



CONSTRUCT

**CONSTRUCTION
PHASE PLAN**

**1-6 Crescent Mews, N22 7GG
Rev 0 (18.07.23)**



X Construct LTD Safety Management System

Construction Phase Plan

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Note: The latest issue will be retained by the Project Manager. All signatures must be collected on a hard copy of this document and kept in the Site Safety Files. Acceptance sheets issued by the client or principal contractor are to be attached to the hard copy



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1. PROJECT OVERVIEW

1.1 Project Description

Client / Agent Details
Name: HWDW Ltd
Address: Hallswelle House, 1 Hallswelle Road, London, United Kingdom, NW11 0DH
Telephone No:

Project Details	
Name: Crescent Mews	
Address: 1-6 Crescent Mews, N22 7GG	
Description of Project:	
Demolition of the existing buildings, retention of slab level, perimeter wall along northern boundary of site, and wall adjacent to Dagmar Road gardens, and redevelopment of the site to provide two 3 storey blocks fronting Crescent Mews, a 1 storey block adjacent to Dagmar Road and a 4 storey building to the rear comprising 30 residential units (Use Class C3), including 4 disabled car parking spaces, associated landscaping and cycle parking within the development and a new paved and landscaped lane at the front of the development with street lighting. Installation of vehicle and pedestrian access gates at entrance to mews and erection of boundary treatment to the rear of the commercial units.	
Timescale for the Project: (Start Date - October 2023 / Completion Date - June 2025)	
The construction works are anticipated to commence in Q4 2023 for approximately 18 months.	
Construction Phase	Period of Activity
Site Setup and Demolition	Q4 2023 - Q1 2024
Basement Excavation and Piling	Q1 2024 – Q3 2024
Sub-Structure	Q1 2024 – Q3 2024
Super Structure	Q3 2024 – Q4 2024
Cladding	Q4 2024 – Q2 2025
Fit Out, Testing and Commissioning	Q4 2024 – Q2 2025
Site Category:	
Based on the description in Section 2 of Haringey Council’s document, “Sustainable Design & Construction, Supplementary Planning Document (2013)”, this development is categorised as a Major Development.	



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1.2. Objectives and Purpose

To ensure that the Crescent Mews project will meet, as a minimum, the requirements of the Health and Safety at Work Act 1974 and associated legislation.

The particular preliminaries stipulate all Safety Method statements that are to be submitted by the Works Contractor, which will demonstrate how safety is to be managed.

X Construct Ltd places the highest priority to all matters concerning the health and safety of its employees and others that may be affected by its works. It is our intention that we adopt, without reservation, the clients stated objective to make this construction project a safe working environment.

All relevant senior and site management have read and fully endorse the contents of this Construction Phase Plan and require that its procedures are followed.

Any additional requirements, which may arise on the project from time to time and are specified by the company's Health and Safety Manager, will become mandatory.

This Construction Phase Plan will be regularly reviewed as programme and work variance dictates.

The Pre-Construction Health and Safety Plan information must be referred to and considered along with this plan.

Clients Health and Safety Goals and Objectives:

The client rightly expects X Construct Ltd to maintain high standards of health and safety throughout its organisation. These standards, and the relevant statutory requirements of the Health and Safety at Work Act 1974 and The Construction (Design and Management) Regulations 2015 are expected to be achieved and maintained during all phases of the project.

1.3 Responsible Persons

1.3.1 Project Team

The following personnel are responsible for the implementation of this Plan:

NAME	POSITION/ ROLE	KEY
Construction Director	Bob Cummins	CD
Senior Project Manager	Gary Chamberlain	SPM
Project Manager	Dan Fitzgerald	PM
Site Manager	TBC	SM
Health and Safety Manager	Alan Gymer (AGS)	HSM



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1.3.2 Organisation Chart

Refer to Appendix 1.

Emergency Contact Numbers

NAME	POSITION	CONTACT NUMBER
Bob Cummins	Project Director	07961 889109
Gary Chamberlain	Senior Project Manager	07444 481015
Dan Fitzgerald	Project Manager	07956 969569
Ian Webster	Site Manager	07506 762452
Alan Gymer of AGS	Health and Safety Manager	07901 997401

NOTE: This list will be displayed on the site noticeboard.

1.3.3 Project Directory

NOTE: Please include details of all parties involved in the project. i.e.: Client, Principal Contractor, Subcontractors, Engineers Consultants, M&E Consultants, CDM Coordinator, etc...

Role/Package	Contact Name	Company Name and Address	Contact Number
Client	Yonatan Shemma	Wynn Weinzwieg JV UK Ltd, Hallswelle House, 1 Hallswelle Road, London, NW11 0DH	07930480361
Principal Designer	TBC		
Principal Contractor	Bob Cummins (Construction Director)	X Construct LTD, The Epicentre, Haverhill Research Park, Enterprise Way, Haverhill, CB9 7LR (address for receipt of legal documents for the person responsible for the implementation of the CPP)	07961889109
Principal Contractor	Thomas Brown (Managing Director)	X Construct, The Epicentre, Haverhill Research Park, Enterprise Way, Haverhill, CB9 7LR	07930480361



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CDM Advisor	Alan Gymer	AG Safety Services Ltd, 14 Jonas Drive, Wadhurst, East Sussex, TN5 6RJ	07901997401
JDW Architects	Jason Watkins	Suite 2, 5 Gold Tops, Newport NP20 4PG	07788515053

2. Pre-Construction and Design Information

	ACTION BY
See Appendix 15	XCL

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3. Community Liaison and Consultation

	ACTION BY
<u>3.1 Site Category</u> Based on the description in Section 2 of Haringey Council's (HC) document, "Sustainable Design & Construction, Supplementary Planning Document (2013)", this development is categorised as a Major Development.	
<u>3.2. Community Liaison</u> <u>3.2.1. Sensitive/affected Receptors</u> The scope of community liaison is defined, based on the Major Development category. This section outlines the contractor's approach to environmental management throughout the construction phases with the primary aim of reducing any adverse impacts from construction on local sensitive receptors. The nearest potential sensitive receptors of the proposed development area have been identified below. The area around the site is predominantly residential with some commercial units. The nearest noise sensitive receivers are residential and to the south west of the property, approximately 8 m from the site. • The site location is bounded to the east by a railway line • To the north, west and east of the site are predominantly residential properties • These properties are bounded by Dagmar Road to the north west • The west and south by Crescent Road and Palace Gates Road	SPM
<u>3.3. Consultation with Neighbours</u> We have undertaken thorough consultation with the local community and stakeholders including a public exhibition on the 5th July 2018 with attendees invited to give their feedback. A total of 3500 leaflets were hand-delivered to local residents and businesses in the local area 12 days before the exhibition. A pre-application sub-committee was attended on 9 July 2018. A Development Management Forum was hosted in October by LB of Haringey to give residents a further opportunity to comment on the proposals. At this stage the scheme had already changed to take on board comments. The following comments below were received during the application's statutory consultation period. As a result of feedback received, we've made a number of changes to our proposals. These are detailed in the table below. As required by the LBH SPD, a meaningful consultation with the following stakeholders has been undertaken by Collective Planning in September 2019	SPM

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	ACTION BY
(Appendix 2) on behalf of the Client: The purpose of which was to give LBH residents a further opportunity to comment on the proposals: ▪ Neighbouring residents ▪ Businesses ▪ Schools, health centres and other building uses sensitive to noise, vibration and pollutants ▪ Neighbourhood Planning groups and or residents' associations ▪ Other organisations affected by demolition, construction or reorganisation of the public realm for works, such as religious groups with specific holy days, local cycling, elderly, disability and special interest groups ▪ Ward Councillors ▪ Project Consultants If required, prior to works commencing X Construct will engage and consult with stakeholders on submissions relative to the CPP information, providing: ▪ A clear statement that the consultation is about the CPP ▪ A summary of the key details of the construction process ▪ A copy of the CPP, or a link to a website where it can be viewed/downloaded ▪ The deadline date for submission of comments (21 days from issue) ▪ Contact details for questions and submission of comments The information provided would include: ▪ Project timeframe (start and end dates) ▪ The nature of the project ▪ The hours of work ▪ Principal stages of the project (demolition, ground works, construction) ▪ All operations that have potential to disturb (noise/vibration), including their start/end dates ▪ Noise mitigation approaches adopted ▪ Complaint's procedure and planned frequency of communications ▪ Key contacts (names/numbers) for site and project personnel: developer, project manager, site manager/ foreman, community liaison manager During works X Construct would: ▪ Provide information and contact details for X Construct on the notice board. ▪ Further consult with neighbours and during the works. ▪ Provide 14 days' notice (where possible) for neighbours of noisy (high impact) works and disruptions to highways, footways and resident parking. ▪ Respond to complaints within 3 working days providing details of corrective actions taken to address them. ▪ If required by LBH, regularly update neighbours with relevant amendments made to CPP at start of each new phase and/or monthly. ▪ Advise public of any emergency works as soon as practicable	SPM/HSM
	PM/SM
	PM/SM



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	ACTION BY
▪ Give advance notice of works, dependent on the size and scope of the works this should be at least two weeks prior to commencement. During any phased completion and early occupation, X Construct will: ▪ Frequently coordinate with early occupiers on critical changes to access arrangements and emergency fire and evacuation plans. ▪ Publish access plans and make available to all residents in an accessible format. ▪ Notify all relevant parties of completion stages and timeframes plus their likely impact on early occupiers	

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3.4. <u>Consultation with LBH:</u> The SPD calls for consultation with LBH and we can report that LBH were included as part of the 2018/2019 consultation by Collective Planning. The following matters were consulted: ▪ Consultation with LBH about site environment and sensitive receptors ▪ Consultation with LBH on planning of the site layout and work programme ▪ Provide a plan for site safety, health & safety, emergency procedures ▪ Check which permits will be needed Evidence to support these actions can be located in Appendix 2. It details the following: ▪ Whom was consulted: ▪ A summary of comments received ▪ A list of any amendments to the CPP in response to comments received ▪ Wherever operational amendments were not possible in response to comments, an explanation of the reason for this	SPM
3.5. <u>Utility Coordination</u> X Construct will liaise with LBH's Utility Coordinators at the earliest opportunity should coordination be required for multiple utilities or any adjacent sites. This will help to avoid repeat street works where possible and provide information to help plan for growth and provide timely upgrades, diversions and connections.	SPM/PM
3.6. <u>Community Working Group</u> Based on the description in Table 1 of the LBH SPD, this development is categorised as a major development however not a particularly sensitive/contentious site, nor is it located in an area where there are high levels of construction activity. Therefore, we do not consider a Community Working Group as necessary.	SPM/PM
3.7. <u>Neighbouring Sites</u> Please see Appendix 3 of this document which provides a plan of existing and/or anticipated construction sites in the local area. In summary it shows there are no other sites in close proximity of this scheme.	PM/SM
3.8. <u>Considerate Constructors Scheme</u> The project will be registered with the "Considerate Constructors Scheme".	PM/CM



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4. Construction Phase / Site Operations

	ACTION BY
4.1. <u>Subcontractors Assessment</u> All Sub-contractors will follow the X Construct pre-qualification process and be approved by a competent senior manager within X Construct.	PD/PM/HSM
4.2. <u>Initial Pre-order / Pre-start Meeting</u> Each sub-contractor will be required to attend an initial pre-contract assessment meeting. This meeting is to discuss any site-specific arrangements contained within this plan, site set-up arrangements and to discuss any issues the construction or management team have regarding the project. During this meeting the subcontractor will have to confirm the Fitness to Work status of their employees or people working on their behalf.	SPM/PM
4.3. <u>Communication of Design Information</u> I regard of communicating changes to design information: ▪ X Construct will attend any design meetings relevant to the works. ▪ X Construct will inform the Client's Project Manager of any design issues that become apparent whilst the works are in progress on site. This will either be verbal or written. ▪ X Construct will issue any amendments to the H&S Plan and all safety reports to the Client's Project Manager. Any changes in design which will have significant implications with regards to health and safety will be exchanged via pre-arranged meetings with all interested parties attending. Should for example the PD or others not be available; the Contracts Manager from X Construct will ensure that information is communicated promptly to him/her in order for the implications to be reviewed and any changes to be made. Significant risks will be forwarded to the site team and operatives to ensure that the appropriate control measures and any necessary risk assessments and working methods are implemented. Changes in design are assessed on their own merits and the health and safety implications communicated to the client. The site manager will keep a record of designs on site, out of date designs to be withdrawn and disposed of.	SPM/PM



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	ACTION BY
4.4. <u>Construction Phase Plan Amendments</u> The Construction Phase Plan will be reviewed every three months as a minimum requirement. Any changes or reviews to this plan will be recorded on the contents page and communicated to the wider team and stakeholders.	SPM/PM
4.5. <u>Commissioning/H&S File Information</u> At completion, a record set of plans, calculations and associated documents for the contract works only, (O&M Manuals) will be provided to be included in the Health & Safety File. At practical completion, the following information relating to the contract works only, will be made available for introduction into the Client's Health and Safety File: ▪ Cleaning and maintenance programme for all interior and exterior finishes including manufacturer's literature as specified. ▪ Schedule of all electrical components/light fittings used together with lamping index including manufacturer's brochure. ▪ As built builders work plans. ▪ The Health & Safety file will be presented in the format laid out in the Pre-Construction Information and/or the contract documents.	PM/SM/DC
4.6. <u>Contract Hazards / Risk Assessments / Method Statements</u>	
4.6.1. <u>Contract Hazards</u> Prior to operations commencing X Construct will undertake a full R&D Asbestos Survey with no works to commence until the results of the survey have been assessed and the works deemed safe to proceed. Each sub-contractor is required to submit to site management documentation of any known hazards, risk assessments and method statements. This documentation will be reviewed regularly throughout the works. Any pre-construction information (as outlined in Section 2) must be referred to and considered along with this Plan.	PM/CM/SM
4.6.2. <u>Risk Assessments</u> The PM will identify, the hazards/ risks associated to the site activities using X Construct's Risk Assessment Template. Suitable and sufficient risk assessments and method statements will be produced to minimise the H&S risk to operatives and members of the public during the site operations.	PM/CM/SM



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	ACTION BY
4.6.3. <u>Method Statements</u> Subcontractors' method statements will be reviewed by the site management to ensure that risks and safe method of works proposed are suitable to the activities defined in the project. The method statements and associated risk assessments currently produced for this project have been stored both electronically on the company's doc hosting system and as a hard copy in the correct site folder.	PM/CM/SM
4.7. <u>Induction Training</u> Prior to any person commencing work they will attend a site induction arranged by the PM/SM. Those attending the induction must sign the X Construct Induction sheet as proof of attendance. Inductions are presented in English so anyone requiring an interpreter will need to make these arrangements themselves, we do not provide this service. It is also fundamental that all operatives and visitors have a basic understanding of the English language sufficient to enable them to understand the safety and emergency signage/procedures and what to do in the event of an emergency. The induction training will include as a minimum the site rules, fire evacuation procedures, welfare facilities, working hours, H&S on site, traffic management on site and introduction to the company's project team. Additional site safe operating procedures having been implemented in order to combat the threat of Covid-19. Visitors who are not fully inducted will receive a visitor's induction and will be escorted at all times whilst on site.	SM
4.8. <u>Toolbox Talks</u> Toolbox Talks will be delivered regularly, a minimum of one per week (per permanent operative) covering either safe method of works, best practices, H&S or the Environment. A minimum of one Occupational Health Toolbox Talk per month will be provided to the workforce on site. The Toolbox Talk Register will include details of the toolbox talks' subjects delivered during the project. Attendee's names and signatures are recorded on attendance sheet and submitted to site management.	ASM/SM



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	ACTION BY
4.9. <u>Statutory Notifications and Applicable Legislation</u> All relevant notifications to the H.S.E. Local Authorities, Police, and Fire Services will be undertaken by the Client or sub-contractor and copies of these provided to site management (unless otherwise specified). X Construct will issue a Demolition Notice to LBH Building Control as required, prior to any demolition works commencing. Copies of the notice will also be issued to the following: ▪ The owners of any building adjacent to the building to be demolished ▪ Gas Authority ▪ Electricity Authority ▪ Water Authority ▪ Fire Authority ▪ Health and Safety Executive Regarding the F10 notification, this will be issued by either: ▪ The client, then they must notify HSE ▪ X Construct as principal contractor ▪ The principal designer where there is a written agreement that they will carry out the client's duties	PD/HSM
4.10. <u>H&S Meetings/ Visits</u> A Monthly Safety Review / Senior Leadership Team Meeting will be held on site. Management teams from X Construct and their sub-contractors will attend the meeting. Meeting minutes will be distributed to the relevant people. 4.10.1. <u>Monitoring and review of H&S performance</u> During the life of this contract, X Construct will arrange to have weekly site safety inspections carried out by the site manager. A minimum of once a month, our Health and Safety Manager (HSM) will attend site and inspect all areas and audit process and procedures that are in place to manage health and safety. Our HSM will discuss any issues arising from the inspections with site staff and ensure that any necessary remedial action is taken to guarantee compliance with legal responsibilities. Our HSM will leave a copy of their safety report on site and will ensure that any deficiencies are communicated to the construction and contracts managers via the Site Team. This report will also be available at the monthly client meeting. There will be regular performance reviews held on site i.e., every month (the dates of which will be arranged at a later stage) which will be attended by the HSM where, amongst other items; health and safety performance will be discussed.	HSM/SPM/CM /SM

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	ACTION BY
Forward planning will feature highly. During design meeting reviews on site the consultant should attend in order to communicate any changes in design to the PD and the implications that this may have for health and safety during the build program. Weekly Sub-contractor meetings will be held on site, where; when the necessary sub-contractor's performance will be specifically reviewed. 4.10.2. <u>Regular liaison between parties on site</u> This will be undertaken via tool box talks and weekly project / design review meetings. The PD and designers will be encouraged to visit site. 4.10.3. <u>Consultation with the work force</u> Upon induction to site the work force will be informed that regular meetings will be arranged for key representatives of all sub-contractors to discuss issues or concerns regarding health and safety. Feedback will be requested from all workers.	PM/SM PM/SM
4.11. <u>Specific Job-Related Training</u> The following training will be provided to X Construct operatives where necessary: ▪ CSCS Card ▪ General Operative Safety Awareness ▪ Fire Awareness ▪ Mobile Tower ▪ First Aid The Project Manager, with the assistance of the HSM, will identify the training needs for each operative and member of staff to maintain their competence. <i>NB. This is not a definitive list. Documented evidence is retained on site and recorded on the specific contractors' record.</i>	CM/SM/HSM
4.12. <u>Manual Handling</u> Where the risk of manual handling has been highlighted, a full manual handling assessment will be completed.	CM/SM/HSM



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	ACTION BY
This risk assessment will be reviewed with those involved in the task as part of their method statement briefing. X Construct will aim to use mechanical means where possible.	
4.13. <u>Permit to Work</u> The purpose of a permit to work system is to ensure that hazardous elements of an operation have been considered and relevant actions taken to ensure that the hazards and risks associated are reduced as far as reasonably practicable. Following the risk assessments carried out for this project, the below permits to work will be implemented on this site. These include but are not limited to: ▪ Hot Works ▪ Use of Step Ladders ▪ Live Services ▪ Demolition ▪ Permit to Dig ▪ Permit to Load ▪ Safe Access Permits will be valid only on the date of issue and will not be valid unless signed by: ▪ Site Manager/Supervisor ▪ The operative/contractor who is to carry out the works.	SM/HSM
4.14. <u>Control of Scaffolding/Mobile Towers</u> Mobile towers will only be erected and used by competent trained personnel and will be inspected prior to use with a scaffold tag applied. Any further inspection will be recorded on the scaffold tag. Tube and fitting scaffold will be erected by trained and certified scaffolders only. Completion / handover sheets will be obtained from contractor. Scaffolds will be inspected as follows: ▪ Prior to first time of use, ▪ At intervals not exceeding 7 days ▪ After any alteration/damage, ▪ After extreme weather conditions. These inspections (F91) will be recorded and retained in the safety file on site.	SM



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	ACTION BY
All Temporary Works will follow the X Construct Temporary Works procedure which follows the guidance and minimum standards under the BS 5975. <u>Stability of structures whilst carrying out construction work, including temporary structures and existing unstable structures.</u> X Construct will act as the Temporary Works Co-ordinator and when required will work in close conjunction with a competent person regarding the design and need for temporary works. Temporary structures such as propping for construction purposes will be erected as detailed by the TW designer, where required. <u>4.14.1. Preventing Falls.</u> Due regard will have been given to the prevention of falls throughout the construction phase; All open edges will be guarded. For internal works at high level (as described in the "Work at Height Regulations") podium; and/or tower scaffolding structures are the preferred methods of gaining access to these areas. Only in exceptional circumstances will step ladders be utilized and only after the site manager has conducted a suitable and sufficient risk assessment regarding the work to be undertaken. <u>4.14.2. Work with or near fragile materials.</u> Certain elements of the structure may be fragile. Prior to work commencing on or near any fragile materials (roof coverings, roof lights, glass partitions, barriers etc) advice will be sought from a competent and suitably qualified person to ensure that a safe method of working is established to prevent harm coming to operatives, visitors etc.	SM SM

Construction Phase Plan

	ACTION BY
4.15. <u>Plant Operation</u> All plant brought on to site will be inspected prior to use. Evidence of last test and all statutory test certification will be submitted by the sub-contractor before commencement. - Plant is recorded on the Plant Register and will need to be regularly reviewed and updated. - Maintenance and changing of abrasive wheels will be done by a competent person. - All lifting equipment will be inspected in accordance with LOLER regulations 1998 and inspections recorded on LOLER Register. - Mechanical Plant operation is to be only by a nominated competent person – (CITB or similar recognised approved body). - Mechanical plant or equipment will be inspected in accordance with LOLER/PUWER regulations 1998. Inspections will be recorded on the suitable mechanical plant inspection form as identified in the company Plant Equipment Maintenance procedure. These plant items include but are not limited to: - Articulated and Telescopic Boom Lifts - General Plant - Mobile Cranes - Mobile Concrete Pumps - Scissor Lifts - Static Concrete Pumps - Tower Cranes - Mast Climbers - Mobile Elevated Working Platform Sub-contractors are responsible for ensuring that their own equipment is tested, inspected and maintained in accordance with LOLER/PUWER 1998. Copies of all documentation will be provided to site management and X Construct Ltd Project Team will monitor this, as part of the Monthly Monitoring Programme. Statutory inspections and completion of relevant registers must be by a nominated competent person. All plant and vehicle manoeuvring and / or reversing will be assisted by a signaller or banksman and stored in the designated storage areas.	CM/AP/SM



Construction Phase Plan

	ACTION BY
4.16. <u>Temporary Electrics/Portable Electrical Equipment</u> As a general rule X Construct will only allow 110V electrical supply on the Project. This will be supplied via a 110V step down transformer from the existing 240V supplies. Where higher voltages are required, a specific risk assessment and permit system will be put in place. All portable tools used on the project will be tested for electrical integrity and tagged. Evidence of tests will be available on site and the Plant Register updated. Electrical leads and spider boxes will be inspected weekly – minimum. All portable tools will be visually inspected prior to use. No unauthorised repairs will be permitted. Any defective equipment will be immediately withdrawn from service.	SM
4.17. <u>Existing Services</u> All information relevant to existing services will be obtained through the Site Management for all work processes which may involve work on, near or around existing services. The following will apply: ▪ Existing services will be marked up on a site drawing available from the site office at all time. ▪ Any services that have been rendered safe can be obtained from the Demolition Health and Safety File, these services will be marked on the above drawing. ▪ Express permission will be obtained from Site Management. The Site Manager will ensure that all site personnel are aware that ALL POWER IS TO BE TREATED AS 'LIVE'. ▪ Toolbox Talks will be given and documented evidence to be retained in the Safety Files. It is X Construct's policy to ensure that the local service providers are contacted prior to excavation works to ascertain the exact location of any services. Where necessary; CAT and GENY surveys will be carried out and services marked up on a drawing obtained from the relevant provider. No attempt will be made to dig in those areas without a permit to dig and the relevant information having been provided to the contractors concerned. Careful hand digging will be carried out first to expose the services. A written plan detailing isolation of site electricity and provision of 110V builder's supply will be produced and discussed in the site induction incorporating the following practices: ▪ HSG47 Avoiding danger from Underground Services. ▪ HSG85 Electricity at work – Safe Working Practises	SM

Construction Phase Plan

	ACTION BY
4.18. <u>Emergency Procedures/Fire Precautions</u> All works contractors will be fully acquainted with the site emergency procedures and will ensure their personnel comply with them in the event of an emergency. A copy of the emergency procedure (Appendix 4) and plans can be obtained from the Site Manager. Plans will also be displayed in suitable locations on site and on the site noticeboard. A plan of site's fire escape routes and details of the local hospital will be displayed along with any statutory notices on the site noticeboard. This information will also be conveyed to all operatives during the site induction.	SM
4.19. <u>Warning Card System</u> A warning card system will be running on this project. Red/Yellow/Green cards will be issued by X Construct Supervisors. Details of the system are also referred to in the site induction.	PM/SM/HSM
4.20. <u>Personal Protective Equipment</u> Both X Construct and the sub-contractor will ensure that all of their employees are issued with and wear appropriate protective clothing at all times. Both X Construct and the sub-contractor will take appropriate and immediate action if an employee does not use appropriate protective clothing. The minimum PPE requirements are as follows: During this period of Covid-19 operatives and visitors may be required to provide their own protective mask or face covering in addition to any other task related protective measures. The specific details and requirements can be found within the project risk assessment. ▪ Hard Hats: Must comply with EN397 standard. Colour: <u>Please amend as appropriate</u> Black for all supervisors White for General operatives. Orange for Crane/ Lifting Operations. Green for Labourers. Blue for Visitors.	SM



X Construct LTD Safety Management System

Construction Phase Plan

	ACTION BY
▪ Hi Visibility Vests / Jacket: Must comply with EN471 standard. Have your company logo or name on it and keep it clean Must not be cut down. ▪ Safety Eyewear: Task specific, Must comply with EN166 standard. Be optical clarity 1. Glasses must be Impact Strength F. Goggles must be Impact Strength B. ▪ Gloves: Task Specific, EN standard must reflect the type of hazard i.e., Mechanical or Chemical. Protection rating must be dependant of hazards. Fingerless gloves require a risk assessment. ▪ Safety Footwear: Must comply with EN345 standard. Safety boots with ankle supports. No safety shoes or trainers. Must have protective toecaps. Must have protective midsoles. Are not to have the toecap exposed. Additional PPE to be worn as specified in the safe system of work	

Construction Phase Plan

5. Site Logistics / Highways and Transport

	ACTION BY
5.1. <u>Transport Management Plan/Construction Logistics Plan (TMP/CLP)</u> As required by LBH's SPD and as part of the Construction Phase Plan, X Construct have submitted a Transport Management Plan/Construction Logistics Plan (TMP/CLP) (Appendix 5) This includes: ▪ Details of FORS (Silver) and CLOCS status and related reporting, implementation and monitoring mechanisms (compliance performance data to be made available if requested) ▪ A plan of the site showing the location of loading points and/or temporary crossovers used by vehicles accessing the site including carriageway and footway dimensions and existing street furniture/trees ▪ Details of any occupation/ temporary closure of the road or footpath ▪ Swept path designs for the largest delivery vehicles ▪ Confirmation of the different sizes and numbers of delivery vehicles and duration of stay planned throughout the project ▪ Any exceptional loads planned, including plant delivery ▪ A histogram of the proposed deliveries including type and size of vehicle. ▪ Any proposed tower crane positions including any over-sailing details ▪ Detailed plans of proposed and available vehicle routes to and from site ▪ Concrete operations, highlight the maximum pour size with vehicle numbers per pour ▪ Pedestrian and cycle diversions together with a plan showing signage layout ▪ Any parking bay suspensions ▪ Details of booking systems used to ensure 'just in time' deliveries, to include the use of consolidation centres ▪ Other impacts on the Public Highway not mentioned above, including any driver safety training undertaken to meet or exceed expected standards.	SPM/CM/SM /HSM

Construction Phase Plan

	ACTION BY
5.2. <u>Highways Regulations</u> Any temporary interference on the Public Highway will be in accordance with the following legislation and guidance: ▪ Highways Act 1980 ▪ New Roads & Street Works Act 1991 ▪ Traffic Management Act 2004 (legislation.gov.uk) ▪ Safety at Street Works Code of Practice 2013 ▪ Traffic Signs and General Directions 2016 (Traffic Signs Manual, Chapter 8) ▪ Construction Logistics and Community Safety Standard (CLOCS) ▪ Freight Operators Recognition Scheme (FORS)	SPM/CM/SM /HSM
5.3. <u>Air Quality Considerations</u> X Construct will where possible endeavour to consolidate waste and delivery related vehicle movements, avoiding duplicate journeys and single load trip inefficiencies. We will where practicable: ▪ Investigate the potential for the removal of spoil and transport of materials by waterways. ▪ Ensure road-based construction, demolition and excavation waste (CDE) journeys should use zero (tailpipe) emissions vehicles. Where this is not yet possible, low emission vehicles complying with local air quality regulation will be used. ▪ Keep sustainable transport options under review throughout the project.	SPM/CM/SM /HSM
5.4. <u>Temporary Highway Closures and Diversions</u> 5.4.1. <u>Impacts on the Highway</u> Prior to commencement of construction, X Construct will provide full justification in writing, for proposed uses of the Public Highway to facilitate works involving interference with a carriageway or footway, in any part of the borough. All options to minimise impacts on the public highway will be considered as below: ▪ Any temporary footways and carriageways will be constructed to the reasonable requirements of LBH, with uniform surfaces. There will be no steps and gradients should be no greater than 1 in 20. If unavoidable, alternative routes for vulnerable footway users must be identified and adequately signed. ▪ Ramps (1 in 20 gradient) are required at junctions of footways and carriageways. The base of the ramp will be flush with the carriageway.	SPM/CM/SM /HSM

Construction Phase Plan

	ACTION BY
- Temporary ramps will be surfaced with non-slip materials to the satisfaction of LBH - So far as is reasonably practicable all footways and carriageways will be kept clear of mud and loose materials from works - Existing pavement widths around sites will be maintained; except where they exceed 2000 mm. In such a reduction in clearance between street furniture, obstructions and temporary measures to a minimum width of 1300 mm will be discussed with LBH. - Care will be taken to avoid misdirection of vulnerable footways users and the visually impaired. - Adequate signage with advance warning of alternative wheelchair and pram accessible routes will be provided - Any openings or obstructions on the carriageway and footway will be barricaded with a continuous rail (and lit at night). Rails will be strong enough to resist pedestrians walking into them and will have tapping rails to aid visually impaired users. - All pedestrian routes diverted onto the carriageway will be defined by continuous barriers - Clear signage will be provided for any diversion of cycle routes around the site - Headroom clearance over footways will be a minimum of 2300 mm, with 2500 mm to the soffit provided wherever possible 5.4.2. <u>Temporary Road Signs</u> X Construct will apply to the council for approval for all temporary road signs on the public highway that indicate routes to the site and diversions, in accordance with the New Roads and Street Works Act 1991. Any signage on the highway will be in accordance with the Traffic Signs Regulations & General Directions 2002 and with BS873 on Road Traffic Signs and Bollards. The precise location of each sign shall be determined by the X Construct to the satisfaction of LBH 5.5. <u>Temporary Traffic Regulation Orders</u> Any Temporary Traffic Regulation Orders will be applied for at least 9 weeks in advance. 5.6. <u>Utility Connections and Disconnections</u> At this stage design is ongoing therefore disconnection/connection details cannot be confirmed. However, it is understood that the scheme will seek to acquire a new water connection, new electrical intake and drainage connection. Any requirement for utility connections and or disconnections will be coordinated to minimise the disruption to the area. If new utility services are required, X	SPM/CM/SM /HSM SPM/CM/SM /HSM SPM/CM/SM /HSM

Construction Phase Plan

	ACTION BY
Construct will explore options for the utility companies to share the same excavations, work area and/or TTRO.	PM/CM/SM
5.7. <u>Maintenance and Repair of the Highway</u> X Construct will: ▪ comply with all relevant legislation affecting vehicle licensing and operation. ▪ be responsible for any damage caused by their activities to roads, kerbs or footpaths in the vicinity of the work site and will carry out such temporary or permanent reinstatement as may be required, of such roads, kerbs or footpaths and in a manner approved by LBH to the council's specification and reasonable satisfaction. ▪ Ensure permanent work shall be carried out by the Highways Authority under a Section 278 agreement. X Construct will allow a minimum of six months to agree the scope of the work and complete an agreement.	PM/CM/SM
5.8. <u>Completion of Works</u> On completion of works, X Construct will clear and remove from the highway all plant, surplus materials, rubbish and temporary works of every kind. The site will be left clean and in a condition to the satisfaction of LBH. Prior to being brought back into use, the highway will be free of any potentially hazardous defects. Any damage as a consequence of construction will be discussed and agreed at a joint site visit with LBH officers.	PM/CM
5.9. <u>Street Furniture</u> No street furniture (electrical or non-or non-electrical) will be removed or relocated by X Construct or any Sub-Contractor. This work will be carried out on a recharge basis by LBH or its appointed Contractor with 8 weeks' notice provided for any electrical works required.	CM/SM
5.10. <u>Mud on Roads</u> X Construct will ensure that strict suitable approved measures are taken to keep the highway clean and minimise mud on roads. Measures will include, but will not necessarily be limited to: ▪ The provision of easily cleaned hard standings for vehicles entering, parking and leaving the site ▪ The provision of wheel-washing facilities including, where practicable, mechanical wheel spinners	



Construction Phase Plan

	ACTION BY
▪ The use of an approved mechanical road sweeper to clean the site or hardstanding of any mud or debris deposited by site vehicles on roads or footpaths near the site. ▪ The road sweeper is to be readily available whenever the need for cleaning arises and will be properly used and maintained ▪ The adequate sheeting of every lorry load of spoil to prevent spoil escape during the journey ▪ Measures to ensure mud and detritus is not swept into gullies 5.11. <u>Fly Tipping</u> X Construct will provide adequate site security to police it's policy that no fly tipping will be permitted on site. Loads will only be deposited at authorised landfill sites or onto designated barges, as per the Duty of Care provisions of the Environmental Protection Act 1990 and any other relevant legislation, policy or guidance. Duty of Care Documentation including a ticket system will be employed and documentation kept and provided to LBH upon request. 5.12. <u>Designated Traffic Routes</u> In compliance with CLOCs, X Construct will: ▪ Not permit lorries to be stacked, held, or parked on highways. Any barriers will be retracted when not in use. ▪ Employ an agreed route (with LBH and TfL if required) for Heavy Goods Vehicles (HGVs) travelling to and from each work site. Any abnormal loads requiring separate permission will be agreed with the relevant highway authority and the police. ▪ Ensure vehicles arrive at or leave the site during normal working hours ▪ Comply with the London Lorry Control Scheme (LLCS). ▪ Ensure all vehicles and drivers servicing the site comply with the conditions in the CLOCS Standard and FORS Silver Standard as a minimum and adhere to London-wide emissions requirements such as the London Low Emission Zone and London Ultra Low Emission Zone (ULEZ). ▪ Routes will be risk assessed and avoid, where possible, any major cycle routes and trip generators (such as schools, offices, stations, markets and places of worship on operational days). ▪ Restrict delivery times where development sites are close to these building uses. ▪ There will be a method of checking operational, vehicle and driver compliance, to be completed by the Site Manager. ▪ Ensure the route(s) to and from site is suitable for the size of vehicles to be used and consideration is given to weight restrictions, low bridges and cumulative impacts of construction traffic on the Public Highway network	CM/SM PM/CM

Construction Phase Plan

	ACTION BY
▪ Include the access and egress routes between the site and the Transport for London Road Network (TLRN) in the TMP/CMP and ensure contractors and delivery companies are aware of the routes and of any on-site restrictions prior to undertaking journeys. ▪ Include in the TMP/CLP a scaled plan detailing the local highway network layout around the site. This will include details of on-street parking bay locations, cycle lanes, footway extents, relevant street furniture, and proposed site access locations. ▪ Ensure where possible, all vehicles enter and leave the site in a forward direction and where this is not possible trained banksmen will provide necessary assistance.	CM/SM
5.13. <u>Marking of Lorries – Site Identification</u> X Construct will if required provide for LBH's approval lorry stickers uniquely identifying the worksite. These will be sufficiently large to be easily read from a distance of 20 metres and vehicles servicing the site will position these prominently.	PM/CM
5.14. <u>Deliveries and Logistics Planning</u> A detailed table containing information on the expected numbers and types of vehicles required to service the site has been provided in the TMP/CLP. The number of lorry movements, hours of operation and any lorry holding areas will be agreed in advance through the CMP and TMP. X Construct will ensure to comply with these agreed numbers.	PM/CM
5.15. <u>Neighbouring site coordination</u> X Construct will consider the cumulative impacts of construction traffic servicing neighbouring sites and where practicable will co-ordinate with other local developments or sites en-route and ensure its vehicles do not park, queue or circulate on the highway.	CM/SM
5.16. <u>Deliveries</u> A booking system will be employed to ensure 'just in time' deliveries. All deliveries will be booked at least 24 hours in advance. Deliveries which have not been booked will not be accepted. Whilst deliveries will be given set times to arrive, dwell and depart, undue time pressures will not be placed upon drivers. The booking system will be a 'real time' GPS enabled system, and its efficiency monitored regularly with the system being adjusted to mitigate against any problems, should they arise.	PM/CM

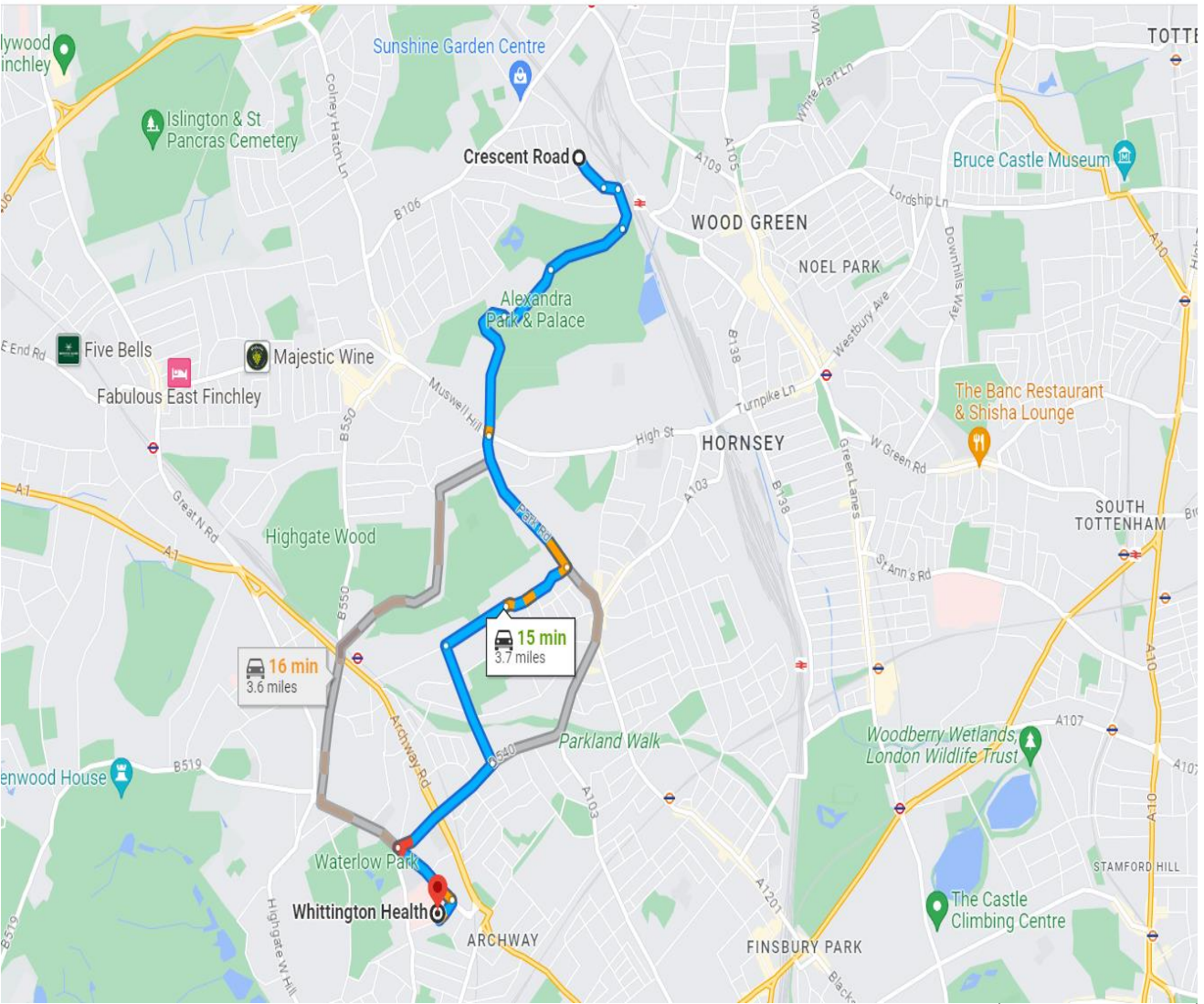
Construction Phase Plan

	ACTION BY
5.17. <u>Consolidation Centres</u> X Construct will consider measures which consolidate site vehicle movements, to reduce vehicle trips associated with the works, thereby reducing emissions and congestion impacts.	SPM/PM
5.18. <u>Material Storage on the Highway</u> The use of the highway for storage, site accommodation/huts or welfare facilities will be at LBH's discretion and will generally not be permitted. If such a use is required, X Construct will supply robust justification setting out why it is impossible to allocate space on site or rented nearby.	PM/CM
5.19. <u>Concrete Pours</u> Pours across the highway will be avoided. Where unavoidable, written details of concrete operations will be provided as early as possible. This will include the maximum pour size and vehicle numbers per pour including measures preventing concrete spoil deposits on the highway, and information on post-operation clean-up.	CM/SM
5.20. <u>Traffic Marshalls</u> Vehicles entering and leaving site will be carefully managed, using clearly marked gates and free from obstacles. Traffic marshals will ensure the safe passage of all traffic on the highway when vehicles are entering and leaving site. Any gates will open inwards towards the site only and be fully closed when not in use.	SPM/PM
5.21. <u>Swept Path Analysis</u> A swept path analyses for constrained manoeuvres along the proposed route will be included in the TMP/CLP (Appendix 5)	SPM/PM
5.22. <u>Site Access and Layout</u> The site, illustrated below, is located at 1-6 Crescent Mews, N22 7GG. It is currently a commercial cul-de-sac to the rear of Crescent Road, some 450m to the northwest of Alexandra Palace railway station. The site is roughly triangular in shape and bound to the north by the railway line. To the south the site is bound by residential and small commercial units fronting Crescent Road and Palace Gates Road, and to the west by residential units fronting Dagmar Road. The initial site layout plan can be found in the TMP/CLP (Appendix 5). This has taken into consideration the mobilisation activities for the demolition works, plant movements, positioning of site facilities and people to ensure the safety of pedestrians and that the works are carried out efficiently and safely. Site access	

Construction Phase Plan

	ACTION BY
has been located to ensure the minimum of disturbance to nearby noise sensitive receptors from vehicles entering or leaving. This will be reviewed and updated on a weekly basis as works progress. If the site is on or adjacent to the TLRN, or conflicts with a bus lane or stop, X Construct will provide details of preliminary discussions with Transport for London in their transport management submissions. All access from the site onto the highway will be of sufficient width to accommodate two-way traffic wherever practicable. Reversing out onto the public highway will be considered as a last resort only and approval sought from the highway authority. Any approved reversing movements will be accompanied by a trained banksman, and protection for pedestrians, cyclists and other road users as detailed in the TMP/CLP. Access and egress routes will be maintained and kept clear at all times. The routes will be detailed on the site fire and emergency plan and displayed on the site noticeboard and strategically throughout the site. Fire drills will be undertaken to test the effectiveness of the routes and means of escape. Where required, access and egress to the site will have separate routes for pedestrians and vehicles as detailed in the site plan. 5.23. <u>Emergency Access</u> X Construct will ensure that the requirements of the London Fire and Emergency Planning Authority (LFEPA) will be followed for the provision of site access. Where appropriate, the accesses to the site will be designed to the requirements of the London Fire Brigade Note 'Access for Fire Appliances' which addresses the road widths required for fire apparatus. Access may require updating in line with any planned changes at key stages of development. Access must be suitable for ambulances. 5.24. <u>Welfare and First Aid</u> Welfare facilities will be provided whilst on site. These include: use of Canteen / Offices / Drying Room / Toilet Facilities. All sub-contractors are responsible for keeping these facilities clean and tidy. X Construct's SM will be responsible for monitoring the welfare facilities; this includes a full inspection at suitable intervals ensuring that they are clean and tidy. All X Construct staff and Sub-Contractor Supervisors are First Aid trained. First Aid facilities will be provided with a dedicated First Aid room. This facility is cleaned daily and checked weekly by the site manager.	CM/SM PM/CM/SM /HSM

Construction Phase Plan

		ACTION BY
		
5.25. Accident and Emergency The nearest A & E centre is located at: Whittington Hospital, 18 Magdala Ave, London N19 5NF		

Construction Phase Plan

	ACTION BY
5.25.1. <u>Directions via the Highway</u> - Fastest Route from Crescent Road – Duration 17min (3.7miles) - Take South Terrace and Alexandra Palace Way to Park Rd/A1201 - Alexandra Palace Way turns slightly left and becomes Park Rd/A1201 - Take Stanhope Rd to Hornsey Ln/B540 - Continue on Hornsey Ln/B540 to Magdala Ave - Arrive Whittington Hospital London N19 5NF	HSM/PM/CM
5.26. <u>Safety Alerts</u> X Construct Ltd will issue a series of safety alerts, as and when the need arises. Safety Alerts are communicated and displayed on the site noticeboard and any relevant actions will be completed.	CM/SM
5.27. <u>Site Signage</u> The appropriate project information, H&S notice board, site safety, speed limits, directions and warning signage will be deployed on the gates and hoarding to protect the safety of the public, pedestrians, employees and visitors to the site.	PM/CM/SM
5.28. <u>Site Rules</u> The project specific site rules will be notified through the Construction Phase Health and Safety Plan, reinforced through site inductions and clearly displayed on the H&S notice board at all times. Site Rules can be found in Appendix 6 of this document.	PM/CM/SM
5.29. <u>Security Arrangements</u> The site will be secured by a mixture of Heras fencing and hoarding on all sides and subject to weekly condition checks, whereby any maintenance required will be administered.	SM
5.30. <u>CCTV</u> CCTV cameras will be deployed as required by LBH the footage from which will be available to LBH for a period of not less than 21 days.	
5.31. <u>Vehicle Parking for Operatives</u> Parking on site will not be considered and a Travel Plan indicating how workers will access the site using public transport, walking and cycling will be provided as part of the TMP/CMP. Cycle facilities (including cycle parking) will be provided on site wherever practical.	

Construction Phase Plan

6. Noise and Vibration

	ACTION BY
6.1. <u>Section 61 Agreement</u> The site category is deemed by LBH as a Major Development and therefore requires X Construct to apply for an S61 Agreement for prior consent for noise-generating activities during construction. This will be applied for prior to starting on site.	SPM/PM/HSM
6.2. <u>Controlling Noise and Vibration</u> As above, the site category is deemed as a Major Development by LBH and as such requires a Noise and Vibration Risk Assessment and subsequent Method Statement. Each section of works will be subject to an individual risk assessment to mitigate, reduce and control noise and vibration during construction operations. Regarding these works, X Construct will: - adhere to standard hours for noisy site work and ensure that 'best practicable means'(BPM) are applied to all activities to mitigate noise and vibration impacts on neighbours - ensure that contractors use the quietest machinery and methods wherever possible. - ensure that if work is planned to take place outside the standard hours, prior consent is obtained from the LBH Environmental Protection (Noise) Team using the 'Site Hours Variation Request' procedure. - consider noise-sensitive receptors including housing, educational establishments, hospitals, care homes, hotels, hostels, concert halls, theatres, law courts and broadcasting and recording studios, in addition to any other uses which would be particularly affected by increased noise levels.	PM/CM/SM
6.3. <u>Monitoring Noise and Vibration</u> X Construct will review and plan the following activities which are considered as high impact noisy work activities: - Demolition - Earthworks - Piling exc Auger/rotary piling methods - Cutting using power tools - Breaking out using power tools - The use of impact fasteners - The loading of heavy materials	PM/CM/SM

Construction Phase Plan

	ACTION BY
A baseline survey was undertaken by Sandy Brown Consultants to determine the existing noise environment around the site and recommend noise levels to be observed during works (Appendix 7). X Construct will not permit the above high impact noisy activities near noise sensitive receptors during restricted hours and will ensure that all site operatives adhere to all agreed restricted working hours. X Construct will implement the following: - Measures to monitor noise and vibration, and ensure procedures are in place for recording and reporting monitoring results - Procedures for remedial action in the event of any exceedances and non-compliance Should X Construct require any additional or alternative working hours for operational and/or health and safety reasons, prior agreement with the LBH will be sought. However, in the case of work required in response to an emergency and or health and safety needs, LBH and residents will be advised as soon as is reasonably practicable that the works are taking place and their likely duration. The requirement for a continuous noise and vibration monitoring system supplied by a suitably competent provider, combined with a real-time alarm system and the locations of the monitors (placed in noise and vibration sensitive locations) will be agreed with the LBH prior to installation. The monitors will measure noise and vibration and trigger and action thresholds based on significant criteria. X Construct will take steps to ensure lower noise levels than the specified limits, as far as it is practicable. Noise and vibration level readings will be available upon request to LBH. 6.4. <u>Sub-contractor Method Statements</u> 6.4.1. <u>Noise</u> Sub-Contractors Risk Assessments and Method Statements for noisy works will show how they intend to reduce noise levels on site, via incorporating appropriate working practices for negative environmental impact mitigation on neighbours. They will also adhere to Control of Noise at Work Regulations (2005). Below are the standard control measures that will be implemented on site: Lower Action Value – Lep,d of 80db (a): - Risk Assessment - Plan of Action/Controls and implement - Hearing Protection Available - Information/Training	CM/SM

Construction Phase Plan

	ACTION BY
Upper Action Value – $L_{ep,d}$ of 85db (a): • Risk Assessment • Plan of Action/Controls and implement mandatory hearing protection • Information/Training • Reduce Noise Level by Technical Methods • Limit the number of people exposed to the noise source Immediate actions will be taken when this level is exceeded. Work will not continue until effective daily personal noise exposures are below 87 dB. At any level Information, Training, Instruction and Supervision will be given by our site project team. 6.4.2. <u>Vibration</u> Sub-Contractors Risk Assessments and Method Statements for works causing vibration will show how they intend to reduce levels on site, incorporating appropriate working practices for negative environmental impact mitigation on neighbours. For the operator, any process or item of plant that has been identified as a potential vibration hazard will be assessed and exposure limits determined using The Hand Arm Vibration Calculator https://www.hse.gov.uk/vibration/hav/vibrationcalc.htm. These are the standard control measures that will be implemented on site: For hand-arm vibration the EAV (Exposure Action Value) is a daily exposure of 2.5 m/s² A(8). ▪ Risk Assessment ▪ Look for alternative work methods which eliminate or reduce exposure ▪ Plan of Action/Controls and implement ▪ Information/Training For hand-arm vibration the ELV (Exposure Limit Value) is a daily exposure of 5 m/s² A(8). Risk Assessment ▪ Look for alternative work methods which eliminate or reduce exposure ▪ Plan of Action/Controls and implement ▪ Information/Training ▪ Limit Exposure by introducing Protective Clothing such as gloves to keep hands warm and encourage good blood flow Immediate actions will be taken when this level is exceeded. Work will not continue until effective daily personal exposures are below the ELV. At any level Information, Training, Instruction and Supervision will be given by our site project team.	CM/PM

Construction Phase Plan

7. Dust Control

	ACTION BY
X Construct will follow the detailed, specific guidance, within the Greater London Authorities', "Control of Dust and Emissions during Construction and Demolition SPG", on risk-assessing sites, control measures, and site monitoring for dust. All practicable measures to avoid producing dust or air pollution will be implemented during demolition and construction works. 7.1. <u>Air Quality</u> As the site category is deemed by LBH as a Major Development there is a requirement for an Air Quality and Dust Risk Assessment and subsequent Air Quality and Dust Management Plan. An Air Quality Assessment has been undertaken by NRG Consulting Ltd (Appendix 8). It includes information relating to a baseline for air quality and recommendations for monitoring and controlling dust and air pollution during the project works by way of, "Table 7.1: Mitigation of Construction Activities", of the AQA. NRG have also produced an Air Quality and Dust Management Plan (Appendix 9). X Construct will ensure that the activities on site will adhere to this and the main regulatory controls over dust and air pollution, which are the 'statutory nuisance' provisions contained in the: ▪ Environmental Protection Act 1990. ▪ The Control of Dust and Emissions during Construction and Demolition SPG July 2014 (Mayor of London). ▪ Environment Act 1995, the Clean Air Act 1993 ▪ Health and Safety at Work etc. Act 1974 ▪ Environmental Protection Act 1990 ▪ UK Air Quality Strategy ▪ Tower Hamlets Local Plan 2031 (2020). The following common construction activities which have potential to generate dust will be carefully considered: ▪ excavation and removal of spoil (in dry weather) ▪ formation of access into existing structures using cutting equipment ▪ demolition ▪ concrete breaking/scabbling ▪ track-out Each section of works will be subject to an individual risk assessment to mitigate, reduce and control dust pollution.	CM/SM PM/CM/SM /HSM

Construction Phase Plan

	ACTION BY
7.2. <u>Site Management</u> A stakeholder communications plan must be developed (with the community) and implemented prior to work commencing on site. X Construct will display the name and contact details of person(s) accountable for air quality pollutant emissions and dust issues on information board on the site boundary. The regional office contact information will also be displayed. An on-site record (in a complaint log) and any responses to all dust and air quality pollutant emissions complaints will be maintained and made available to LBH when required. Continuous dust monitoring is not a requirement for this scheme, however as per the requirements of the AQDMP, to minimise the formation of dust and harmful emissions from the site, the following dust monitoring activities will take place: - Two real-time automatic PM10 Monitors shall be installed to ensure dust emissions are kept to acceptable levels. This will take place using Airly PM monitors (or any other MCERTS approved monitor). - Handheld Dust Monitoring will be conducted if high-dust generation works take part on-site away from the automatic monitors. - Weekly Visual Inspections with the nearest sensitive off-site receptors located within 50-100m of the site (primarily Dagmar Road and Crescent Road) as indicated in the receptor locations figure. The frequency of regular site inspections and inspections of the local community will be increased as and when the activities listed in Table 7.1 of the AQA are ongoing or after prolonged dry or windy conditions. X Construct will take responsibility for cleaning any dust generated by site activities, which has contaminated a property. 7.3. <u>Preparing and Maintaining the Site</u> 7.3.1. <u>Plan site layout:</u> X Construct will, wherever practicable: - Locate machinery and dust-generating activities away from receptors, particularly schools, hospitals, and homes - Erect solid screens or barriers around dust-generating activities or the site boundary that are at least as high as any stockpiles on site - Fully enclose site or specific operations where there is a high potential for dust production and the site is active for an extensive period - Avoid site runoff of water or mud - Keep site fencing, barriers and scaffolding clean using wet methods	PM/CM/SM PM/CM/SM

Construction Phase Plan

	ACTION BY
- Remove materials from site as soon as possible - Cover, seed, or fence stockpiles to prevent wind whipping - Carry out regular dust soiling checks of buildings within 100m of site boundary and cleaning to be provided if necessary - Provide showers and ensure a change of shoes and clothes are required before going off-site to reduce transport of dust	CM/SM
7.3.2. <u>Operations</u> X Construct will, wherever practicable: - Only use cutting, grinding, or sawing equipment fitted or in conjunction with suitable dust suppression techniques such as water sprays or local extraction, e.g., suitable local exhaust ventilation systems - Ensure an adequate water supply on the site for effective dust/particulate matter mitigation (using recycled water where possible) - Use enclosed chutes, conveyors, and covered skips - Minimise drop heights from conveyors, loading shovels, hoppers and other loading or handling equipment and use fine water sprays on such equipment wherever appropriate - Ensure equipment is readily available on site to clean any dry spillages, and clean-up spillages as soon as reasonably practicable after the event using wet cleaning methods	
7.3.3. <u>Vehicle emissions</u> X Construct will, wherever practicable: - Ensure all vehicles switch off engines when stationary; a no idling policy for all site vehicles is required to be implemented - Avoid the use of diesel or petrol-powered generators and use mains electricity or battery-powered equipment wherever possible. - Make efforts to have sufficient electrical power - Combustion-based equipment must, where practicable, be replaced with electric/battery/ low-emission technology equipment - Impose and signpost a maximum speed-limit of 10mph on surfaced haul routes and work areas. - Implement a Travel Plan that supports and encourages sustainable travel (public transport, cycling, walking, and car-sharing) - A wheel-washing system should be implemented for all construction vehicles where applicable - All vehicles entering or exiting the site must be securely covered to prevent the escape of material during transport - All commercial road vehicles attending the site must meet European Emission Standards pursuant to the EC Directive 98/69/EC of Euro 4 for	PM/CM/SM

Construction Phase Plan

	ACTION BY
petrol vehicles and Euro 6 for diesel vehicles and Euro VI for all lorries and specialist heavy goods vehicles ▪ Ensure all road vehicles comply with the requirements of the London Low Emission Zone (LEZ) and Ultra Low Emission Zone (ULEZ) ▪ Encourages the use non-petrol and non-diesel vehicles and NRMM at the construction site (deliveries including). For instance, electric and hybrid solutions should be considered. 7.3.4. <u>NRMM (Non-Road Mobile Machinery)</u> X Construct will ensure that: ▪ All NRMM (such as generators, excavators, piling machines, etc.) to be used during construction comply with emission requirements and the scope of the 'Control of Dust and Emissions SPG' (or any subsequent amendment) ▪ The site is registered, prior to the commencement of any demolition and/or construction works, all NRMM of net power (between 37kW and 560 Kw) for use on site with http://nrmm.london ▪ Noise sensitive receptors will be, wherever possible, protected from NRMM noise generation by location away from their boundaries ▪ No Idling Policy will be implemented for all NRMM when stationary, engines to be switched off. ▪ NRMM should, wherever possible, be powered by electric and hybrid solutions as opposed to noisier petrol and diesel engines (also applied to delivery vehicles)	

Construction Phase Plan

8. C.O.S.H.H. and Contaminated Land

	ACTION BY
8.1. <u>Control of Substances Hazardous to Health</u> All substances hazardous to health will be assessed prior to use and findings communicated to operatives involved prior to use. All COSHH assessments will contain information on storage, use and emergency procedures, first aid, spillage and disposal of the product. A list of materials and their accompanying assessments for use will be copied to site management and 'COSHH Register' kept up to date. Task specific Method Statements will be included. Where appropriate, Safety Data Sheets will also be available on site. All COSHH items will be stored correctly and locked storage container where necessary.	PM/CM/SM /HSM
8.1.2. <u>Use of hazardous substances</u> X Construct requires that all subcontractors provide the company with their COSHH assessments for all substances that they will use on site. These must be specific to the work being undertaken on this project (only supplying hazard data sheets will not be acceptable). X Construct has been provided with a set of generic (incomplete) COSHH assessments for use on site should the need arise. Where works on site may cause dust, this will be carefully managed so that all operatives or staff that can avoid coming into contact with said dust, will avoid contact. Any persons that can't avoid contact with dust should be suitably protected. This could involve use of monitoring, dust extraction, signage, controlled exclusion areas, ventilation and or PPE as a last resort. Any operatives using PPE for dust must be face-fit tested and clean shaven prior to entering such areas. Any such dust creating operations must be risk assessed and have the risks mitigated to reduce any potential harm.	PM/CM/SM /HSM
8.2. <u>Contaminated Land</u> X Construct will ensure that the activities on site adhere to: ▪ The Environmental Protection Act 1990 ▪ Section 57 of the Environment Act 1995. ▪ Contaminated Land (England) Regulations 2006 ▪ The Pollution Prevention and Control Regulations 2000	PM/CM/SM /HSM

Construction Phase Plan

	ACTION BY
8.2.2. <u>Pre-site clearance or demolition</u> X Construct will ensure that any clearance, demolition or construction on land where contamination is suspected, including those identified by the LBH as potentially contaminated land under Part IIA of the Environmental Protection Act 1990, or which is of a particularly sensitive use, that all relevant pre-commencement planning conditions are discharged and/or pre-development site requirements have been undertaken prior to site clearance commencing.	PM/CM/SM /HSM
8.2.3. <u>Site investigation, remediation and verification</u> In addition to the above, a preliminary risk assessment has been undertaken, in the form of a Desktop Study / Ground Investigation Report by Land Science (Appendix 9), which includes: ▪ A desktop study, which identifies all current and previous uses and planning permissions at the site and surrounding area, as well as the potential contaminants associated with those uses including previous records of polluted land. ▪ A site reconnaissance. ▪ A conceptual model indicating potential pollutant linkages between sources, pathways, and receptors, including those in the surrounding area and those planned at the site. ▪ A qualitative risk assessment of any potentially unacceptable risks arising from the identified pollutant linkages to human health, controlled waters, and the wider environment including ecological receptors and building materials. ▪ A walkover survey to identify any potential on-site or off-site sources of contamination (e.g., underground storage tanks). ▪ Sampling of Soil, Soil vapour, Ground gas, Surface and groundwater The investigation information will be made available to the appropriate contractors so that any contaminated spoil can be safely handled and disposed of. X Construct will ensure appropriate action is taken and/or mitigation measures put in place to enable itself and contractors to develop a Risk Assessment and Remediation Strategy/Method Statement so that: ▪ Works do not pose any unacceptable risks to human health (including construction workers, neighbours and the general public), controlled waters or other ecosystems. ▪ The completed development does not pose any unacceptable risks to human health (including subsequent construction/ maintenance workers, future occupants, neighbours and the general public), controlled waters and other ecosystems	PM/CM/SM



Construction Phase Plan

	ACTION BY
X Construct will notify the LBH Pollution Team of: - Any ground contamination found either during preliminary investigation or subsequently during development - Any remediation which takes place, seeking approval of works by the Pollution Team and thoroughly documenting in a verification report - Contaminated land which may have archaeological significance, which will be properly assessed in accordance with Historic England advice and at the earliest practicable stage.	PM/CM/SM
8.2.4. <u>Spoil, soil waste and hazardous waste</u> X Construct will carry out the works in such a way that, as far as is reasonably practicable, the amount of spoil and soil waste (including groundwaters, production waters and run-off) for disposal is minimised. Any waste arising from the site shall be classified, transported and disposed in accordance with the following regulations: - Controlled Waste (Regulation of Carriers and Seizure of Vehicles) Regulations 1998 and any amendments - European Waste Catalogue (EWC) - Environmental Protection (Duty of Care) Regulations 1991 - Hazardous Waste (England and Wales) Regulations 2005 The waste stream will be managed to maximise the re-use of surplus materials and, in circumstances where off-site disposal to licensed landfill is unavoidable, minimise any resulting adverse environmental effects. Materials requiring treatment or recycling, such as scrap metal or crushed concrete, are likely to be classified as waste and will be subject to the waste management legislation and any other statutory guidance referred above. Disposal sites and routes will be identified by X Construct in consultation with the council and the Environment Agency. When assessing the most suitable option for landfill disposal, the operator should consider the mode of waste transportation and alternatives to reduce adverse environmental impacts, transport times, landfill capacity, and licence conditions (including hours of operations, etc.). X Construct will comply with relevant legislation, technical guidance and regulations in the identification, handling, storage recovery, and disposal of spoil and soil waste. They will also comply with the measures regarding discharges to controlled waters and wastewater. Provision will be made for a suitably qualified and experienced environmental consultant to identify any hazardous waste as defined in the following regulations	PM/CM/SM

Construction Phase Plan

	ACTION BY
and subsequent amendments so that the materials can be appropriately managed and disposed of during works. - Hazardous Waste (England and Wales) Regulations 2005 - Special Waste Regulations 1996 - European Waste Catalogue - Excavated material The removal and disposal of contaminated materials will be conducted under a strict consignment system and comply with the Control of Substances Hazardous to Health (COSHH) Regulations 2002, the HSE Guidance Note EH/02, and the Occupational Exposure Limits 2002, to ensure that contaminated excavated materials are handled and disposed of safely and properly. 8.2.5. <u>Demolition material</u> X Construct will comply with the following regulations to ensure that contaminated materials are handled and disposed of safely and properly: - Control of Substances Hazardous to Health (COSHH) Regulations 2002 - HSE Guidance Note EH40/2005 - Environmental Protection Act 1990 - Special Waste Regulations 1996 (as amended) - Hazardous Waste (England and Wales) Regulations 2005 8.3. <u>Workplace Exposure Limits</u> 8.3.1. <u>Asbestos</u> All work on asbestos and other hazardous materials will comply with current legislation and HSE Approved Codes of Practice and Guidance. A full Refurbishment and Demolition Survey will be undertaken prior to any works commencing to identify: - The amount of hazardous material - Where it is and what condition it is in - Whether work is likely to disturb material - Whether and how the material needs to be safely protected or removed	PM/CM/SM PM/CM/SM

Construction Phase Plan

9. Site Waste Management

	ACTION BY
X Construct will support efforts in minimising and mitigating the impact on the environment through improved handling, transport, treatment and disposal of construction, demolition and excavation waste (CDE). X Construct will: ▪ Submit a Site Waste Management Plan (SWMP) ▪ Ensure waste is contained and disposed of in an appropriate manner and in accordance with legislation and the Waste Management Hierarchy ▪ Ensure methodologies are adopted that prevent environmental impacts by the mishandling and storage of on-site materials and waste. ▪ Understand and implement the latest London Plan guidance on the Circular Economy X Construct will carry out the works in such a way that, complies with the following regulations: ▪ The Waste (England and Wales) Regulations 2011 ▪ Environmental Permitting (England and Wales) Regulations 2010 ▪ Environmental Protection Act 1990section 34 ▪ Control of Pollution (Amendment) Act 1989 ▪ The Duty of Care Code of Practice ▪ The Producer Responsibility Obligations (Packaging Waste) Regulations 2007 (as amended). 9.1. <u>Site Waste Management Plans (SWMP)</u> To ensure that building materials are managed efficiently, waste is disposed of legally, and that material recycling, reuse and recovery is maximised, X Construct have produced a Site Waste Management Plan (Appendix 11) as required by the LBH SPD. The SWMP sets out how all building materials, and resulting wastes, are to be managed over the course of the project. The SWMP sets out: ▪ Specific waste targets aiming for less than 13.3 metres cubed or 11.1 tonnes per 100 square metres (gross internal floor area) with an aspiration towards achieving a more stringent target of less than 7.5 metres cubed or 6.5 tonnes per 100 metres squared where feasible. ▪ How X Construct will aim to minimise the amount of waste sent to landfill, ensuring that at least 95% of non-hazardous construction and demolition waste (in metres cubed) is diverted from landfill.	
	PM/CM/SM

Construction Phase Plan

	ACTION BY
9.1. <u>Managing Construction, Demolition and Excavation Waste (CDE)</u> Please note for contaminated waste relating to CDE please refer to the above Section 8.2, Contaminated Land. X Construct will ensure all wastes are removed from site using a registered waste carrier and sent only to disposal facilities authorised in advance to receive it. Disposal will be in accordance with relevant legislation. All waste documentation – transfer notes, consignment notes, exemptions, waste carrier and facility licences – will be held on-site as required by legislation, and will be maintained to be readily available for inspection at all times. Landfill disposal will be the very last option for waste when all other options or treatment routes have been exhausted.	PM/CM/SM
9.2. <u>Waste Storage</u> X Construct will manage waste on site as far as practicable, avoiding the need for off-site treatment or disposal. - Arrangements for storage and disposal of all waste including CDE will be agreed with the Council prior to commencement of the development - Contingency capacity for waste storage will be planned for to anticipate interruptions to offsite waste transport	PM/CM/SM
9.3. <u>Vehicle movement consolidation to reduce transport emissions</u> X Construct will take care to avoid unnecessary vehicle movements and single load trips wherever possible. Road-based CDE transport vehicles will be zero (tailpipe) emissions or low emissions vehicles that comply with local air quality regulation. X Construct will review sustainable transport options throughout the project and investigate the potential for spoil removal and materials transport by waterways.	PM/CM
9.4. <u>Waste Prevention and Reduction</u> Where practicable, X Construct will encourage measures to reduce waste arising during construction or demolition to include the following: - use prefabrication - plan early and define targets and processes in a SWMP - allocate sufficient space to be able to separate materials and store them separately either for re-use or eventual disposal - avoid over-ordering of materials	PM/CM/SM

Construction Phase Plan

	ACTION BY
▪ avoid damage on delivery by using a walled laid-out storage and off-loading area (consolidation centre) ▪ avoid repetitive handling ▪ salvage topsoil for re-use ▪ use of consolidation centres if possible ▪ reduce municipal waste from temporary welfare accommodation on site by avoiding single use or excessively packaged items 9.5. <u>Waste Re-use, Recycling and Recovery</u> X Construct will aim to contribute to the Circular Economy: The Mayor of London's Design for a Circular Economy Primer' to meet or exceed the targets for each of the following waste and material streams: ▪ construction and demolition waste ▪ 95% reuse, recycling or recovery ▪ excavation waste – 95% beneficial use (for inert material) As part of our SWMP, a plan to reuse and recycle on-site waste is addressed. It includes where practicable: Re-use: ▪ allowance for simple disassembly ▪ construction with re-used or recycled materials wherever possible ▪ concrete, brick, foundations etc to be re-used directly where possible; alternatively include an on-site crusher for use on site roads, permanent roads, piling mats etc. ▪ earth spoil to be retained for landscaping or filling ▪ metal components to be retained for re-use on site or nearby cycle (e.g., legacy materials) Recycling: ▪ segregation of materials for recycling, including at minimum: timber/ wood, plastics, metals, batteries, electrical & electronic appliances, and cardboard packaging ▪ clean wood waste ▪ vegetation to be composted Recovery: Waste which cannot be reused or recycled to be sent for recovery to a licensed and R1 rated facility, this applies to the following: ▪ materials for which no robust and reliable end-markets exist ▪ materials that can only be exported for recycling to developing nations where subsequent processing leads to environmental and ethical issues	PM/CM/SM



X Construct LTD Safety Management System

Construction Phase Plan

	ACTION BY
▪ difficult to recycle composite materials ▪ certain hazardous waste streams requiring thermal destruction ▪ wood waste unsuitable for recycling in the panel board industry ▪ materials containing chemicals that should not re-enter the material use cycle (e.g., legacy materials)	

Construction Phase Plan

10. Water Pollution and Flood Risk

	ACTION BY
X Construct will employ good site management practices to protect surface water and groundwater from accidental contamination, including from road sweeping and other cleaning measures, and will carry out the works in such a way that, complies with the following regulations: - the Water Resources Act 1991). - Anti- Pollution Works Regulations 1999 - Control of Pollution (Oil Storage) Regulations 2001 - BS 6031: 1981 Code of Practice for Earthworks - Control of Substances Hazardous to Health (COSHH) Regulations 2002 In relation to water pollution X Construct will: - not discharge any trade effluent waste or any other waste matter directly into surface or foul drains without contacting the appropriate governing body and gaining the relevant approval - ensure effective working methods are developed and in place to protect the surface and groundwater from pollution - ensure there are no adverse impacts on the water environment in and around the site, including changes to the water quality, water flow paths, or water levels - guarantee flooding is considered and protection measures are in place to protect against any flooding - ensure the site's drainage system is appropriately designed, installed and maintained. Where discharge of any polluting matter to controlled waters has occurred X Construct will carry out works to clean-up the pollution. Any storage of oil exceeding more than 200 litres of oil-based liquids outdoors will have in place storage facilities that comply with the following: - The oil container will be of sufficient strength to ensure it is unlikely to leak. - The container will be situated within a secondary containment system (SCS), which will prevent the release of any leaked oil.	PM/CM/SM
10.1. <u>Wastewater and Groundwater</u> X construct will minimise the amount of wastewater that is discharged from site and if required will find alternative means of disposal for all trade effluent. All wastewater and any seepage generated because of onsite activities such as water from dewatering excavations, run-off slurry or bentonite, is classified as trade effluent. Therefore, permissions will be sought from the Environment Agency (controlled waters) and Thames Water prior to this type of wastewater being	PM/CM/SM

Construction Phase Plan

	ACTION BY
discharged directly to a receiving water body or sewer. All evidence of approvals & consents must be kept, easy to access and stored on site. X Construct will ensure the continuous compliance with the requirements below: - Any seepage and wastewater arising from works must be collected and discharged via a settlement tank. - Any soakaway discharge will only be permitted where the effluent is proved to be acceptable by the Environment Agency and the consent of Thames Water. - Prior to any excavation works below the water table, including any site de-watering, the Environment Agency and Thames Water will be informed of the works to be conducted. - Any de-watering and disposal measures will be agreed with the Environment Agency and an Abstraction Licence shall be obtained before the works commence. - General site drainage will comply with BS 6031: 1981 Code of Practice for Earthworks, - Any water which has been in contact with contaminated materials will be appropriately disposed of - Any water discharged from site that directly or indirectly ends up in either the river Thames or a local canal requires the consent and approval of the Port of London Authority (PLA) or the Canal and River Trust prior to works starting. - A consignment note system will be implemented for all discharges of waste including liquid waste that is removed from site by a licensed waste carrier. - Foul water and sewage effluents produced by the construction workforce on-site must be contained within temporary foul drainage facilities installed and subsequently disposed of off-site by a licensed waste contractor 10.2. <u>Temporary and Permanent Sewer Connections</u> X Construct will obtain the relevant consents and approvals from the council and/or Thames Water for all onsite drainage works that affects either the public or highways drainage systems. We will comply with the general requirements outlined below for temporary and permanent sewer connections: - Contact will be made and consents granted by Thames Water and/or the council prior to any works being undertaken for drainage connections - Any redundant drainage pipework that is connected to the sewer will be sealed off at the existing sewer connection and the remaining drainage pipework removed from site or filled with an acceptable material that complies with the Approved Document H: - Any existing drainage pipework that is to be retained must be cleaned, tested and CCTV surveyed to ensure it is in good working order and is suitable for the new development. - All drainage works will comply with the relevant regulations and code of practices for implementing drainage works.	PM/CM/SM



Construction Phase Plan

	ACTION BY
To prevent release of rodents or sewer gases from site during works, temporary sewer pipework will be provided with a 'cascade' cast iron interceptor trap which complies with the British Standard specification. 10.3. <u>Drainage Routes to Canals and Waterways</u> Drainage to canals or other waterways will not be permitted without prior agreement with either the British Waterways or the Canal & River Trust, and both are subject to the Land Drainage Act 1991. 10.4. <u>Protection of Aquifers</u> X Construct will have due regard for underlying aquifers and adhere to the Environment Agency's Groundwater Protection Policies. In all instances, appropriate protection of aquifers will be undertaken, following liaison with the Environment Agency regarding the piling and construction techniques to be employed. Details of appropriate measures to prevent groundwater contamination (including monitoring) will be agreed with the Environment Agency in writing prior to commencement of the relevant works. 10.5. <u>Water Transport and Barging</u> X Construct will manage flood risk as far as reasonably practicable to make sure on-site works do not increase the likelihood of flooding, cause damage to existing flood defences, impede water flows or harm the environment in any way. 10.6. <u>Flood Risk</u> X Construct will ensure that flood risk is reasonably considered, mitigated, and managed throughout the entire construction phase of the development. A site-specific flood risk assessment has been undertaken by RPS Consulting Services Ltd (Appendix 12), to consider and develop measures to protect against flooding. The flood risk was deemed as extremely low. X Construct will manage flood risk as far as reasonably practicable to make sure on-site works do not increase the likelihood of flooding, cause damage to existing flood defences, impede water flows or harm the environment in any way.	PM/CM/SM PM/CM/SM PM/CM PM/CM

Construction Phase Plan

11. Urban Ecology and Biodiversity

	ACTION BY
11.1. <u>TPO's</u> X Construct will follow the specific requirements agreed with LBH and the loss of trees will be avoided wherever possible. An Arboriculture Impact Assessment (AIA) has been carried out by Landmark Trees (Appendix 12), detailing the possible impact construction could have on retained trees. Where the removal of a tree is agreed with LBH, the following mitigation will be implemented: ▪ A minimum net gain of 2:1 for any trees removed ▪ Trees are replaced with a stock size of Semi Mature in line with BS 3936 ▪ Trees will not be removed prematurely and not until necessary Any re-planting as a result of mitigation will be agreed in advance with LBH. If required, X Construct will not commence development until: ▪ All trees within the site and all trees overhanging from adjoining land have been protected in accordance with British Standard 5837:2012. ▪ Tree retention/removal plan, detailing retained trees within and outside of the development red line and their Root Protection Areas (RPA's) ▪ Arboriculture Impact Assessment (AIA) is carried out, detailing the possible impact construction could have on retained trees ▪ Arboriculture Method Statement (AMS) has been produced describing how trees within and outside the development redline will be protected during construction and detailing any specialist engineering solutions and methodologies for works close to trees Any such tree protection measures will be retained in place for the duration of the construction works and during this period no works other than landscaping works shall be carried out or materials stored within the protected areas underneath the trees.	PM/CM PM/CM/SM
11.2. <u>Biodiversity</u> X Construct recognise the need to protect existing habitats or other features of biodiversity value within or adjacent to development site. Where such features are to be retained, this will be managed through planning conditions, Section 106 Agreements, and other agreements with the Council. These areas or features will be securely fenced to ensure no encroachment by staff, machinery or materials.	PM/CM/SM



X Construct LTD Safety Management System

Construction Phase Plan

An Ecological Appraisal of 1-6 Crescent Mews was undertaken by LUC (Appendix 14) detailing the possible impact construction could have the existing habitat.

X Construct will comply with the recommendations set out in the report during the construction phase and the provisions of the Wildlife and Countryside Act 1981, as amended, and other relevant nature conservation legislation together with the requirements of the Local Plan and any conditions or Agreements attached to planning permissions.

Where protected species concerns are covered by conditions or agreements, the X Construct will follow all the specified provisions. If any protected species are found on site, works will not commence or continue (if already underway) until a suitably qualified ecologist has been consulted.



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Construction Phase Plan

12. Archaeology, Built Heritage and Sustainability

	ACTION BY
12.1. <u>Archaeology</u> The site is not a listed building, nor does it sit within a conservation area or an Archaeological Priority Area, so does not warrant further investigations or particular protection in this regard.	PM/CM

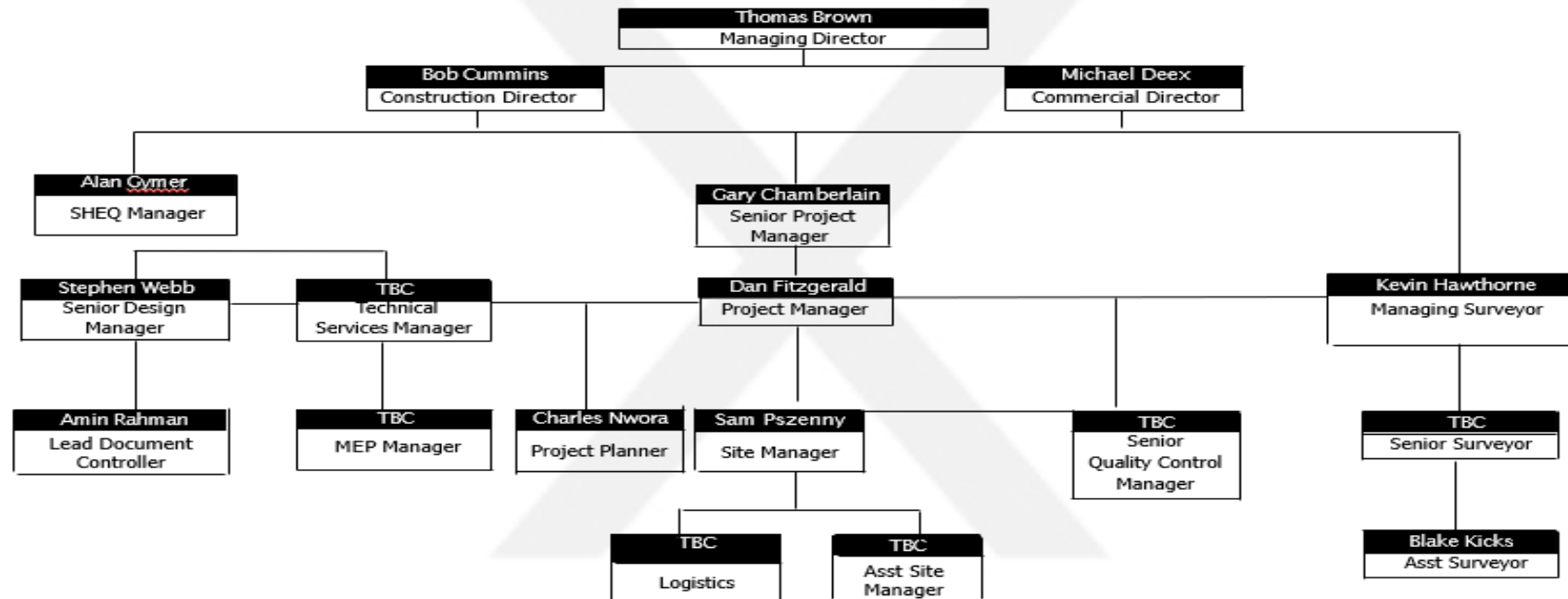


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Construction Phase Plan

APPENDIX 1: Project Organigram

1 – 6 Crescent Mews Team 2023





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Construction Phase Plan

APPENDIX 2: Consultation

Please follow link to the Consultation Report –

<https://download.4projects.com?LinkID=60b6515c-54a9-4997-960c-390075319007>



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Construction Phase Plan

APPENDIX 3: Neighbouring Sites





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APPENDIX 4: Emergency and Evacuation Procedures

For All Sites

This standard procedure must be followed by all personnel / visitors on site, unless specified otherwise by site management.

All sites are equipped with firefighting arrangements. Satisfy yourselves you know the location of the Fire Points and alarm system on your site. (Remember a lot of site fire warning systems are verbal or air horn).

Ensure you know the location of the Assembly Point.

Ensure your immediate supervisor knows your whereabouts at all times.

Make sure you report to the security or site office and follow the signing-in procedure at all times (you will be notified of the site arrangements as applicable).

On discovering a fire or hearing an alarm:

- Shout 'Fire Fire Fire!' and raise the alarm at the nearest Fire Alarm Point.

Only if there is no danger to yourself or others, use the firefighting equipment to attempt to extinguish the fire.

Warn people in the immediate area. If you have time to, switch off any equipment or machinery you are using.

Leave the building via the nearest exit route. Do not run. Do not attempt to use any lifts, hoists or moving escalator systems.

If evacuating down scaffold use only authorised access points, do not attempt to scale down the structure.

Proceed to the Assembly Point, report to your supervisor and await further instructions.

If you have any relevant information e.g., where the fire started or location of an injured person, inform your supervisor, fire warden or rescue services at this time.

If you are involved with hot works, on hearing / raising the alarm:

- Extinguish your lance/gun and close the valves on your bottles.
- Leave the building and proceed to the Assembly Point
- Inform your supervisor, fire warden or rescue services of the bottles position. (Remember the more information the rescue services have makes their job easier).



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Construction Phase Plan

APPENDIX 5: TMP/CLP

Please follow link to the TMP/CLP –

<https://download.4projects.com?LinkID=b2c1857e-dcd0-47fe-af98-390075312652>



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Construction Phase Plan

APPENDIX 6: Site Rules

- Full compliance with the requirements of this plan and the accompanying procedure appendices.
- Fully co-operate with all established working personnel at all times to maintain a safe working environment.
- Operatives must comply with all Safety Notices & Signs
- Fire escape routes must be kept clear at all times
- No food or drink may be brought into any areas of the building with the exception of the canteen
- Alcohol and illegal drugs are not permitted on site. Testing may take place on this project
- All electrical tools and equipment must be 110V, tested & with manufacturers' guards in place
- No crane lifts or lifting operations are to be undertaken without approval.
- All waste and debris arising from your works is to be cleared on a daily basis, if possible, to skips provided by X Construct unless disposal from site is included within your package. Failure to adhere to this will entail others being employed to clean up after you and you will be charged
- Burning of rubbish on site or outside the site boundary will not be permitted
- All contractors, visitors and deliveries must report to the site office upon arrival
- All newcomers to site will receive an induction on site procedures and will be required to complete an induction form
- A daily sign in AND out procedure is in place. This is a record of personnel on site in the event of a fire. All must comply
- Fully comply with arrangements for the use of welfare facilities and ensure they are not misused at any time.
- Fully observe fire, safety and evacuation procedures
- Fully observe safety requirements for the use of temporary services, plant and tools.
- Fully observe No Smoking Policy.
- Fully observe the Covid-19 Risk Assessment
- All operatives must understand fully their method statements / risk assessments prior to commencement on site
- Current training certificates (for Plant, Vehicles, Activities etc) must be provided to the Site Team as required / requested
- No persons under the age of 18 years will be permitted to control any form of machinery, plant etc
- All vehicles to be parked in designated contractor areas
- Vehicles must not reverse on site without the supervision of a trained vehicle banks man
- Hot works procedures are all client specific i.e., Fire safety requirements understood by all and being complied with.
- COVID - Do not attend site if you are feeling unwell or have a temperature. Site access is subject to passing a temperature check.
-

Public Protection

- Fully observe noise restrictions.
- Comply with Noisy Works timings.

Community Interface

- Fully comply with the procedures for the collection and removal of rubbish.
- Fully observe our position within the community and deal with all residents with dignity and respect.



X Construct LTD Safety Management System

Construction Phase Plan

APPENDIX 7: Noise Impact Assessment

Please follow link to the Noise Impact Assessment -

<https://download.4projects.com?LinkID=60b6515c-54a9-4997-960c-390075319007>



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Construction Phase Plan

APPENDIX 8: Air Quality Assessment

Please follow link to the Air Quality Assessment -

<https://download.4projects.com?LinkID=60b6515c-54a9-4997-960c-390075319007>



X Construct LTD Safety Management System

Construction Phase Plan

APPENDIX 9: Air Quality Dust Management Plan

Please follow link to the Air Quality Dust Management Plan Report -

<https://download.4projects.com?LinkID=b2c1857e-dcd0-47fe-af98-390075312652>



X Construct LTD Safety Management System

Construction Phase Plan

APPENDIX 10:

Desk Study / Ground Investigation

Please follow link to the Desk Study / Ground Investigation Report-

<https://download.4projects.com?LinkID=60b6515c-54a9-4997-960c-390075319007>



X Construct LTD Safety Management System

Construction Phase Plan

APPENDIX 11 Site Waste Management Plan

Please follow link to the SWMP –

<https://download.4projects.com?LinkID=b2c1857e-dcd0-47fe-af98-390075312652>



X Construct LTD Safety Management System

Construction Phase Plan

APPENDIX 12: Flood Risk Assessment and Drainage Plan

Please follow link to the Flood Risk Assessment and Drainage Plan -

<https://download.4projects.com?LinkID=60b6515c-54a9-4997-960c-390075319007>



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Construction Phase Plan

APPENDIX 13: Arboriculture Impact Assessment

Please follow link to the Arboricultural Impact Assessment -

<https://download.4projects.com?LinkID=60b6515c-54a9-4997-960c-390075319007>



X Construct LTD Safety Management System

Construction Phase Plan

APPENDIX 14: Ecological Appraisal

Please follow link to the Ecological Appraisal -

<https://download.4projects.com?LinkID=60b6515c-54a9-4997-960c-390075319007>



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Construction Phase Plan

APPENDIX 15: Pre-Construction Information

Available upon request.