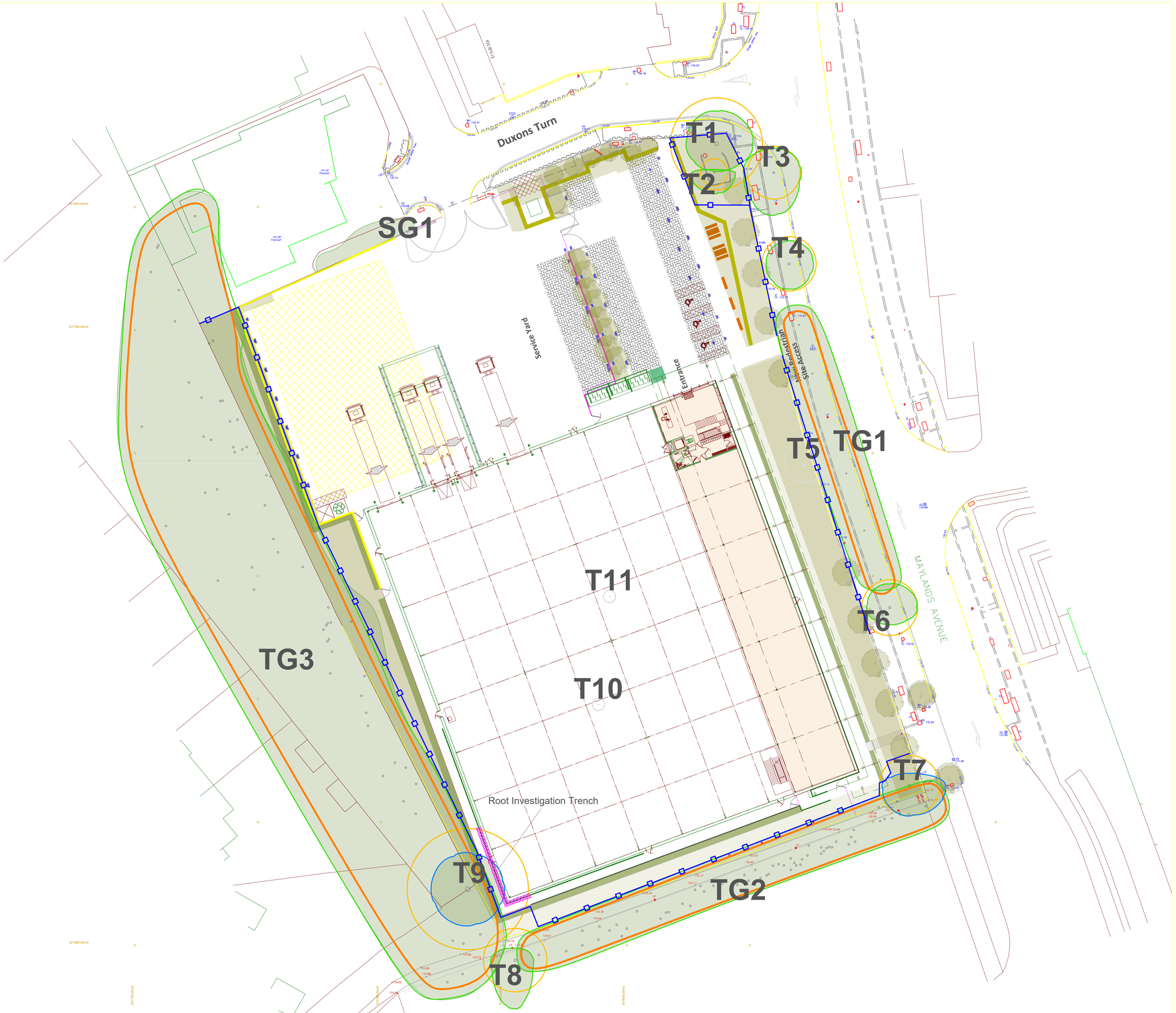
APPENDICIES

Appendix A	Tree Protection Plan
Appendix B	Traffic Routing Plan
Appendix C	Construction Traffic Management Plan
Appendix D	Proposed Vehicle Types & Movement
Appendix E	Entrance & Exit Swept Path Analysis
Appendix F	Programme
Appendix G	Site Set Up Plan
Appendix H	Wheel Wash
Appendix I	Not applicable
Appendix J	Guidance Notes for Site – Noise & Dust Control
Appendix K	Construction Plant Sound-Power Level Data

Appendix A
Tree Protection Plan



KEY: Tree Protection Plan

- Tree to be retained
- Tree to be removed
- Protective Barrier
- Root investigation trench
- Tree to be pruned
- Root Protection Area in accordance with BS5387:2012
- Suggested Temporary storage areas.

Rev.	Date	Description	By	Chk'd
C	28.10	Design update	DR	JM
B	20.10	T9 - Root investigation trench	DR	JM
A	26.09		DR	JM

Drawing status

Writtle Forest Consultancy

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Client / *(WFC project no.)*

Eight Versa Ltd
(220820)

Site

55 Maylands Avenue
Hemel Hempstead
HP2 4SJ

Drawing title

Tree Protection Plan

Scale	Dwg size	Date	Drawn	Checked
1:300	A1	20.10.22	DR	JM

Drawing no.

220820-TPP

Rev.

C

Appendix B
Traffic Routing Plan

NOTES:

All dimensions are in mm, unless otherwise stated.

Do not scale, all dimensions to be checked on site.

Direction of traffic to site

Direction of traffic from site

DATE	DRAWN	DESCRIPTION OF REVISIONS	REVISION LETTER	CHECKED BY
–	–	–	–	–

PARKWAY CONSTRUCTION MK LIMITED
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MILTON KEYNES,MK5 8NH
TEL: +44 (0)1908 395000
EMAIL: mail@parkwaymk.com

DRAWING STATUS: FOR APPROVAL

CLIENT: WRENBRIDGE

PROJECT: 55 MAYLANDS AVENUE, HEMEL HEMPSTEAD.

DRAWING TITLE: TRAFFIC ROUTING AGREEMENT PLAN

DRAWING NUMBER: C233/SSP/002

DRAWING SCALE:	DRAWN BY:	DRAWN DATE:
N.T.S.	D.H.	17.01.24
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A3	D.H..	17.01.24

Appendix C
Construction Traffic Management Plan

Construction Traffic Management Plan

C233 Maylands Avenue
Hemel Hempstead

January 2024
Issue 1

VERSATILE BY DESIGN, QUALITY IN CONSTRUCTION

parkway Construction

Document Control

Issue Date	Issued To	Revision	Issued By
17.01.24	Alistair Dunsdon – Wrenbridge Laurence Alden – Kam	Issue 1	Matthew Vicarage PCL

Document Amendments

Page	Description of Change	Name	Date
All	Issue 1	Matthew Vicarage	17.01.2024

Please note this is a live document which contains links to external documents please click to access*

CONSTRUCTION TRAFFIC MANAGEMENT PLAN

This document sets out the approach that will be adopted during the construction of the new industrial unit at Maylands Avenue, Hemel Hempstead.

The site is located in Hemel Hempstead to the west of the A4147, Maylands Avenue and the south of Duxons Turn. The site was formerly occupied by Network Digital Communications Ltd and Synbiotix Solutions Limited prior to demolition of the site.

The new development site is bound by existing industrial units and Duxons Turn to the North, an existing tree belt between the residential properties to the West and similar tree belt separation to the Southern boundary between a larger industrial unit. The Eastern frontage of the site sits back from A4147, Maylands Avenue. Main access to the site is off A4147, Maylands Avenue, with a secondary access located off Duxons Turn.

The site is broadly rectangular and has been demolished with material processed for re-use on site prior to the construction works commencing and stockpiled in agreed locations.

See site setup plans:

C233-SSP-001-Site Setup Plan **(Appendix A)**

2 weeks prior to works commencing, all adjacent properties will be letter dropped providing full contact details of the project site team including mobile phone numbers to director level.

The challenges identified for the construction team which are specific to this project have been identified as follows –

- Maintaining clear and uninterrupted highway access
- Maintaining clear and uninterrupted highway egress
- Keeping Maylands Avenue, i.e. outside of the works, clear of materials, plant and lorries at all times.
- Keeping Maylands Avenue clear of dirt and general construction rubbish at all times.
- Maintaining safe pedestrian and cyclist access across both access and egress points to the site.
- Maintaining a dust free and noise compliant site at all times
- Maintaining all "live" services on, under, over and around the site.
- Working safely at all times throughout the construction phase of the project
- Ensure that the works do not impact on the residents of Hemel Hempstead, especially the adjacent industrial estate occupiers.
- Ensure that any wildlife that may be found within the site confines is removed in a sensitive and appropriate manner, utilising professional ecologists when required.
- Ensuring impact on the surrounding areas and environment are kept to a minimum throughout the works
- Letter drop all properties adjacent the site informing them of the project start, duration, team etc, giving phone and email contacts for everyone involved.
- Update the occupiers of the adjacent properties on a 4-weekly basis of the works that are planned and co-ordinate all activities with them.
- Ensured site traffic routing is designed and implemented to minimise disruption to the residents of Hemel Hempstead.

- The detailed Routing Plan will be a condition bound into all orders placed for works and materials and will be rigidly enforced by the site. C233-SSP-002- Traffic Routing Plan **(Appendix B)**

- All site staff and operatives will park in the carpark provided on site, this has been sized to accommodate all vehicles travelling to the site, and under no circumstances will any of these vehicles be allowed to park on the highway surrounding the site

This method statement sets out to demonstrate our ability to carry out the works in optimum time, in the safest manner to achieve a completed project to the satisfaction of all parties involved.

Galliford Try Construction

METHOD STATEMENT CONTENTS

1. General

This method statement has been prepared and issued to give an indication of our general approach to the construction and management of the project.

Specific operations will be the subject of specialist considerations and site-specific detailed method statements relating to specialist activities will be submitted to Parkway Construction (MK) LTD for comments and approval prior to commencement of the works.

2. Planning and Programming

Before any works commence on site, a detailed Conditions Dilapidations Survey will be undertaken with, or it will be forwarded to, the local Highways Department for their information and records.

The whole project has been programmed to complete within a 1-year period in line with the attached programme, C233 Maylands Avenue - Contract - 9.1.2024 **(Appendix C)** and following working hours:

Any works which can be heard outside the works boundary must only be carried out between:

- Monday to Friday – 08.00 am to 18:00pm
- Saturday - 08:00 am to 13:00pm
- Sunday – Site Closed
- Public / Bank Holidays – Site Closed

There are no highway alterations, footway work, road closures, traffic routing, diversions etc on this contract

3. Site logistics

The way in which the site is established and managed is critical to the success of the project.

All works will be completed from the works from within the confines of the approved boundaries.

A schedule of dilapidation's will be undertaken with, and issued to, HCC Highways for highway areas and carriageways adjoining the actual site area. This inspection will take place on the day before works are scheduled to commence in order to identify accurately the condition immediately prior to commencement.

Routing of Construction Traffic will be undertaken in accordance with the agreed routing plan. C233-SSP-002- Traffic Routing Plan **(Appendix B)**

4 Site Management

The management for this project will comprise of site based, trained and competent, experienced managers, i.e. a visiting Contracts Manager & QS with a team of 1 Senior Project Manager, 1 Site Manager who will be a certificated highways supervisors, a setting out engineer, and operatives along with non-working trades foremen and labour as required.

The site team will be fully supported and assisted by our head office together with the Construction Director, Contracts Director and Commercial Director to ensure the implementation and compliance with legal, planning, company procedures/requirements and safety policies and to monitor the ongoing quality and operational standards set by Parkway Construction.

The management structure on site is as described below:

- Design & Construction Director – Allan Carr (07971 533328)
- Contracts Director – Matt Vicarage (07834 518872)
- Commercial Director – Chris Horsey (07593 441 913)
- Senior Project Manager – Andy Brookhouse (07522 234 764)
- Engineer - TBC
- Quantity Surveyor – Laura Nessfield (07923 245082)
- Safety Advisor – Wayne Hodgson – SML

These details will be provided to the local residents as part of a letter drop introducing our team prior to works commencing.

5 Security and Site Establishment

A Heras fence car park and compound will be established on site within the main secured site. It will be maintained throughout the works and adapted as required to suit traffic management obligations during the works.

As part of the weekly site perimeter inspection regime all safety signage barriers, cones and fencing will be inspected and cleaned as appropriate, to ensure it is still visible.

6 Personnel

All personnel will be appropriately trained, qualified, and certificated for the operations they are undertaking, for example: SMSTS, First Aid, CSCS, CPCS, SWQR etc

All personnel entering site will attend Parkway Construction's site safety and environmental induction prior to gaining access to site. Site specific rules and details will be given during this induction.

7 Site Access and Deliveries

Vehicular and pedestrian access to the site parking and compound will only be off of Duxons Turn. HGV traffic will enter and exit through the existing site entrances that are constructed off of Maylands Avenue during the early construction phase until the structure is erected.

Deliveries / arrivals to site shall not arrive before 08:00 in the morning. HGV's, delivery vehicles or trades vehicles (cars & vans) will not be allowed to wait outside the site entrance on Duxons Turn and Maylands Avenue before 08:00. The site setup will be designed so that all vehicles will pull directly into the site upon arrival.

Deliveries and construction activities shall be planned so that they arrive outside of peak hours where possible.

Wheel wash **(Appendix D)** facility comprising of high-powered petrol driven jet washer will be set up at the final exit point out of the works on Maylands Avenue. All vehicles leaving site will be inspected for cleanliness by the banksman before being allowed to exit onto the highway.

Temporary pedestrian, cyclist and footpath routes will be provided across the front of the site these will be maintained throughout the works.

Advanced Warning signage will be installed to ensure priority, safe access and egress across and through the road and footway to the front of the site.

In adverse weather conditions or when required due to specific operations that might cause contamination to enter the highway, a road sweeper will be in attendance to ensure a clean road is maintained.

Deliveries of materials, plant and equipment will be strictly controlled and co-ordinated to prevent congestion and disruption.

All planning approved requirements have been written into sub-contract and material orders and labour inductions, they will also be signed into the pre-let meeting minutes and contracts to ensure full compliance.

The movement of plant, vehicles, machinery and equipment together with the unloading, hoisting and distribution of materials will be undertaken by appropriately trained, qualified and certificated banksmen.

8 Signage

Signage will be provided and will include a selection of the following examples –

- Mandatory traffic route requirements
- Office, accommodation and toilet location and access routes
- Access and delivery instructions
- Pedestrian crossing and vehicle movements
- Site speed limits
- Underground services
- PPE requirements
- Location of first aid station and welfare facilities
- Pedestrian routes
- Fuel and material storage areas
- Site management details and numbers
- Considerate constructor details and banners etc

No advertising, posters, signs or notices shall be affixed to the site hoarding, or displayed from, or within the site, without client approval.

Should a development sign board be erected it should be in a form, context and prominence approved by the client. This sign board will announce the project and will reference the following details only:

- Name of Fund
- Name of Developer
- Name of Contractor
- Name of the Various Consultants
- Name of the Tenant

Signage will be inspected and maintained throughout the works.

9 Storage and Handling

Designated storage areas will be provided within the site boundary and adapted as the site progresses.

Where possible materials will be delivered and off loaded adjacent to their point of use to minimise vehicle movements and handling.

Vulnerable materials and equipment will be stored within locked site containers.

Construction Plant will be secured and locked in the compound at the end of each day, i.e. within range of surveillance from our monitored, police response approved CCTV security system.

The movement of plant, vehicles, machinery and equipment together with the unloading, hoisting and distribution of materials will be undertaken by appropriately trained, qualified and certificated banksmen.

10 Waste Management

The generation of site waste will be continuously monitored and updated throughout the project. Site skips will be stored within the site boundary in the designated area.

Parkway Construction (MK) Limited is conscious of its responsibilities for the protection and improvement of the environment and is committed to minimising environmental impact throughout its sphere of activities.

It is the aim of Parkway Construction (MK) Limited to carry out its operations, according to the procedures given herein, together with its targets and goals detailed in its ISO 14001 registrations and to the latest good practice guidelines.

Management and Site Staff are responsible for the operation and implementation of the Policy and all sub-contractors are expected to co-operate with the company in order to fulfil its legal obligations.

Our procedures will cover the following areas and will be reviewed annually or as changed in legislation dictate:

- Segregation of waste on site to, as minimum, inert material, wood, metal, paper and cardboard, and mixed materials prior to removal from site.

- Or waste will be removed from site by a registered waste carrier who will sort and recycle the waste. Reports will be issued detailing the percentage recycled from each skip with the volume sent to land fill also identified.

- We will work with our suppliers to reduce packaging (including the use of pallets) and recycle as required.

We will work with our designers to review construction procedures and products (to minimise waste and use recycled materials where specification allows and where it is economically viable) and to keep as much material on site in the overall scheme design.

We will look to re-use spare, surplus materials on site where this is appropriate.

Our staff will be dedicated to the management of waste on site (All skips will leave site full and correct waste transfer procedures followed.)

Our staff and Sub Contractors will actively reduce waste by ordering the correct quantities of materials, they will then store and use them in order to minimise waste. Materials will be ordered, when economic, to arrive just on time to minimise the possibility of damage through handling and storage and will be rejected if they arrive damaged or incorrect. Rejected materials will be recycled by the supplier.

During Site Induction all labour will be informed of our onsite procedures and actively encouraged to run a 'TIDY' safe site.

All sites will display the relevant Waste Carriers registration certificate and the licence for the disposal site.

All sites will have a competent person responsible for full implementation of Site Waste Management, on this site it will be Andrew Bookhouse.

11 Temporary Services

Temporary site power will be provided via a site generated supply, it will be used for small power for tools and equipment as well as the site accommodation and facilities.

Site accommodation and toilets will discharge to the existing foul water infrastructure.

Site telephones will be via mobile phones and internet provided for email from 4G/5G dongles.

12 Dust, Debris and Wheel Wash Control

The site will be accessed from Maylands Avenue, this will be swept regularly and damped down with water to reduce the amount of dust on site should this be necessary.

The majority of material are retained on site, the bulk earth moving / filling operations will be undertaken in the most efficient manner to ensure that open ground will not dry and dust up causing a nuisance. Should it be required, damping down will be adopted using on site dust suppression in the form of sprinkler hoses, mist spray cannons and dumpers with dust suppression bowsers.

All dust suppression will be as described in the HSE publications, No 36 and 54.

During aggregate delivery, muck shift periods, and times of high vehicle movements the site wheel wash will be set up at the Site Entrance off of Maylands avenue and Duxons Turn. This will include the use of a pressure washer controlled by our banksman to ensure mud transfer is minimised to the surrounding roads. The Pressure washer, labour with brushes and shovels will be the first line of defence on a day-to-day basis, please see **Appendix D** or click the link below.

Wheel wash

Road sweepers will be available throughout the duration of the project to collect and clean any mud or debris accidentally transferred on the surrounding roads, this will be planned and managed by site as "planned" work activities dictate, it will not be used simply as a reactive measure, it will be programmed around the specific site activities. The sweeper will be fitted with an external pressure washer lance to give flexibility to the cleaning activities to the surrounding roads and paths

Parkways Site Project Management will ensure compliance with the above at all times.

See copy of Parkways Guidance Notes for Site – Noise & Dust Control **(Appendix E)** for further details.

13 Safety

Full recognition and regard will be given in the management and execution of the project of the current HSE, Construction Design and Management Regulations and Highway Regulations.

All trade contractors are obliged to provide safety policies, safe working procedures, risk assessments and method statements which will be reviewed, revised as required and signed approval will be issued by Parkway Construction (MK) LTD 2 weeks prior to commencement of the works.

Safety Management LTD will provide external safety inspections and support with frequent site visits to review and monitor safety standards as they deem appropriate.

14 Noise Control

Management of noise pollution and vibration control will be given a high priority on this scheme.

Possible impacts have been assessed and no unacceptable effects have been identified when using modern, well maintained equipment.

During the works we will ensure acceptable levels of noise are adhered to where possible and will work to the following hours:

- Monday to Friday – 08.00am to 18:00pm
- Saturday - 08:00am to 13:00pm
- Sunday - No noisy work
- Public / Bank Holidays - No noisy work

Working hours may be altered or dictated by highways requirements and guidance, these requirements will take precedence over the stated hours above.

In all cases Parkway Construction will adhere to its Guidance Notes detailed in the "Guidance Notes for Site – Noise & Dust Control" **(Appendix E)** which is attached.

All plant operated on site will conform with the following Sound-Power Levels. Construction Plant Sound-Power Level Data **(Appendix F)**

15 Sequence of Works

Sequence of works to be followed will be as the agreed contract programme. C233 Maylands Avenue - Contract - 9.1.2024
(Appendix C)

16 Handover Documentation and Training

Prior to the completion of the works Parkway Construction will implement monitoring procedures to ensure information production relating to the handover documentation are implemented to allow handover of operation and maintenance for PC.

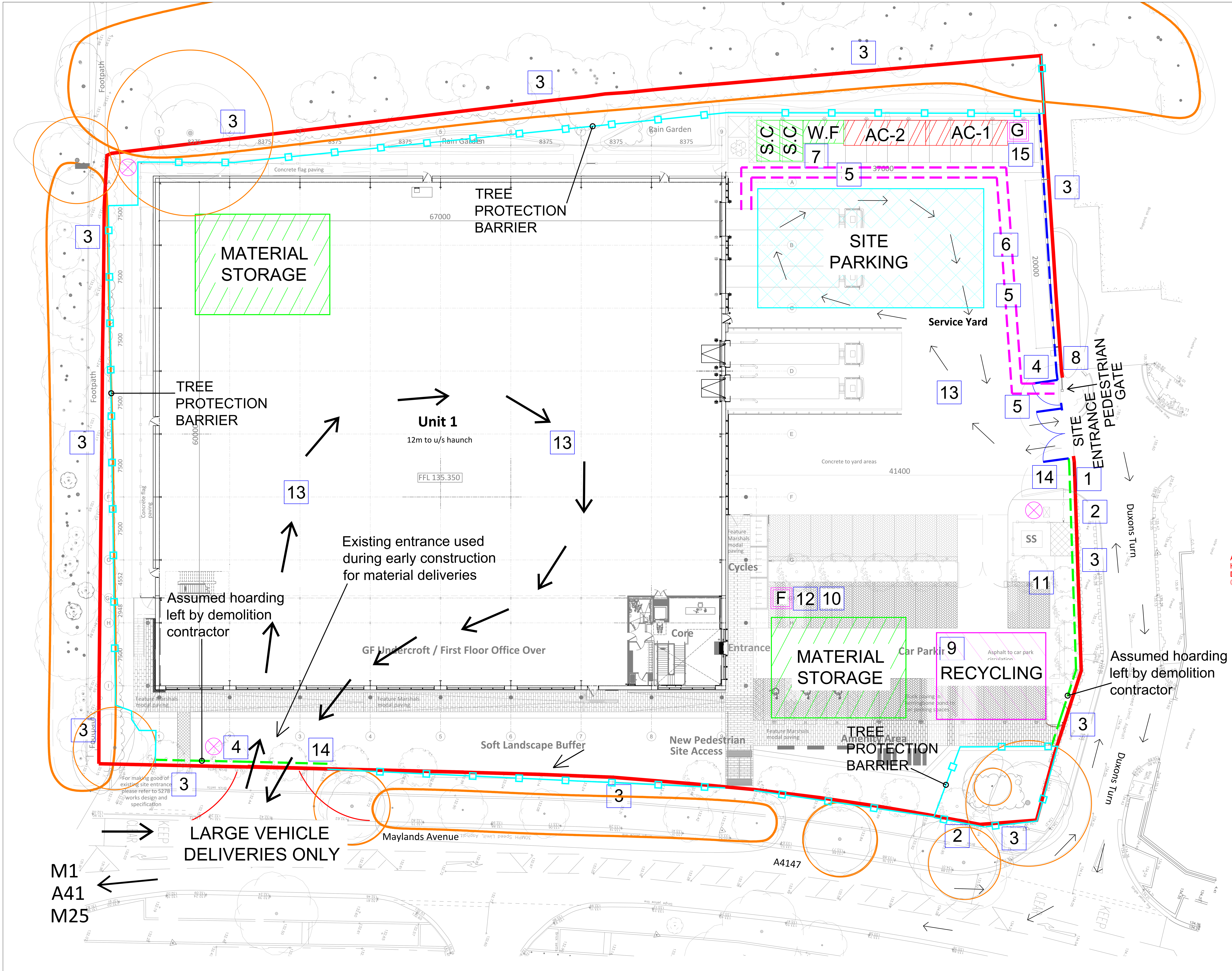
17 Conclusion

The above method statement has been developed to demonstrate Parkway Constructions understanding of the project requirements and methodology required to carry out a project of this nature successfully.

Appendices

Appendix A	Site Setup Plan
Appendix B	Traffic Routing Plan
Appendix C	Programme
Appendix D	Wheel Wash
Appendix E	Guidance Notes for Site - Noise Dust Control
Appendix F	Construction Plant Sound-Power Level Data

Appendix A
Site Setup Plan



NOTES:

All dimensions are in mm, unless otherwise stated.

Do not scale, all dimensions to be checked on site.

KEY

AC1 — 9760 x 3000 Accommodation 2 Stacked portable cabin: Meeting room GF Office FF

AC2 — 9760 x 3000 Accomodation: Stacked portable cabin: Canteen / drying room for separate trades.

WF — 4875 x 2745 portable cabin: W.F - Denotes welfare facilities (toilet & shower)

S.C. — 4875 x 2745 portable cabin: S.C. - Denotes storage cabin

Site boundary

Herras boundary fencing

Tree Protection

Pedestrian route with fencing as required

G — Generator

F — Fuel bowser

CCTV station

— Signage:
1. Caution site entrance
2. Caution vehicles turning
3. Construction site keep out
4. Site safety rules
5. Pedestrian route
6. Caution pedestrians crossing
7. First aid station
8. Fire muster point
9. Recycling station
10. Spill kits
11. Bucket changing area
12. Fuel storage area
13. One way
14. Wheel wash
15. 1000 Ltr Diesel Cube

Root Protection Area in accordance with BS5387:2012

DATE	DRAWN	DESCRIPTION OF REVISIONS	REVISION LETTER	CHECKED BY

PARKWAY CONSTRUCTION MK LIMITED
5 NEWTON COURT
KELVIN DRIVE, KNOWLHILL
MILTON KEYNES,MK5 8NH
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DRAWING STATUS: TENDER ISSUE

CLIENT: WRENBRIDGE

PROJECT: 55 MAYLANDS AVENUE, HEMEL HEMPSTEAD

DRAWING TITLE: PROPOSED SITE SETUP PLAN

DRAWING NUMBER: C233/SSP/001

DRAWING SCALE:	DRAWN BY:	DRAWN DATE:
1:200	D.H.	26.10.2023
PAPER SIZE:	CHECKED BY:	CHECKED DATE:
A1	A.C	26.10.2023

Appendix B
Traffic Routing Plan

NOTES:

All dimensions are in mm, unless otherwise stated.

Do not scale, all dimensions to be checked on site.

Direction of traffic to site

Direction of traffic from site

DATE	DRAWN	DESCRIPTION OF REVISIONS	REVISION LETTER	CHECKED BY
–	–	–	–	–

PARKWAY CONSTRUCTION MK LIMITED
5 NEWTON COURT
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DRAWING STATUS: FOR APPROVAL

CLIENT: WRENBRIDGE

PROJECT: 55 MAYLANDS AVENUE, HEMEL HEMPSTEAD.

DRAWING TITLE: TRAFFIC ROUTING AGREEMENT PLAN

DRAWING NUMBER: C233/SSP/002

DRAWING SCALE:	DRAWN BY:	DRAWN DATE:
N.T.S.	D.H.	17.01.24
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A3	D.H..	17.01.24

Appendix C
Programme

C233 - Maylands Avenue

Revision Date: 9th January 2024

Line	Name	Start	Finish
	TENDER		
1	RETURN	27/10/2023	27/10/2023
2	REVIEW	30/10/2023	08/12/2023
3	ISSUE CONTRACT OR LOI	08/12/2023	08/12/2023
4	DISCHARGE CONDITIONS	15/01/2024	08/03/2024
	LEAD IN / ORDER / COMMITMENT ITEMS		
5	CONSULTANT CONSTRUCTION DRAWING DEVELOPMENT PERIOD	11/12/2023	01/02/2024
6	STEEL LEAD-IN	13/02/2024	08/05/2024
7	CLADDING LEAD IN	11/03/2024	01/07/2024
8	PRECAST ITEMS	08/03/2024	20/05/2024
9	**DEMOLITION BY OTHERS**	04/01/2024	08/03/2024
	CONSTRUCTION		
10	MOBILIZATION	12/02/2024	08/03/2024
11	SITE SET UP	11/03/2024	15/03/2024
12	PROCESS 6F2 TO TYPE 1	18/03/2024	02/04/2024
13	CUT AND FILL TO LEVELS	25/03/2024	23/04/2024
14	TRIM STONE TO OVERSITE	17/04/2024	30/04/2024
15	FOUNDATIONS	17/04/2024	08/05/2024
16	RETAINING WALLS	24/04/2024	14/05/2024
17	STEEL FRAME	09/05/2024	18/06/2024
18	DOCKS AND WING WALL	05/06/2024	18/06/2024
19	DECKING & LIFT SHAFT PLACEMENT	21/05/2024	04/06/2024
20	INSTALL DECKING	12/06/2024	18/06/2024
21	POUR OFFICE FF & GF CORE CONCRETE FLOORS	19/06/2024	02/07/2024
22	GUTTERS, SYPHONIC & NETTING INSTALLATIONS	19/06/2024	01/07/2024
23	ROOF CLADDING	02/07/2024	09/08/2024
24	PV INSTALLATION	22/07/2024	16/08/2024
25	WALL CLADDING	02/07/2024	16/09/2024
26	WINDOWS AND SCREENS	29/07/2024	23/08/2024
27	STEEL OVERHANG	27/08/2024	02/09/2024
28	GLULAM COLUMNS	03/09/2024	16/09/2024
29	BRISE SOLEIL STRUCTURE & FINS	27/08/2024	16/09/2024
30	DOORS	27/08/2024	30/09/2024
31	INTERNAL FINISHES	05/08/2024	07/11/2024
32	FIRST FIX M, E, AC & VENT	05/08/2024	17/10/2024
33	SECOND FIX M&E	01/10/2024	04/11/2024
34	WAREHOUSE FLOOR SLAB	12/09/2024	25/09/2024
35	CURING PERIOD	26/09/2024	16/10/2024
36	TEST, COMMISSION, CLEAN, COMPLETION PERIOD	29/10/2024	15/11/2024
37	HANDOVER	15/11/2024	15/11/2024
	EXTERNALS		
38	SITE WIDE DRAINAGE	01/05/2024	08/07/2024
39	KERBS AND TRIM TO LEVELS	12/06/2024	26/07/2024
40	FORM ATTENUATION ZONE BELOW PAVING	09/07/2024	26/07/2024
41	CONCRETE YARDS	29/07/2024	09/09/2024
42	ACOUSTIC FENCE	10/09/2024	07/10/2024
43	PERMEABLE PAVING TO CAR PARK AREA	08/10/2024	01/11/2024
44	FENCING AND GATES	14/10/2024	01/11/2024
45	STREET FURNITURE, CYCLES & BIN STORES	04/11/2024	15/11/2024
46	LANDSCAPING	28/10/2024	15/11/2024

Milestone Appearances

◆ Diamond

Drawn By : M.Vicarage | **Programme Ref : Maylands Avenue** | **Issue Date : As Noted Above** | **Status : Contract**

Appendix D
Wheel Wash

Vehicle Wash Equipment

The SIP 08923 Tempest TP650/175 petrol powered pressure washer is particularly useful for those people who need the use of a pressure washer but don't have access to a mains power supply. The many features of this pressure washer make it the perfect choice for a variety of different situations;

The Tempest TP650/175 pressure washer has a powerful 6.5hp engine making it suitable for even the most heavy-duty pressure washing jobs

With an incredible 650 litres/hour flow rate (11 litres per minute) this pressure washer really is up to even the toughest cleaning jobs

The 2540 psi/175 bar pressure, makes it possible to tackle anything from agricultural work to heavy duty construction site work

The SIP 08923 has a heavy-duty wheel mounted frame with pneumatic tires for an increased "movability factor"

The substantial weight of 47 kg is heavy enough to be sturdy, strong and durable yet light enough to wheel around on the pneumatic tires and heavy-duty wheel mounted frame

The TP650 175 pressure washer is fitted with heavy duty brass head pumps to ensure that they will last for a long time

Extra brass fittings are supplied (long life fittings of course) for easy replacement as and when required

The heavy-duty rubber hose measures a useful 8 meters in length meaning that you can get in to clean almost anywhere, even in those awkward little places

A heavy-duty lance completes the features of this terrific 'work horse' pressure washer.

Vehicle Washing Procedures

Stage 1

Vehicle condition inspected by gateman

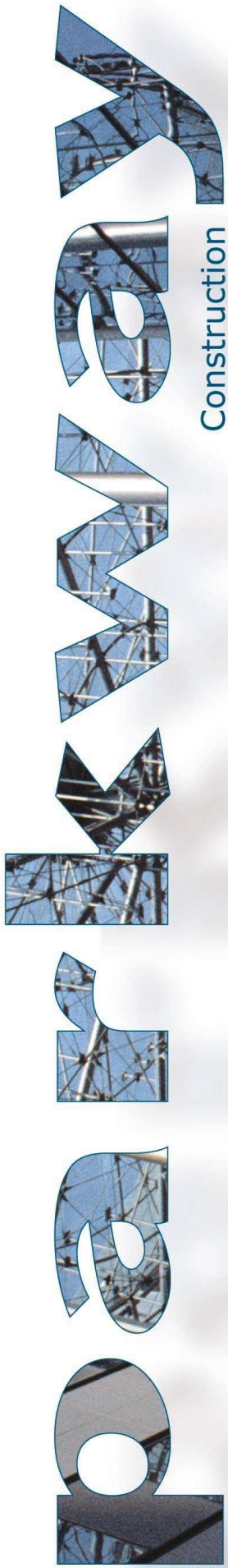
Stage 2

If necessary, vehicle pulls over into the dedicated wash area, cleaned and then final inspection by gateman

Stage 3

Vehicles exits site

Appendix E
Guidance Notes for Site - Noise Dust Control



Parkway Construction Guidance Notes on

Noise and Dust Control From Construction and Demolition Sites

C233
Maylands Avenue
Hemel Hempstead

Executive Summary

The purpose of this guidance note is to provide information to assist contractors to ensure as far as possible that they meet their legal duties. It has also been produced to inform contractors of what to expect from construction and demolition sites with relation to noise and dust control.

By its very nature this is a guidance note and as such it will detail the best practice methods that can be adopted by contractors. It is always Parkway Construction's aim to resolve all complaints arising from noise and dust from our construction sites informally in the first instance. Where possible we will try to reach compromise with adjoining properties and those who may be experiencing problems from our site.

It is always our intention to instigate any complaint of public nuisance, our site team and Project Manager will always take immediate action to resolve the matter. Head office involvement and/or action should only be as a last resort.

Noise Control

The Housing & Environmental Health Service expects contractors to minimise noise nuisance to local residents. We will endeavour to comply at all times with the Control of Pollution Act 1974 to control noise from demolition and construction sites. In certain circumstances should it be required we will negotiate quiet periods of working within our permitted hours, with local businesses.

This applies to:

a) The construction, engineering, repair and maintenance of any building, structure or road, and any associated works;

b) Shop fitting and any associated works;

c) Digging or boring under roads or land adjacent to any such works;

d) Any demolition works.

Compliance

Sub-contractors must provide, prior to works commencing, specific and accurate details to allow any risks to be assessed, regarding:

a) The works proposed and the methods to be used to carry them out; and

b) The steps proposed to minimise the noise from activities on the construction site.

All activities on site will be effectively coordinated and time managed, with strict adherence to working hours and earliest delivery times.

Early, positive communication with the residents / occupiers of adjacent properties will be undertaken in order to manage expectations. Site and head office contact names and phone numbers will be provided on these introductory letters.

Regular update letters will be hand delivered throughout the project and particularly prior to any noise sensitive operations that are scheduled.

Toolbox talks will be undertaken with plant operators to emphasise the requirements set out in this document and to ensure they are continually reminded of the noise target criterion / standards set.

Permitted Hours

Any works which can be heard outside the site boundary must only be carried out between:

Monday to Friday 08.00 am – 18.00 pm

Saturday 08.00 am – 13.00 pm

Sundays, Public and Bank Holidays No Working

These hours will only be extended in exceptional circumstances, eg:

i) Emergency works.

ii) Works required for immediate health and safety reasons.

iii) Power floating of internal floor slabs

iv) Works which are likely to cause major disruption to traffic, and where the Police or County Highways decide they should take place at night or at a weekend.

Note

In cases (i), (ii) and (iii) we will contact the Environmental Protection Section as soon as practically possible with the reason for the work and likely duration.

In case (iv) we will inform the Environmental Protection Section at least 14 days prior to commencement of the work.

In all cases we will also inform local residents about periods of work and the precise nature of the work. During sensitive times including night times or Sundays, we may still utilise certain restrictions in operating hours where we feel that the impact will be too great on local residents.

Methods of Work

All operations on site must be carried out to conform with BS 5228 Parts 1, 2 and 4, Noise Control on Construction and Open Sites. On all sites at all times the Best Practicable means to reduce noise to a minimum should be employed.

The following is a guide to Best Practicable means to minimise noise nuisance. Please note this is not an exhaustive list.

1. Wherever possible all sites should be totally surrounded by fencing or hoarding to the required height and density appropriate to the noise sensitivity of the location.

2. On this site all boundaries will be secured with Heras style fencing.

3. Wherever possible fixed items of construction plant should be electrically powered rather than diesel or petrol driven. Where this is not practicable suitable attenuation measures should be provided, such as acoustic enclosures.

4. Vehicles and mechanical plant used for the purpose of works should be fitted with effective exhaust silencers, be maintained in good and efficient working order, and operated in such a manner so as to minimise noise emissions. Relevant EC Directives/UK regulations should be complied with

5. All plant operated on site will conform with the following Sound-Power Levels. **Construction Plant Sound-Power Level Data**

6. On surface areas where environmental disturbance may arise compressors must be 'sound reduced' models fitted with properly lined and sealed acoustic covers kept closed whenever the machine is in use. In addition, pneumatic drills etc must be fitted with the most effective muffler or silencer available.

7. Machines in intermittent use should be shut down when not in use or throttled down to a minimum. Noise-emitting equipment which is required to run continuously may have to be housed in a suitable acoustic enclosure (refer to BS 5228)

8. Equipment which breaks concrete by pressure rather than by percussion or such other equipment as agreed should be used as far as reasonably practicable.

9. There should be no impact-driven sheet piling whenever possible, we expect contractors to use hydraulically operated vibrator methods to drive and extract sheet piling as far as reasonably practicable.

10. Where practicable rotary drills and bursters which are hydraulic or electrically powered should be used for breaking hard materials

11. Noisy plant and equipment should be sited as far away as practicable from residential or other noise sensitive properties. Barriers, e.g. soil banks, stockpiles of materials, site portacabins, proprietary acoustic barriers, or timber hoarding should be employed wherever possible

12. Care should be taken when loading and unloading vehicles, dismantling scaffolding or moving materials etc to reduce noise impact.

13. All deliveries of materials, plant and machinery to the site, and any removals of waste or other materials, must take place within the permitted hours and be subject to the Site Waste Management Plans Regulations 2013

14. The arrival of delivery vehicles to the site must be properly co-ordinated to prevent parking in local streets while awaiting access to the site.

15. Vehicles must not arrive before 07.30 am and should not park on the highway awaiting entry.

16. There must be adequate planning to ensure that lengthy operations e.g., concrete pours, can be completed within the permitted hours.

17. No employees, sub-contractors and persons employed on the site must cause unnecessary noise from their activities, e.g., excessive 'revving' of vehicle engines, music from radios, shouting etc and general bad behaviour.

18. We will ensure that all sub-contractors and other persons employed in connection with the site works should be aware of, and where practicable comply with these guidelines.

19. We will strictly adhere to the requirements of the Considerate Constructors Scheme and the requirements set out therein will be part of the site safety and environmental induction for each worker and visitor on the site.

General

In the interests of good public relations, we will inform and consult local residents, businesses and others in the community regarding works and to give them the name of an appointed person on site that will be able to deal with queries. We, as the main contractor are responsible for the activities of all sub-contractors on site.

Air Pollution

Sub-contractors on site have a duty to adopt Best Practicable means to minimise dust nuisance arising from the site activity.

The following is a guide to Best Practicable Means to minimise dust nuisance. Please note this is not an exhaustive list.

a) In order to prevent dust nuisance to adjoining occupiers, there will be adequate screening and damping down during all clearance work, breaking of existing ground surfaces and other site preparation activities.

b) Major haul routes on site will be watered as necessary to minimise dust nuisance. Where practical they will be stabilised (e.g. compacted) to reduce off site transport of soil and other material. This particularly applies to site exits.

c) We will provide suitable wheel washing equipment, as appropriate, at site entrances and exits. Washing and spraying should be carried out in an area with adequate drainage to avoid creating large amounts of mud.

d) Storage locations for all materials that create dust, including soil, must be away from the site boundary except where impractical, aggregated where possible to avoid the creation of many stockpiles, adequately screened to prevent wind loss and damped down where practical when being handled, especially when designed for long term use.

e) Paved roads near to exits will be kept clean, and vehicles transporting dusty materials onto and off the site will be suitably covered.

f) Rubble chutes and skips should be used where appropriate. There must be an effective close-fitting cover at the point of discharge to the skip to contain all dust and other debris. In addition, the chutes should be continuous to the point of discharge, with no gaps, and maintained in good condition.

g) Rubbish and waste materials must not be allowed to accumulate on site. A good standard of 'housekeeping' must be maintained.

h) There shall be no on-site bonfires for any purpose whatsoever.

i) Lorries and plant with diesel or petrol engines on or off site should be well maintained in order to reduce emissions of visible smoke. Engines should not be left running unnecessarily, and plant and vehicle must not be parked in a position which could give rise to nuisance from exhaust fumes.

j) When positioning tar boilers, consideration needs to be made with regard to the location of nearby residents and businesses. The lid of the boiler should remain in place throughout the duration of the tar boiler being on site. The sub-contractor is expected to use best practice at all times to keep smoke emissions to a minimum.

k) Sub-contractors should take all precautions to prevent the emission of fumes from stored fuel oils, for safety and potential nuisance reasons. Fuel storage tanks should be contained in impermeable enclosures and/or bunded tanks with walls to contain any spillage.

l) We will as far as is reasonably practicable comply with the Clean Air Act and Environmental Protection Act to prevent smoke and dust nuisance.

Appendix F
Construction Plant Sound-Power Level Data

Construction plant sound power level data

Table 0-1: Activity Noise Level – Site Preparation and Earthworks

Plant	Quantity	L_{Aeq} @ 10m (dB)	Sound Power Level (dB)
Rubber Tyred Excavator	1	66	94
Tractors	1	79	107
Rollers	1	80	108
Road lorries for import / disposal	2	80	108
Hydraulic Pick	2	88	116
Diesel Generator	2	65	93
Total			118

Table 0-2: Activity Noise Level – Construction of Road Pavement

Plant	Quantity	L_{Aeq} @ 10m (dB)	Sound Power Level (dB)
Road Roller	1	80	108
Vibratory Roller	1	80	108
Vibratory Compactor	1	82	110
Asphalt Paver	1	75	103
Road Sweeper	1	76	104
Removal/Delivery of Materials	1	80	108
Concrete Pump	2	81	109
Water Pump 3"	6	62	90
Diesel Generator	2	65	93
Total			116

Table 0-3: Activity Noise Level – Compound Building Construction

Plant	Quantity	L_{Aeq} @ 10m (dB)	Sound Power Level (dB)
Electric Bolters	3	77	105
Handheld air tools	3	82	110
Mobile Crane	1	77	105
Diesel Generator	2	65	93
Total			112

VERSATILE BY DESIGN, QUALITY IN CONSTRUCTION

Prepared by
Parkway Construction MK Limited
5 Newton Court, Kelvin Drive, Knowlhill, Milton Keynes, MK5 8NH

T: 01908 395000
E: mail@parkwaymk.com
W: www.parkwaymk.com

Appendix D
Proposed Vehicle Types & Movement

Vehicle Movements - Maylands Avenue

Week Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Type of Vehicle																																				
Low Loader	3		3		2								4					2	2			2			2		1	1								
8 wheeler				6		20	24			30				20	5		15	15	12	8	6						4	6	2	8	6					
Articulated	6			3							2	6	12		6	12		7	5			6	6	8		4						4	6		
Rigid	2			2	1						2	2			4	6	4	3	6	4	6		9	8	9	3	8	14	2	5	4	9	8	9	3	8
Skip		3	3				1				1		1			2		2	2		2			3			2			1		2		3		
Box Van		2										1	1		2			1	3					3	1	2									
Transit Van		15		15	20	20	20	25	25	15	20	15	15	12	14	15	12	11	15	20	15	15	12	14	15	9	20	15	15	12	14	15	16	12	11	16
Crane												1	2	2	3			0	0			1	1	1					1	1	1	1				
Concrete Waggon								24	24	24	6	2	2	4		30	30	23	20	5	4	36	36		8		12	9					18	45	50	18
Concete Pump								1	1	1						2	3	1	1			1	1		1										
Vans	20	40	25	30	20	20	25	30	25	20	25	20	25	20	25	30	25	25	25	20	25	20	25	30	25	40	42	46	40	40	55	38	42	46	40	40
Cars	20	30	25	30	35	35	25	24	20	35	36	20	25	20	30	20	25	35	30	20	25	20	30	20	25	60	60	62	65	55	63	60	54	66	58	49
Push Bikes	2		5	5	5	5	5	5	5	5	5	5	5	10	10	10	10	10	10	10	10	10	10	10	10	15	15	15	15	15	15	15	15	15	15	15
Movements Per Week	53	90	61	91	83	100	100	109	100	130	97	72	92	88	99	127	124	135	131	87	93	111	130	97	96	133	164	168	140	137	158	140	157	202	177	146
Movements Per Day	11	18	12	18	17	20	20	22	20	26	19	14	18	18	20	25	25	27	26	17	19	22	26	19	19	27	33	34	28	27	32	28	31	40	35	29

Appendix E
Entrance & Exit Swept Path Analysis

NOTES:

All dimensions are in mm, unless otherwise stated.

Do not scale, all dimensions to be checked on site.

KEY

- AC1 — 9760 x 3000 Accommodation 2 Stacked portable cabin: Meeting room GF, Office FF
- AC2 — 9760 x 3000 Accomodation: Stacked portable cabin: Canteen / drying room for separate trades.
- WF — 4875 x 2745 portable cabin: W.F - Denotes welfare facilities (toilet & shower)
- S.C. — 4875 x 2745 portable cabin: S.C. - Denotes storage cabin
- Site boundary
- Herras boundary fencing
- Tree Protection
- Pedestrian route with fencing as required
- G — Generator
- F — Fuel bowser
- CCTV station
- ## — Signage:
  1. Caution site entrance
  2. Caution vehicles turning
  3. Construction site keep out
  4. Site safety rules
  5. Pedestrian route
  6. Caution pedestrians crossing
  7. First aid station
  8. Fire muster point
  9. Recycling station
  10. Spill kits
  11. Bucket changing area
  12. Fuel storage area
  13. One way
  14. Wheel wash
  15. 1000 Ltr Diesel Cube
- Root Protection Area in accordance with BS5387:2012

DATE	DRAWN	DESCRIPTION OF REVISIONS	REVISION LETTER	CHECKED BY

PARKWAY CONSTRUCTION MK LIMITED
5 NEWTON COURT
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MILTON KEYNES,MK5 8NH
TEL: +44 (0)1908 395000
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DRAWING STATUS: TENDER ISSUE

CLIENT: WRENBRIDGE

PROJECT: 55 MAYLANDS AVENUE, HEMEL HEMPSTEAD

DRAWING TITLE: PROPOSED SITE SETUP PLAN

DRAWING NUMBER: C233/SSP/001

DRAWING SCALE:	DRAWN BY:	DRAWN DATE:
1:200	D.H.	26.10.2023
PAPER SIZE:	CHECKED BY:	CHECKED DATE:
A1	A.C	26.10.2023

Appendix F
Programme

C233 - Maylands Avenue

Revision Date: 9th January 2024

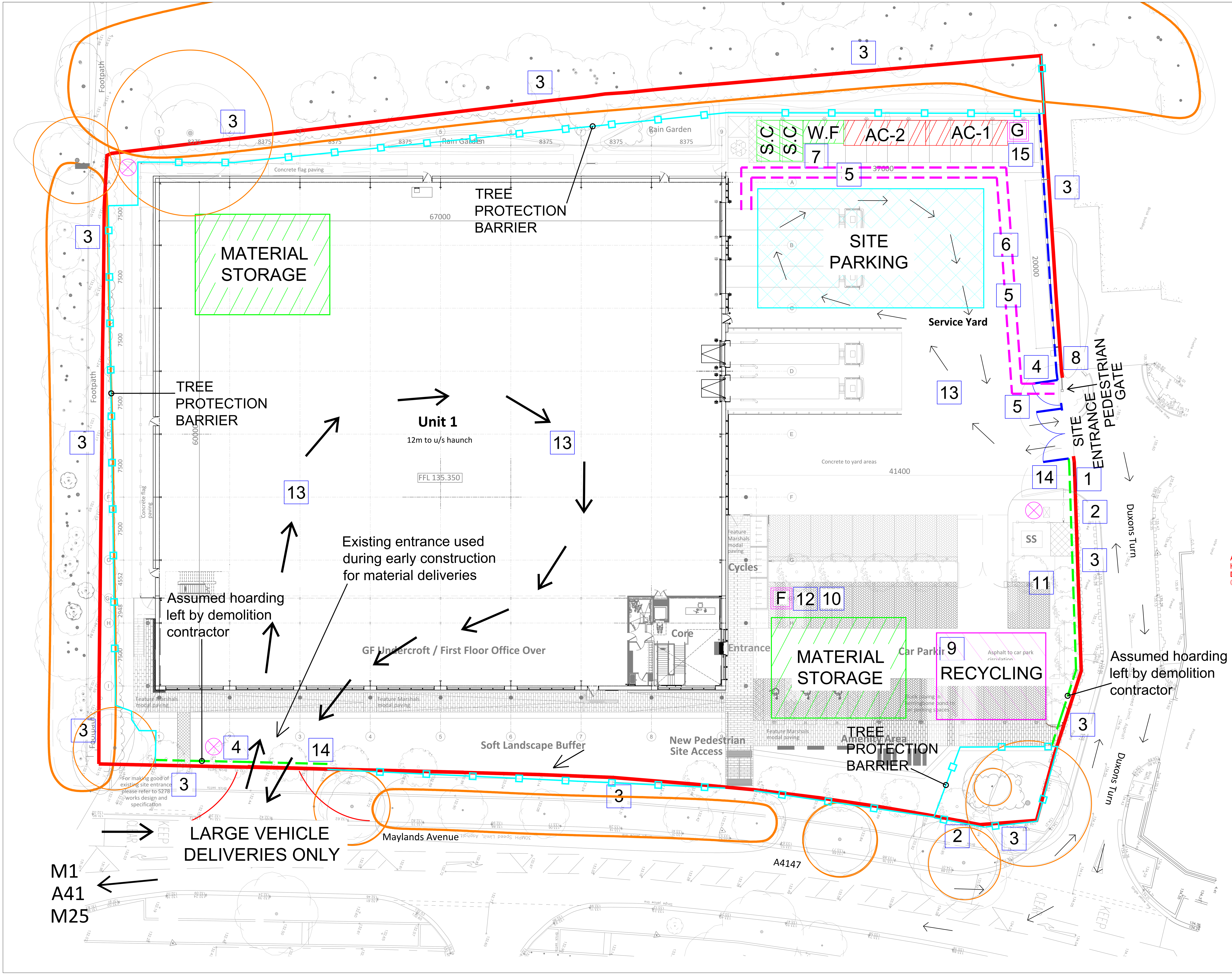
Line	Name	Start	Finish
	TENDER		
1	RETURN	27/10/2023	27/10/2023
2	REVIEW	30/10/2023	08/12/2023
3	ISSUE CONTRACT OR LOI	08/12/2023	08/12/2023
4	DISCHARGE CONDITIONS	15/01/2024	08/03/2024
	LEAD IN / ORDER / COMMITMENT ITEMS		
5	CONSULTANT CONSTRUCTION DRAWING DEVELOPMENT PERIOD	11/12/2023	01/02/2024
6	STEEL LEAD-IN	13/02/2024	08/05/2024
7	CLADDING LEAD IN	11/03/2024	01/07/2024
8	PRECAST ITEMS	08/03/2024	20/05/2024
9	**DEMOLITION BY OTHERS**	04/01/2024	08/03/2024
	CONSTRUCTION		
10	MOBILIZATION	12/02/2024	08/03/2024
11	SITE SET UP	11/03/2024	15/03/2024
12	PROCESS 6F2 TO TYPE 1	18/03/2024	02/04/2024
13	CUT AND FILL TO LEVELS	25/03/2024	23/04/2024
14	TRIM STONE TO OVERSITE	17/04/2024	30/04/2024
15	FOUNDATIONS	17/04/2024	08/05/2024
16	RETAINING WALLS	24/04/2024	14/05/2024
17	STEEL FRAME	09/05/2024	18/06/2024
18	DOCKS AND WING WALL	05/06/2024	18/06/2024
19	DECKING & LIFT SHAFT PLACEMENT	21/05/2024	04/06/2024
20	INSTALL DECKING	12/06/2024	18/06/2024
21	POUR OFFICE FF & GF CORE CONCRETE FLOORS	19/06/2024	02/07/2024
22	GUTTERS, SYPHONIC & NETTING INSTALLATIONS	19/06/2024	01/07/2024
23	ROOF CLADDING	02/07/2024	09/08/2024
24	PV INSTALLATION	22/07/2024	16/08/2024
25	WALL CLADDING	02/07/2024	16/09/2024
26	WINDOWS AND SCREENS	29/07/2024	23/08/2024
27	STEEL OVERHANG	27/08/2024	02/09/2024
28	GLULAM COLUMNS	03/09/2024	16/09/2024
29	BRISE SOLEIL STRUCTURE & FINS	27/08/2024	16/09/2024
30	DOORS	27/08/2024	30/09/2024
31	INTERNAL FINISHES	05/08/2024	07/11/2024
32	FIRST FIX M, E, AC & VENT	05/08/2024	17/10/2024
33	SECOND FIX M&E	01/10/2024	04/11/2024
34	WAREHOUSE FLOOR SLAB	12/09/2024	25/09/2024
35	CURING PERIOD	26/09/2024	16/10/2024
36	TEST, COMMISSION, CLEAN, COMPLETION PERIOD	29/10/2024	15/11/2024
37	HANDOVER	15/11/2024	15/11/2024
	EXTERNALS		
38	SITE WIDE DRAINAGE	01/05/2024	08/07/2024
39	KERBS AND TRIM TO LEVELS	12/06/2024	26/07/2024
40	FORM ATTENUATION ZONE BELOW PAVING	09/07/2024	26/07/2024
41	CONCRETE YARDS	29/07/2024	09/09/2024
42	ACOUSTIC FENCE	10/09/2024	07/10/2024
43	PERMEABLE PAVING TO CAR PARK AREA	08/10/2024	01/11/2024
44	FENCING AND GATES	14/10/2024	01/11/2024
45	STREET FURNITURE, CYCLES & BIN STORES	04/11/2024	15/11/2024
46	LANDSCAPING	28/10/2024	15/11/2024

Milestone Appearances

◆ Diamond

Drawn By : M.Vicarage | **Programme Ref : Maylands Avenue** | **Issue Date : As Noted Above** | **Status : Contract**

Appendix G
Site Set Up Plan



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Appendix H
Wheel Wash

Vehicle Wash Equipment

The SIP 08923 Tempest TP650/175 petrol powered pressure washer is particularly useful for those people who need the use of a pressure washer but don't have access to a mains power supply. The many features of this pressure washer make it the perfect choice for a variety of different situations;

The Tempest TP650/175 pressure washer has a powerful 6.5hp engine making it suitable for even the most heavy-duty pressure washing jobs

With an incredible 650 litres/hour flow rate (11 litres per minute) this pressure washer really is up to even the toughest cleaning jobs

The 2540 psi/175 bar pressure, makes it possible to tackle anything from agricultural work to heavy duty construction site work

The SIP 08923 has a heavy-duty wheel mounted frame with pneumatic tires for an increased "movability factor"

The substantial weight of 47 kg is heavy enough to be sturdy, strong and durable yet light enough to wheel around on the pneumatic tires and heavy-duty wheel mounted frame

The TP650 175 pressure washer is fitted with heavy duty brass head pumps to ensure that they will last for a long time

Extra brass fittings are supplied (long life fittings of course) for easy replacement as and when required

The heavy-duty rubber hose measures a useful 8 meters in length meaning that you can get in to clean almost anywhere, even in those awkward little places

A heavy-duty lance completes the features of this terrific 'work horse' pressure washer.

Vehicle Washing Procedures

Stage 1

Vehicle condition inspected by gateman

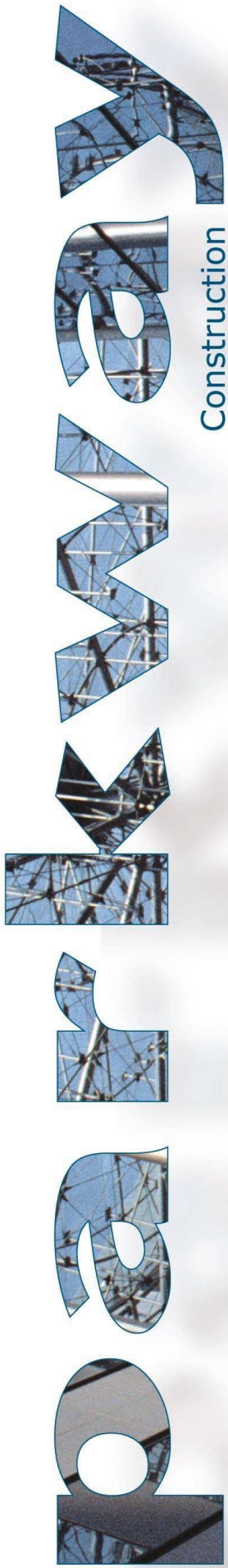
Stage 2

If necessary, vehicle pulls over into the dedicated wash area, cleaned and then final inspection by gateman

Stage 3

Vehicles exits site

Appendix J
Guidance Notes for Site – Noise & Dust Control



Parkway Construction Guidance Notes on

Noise and Dust Control From Construction and Demolition Sites

C233
Maylands Avenue
Hemel Hempstead

Executive Summary

The purpose of this guidance note is to provide information to assist contractors to ensure as far as possible that they meet their legal duties. It has also been produced to inform contractors of what to expect from construction and demolition sites with relation to noise and dust control.

By its very nature this is a guidance note and as such it will detail the best practice methods that can be adopted by contractors. It is always Parkway Construction's aim to resolve all complaints arising from noise and dust from our construction sites informally in the first instance. Where possible we will try to reach compromise with adjoining properties and those who may be experiencing problems from our site.

It is always our intention to instigate any complaint of public nuisance, our site team and Project Manager will always take immediate action to resolve the matter. Head office involvement and/or action should only be as a last resort.

Noise Control

The Housing & Environmental Health Service expects contractors to minimise noise nuisance to local residents. We will endeavour to comply at all times with the Control of Pollution Act 1974 to control noise from demolition and construction sites. In certain circumstances should it be required we will negotiate quiet periods of working within our permitted hours, with local businesses.

This applies to:

a) The construction, engineering, repair and maintenance of any building, structure or road, and any associated works;

b) Shop fitting and any associated works;

c) Digging or boring under roads or land adjacent to any such works;

d) Any demolition works.

Compliance

Sub-contractors must provide, prior to works commencing, specific and accurate details to allow any risks to be assessed, regarding:

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iii) Power floating of internal floor slabs

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In case (iv) we will inform the Environmental Protection Section at least 14 days prior to commencement of the work.

In all cases we will also inform local residents about periods of work and the precise nature of the work. During sensitive times including night times or Sundays, we may still utilise certain restrictions in operating hours where we feel that the impact will be too great on local residents.

Methods of Work

All operations on site must be carried out to conform with BS 5228 Parts 1, 2 and 4, Noise Control on Construction and Open Sites. On all sites at all times the Best Practicable means to reduce noise to a minimum should be employed.

The following is a guide to Best Practicable means to minimise noise nuisance. Please note this is not an exhaustive list.

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2. On this site all boundaries will be secured with Heras style fencing.

3. Wherever possible fixed items of construction plant should be electrically powered rather than diesel or petrol driven. Where this is not practicable suitable attenuation measures should be provided, such as acoustic enclosures.

4. Vehicles and mechanical plant used for the purpose of works should be fitted with effective exhaust silencers, be maintained in good and efficient working order, and operated in such a manner so as to minimise noise emissions. Relevant EC Directives/UK regulations should be complied with

5. All plant operated on site will conform with the following Sound-Power Levels. **Construction Plant Sound-Power Level Data**

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8. Equipment which breaks concrete by pressure rather than by percussion or such other equipment as agreed should be used as far as reasonably practicable.

9. There should be no impact-driven sheet piling whenever possible, we expect contractors to use hydraulically operated vibrator methods to drive and extract sheet piling as far as reasonably practicable.

10. Where practicable rotary drills and bursters which are hydraulic or electrically powered should be used for breaking hard materials

11. Noisy plant and equipment should be sited as far away as practicable from residential or other noise sensitive properties. Barriers, e.g. soil banks, stockpiles of materials, site portacabins, proprietary acoustic barriers, or timber hoarding should be employed wherever possible

12. Care should be taken when loading and unloading vehicles, dismantling scaffolding or moving materials etc to reduce noise impact.

13. All deliveries of materials, plant and machinery to the site, and any removals of waste or other materials, must take place within the permitted hours and be subject to the Site Waste Management Plans Regulations 2013

14. The arrival of delivery vehicles to the site must be properly co-ordinated to prevent parking in local streets while awaiting access to the site.

15. Vehicles must not arrive before 07.30 am and should not park on the highway awaiting entry.

16. There must be adequate planning to ensure that lengthy operations e.g., concrete pours, can be completed within the permitted hours.

17. No employees, sub-contractors and persons employed on the site must cause unnecessary noise from their activities, e.g., excessive 'revving' of vehicle engines, music from radios, shouting etc and general bad behaviour.

18. We will ensure that all sub-contractors and other persons employed in connection with the site works should be aware of, and where practicable comply with these guidelines.

19. We will strictly adhere to the requirements of the Considerate Constructors Scheme and the requirements set out therein will be part of the site safety and environmental induction for each worker and visitor on the site.

General

In the interests of good public relations, we will inform and consult local residents, businesses and others in the community regarding works and to give them the name of an appointed person on site that will be able to deal with queries. We, as the main contractor are responsible for the activities of all sub-contractors on site.

Air Pollution

Sub-contractors on site have a duty to adopt Best Practicable means to minimise dust nuisance arising from the site activity.

The following is a guide to Best Practicable Means to minimise dust nuisance. Please note this is not an exhaustive list.

a) In order to prevent dust nuisance to adjoining occupiers, there will be adequate screening and damping down during all clearance work, breaking of existing ground surfaces and other site preparation activities.

b) Major haul routes on site will be watered as necessary to minimise dust nuisance. Where practical they will be stabilised (e.g. compacted) to reduce off site transport of soil and other material. This particularly applies to site exits.

c) We will provide suitable wheel washing equipment, as appropriate, at site entrances and exits. Washing and spraying should be carried out in an area with adequate drainage to avoid creating large amounts of mud.

d) Storage locations for all materials that create dust, including soil, must be away from the site boundary except where impractical, aggregated where possible to avoid the creation of many stockpiles, adequately screened to prevent wind loss and damped down where practical when being handled, especially when designed for long term use.

e) Paved roads near to exits will be kept clean, and vehicles transporting dusty materials onto and off the site will be suitably covered.

f) Rubble chutes and skips should be used where appropriate. There must be an effective close-fitting cover at the point of discharge to the skip to contain all dust and other debris. In addition, the chutes should be continuous to the point of discharge, with no gaps, and maintained in good condition.

g) Rubbish and waste materials must not be allowed to accumulate on site. A good standard of 'housekeeping' must be maintained.

h) There shall be no on-site bonfires for any purpose whatsoever.

i) Lorries and plant with diesel or petrol engines on or off site should be well maintained in order to reduce emissions of visible smoke. Engines should not be left running unnecessarily, and plant and vehicle must not be parked in a position which could give rise to nuisance from exhaust fumes.

j) When positioning tar boilers, consideration needs to be made with regard to the location of nearby residents and businesses. The lid of the boiler should remain in place throughout the duration of the tar boiler being on site. The sub-contractor is expected to use best practice at all times to keep smoke emissions to a minimum.

k) Sub-contractors should take all precautions to prevent the emission of fumes from stored fuel oils, for safety and potential nuisance reasons. Fuel storage tanks should be contained in impermeable enclosures and/or bunded tanks with walls to contain any spillage.

l) We will as far as is reasonably practicable comply with the Clean Air Act and Environmental Protection Act to prevent smoke and dust nuisance.

Appendix K
Construction Plant Sound-Power Level Data

Construction plant sound power level data

Table 0-1: Activity Noise Level – Site Preparation and Earthworks

Plant	Quantity	L_{Aeq} @ 10m (dB)	Sound Power Level (dB)
Rubber Tyred Excavator	1	66	94
Tractors	1	79	107
Rollers	1	80	108
Road lorries for import / disposal	2	80	108
Hydraulic Pick	2	88	116
Diesel Generator	2	65	93
Total			118

Table 0-2: Activity Noise Level – Construction of Road Pavement

Plant	Quantity	L_{Aeq} @ 10m (dB)	Sound Power Level (dB)
Road Roller	1	80	108
Vibratory Roller	1	80	108
Vibratory Compactor	1	82	110
Asphalt Paver	1	75	103
Road Sweeper	1	76	104
Removal/Delivery of Materials	1	80	108
Concrete Pump	2	81	109
Water Pump 3"	6	62	90
Diesel Generator	2	65	93
Total			116

Table 0-3: Activity Noise Level – Compound Building Construction

Plant	Quantity	L_{Aeq} @ 10m (dB)	Sound Power Level (dB)
Electric Bolters	3	77	105
Handheld air tools	3	82	110
Mobile Crane	1	77	105
Diesel Generator	2	65	93
Total			112

VERSATILE BY DESIGN, QUALITY IN CONSTRUCTION

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