Hampton by Hilton Heathrow
242 Bath Road **Hayes UB3 5AY**

PROJECT OVERVIEW

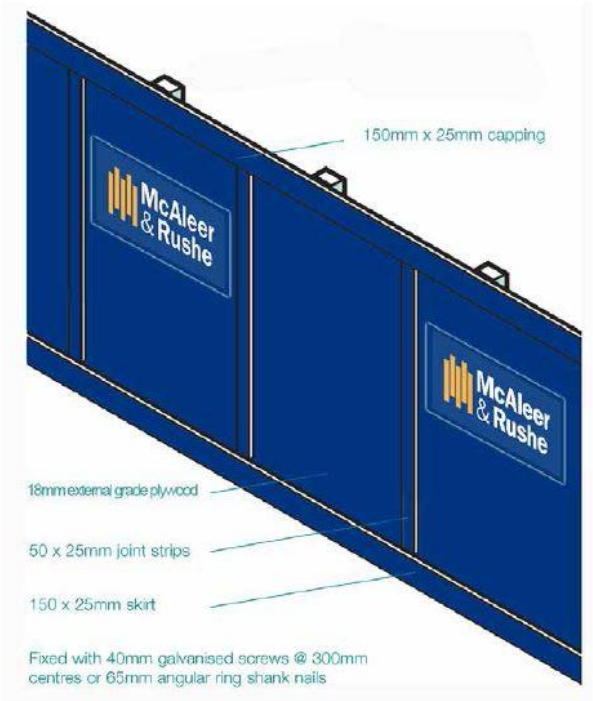
The site is bounded by Bath Road to the south, Egerton Way and rear gardens of residential properties to the North and existing office accommodation to the west and east.

The development comprises the construction of a new Hotel, The construction of 5 storey RC Frame consisting of 157 Bedroom Hampton by Hilton Hotel and 69 space basement car park, complete with public areas, reception, restaurant, bar and associated back of house areas, with hard and soft landscaping.

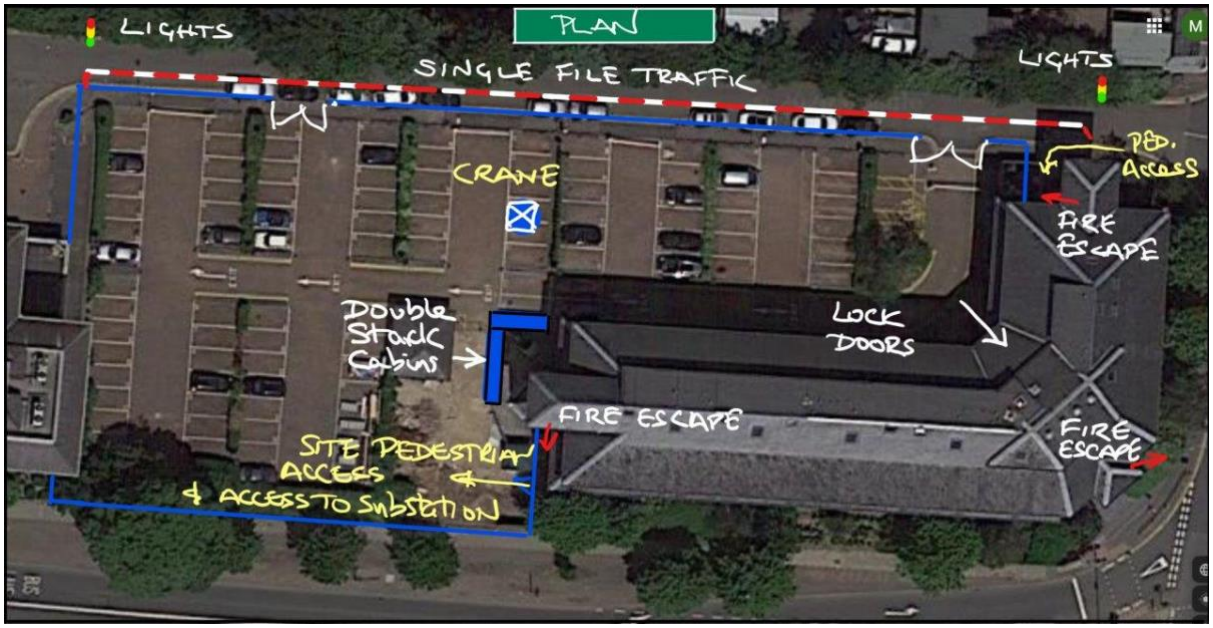
Method of Works

Site Hoarding

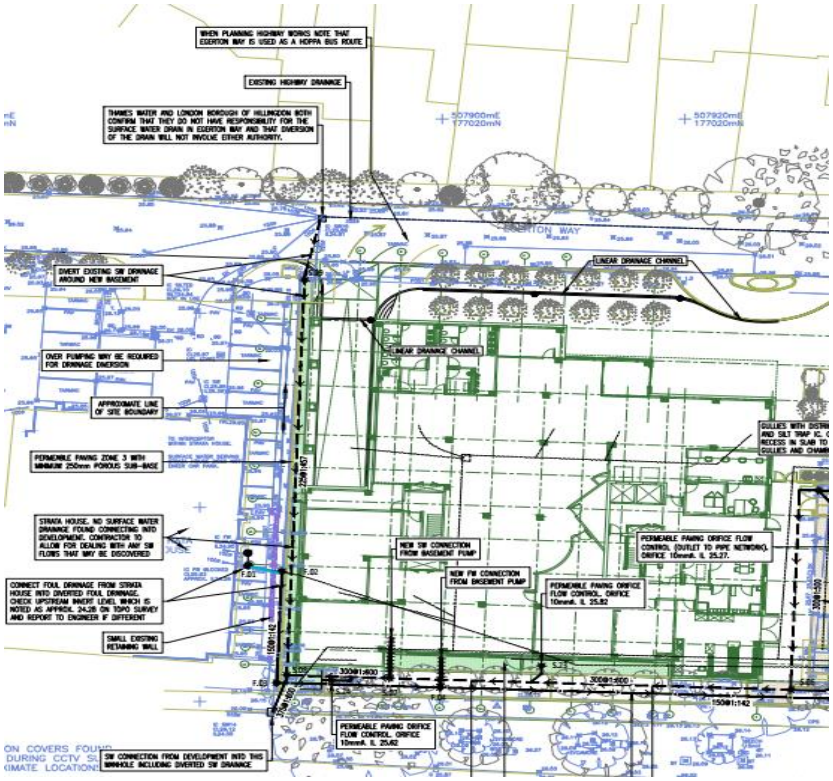
Take possession of site, by erecting site hoarding around the site to protect and safely segregate the public from construction works, the site boundary will be defined and segregated by a 2.4m high timber hoarding, with graphics to MAR specification. As McAleer & Rushe, will have our Temporary Works Engineer confirm its integrity prior to commencement of construction.



Site welfare
Site welfare cabins will be put in place within the site area
See image of double stack cabins



Sequence of Works
Drainage diversions will take place by our appointed sub- contractor.
This consist of new foul drainage connection from Neighbouring building Strada House to the site diversion, also Storm water diversion from Egerton way west of new site, to allow the new site basement to be constructed.
See attached drawing

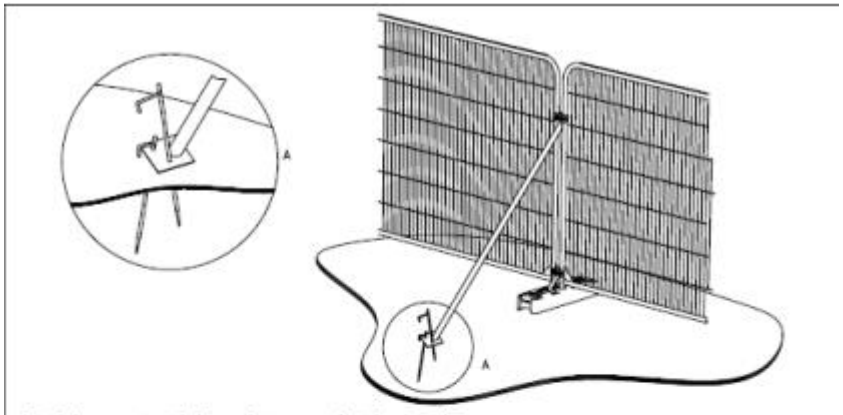


Tree Protection

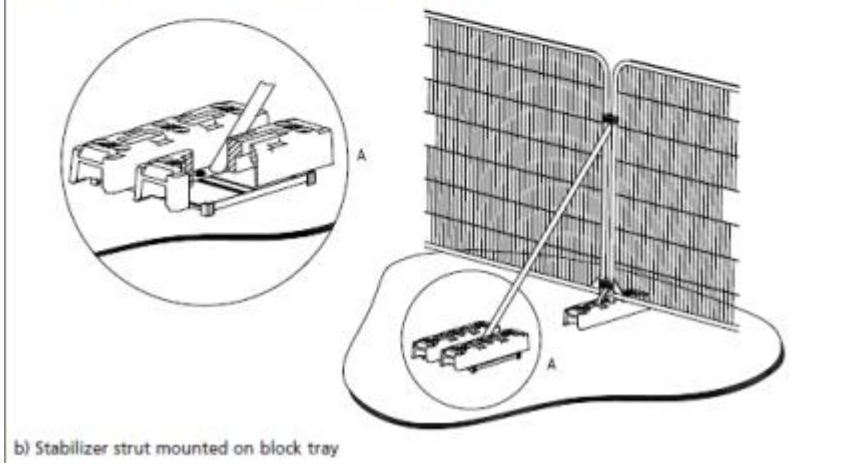
Tree protection will be put in place due to the site survey carried out by Arboricultural Consultants.

All trees to be retained on site should be protected by barriers and ground protection where applicable. Barriers should be in place before any materials or machinery is brought onto site. Once in place, barriers and ground protection should be considered sacrosanct and should not be altered or removed without prior recommendation by an arboriculturist and approval of the local planning authority. Barriers should be fit for excluding construction activity and appropriate to the degree and proximity of work taking place around the retained tree(s). Barriers should be maintained to ensure that they remain rigid and complete.

See attached type of fencing that will be put in place



a) Stabilizer strut with base plate secured with ground pins



b) Stabilizer strut mounted on block tray

Demolition Works

Small redundant Electrical Sub Station within the site, built in red brick will be demolished phased in the construction works,

Constructions Works

A reduced dig will take place within the new site area this is to allow the piling and new formed basement be constructed, also the new drainage will be taken into place as well.

SUBSTRUCTURE

MAR will commence the construction phase following completion of Ground level carpark being removed.

Remove existing hard stand

Disconnect old drainage and re connect new (Drainage Diversion)

Do all excavation Reduce Dig,

Piling Mat, Probe ground prior to pilling

Piles &Foundations,

Attenuation tank

Piling

A piling mat will be installed by Sub contractor in the lower level location.

There will be the installation of the piles for foundations, for the crane base, and a Contig piled wall to the full perimeter of the Basement. CFA piles will be used through the rest of the site.

SUPERSTRUCTURE

This phase includes the construction of a 5-storey reinforced concrete frame.

On completion of the basement slab and formation of the vertical elements on basement level, our specialist Concrete Frame Contractor will erect table formwork to support the slab above, which will be formed in-situ. Edge protection will be fixed as required as the frame progresses. Once in place, steel fixers will move onto the decking to place the reinforcement.

ENVELOPE

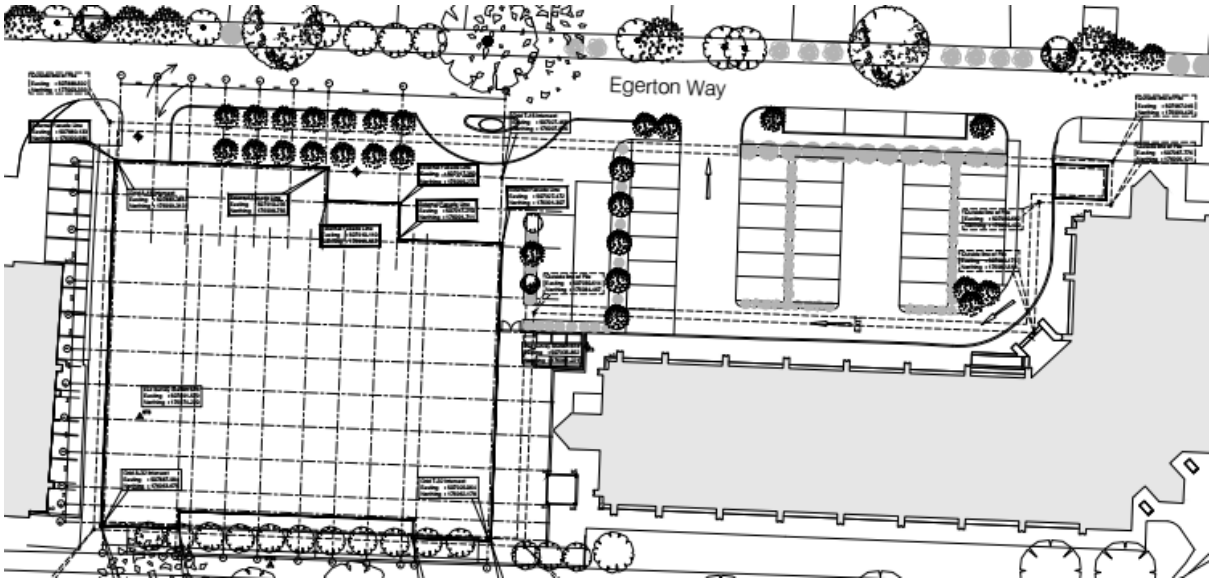
The envelope works will be sequenced with the progressive completion of the structural frame. The external envelope / facade for The Hampton by Hilton Hotel, is a combination of MetSec, hand laid brick, curtain walling and windows. Scaffold/ Mast climbers will be constructed around the perimeter of the frame to provide access to work on the façade. The scaffold will be designed and installed, during the stated working hours for the project, by a competent scaffold contractor as per the 'Work at Height Regulations 2005' and wrapped in fire retardant monarflex compliant to LPS 1215.

ROOF CONSTRUCTION

The concrete roof slab will have outlets cast in-situ. These outlets will be connected to the internal rainwater system. Insulation and a waterproofing membrane will be used to finish the roof build up and electronic testing will be used to confirm the integrity of the membrane, with any defects addressed appropriately. The terrace areas will then receive their specified finish material of paving slabs or decking as part of Blue roof system

INTERNAL WORKS

Partition installation and first fix joinery will work alongside the first fix M&E.
On completion of the first fix M&E, partitions will be closed up and second fix trades will follow the established sequence through the apartments. This phase will involve the formation of ceilings, skimming of rooms, laying of floors and fitting out of bedrooms followed by the electrics and plumbing 2nd fix

EXTERNAL WORKS

Landscape works and S278 works will be carried out with the new ground level carpark, white lining will be carried out to indicate the carparking bays.
See attached new plan