



Construction

Consultancy

Collaboration

Completion

40 Station Approach

Ruislip

HA4 6RZ

Logistics Plan



Site Reference

40 Station Approach
Limited
Ruislip
HA4 6RZ

Client

Albion Housing

Date

21.10.2020

Report No.

RTCL-40SA-005-01

Revision	Compiled By	Checked By	Amendment	Issue Date
01	R. Thorpe BSc (hons) MSc MCIOB	-	-	26.08.20
02	R. Thorpe BSc (hons) MSc MCIOB	-	-	22.10.21

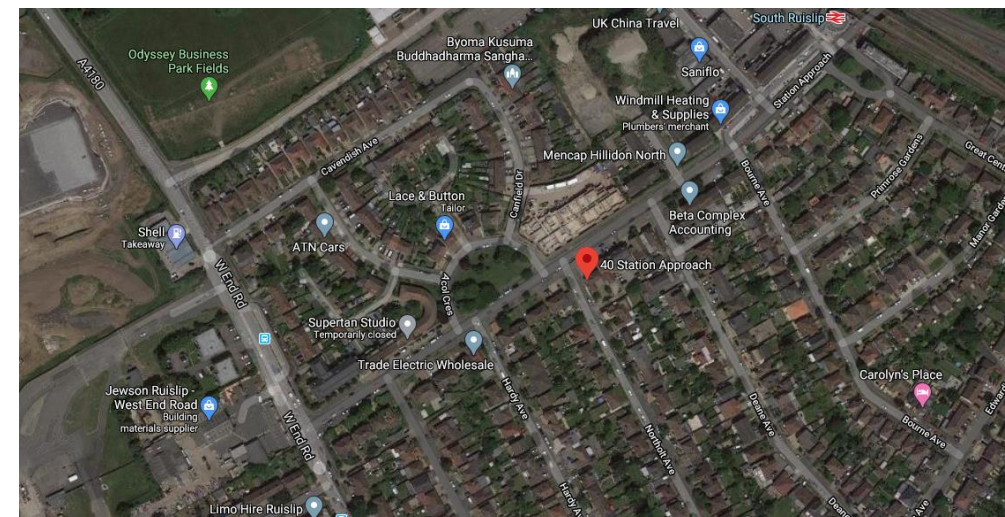
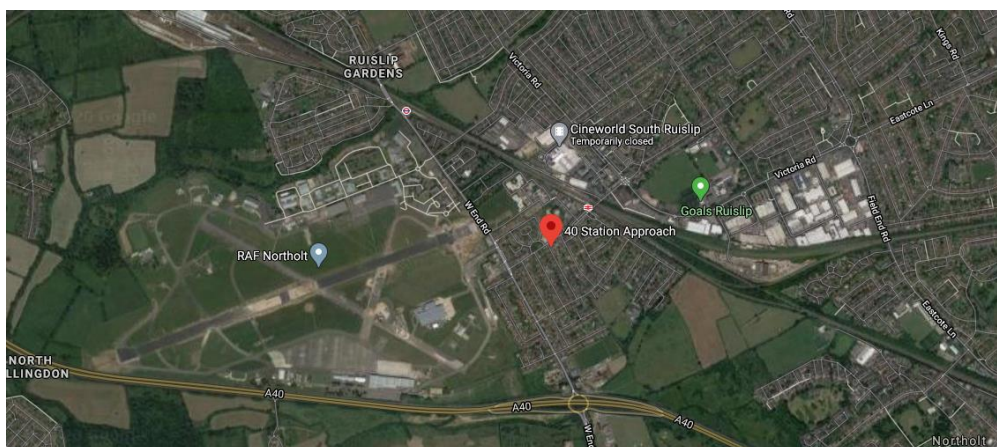
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Some of the information presented within this report is based on third party information which is believed to be correct; no liability will be accepted for any discrepancies in accuracy, mistakes or omissions in such information.

Site Details

Location

The site is in Ruislip, 400m east of RAF Northolt Airport. It is bound by Station Approach to the north, Northolt Ave to the west, by residential buildings to the east and by a service road to the south.



To develop the logistics plan, the following scope of works has been assumed:

- Full demolition is required.
- Excavations and muck away is required.
- Piling is not required.
- Concrete pumping is required for substructure and superstructure works.
- Brickwork Façade is installed by scaffold.
- Roof hot applied. No crane requirement.
- HGVs will be required for delivery of larger items such as kitchen joinery and plasterboard.



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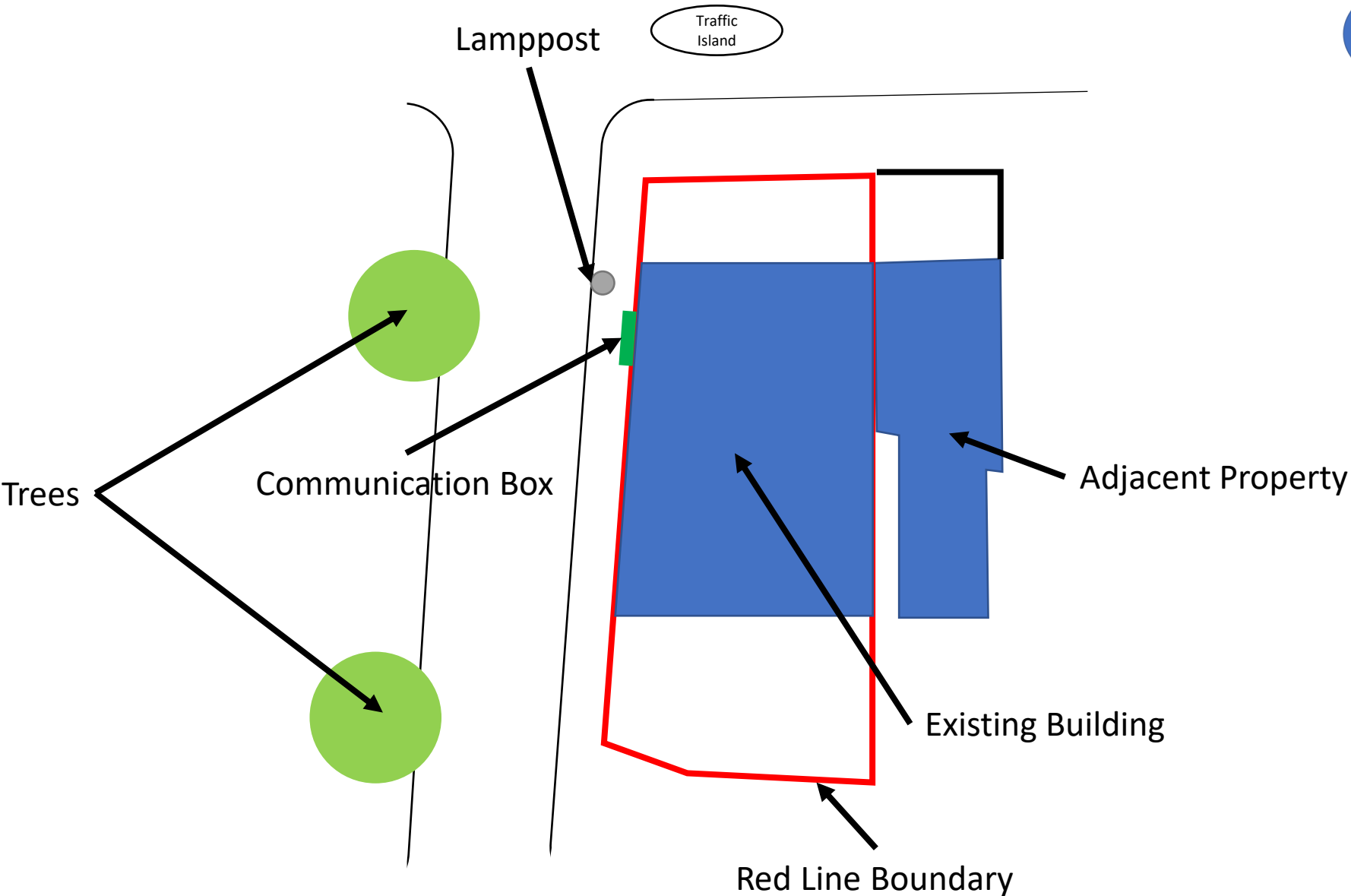
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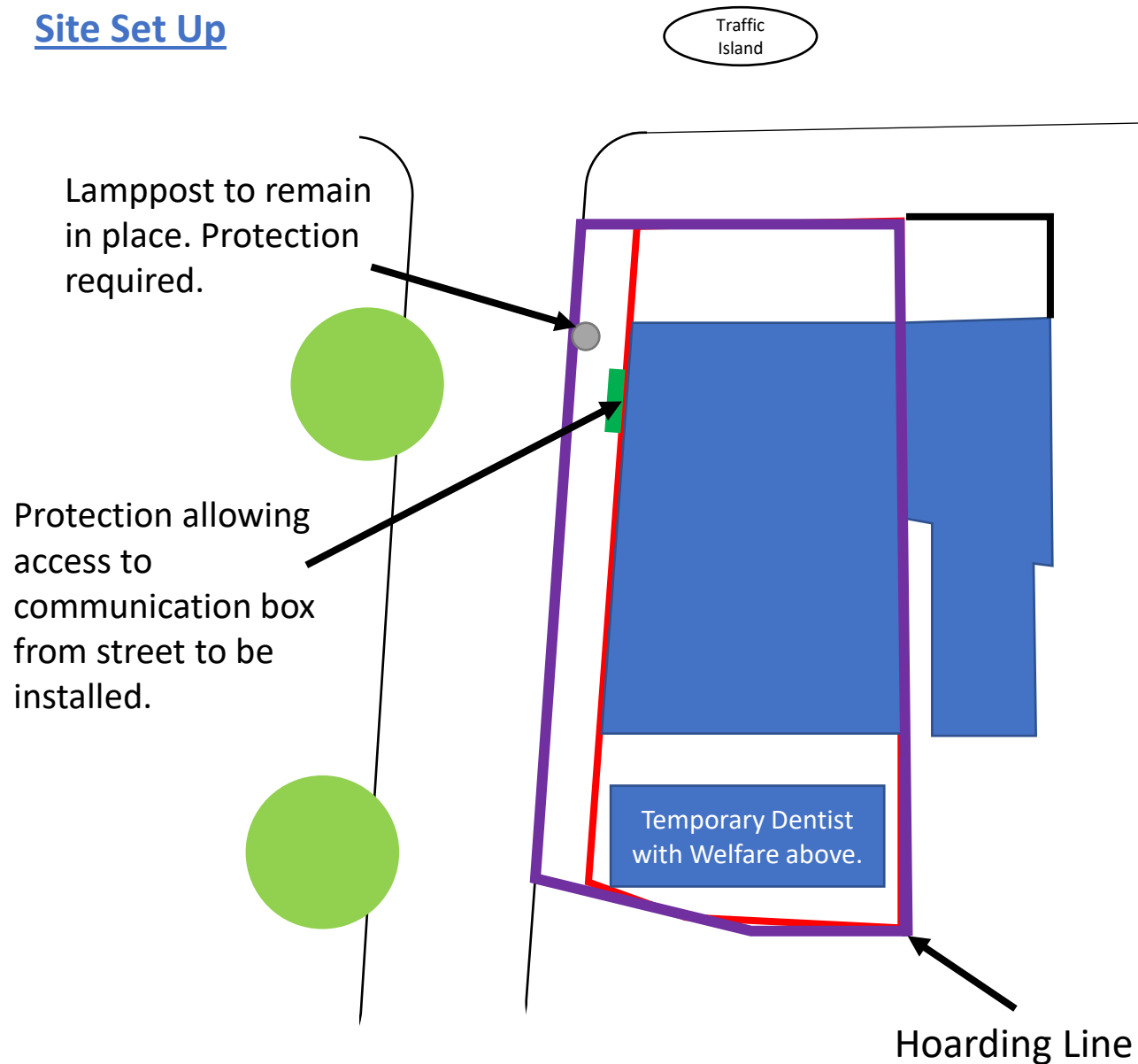
Phasing

Site Layout



NB: Sketch not to scale

Site Set Up

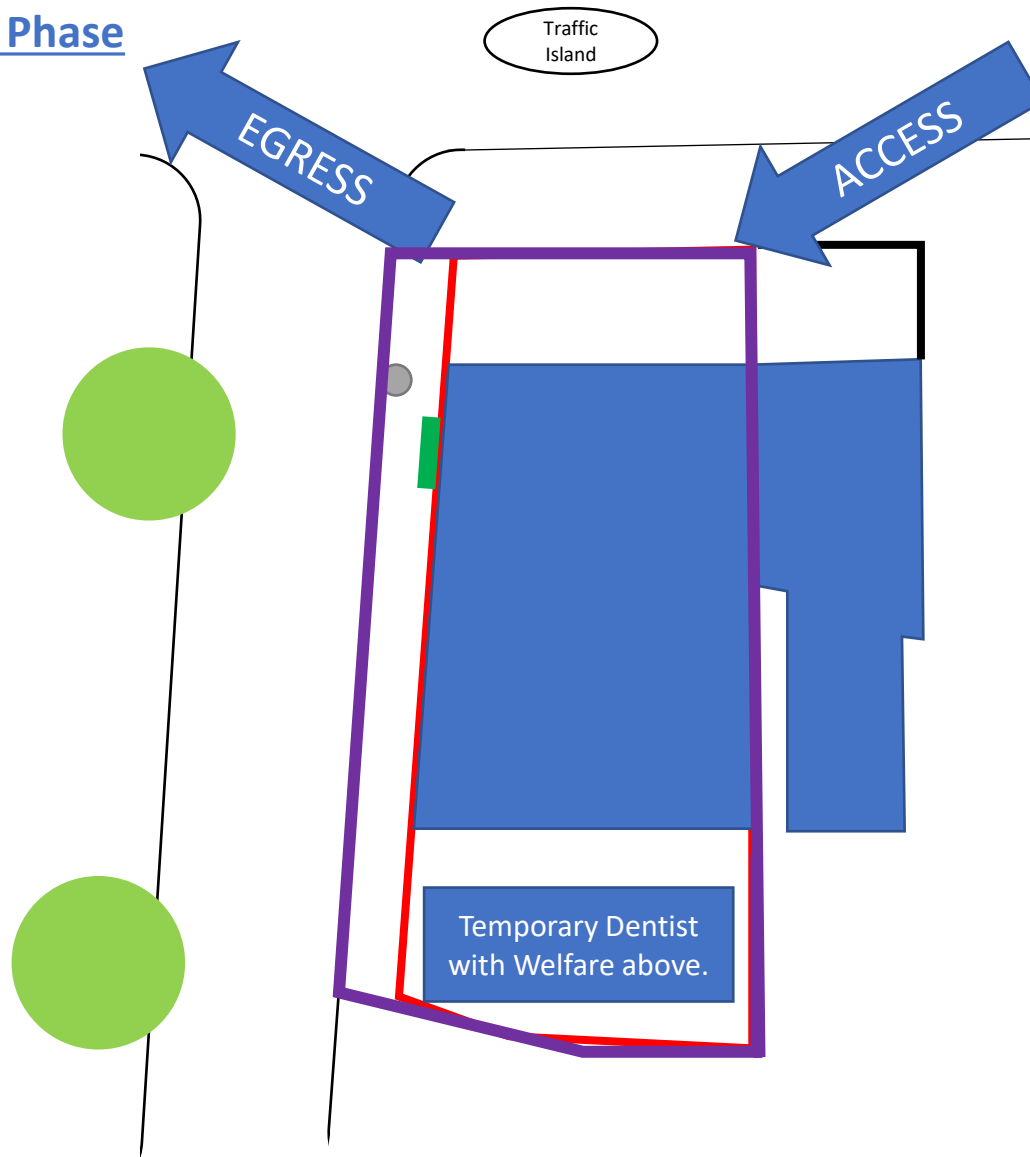


As the façade facing Northolt Avenue is inline with the Red Line Boundary, it will be necessary to occupy the pavement during the demolition phase to ensure suitable segregation between demolition works and general public.

A temporary unit will be established to the rear to enable the dental practice to carry on operating during construction activities. The site welfare unit will be established on top of this unit with access provided via a separate temporary staircase.

As the area to the rear or the building will be occupied with the temporary Dentist surgery, demolition works will work from Station Approach. This includes access and egress.

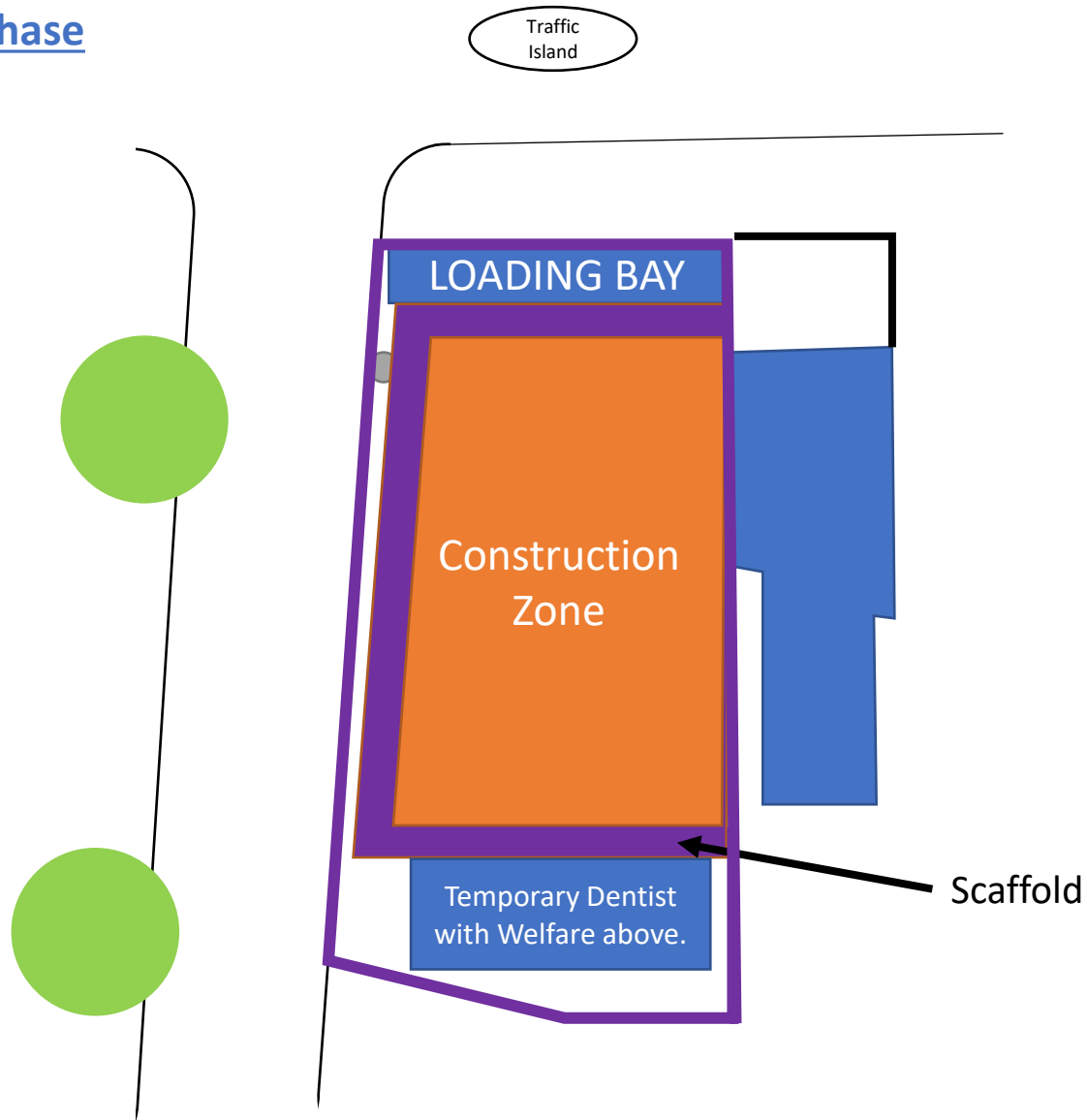
Demolition Phase



To facilitate the muck away wagons and deliveries during the demolition phase, it is paramount to ensure a one way traffic system is established that doesn't impact on the local roads. This is best achieved by:

- Access via westbound lane to prevent crossing over the road.
- Accessing into the site boundary, as parking on the road would block carriageway due to a traffic island.

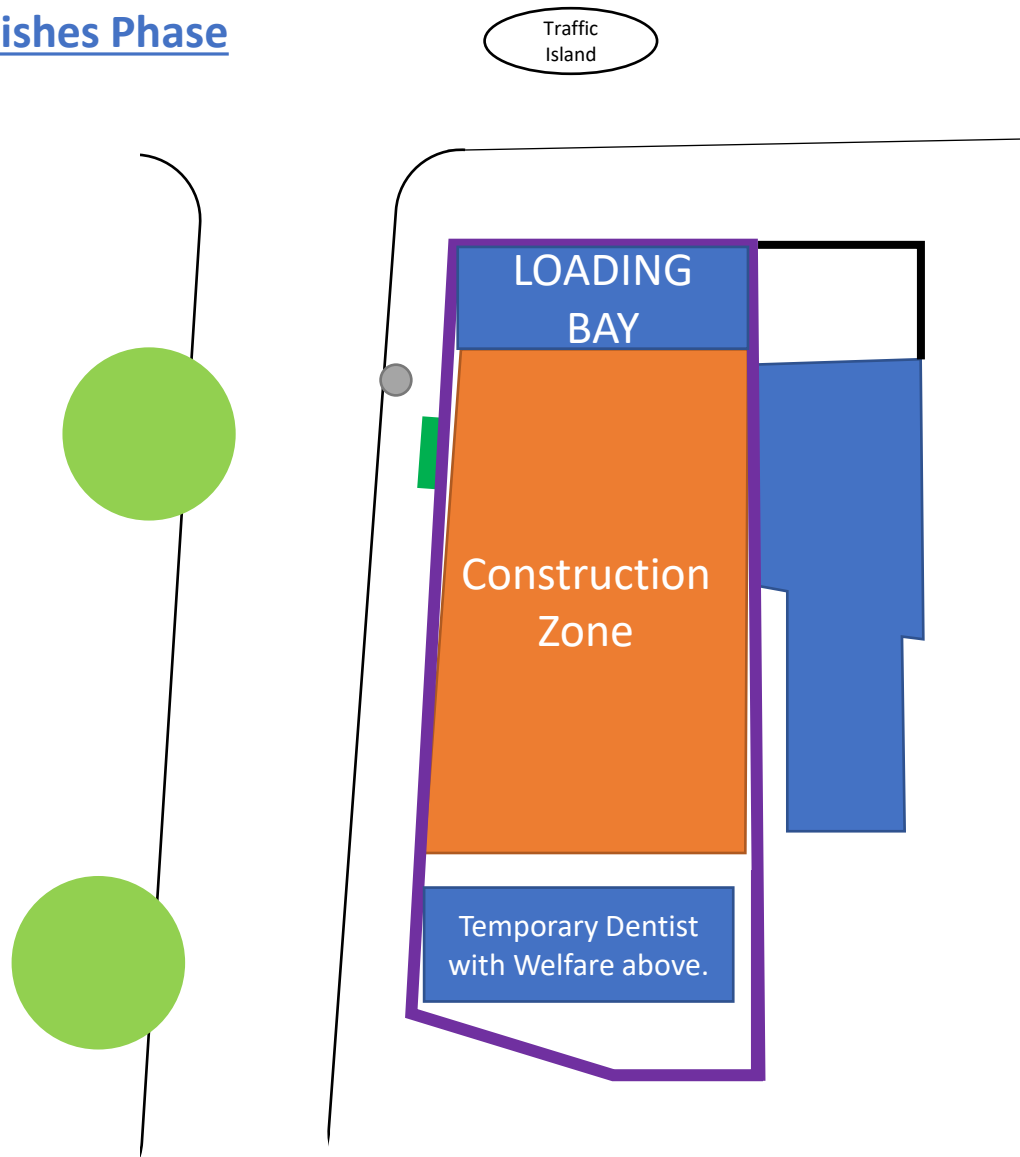
Structure Phase



Vertical transportation of materials (i.e. re-bar and bricks) will be achieved via HIAB onto the scaffold from loading bay.

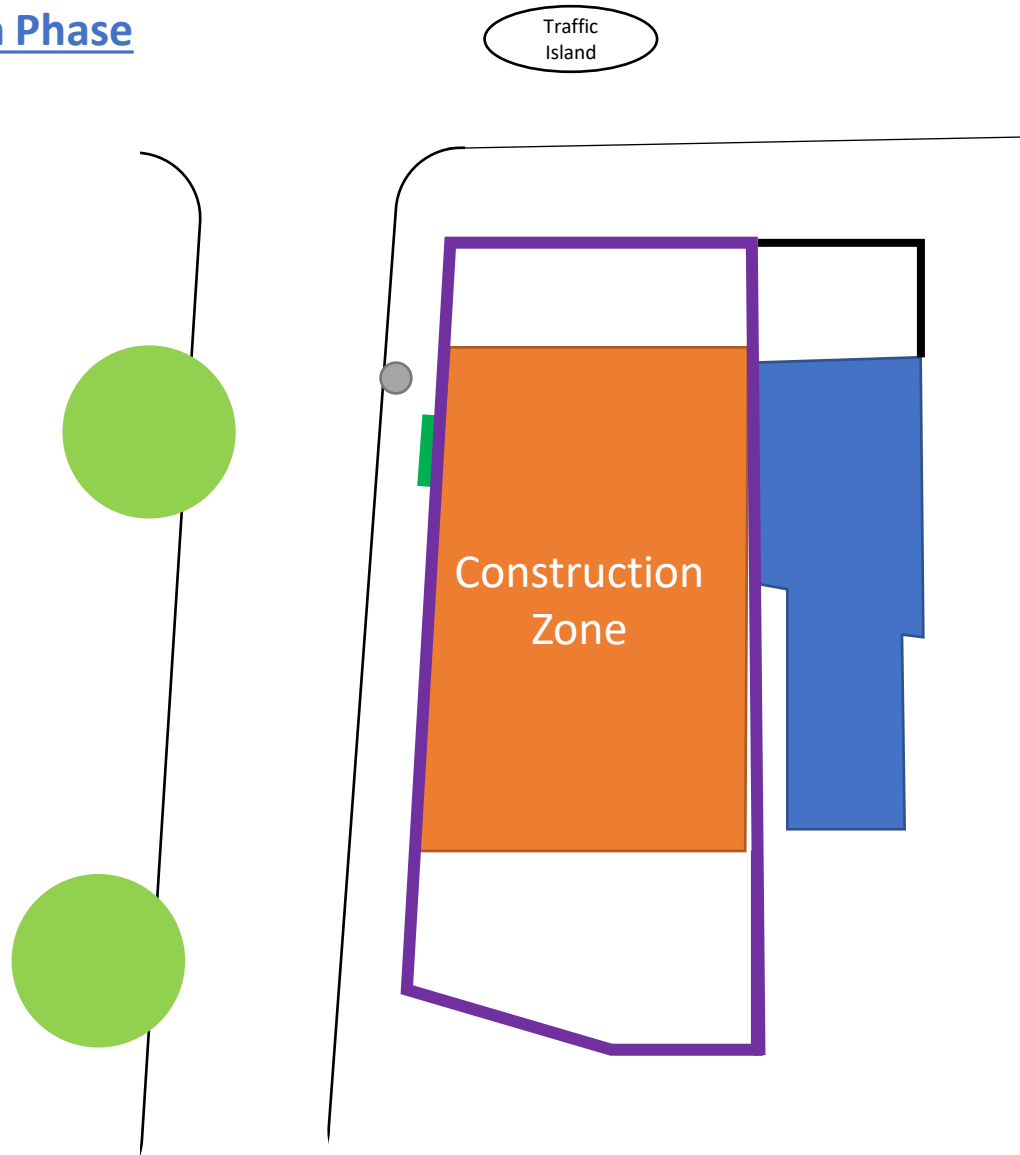
Concrete will be distributed via mobile pump.

Internal Finishes Phase



Loading bay will be used for delivery of materials. Access will be through the front of the building. The party wall between the dentist and apartments will be left down.

Completion Phase



The dentist will be relocated within the building to enable the external works to be completed.

Hoarding will be replaced with herass fence or similar as the building will be secure.



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Hoarding Design

Hoarding Line - Access / Egress – Station Approach Westbound



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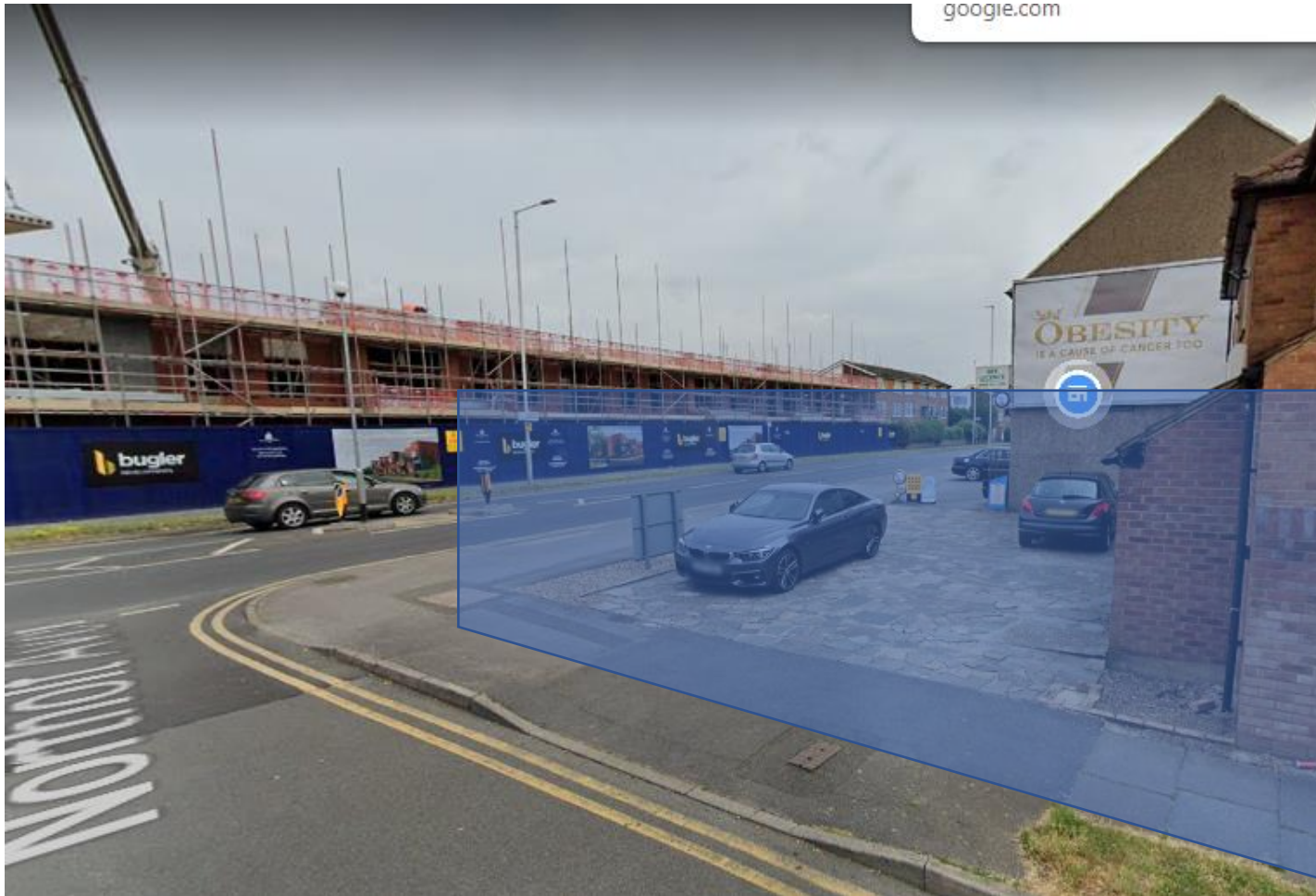
- Access via westbound lane to prevent crossing over the road.
- Accessing into the site boundary, as parking on the road would block the carriageway due to a traffic island.
- Avoiding the use of Northolt Avenue as this is a residential street.

Hoarding Line - Access / Egress – Station Approach Eastbound



Two gates will be established on the Station Approach elevation to enable one way traffic flow on site. This will prevent the need to reverse from site into the carriageway.

Hoarding Line –Northolt Avenue Northbound



The hoarding line shall be secure to the full perimeter to prevent any unauthorised access, including out of hours.

Local government guidelines for permits, temporary works design, licences, design (including lighting and colours etc.) will be followed.

Hoarding Line –Northolt Avenue Northbound



The hoarding to the rear will be adapted to facilitate access to the dental unit, whilst maintaining a secure perimeter.

Hoarding - Signage



The site hoarding shall have appropriate signage in place to ensure:

- One way traffic system is clear (access and egress gates)
- Deter trespassing
- Identify route for pedestrians where pavement closure is in place
- Identify location of temporary dental unit via way finding.

Hoarding - Hillingdon Council Guidance



The site hoarding shall follow Hillingdon Council guidance, and as a minimum:

- Comply with the Highways Act 1980 (namely sections 169 and 172).
- The principle contractor is to ensure the installer carries a minimum of £5m Public Liability Insurance.
- A licence shall be obtained from the Highways Department.
- Refundable deposit to be paid.



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Dental Unit / Welfare Access

Dental Unit / Welfare – Access

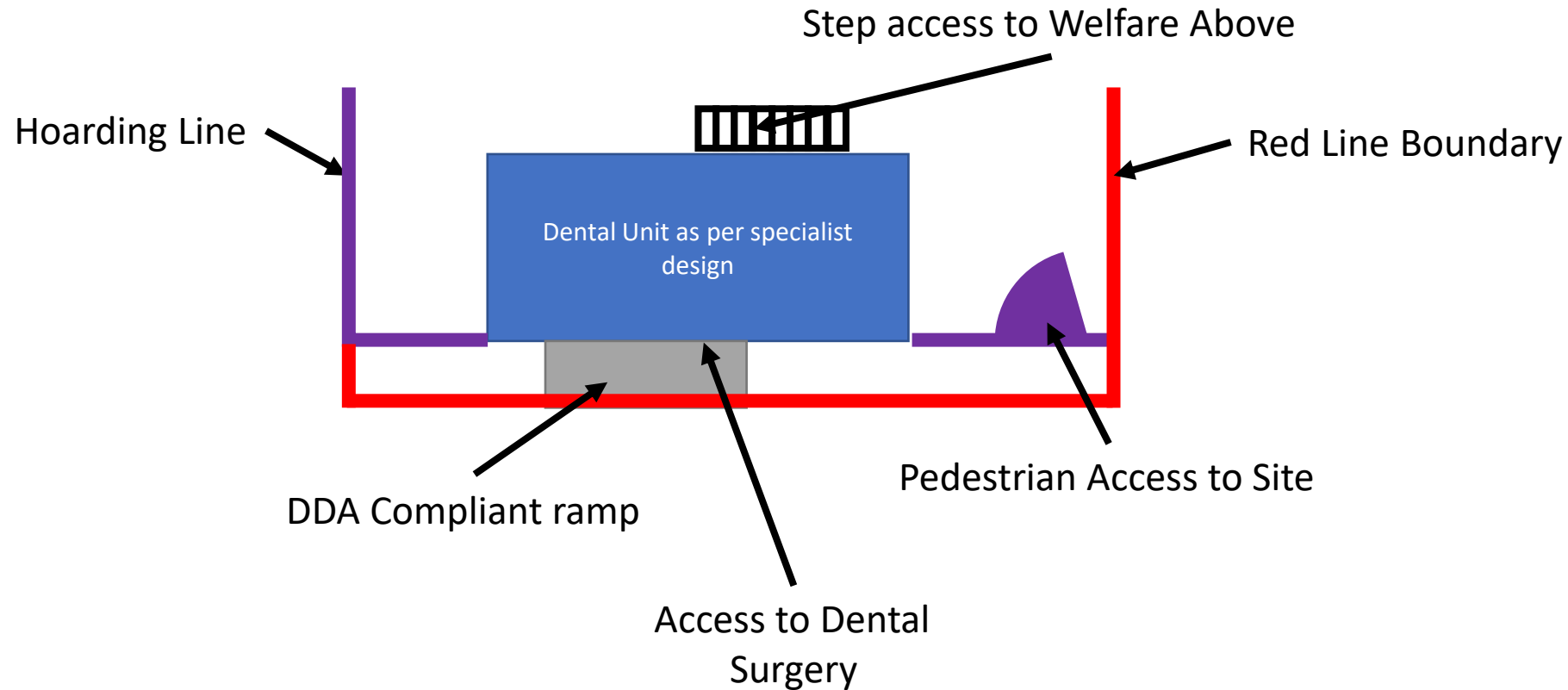


Due to space restrictions, in order to provide area for the dental practice, and welfare facilities for the site operatives, it will be necessary to double stack temporary modular units. The result will be similar to the image below:

Welfare to have its own separate access behind the hoarding line.

Access to the dental unit below will be via a separate DDA compliant access ramp with handrail.





Access to site and dental practice will be via separate entrances.
The dental practice entrance will be from outside the site boundary.
Access to site will be via a secure gate within the hoarding line.
Access to welfare above will be via staircase within the hoarding line.