LOGISTICS

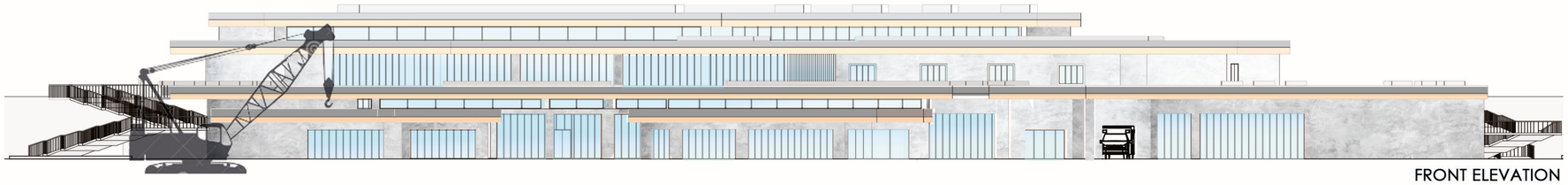
MASTER PLAN CONSTRUCTION PHASING

PHASE 1
Excavation of land

PHASE 2
Widening the existing approach road towards the site to make way for construction vehicles.

PHASE 3
Construction of the Sanctuary Bath house and the surrounding landscape and parking.

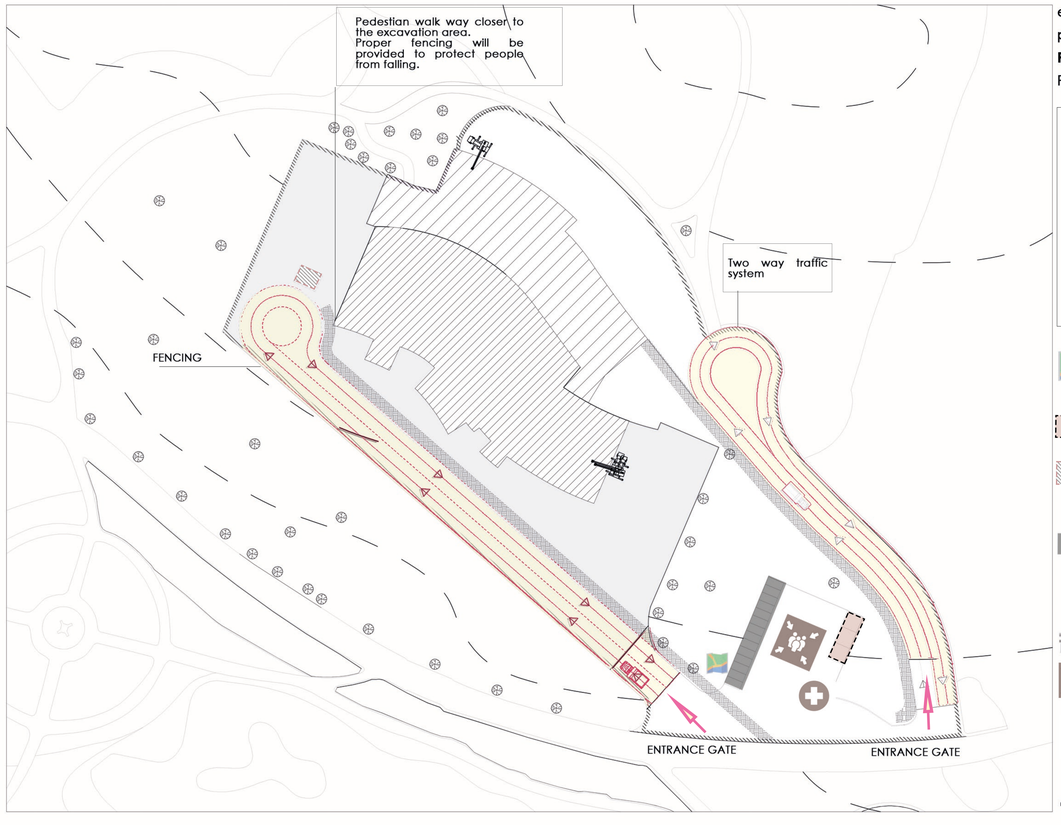
NOTIFY HSE
Health and Safety Executive (HSE) should be notified before construction starts as the work is expected to last longer than 30 days. The notification would be sent to the HSE office nearest to the site using HSE's website: www.hse.gov.uk/



FRONT ELEVATION

RISK ASSESSMENT:

RISKS	ACTIONS
1. Collapsing of earth from the sides during excavation.	Supporting the sides of the excavation to reduce the risk of collapse. Plant movements will be controlled and top blocks will be used where ever necessary.
2. Construction workers and others falling into the excavation.	Fencing will be provided to protect people from falling in to the excavated area. Safe means of access and egress will be arranged into the excavation.
3. Transportation hazard like being struck by vehicles.	Provide a plan of the workplace at the entrance and at other appropriate points. One way traffic system will be followed to control traffic around the site. Providing proper lights for the routes. Provisions will be given for pedestrian routes and crossing.
4. Falling or dislodging of materials	Loose materials may fall from spoils and heap into the excavation. Edge protection with toe boards or other means such as sheets or side boxes will be provided.
5. Plant and vehicle extra loading makes the sides of excavation more likely to collapse.	Provision will be taken to operate the plant and vehicular movement away from the excavation area
6. Construction noises.	Noise levels on the site may be at a level which could damage the biodiversity of the Alexandra parade area. Design will be substituted with less noisy process. People will be removed from the vicinity of noisy work areas and loud equipments will be replaced with quiet ones. Provisions will be made for monitoring and reducing the noises on the site.



CONSTRUCTION SITE LOGISTIC MOBILIZATION

PROJECT INFORMATION

Procurement Route – This project will be approached from a traditional route inorder to reduce risks for the client, as any financial risks will be managed by the contractor. All the drawings, work schedules, bills of quantities will be given to the client for inviting the tenders to select a contractor for their project.

Contract Type – Standard Building Contract with Quantities (SBC/Q) is appropriate for this project, so this will be chosen as a part of the traditional procurement route. Construction works are substantial and complex in scale and the overall design of the works is provided by the employer. This will help to highlight the main articles that apply to each party involved as well as stating the main declaration of what each of the parties have agreed to and set out.

BASIC AMENITIES FOR THE CONSTRUCTION SITE

Water supply to the site will be used from extending the existing water pipes of Scottish Waters using appropriate pipes.
Power supply will be taken from the electrical board Scottish Power using new overhead wires.

BSI Codes

BS 8000-1: 1989 Excavation and filling
BS 8000-2-2: 1990 Concrete work. Sitework with in situ and precast concrete
BS 8000-4: 1989 Waterproofing
BS 8000-6: 1990 Slating and tiling of roofs and claddings
BS 8000-7: 1990 Glazing
BS 8000-13: 1989 Above ground drainage and sanitary appliances
BS 8000-14: 1989 Below ground drainage
BS 8000-9: 2003 Cementitious levelling screeds and wearing screeds]

Map of the construction site

Officie and other facilities

Storage for receiving and all the materials and equipments.

Car and van parking.

Excavation area

Pedestrian levelled walk ways.

Emergency assembly area.

First aid box area with the required amount of first aid materials and

Crane standing area.

6. LANDSCAPE AND PARKING:

All exterior hard and soft landscaping will be carried out. Temporary site compounds moved to another location to accommodate this.

5. INTERIOR FINISHES

Commissioning all the interior essential equipments and finishes including mechanical piping, ductwork and

4. FAÇADE

All Prefabricated building façade elements including curtain walls window glazing, skylights will be installed.

3. SUPERSTRUCTURE

All concrete ramps, concrete walls and columns erected with reinforcement utilising the formwork and necessary falsework. All electrical conduits, plumbing essentials will be built into the superstructure to avoid drilling.

2. SITE PREPARATION AND FOUNDATION

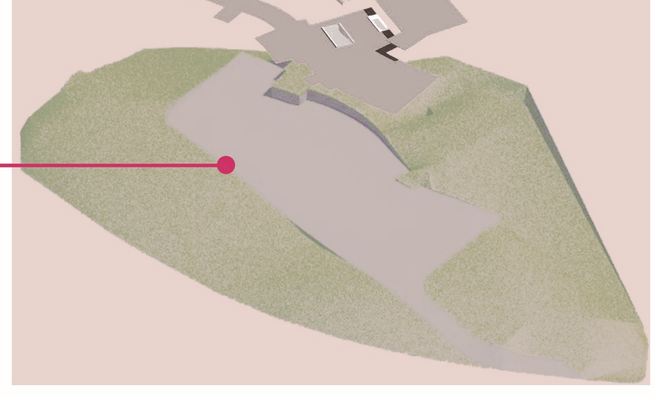
SITE PREPARATION:
Before any work commences unsuitable materials like wood, roots and topsoil will be removed from the ground to be covered by the building and the ground immediately adjoining the building. Solum should be laid not lower than the highest level of the adjoining ground is not possible in this case. Since the chosen site has a slope, Solum has to be laid to an outlet in the under building above the lowest level of the adjoining to present any water build-up below the building.

FOUNDATION:
Understanding of the critical nature of the geotextile. Geotechnical investigation of the site should be carried out to obtain information on the physical properties of soil earthworks and foundations for the proposed structure. A topsoil test for contamination should be carried out.

1. MOBILIZATION

The contractor will move construction equipment to the site and it will remain on the site for extended periods during the project duration and uses as needed. Office buildings and other necessary general facilities for the contractor's operations will be established.

7. Demobilization:
Dissembling, removal and site clean up of offices buildings and other facilities assembled on the site.



CONSTRUCTION SEQUENCE