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CONSTRUCTION MANAGEMENT PLAN

8-16 Park Grove

Manchester M19 3AQ

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1.0 Introduction

The Site is located on Park Grove, Manchester which is a mixed residential and commercial area. The Client (Al-Raza Foundation) a registered Charity, is committed to undertake the proposed development in an environmentally responsible manner minimizing the disruption to the surrounding area. This Construction Management Plan (CMP), prepared by Design 4 Build Services set out the standards of construction and practices that will be adopted to minimize the impacts of the proposed demolition and construction works.

This document has been prepared to satisfy any proposed planning condition which need to be discharged prior to commencement of the construction works. The construction will be undertaken in accordance with the approved building regulation details unless otherwise agreed in writing by the Local Authority as all details are required to be submitted prior to the commencement of development to provide adequate information in the interest of highway safety, the ecology of the site, and to protect the amenities at present enjoyed by the occupiers of nearby properties.

The contents of this report include a brief description of the project, planned project sequencing and overview of the EH&S Plan for the project, Parking and Traffic, Noise, Dust and Vibration, Construction Waste Management Plans.

This report describes the principal methodology for the construction of the proposed development and outlines the proposed measures to minimize the impact from demolition and construction activities.

1.2 Objectives of Report

The principal objectives of this report are as follows:

- To ensure that development complies with all planning consent conditions.
- To describe the way in which it is proposed to demolish the existing property and construct 2 storey steel frame structure building with dome.
- To ensure that this report is in accordance with relevant health, safety and environmental legislation to minimize risks to the workforce.
- To ensure that the builder has the knowledge and work experience in

accordance with relevant health, safety and environmental legislation to minimize the risks to the workforce and members of the public.

- This report base on following four sections which cover the theme and advise the answers how construction methods comply the regulations.
- To ensure the immediate and surrounding environment is maintained, during and after, and safely constructed.

1.3 Proposal

Erection of building to form place of worship with ancillary education facilities (Class D1) with ancillary landscaping, Car parking and boundary treatment, following demolition of existing building. The application (127478/FO/2020) for this proposal was permitted on 18 December 2020.

1.4 Contacting the Local Authority prior to Work

Construction is anticipated to commence following receipt of planning consent and discharge of any pre-commencement conditions.

The builder shall contact the Local Authority Environmental Health Department to consider a Section 61 agreement (under the Control of Pollution Act 1974) if:

- The site is located close to any potentially noise sensitive receptor (i.e. residents, offices, schools, religious centers, hospitals)
- The intended *normal working hours* will be from 0800 to 1800 on weekdays and from 0800 to 1300 on Saturdays. Sundays, Bank Holidays or Public Holidays will not be normal working days. The site will adhere to these normal working hours for each site as far as reasonably practicable. Deliveries, servicing, and collections, including waste collections shall not take place outside the following hours: 7.30 am to 8.00 pm, Monday to Saturday, no deliveries/waste collections on Sundays/Bank Holidays. The works are likely to cause disruption to neighbors even if within "normal hours"
- The contract or planning conditions outlines restrictive noise levels or permitted hours of working.

It is recommended to contact the Environmental Health Department well in advance of the project commencement date. This is so that detail that are required to submit as part of application be gathered and implemented.

1.5 *Display Key Contact Details*

One of the main causes of complaints that local councils are dealing with is the lack of information as to who to contact when an issue arise from a construction site. When setting up a site a Contact Board, it will be displayed prominently, ensuring that problems can be rectified quickly, and that residents and others can contact the responsible persons. The Contact Boards will include the following information, as a minimum:

- **Name of the main builder, address, and person to whom contact should be addressed.**
- Name of the site manager
- Month and year of completion of works
- Names and telephone numbers of staff who can take immediate action, so that contact can be made at any time.

1.6 Code of Practice

A scheme would be tailored to the specific requirements of the smooth working on site adhering to the Considerate Contractors Scheme Code of Practice outlined below:

- Consideration: Positive consideration to the needs of all potentially affected parties.
- Environment: Minimizing noise and dust from construction.
- Cleanliness: The working site to be Keep always cleaning the site.
- Good Neighbours: Full and regular consultation with neighbours regarding site activities.
- Respectful: Respectful and safe standards of dress shall be maintained.
- Responsible: Respect to obligations of the Code.
- Accountable: response to issues raised by the public or persons affected by the site operation.

1.7 Legislation and Regulations

All works will be carried out in accordance with requirements of the following:

Health and Safety at Works Act 1974.

Management of Health and Safety at Works Regulations 1999.

The Provision and Use of Work Equipment Regulations 1998.

The Lifting Operations and Lifting Equipment Regulations 1998.

The Work at Height Regulations 2005.

The Personal Protective Equipment (PPE) at Works Regulations 1992.

The Manual Handling Operations Regulations 1992.

The Control of Substances Hazardous to Health Regulations 2000.

The Construction (Design and Management) Regulations 2007.

The Construction (Health, Safety and Welfare) Regulations 1996.

The Electricity at Works Regulations 1989.

New Roads & Street works Act 1991.

All other Acts, Regulations and Codes of Practice and Site Rules relating to the works will be observed.

2.0 Construction Methodology

The construction methodology outlines the principal demolition and construction works to be undertaken together with the proposed layouts and program. An overview of the techniques for demolition and construction are provided with a summary of the controls that will be put in place to mitigate environmental impact.

The process will need to be carefully managed to ensure that environmental impact, disruption to the local communities is minimized. This section discusses the extent of the construction works necessary to service the development and the measures that will be adopted to reduce these impacts.

The works have been spilt into the following phases:

- Phase One – Demolition Phase, a part of the of existing building, removal

of material, cleaning the site.

- Phase Two- Excavation of Foundations, erection of columns and Beams, Roof Decking for Ground and First Floor. (Completion of shell)
- Phase Three – Erection of walls, floors, electric and drainage works, complete in all respects.

2.1 Temporary Site Accommodation

Facilities such as temporary offices and works compounds, storage areas for construction materials and assembly areas for components of construction will be located away from the existing building.

Potentially hazardous materials will be stored in secure areas away from the proposed building.

The standard of fencing / screening generally will be selected to maintain effective site security and visual effect – laid out in a regular pattern and decorated in uniform pattern.

The following temporary buildings and provisions will be in place within the compound during the construction period:

- Site Office - 1 container incl. toilet
- Rest area for workers incl. toilet, container
- Open Storage area for delivery, unloading and equipment

2.2 Vehicle Access and Movement

Vehicular access to the site will be via Park Grove Road. All vehicular access will be controlled at the gate where all access and egress movements will be recorded. All site personnel and delivery drivers will have to undergo site induction prior to entering the site.

During the construction period the movement of following staff members and their vehicles will be temporary in nature consisting of:

- Vehicles owned and driven by site construction staff and by full time site supervisory staff and occasional professional supervisory staff
- Design team members and supervisory staff from utility companies;
- Materials delivery and removal vehicles.

2.3 Parking Strategy

A parking strategy will reduce the likelihood of complaints, enhance the corporate image, and increase the efficiency of operations, minimize the impact of deliveries by developing a travel plan & planning site logistics before the start of construction.

The concept to promote greener travel choices to workers and staff employees will be followed such as walking, cycling and public transport by displaying maps of nearest bike docking station and informing residents, visitors, and staff when roads and routes are diverted.

An appropriate amount of on-site parking will be provided to encourage staff to car share and to travel by the numerous public transport options serving the locality. However, the provision will be adequate to prevent overspill parking in the local area.

2.4 Pedestrian Access

The main site pedestrian access will be strictly controlled via a manned turnstile system or similar. The main pedestrian entrance is to be segregated from the vehicle entrance and be located at a safe location on the site.

It is anticipated that the contractor will stipulate that only Safe pass accredited or equal and approved personnel will be permitted on site. A record of all personnel on site, including visitors, with the time of entry and exit is to be kept on site by the main contractor.

3.0 General Environmental Provisions

This section identifies specific environmental provisions including traffic management, and describes the approach to sustainable construction, waste minimization, noise and vibration controls, air quality control measures, and surface water protection controls.

The Al-Raza Foundation Health, Safety and Environment (HSE) Management team already provides a framework for managing HSE risks. It ensures that the responsibility for day-to-day management is effectively communicated and cascade from board level to all worshippers, staff, whether office or site based, or sub-contractors. Starting with the Operational Framework, the HSE Management

System framework comprises a series of strategic and operational controls in the form of connected manuals and tools, supported by guidance, procedures and checklists.

3.1 Pest Control

The contractor shall take the necessary measures to ensure proper control of rodents. The following measures will be followed, as a minimum before start of work:

- Seal all disused drains and sewers correctly.
- Keep records of all the action taken and approvals received.
- Treat any pest infestation efficiently and effectively, and inform the Local Authority as soon as possible
- Make sure that no rubbish or rotting material builds up on the site. Where relevant, ensure that caterers pay careful attention to:
 - Handling and storing food items.
 - Storing, collecting and getting rid of waste food and associated material.

3.2 Impact of Lighting

Lighting pollution is considered a statutory nuisance, especially at night and during darkness hours in winter. Hazards include dazzling traffic and disturbance to wildlife.

- Check the direction of lighting.
- Ensure no reflection issues off surfaces which could affect areas outside the site.
- Where possible lighting should be switched off to avoid disturbance.
- Consider installing timers.

3.3 Safeguard Against Risk to Reptiles & Mammals

The site management team located to the project by the client will have to ensure that Best Practical Means in relation to safeguard against risk to reptiles and mammals will be implemented during the project. With the potential for reptiles / mammals to be encountered from areas surrounding the site during construction project although the risk deemed as being low, the following precautions will be

applied:

- Site fencing is already in place to segregate the construction / demolition areas. Hoarding will be of smart hoarding type this will form a large exclusion zone during construction. During demolition visqueen or similar at the base will be used to form a barrier.
- Educate all site operatives, particularly groundworkers and demolition contractors, on the potential for reptiles during Induction and Toolbox Talks ensuring they understand the actions to take.
- If reptiles/mammals are identified, works in the area are to cease immediately and mosque management will be notified.
- Al-Raza Foundation Site Management Team will report issue to a registered ecologist (Ecus) for advice / action to take.

3.4 Logistics Planning

During construction, it will be required that 24-hour security is provided on site to meet the requirements of the Fire Risk Assessment for the construction of building within the proposal.

All deliveries will be scheduled through the designated site team by the client, with the Gateman being made aware prior to the arrival of deliveries, this is to ensure that a banksman is available to control the access and egress of the vehicles through the main entrance.

Access to site for delivery vehicles will be via Park Grove. This is to reduce the impact on all neighbouring Roads. Due to tight site access some neighbouring Roads may be used under instruction of the site team manager.

Main delivery times of materials to site are to be coordinated with adjacent stakeholders. No parking or waiting will be allowed on the surrounding roads unless agreed in advance with the Local Authority.

3.5 Control of Dust, Noise and Vibration

It has been planned that dust from demolition activities will be controlled by point source dust suppression techniques, as well as damping down of stockpiles to prevent dust emission during dry, windy conditions.

Dust from general construction activities will be from the movement of plant on site, and dust created in windy conditions from stockpiles. Plant and vehicle movements will be on engineered haul roads and working platforms wherever possible minimizing dust. Dust arising from construction activities will be monitored and damping down will be employed as required to reduce the amount of dust during dry weather periods. Seeding of stockpiles may also be carried out to reduce risk of dust from stockpiles.

Wheel washing facilities will be used to reduce dust on roads that is generated from mud from the site, road sweepers may also be used where the site cannot accommodate wheel washing. Where wheel washing is used, this will be located within the construction site area and will be detailed on traffic management plans to suit the operational needs.

Noise monitoring will be established on site throughout the proposed works. The monitoring will be carried out in accordance with the permitted standards and planning consent and also in accordance with Safety, Health and Welfare at Work (Construction) Regulations 2013 Safety, Health and Welfare at Work Act 2005, BS 6187:2011 - Code of Practice for Full & Partial Demolition, BS 5228:2009 Code of Practice for Noise & Vibration Control on Construction & Open Sites, Environmental Protection Agency Act 1992.

Vibration monitoring will be carried out in accordance with BS 5228-1, 2009, Code of Practice for Noise & Vibration Control on Construction & Open Sites. Vibration max peak particle velocity (ppv) limits on site will be limited in accordance with BRE Digest 403 and the above-mentioned industry standards.

Operators of all mobile equipment will be instructed to avoid unnecessary revving of machinery and mobile equipment will be throttled down or switched off when not in use.

Accordingly, where possible all construction traffic to be used on site will have effective well-maintained silencers; and

All mobile plant will be maintained to a high standard to reduce any tonal or impulsive sounds.

3.6 Air Quality & Monitoring

Appropriate Air Quality and Dust monitoring will be carried out on a regular basis in accordance with planning conditions, and records will be kept of all such monitoring for review by the Planning Authority.

The main activities that may give rise to dust emissions during construction include the following:

- **Vehicles exiting site, will use a wheel wash to ensure dust emissions are not generated from tires. It will also prevent vehicles from carrying excess material onto public roads.**
- **Site roads shall be regularly cleaned and maintained as appropriate.**
- **Hard surface roads shall be swept to remove mud and aggregate materials from their surface as a result of the development works.**
- **Any road that has the potential to give rise to fugitive dust may be regularly watered, as appropriate, during extended dry and/or windy conditions.**
- On-site speed limits will be stipulated to prevent unnecessary generation of fugitive dust emissions.
- Material handling systems and site stockpiling of materials shall be designed and laid out to minimize exposure to wind.
- A complaints register will be maintained on-site and any complaints relating to dust emissions will be immediately dealt with.
- In periods of dry weather when dust emissions would be greatest, a road sweeper, which would also dampen the road, will be employed in order to prevent the generation of dust.
- Water misting or sprays shall be used as required if particularly dusty activities are necessary during dry or windy periods – see later; and
- If appropriate, dust monitoring will be carried out during the construction phase of the scheme. If the level of dust is found to exceed 350mg/m^2 day in the vicinity of the site, further mitigation measures will be adopted in the construction.

- No machinery will be started up before 7.30 am and none will be left running to warm up or cool down either first thing in the day or during break times.
- All machinery will be re-fuelled in a designated area which will be cordoned off away from the highway, watercourse and footpath and will have all appropriate bunds and spill kits.
- During construction scaffold will be used and this will be fully sheeted to help cut down on any debris being blown or falling from the upper floors, where a scaffold is adjacent to a road or footpath boarded out protection fans will be installed.
- All work will be planned well in advance and the local neighbours, businesses and authority will be kept up to date with work planned through a contractor newsletter which will be delivered out on an 8-week basis or as and when impacting changes will take place.

4.0 Waste Management

The management will manage waste and develop a SWMP in accordance with the waste hierarchy. Specifically, the amount of waste produced will be minimized using offsite construction techniques. Waste that is produced will be considered for reuse prior to consigning for recycling or disposal.

4.1 Demolition Waste

Waste from demolition will be segregated on site and sent for re- use / recovery except for asbestos contaminated materials.

4.2 Construction Waste

Waste from construction activities will be disposed of through a licensed waste management contractor. Contractors will be appointed based on their performance of recycling of mixed waste.

4.3 Excavation Waste

Waste from excavations works will be retained on site for use to reinstate playing fields on completion of demolition works. Excess / contaminated soils will be

removed from site as a waste.

The following principles will be employed:

- **Pollution from waste will be minimized by using the correct and safe storage of the waste.**
- **Segregation different types of waste as they are generated.**
- **Marking of waste containers clearly with their intended contents.**
- **Using containers suitable for their contents.**
- **Disposing of different wastes in the correct containers.**
- **Checking the condition of waste containers before use.**
- **Placing containers in impervious bunded areas (if required)**
- **Ensuring that containers are securely covered (If required)**
- **Preventing damage to materials during storage.**

Prior to removal of any waste from site, the management will carry out the following checks:

- **Check that the carrier's license is valid.**
- **Check that a copy of the carrier's license is recorded within the site documentation on-site.**
- **Ensure the waste carrier is authorized to carry the type of waste for disposal.**
- **Check that the receiving site is appropriately licensed.**

Ensure skips are covered when leaving site to prevent debris on road.

It is a requirement of the waste carrier to ensure that waste containers are safe and covered prior leaving the site to prevent deposit of debris on public highways. The management site team will monitor to ensure that skips are covered prior to removal.

4.4 Oil and Fuel

All oil and fuel will be stored in 1m³ fuel containers in accordance with specific UK Regulations e.g. The Control of Pollution (Oil Storage) (England) Regulations 2001 (OSR England).

4.5 Waste Keeping the Perimeter Clear at all times

These are very important matters for residents and contractor will take the necessary measures to always keep the surroundings clear and tidy, following and maintaining these simple steps to enhance the appearance of your site:

- Define access routes to and from site to always keep them safe and free.
- Communicate delivery times to suppliers and ensure they are suitable for the local community.
- Make arrangements to ensure roads around the site remain clean and safe e.g. road sweeping or wheel wash facilities on site.
- Install a wheel wash by the access/exit points to keep roads clear of debris and mud, reducing risks for other road users.

4.6 Quality & Environmental Management

In addition to the monitoring described above, the implementation and effectiveness of controls will be reviewed as follows:

- The Site Manager will conduct an inspection on general good order and security daily.
- The Site Manager will conduct an inspection of all environmental controls on a fortnightly basis, this will be alternated with the external inspection described below.
- The site manager will also conduct an inspection of all environmental controls on a fortnightly basis.
- The Contracts Manager or Regional Director will conduct an inspection of environmental controls monthly.
- The Quality & Environmental Manager will ensure the project will be audited for compliance with our Environmental Management System, controls which have been specified and legal requirements at least once during the project.
- A project meeting will be held monthly, to be attended by the Site Manager and Contracts Manager, to review the results of the above monitoring and

inspections. The effectiveness of the specified controls will be considered, and any actions required to improve the overall environmental performance of the project agreed and documentation updated accordingly.

5.0 Health & Safety

5.1 General Health, Safety and Environmental Consideration

Construction and demolition works will be carried out in such a way as to limit, as far as practicable, adverse environmental impact. Works will be carried out in accordance with the following general provisions:

- Planning approvals from the Local Authority.
- Requirements of the Local Authority.
- As part of the Construction Method Statement, the process will ensure that construction techniques and materials used are a fundamental consideration of the design and intended long-term use, the aim below is achieved:
 - Design for durability and low maintenance.
 - Design for flexibility and adaptability.
 - Use of materials from sustainable sources.
 - Use of local materials where possible.
- Safety, health and environmental issues on the development will be a primary consideration in the construction methods adopted. The construction team will develop detailed Health & Safety Plans, specific environmental, fire and accident procedures to suit the construction sequence and methodology of the development.
- Contractors involved in the development will ensure that all non-English speaking employees are provided with relevant Health & Safety information in their national language. All contractors will be required to adopt the relevant skills certification required for that element of the works. A Site-Specific Safety Statement and a detailed Construction Stage Safety & Health Plan will be compiled prior to any works on site and will be in accordance with the Health & Safety Authority and Local Authority guidelines.

5.2 Control of Substances Hazardous to Health

The strategy for controlling all substances and all work processes that may generate hazardous substances will be to address and have control measures put in place. Some of the control measures to be employed include the following:

- All fuel and chemicals to be stored in designated areas, with deliveries of hazardous materials supervised.
- Storage tanks and container facilities will be appropriately bunded.
- In the case of spills or discharges, remedial action will be taken as soon as possible in accordance with company procedures.
- Personal protective equipment (PPE) suitable to the pertaining conditions will be used by all site personnel.

5.3 Environmental, Emergency and Accident Procedure

Measures will be carried out to avoid environmental incidents, however if these occur then the following types must be reported to the responsible person in the construction team as per the Site Accident & Emergency Procedure. The overall strategy in the event of a spillage will be to 'Stop-Contain-Notify' in the event of:

- Spills or discharge to the atmosphere, water supplies, sewage systems and other watercourses, or to the ground:
- Any chemical products
- Oils or fuels
- Effluent/fumes and gases
- Waste or contaminated materials

Damage to existing:

- Trees and wildlife
- Flora and existing local habitats

Any environmental incidents that could lead to:

- Local Authority or regulatory enforcement
- Public complaint

Emergency routes and procedures will be continuously adapted to suit the construction sequence and stage of the Development. An Emergency & Evacuation

Plan will be prepared following the guidelines detailed below and updated on a regular basis during construction:

Definition of the management organization and responsibility for safety

Definition of appropriate fire prevention measures, including good housekeeping of site, welfare facilities and offices.

- Adequate provision of fire extinguishers across the site.
- Use of non-flammable/fire retardant materials for protection of finished works.
- Safe use and safe storage of flammable materials of all categories, whether solid, liquid or gas.
- Appropriate waste management procedures.
- Monitoring the type and frequency of fire inspections/audits.
- Development of evacuation plans, to include escape routes, muster stations, means of sounding alarms and general emergency procedures.
- Site safety inductions and fire drills.
- The provision of first aiders. Checking of emergency routes are always available and unobstructed.
- Liaison with the emergency services and occupants of the adjacent buildings.
- First aid facilities will be established and at least one trained first aider will be always present on-site. In addition, trained Fire Wardens / Fire Marshalls will be in place on-site to address fire safety.

6.0 Construction Activities

6.1 Control of Construction Traffic

The site manager or builder should have the power to take action to minimize and control any nuisance arising from construction traffic by using measures such as controlling vehicle speeds by means of a site wide speed limit, wheel washing of Heavy Goods Vehicles (HGVs) upon departure from the site and keeping all site entrances clean.

The impact of construction traffic on the surrounding neighbourhoods and

road network will be minimized by careful on and off-site management with designated public road routes and reducing the need to import/export materials/spoil.

6.2 Construction Signage

The following construction traffic signage will be erected and retained throughout the construction and installation phases of the project.

Direction signs for construction traffic:

- Rigid plastic 1000mm across
- Attached to posts of existing directions signs
- To be attached to existing directions signs at junctions with the purpose of directing traffic to the site along the agreed delivery route. The proposed size and format is intended to be clearly visible and understandable to drivers heading to the site.

Red Warning Signs – Caution Lorries Turning:

- Rigid plastic 600mm x 450mm
- Attached to a metal frame or equivalent
- To be placed along Park Grove at an appropriate distance in either direction from the junctions at Stockport Road to warn road users of HGVs liable to be turning into or emerging from the site.

Red Warning Signs – Caution Construction Traffic:

- Rigid plastic 600mm x 450mm
- Attached to a metal frame or equivalent
- To be placed along Park Grove at an appropriate distance in either direction from the junctions at Stockport Road with the purpose of warning road users of construction traffic entering or emerging from the site access.

6.3 Site Instructions

- Site working items Monday to Friday 8.00am – 6.00pm, Saturday 8.00am – 2pm, to be agreed with the council planning officer.
- Site to be fully fenced off with timber hoarding 2.4m high, the panels will

have viewing panel for the public to use. The hoarding will be erected using timber posts set in concrete and where required we will be constructed using weighted blocks for movement as and when required.

- The site will be registered with the Considerate Constructors Scheme and as such the hoarding will have signage showing this, in line with the CCS.
- A gateman will be present on site for every working day to ensure all traffic and pedestrian routes are kept clean, clear and safe, they will also help with deliveries and traffic issues and be on hand to liaise with the general public regarding any questions they may have about the project.
- The gatehouse which will be sat next to the main entrance to site will have a first aid kit, defibrillator, water and emergency route details. The gatehouse and the perimeter fencing will be monitored by an internal CCTV system for security and safety.
- Delivery of materials will be through a gated access point which will be manned during working hours, all deliveries will be unloaded off the road in a secure area on site / cordoned off area.
- A road sweeper will be used daily whilst the earthworks scope of work is carried out, once the site has had the ground stabilised a sweeper will be brought in as required to keep the highways clean.
- A logistic manager will liaise with all contractors to ensure deliveries are timed to prevent vehicle highway build up around site, they will contact the local highways to discuss access / egress and signage.
- The logistic manager will co-ordinate with the delivery companies to ensure they have details of the easiest and least disruptive routes into site, these will include updated road works or 'hot spots' and will give times for the drop off to ensure rush hours and school runs are avoided as much as is possible.
- Traffic routes into and out of site will be sent to all contractors so these can be issued to their respective delivery suppliers along with site contacts and holding areas off site details. The details of the routes into and out of site for delivery vehicles are identified on the accompanying documents.
- Site pollution will be managed to prevent spills into the existing drainage system, dust suppression used, machinery noise managed to mitigate

irritation to neighbours.

- All site waste will be managed through a local waste management company with the aim to reuse or recycle as much as possible, the contractor will produce a waste management plan which will be updated each month, all the contractors will be encouraged to eliminate waste at source i.e. plasterboards cut to suit, packaging removed or taken back with the delivery vehicle, pallets reused, etc.
- Site signage will be prominent with contact details for site management and security, manned security will be on site from 5.00pm to 7.00am.
- A letter drop explaining the project will be delivered to all local neighbours and any properties likely to be affected by the work, the local fire and police services.

6.4 Key Activities

It is intended, that subject to a successful grant of discharge of conditions, the proposed construction works will commence in 2nd week of July 2022. The construction phase is expected to be split over 30 weeks.

It is intended that the proposed development will be constructed in the following sequence highlighting key activities.

Secure site and set up boundary hoarding

- Clear site. Disconnect/divert services such as the water main and sub-station.
- Demolition of existing buildings and ancillary structures
- Foundation sub-structure works
- Construction of building frame of each storey of varying heights
- Cavity wall brickwork
- Interior fit out and building services construction
- External landscape works

6.5 De-commissioning

There are a significant number of existing services crossing and surrounding the site. These include Gas, Water, Electricity, Telecoms and Storm Water.

The concerned departments customer service officers will be contacting in 2nd week of May to convert the permanent utility connections into temporary connections until the construction work is completed.

6.6 Demolition and Waste Management

During the demolition stage, the use of “de-construction” techniques and methodologies to minimize the impact of noise, vibration and dust will be considered. Other good practice techniques to minimize dust migration include the use of fine sprays, wheel washing and careful management of debris/stockpiles.

Materials arising from demolition and excavation operations will be re-used wherever possible on the site. Materials unsuitable for re-use will be disposed of at licensed landfill sites.

The main demolition works will comprise the removal of the existing building structure. In addition, the main concrete ground bearing slab from the building will be demolished along with ancillary structures such as concrete steps, brick walls, ramps and other structures.

The main building structure is two storeys high, and it is expected that it will be demolished using plant machinery from ground level to avoid personnel working near, or within, the building during the demolition process. The contractor is to ensure that the removal of certain parts of the structure during demolition does not compromise the structural stability of the remaining structure and thus creating a health and safety hazard.

Waste materials will be grouped and segregated for removal off site to an approved licensed disposal/recycling facility.

In terms of demolition works sequence, the following is proposed:

- Secure and establish the site area (erection of site hoarding).
- Survey of existing services on site.
- Disconnecting/capping existing services.
- Diverting of existing water main.
- Removal of hazardous materials to a licensed facility.

- Demolition of existing building and ancillary structures.
- Landscaping/surfacing and removal of main hall concrete slab.

6.7 Excavation and Earth Work

Excavations for sub-surface structures will be open cut wherever possible. Temporary Works will be installed where required to support the excavation and existing building in proximity. Consideration will be given to the use of Permanent Works as temporary support to be incorporated into the finished structure.

It is envisaged that piled foundations may be required for new extended foundation. Due consideration will also be given to the potential environmental affects in particular noise, vibration and hydrology impact when deciding the foundation either piles or strip.

This building work do not require a significant volume of soil to be excavated to allow the construction of foundations. The visual inspection of soil from site confirms that there is no evidence of widespread contamination within the site.

The proposals involve the re-use of a small proportion of excavated material in the landscaping and re-profiling of the construction areas.

6.8 Substructure and Superstructure Construction

The proposed construction sequence of the structure is to be traditional bottom - u p construction.

6.9.1 Substructure Construction Methodology

The existing building is a single storey worship hall attached with the Toilets, Kitchen and Offices built in cavity brick wall and flat roof and RCC floors.

The ground floor level has been set based on the existing site levels and footpath levels at Park Grove. This will reduce the amount of excavation.

Foundations will be designed accordingly using the results provided by the ground investigation company for the site. It is anticipated that the foundation will comprise RC foundation strip over piles.

A pour plan will be proposed by the main contractor and agreed with the Engineer ahead of casting. This will outline the location of construction joints and the specific detailing of all water tightness installations.

Construction will be by traditional formwork and falsework methods with all temporary works being fully designed by a qualified chartered structural engineer acting as the contractor's temporary works engineer.

Planning restrictions on working times will be strictly adhered to in the basement construction operation. In this regard it will be important for the Main Contractor to schedule sufficient time to allow for any power floating required after concrete pouring.

6.10.2 Superstructure Construction Methodology

The superstructure is subject to detailed steel structure design, however given the nature and the height of the buildings, it will involve conventional construction methodologies, personnel, plant and equipment. It is anticipated that at this stage a concrete frame solution will be utilized for the scheme which provides inherent acoustic and fire resisting properties.

Once the superstructure reaches 2nd storey high, the lower levels can commence with external envelope and internal fit out works.

7.0 Drainage

A drainage system exists on site. It is recommended to design a new system as separate foul and surface water drainage systems. Foul water will be collected outside the building and sent to an existing network laid by the utility company. Drainage construction will be of traditional construction with clay drainage pipes installed in relatively shallow trenches, where appropriate and acceptable, the use of re-claimed materials will be used as back-fill.

8.0 Risk Assessments

The Manager/ builder should carry out Risk Assessments for each job. These Risk Assessments shall form part of the Health and Safety Plan. See Risk Assessment report.

9.0 Emergency Procedures

Site Management will devise suitable emergency procedures. These procedures shall be reviewed at regular intervals throughout the project and amended accordingly. These procedures shall form part of the Health and Safety Plan and be made known to everyone working on the site.

9.1 Emergency Procedures

The Principal Contractor will be responsible for the prevention and control of emergencies.

The Principal Contractor will prepare a Strategic Emergency Plan which will take account of the following issues:

- Type of emergency – fire, accident etc
- The type of work being done.
- The characteristics and size of the site and the number and location of workplaces
- The plant and equipment being used.
- The number of people likely to be present on the site at any one time.
- The physical and chemical properties of substances or materials on or likely to be on the site.

The Plan will also address the measures to be adopted to ensure that:

The likelihood of emergencies is as low as possible:

- Everyone on site can be alerted in an emergency.
- Everyone working on site knows what signal will be given if there is an emergency and knows what to do.
- Someone who has been trained in what to do is on site while work is in progress and will take responsibility for coordinating procedures.
- Emergency routes are available, kept clear and adequately lit.
- There are arrangements for calling the emergency services. The Fire Brigade know about any work in confined spaces or work and anywhere else where specialized rescue equipment may be needed.
- There is adequate access to the site for the emergency services and

that access does not become blocked by plant or material building up.

- Arrangements for treating and recovering injured people are available.
- If an emergency does arise, someone is posted at the site entrance or other prominent position so that they can direct the emergency services.

9.3 CDM Regulations

All designers, contractors and suppliers will be required to fulfill their obligations under the CDM Regulations which include co-operation with other designers and contractors, the Planning Co-ordinator, and the Principal Contractor in respect of health and safety matters.

The builder will be responsible for all safety measures adopted on site.

Prior to any work commencing on site all persons will receive a General Site Induction delivered by the Principal Contractor.

All construction workers, as a minimum must receive basic site safety awareness training and have a record of such training by an approved recognized body e.g., Construction Skills Certification Scheme (CSCS). All workers undertaking specified safety critical duties must have received training specific for the task to be undertaken by an approved recognized body.

10.2 General Provisions and Implementations

The construction works will be carried out in such a way that public inconvenience will be minimum on front footpath. The disruptive effects of construction on Road will be minimized developed by delivery wagons / trucks. All diversions/replaced rights of way will be notified in advance and where appropriate temporary routes will be provided.

Site boundary hoarding/fencing will be erected to prevent unauthorized entry.

Suitable access and egress gates will be installed with security guards in attendance.

Although it is believed that there will be no delivery of large pre- planned loads or abnormal load but if there are, they shall be organized with the assistance of

traffic police.

The control measures identified in this report will be implemented by the following means:

- Relevant information will be communicated to sub-contractors before an order is placed during a pre-contract meeting. An order will only be placed with a sub-contractor following a commitment that they will work to the control measures specified. Where they are required to appoint specific plant, equipment, or specialist resources this will be stated in their contract.
- Sub-contractors will be required to submit a detailed method statement for all works they undertake stating detailed control measures. This will be reviewed and authorized by the Site Manager prior to the commencement of operations.
- All sub-contractors will be required to monitor their own works and provide a permanent on-site Supervisor. Where many operatives are provided, Supervisors will be required at a ratio of 1:8 with site operatives.
- All site operatives will be required to attend a site induction before undertaking any work. The induction will be conducted by the Site Manager and will include all control measures site operatives are required to work.
- The Site Managers will walk the site daily to monitor the works and implementation of the specified controls. Where actions are required to further implement controls these will be raised with the sub-contractor's supervisor. If required, they may use a red / yellow card disciplinary and or toolbox talks to improve the implementation of the specified controls.
- Any incidents or visits from regulators will be reported to the Group.

11.0 Conclusion

This Outline Construction Management Plan sets out likely and anticipated construction methodology and phasing which have been developed for the main builder prior to the commencement of construction on site.

To ensure that all the above measures are implemented, all staff are to be trained in the requirements of the Management Plan and be fully aware of their

individual roles and responsibilities. Regular audits are to be undertaken on site to ensure that environmental protection measures are being implemented and are effective.