided to you subject to the United Utilities terms and conditions for both the wastewater and water distribution plans which are shown attached.

If you are planning works anywhere in the North West, please read United Utilities' access statement before you start work to check how it will affect our network. <http://www.unitedutilities.com/work-near-asset.aspx>.

I trust the above meets with your requirements and look forward to hearing from you should you need anything further.

If you have any queries regarding this matter please [contact us](#).

Yours Faithfully,



Karen McCormack
Property Searches Manager

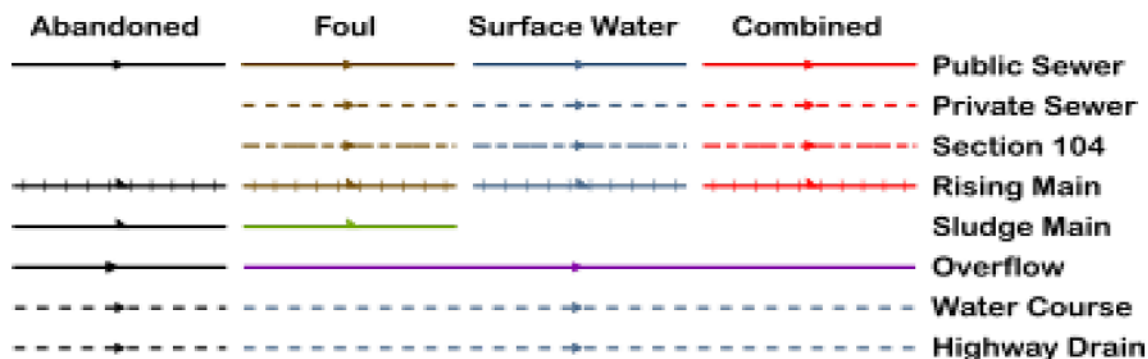
TERMS AND CONDITIONS - WASTEWATER AND WATER DISTRIBUTION PLANS

These provisions apply to the public sewerage, water distribution and telemetry systems (including sewers which are the subject of an agreement under Section 104 of the Water Industry Act 1991 and mains installed in accordance with the agreement for the self construction of water mains) (UUWL apparatus) of United Utilities Water Limited "(UUWL)".

TERMS AND CONDITIONS:

- This Map and any information supplied with it is issued subject to the provisions contained below, to the exclusion of all others and no party relies upon any representation, warranty, collateral contract or other assurance of any person (whether party to this agreement or not) that is not set out in this agreement or the documents referred to in it.
- This Map and any information supplied with it is provided for general guidance only and no representation, undertaking or warranty as to its accuracy, completeness or being up to date is given or implied.
- In particular, the position and depth of any UUWL apparatus shown on the Map are approximate only. UUWL strongly recommends that a comprehensive survey is undertaken in addition to reviewing this Map to determine and ensure the precise location of any UUWL apparatus. The exact location, positions and depths should be obtained by excavation trial holes.
- The location and position of private drains, private sewers and service pipes to properties are not normally shown on this Map but their presence must be anticipated and accounted for and you are strongly advised to carry out your own further enquiries and investigations in order to locate the same.
- The position and depth of UUWL apparatus is subject to change and therefore this Map is issued subject to any removal or change in location of the same. The onus is entirely upon you to confirm whether any changes to the Map have been made subsequent to issue and prior to any works being carried out.
- This Map and any information shown on it or provided with it must not be relied upon in the event of any development, construction or other works (including but not limited to any excavations) in the vicinity of UUWL apparatus or for the purpose of determining the suitability of a point of connection to the sewerage or other distribution systems.
- No person or legal entity, including any company shall be relieved from any liability howsoever and whensoever arising for any damage caused to UUWL apparatus by reason of the actual position and/or depths of UUWL apparatus being different from those shown on the Map and any information supplied with it.
- If any provision contained herein is or becomes legally invalid or unenforceable, it will be taken to be severed from the remaining provisions which shall be unaffected and continue in full force and affect.
- This agreement shall be governed by English law and all parties submit to the exclusive jurisdiction of the English courts, save that nothing will prevent UUWL from bringing proceedings in any other competent jurisdiction, whether concurrently or otherwise.

Wastewater Symbolology



All point assets follow the standard colour convention: **red** – combined **brown** - foul
blue – surface water **purple** - overflow

Manhole	Side Entry Manhole
Head of System	Outfall
Extent of Survey	Screen Chamber
Rodding Eye	Inspection Chamber
Inlet	Bifurcation Chamber
Discharge Point	Lamp Hole
Vortex	T Junction / Saddle
Penstock	Catchpit
Washout Chamber	Valve Chamber
Valve	Vent Column
Air Valve	Vortex Chamber
Non Return Valve	Penstock Chamber
Soakaway	Network Storage Tank
Gully	Sewer Overflow
Cascade	Ww Treatment Works
Flow Meter	Ww Pumping Station
Hatch Box	Septic Tank
Oil Interceptor	Control Kiosk
Summit	DNM Network Monitoring Point
Drop Shaft	Change of Characteristic
Orifice Plate	



Water for the North West

SEWER RECORDS

Address or Site Reference

FLAT 1 2 ST. JOHN STREET
CHAMBERS ST. JOHN STREET,
MANCHESTER,
M3 4DA

Scale: 1:1250
Date: 16/07/2024

Printed by: Property Searches

The position of the underground apparatus shown on this plan is approximate only and is given in accordance with the best information currently available. United Utilities Water will not accept liability for any loss or damage caused by the actual position being different from those shown.

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Clean Water Symbolology

Proposed	Abandoned	Live	
			Distribution Main
			Trunk Main
			Comms Pipe
			Private Pipe
			Concessionary Service
			Raw Water
			LDTM Raw Water
			LDTM Treated Water
			Air Valve
			AC Valve, open
			AC Valve, closed
			CC Valve, open
			CC Valve, closed
			Non Return Valve
			Pressure Management Valve
			OMS Valve
			Stop Tap
			Flow Meter
			Domestic Meter
			Commercial Meter
			Pump
			Hydrant
			Fire Hydrant
			Anode
			Chlorination Point
			De-chlorination Point
			Strainer Point
			Access Point
			Hatch Box
			IP Point
			Sampling Station
			Logger Box
			Bore Hole
			Inlet Point
			Bulk Supply Point
			End Cap
			Site Termination
			Change of Characteristic
			Condition Report
			<u>Property Types</u>
			Water Tower
			Valve House
			Booster Pumping Station
			Intake Pumping Station
			Water Treatment Works
			Supply Reservoir
			Service Reservoir
			Impounding Reservoir
			Pipe Bridge

Symbology for proposed assets is the same as above, but shown in **green**
 Symbology for abandoned assets is the same as above, but shown in **black**



WATER MAIN RECORDS

Address or Site Reference

FLAT 1 2 ST. JOHN STREET
CHAMBERS ST. JOHN STREET,
MANCHESTER,
M3 4DA

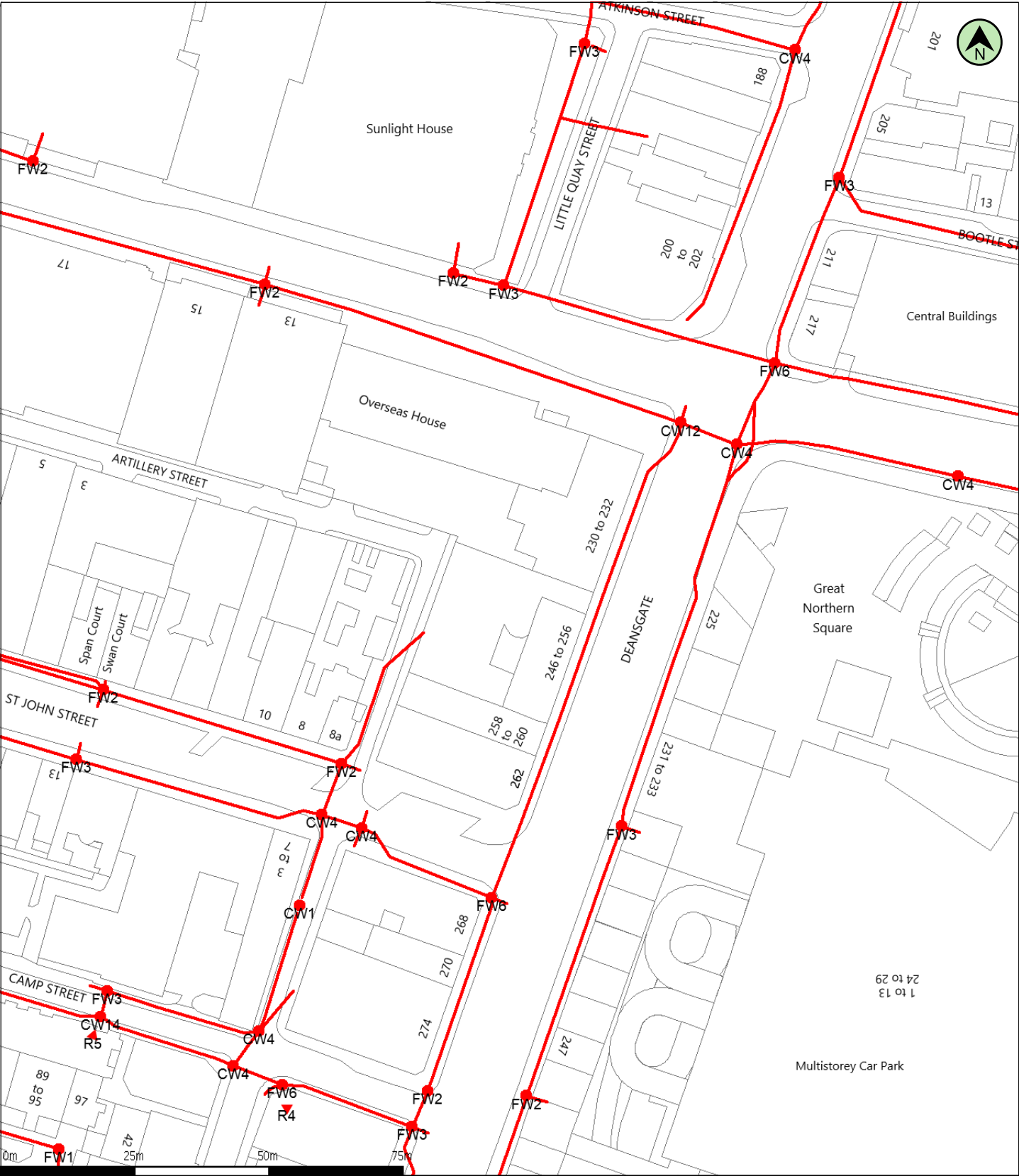
Scale: 1:1250
Date: 16/07/2024

Printed by: Property Searches

The position of the underground apparatus shown on this plan is approximate only and is given in accordance with the best information currently available. United Utilities Water will not accept liability for any loss or damage caused by the actual position being different from those shown.

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Data updated: 01/06/24

Scale: 1:1000
Map Centre: 383495,397945

Date: 15/07/24
Our Ref: 1519817 - 1

Telecoms Plan A4
Powered by digdat

Duct, Trench 	Chamber / Pole 	Cabinet
-------------------------	---------------------------	--------------------

hayleyclark@hydrock.com

16488

Important Information - please read The purpose of this plan is to identify Virgin Media apparatus. We have tried to make it as accurate as possible but we cannot warrant its accuracy. In addition, we caution that within Virgin Media apparatus there may be instances where mains voltage power cables have been placed inside green, rather than black ducting. Further details can be found using the "Affected Postcodes.pdf", which can be downloaded from this website. Therefore, you must not rely solely on this plan if you are carrying out any excavation or other works in the vicinity of Virgin Media apparatus. The actual position of any underground service must be verified by cable detection equipment, etc. and established on site before any mechanical plant is used. Accordingly, unless it is due to the negligence of Virgin Media, its employees or agents, Virgin Media will not have any liability for any omissions or inaccuracies in the plan or for any loss or damage caused or arising from the use of and/or any reliance on this plan. This plan is produced by Virgin Media Limited (c) Crown copyright and database rights 2024 Ordnance Survey 100019209.

Appendix B Accident and Emergency Dept. Location



Imagery ©2024 Airbus, Maxar Technologies, Map data ©2024 200 m

- via A34

Fastest route now, avoids road closure on Great Bridgewater St

15 min

3.3 miles
- via A34 and Hathersage Rd

Heavy traffic, as usual

18 min

2.6 miles
- 3:38 PM – 4:04 PM

26 min

> V2 V1

Explore nearby Manchester Royal Infirmary

- Restaurants
- Hotels
- Petrol stations
- Car Places
- More

Appendix C COSHH Assessments

COSHH Assessment

Substance	Hydraulic Oil 46 (Pirtek)	Process	Site use to include but not limited to, storage, decanting, pouring, and plant maintenance
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Substance Information			
Trade Name:	Hydraulic Oil	Supplier Name:	Various
Other Names:	N/A	Supplier Address:	
CAS Numbers:	Refer to MSDS		
Components:	Refer to MSDS		
Appearance:	Liquid – Yellow	Telephone Number:	If situation arises contact emergency services
Odour:	Characteristic	Other:	n/a

Hazards	Hazard Statements	Precautionary Statements	Exposure Limits
Not classified	Not classified	Refer to MSDS	Refer to MSDS
Signal Word			
Handle with Care			

First Aid Measures	
Eye Contact:	Rinse immediately with plenty of water, remove contact lenses and continue to rinse for at least 15 minutes. If symptoms arise seek medical attention.
Skin Contact:	Remove contaminated clothing and wash off immediately with plenty of water for at least 15 minutes. If symptoms arise seek medical attention.
Ingestion:	Rinse mouth with water. Do not induce vomiting. Immediate medical treatment is necessary.
Inhalation:	Remove casualty to fresh air. Seek medical treatment if symptoms arise.
Aspiration:	Remove casualty to fresh air. Seek medical treatment if symptoms arise.

Pre Control Assessment	Key	Likelihood	Severity	Spill Control	
5 10 15 20 25	1	Very Unlikely	Minor Injury	Spill:	Clear using absorbent material (sand, sawdust, spill kit).
4 8 12 16 20	2	Unlikely	First Aid Injury		
3 6 9 12 15	3	Fairly Likely	7 Day Injury	Aquatic Toxicity:	If release happens inform relevant authorities
2 4 6 8 10	4	Likely	Specified Injury	Mobility:	
1 2 3 4 5	5	Very Likely	Fatal Injury	Degradation:	N/A

Control Measures			
Personnel Protective Equipment		Additional Risk Controls	
	Protective clothing should be worn to ensure the substance does not come into contact with the skin.		Always ensure you wash hands after use and before eating, drinking or smoking.
	Suitable protective gloves should be worn at all times.		Should product contaminate protective or personal clothing, immediately change and wash skin thoroughly.

COSHH Assessment

	Suitable eye protection should be worn when using product.		
---	--	--	--

Post Control Assessment					Key	Likelihood	Severity	Fire Fighting Information	
5	10	15	20	25	1	Very Unlikely	Minor Injury	Small Fire:	Use extinguishers suitable for other materials in the fire. Enact emergency procedure
4	8	12	16	20	2	Unlikely	First Aid Injury		
3	6	9	12	15	3	Fairly Likely	7 Day Injury	Large Fire:	Enact emergency procedure
2	4	6	8	10	4	Likely	Specified Injury	Additional Risks:	N/A
1	2	3	4	5	5	Very Likely	Fatal Injury		

Additional Information
Disposal of materials in accordance with local and national legislation.

COSHH Assessment Reviewed by:	N Brown	Date Published:	19/12/19
Signature:		Review Date:	1/01/2026

COSHH Assessment

Substance	Line Marking Paint- A/B	Process	Use in marking areas of site, storage
-----------	-------------------------	---------	---------------------------------------

Substance Information			
Trade Name:	Line Marking Paint	Supplier Name:	Various
Other Names:	N/A	Supplier Address:	N/A
CAS Numbers:	Refer to MSDS		
Components:	Refer to MSDS		
Appearance:	Liquid, Various in colour	Telephone Number:	If situation arises contact emergency services
Odour:	Characteristic	Other:	N/A

Hazards	Hazard Statements	Precautionary Statements	Exposure Limits
 Irritant  Flammable	H222: Extremely flammable aerosol H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H412 Harmful to aquatic life with long lasting effects.	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 Do not spray on an open flame or other ignition source. P251 Do not pierce or burn, even after use. P271 Use only outdoors or in a well-ventilated area. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. P102 Keep out of reach of children. P501 Dispose of contents/container in accordance with local regulations. P314 Get medical advice/attention if you feel unwell. P260 Do not breathe vapour/spray. P262 Do not get in eyes, on skin, or on clothing.	If trigger time exceeds 10 minutes' consult MSDS.
Signal Word			
DANGER			

First Aid Measures	
Eye Contact:	Rinse immediately with plenty of water for at least 15 minutes. Seek medical attention.
Skin Contact:	Remove contaminated clothing (unless stuck to skin) Wash off immediately with plenty of water for at least 15 minutes. If symptoms arise seek medical attention.
Ingestion:	Rinse mouth with water. Do not induce vomiting. Immediate medical treatment is necessary.
Inhalation:	Remove casualty to fresh air. Seek immediate medical treatment.

COSHH Assessment

Aspiration:	Remove casualty to fresh air. Seek immediate medical treatment.
-------------	---

Pre Control Assessment					Key	Likelihood	Severity	Spill Control	
5	10	15	20	25	1	Very Unlikely	Minor Injury	Spill:	Clear with absorbent media, sand or granules.
4	8	12	16	20	2	Unlikely	First Aid Injury		
3	6	9	12	15	3	Fairly Likely	7 Day Injury	Aquatic Toxicity:	Harmful to aquatic life with long lasting effects. If release happens inform relevant authorities immediately.
2	4	6	8	10	4	Likely	Specified Injury	Mobility:	High in water
1	2	3	4	5	5	Very Likely	Fatal Injury	Degradation:	N/A

Control Measures			
Personnel Protective Equipment		Additional Risk Controls	
	Protective clothing should be worn to ensure the substance does not come into contact with the skin.		Always ensure you wash hands after use, before you eat, drink or smoke.
	Suitable protective gloves should be worn at all times		Should product contaminate protective or personal clothing, immediately change and wash skin thoroughly
	Suitable eye protection should be worn at all times.		Respiratory protection can be worn to reduce personal exposure. Adequate ventilation must be provided when using this product.
	In case of inadequate ventilation wear respiratory protection.		

Post Control Assessment					Key	Likelihood	Severity	Fire Fighting Information	
5	10	15	20	25	1	Very Unlikely	Minor Injury	Small Fire:	Use extinguishers suitable for other material involved. Enact emergency procedure. Enact emergency procedure.
4	8	12	16	20	2	Unlikely	First Aid Injury		
3	6	9	12	15	3	Fairly Likely	7 Day Injury	Large Fire:	Enact emergency procedure.
2	4	6	8	10	4	Likely	Specified Injury	Additional Risks:	Combustion emits toxic fumes. Avoid mixing with oxidising agents and strong acids.
1	2	3	4	5	5	Very Likely	Fatal Injury		

Additional Information
Dispose as contaminated waste in accordance to local and national legislation.
All operatives using masks for protection are required to have been face fit tested.

COSHH Assessment Reviewed by:	N Brown	Date Published:	20/12/19
-------------------------------	---------	-----------------	----------

Signature:		Review Date:	1/01/2026
------------	---	--------------	-----------

COSHH Assessment

Substance	Mineral Oil	Process	General use, including but not limited to decanting, application and storage
-----------	-------------	---------	--

Substance Information			
Trade Name:	Mineral Oil	Supplier Name:	Various
Other Names:	N/A	Supplier Address:	N/A
CAS Numbers:	Refer to MSDS		
Components:	Refer to MSDS		
Appearance:	Varies	Telephone Number:	If situation arises contact emergency services
Odour:	Bland	Other:	N/A

Hazards	Hazard Statements	Precautionary Statements	Exposure Limits
Not classified	Prolonged contact may cause minor skin irritation.	Not classified	Refer to MSDS
Signal Word			
Handle with Care			

First Aid Measures	
Eye Contact:	Rinse immediately with plenty of water for at least 15 minutes. If symptoms arise seek medical attention.
Skin Contact:	Wash off immediately with plenty of water for at least 15 minutes. If symptoms arise seek medical attention.
Ingestion:	Rinse mouth with water, drink two glasses of water. Do not induce vomiting. Immediate medical treatment is necessary.
Inhalation:	Remove casualty to fresh air. Seek medical treatment if symptoms arise.
Aspiration:	Remove casualty to fresh air. Seek medical treatment if symptoms arise.

Pre Control Assessment					Key	Likelihood	Severity	Spill Control	
5	10	15	20	25	1	Very Unlikely	Minor Injury	Spill:	Absorbent material to be used (sand, saw dust, spill kit)
4	8	12	16	20	2	Unlikely	First Aid Injury		
3	6	9	12	15	3	Fairly Likely	7 Day Injury	Aquatic Toxicity:	If release happens inform relevant authorities
2	4	6	8	10	4	Likely	Specified Injury	Mobility:	High in water / Low in soil
1	2	3	4	5	5	Very Likely	Fatal Injury	Degradation:	N/A

Control Measures			
Personnel Protective Equipment		Additional Risk Controls	
	Protective clothing should be worn to ensure the substance does not come into contact with the skin.		Always ensure you wash hands after use and before eating, drinking or smoking.
	Suitable protective gloves should be worn at all times		Should product contaminate protective or personal clothing, immediately change and wash skin thoroughly

COSHH Assessment

	Suitable eye protection should be worn at all times.		
	Suitable footwear should be worn at all times when using the substance.		

Post Control Assessment					Key	Likelihood	Severity	Fire Fighting Information	
5	10	15	20	25	1	Very Unlikely	Minor Injury	Small Fire:	Use extinguishers: Foam, dry powder, Co2, water. Other extinguishing media may have adverse effects.
4	8	12	16	20	2	Unlikely	First Aid Injury		
3	6	9	12	15	3	Fairly Likely	7 Day Injury	Large Fire:	Enact emergency procedure.
2	4	6	8	10	4	Likely	Specified Injury	Additional Risks:	Refer to MSDS.
1	2	3	4	5	5	Very Likely	Fatal Injury		

Additional Information
Disposal of materials in accordance with local and national legislation.

COSHH Assessment Reviewed by:	N Brown	Date Published:	20/12/19
Signature:		Review Date:	1/01/2026

COSHH Assessment

Substance	Petrol (Unleaded)	Process	Storage, filling, decanting, pumping for refuelling, refuelling
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Substance Information			
Trade Name:	Petrol	Supplier Name:	Various
Other Names:	N/A	Supplier Address:	N/A
CAS Numbers:	Refer to MSDS		
Components:	Refer to MSDS		
Appearance:	Light yellow liquid	Telephone Number:	If situation arises contact emergency services
Odour:	Gasoline	Other:	N/A

Hazards	Hazard Statements	Precautionary Statements	Exposure Limits
 Flammable  Irritant  Hazardous to the environment  Mutagenic	H224: Extremely flammable liquid and vapour. H304: May be fatal if swallowed and enters airways. H315: Causes skin irritation. H336: May cause drowsiness or dizziness. H340: May cause genetic defects. H350: May cause cancer. H361: Suspected of damaging fertility or the unborn child. H401: Toxic to aquatic life. H411: Toxic to aquatic life with long lasting effects.	P201: Obtain special instructions before use. P210: Keep away from heat/sparks/open flames/hot surfaces. -No smoking. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P403 + P233: Store in a well-ventilated place. Keep container tightly closed. P501: Dispose of contents and container to appropriate waste site or reclaimed.	Refer to MSDS
Signal Word			
DANGER			

First Aid Measures	
Eye Contact:	Rinse immediately with plenty of water for at least 15 minutes. If symptoms arise seek medical attention.
Skin Contact:	Wash off immediately with plenty of water for at least 15 minutes. If symptoms arise seek medical attention.
Ingestion:	Rinse mouth with plenty of water and give a glass of water (if possible) to drink. Do not induce vomiting. Immediate medical treatment is necessary.
Inhalation:	Remove casualty to fresh air. Seek medical treatment if symptoms arise.
Aspiration:	Remove casualty to fresh air. Seek medical treatment if symptoms arise.

COSHH Assessment

Pre Control Assessment					Key	Likelihood	Severity	Spill Control	
5	10	15	20	25	1	Very Unlikely	Minor Injury	Spill:	Use absorbent material to clear, spill kits, saw dust, sand etc.
4	8	12	16	20	2	Unlikely	First Aid Injury		
3	6	9	12	15	3	Fairly Likely	7 Day Injury	Aquatic Toxicity:	If release happens inform relevant authorities
2	4	6	8	10	4	Likely	Specified Injury	Mobility:	High
1	2	3	4	5	5	Very Likely	Fatal Injury	Degradation:	N/A

Control Measures	
Personnel Protective Equipment	
	Protective clothing should be worn to ensure the substance does not come into contact with the skin.
	Suitable protective gloves should be worn at all times
	Suitable eye protection should be worn at all times.
	Suitable footwear should be worn at all times when using the substance.
Additional Risk Controls	
	Always ensure you wash hands after use and before eating, drinking or smoking.
	Should product contaminate protective or personal clothing, immediately change and wash skin thoroughly
	Respiratory protection can be worn to reduce personal exposure. If ventilation in the working or storage area is poor forced airflow or increased natural ventilation is required.
	When refuelling items of plant or equipment requirement for flame retardant PPE will be assessed and instructed through the risk assessment and method statement for the refuelling process.

Post Control Assessment					Key	Likelihood	Severity	Fire Fighting Information	
5	10	15	20	25	1	Very Unlikely	Minor Injury	Small Fire:	Use extinguishers suitable for other material involved. Enact emergency procedure.
4	8	12	16	20	2	Unlikely	First Aid Injury		
3	6	9	12	15	3	Fairly Likely	7 Day Injury	Large Fire:	Enact emergency procedure.
2	4	6	8	10	4	Likely	Specified Injury	Additional Risks:	Accumulation of fumes can present risk of an explosive atmosphere, ensure all areas are ventilated
1	2	3	4	5	5	Very Likely	Fatal Injury		

Additional Information
Disposal of materials in accordance with local and national legislation.

COSHH Assessment Reviewed by:	N Brown	Date Published:	20/12/19
Signature:		Review Date:	1/01/24

COSHH Assessment

Substance	Postcrete (Post Mix)	Process	Post Installation
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Substance Information			
Trade Name:	Post Mix	Supplier Name:	MGS
Other Names:	-	Supplier Address:	Rougham Ind Est, Bury St Edmunds IP30 9ND
CAS Numbers:	6599715-1		
Components:	Portland Cement		
Appearance:	Grey Aggregate	Telephone Number:	01359 271167
Odour:	None	Other:	N/A

Hazards	Hazard Statements	Precautionary Statements	Exposure Limits
 Corrosive  Irritant	H318 – Causes serious eye damage H315 – Causes skin Irritation H317 – May cause an allergic skin reaction H335 – May cause respiratory irritation	Wear protective gloves, protective clothing, eye protection Avoid breathing dusts	Total dusts 10mg/m ³ Respirable dusts 4mg/m ³ Crystalline Silica 0.1mg/m ³
Signal Word			
Handle with Care			

First Aid Measures	
Eye Contact:	Speed is essential. Immediately wash eyes with plenty of eyewash solution or running water, holding eyelids apart for 15 minutes. Do not rub eyes in order to avoid possible cornea damage as a result of mechanical stress. Always seek further specialist medical/eye specialist attention to check that all particles have been removed
Skin Contact:	Remove affected clothing, footwear, watches, jewellery etc. Wash skin with soap and water immediately. Wash contaminated clothing before re-use. Seek medical attention if irritation occurs
Ingestion:	Immediately rinse mouth and drink plenty of water. Do not induce vomiting. Seek immediate medical advice if person becomes uncomfortable. Show the container or label used
Inhalation:	Move to fresh air. Dust in throat and nasal passages should clear spontaneously. Seek medical attention if irritation persists or later develops or if discomfort, coughing or other symptoms persist

Pre Control Assessment					Key	Likelihood	Severity	Spill Control	
5	10	15	20	25	1	Very Unlikely	Minor Injury	Spill:	Clean up while avoiding dust generation.
4	8	12	16	20	2	Unlikely	First Aid Injury		
3	6	9	12	15	3	Fairly Likely	7 Day Injury	Aquatic Toxicity:	Not hazardous
2	4	6	8	10	4	Likely	Specified Injury	Mobility:	Not relevant to this product
1	2	3	4	5	5	Very Likely	Fatal Injury	Degradation:	Not relevant to this product

Control Measures			
Personnel Protective Equipment		Additional Risk Controls	
	Wear approved glasses or goggles according to EN 166 with anti-mist for eye protection when handling wet or dry materials		When a person is potentially exposed to dust levels above exposure limits, an appropriate respirator must be used dependent on expected dust levels
	Overalls and/or long-sleeved jackets and full-length trousers should be worn to protect skin from contact with wet products. Outer clothing should be waterproof if contact with wet product is likely. Wear impermeable boots to protect feet. Safety wellington boots should be worn if working with wet product, with waterproof trousers pulled over them to help prevent product entering the boots. If the product saturates clothing, or enters gloves or boots, remove the articles immediately and wash before wearing again		

Post Control Assessment					Key	Likelihood	Severity	Fire Fighting Information	
5	10	15	20	25	1	Very Unlikely	Minor Injury	Small Fire:	
4	8	12	16	20	2	Unlikely	First Aid Injury		
3	6	9	12	15	3	Fairly Likely	7 Day Injury	Large Fire:	
2	4	6	8	10	4	Likely	Specified Injury	Additional Risks:	
1	2	3	4	5	5	Very Likely	Fatal Injury		

Additional Information
<p>Skin corrosion/irritation Category 2 - When in contact with wet skin may cause thickening, cracking or fissuring on the skin. Prolonged contact in combination with abrasion may cause severe burns</p> <p>Serious eye damage/irritation Category 1 - Direct contact may cause corneal damage by mechanical stress, immediate or delayed irritation or inflammation. Direct contact by large amounts may cause effects ranging from moderate irritation to chemical burns and blindness</p> <p>Respiratory or skin sensitization Category 1 - Some individuals may develop eczema upon exposure by either the high pH which induces irritant contact dermatitis after prolonged contact, or by an immunological reaction to soluble Cr(VI) which elicits allergic contact dermatitis.</p> <p>The response may appear in a variety of forms ranging from a mild rash to severe dermatitis. If the product contains a soluble Cr (VI) reducing agent and as long as the period of effectiveness of the agent is not exceeded, a sensitizing effect is not expected. There is no indication of sensitization of the respiratory system</p> <p>Repeated dose toxicity - Based on available data, the classification criteria are not met</p> <p>Germ cell mutagenicity - Based on available data, the classification criteria are not met</p> <p>Carcinogenicity - Based on available data, the classification criteria are not met</p> <p>Toxicity for reproduction - Based on available data, the classification criteria are not met</p> <p>STOT – single exposure Category 3 - Dust exposure may irritate the throat and respiratory tract. Coughing, sneezing, and shortness of breath may occur following exposures in excess of occupational exposure limits</p> <p>STOT – repeated exposure - There is an indication of Chronic Obstructive Pulmonary Disease. The effects are acute and due to high exposures. No chronic effects or effects at low concentrations have been observed</p>

COSHH Assessment

Aspiration hazard - Not applicable as these products are not used as an aerosol

COSHH Assessment Reviewed by:	N Brown	Date Published:	20/12/19
Signature:		Review Date:	1/01/2026

COSHH Assessment

Substance	Alcohol Gel Hand Wash	Process	Hand applied and rubbed directly into skin.
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Substance Information			
Trade Name:	Alcohol Gel	Supplier Name:	Vickers Labs Ltd
Other Names:	n/a	Supplier Address:	Grangefield Ind Est Pudsey West Yorkshire LS28 6QW
CAS Numbers:	Mixture		
Components:	n/a		
Appearance:	Mobile Liquid	Telephone Number:	01132362811
Odour:	Characteristic	Other:	n/a

Hazards	Hazard Statements	Precautionary Statements	Exposure Limits
 	H225 -Highly flammable liquid and vapour. H319 - Causes serious eye irritation. H336 - May cause drowsiness or dizziness.	See safety data sheet	See safety data sheet
Signal Word			
Danger			

First Aid Measures	
Eye Contact:	Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. OBTAIN MEDICAL ATTENTION.
Skin Contact:	Wash off skin thoroughly with water. Remove contaminated clothing immediately and wash before re-use.
Ingestion:	If conscious give plenty of water to drink. Do not induce vomiting. If there is difficulty in breathing give oxygen if available. If breathing stops or shows signs of failing, apply artificial resuscitation. If unconscious place in the recovery position. OBTAIN MEDICAL ATTENTION URGENTLY.
Inhalation:	Remove from exposure. Keep warm and at rest. If there is difficulty in breathing give oxygen if available. If breathing stops or shows signs of failing, apply artificial resuscitation. If unconscious place in the recovery position. OBTAIN MEDICAL ATTENTION URGENTLY.
Aspiration:	None.

Pre Control Assessment					Key	Likelihood	Severity	Spill Control	
5	10	15	20	25	1	Very Unlikely	Minor Injury	Spill:	Contain and absorb on inert material. Transfer absorbent to container for removal. Allow solvent to evaporate in remote area, then dispose of absorbent as solid chemical waste. Wash area down with copious amounts of water.
4	8	12	16	20	2	Unlikely	First Aid Injury		
3	6	9	12	15	3	Fairly Likely	7 Day Injury	Aquatic Toxicity:	n/a
2	4	6	8	10	4	Likely	Specified Injury	Mobility:	n/a
1	2	3	4	5	5	Very Likely	Fatal Injury	Degradation:	n/a

COSHH Assessment

Control Measures			
Personnel Protective Equipment		Additional Risk Controls	
	n/a		n/a
	n/a		n/a
	n/a		n/a
	n/a		n/a

Post Control Assessment					Key	Likelihood	Severity	Fire Fighting Information	
5	10	15	20	25	1	Very Unlikely	Minor Injury	Small Fire:	Co2 extinguishers to be used.
4	8	12	16	20	2	Unlikely	First Aid Injury	Large Fire:	Co2 extinguishers to be used.
3	6	9	12	15	3	Fairly Likely	7 Day Injury		
2	4	6	8	10	4	Likely	Specified Injury	Additional Risks:	In very large quantities can pose a fire risk due to the alcohol content.
1	2	3	4	5	5	Very Likely	Fatal Injury		

Additional Information
None.

COSHH Assessment Written by:	N Brown	Date Published:	4/5/20
Signature:		Review Date:	1/1/26

COSHH Assessment

Substance	Alcohol Gel Hand Wash	Process	Hand applied and rubbed directly into skin.
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Substance Information			
Trade Name:	Alcohol Gel	Supplier Name:	T.L. Killis + Son Ltd
Other Names:	n/a	Supplier Address:	286 Glossop Rd Sheffield S10 2HS
CAS Numbers:	n/a		
Components:	n/a		
Appearance:	Mobile Liquid	Telephone Number:	0114 2731502
Odour:	Characteristic	Other:	n/a

Hazards	Hazard Statements	Precautionary Statements	Exposure Limits
	None.	None.	None.
Signal Word			
None.			

First Aid Measures	
Eye Contact:	Rinse eyes with water.
Skin Contact:	None.
Ingestion:	Do not induce vomiting. Contact emergency services.
Inhalation:	None.
Aspiration:	None.

Pre Control Assessment					Key	Likelihood	Severity	Spill Control	
5	10	15	20	25	1	Very Unlikely	Minor Injury	Spill:	Wipe up any residue and dispose of in waste bin.
4	8	12	16	20	2	Unlikely	First Aid Injury		
3	6	9	12	15	3	Fairly Likely	7 Day Injury	Aquatic Toxicity:	n/a
2	4	6	8	10	4	Likely	Specified Injury	Mobility:	n/a
1	2	3	4	5	5	Very Likely	Fatal Injury	Degradation:	n/a

Control Measures			
Personnel Protective Equipment		Additional Risk Controls	
	n/a		n/a
	n/a		n/a
	n/a		n/a

COSHH Assessment

	n/a		n/a
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Post Control Assessment					Key	Likelihood	Severity	Fire Fighting Information	
5	10	15	20	25	1	Very Unlikely	Minor Injury	Small Fire:	Co2 extinguishers to be used.
4	8	12	16	20	2	Unlikely	First Aid Injury	Large Fire:	Co2 extinguishers to be used.
3	6	9	12	15	3	Fairly Likely	7 Day Injury		
2	4	6	8	10	4	Likely	Specified Injury	Additional Risks:	n/a
1	2	3	4	5	5	Very Likely	Fatal Injury		

Additional Information
None.

COSHH Assessment Written by:	N Brown	Date Published:	5/3/20
Signature:		Review Date:	1/1/26

COSHH Assessment

Substance	Bentonite (All Grades)	Process	Usage includes but is not limited to pouring, mixing, decanting and introduction into site areas.
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Substance Information			
Trade Name:	Bentonite	Supplier Name:	Various
Other Names:	N/A	Supplier Address:	N/A
CAS Numbers:	Refer to MSDS		
Components:	Refer to MSDS		
Appearance:	Granular or pellet	Telephone Number:	If situation arises contact emergency services
Odour:	Characteristic	Other:	N/A

Hazards	Hazard Statements	Precautionary Statements	Exposure Limits
N/A	N/A	Avoid dust forming and dry sweeping. Use vacuum suction or shovel into bags.	N/A
Signal Word			
Handle with care			

First Aid Measures	
Eye Contact:	Rinse immediately with plenty of water for at least 15 minutes. If symptoms arise seek medical attention.
Skin Contact:	Wash off immediately with plenty of water for at least 15 minutes. If symptoms arise seek medical attention.
Ingestion:	Rinse mouth with water. Do not induce vomiting. Immediate medical treatment is necessary.
Inhalation:	Remove casualty to fresh air. Seek medical treatment if symptoms arise.
Aspiration:	Remove casualty to fresh air. Seek medical treatment if symptoms arise.

Pre Control Assessment					Key	Likelihood	Severity	Spill Control	
5	10	15	20	25	1	Very Unlikely	Minor Injury	Spill:	Clear into bags and dispose.
4	8	12	16	20	2	Unlikely	First Aid Injury		If wet use absorbent material (sand, sawdust, etc)
3	6	9	12	15	3	Fairly Likely	7 Day Injury	Aquatic Toxicity:	If release happens inform relevant authorities
2	4	6	8	10	4	Likely	Specified Injury	Mobility:	
1	2	3	4	5	5	Very Likely	Fatal Injury	Degradation:	N/A

Control Measures			
<p>Standard Use: Standard use of this product will not require PPE or other controls apart from those set out in the governing RAMS & site safety induction for the project.</p> <p>If this product is being used in a controlled environment, or if other factors dictate, the following control measures are to be implemented.</p>			
Personnel Protective Equipment		Additional Risk Controls	
	Protective clothing should be worn to ensure the substance does not come into contact with the skin.		Always ensure that you wash your hands after task is complete and before eating, drinking or smoking

COSHH Assessment

	Suitable protective gloves should be worn at all times		Should product contaminate protective or personal clothing, immediately change and wash skin thoroughly
	Suitable eye protection should be worn at all times.		FFP3 or better mask to be worn if product dust is encountered

Post Control Assessment					Key	Likelihood	Severity	Fire Fighting Information	
5	10	15	20	25	1	Very Unlikely	Minor Injury	Small Fire:	Use extinguishers suitable for other material involved. Enact emergency procedure.
4	8	12	16	20	2	Unlikely	First Aid Injury	Large Fire:	Enact emergency procedure.
3	6	9	12	15	3	Fairly Likely	7 Day Injury		
2	4	6	8	10	4	Likely	Specified Injury	Additional Risks:	Avoid mixing with any other product, can react with acids and alkalis
1	2	3	4	5	5	Very Likely	Fatal Injury		

Additional Information

Disposal in accordance to local and national legislation.

This assessment is based on standard use Bentonite which is classed as non-hazardous, some bentonite products can be classed as hazardous, if you are using one of these products or are unsure of the product you are using the health and safety dept is required to be consulted (Tel: 01454 619 533)

COSHH Assessment Reviewed by:	N Brown	Date Published:	11/12/19
Signature:		Review Date:	1/01/26

COSHH Assessment

Substance	Carex Professional Handwash	Process	Gel
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Substance Information			
Trade Name:	Carex Professional Handwash	Supplier Name:	PZ Cussons (UK) Ltd
Other Names:	n/a	Supplier Address:	PZ Cussons (UK) Ltd, Manchester Business Park, 3500 Aviator Way, Manchester, M22 5TG
CAS Numbers:	See MSDS		
Components:	See MSDS		
Appearance:	Clear, blue liquid	Telephone Number:	(0)161 435 1000
Odour:	Pleasant odour	Other:	Email: pzweb.general@pzcussons.com

Hazards	Hazard Statements	Precautionary Statements	Exposure Limits
N/A	H302 Harmful if swallowed. H315 Causes skin irritation H319 Causes serious eye irritation.	N/A	See MSDS
Signal Word			
N/A			

First Aid Measures	
Eye Contact:	Bathe the eye with running water for 15 minutes.
Skin Contact:	Wash off with plenty of water. Seek medical attention if irritation or discomfort occurs.
Ingestion:	Wash out mouth with water.
Inhalation:	Remove from exposure ensuring one's own safety whilst doing so. Consult a Doctor if breathing is difficult. Move the exposed person to fresh air.
Aspiration:	n/a

Pre Control Assessment					Key	Likelihood	Severity	Spill Control	
5	10	15	20	25	1	Very Unlikely	Minor Injury	Spill:	Absorb spilled gel and disposal by an appropriate method.
4	8	12	16	20	2	Unlikely	First Aid Injury		
3	6	9	12	15	3	Fairly Likely	7 Day Injury	Aquatic Toxicity:	n/a
2	4	6	8	10	4	Likely	Specified Injury	Mobility:	n/a
1	2	3	4	5	5	Very Likely	Fatal Injury	Degradation:	n/a

Control Measures			
Personnel Protective Equipment		Additional Risk Controls	
	Wash hands after use.		

COSHH Assessment

Post Control Assessment					Key	Likelihood	Severity	Fire Fighting Information	
5	10	15	20	25	1	Very Unlikely	Minor Injury	Small Fire:	n/a
4	8	12	16	20	2	Unlikely	First Aid Injury	Large Fire:	n/a
3	6	9	12	15	3	Fairly Likely	7 Day Injury		
2	4	6	8	10	4	Likely	Specified Injury	Additional Risks:	n/a
1	2	3	4	5	5	Very Likely	Fatal Injury		

Additional Information
n/a

COSHH Assessment Written by:	N Brown	Date Published:	15/02/2021
Signature:		Review Date:	1/01/2026

COSHH Assessment

Substance	Cement	Process	General duties to include but not limited to, handling, mixing and application
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Substance Information			
Trade Name:	Cement	Supplier Name:	Various
Other Names:	N/A	Supplier Address:	N/A
CAS Numbers:	Refer to MSDS		
Components:	Refer to MSDS		
Appearance:	Fine ground material, grey in colour	Telephone Number:	If situation arises contact the emergency services
Odour:	N/A	Other:	N/A

Hazards	Hazard Statements	Precautionary Statements	Exposure Limits
 Corrosive  Irritant	H318: Causes serious eye damage H315: Causes skin irritation H317: May cause an allergic skin reaction H335: May cause respiratory irritation	P102: Keep out of reach of children. P280: Wear protective gloves/protective clothing/eye protection/face protection. P261+P304+P340+P312: Avoid breathing dust. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. P501: Dispose of product/packaging by hardening with the application of water and dispose of as concrete waste.	Refer to MSDS
Signal Word			
Danger			

First Aid Measures	
Eye Contact:	Rinse immediately (remove contact lenses if you can) with plenty of water for at least 20 minutes. Use isotonic water if possible. Seek medical attention or eye specialist.
Skin Contact:	Wash off immediately with plenty of water for at least 15 minutes. If symptoms arise seek medical attention.
Ingestion:	Rinse mouth with water. Do not induce vomiting. Give plenty of water to drink. Immediate medical treatment is necessary.
Inhalation:	Remove casualty to fresh air. Seek medical treatment is symptoms arise.
Aspiration:	Remove casualty to fresh air. Seek medical treatment is symptoms arise.

Pre Control Assessment					Key	Likelihood	Severity	Spill Control	
5	10	15	20	25	1	Very Unlikely	Minor Injury	Spill:	Clear with appropriate media for situation (shovel, dust pan into bag)
4	8	12	16	20	2	Unlikely	First Aid Injury		
3	6	9	12	15	3	Fairly Likely	7 Day Injury	Aquatic Toxicity:	Do not allow release, if release happens inform relevant authorities
2	4	6	8	10	4	Likely	Specified Injury	Mobility:	High in water
1	2	3	4	5	5	Very Likely	Fatal Injury	Degradation:	N/A

COSHH Assessment

Control Measures			
Personnel Protective Equipment		Additional Risk Controls	
	Protective clothing should be worn to ensure the substance does not come into contact with the skin.		Always ensure that you wash your hands after task is complete and before eating, drinking or smoking.
	Suitable protective gloves should be worn at all times.		Should product contaminate protective or personal clothing, immediately change and wash skin thoroughly.
	Suitable eye protection should be worn at all times when using this product.		
	Suitable footwear should be worn at all times when using the substance.		
	Suitable RPE with FFP3 to be worn when using this substance.		

Post Control Assessment					Key	Likelihood	Severity	Fire Fighting Information	
5	10	15	20	25	1	Very Unlikely	Minor Injury	Small Fire:	Use extinguishers suitable for other material involved. Enact emergency procedure.
4	8	12	16	20	2	Unlikely	First Aid Injury	Large Fire:	Enact emergency procedure.
3	6	9	12	15	3	Fairly Likely	7 Day Injury		
2	4	6	8	10	4	Likely	Specified Injury	Additional Risks:	Decomposition of product may produce carbon monoxide & carbon dioxide.
1	2	3	4	5	5	Very Likely	Fatal Injury		

Additional Information
Disposal in accordance to local and national legislation.

COSHH Assessment Reviewed by:	N Brown	Date Published:	11/12/2019
Signature:		Review Date:	1/01/2026

COSHH Assessment

Substance	Cold Lay Tarmac	Process	Usage includes but is not limited to pouring, mixing, decanting and introduction into site areas.
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Substance Information			
Trade Name:	Cold Lay Tarmac	Supplier Name:	Various
Other Names:	N/A	Supplier Address:	N/A
CAS Numbers:	Refer to MSDS		
Components:	Refer to MSDS		
Appearance:	Granular solid, variable particle size. Typically black/dark brown	Telephone Number:	If situation arises contact emergency services
Odour:	Strong characteristic	Other:	N/A

Hazards	Hazard Statements	Precautionary Statements	Exposure Limits
N/A	H304 May be fatal if swallowed and enters airways	P261 Avoid breathing dust/fume/vapours	N/A
Signal Word	H373i May cause damage to organs (lungs) through prolonged or repeated exposure (inhalation). This statement is specifically in relation to inhalation of dust containing respirable crystalline silica when hardened asphalt is drilled, cut, planed or surface treated.	P271 Only use outdoors or in a well-ventilated area	
N/A	H317 May cause skin irritation H335 May cause respiratory irritation	P281 Use personal protective equipment (PPE) as required	

First Aid Measures	
Eye Contact:	If material is hot, apply the same measures as 'skin contact' above. If the material is cool, immediately and thoroughly irrigate with eye wash solution or clean water. If symptoms develop or persist, seek medical attention. Do not rub eyes, as the material is abrasive and may scratch the surface of the eye.
Skin Contact:	Burns caused by contact with hot material should be cooled by immediately flushing with large amounts of cold water. Do not attempt to remove anything from the burn area unless required to allow breathing and do not attempt to peel set material from the skin. Seek medical attention. For contact not resulting in burns, remove contaminated clothing and wash skin with soap/cleanser and rinse with plenty of water. If irritation occurs and persists or there are signs of skin damage, obtain medical attention.
Ingestion:	Remove to fresh air. If person is conscious, rinse out mouth and seek further medical attention. Never give anything by mouth to an unconscious person.
Inhalation:	Immediately remove to fresh air. If breathing difficulties are experienced, seek medical attention. If breathing has stopped, commence artificial resuscitation and seek medical attention immediately
Aspiration:	Whilst extremely unlikely, if the product is believed to have entered the lungs (eg as a result of vomiting), take the person to hospital immediately for medical treatment.

COSHH Assessment

Pre Control Assessment					Key	Likelihood	Severity	Spill Control	
5	10	15	20	25	1	Very Unlikely	Minor Injury	Spill:	Use general spill kit. Prevent further spillage if safe to do so. Do not let product enter drains or watercourses and prevent from being deposited anywhere other than the intended placement site.
4	8	12	16	20	2	Unlikely	First Aid Injury		
3	6	9	12	15	3	Fairly Likely	7 Day Injury	Aquatic Toxicity:	If release happens inform relevant authorities
2	4	6	8	10	4	Likely	Specified Injury	Mobility:	Immobile. Will sink in water and form a layer on the surface of the ground. May contaminate soil
1	2	3	4	5	5	Very Likely	Fatal Injury	Degradation:	N/A

Control Measures			
Personnel Protective Equipment		Additional Risk Controls	
	Protective clothing should be worn to ensure the substance does not come into contact with the skin.		Always ensure that you wash your hands after task is complete and before eating, drinking or smoking
	Suitable protective gloves should be worn at all times		FFP3 or better mask to be worn if product dust is encountered
	Suitable eye protection should be worn at all times.		

Post Control Assessment					Key	Likelihood	Severity	Fire Fighting Information	
5	10	15	20	25	1	Very Unlikely	Minor Injury	Small Fire:	Use media such as alcohol/foam, dry chemical, or carbon dioxide or water fog. Do not use direct water jets. Cool affected containers with flooding quantities of water if safe to do so.
4	8	12	16	20	2	Unlikely	First Aid Injury	Large Fire:	Enact emergency procedure.
3	6	9	12	15	3	Fairly Likely	7 Day Injury		
2	4	6	8	10	4	Likely	Specified Injury	Additional Risks:	Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, polycyclic aromatic hydrocarbons (PAH) and unidentified organic compounds will be evolved when this material undergoes combustion. Inclusion of water into molten material may allow pockets of superheated steam to form which may cause an explosion.
1	2	3	4	5	5	Very Likely	Fatal Injury		

Additional Information

COSHH Assessment

Disposal in accordance to local and national legislation.

COSHH Assessment Reviewed by:	N Brown	Date Published:	25/07/22
Signature:		Review Date:	1/01/26

COSHH Assessment

Substance	Contaminated Soil	Process	Interaction / Site Presence
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Substance Information			
Trade Name:	N/A	Supplier Name:	N/A
Other Names:	N/A	Supplier Address:	N/A
CAS Numbers:	N/A		
Components:	N/A		
Appearance:	Soil	Telephone Number:	If situation arises contact emergency services
Odour:	Varies	Other:	N/A

Hazards	Hazard Statements	Precautionary Statements	Exposure Limits
 To be treated as potentially harmful & irritant Signal Word CAUTION	Potentially Harmful Potential Irritant	Unknown	Unknown

First Aid Measures	
Eye Contact:	Rinse immediately with plenty of water for at least 15 minutes. If symptoms arise seek medical attention.
Skin Contact:	Wash off immediately with plenty of water for at least 15 minutes. If symptoms arise seek medical attention.
Ingestion:	Rinse mouth with water. Do not induce vomiting. Immediate medical treatment is necessary.
Inhalation:	Remove casualty to fresh air. Seek medical treatment if symptoms arise.
Aspiration:	Remove casualty to fresh air. Seek medical treatment if symptoms arise.

Pre Control Assessment					Key	Likelihood	Severity	Spill Control	
5	10	15	20	25	1	Very Unlikely	Minor Injury	Spill:	N/A
4	8	12	16	20	2	Unlikely	First Aid Injury		
3	6	9	12	15	3	Fairly Likely	7 Day Injury	Aquatic Toxicity:	N/A
2	4	6	8	10	4	Likely	Specified Injury	Mobility:	Medium as soluble solution
1	2	3	4	5	5	Very Likely	Fatal Injury	Degradation:	N/A

Control Measures
 ATTENTION: Prior to any interaction or working in proximity to potential or proven contaminated soils the health and safety department MUST to be consulted.

COSHH Assessment

Personnel Protective Equipment		Additional Risk Controls	
	Eye protection to be worn whilst handling contaminated soil		Always ensure that you wash your hands after task is complete and before eating, drinking or smoking
	Nitrile gloves to be worn whilst handling contaminated soil.		If risk of inhalation as nuisance dust, standard dust mask to be worn during handling and in the vicinity of contaminated soil

Post Control Assessment					Key	Likelihood	Severity	Fire Fighting Information	
5	10	15	20	25	1	Very Unlikely	Minor Injury	Small Fire:	Use extinguishers suitable for other material involved. Enact emergency procedure.
4	8	12	16	20	2	Unlikely	First Aid Injury	Large Fire:	Enact emergency procedure.
3	6	9	12	15	3	Fairly Likely	7 Day Injury		
2	4	6	8	10	4	Likely	Specified Injury	Additional Risks:	N/A
1	2	3	4	5	5	Very Likely	Fatal Injury		

Additional Information
<p>If chemical analysis of site specific contaminated soils is in place or if a substance present in the soil has been identified which is covered by the Control Of Substances Hazardous to Health (COSHH) Regulations, a new COSHH assessment will be required.</p> <p>Due to the soil not having been laboratory tested a MSDS is not available to supply with this assessment.</p>

COSHH Assessment Reviewed by:	N Brown	Date Published:	11/12/2019
Signature:		Review Date:	1/01/2026

COSHH Assessment

Substance	Diesel (all types)	Process	General duties to include but not limited to, delivery, decanting, refuelling
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Substance Information			
Trade Name:	Diesel	Supplier Name:	Various
Other Names:	Red Diesel, white diesel	Supplier Address:	N/A
CAS Numbers:	Refer to MSDS		
Components:	Refer to MSDS		
Appearance:	Opaque liquid / red tinge	Telephone Number:	If situation arises contact emergency services
Odour:	Hydro-carbon	Other:	N/A

Hazards	Hazard Statements	Precautionary Statements	Exposure Limits
 Flammable  Harmful  Hazardous to the environment  Mutagenic Signal Word DANGER	H304: May be fatal if swallowed and enters airways. H315: Causes skin irritation. H332: Harmful if inhaled. H351: Suspected of causing cancer. H373: May cause damage to organs or organ systems through prolonged or repeated exposure. H411: Toxic to aquatic life with long lasting effects. H401: Toxic to aquatic life.	P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P260 + P261: Avoid breathing dust/fume/gas/mist/vapours/spray. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P331: Do NOT induce vomiting. P501: Dispose of contents and container to appropriate waste site or reclaimed in accordance with local and national regulations.	Refer to MSDS

First Aid Measures	
Eye Contact:	Rinse immediately with plenty of water for at least 15 minutes. Remove contact lenses and continue to rinse for a further 10 minutes. If symptoms arise seek medical attention.
Skin Contact:	Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing. If symptoms arise seek medical attention.
Ingestion:	Rinse mouth with water. Remove dentures if any. Remove IP to fresh air. Do not induce vomiting. Immediate medical treatment is necessary.
Inhalation:	Remove casualty to fresh air. Seek medical treatment is symptoms arise.
Aspiration:	Remove casualty to fresh air. Seek medical treatment is symptoms arise.

COSHH Assessment

Pre Control Assessment					Key	Likelihood	Severity	Spill Control	
5	10	15	20	25	1	Very Unlikely	Minor Injury	Spill:	Clean with absorbent material or spill kits.
4	8	12	16	20	2	Unlikely	First Aid Injury		
3	6	9	12	15	3	Fairly Likely	7 Day Injury	Aquatic Toxicity:	If release happens inform relevant authorities
2	4	6	8	10	4	Likely	Specified Injury	Mobility:	High
1	2	3	4	5	5	Very Likely	Fatal Injury	Degradation:	N/A

Control Measures			
Personnel Protective Equipment		Additional Risk Controls	
	Protective clothing should be worn to ensure the substance does not come into contact with the skin.		Always ensure you wash hands after use and before eating, drinking or smoking.
	Suitable protective gloves should be worn at all times		Should product contaminate protective or personal clothing, immediately change and wash skin thoroughly
	Suitable eye protection should be worn at all times.		Respiratory protection can be worn to reduce personal exposure.
	Suitable footwear should be worn at all times when using the substance.		

Post Control Assessment					Key	Likelihood	Severity	Fire Fighting Information	
5	10	15	20	25	1	Very Unlikely	Minor Injury	Small Fire:	Use extinguishers suitable for other material involved. Enact emergency procedure.
4	8	12	16	20	2	Unlikely	First Aid Injury		
3	6	9	12	15	3	Fairly Likely	7 Day Injury	Large Fire:	
2	4	6	8	10	4	Likely	Specified Injury	Additional Risks:	Refer to MSDS
1	2	3	4	5	5	Very Likely	Fatal Injury		

Additional Information	
Must be disposed of as hazardous waste.	

COSHH Assessment Reviewed by:	N Brown	Date Published:	11/12/2019
Signature:		Review Date:	1/01/2026

COSHH Assessment

Substance	Engine / Motor Oil - PIRTEK	Process	General use, including but not limited to decanting, application and storage
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Substance Information			
Trade Name:	Motor Oil / Engine oil	Supplier Name:	Various
Other Names:	N/A	Supplier Address:	N/A
CAS Numbers:	Refer to MSDS		
Components:	Refer to MSDS		
Appearance:	Amber Liquid	Telephone Number:	If situation arises contact emergency services
Odour:	Characteristic	Other:	N/A

Hazards	Hazard Statements	Precautionary Statements	Exposure Limits
Not classified	Not classified	Not classified	Refer to MSDS
Signal Word			
Handle with Care			

First Aid Measures	
Eye Contact:	Rinse immediately with plenty of water for at least 15 minutes. If symptoms arise seek medical attention.
Skin Contact:	Wash off immediately with plenty of water for at least 15 minutes. If symptoms arise seek medical attention.
Ingestion:	Rinse mouth with water. Do not induce vomiting. Immediate medical treatment is necessary.
Inhalation:	Remove casualty to fresh air. Seek medical treatment if symptoms arise.
Aspiration:	Remove casualty to fresh air. Seek medical treatment if symptoms arise.

Pre Control Assessment					Key	Likelihood	Severity	Spill Control	
5	10	15	20	25	1	Very Unlikely	Minor Injury	Spill:	Use absorbent material, (sawdust, sand, spill kit)
4	8	12	16	20	2	Unlikely	First Aid Injury		
3	6	9	12	15	3	Fairly Likely	7 Day Injury	Aquatic Toxicity:	If release happens inform relevant authorities
2	4	6	8	10	4	Likely	Specified Injury	Mobility:	High in water
1	2	3	4	5	5	Very Likely	Fatal Injury	Degradation:	N/A

Control Measures			
Personnel Protective Equipment		Additional Risk Controls	
	Protective clothing should be worn to ensure the substance does not come into contact with the skin.		Always ensure that you wash your hands after task is complete and before eating, drinking or smoking

COSHH Assessment

	Suitable protective gloves should be worn at all times		Should product contaminate protective or personal clothing, immediately change and wash skin thoroughly
	Suitable eye protection should be worn at all times.		Respiratory protection can be worn to reduce personal exposure. Ventilation may be required if insufficient natural air flow.
	Suitable footwear should be worn at all times when using the substance.		

Post Control Assessment					Key	Likelihood	Severity	Fire Fighting Information	
5	10	15	20	25	1	Very Unlikely	Minor Injury	Small Fire:	Use extinguishers suitable for other material involved. Enact emergency procedure.
4	8	12	16	20	2	Unlikely	First Aid Injury		
3	6	9	12	15	3	Fairly Likely	7 Day Injury	Large Fire:	Enact emergency procedure.
2	4	6	8	10	4	Likely	Specified Injury	Additional Risks:	N/A
1	2	3	4	5	5	Very Likely	Fatal Injury		

Additional Information
This assessment does not cover waste oils

COSHH Assessment Reviewed by:	N Brown	Date Published:	11/12/2019
Signature:		Review Date:	1/01/2026

COSHH Assessment

Substance	Grease EP2	Process	General duties to include but not limited to, storage and application
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Substance Information			
Trade Name:	Various	Supplier Name:	Various
Other Names:	General purpose grease Bearing grease	Supplier Address:	N/A
CAS Numbers:	Refer to MSDS		
Components:	Refer to MSDS		
Appearance:	Paste like substance, varies in colour	Telephone Number:	If situation arises contact emergency services
Odour:	N/A	Other:	N/A

Hazards	Hazard Statements	Precautionary Statements	Exposure Limits
Not classified	Not classified	P101: If medical advice is needed, have product container or label at hand. P102: Keep out of reach of children.	Refer to MSDS
Signal Word			
Handle with Care			

First Aid Measures	
Eye Contact:	Rinse immediately with plenty of water for at least 15 minutes. Remove contact lenses and continue to rinse for a further 15 minutes. If symptoms arise seek medical attention.
Skin Contact:	Remove contaminated clothing, wash off immediately with plenty of water for at least 15 minutes. If symptoms arise seek medical attention.
Ingestion:	Rinse mouth with water. Do not induce vomiting. Immediate medical treatment is necessary.
Inhalation:	Remove casualty to fresh air. Seek medical treatment if symptoms arise.
Aspiration:	Remove casualty to fresh air. Seek medical treatment if symptoms arise.

Pre Control Assessment					Key	Likelihood	Severity	Spill Control	
5	10	15	20	25	1	Very Unlikely	Minor Injury	Spill:	Clean using absorbent material, (saw dust, sand, spill kit)
4	8	12	16	20	2	Unlikely	First Aid Injury		
3	6	9	12	15	3	Fairly Likely	7 Day Injury	Aquatic Toxicity:	If release happens inform relevant authorities
2	4	6	8	10	4	Likely	Specified Injury	Mobility:	Medium in water
1	2	3	4	5	5	Very Likely	Fatal Injury	Degradation:	N/A

Control Measures			
Personnel Protective Equipment		Additional Risk Controls	
	Protective clothing should be worn to ensure the substance does not come into contact with the skin.		Always ensure you wash hands after use.

COSHH Assessment

	Suitable protective gloves should be worn at all times		
	Suitable eye protection should be worn at all times.		
	Suitable footwear should be worn at all times when using the substance.		

Post Control Assessment					Key	Likelihood	Severity	Fire Fighting Information	
5	10	15	20	25	1	Very Unlikely	Minor Injury	Small Fire:	Use extinguishers suitable for other material involved. Enact emergency procedure.
4	8	12	16	20	2	Unlikely	First Aid Injury		
3	6	9	12	15	3	Fairly Likely	7 Day Injury	Large Fire:	Enact emergency procedure.
2	4	6	8	10	4	Likely	Specified Injury	Additional Risks:	N/A
1	2	3	4	5	5	Very Likely	Fatal Injury		

Additional Information
Disposal in accordance to local and national legislation.

COSHH Assessment Reviewed by:	N Brown	Date Published:	11/12/2019
Signature:		Review Date:	1/01/2026

COSHH Assessment

Substance	Grime-eez multi wipes	Process	Hand cleansing / cleaning
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Substance Information			
Trade Name:	Grime-eez multi wipes	Supplier Name:	Allied Hygiene
Other Names:	-	Supplier Address:	
CAS Numbers:	Refer to MSDS		
Components:	Refer to MSDS		
Appearance:	Cloth wipes	Telephone Number:	If situation arises contact emergency services
Odour:	n/a	Other:	n/a

Hazards	Hazard Statements	Precautionary Statements	Exposure Limits
n/a	H319: Causes serious eye irritation	P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+313: If eye irritation persists: Get medical advice. P332+313: If skin irritation occurs: Get medical advice/attention.	Refer to MSDS
Signal Word			
n/a			

First Aid Measures	
Eye Contact:	Bathe the eye with running water for 15 minutes.
Skin Contact:	In case of allergy, drench the affected skin with water
Ingestion:	As the substrate is a wipe material ingestion is highly unlikely but in the event do not induce vomiting and wash mouth out with water. Consult a doctor.
Inhalation:	Move to fresh air in case of accidental inhalation of vapours.

Pre Control Assessment					Key	Likelihood	Severity	Spill Control	
5	10	15	20	25	1	Very Unlikely	Minor Injury	Spill:	Clear up with absorbent material (sand, saw dust, spill kit or some such other absorbent material)
4	8	12	16	20	2	Unlikely	First Aid Injury		
3	6	9	12	15	3	Fairly Likely	7 Day Injury	Aquatic Toxicity:	Toxic, do not discharge into water courses.
2	4	6	8	10	4	Likely	Specified Injury	Mobility:	Water: High Land: Low
1	2	3	4	5	5	Very Likely	Fatal Injury	Degradation:	N/A

Control Measures			
Personnel Protective Equipment		Additional Risk Controls	
	Always ensure that you wash your hands after task is complete and before eating,		

COSHH Assessment

	drinking or smoking		
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Post Control Assessment					Key	Likelihood	Severity	Fire Fighting Information	
5	10	15	20	25	1	Very Unlikely	Minor Injury	Small Fire:	Suitable extinguishing media for the surrounding fire should be used.
4	8	12	16	20	2	Unlikely	First Aid Injury		
3	6	9	12	15	3	Fairly Likely	7 Day Injury	Large Fire:	Suitable extinguishing media for the surrounding fire should be used.
2	4	6	8	10	4	Likely	Specified Injury	Additional Risks:	In combustion emits toxic fumes.
1	2	3	4	5	5	Very Likely	Fatal Injury		

Additional Information
Disposal of materials in accordance with local and national legislation.

COSHH Assessment Reviewed by:	N Brown	Date Published:	17/12/19
Signature:		Review Date:	1/01/2026

Appendix D Exploratory Hole Location Plan



ID	Type	X (Easting)	Y (Northing)	Proposed Depth (m)	Installation
WS01	WS	383459.84	397929.05	5	Y
WS02	WS	383464.21	397946.65	5	Y
WS03	WS	383472.93	397948.79	5	Y
WS04	WS	383467.61	397936.59	5	N

KEY PLAN

-  Site Boundary
- Proposed Locations [4]
-  Window Sampling [4]

NOTES

1. Contains OS data © Crown copyright and database right (2022)

REVISIONS

REV.	DRAWN BY INITIALS	CHECKED BY INITIALS	DATE	REVISION NOTES/COMMENTS
P01	JH	RS	24/07/24	First issue



CLIENT
Vision Developments

PROJECT
8-8a St John Street

TITLE
PROPOSED GROUND INVESTIGATION PLAN

HYDROCK PROJECT NO.
16488

SCALE @ A3
1:250

PURPOSE OF ISSUE
SUITABLE FOR INFORMATION

STATUS
S2

DRAWING NO.
16488-HYD-XX-XX-DR-GE-0004

REVISION
P01

Method Statement Risk Assessment

Appendix E Method Statements

METHOD STATEMENT

MIDLAND SURVEY LIMITED

Ground Clearance Survey

Site name:

Client:

Special Precaution: Drilling plant

On Arrival at site

1. On attending site, the surveyor will report to the site engineer.
2. Surveyor and assistant will be briefed on site safety before commencement of survey and a test approach agreed.
3. The surveyor should spend some time carefully walking round the site and making an informed judgement on any possible / existing safety risks. If there are significant risks, then this must be reported to the office immediately.
4. Surveyor and assistant will be expected to wear appropriate safety clothing, the minimum being:
 1. Reflective Jacket
 2. Safety Boots

See below for more detail

5. The Surveyor and assistant are to carefully read through all documentation with regards the survey requirements.
6. Site knowledge and any known records to be studied and investigated. The Surveyor should use this information to consider what services to expect to be present due to the nature of the site.

Commencement of ground clearance survey

The survey will consist of the surveyor identifying the services in close vicinity of the location to be drilled. These will be done using radio detection methods and Ground Probe Radar. The identified services will be marked on the ground.

Start of Services – Walk the site with locator looking for passive frequencies identifying covers and street furniture that will give an indication of services below ground. If stats are supplied these are used in conjunction with onsite information.

All services including those that are made of a conductible metallic material are located using electromagnetic techniques this consists of using a direct connection, transmitting clamp or inducing a signal along the service. These are normally traced from surface features such as lampposts, signs and manhole covers.

All services including those not made of a conductible metallic material are located using ground penetrating radar.

METHOD STATEMENT

Drainage

Start of drainage – Lift manhole covers in the vicinity of each location and provide invert levels, flow direction, pipe diameter and sewer type flow direction being storm foul or combined. This will be carried out using manhole keys and or a hydraulic lifter.

Link drainage runs from start of run to finish, this is done using flexi drainage rod with a locatable sonde to accurately locate run position and depth where applicable.

Also depending on condition of drainage, environmentally safe dye is used to determine the correct run of individual pipes.

On clear and flowing runs tapping the up or down stream manhole will give an audible connection, this is only a link indication and is not relied upon.

Steel pipe work: If all above techniques are not successful electromagnetic location is used in the same way services are traced.

Draw up drainage check over all information gained once complete in conjunction with stats if supplied.

When all the above methods have been utilised the Surveyor will carry out a power sweep of each location along with a GPR sweep. Once the location has been deemed safe enough to dig our Surveyor will mark a target symbol with 2/4 filled in.

Before Leaving Site

Before leaving site a check should be made to ensure all possible services have been located and that all manholes and inspections covers have been safely replaced.

The client should then be informed of any problems encountered or services that were unable to be identified. If possible a site walk should be carried out to confirm that the correct areas have been fully surveyed and that the client understands the information provided. The client will sign the job sheet to confirm this.

Upon returning to the office all information should be handed in along with a brief report highlighting any problems or difficulties. The office is to be informed of any deadline requirements for the work carried out and any other client requests.

Personal Protective Equipment to be used (delete as applicable)

Yellow Jackets/Vests
Hard Hats
Steel toe-capped boots
Gloves
Goggles
Ear defenders
Safety Harness

METHOD STATEMENT

Resources

No mechanical plant is required to carry out this work.

No work will that we carry out is sub-let to another company.

No materials are needed to complete this work.

Equipment used will consist of;

1 x Surveyor. 1 x Assistant.

RD8000 locating tool.

GPR locating tool.

Manhole cover lifting tools (including keys, crowbar, hammer, screwdriver, separate tape)

GPS and total station to record utilities locations.

Total Station

Permits Required

At present no work on this contract will require a specific written permit, however, any change in the scope of works should be assessed to ensure that **this requirement does not change**

Emergency Procedure & First Aid

In the event of any emergency incident the Senior Surveyor is to assess the situation and take the appropriate action, informing the emergency services where necessary.

All incidents should be reported back to a Director at Midland Survey at the earliest convenience. The site contact or client should be notified.

The nominated First Aider for Midland Survey is David Johnson (Director). All vehicles contain First Aid Kits.

Any alternative procedures should be noted below

Date & Signature:

Ground Clearance Survey

Midland Survey Ltd
Cromwell House
Westfield Road
Southam
Warwickshire
CV47 0JH

Carried out by: T W Griffiths

Special Precaution: Drilling Plant

Site:

Client:

Review date:

List significant hazards present: (e.g. trailing cables on floor)	Who is at risk? (e.g. office staff)	What is the level of risk? (i.e. the chance of an injury occurring)	State existing control measures: (e.g. rubber cable covers) If no control measures, state action to be taken: (e.g. move equipment?)	Level of Risk after control measures have been applied
Site Employee's	Site Staff	Low	Inform site engineer of your whereabouts. Notify the appropriate people when vacating the site.	Low
Traffic and Emergency vehicles	Site Staff	High	Use reflective clothing and road cones where appropriate. Avoid setting the instrument in places where it may be an obstruction, especially on busy roads.	Medium
Industrial Site	Site Staff	High	As above. Generally, you will have to comply with the sites own Health and Safety policy which should be read carefully and signed. Personal Protective equipment must be worn at all times. This includes boots, reflective clothing and hard hats. Sometimes protective gloves may be needed. These can be found in the stores.	Medium
Equipment	Site Staff and public	Medium	Equipment being used on site should not be left unattended and shouldn't be left in a position where it could cause an obstruction or a hazard to the public or the Surveyor.	Low
Use of equipment	Site Staff	Low	Equipment should be treated with respect and not used for any other purpose than its original intention. Any faults should be reported to the Directors immediately.	Low
Debris (falling)	Site Staff	High	Where there is a risk of falling debris hard hats and boots must be worn. In the event of the risk being high the area should be surveyed remotely or avoided completely. In this situation one of the Directors must be consulted immediately.	Medium
Debris (on floor) and uneven terrain	Site Staff	Medium	Safety boots must be worn.	Low

Ground Clearance Survey

Scaffolding and ladders	Site Staff	Medium	Work on scaffolding and ladders will not be permitted.	Low
Dangerous substances	Site Staff	High	Unknown or hazardous chemicals and materials must not be approached, touched or even ingested. The client and a Director must be informed.	Low
Used hypodermic needles	Site Staff	High	Area's containing used needles must be avoided until cleared. DO NOT TOUCH under any circumstance. Phone the office and consult with a Director.	Low
Working in poor light	Site Staff	Medium	In poor light conditions efforts must be made to be seen. Reflective clothing must be worn. Do not work in traffic,	Low
Weather conditions	Site Staff	Medium	Assessments must be made on site of the weather conditions. Equipment must be made secure in high winds. Sunscreen, should be applied when appropriate, even in overcast conditions. Appropriate clothing worn in wet and cold conditions. Safety boots should be worn in snowy and icy conditions. Consideration must be made concerning the site condition in various circumstances. I.e. debris flying around in high winds.	Low
Floods	Site Staff	High	Surveys should not be attempted in the event of flooding. A director must be consulted.	Low
Water courses	Site Staff	High	Do not enter water courses.	Low
Large drops (eg retaining walls, excavations, cliff edges, plinths etc)	Site Staff	High	The top of large drops must be avoided unless a safety harness is provided. Levels and positions should be measured remotely. Care should be taken at the bottom of such drops for falling debris. In such cases a hard hat should be worn or the area avoided completely.	Low
Overhead cables	Site Staff	Medium	Height poles or levelling staffs must not be used in the vicinity of overhead cables.	Low
Roofs	Site Staff	Medium	Do not venture on to roof area's	Low
Lone Working	Site Staff	Medium	Please make sure that if you are working alone that somebody knows where you are and knows what time to expect to see you. In the event of an emergency or accident this information could be vital. Keep a phone close by and inform the office when you are vacating the site.	Low

Ground Clearance Survey

Lifting and replacing manhole covers	Surveyor and general public	Low	Care should be taken lifting covers as some can be extremely heavy. Lift safely with bent knees and a straight back. A hydraulic lifter may be used. Under no circumstance must manhole covers be lifted using a forklift truck. When a cover is replaced it should sit stable and level with the ground to avoid being a trip hazard.	
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: Method Statement: CONCRETE CORING

Scope of Works: The existing concrete floorslab and hardstanding will be cored using a stand-alone bolt-down diamond coring rig. Coring locations have yet to be finalised and may be subject to change on-site.

Known Hazards: A detailed site specific risk assessment is provided; the principal hazards are:

- Moving and operating equipment
- Underground services
- COVID-19

Personnel: The coring activities will comprise a one or two man crew, (DMW Drilling Ltd). If two personnel are deployed then to minimise the risk of COVID-19 transmission staff are to maintain 2m as far as reasonably practicable. Where the activity requires closer working then the procedures should follow those required by the Client. .

Plant, Equipment and Operation: At the agreed hole location an electrically operated disc corer will be used remove a 150mm diameter section of the floorslab/hardstanding. If mains electric is available on-site it is proposed to utilise this power source, otherwise a petrol powered generator will be used. A hole is drilled into the floor slab/hardstanding using a conventional power drill and an expansion bolt positioned to stabilise the concrete corer. The corer and frame are then positioned over the hole and attached to the securing bolt and the coring process begun. The corer is capable of coring a 300mm thick floor slab with an extension rod increasing the ability to 600mm. Water is used to facilitate the coring process and any excess water will be removed either using a wet-vac or mopped up manually.

Location Assessment: Where necessary, (such as working sites or cropped fields), trial locations and access routes will be agreed with the Client and/or landowner prior to commencing site works.

Staff to check all services against supplied drawings (if available).

A Cable Avoidance Tool (C.A.T.) scan, with a Genny, will be carried out before any excavation. All field staff have received in-house training in CAT and Genny use, and use this equipment regularly.

If there is an uncertainty about underground services then a new position will be chosen.

Where necessary drilling locations should be screened off by road cones, barriers or Heras fencing as appropriate to site conditions.

Excavations and Logging: The concrete core is logged and may retained for laboratory analysis/testing.

Backfilling: All boreholes will be backfilled with arising's and/or a concrete plug.

COSHH: Safety Data Sheets, have been consulted for the following products associated with concrete coring activities:

- Petrol – to fuel petrol engined plant. Storage is in proprietary containers filled at highway pumps and transported to the work location.
- Ordinary Portland Cement (OPC) - to form cement grout to back-fill borehole. Also used during the installation of instruments and the construction of headworks.
- Spray marker paint – used to mark the location of boreholes when required
- Cold Lay Macadam – to repair paths and driveways

PPE: Appropriate protective equipment to be worn by all personnel. This will include hi-viz jackets, hard hats, gloves, safety footwear and ear defenders. Disposable rubber gloves should be worn when handling soils, groundwater and contaminated drilling/sampling equipment. An appropriate fire extinguisher is to be provided by staff and located close to the equipment. If any significant contamination has been identified within the site conceptual model, specific PPE will be worn as appropriate for the type of contamination.

Ref	Activity	Hazard	Who is at Risk	Risk Before			Control Measures	Risk After		
				Probability	Severity	Risk		Probability	Severity	Risk
RA.1.	Concrete coring – staff working in close proximity	COVID-19	Technician Engineer	3	5	15	Staff to maintain 2m social distance as far as reasonably practicable. Where the activity requires working within 2m then Client procedures to be followed. Plant should be decontaminated between use by different operator(s).	2	5	10
RA.2.	Concrete coring	Loud noise	Technician Engineer Bystanders	5	3	15	Bystanders to be kept well away from area of operations. Drillers and Engineer to wear ear defenders.	1	3	3
RA.3.	Concrete coring	Dust	Technician Engineer Bystanders	4	3	12	Bystanders to be kept well away from area of operations. Use a water flush. Drillers and Engineer to wear dust masks and dust cover to be placed over borehole during drilling.	2	3	6
RA.4.	Concrete coring	Electrocution	Technician Engineer	3	5	15	Check equipment for defects.	1	5	5
RA.5.	Concrete coring	Crushed, trapped, entangled body parts and clothing	Technician Engineer	3	5	15	Drillers to be appropriately trained in drilling activities. Gloves to be worn whenever practical. Loose clothing not to be worn.	2	5	10
RA.6.	Concrete coring	Hitting buried services (electricity/ gas)	Technician Engineer Bystanders	3	5	15	Assess service plans prior to starting work. Where possible confirm location of known services. CAT Scan area of excavation. Observe excavation work in progress.	2	5	10

Method Statement

General

This Method Statement describes the procedure to be followed when completing windowless sample boreholes by means of a 'Archway Heavy Duty Dart' Rig or similar.

The purpose of windowless sampling is to gather information on the immediate subsols by recovering disturbed and undisturbed soil samples and completing insitu strength testing for Ground Investigation.

The drilling rig consists of a hydraulically driven drop hammer on a mast with feed generated by an integral diesel power pack. The mast is raised, lowered and adjusted by means of a series of hydraulic rams; the unit is mounted on a steel tracked crawler chasis. All movements are controlled by a series of hydraulic levers mounted at the rear of the unit and are powered by the diesel engine. The rig is transported to site on hi-top 3.5tonne works van or on a plant trailer.

The sampling system uses the drop hammer to drive a series of sample tubes of various diameter vertically into the ground by means of solid 2" drive rods to recover soil samples in plastic sleeves. Temporary steel casing may be used to maintain the stability of the borehole faces around the sample tubes. The sampling equipment is stored both on the rig chassis and the works van.

Standard Penetration Tests (SPT) and undisturbed sampling (U38) will be carried out where required. Groundwater and gas monitoring equipment will be installed to the hole as required.

Liners will be logged by an Engineer from IGL, either onsite or at the IGL logging facility. This Method Statement should be used in conjunction with the relevant Risk Assessment.

Personnel

The lead drill will either be qualified or working towards qualification NVQ Level 2 Land Drilling and will hold a current and valid CSCS card.

Standard Equipment and Materials

System of Work

1. Buried Service Clearance Inspection Pits must be adhered to prior to commencing exploratory boreholes.
2. Before the rig mast is erected the area must be thoroughly inspected to ensure that it is stable enough to take the weight of the machine. The area must also be checked to ensure it is clear of overhead services or obstructions.
3. The mast will be erected by means of the integral hydraulic rams, and will be levelled by use of manually adjustable outrigger legs. Non crew members must maintain a distance of at least 4m whilst the rig is being tracked, erected or taken down by the drill crew. Non crew members may only approach the rig / borehole when they are told it is safe by the lead driller, or the rig is idle.
4. Hands must be kept clear of the top of the casing, core barrels and SPT (Standard Penetration Test) anvil surfaces. A clear system of hand signals will be used between the Lead Driller and Driller to ensure that hands and feet are clear of moving parts before operations commence or resume.
5. The borehole will be advanced by means of drive sampling and instu testing based on the engineer's instructions. Temporary casing may be used to assist in advancing the hole as dictated by ground conditions.
6. Working areas must be kept clear of cuttings and excessive slurry to avoid a risk of slipping, these will be removed to plastic bulk bags or a designated position near the borehole. Hand tools will be kept in a safe location when not in use.
7. Where a deviation from the standard working practice occurs, such as drill tools becoming stuck or rig instability a risk assessment will be completed by the lead driller, which may result in the abandonment of the hole. The Engineer must be informed immediately.
8. On completion the borehole will be backfilled either with arisings or bentonite pellets or installed with a groundwater monitoring standpipe

DMW Drilling Limited		Assessed by:		Approved by:		Hazard Specific - Risk Assessment
		Signed:		Signed:		
Hazard/ Work activity assessed:	Use of tracked/ Modular Windowless Sampling rig					Staff at Risk:
Issued Date:	Review Date:					Others at Risk:
						All Employees Sub Contractors, Site visitors,

CONTROL MEASURES REQUIRED TO REDUCE THE RISK: Work to be undertaken in accordance with the method statement. Where a site is operating a combination of working activities refer to all relevant/additional risk assessments

Seq No	Task	Hazard	Consequence	Risk Rating (Uncontrolled)			Control Measures	Risk Rating Controlled		
				L	S	M		L	S	M
1	Use of Diesel Engines	Spillage of Diesel fuel	Injury / contamination of site.	4	5	20	<p>Purpose made fuel cans with spout/separate funnel to be used. Generators to sit in drip tray; all plant to be filled prior to the start of the shift. Operators to wear gloves. Generator to be sited away from watercourses where possible. Spillage kits to be on hand, and used to mop up leaks. Unit to be maintained. No fuel is permitted to be stored on site.</p> <p>Use trained, accredited driller (BDA/NVO)</p> <p>Good rig condition.</p> <p>Check PPE of crew, helmets, gloves, safety boots</p> <p>Mainlain barriers where public have access</p> <p>Use rig where possible</p> <p>Two men lift where possible</p> <p>Wear safety footwear and gloves</p> <p>Use trained / experienced operatives</p> <p>Crew to use ear defenders or ear plugs</p> <p>Work social hours, keep public away</p>	3	3	9
2	Moving parts (wrench), drop tools	Bodily Injury	Minor to serious injury	3	4	12		2	3	6
3	Manual handling	Lifting heavy tools	Muscle strains, cuts, grazes	3	4	9		3	2	6
4	Rig noise	Engine, drop tool noise	Damage to (crew) hearing, nuisance to public	4	3	12		2	2	4

Windowless Sampling Rams

No	Task	Hazard	Consequences	Likelihood / Incidence			Control Measures	Risk Rating / Consequence				
				1	2	3		1	2	3		
5	Hazardous substances	Exposure to fumes, cement, asphalt for replacement	Skin, eye, breathing damage, undetectable ingestion	3	3	9	Med	Follow COSHH guidelines Use PPE – including dust masks do not expose skin Provide good personal hygiene	2	2	4	Low
6	Electricity (overhead)	Electrocution	Fatality or serious burns	3	5	15	Med	Check overhead location for overhead services prior to erecting rig, maintain safe clearance, work in daylight	1	5	5	Low
7	Presence of contaminants and gases	Working in contaminated ground	Nausea, dizziness, ingestion of contaminated soils or fluids, possible breathing damage or suffocation	4	3	12	Med	Assess published information for previous uses of site Provide appropriate PPE for crew and engineers Practice good personal hygiene No consumption of food on site No smoking on site	2	3	6	Low
8	Buried services	Electrocution/rupture of gas, possibly under pressure	Minor injury to fatality	3	4	12	Med	Check services information Excavate inspection pit by hand Check location with "CAT" Permit to dig Briefing/Training	2	2	4	Low
9	Excavations	Unexploded Ordnance	Injury	2	6	12	Med	Review desktop information available and adopt safe excavation procedures. UOD mitigation measures (including a specialist operative on site) only required if review of UOD desktop report reveals it is necessary. A UOD warning brief will be provided on site. Excavate areas where / spot does not accrete in work area and the is used / swept down as required. Tools to be stored safely to allow clear walking routes around equipment. Cables and hoses to be laid safely and tagged down where necessary, avoiding walking routes.	1	6	6	Low
10	Working around Rig	Slips, Trips and Falls	Injury	3	4	12	Med		2	4	8	Low



Windowless Sampling Rams

[illegible]

The following table provides a review of pricing and shows a guide to dealer fees.

[illegible]

High Priority	<p>High priority are not considered immediate and measures must be in place to reduce the risk to a medium or low level. If the risk cannot be reduced to a medium or low level, then it should be considered as above. The additional controls are not necessary to reduce the risk to a low level.</p>
Medium	<p>When possible, measurable measures must be implemented to reduce risks to a low level. If they cannot be immediately reduced then the decision as to whether the level of risk must be made by the protective layer part of the risk score.</p>
Low	<p>Low risks are generally considered acceptable, although where controls must still be in place to ensure they remain at that level.</p>

That behaviour patterns should be used to determine the response that should be taken to manage the risk is an acceptable trend.

Windowless Sampling Rams

Severity	Likelihood of failure	Likelihood				
		1	2	3	4	5
Single Paddy Window Sampling System	5	5	12	15	24	25
Double Paddy Window Sampling System	6	6	10	18	20	25
Double Paddy Window Sampling System	4	4	8	12	18	20
Double Paddy Window Sampling System	3	3	6	9	12	15
Double Paddy Window Sampling System	2	2	4	6	8	10
Double Paddy Window Sampling System	1	1	2	3	4	5

High	High Risk
Medium	Medium Risk
Low	Low Risk

S = Severity
L = Likelihood
R = Risk

Appendix F Sub-Contractor Certification



ARCHWAY ENGINEERING (UK) LIMITED

AINLEYS INDUSTRIAL ESTATE, ELLAND, WEST YORKSHIRE HX5 9JP

TEL: 01422 373101 FAX: 01422 374947

Email: info@archway-engineering.com

REPORT OF A THOROUGH EXAMINATION OF EQUIPMENT LOLER AND PUWER CERTIFICATE

Name and Address for whom the examination was made: D.M.W Drilling LTD 58 Parkway West houghton Bolton, Lancashire BL5 2RY		Address of the premises at which the examination was made: Archway Engineering (UK) Ltd Ainleys Industrial Estate, Elland, West Yorkshire HX5 9JP	
Report Number: 510 Sales order Ref: 87354 Date of Report: 20.11.2023		Latest date by which the next thorough examination should be 19.11.2024	
Quantity	ID number	Description	Date of test
1	DART282	THOROUGH EXAMINATION OF DART SAMPLING RIG	20.11.2023
Was this equipment:			
Supplied new:	Yes	No X	
Supplied reconditioned:	Yes	No X	
Examined only:	Yes	No X	
Examined and tested:	Yes X	No X	
Examined, repaired and tested	Yes	No X	
Was the examination carried out:			
Before being issued for the first time		Yes	No X
Within an interval of 6 months		Yes	No X
Within an interval of 12 months		Yes X	No
As part of an examination scheme		Yes	No X
After an exceptional circumstance		Yes	No X
Identification of any part found to have a defect which is or could become a danger to persons and a description of the defect. (If no defects found state "NONE") NONE			
Is the above defect a defect which is of immediate danger to persons			
		Yes	No X
If the defect is not an immediate danger to persons state required rectification date:			
Particulars of any repair, renewal or alteration required to remedy the defect identified above:			
IS THE EQUIPMENT SAFE TO OPERATE			
		Yes X	No
Name of person making this report: J.LOCK		Name of person authenticating this report: Signature: 	

This report complies with the requirements of Lifting Operations and Lifting Equipment Regulations 1998
The EC Declaration of conformity is available if the equipment is new and manufactured and supplied by
Archway Engineering (UK) Limited

SPT Hammer Energy Test Report

In accordance with BS EN ISO 22476-3:2005

ARCHWAY ENGINEERING (UK) LTD
AINLEYS INDUSTRIAL ESTATE
ELLAND
WEST YORKSHIRE
HX5 9JP

SPT Hammer Ref: DART282
Test Date: 20/11/2023
Report Date: 20/11/2023
File Name: DART282.spt
Test Operator: JL

Instrumented Rod Data

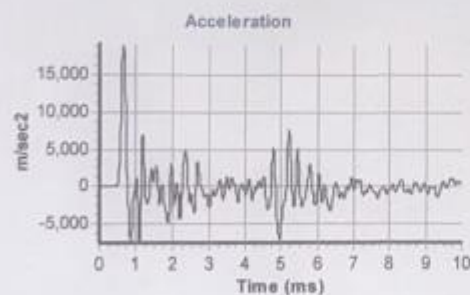
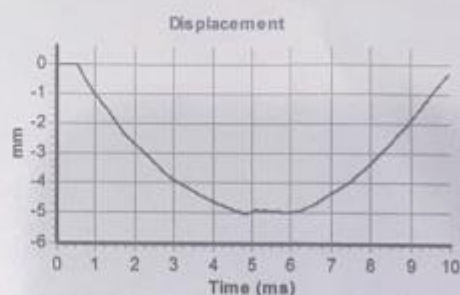
Diameter d_r (mm): 54
Wall Thickness t_r (mm): 6.5
Assumed Modulus E_a (GPa): 208
Accelerometer No.1: 72572
Accelerometer No.2: 72757

SPT Hammer Information

Hammer Mass m (kg): 63.5
Falling Height h (mm): 760
SPT String Length L (m): 10.0

Comments / Location

D.M.W DRILLING LTD - 87354



Calculations

Area of Rod A (mm²): 970
Theoretical Energy E_{theor} (J): 473
Measured Energy E_{meas} (J): 323

Energy Ratio E_r (%): **68**

Signed: J.LOCK
Title: FITTER

The recommended calibration interval is 12 months

CSCS

CONSTRUCTION SKILLS CERTIFICATION SCHEME



KAYLUM STEVEN O'KANE

REG. NO.

4653714

EXPIRES END

Jun 2028



The registered holder of this card holds the
construction qualifications listed on the reverse



Tel:0344 994 4777 www.cscs.uk.com

Reg No: 4653714

Snr Utilities Mapping Surveyor - Level 5 Diploma

This card can be checked electronically using Go Smart www.gosmart.co.uk

Cards issued by CSCS do not confirm the holder's right to work in the UK

BLK.0919