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PRECOMMENCEMENT

During the pre-commencement/enabling period (within the 3 weeks leading to commencement on site) we will assist the client in developing the Construction Phase Plan (CPP).

In the development of the CPP we will address, carryout, coordinate and ultimately employ control measures to the following aspects of the contract, namely:

1. Categorise and identify environmental considerations/ecological issues on site in connection with the demolition activities and remaining waste extraction process to be carried out during our contract period. Individual meetings will be arranged by our site based Project Manager/Safety Manager in conjunction with the client and CDMC to further risk profile, identify control measures/protection requirements and finalise methodologies for the extraction of the identified materials in a safe manner.
2. Carryout Pre-Demolition Surveys/Structural Assessments. This will confirm the sequence/dismantling and demolition methodologies to be employed in coordination with client and CDMC. This will then enable the preparation of detailed Method Statements and Risk Assessments.
3. Carryout Dilapidation Surveys of the site and surrounding access roads and confirm the procedures to secure the site which in turn will address items 5 and 6.
4. Develop a site wide Traffic Management Plan, to identify areas of bore holes to be protected. These will be marked/tagged and fenced off identifying areas where machinery is not permitted.
5. Identify retained underground sewers and pipe runs that will be protected/barricaded to stop unauthorised access. All live drains on site will have filtration material installed and checked daily to stop foreign materials entering the water system.
6. Identify plant vessels, designated pipe work and structures to dismantle and confirm their previous usage and identify all potential risks. This will enable an individual and specific methodology to be developed for the area.
7. Finalise daily Permit to Work on site systems with the client, these permits will be in place for all daily contract activities.
8. Prepare detailed Method Statements, Risk Assessments and notify all statutory bodies of the works.
9. Produce the Site Waste Management Plan.

CONTROL MEASURES

We will employ/carryout the following:

1. Put in place procedures to sample and analyse suspected hazardous materials.
2. Soft strip before commencement of main demolition maximise recycling, limiting machine segregation later .
3. All non-recyclable debris will be removed from site as soon as possible.
4. Utilise cover wagons and skips.
5. Use of banksman with vehicles and radios at all times .
6. Correct use of PPE/RPE equipment .
7. Dampen down, water suppression carried out with the assistance of dust buster at source of demolition .
8. Removal of cladding, external cladding panel, adjacent live structures, reduce the possibility of premature collapse.
9. New, used and well maintained plant and equipment with silencers, turning off engines when not in use .
10. Highly trained workforce with experience of this type of demolition approach .
11. Use of correct machine specific attachments to deconstruct safely and within programme.

PUBLIC SAFETY AND PROTECTION

Public Safety and Protection

- At the end of each day we will make sure that the site is tidy and that there are no trip/fall hazards or unstable structures.
- We will carry out regular checks of the site boundary at all times.
- Wheel washing and road sweeping will be carried out at the perimeter of the site as required.
- Water dust suppression utilised on site to minimise dust migration and nuisance to the public.
- Vibration, dust and noise readings taken throughout the demolition period.
- Daily checks through the structure will be carried out to ensure that no un-authorised personnel are present before commencement of demolition activities.
- Create demolition exclusion zones on site ensuring that personnel interface is kept to a minimum and that all exclusion zones incorporate all potential hazards of falling/lying debris.
- Banks men in attendance throughout the demolition period, radio communication with the main point of contact and driver securing the demolition exclusion zone.

Protection of Adjacent Properties

To prevent damage to adjacent buildings we will implement the following:

- We will carry out regular letter drops providing local residents and businesses with details of on going work and any details of work which is likely to cause excess noise and disturbance.
- Our full time Site project Manager will have overall responsibility for local community engagement and will be the main point of contact.
- Install vibration, noise and dust monitoring stations around the perimeter of the site at locations to be agreed with the client.
- Hold regular meetings with business and residence confirming delivery periods and site access arrangements.
- All other demolition activities will be carried out within the confines of site boundary.
- Banks men will secure the demolition exclusion zone and boundary throughout the contract period. All deliveries to and from site will be under the guidance of qualified banks men.
- Debris netting and sheeting will be used to prevent flying debris.

TRAFFIC MANAGEMENT

Traffic Management :-

All vehicular traffic will be directed off the A628 Dodworth Road on to the shambles St, at the junction take St Marys Place taking a left on to the site

Vechiclr traffic leaving site will turn left on to St Marys Place a either take Huddersfield road back to the motorway or Old Mill Lane

This route has been chosen to minimise disruption to surrounding business

All deliveries to and from the site will be outside any specific time limitations identified by local statutory bodies.

Project vehicle movement from site :-

Soft strip / insulation removal

Total 41 skips over weeks 2 – 3

Demolition

3 – 4 to wagons a day for a duration of 2 weeks

Plus machine movement 6 in total

Going to Site



Leaving to Site



DEMOLITION SEQUENCE

Demolished in the defined sequence to minimise the visual impact of the demolition along Shambles St & St Marys Lane this in turn will assist in reducing noise and dust migration.

Maximise the use of remote machinery where possible, to minimising the amount of personnel exposed to safety risks.

Installation of filtration material within live drain gullies and traps to stop foreign bodies entering the drainage system

Installation of sound and dust monitoring equipment to the perimeter of the demolition site taking periodic readings throughout the demolition programme to be incorporated with the H&S file.

The anticipated programme within the tender documentation is 8 weeks for all on site activities, in our option this is extremely tight

To carryout the programme of works within such a time frame would require stacking activities, such as the car park demolition during the soft stripping of the shop units, with personnel transit routes to the under side of the car park structure during the demolition this would have inherent risks and subsequent exclusions zones on a already extremely tight programme.

Our programme put forward is to carryout the demolition works during a 10 week period please refer to our enclosed programme sequence for further information and our sequence of works we are happy to discuss further our proposals should our tender be of interest.

DEMOLITION SEQUENCE WK 1 - 2

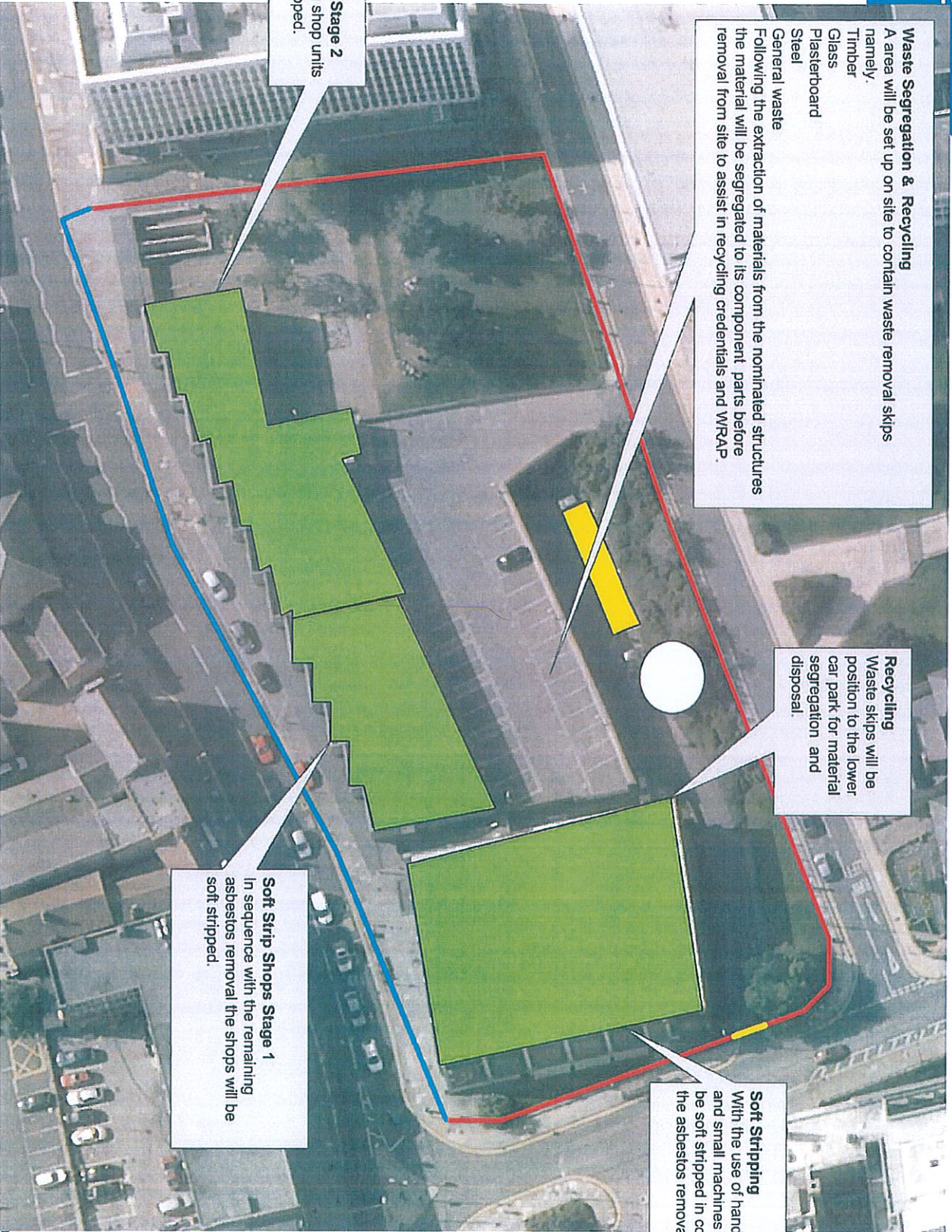
Waste Segregation & Recycling
A area will be set up on site to contain waste removal skips namely:
Timber
Glass
Plasterboard
Steel
General waste
Following the extraction of materials from the nominated structures the material will be segregated to its component parts before removal from site to assist in recycling credentials and WRAP.

Recycling
Waste skips will be position to the lower car park for material segregation and disposal.

Soft Stripping
With the use of hand held tools and small machines the Library will be soft stripped in conjunction with the asbestos removal sequence

Soft Strip Shops Stage 1
In sequence with the remaining asbestos removal the shops will be soft stripped.

Soft Strip Stage 2
Remaining shop units will be stripped.



DEMOLITION SEQUENCE WK 3

Supervision:
Periodically to limit the migration of dust demolition activities will cease and the area made safe. Once secure, demolition operatives will soak the area with water aided by high pressure jet washers.

Confirm Structure Is Empty
A search of the buildings will be carried out before demolition commences, this will confirm that all buildings are clear. Once clear all entrances will then be sealed to stop any further intrusion, enabling the demolition to commence.

Car Park
With the use of 40ton 360 machine the from car park will be demolished in a bay by bay sequence.

Works Adjacent To Substation
Please refer to section A-A for further details.

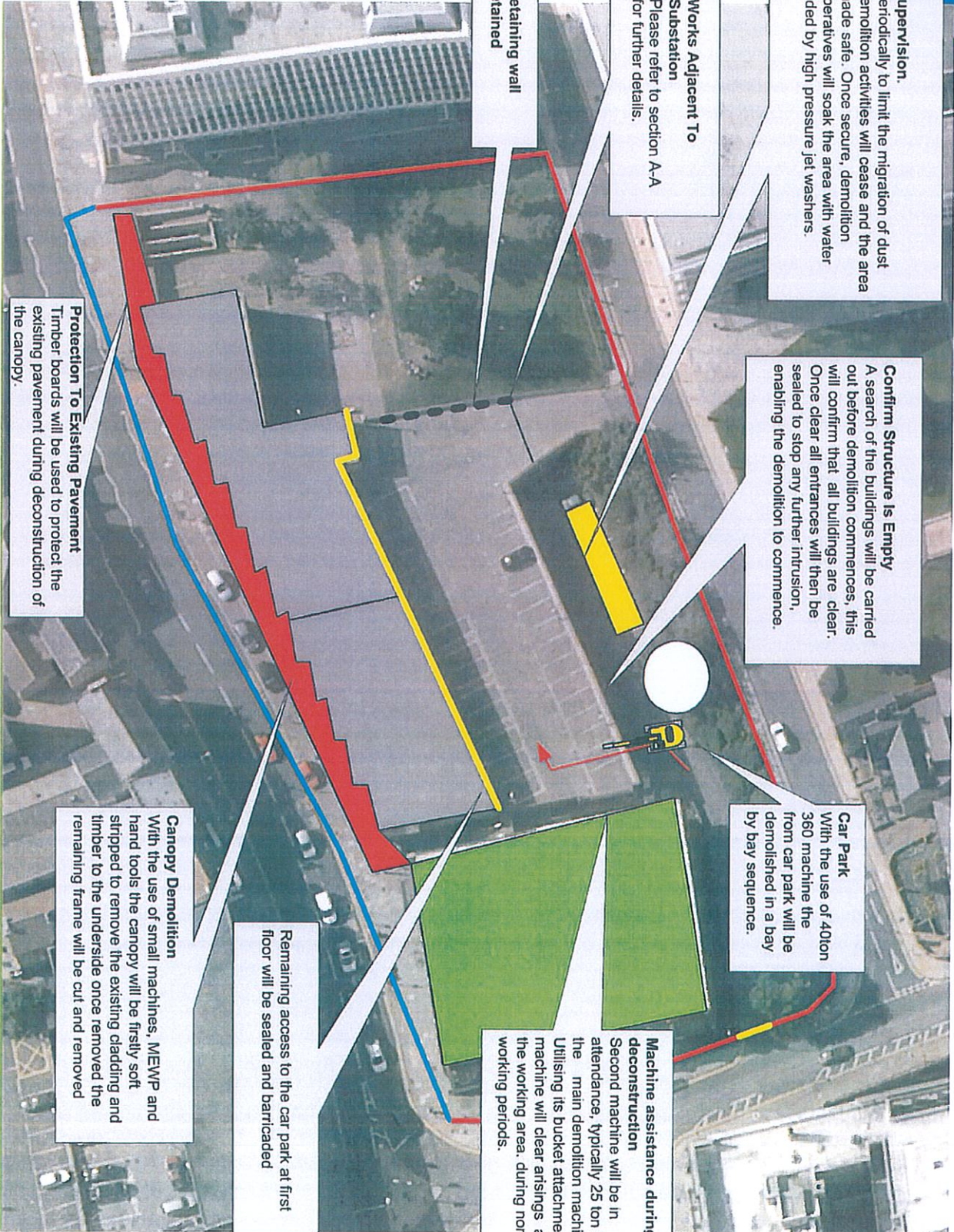
Retaining wall retained

Protection To Existing Pavement
Timber boards will be used to protect the existing pavement during deconstruction of the canopy.

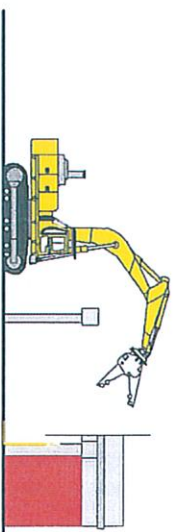
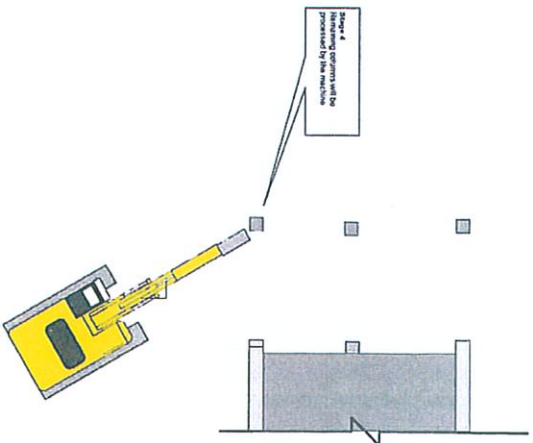
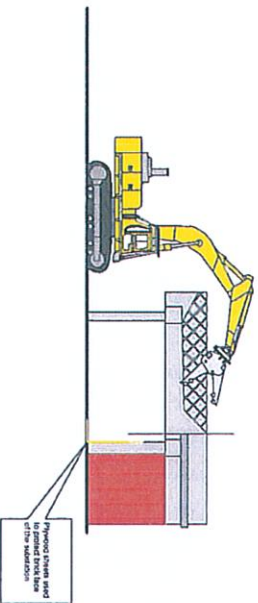
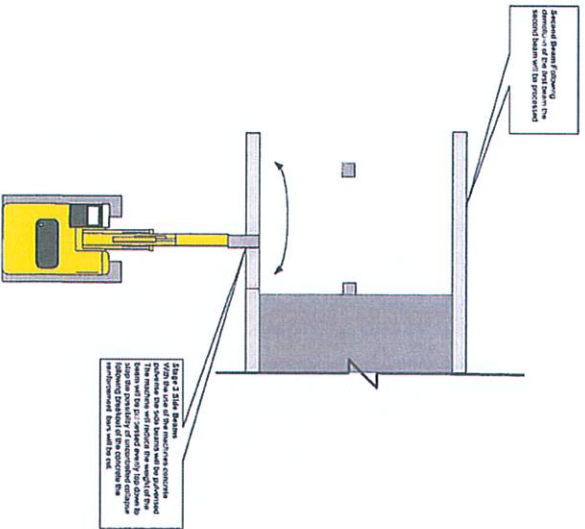
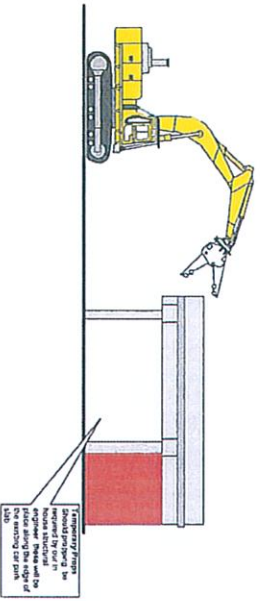
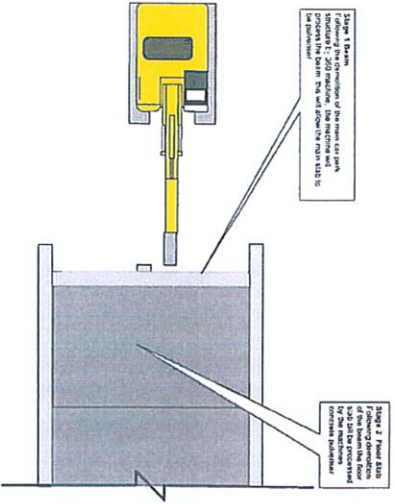
Machine assistance during deconstruction
Second machine will be in attendance, typically 25 ton to assist the main demolition machine. Utilising its bucket attachment the machine will clear arisings around the working area, during non working periods.

Remaining access to the car park at first floor will be sealed and barricaded

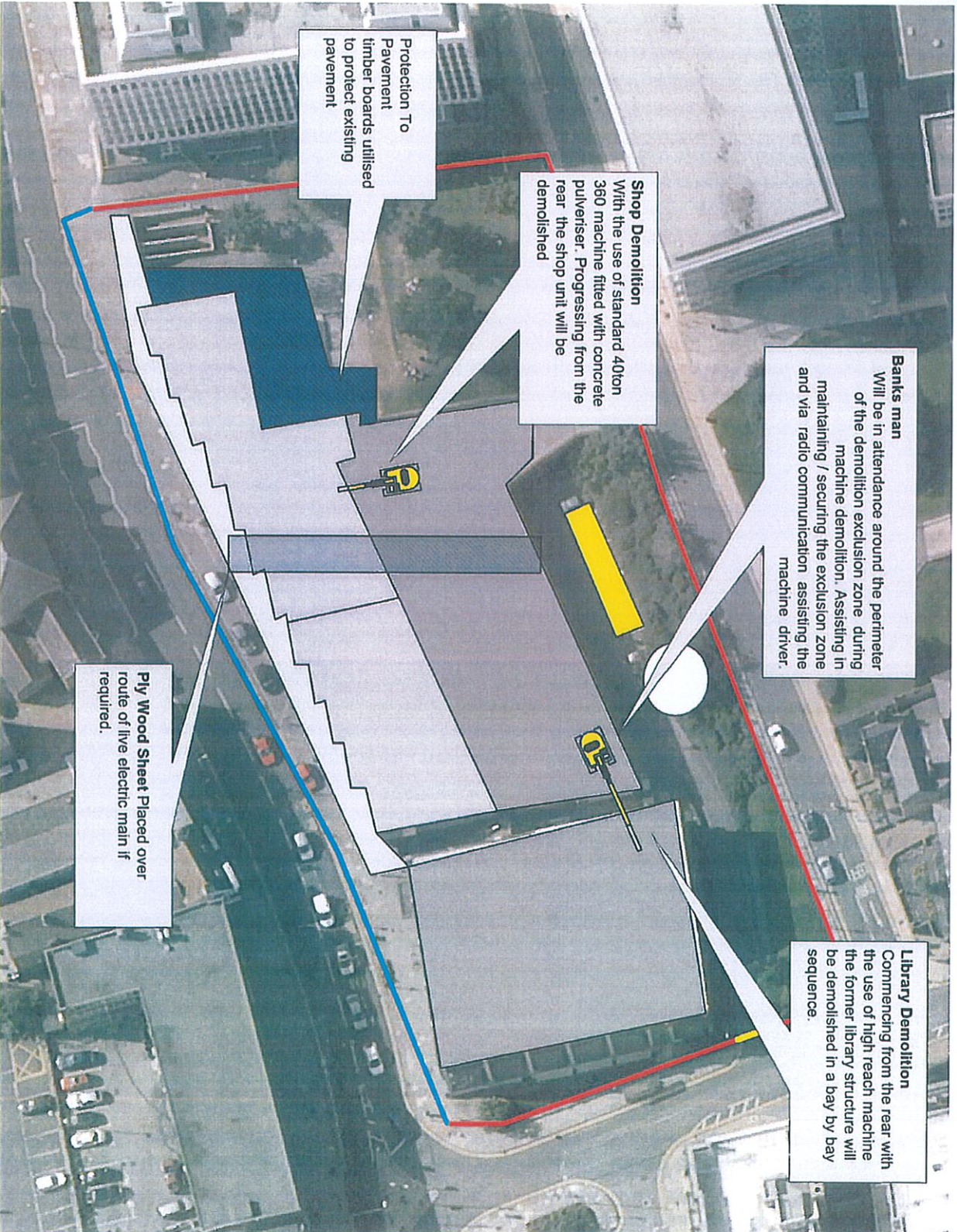
Canopy Demolition
With the use of small machines, MEWP and hand tools the canopy will be firstly soft stripped to remove the existing cladding and timber to the underside once removed the remaining frame will be cut and removed



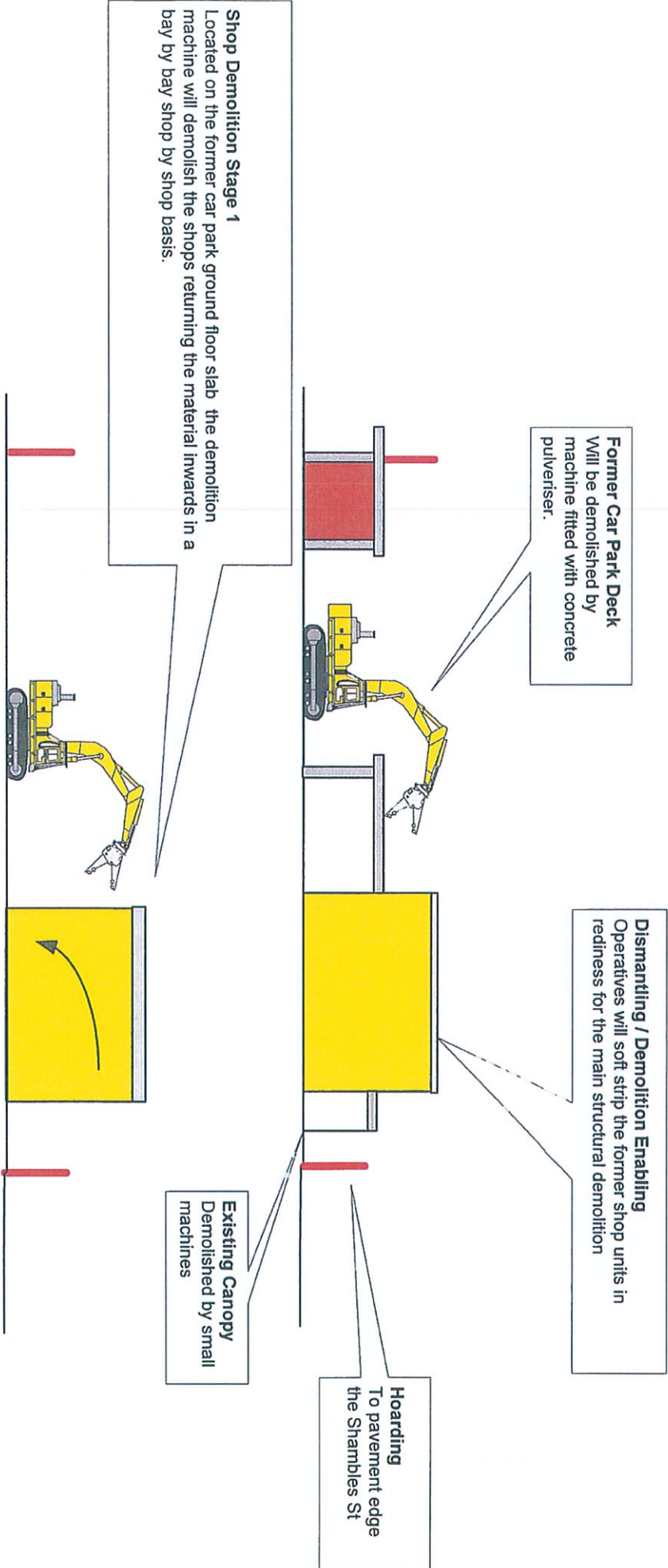
DEMOLITION SEQUENCE next to substation



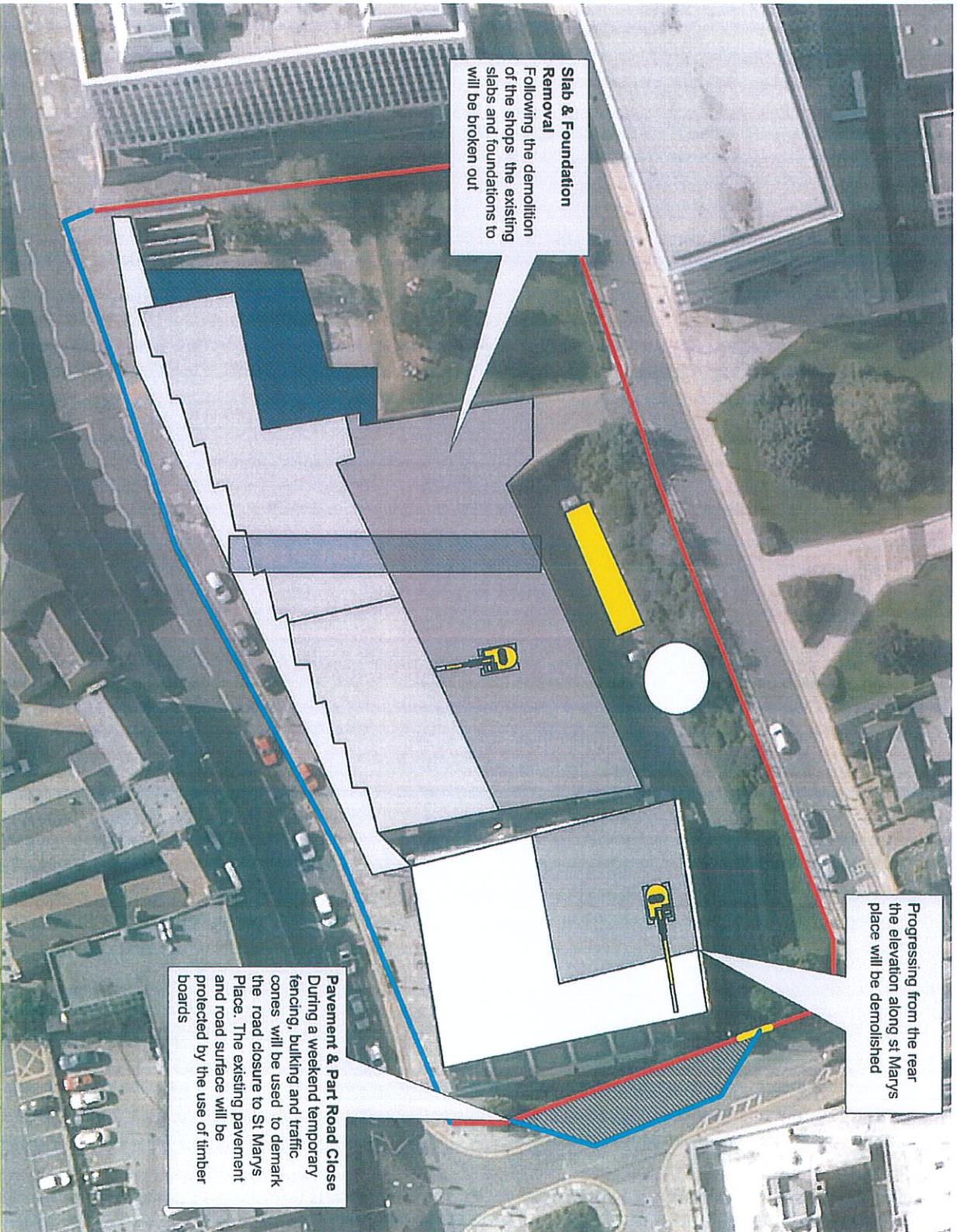
DEMOLITION SEQUENCE WK 4 - 5



DEMOLITION SEQUENCE Demolition of Shop units

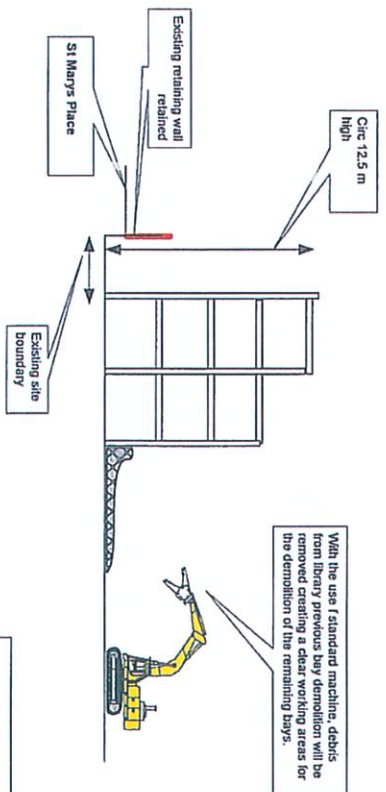


DEMOLITION SEQUENCE WK 6



DEMOLITION SEQUENCE

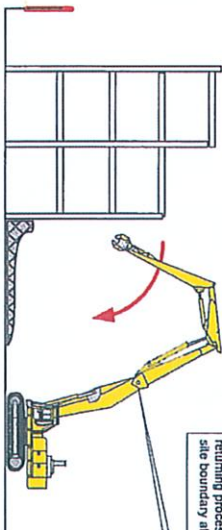
Library high reach



With the use of standard machine, debris from library previous bay demolition will be removed creating a clear working areas for the demolition of the remaining bays.

Pavement & Part Road Close
During a weekend temporary fencing, building and traffic cones will be used to demark the road closure to St Marys Place. The existing pavement and road surface will be protected by the use of timber boards

Demolition Exclusion Zone.
a 7m exclusion zone will be required to demark the end bays adjacent St Marys Place.

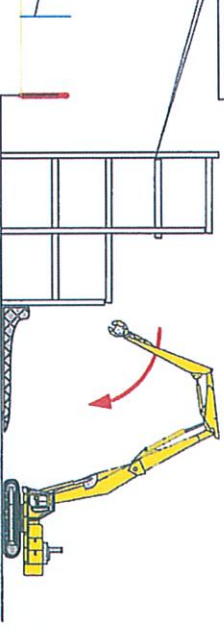


The high reach machine will progress into the structure at the side elevation with the aid of its rotating pulverizer attachment. Progressively breaking out the library. Forming lifters within the structure will assist in maintaining structural integrity during the deconstruction process. Furthermore our structural engineer will confirm the deconstruction sequence to best utilise the building shear wall and structural makeup, returning processed demolition material back into the confines of the site boundary at all times.

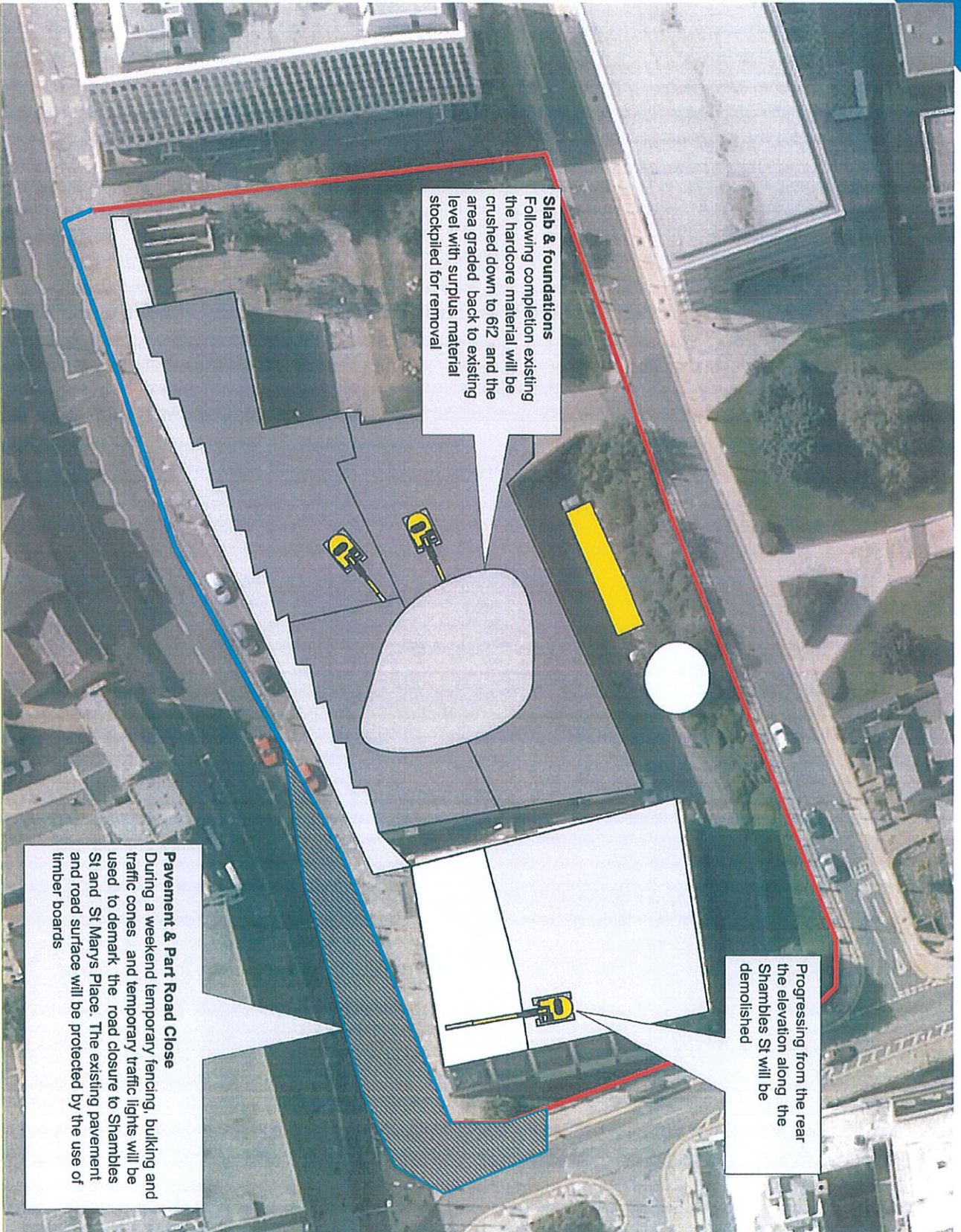
Demolition exclusion zone
This will be setup to encompass the area of demolition. As a rule half the height is required as a debris exclusion.
Supervision.
Banks men will be in attendance throughout the demolition period, positioned outside the demolition exclusion zone, assisted by radio communication to the driver and main point of contact. Periodically to limit the migration of dust demolition activities will cease and the area made safe. Once secure demolition operatives will soak the area with water aided by high pressure jet washers.

Maintaining Stability During Demolition
Periodically with the assistance of the machine attachment the working floors will be cleared of demolition debris, so to halt the possibility of overloading the floors causing structural collapse.

Banksman
in attendance around the perimeter of the demolition exclusion during machine demolition.



DEMOLITION SEQUENCE WK 7



**DEMOLITION
SEQUENCE
WK 8 – 10**

