Introduction

- **Paul McClafferty – Project Manager - single point of contact for the project.**
- **Regular news letters - inform on progress and future site activities.**
- **Project Duration – May 2016 (Demolition)**

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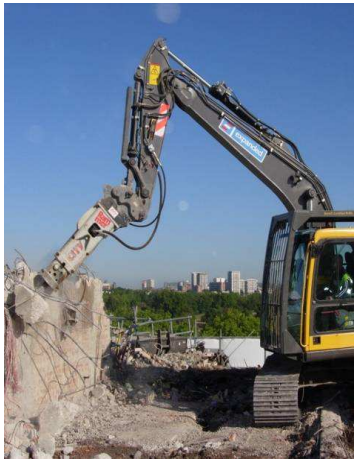
Presentation Content

Who Are We?

- **Safety Performance**
- **Project particulars**
- **Plant terminology.**

What we Do?

- **Environmental Issues.**
- **Outline Methodology and Demolition Sequence.**
- **Temporary works solutions.**



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SAFETY PERFORMANCE

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Safety Performance

SITE SAFETY RECORDS – LAST FIVE YEARS

Incident Rate = $\frac{\text{number of reportable accidents x 100000}}{\text{average numbers employed}}$

Frequency Rate = $\frac{\text{No. of reportable accidents x 1,000,000}}{\text{Total number of hours worked}}$

Hours Worked = Ave Person x 45 hours/wk x 46 weeks/yr

The Company's statistics summary is as follows:-

	2009	2010	2011	2012	2013	2014
Average Nos of Employees (including direct sub-contractors such as scaffolding)	100	110	170	150	100	85
Nos of over 7 Day accidents	1	0	0	0	0	1
Nos of Fatal or Major injuries	0	0	0	0	0	0
Nos of Dangerous Occurrences	0	0	0	0	0	0
Reportable Diseases in the period	0	0	0	0	0	0
Incident Rate for all sites and staff	1000	0	0	0	0	1176
Frequency Rate for all sites staff	4.8	0	0	0	0	5.6
Number of Prosecutions	0	0	0	0	0	0
Number of writs/convictions	0	0	0	0	0	0

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ST GILES CIRCUS – PROJECT PARTICULARS

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PROJECT PARTICULARS

HSMITH'S METHODOLOGY & HOUSE KEEPING

Noise & Dust

- Site times are restricted to 8.00am to 6.00pm Mon – Fri and 8.00am to 1.00pm Sat, with the exception of occasions such as the mobile crane use.
- The proposed "low noise" methodology i.e. Combination of using hydraulic hammers and crackers greatly reduces the occasions when noisy operations are undertaken.
- Monitoring stations will be set up to suit the progress of the works, with real time alerts sent to our PM.
- Operatives will not be allowed to congregate outside the site boundary during work breaks and / or the start and finish of each days shift.
- Undue noise such as shouting, the use of radios, whistling etc will be forbidden on site.

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PLANT TERMINOLOGY

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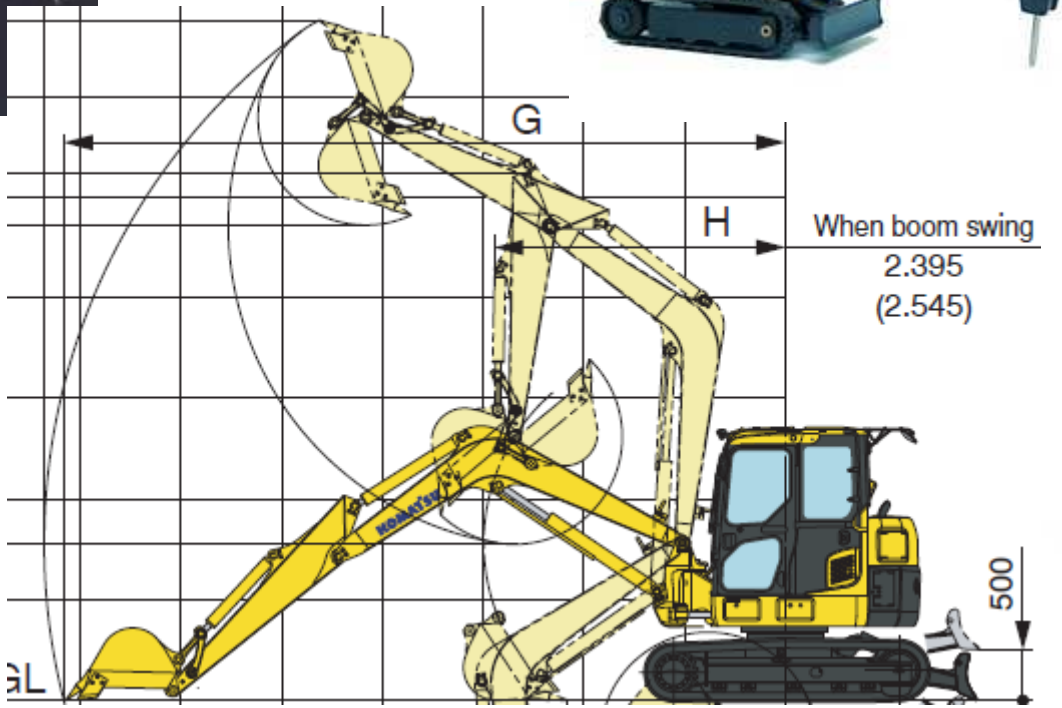
PLANT TERMINOLOGY

Hydraulic cracker & breaker attachments on a midi sized excavator used to demolish the RC structure.



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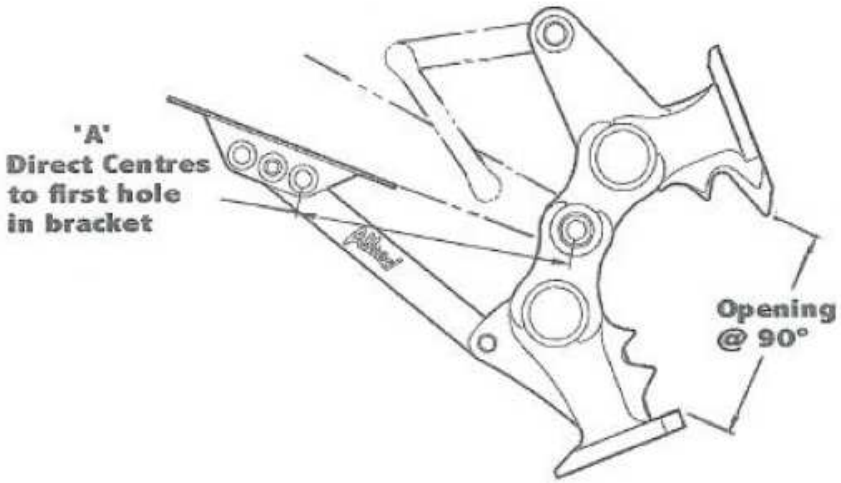
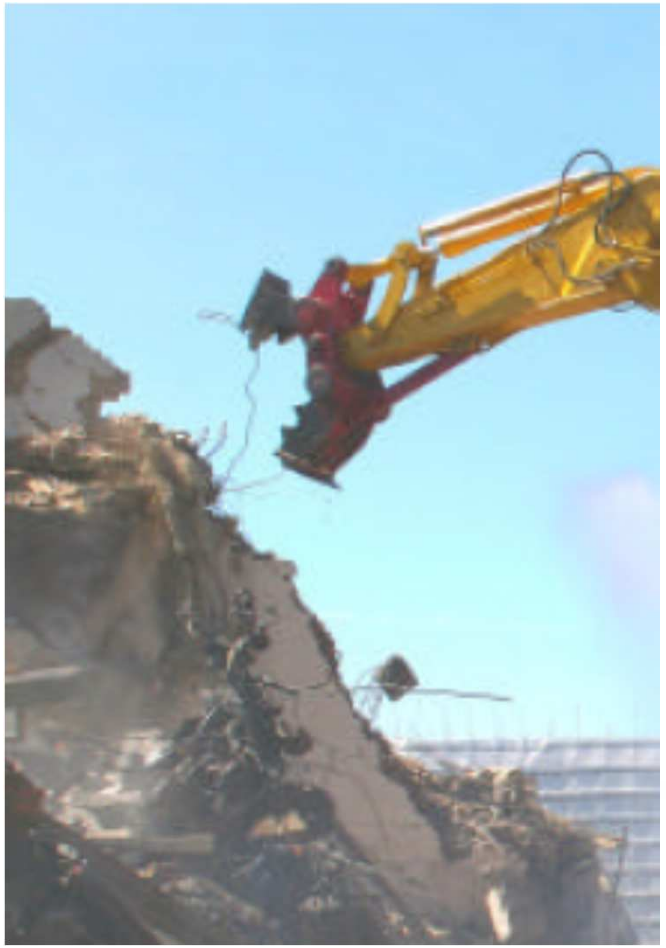
PLANT TERMINOLOGY



Excavator mounted mechanical pulveriser used to process demolition arisings prior to loading into muck away lorries.



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NOISE, DUST & VIBRATION MONITORING

HOUSE KEEPING ISSUES cont.

- Dust
  - Works undertaken behind fully sheeted scaffolds.
  - All works “dampened down” at point of dust generation and the use of “dust buster” atomiser sprays.
  - All lorries leaving site will be sheeted to further control the dust.
  - Automated “real time” monitoring systems with built-in GSM to modem to remotely collect data.
- Vibration
  - The use of hydraulic cracker attachments where practical will minimise the structural borne vibration.
  - Isolation saw cuts put into the basement slab prior to its breakout & removal.
  - Automated “real time” monitoring stations will be set up to suit the progress of the works.

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NOISE, DUST & VIBRATION MONITORING

HOUSE KEEPING ISSUES cont.

- Vehicle Management
  - Anticipated peak of approx 6-8 lorries per day.
  - All vehicles entering or exiting the site will be forward facing.
  - This low number eliminates the need for any " vehicle holding" area and allows us to manage the vehicles to ensure that they arrive on site after 8.00am in a controlled manner.
  - All vehicles will be sheeted when leaving site.
  - The vehicle wheels will always be checked for cleanliness and hand jet washed if required as they leave site.

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DEMOLITION SEQUENCE AND OUTLINE METHODOLOGY

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Sequence Drawing 1

Project Title: St Giles Circus

Client: Consolidated Dev Ltd

Demolition logistics and sequence drawings

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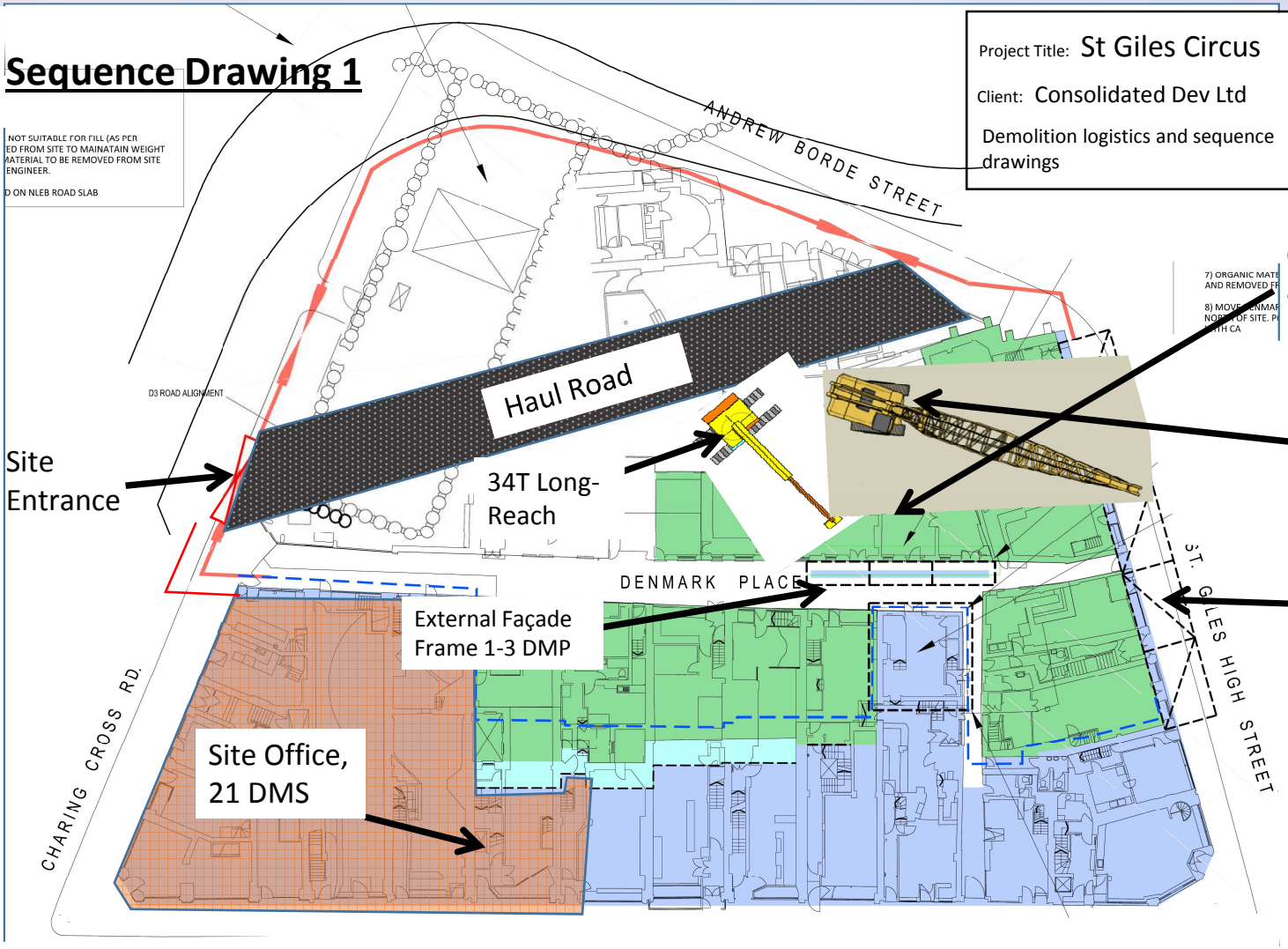

First phase of works to demolish 1-6 DMP to crate access to rear of DMS and room for crane to service St Giles High St Façade Erection

Proposed Crane position to Service St Giles High St after Demolition of 1-6 DMP

St Giles High St Façade Retention Location

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Sequence Drawing 2

Project Title: St Giles Circus

Client: Consolidated Dev Ltd

Demolition logistics and sequence drawings

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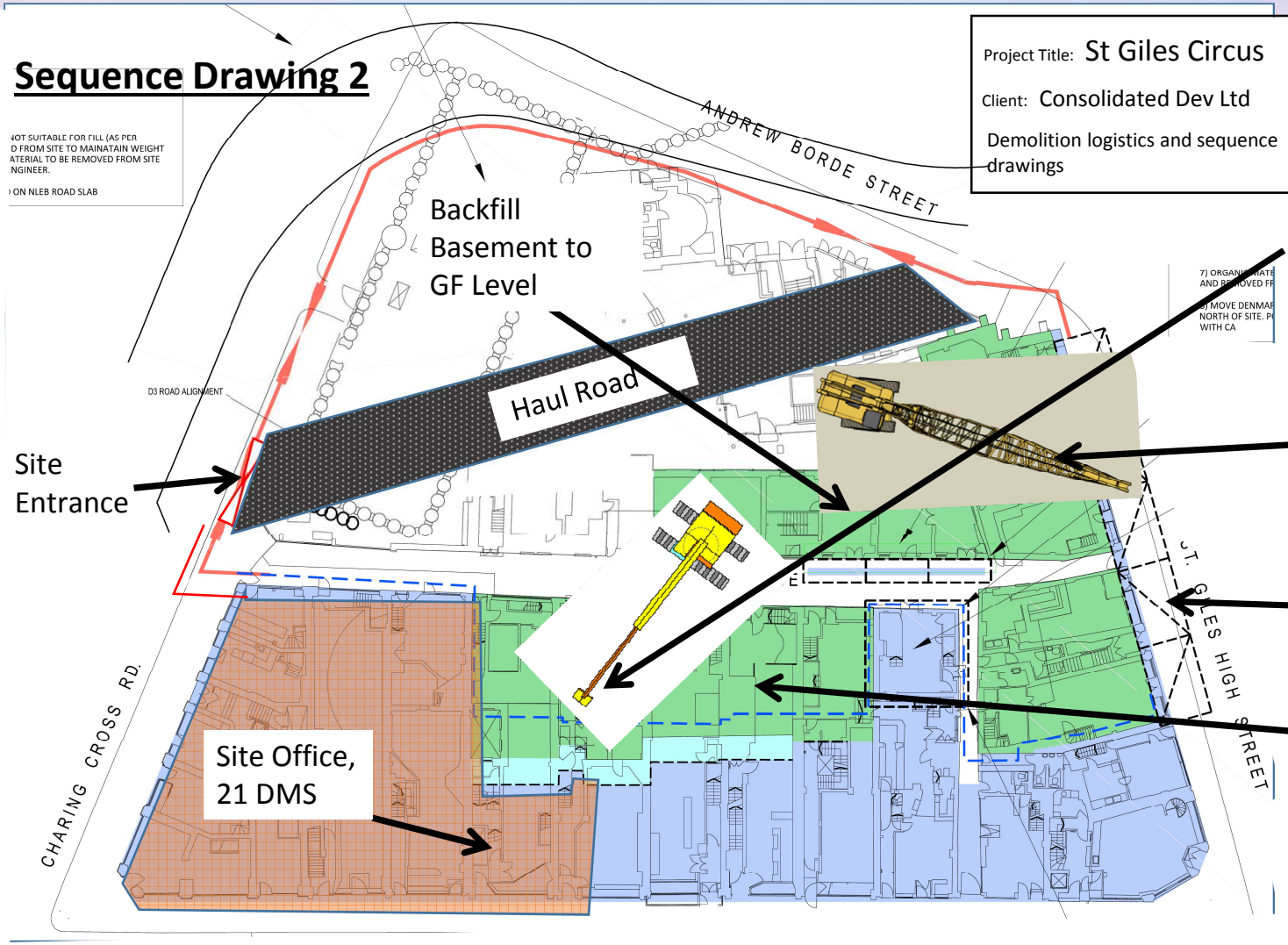

Second phase of works to demolish rear of 21-25 Denmark St after demolition and Backfill of 1-6 DMP

Proposed Crane position to Service St Giles High St after Demolition of 1-6 DMP

St Giles High St Façade Retention Location

Demolition of Building to be carried out on a Floor by Floor Basis, Weather Proofing as Demolition Progresses.

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Sequence Drawing 3

Project Title: St Giles Circus

Client: Consolidated Dev Ltd

Demolition logistics and sequence drawings

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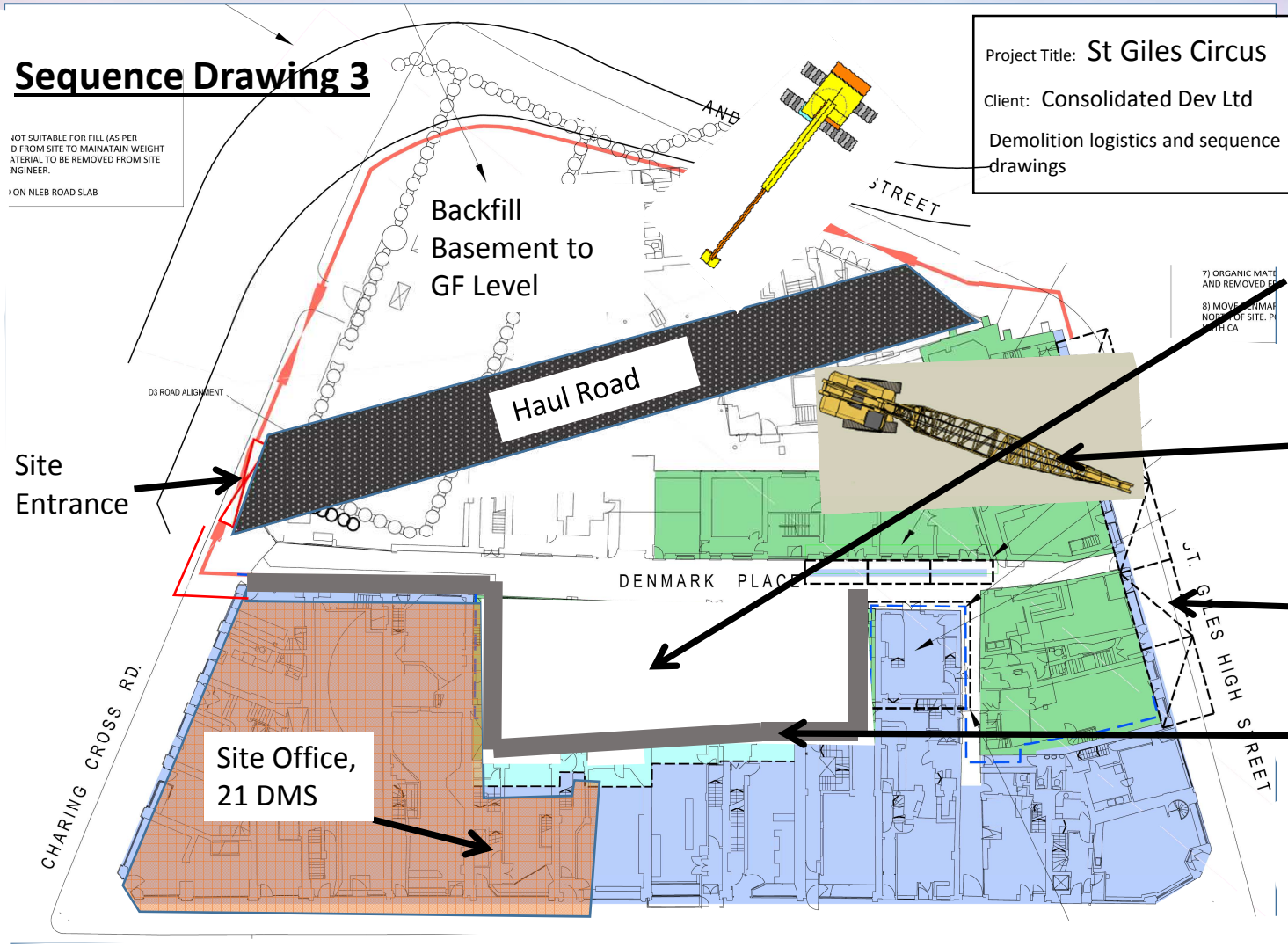

Third phase of works to demolish existing basement wall and prepare ground for Temporary Retaining Wall

Proposed Crane position to Service St Giles High St after Demolition of 1-6 DMP

St Giles High St Façade Retention Location

Position of Temporary Retaining Wall to retain Piling Mat

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