SITE MANAGEMENT PLAN

FOR

THE LEONARDO BUILDING

CRAWLEY BUSINESS QUARTER
FLEMING WAY
CRAWLEY
1.0 **Project Description**

The project consists of the building of a new 4 storey office building, along with provision of new hard & soft landscaping.

2.0 **General Objectives**

The controlled movement of traffic and pedestrians involved in the project is imperative to the correct running of the site.

The health and safety of all operatives, vehicles and pedestrians accessing the site shall be maintained at all times.

The control of traffic movements around the site and lifting and storage of materials must be maintained to provide a safe working environment.

The control of security at the site is to be implemented to ensure the passage of vehicles onto the site is monitored, therefore avoiding a build-up of traffic on the adjacent highway.

The control of vehicle debris (i.e. dust, mud and oil) must be controlled to provide minimum impact on surrounding property and highways.

3.0 **Vehicle Traffic Movements**

3.1 **Site Entrance**

There will be one site entrance/exit for the construction site which will be the existing entrance.

The entrance from Crawley business quarter will be controlled by a security gateman located within a security hut at the site entrance.

During the hours of site operation the site entrance gates will remain open and vehicle access onto site will be controlled via a manual barrier, set back from the road to prevent vehicles parking on the access road & Fleming Way

The barrier will be controlled by a security gateman at all times and all drivers will have to register upon entering and leaving the site. Drivers will also be given verbal instruction as to the correct access to be taken onto the site (may be dependant of construction site activities)
The security guard will be in radio contact with site reception and management and can therefore direct traffic to the correct location on site, advise site of traffic build-up on the access road, and ensure unwanted vehicles do not access the construction site.

3.2 Site Exit

The site exit/entrance will have security gates which will be closed when the site is not in operation.

4.0 Vehicle Movements on Site

4.1 Control of Vehicles

The amount and types of vehicles used on the construction site shall be varied comprising of delivery vehicles, and those remaining on site for fixed periods such as 360° excavators, dump trucks, forklifts, cranes etc. All these vehicles will require co-ordinating both by Bowmer and Kirkland and the sub-contractors to whom the vehicles belong.

All subcontractors must identify the type and number of vehicle they anticipate to use during their works.

A site speed limit not exceeding 10mph will be enforced at all times.

All plant/lifting equipment being operated on site is to have a current certificate of Thorough Examination and certificate of E.C. Conformity.

All persons operating plant/lifting equipment are to supply a copy of their current Training Certificate/Licence.

When not in use all plant/equipment is to be left in a safe and secure condition.

If fitted, all plant on site must use flashing beacons when transiting the site. If fitted it must be operational.

All plant/lifting equipment is to be fitted with an audible reversing alarm (under planning conditions the alarm will be white noise where possible)

All dumpers are to be fitted with a safety belt which is to be worn by the operator.

Generally the site will operate a one-way traffic system (see site plan), however if site operations do not allow then a turning point will be provided.
Where conditions dictate that provision of turning point is not practical then a banksman must be used to assist vehicle/plant when reversing.

4.2 Traffic Movement

All site roads where possible will be wide enough to enable vehicles to pass. Where not possible suitable signage will be provided regarding priority.

Signage will be provided at junctions to indicate priority and direction of traffic flow.

Vehicles requiring to park on site will do so in a designated parking area.

Delivery vehicles and other site traffic will proceed around the site via the access road to the designated storage areas. This route will be restricted to 10mph.

5.0 Pedestrian Traffic

Pedestrian access will be via the security gate house. All pedestrians will have to pass the security gate to access the site. All operatives will be required to sign to register entering and leaving the site. Instruction will then be given by the security gateman of the correct pedestrian route to the construction site/welfare facility.

The pedestrian route to the site will be via a dedicated walkway and crossing point to the site compound.

A single fenced route will lead from the site compound/welfare facility to the site. This route will be signed with safety/instruction signs.

The pedestrian site access will be signed to warn pedestrians they are crossing the access / haul road and conversely signage will be erected on the access road to warn drivers of the crossing point.

6.0 Parking

All site parking for contractors will be restricted to the dedicated parking area on site.

No parking will be allowed on the operational area of the construction site.

Vehicles may park temporarily on site to unload stores/tools.

By using a dedicated car park for contractors parking is kept away from construction operations.
Visitor parking will be provided in front of the site offices.

7.0 Site Storage

Site storage will be located as close as possible to the area of work where they are required whilst maintaining all access routes.

All areas are accessible by both delivery vehicles and by crane or forklift for distribution.

8.0 Material Deliveries

Access to the site for delivery vehicles will be restricted to site working hours and to avoid, where possible, peak traffic times.

9.0 Site Terrain

Where possible external works will be progressed early in the construction programme to give clean and stable access roads. Where this is not possible hardcore roads will be provided.

Surfaced access roads and haul roads will be cleaned by mobile road sweepers.

10.0 P.P.E

It is a site requirement that all operatives and visitors accessing the construction site wear high visibility clothing at all times.

Appropriate signage will be displayed at site entrances.

11.0 Maintenance of Adjoining Highways

To maintain the adjoining highways in a clean condition it is intended to use mobile road sweepers to control both dust and mud.

It is intended to progress the installation of the base course to the carpark & access road at a very early stage of the contract directly following the completion of the ground works, therefore promoting the use of mobile sweepers on a daily basis both on and off site to keep the site and adjoining highways clean.

In the interim period until completion of the base course vehicles will be manually cleaned by pressure washer prior to exiting the site, to supplement the use of mobile road sweeping.
11.1 Dust Control

To minimise the nuisance of dust generated by the construction operations the following operational constraints will be implemented.

Where hard surfaced roads are constructed the roads will be regularly swept to prevent a build up of dust and debris (As detailed above)

Traffic speed on site will be monitored to prevent the generation of dust, not exceeding the site speed limit.

Construction methods will be reviewed to limit the generation of dust i.e. wet cutting in lieu of dry cutting where practicable.

Control of dust will be implemented on site by the use of a towed bowser unit to dampen site access and haul roads.

Plant and equipment will be selected to minimise the generation of dust

Dust migration to adjoining properties will be restricted by the use of debris netting fixed to all the perimeter fences

12.0 Site Accommodation

The site office accommodation and welfare facilities will be provided within the site boundary.

13.0 Site Lighting

It will be necessary from a health and safety issue to provide external lighting to the site office and welfare compound and to light the access route from the construction site to the compound to provide safe access and egress to the site.

This would be achieved by the use of roof mounted external lighting on the modular single storey office units, and by single storey lighting columns to the car park area. Any temporary site lighting will be position where possible to prevent light pollution to adjoining properties. The lighting to the site access routes will only be required when the site is in operation.

If there is a requirement to provide external task lighting by the use of flood lights to complete works of an extended time frame (i.e. extended concrete pouring operations outside of the site operational hours) then specific lighting will be utilised for the task by prior notification to the Local Authority.

General circulation lighting and task lighting for construction operations will be within the building profile and will be provided primarily by fluorescent tube lighting.
14.0 Noise Management

Noise and vibration on the construction site has the potential to cause disturbance, inconvenience and also has the potential to be hazardous to health. It is therefore intended to take the following actions to limit the impact of noise from the construction operations.

Where reasonably practicable working methods and plant selection will be reviewed and chosen to provide the quietest option.

Noise and vibration will be treated at source where possible by the substitution of noisy plant and processes for less noisy alternatives.

On site noise levels will be regularly monitored.

Specific risk assessments will be undertaken which will determine the use of specific PPE to be utilised where operatives may be subject to high noise levels. (In accordance with current H&S guidelines)

Where possible plant and equipment will be sited away from noise sensitive areas.

Plant equipment will be sound reduced to reduce the impact to the operator and the environment i.e. by the use of acoustic mufflers on pneumatic breakers, silenced generator sets etc. Plant will be operated to provide the best acoustic performance i.e. not over revved, operated with engine covers closed, and not left running unnecessarily.

Plant and equipment will be regularly maintained to provide their optimum acoustic performance.

15.0 Environmental protection

No burning of waste shall take place on the site.

The site will be registered under the considerate constructors scheme and as such a contact telephone number and name will be displayed at the site entrance, this contact number will also be submitted to the CPA and the local EHO at commencement of works. Local residents & adjacent properties will also be kept informed of operations on site and personnel details via a regular newsletter.
16.0 Site logistics plan