



'CONSTRUCTION METHOD STATEMENT'

PLANNING REFERENCE: 11891/APP/2018/3414

At

BOURNE COURT

SOUTH RUISLIP

HA4 6SW

Sept 2019

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1. DESCRIPTION OF THE WORKS

The project relates to the erection of residential development comprising 87 residential units in 2 blocks of flats.

The programme of works will begin with the initial enabling works for occupation of the site and then commencement of ground works for foundations, ground floor slabs, drainage and highways work. Once the groundworks are complete, superstructure works will commence up to and including works to roof levels allowing the structural shell of the building to be completed

Once the shell is completed and weathertight, internal trades will commence finishing works and services installations, including all ancillary highways, parking and other access works

2. EXISTING BOUNDARIES

All necessary temporary fencing / hoarding will be maintained in a safe and appropriate manner until such as the areas are ready for occupancy

The majority of the existing boundaries are formed by existing fences and building. During construction 2.4 high timber hoarding will be provided to public boundaries and fencing panels to private boundaries

The temporary boundary with the highway will be in accordance with our Proposed Site Plan as attached.

3. SITE TRAFFIC AND TRAFFIC MANAGEMENT HOLDING AREA

The management of traffic will be the responsibility of the demolition or groundworks contractor during demolition. During the groundworks phase prior to start of brickwork the groundworker will be responsible. Prior to commencement of superstructure walls, Clearview Homes will take over the traffic management for the duration of the project.

The responsible person will coordinate deliveries so that items such as muck away or concrete are at a minimum spacing of 15 minutes to eliminate stacking. All material orders are to be placed with a requirement that the driver has to phone site 15 minutes in advance to agree access will be available. The site manager books in all deliveries manages the driver's arrival time to prevent duplicated arrival times and direct delivery drivers to the designated waiting areas where necessary, if changes occur refer to Appendix C for holding areas.

ALL SITE TRAFFIC IS TO FOLLOW THE DIRECTIONS BELOW

ARRIVAL & DEPARTURE

Phone site prior to arrival

Approach to Bourne Court should be via South Ruislip.

On Site Induction everyone will be informed that there will be NO on-site parking for any sub-contractors, and that ALL contractors will be encouraged to use Local public transport in accordance with the Green Travel Plan. See Appendix E

Turn left or Right turning into site under guidance of banksman. Do not park on double yellow lines or areas of designated residential parking

All construction vehicles servicing the site will access the site Bourne Court where they will be banked safely onto the development for unloading as per our Proposed Site Plan Dwg No.100 It will also be indicated on the Traffic Management Plan displayed in the site office and conveyed to all site operatives at pre-commencement and during site inductions

When necessary a mobile jet wash and bowser will be employed to remove mud from construction vehicles to prevent soiling the public highway. Periodically a road sweeper will be employed to clean the roads and the surrounding road network. Strict traffic management on site and the use of hardstanding areas should minimise the risk of vehicles tracking debris from the site. The banksman will remove any clods of soil that might drop on the highway if it occurs, however keeping deliveries on the hardstanding should avoid mud being deposited on site

The site is being developed over a period of approximately 12-18 months. The details below demonstrate the anticipated traffic movements to and from site -

Rigid Vehicles (7.5 – 20ton): 20 per week peaking typically at 45 per week

Vans (1.5ton): 2 per day

Concrete Lorries: 15 per week during foundation construction operations

Pedestrians passing the site are protected by means of a maintained 1.8m footpath on Bourne Court. The provision of a banksman to manage vehicles arriving and leaving the site also serves to protect pedestrians and cyclists.

4. EMERGENCY ROUTES AND THIRD-PARTY ACCESS

The principle contractor's site manager will be responsible for the Implementation and maintenance of the entire site safety, health and environments procedures

Sub-contractors & suppliers will be made aware of all our safety, health and environmental procedures during the contract stage and again during the site-based induction procedures. The Construction Director will review performance periodically and implement any improvement measures thru-out the duration of the project

5. EMERGENCY SERVICES:

The site manager will insist that all staff and subcontractors are made fully aware of all the emergency procedures during the construction phase in accordance with the Construction Phase and Traffic Management Plans. This will include safe and tidy access throughout the development, clear signage of exit routes, regular updates and reviews with site staff and

subcontractors. This will be reviewed throughout the construction programme until completion.

6. LOCAL ENVIRONMENTAL CONSIDERATIONS

The existing goodwill and working relationship with the local residents will be important in the decisions of the site manager in his implementation of the build programme. This will include strict implementation of the working hours, due consideration to all complaints received via the site office, awareness of noise from plant and machinery, awareness of any potential dust issues, with additional precautions implemented during dry and windy weather conditions

The site and boundaries will be kept clean and records / audits will be reviewed by the site managers throughout the development. The site-specific Construction Phase Plan will include all the above items and reviewed to reflect any changes within the build programme

7. SITE SET UP

A site office and first aid station, washroom, changing/drying room and canteen will be provided. All access and egress from the site will be as indicated on the attached plan.

8. TREE PROTECTION

Tree and root protection barriers will be established on site prior to any works in the vicinity of the trees taking place. The position of the protective fencing is indicated on our Proposed Site Plan Dwg No.100 and shall be implemented by first marking out on site using biodegradable paint. Once erected the fence shall be clearly marked with signs reading "CONSTRUCTION EXCLUSION ZONE" "NO ACCESS" The initial position for the protective fencing is indicated by the magenta line on the submitted drawing and shall be maintained until the NO DIG surfacing construction is to be undertaken on the development. At which time in order to enable access to execute the NO DIG works, the fencing shall be carefully dismantled and re-erected, along with its signage, on the blue protection line indicated on the drawing. The fencing will consist of protective barriers constructed in accordance with the details provided at appendix B of this document.

9. LOADING AND UNLOADING OF PLANT AND MATERIALS

Plant and material deliveries will be via Bourne Court and will be unloaded via a mobile crane or fork lifts from the unloading area within the site boundary as indicated on proposed site plan.

All delivery vehicles are to turn their engines off when stopped unless the engine is requiring for operational purposes.

All CVR deliveries to be between 9:30 – 3:00 pm, including ALL contractors' deliveries

10. STORAGE OF PLANT AND MATERIAL

Plant will be stored and secured behind fencing or in lockable containers and if necessary, plant will be disabled outside of normal working hours

Materials will also be stored in either lockable steel containers for high value items or palletted loose materials for crane distribution. Some loose materials such as bricks and blocks may be offloaded into temporary storage areas closer to their intended final location to reduce crane or fork lift movements and such storage will be identified on the traffic management plan as the site progress.

11. SITE WASTE MANAGEMENT PLAN

A site waste management plan will be available upon commencement on site detailing our proposals to minimise waste and to reuse and recycle where possible – See Appendix D/ Refuse Management Plan. A typically site example is attached showing monthly waste analysis reports, which Clearview Homes implement on all our sites which are reported on a monthly basis.

12. SITE WORKING HOURS

Site working hours are between 8.00am and 6.00pm Monday to Friday and 8.00am to 1.00pm on Saturday. No work will be undertaken on Sundays or Bank holidays.

13. SITE ACCESS AND MANAGEMENT

a. Pedestrian access to the site

Visitors access and egress the site via the walkways indicated on our Proposed Site Plan Dwg No.100

b. Wheel Washing Facilities and Control Measures for Minimising Dust

The site manager will monitor any operations which are, or have the potential to cause nuisance and/or dust on the site. Works will be reviewed and if necessary, stopped until mitigation measures are fully implemented. Brick and concrete will be cut using only water fed machines

Wheel washing facilities will be in place near the site entrance and all vehicles entering and leaving the site, will be cleaned down prior to exiting the site. The roads will be swept and cleaned when required and the site manager will have an open order for road sweeping during the groundworks phase

c. Plant and Delivery Vehicles

All vehicles will travel on existing public roads, temporary haul roads or hardstanding's to minimise the risk of raising dust. Where site operations require machinery to go off road, the machine drivers will be required to assess the individual situation and take precautionary measures if dust is likely to be raised and cause a nuisance.

d. Inclement Weather Conditions

During the course of the works there may be periods of inclement weather which may have an effect on the control of dust. This could be due to long dry spells or periods of strong winds or both. If such conditions are encountered and have an effect on air quality, the site manager may temporarily suspend site operations until the conditions improve

e. Site Roads

Where necessary the site roads will be dampened down using a road brush, this will have the effect of both removing dust and dampening the roads

f. Control Measures for Minimising Noise

The use of radios and musical equipment will be restricted and managed so as not to cause nuisance to the adjoining neighbours

14. SITE SECURITY

Out of hours the site will be monitored and reviewed periodically as the development is completed and occupied. The local Police will be consulted during the development to minimise any impact on the local residents surrounding the site, with measures such as CCTV and/or mobile patrols implemented as necessary

15. SECURITY HOARDING

The site will benefit from a 2.4m high hoarding to all exposed public boundaries, namely along Bourne Court, unless temporary works are undertaken where this will be replaced in sections by double clipped Heras fencing until reinstatement of the main hoarding is possible

These perimeter arrangements will be left in place as long as possible and will only be removed as areas of the site are completed. As works progress internally and residents move in to occupy individual houses, segregation and security will be by way of a 2.0m high double clipped Heras fencing panels, where required. Public access to our Sales areas will be maintained at all times once implemented, but with measures to restrict unauthorised access to the construction area strictly enforced. The Traffic Management plan will detail restricted areas during the course of construction.

16. SECTION 50 – CROSSOVER LICENCE

A Section 50 Street Works Licence application will be made to Highways Network Management NRSWA @ Hillingdon Council.

17. CONTACT DETAILS

Clearview Homes Head Office is available on 01923 840048 and the Site Manager will act as our emergency point of contact.

The site manager for Clearview Homes is still to be allocated and details will be posted at the site visible to members of the public and giving details of the name and contact telephone numbers.

18. MONITORING AND COMPLAINTS

During the demolition and groundworks phases the demolition and groundworks contractors will act as Principal Contractor, with all deliveries and orders being placed and managed by them. During this stage Clearview Homes will monitor the construction management plan during monthly progress meetings and by inspections at periodic but varied intervals

The site manager will inspect the highway outside the site at the end of each working day. In the event that any damage has occurred, Clearview Homes will liaise directly with Harrow Council Highways to determine the most appropriate means and timescale for repairs

In the event of a complaint, it should be addressed to Clearview Homes Ltd, Clearview House, 201 Pinner Road, HA6 1BX in the first instance, Tel 01923 840048.

19. NOISE POLLUTION & CONTROL

Noise control will primarily be dealt with at source. Mechanical plant and equipment will be selected and specified taking its noise profile into consideration. All plant and equipment will be of modern design and manufacture to benefit from up to date developments in technology for noise reduction. Any plant in excess of four years old will not be allowed on site to promote efficiency and to ensure that the site benefits from advances in technology. All plant must be regularly serviced to ensure that it is operating at maximum efficiently thus further reducing noise and air pollution.

Where possible, electrically driven plant will be used such as mortar silos as opposed to diesel driven mortar mixers. If petrol- or diesel-powered plant is required, as stated above this will be properly maintained and checked regularly.

Appropriate acoustic baffles will be fitted to air intake and exhaust systems. Stationary equipment, such as compressors will be fitted with shields to mitigate noise outbreak. Excavators, dumpers etc. will have exhaust suppressors. All site operatives will be properly trained in loading, unloading, excavation and handling techniques to prevent improper use of equipment which can generate unnecessary noise. All plant operators will be advised to switch off the machines engines when plant is not in use to reduce noise and air pollution.

The construction of the building envelope will be carried out in as short a programmed as possible to minimize any inconvenience to the local residents and businesses both in

terms of noise and air pollution. This means that the enclosure of the building occurs early in the overall programme and any noise generating activities will be carried out internally, shielded from the external environment.

Plant or equipment will be sited as far away as is practicable from the existing dwellings. The use of barriers, e.g. Soil mounds, site huts, and acoustic mats on fencing to deflect noise away from noise sensitive areas will be employed wherever practicable.

Where possible, building elements or components will be assembled off site in factory conditions e.g. precast concrete upper floors which will further reduce noisy activities on site.

All machinery to comply with the current legislation of 80 dB (A)

Noise assessments will be carried out as per Control of Noise at Work Regulations 2005.

Anyone who has a daily or weekly exposure to noise exceeding 80dB(A) or a peak pressure reading of 135dB (A) will be warned of the dangers of working in a noisy environment, advised of the systems being used by the company to reduce noise levels and issued with and trained in the use of ear protection. Health surveillance and enforced ear protection is compulsory if weekly noise levels of 85 dB or above or a peak sound pressure reading of 137 dB is reached. (Refer to APPENDIX F: Noise Management Plan)

Method statements from all subcontractors will be vetted to check that they adequately include the details on the need to manage excessive amounts of noise in accordance with this Construction Management Plan and reduce them as far as practically possible.

20. DUST POLLUTION & CONTROLS

Dust is defined as particles up to 75 µm in diameter and is produced through the action of crushing and abrasive forces on materials. A wide range of activities, including traffic movement, construction/demolition, mineral workings and general industry, generate nuisance dust.

Large dust particles can cause eye, nose and throat irritation, whilst the smaller fraction of particles with an aerodynamic diameter of 10 µm or less (PM10) is more of a health concern as the particles can enter the lungs causing breathing and respiratory problems.

21. NEWSLETTERS & COMMUNICATION WITH NEIGHBOURS

Clearview Homes will issue newsletters to local residents and businesses prior to commencement of the works and at regular intervals and when there are significant changes to the construction i.e. crane erections, large deliveries, road closures etc.

Communication with schools local to our sites is actively encouraged by Clearview Homes. We will approach the Head Teachers in the first instance to discuss giving a presentation to the pupils on the development as a whole; how we build in basic terms together with a section on Health & Safety and the risks of entering a construction site. We also will encourage a poster competition or similar in the case of the Primary School to take place, on building sites with prizes given to the best Safety poster(s). Site visits are also encouraged to show key stages with appropriate supervision and PPE

22. CRANE LIFTING PLAN

See APPENDIX G

APPENDIX A

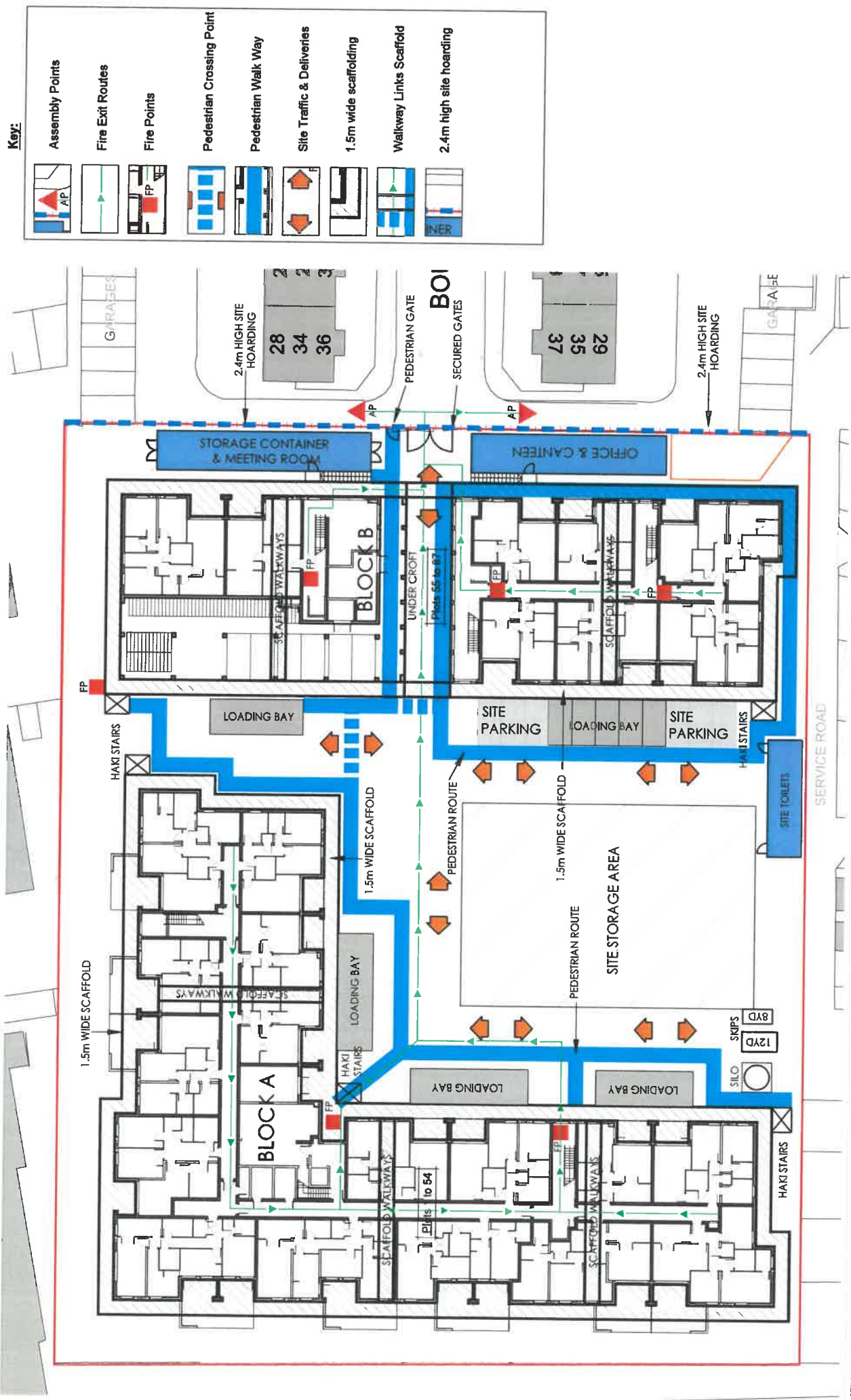
Site Proposed Site plan



REV. DATE. DESCRIPTION

P1	04.10.19	PRELIMINARY ISSUE
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This drawing is copyright.
 It must not be reproduced or distributed in any form without our prior permission.
 Do not scale from this drawing. When used in Local Authority planning purposes
 The drawing is to be used in conjunction with all comments and specialist manufacturer drawings and specifications.
 Any discrepancies in dimensions or details, on or between these drawings, should be drawn to our attention.
 All dimensions are in millimetres unless stated otherwise.



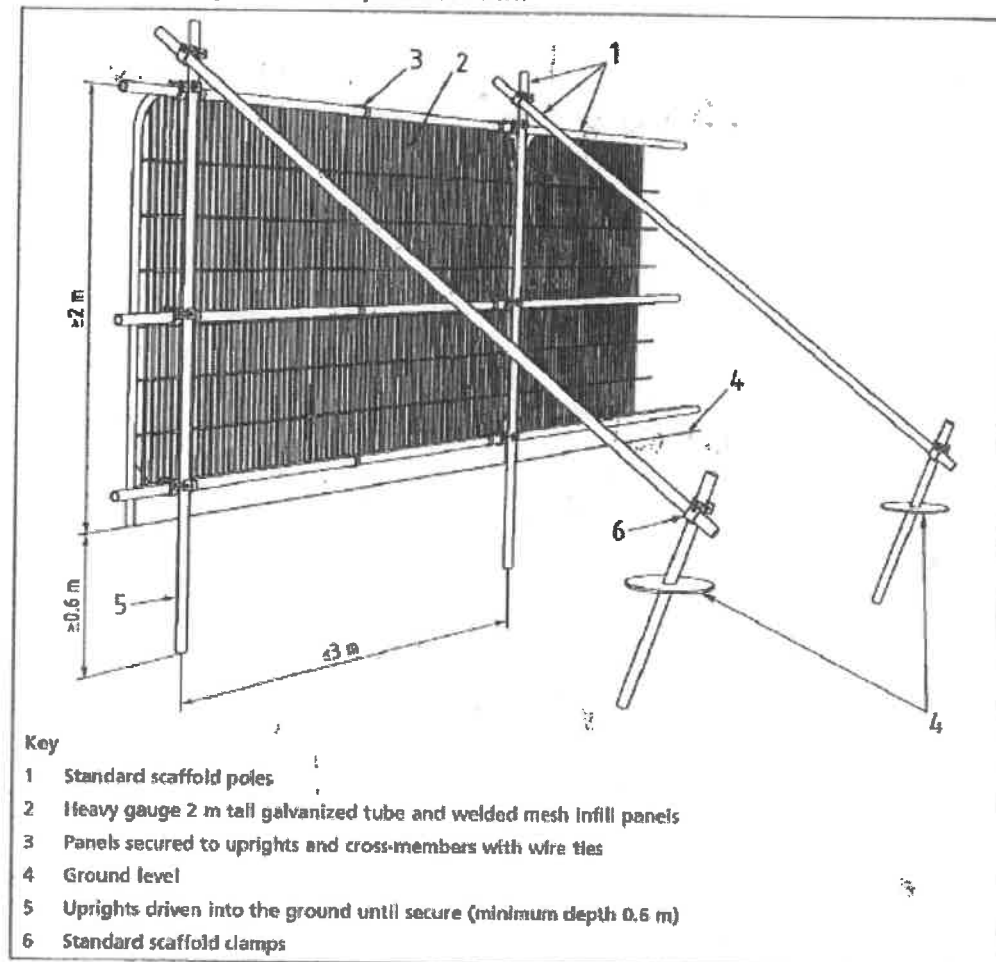
Key:

	Assembly Points
	Fire Exit Routes
	Fire Points
	Pedestrian Crossing Point
	Pedestrian Walk Way
	Site Traffic & Deliveries
	1.5m wide scaffolding
	Walkway Links Scaffold
	2.4m high site hoarding

APPENDIX B

Specification for protective barrier

Figure 2 Default specification for protective barrier



APPENDIX C

HGV No Stacking & Traffic Flow Delivery Management

APPENDIX D

Site Waste Management Plan (SWMP)



SITE WASTE MANAGEMENT PLAN

At
Bourne Court
South Ruislip
HA4 6SW

16/09/19

REV. A

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1.0 PROJECT DESCRIPTION

The project relates to the erection of residential development comprising 87 residential units in 2 blocks of flats Block A & Block B

2.0 DEFINED ROLE HOLDERS UNDER SWMP REGULATIONS

Principal Contractor		Client	
Clearview Homes limited 201 Pinner Road Northwood Hills Middlesex HA6 1BX		Clearview Homes Residential 201 Pinner Road Northwood Hills Middlesex HA6 1BX	
Contact Name:		Contact Name:	
Telephone No:	01923 840 048	Telephone No:	01923 840 048

3.0 KEY DATES

The project start date is expected to be	(Est) Nov 2019
The project completion date is expected to be	(Est) Dec 2021

4.0 SITE WASTE MANAGEMENT PLAN STRUCTURE

This Project is subject to the requirements of the Site Waste Management Plans regulations 2008 and all parties are required to act in accordance with these regulations. As part of the Site Waste Management Regulations 2008 which came into force 6th April 2008, **all** new projects with a tender value of 300k plus (ex VAT) **Must** prepare and implement a site waste management plan (SWMP) in accordance with the said regulations. Existing projects which have been planned prior to the enforcement date and which begin before 1st July 2008 are exempt from the regulations. It is the responsibility of both the Client and the Principal Contractor to ensure that a SWMP is prepared prior to the project commencing on site.

There are two types of Site Waste Management Plans used in preparing a SWMP which depends upon the size of the project. Projects with a tender value of between 300k and 500k (ex VAT) are required to implement a "standard" SWMP to control waste during the construction phase works. Projects of a greater tender or build value than 500k require "more detailed" information which requires a more in depth approach to managing waste during the construction phase works.

There are strict penalties in force for Client's, Principal Contractor's and anybody who obstructs the execution of duties in compliance with the SWMP Reg's. Enforcement of the said regulations will be either the Environmental Agency, Local Government Area or any district or council.

The PC is responsible for ensuring that suitable and adequate resources are allocated to enable the effective development of the SWMP for the duration of the works. All works contractors have the responsibility of assisting the PC by providing information to enable the timely development of the SWMP during the construction phase.

The PC shall ensure that enough time and resource is allocated to ensure,

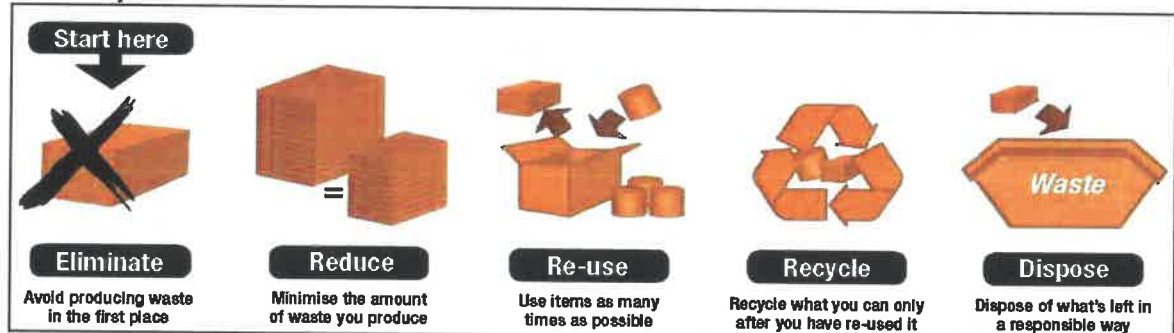
- (a) The effective coordination, planning and organisation of waste.
- (b) That a good management and coordination structure is in place.
- (c) That effective procedure's for monitoring & communication are in place.
- (d) That suitable induction/further training needed is provided for all operatives.

The standard Site Waste Management Plan Template comprises:-

- 1) Sheet 1 – Client Pre Construction Assessment.
- 2) Sheet 2 – PC Construction Phase Assessment.
- 3) Sheet 3 – Client Final assessment.

Both the Client and the Principal Contractor are responsible for ensuring that the SWMP is regularly reviewed and updated throughout the project. The waste hierarchy below **Must** be followed for **All** waste materials before finally disposing waste materials to land fill.

Waste Hierarchy



At the end of the project the Principal Contractor **Must** within three months, hand the completed Site Waste Management Plan back to the client for final assessment.

5.0 CLIENT RESPONSIBILITY

5.1 PREPARATION OF THE SWMP

Under the Waste Management Plans Regulations 2008, the client is ultimately responsible for preparing the site waste management plan as part of the planning phase of the project. The client is also responsible for appointing a Principal Contractor to manage the SWMP during the construction phase. In certain circumstances, a Principal Contractor is best placed to provide information to enable the client to prepare the plan. In such cases the Principal Contractor may be called upon to provide the necessary information and assist the Client in their role and thus allow for the timely preparation of the site waste management plan. The client shall ensure that the SWMP is handed over to the PC prior to the start of the construction phase. Should a construction project begin without a SWMP, then both the client and the PC are guilty of an offence.

5.2 DECIDING WHICH SWMP SHOULD BE USED

There are two types of SWMP's. The type of SWMP to be used on a¹ construction project depends upon the size of the project in terms of the tender or build value. Projects with a tender value less than 300k (ex VAT) are exempt from the SWMP regulations. Projects of a tender value between 300k & 500k (ex VAT) required a "**Standard**" SWMP to be used. Projects with a tender value of 500k (ex VAT) required a "**more detailed**" plan to be adopted for managing waste during construction. The client is responsible at the planning phase for implementing the correct plan and handing the plan over to the Principal Contractor for the construction phase.

5.3 BASIC INFORMATION FOR ALL SWMP's

Under the Site Waste Management Regulations 2008, all Site waste management plans must include the information set out below as a minimum requirement.

- £ **Must** identify the client.
- £ **Must** identify the Principal Contractor.
- £ **Must** identify the person drafting the SWMP. (responsible person)
- £ **Must** describe the proposed construction work.
- £ **Must** include the site location.
- £ **Must** estimate the cost of the project.
- £ **Must** include decisions made before drafting the SWMP on the nature of the project.
- £ **Must** describe each waste type.
- £ **Must** estimate the quantity of each type of waste.
- £ **Must** identify each waste management action.
- £ **Must** contain declaration from client and the Principal Contractor.

For a simple guide on understanding & developing Site Waste Management Plans, please visit <http://www.netregs-swmp.co.uk> for further information.

5.4 PRINCIPAL CONTRACTOR RESPONSIBILITY

Under the Site Waste Management Plans Regulations 2008, the Principal Contractor is responsible for the maintenance and development of the SWMP during the construction phase. As part of this management responsibility the Principal Contractor **Must** ensure;

- £ That relevant information is obtained from sub-contractors.
- £ The SWMP is updated at least every three months as the project progresses.
- £ The SWMP is kept on site during the project
- £ The location of the SWMP is known to all who attend site.
- £ Access to the SWMP is made available to the client, contractors and site operatives.
- £ The SWMP is handed back to the client once completed as part of the H&S File.
- £ A copy of the SWMP is kept for a min of two years.

5.5 UPDATING A STANDARD SWMP

The standard SWMP that **Must** be adopted for projects between the tender or build value of between 300k and 500k (ex VAT). Information that shall be recorded is set out below.

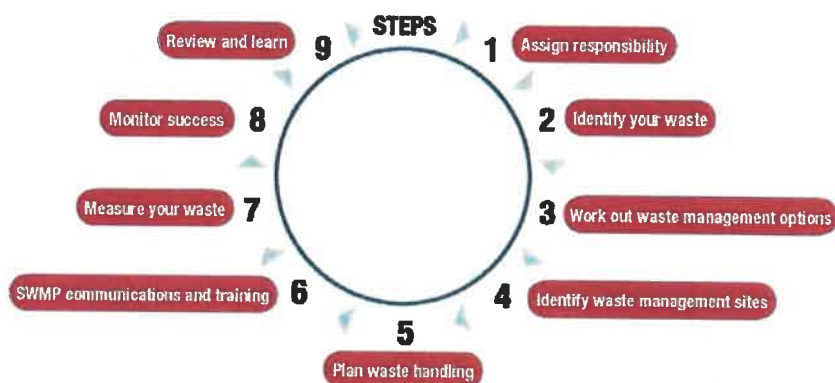
- £ The identity of the person who will be removing the waste.
- £ The types of waste being removed from the site.
- £ The site where the waste is being taken to.
- £ Demonstrate that the plan has been regularly reviewed.
- £ Explain any deviations from the plan.

5.6 UPDATING A MORE DETAILED SWMP

The more detailed SWMP that **Must** be adopted for projects that have a tender value of 500k plus (ex VAT). Information that shall be recorded is set out below.

- £ The identity of the person who will be removing the waste.
- £ The types of waste being removed from the site.
- £ The waste carrier registration number.
- £ Record a copy of the written description of the waste.
- £ The site where the waste was taken to.
- £ Record a copy of the site waste permit.

5.7 SWMP MANAGEMENT & REVIEW



5.8 PROJECT COMPLETION

At the end of the project the PC **Must** hand over within 3 months the completed SWMP to the client for final analysis. The client **Must** review the completed SWMP and comment on the effectiveness of the plan and apply lessons learnt to future projects

APPENDIX

SITE WASTE MANAGEMENT PLAN

1.0 INTRODUCTION

All skips provided will:

1. Prevent spillages or leakages;
2. be corrosive resistant (to the weather elements);
3. Covered to prevent materials from being blown away and
4. Will prevent savaging from animals.

The segregation of wastes will be of the following types:

- Timber
- Inert: block work, bricks, rubble and concrete
- Ferrous Metals
- Nonferrous metals
- Plastics, packaging
- Cardboard, Paper
- Aluminium cans
- Rubbish / Mixed/General Waste (for all other wastes)
- Redundant concrete foundations, paving etc will be crushed on site/offsite. This fill will be re-used for the piling matt.

Subcontractor operatives will still be responsible for putting segregated waste into the designated space or skips/bins provided. All bins/disposal space on site will be labelled as necessary. Where appropriate, the storage of Materials onsite for potential reuse will be at locations agreed by Kingsbury Construction Co Ltd. Materials likely to be stored including waste timbers, pallets, bricks and metals.

The waste contractor will collect all of the skips. The segregated skips for metals, inert and Timber will be recycled. The waste contractor will aim to recycle a large proportion of the mixed and plastic skips.

All hazardous waste will be removed by a Licensed Sub contractor. Enclosed locked drums or skips will be used for the collection of hazardous wastes. An accredited hazardous waste licensed carrier will collect the hazardous wastes to ensure legal disposal. Any subcontractor caught contaminating any non-hazardous waste skips with hazardous material will be contra-charged appropriately.

This SWMP will be communicated through project meetings and tool box talks.

2.0 APPENDIX A. SWMP CHECKLIST

Project Stages	Questions to consider	Y if 'Yes' N if 'No'	Comment: If 'yes', what action have you taken/do you propose to take? If 'no', why not?
Policy	1 Has your organisation adopted a waste management policy?	Y	
	2 Has the Principle Contractor signed the SWMP?	Y	
	3 Have the relevant sub-contractors signed the SWMP?	Y	Will be ongoing
Procurement	4 Has a careful evaluation of materials been made so that over-ordering and site wastage is reduced?	Y	Weekly internal meetings discuss the amount of materials being ordered. The Project Manager surveys and Commercial Manager assess this.
	5 Has full consideration been given to the use of secondary and recycled materials?	Y	Weekly internal meetings discuss the possible recycling and reuse on site or of site. The Project Manager surveys and Commercial Manager assess this.
	6 Has full consideration been given to pre-fabricated units / off site manufacture	Y	All temporary facilities are prefabs which shall be taken to next project on completion of Pears Road
	7 Is unwanted packaging to be returned to the supplier for recycling or re-use?	Y	All timber pallets are to be returned for reuse
Project planning	8 Can unused materials be returned to purchaser or used on another job?	Y	Material returned to supplier or used on other projects
	9 Has responsibility for waste management been assigned to a named individual at both main contractor and identified sub-contractors?	Y	Bhupinder Virdee, the site agent together with Romit Halai, the project surveyor will be responsible for the waste management on site. The Name of the sub-contractor is to be confirmed once sub-contractors have been appointed and this should be an ongoing process.
	10 Has a project programme been developed to include likely waste arising (how much, when, and what types)?	Y	Discussed internally and quarterly reports will be issued by the skip waste management
	11 Has an area of the site been designated for waste management facilities i.e. bins or skips, including segregation of waste?	Y	Yes.
	12 Have targets been set for the different types of waste likely	Y	

		to arise from the project?			
	13	Have measures been put in place to deal with expected (and unexpected) hazardous waste?	Y		Waste company TBC.
	14	Has disposal of liquid wastes such as wash-down water and lubricants been considered?	Y		Washing of plant and vehicles will only occur in a designated area. Any hazardous liquids will be disposed of in accordance with relevant Environmental legislation
	15	Where relevant, has discharge consent been obtained from the Agency?	Y		Yes will be if required
	16	Has agreement been sought from the sewerage company for trade effluent discharge?	N/A		No Hazardous chemical to be discharged in the drains
	17	Have opportunities been considered for re-use of materials on site?	Y		As detailed in SWMP
	18	Have opportunities been considered for re-use of materials off site?	Y		As detailed in SWMP
	19	Have opportunities been considered for on-site processing and re-use of materials?	Y		As detailed in SWMP
	20	Have opportunities been considered for reprocessing materials off-site?	Y		As detailed in SWMP
Project Stages		Questions to consider	Tick if 'Yes'	Comment: If 'yes', what action have you taken/do you propose to take? If 'no', why not?	
	21	Have you considered what are the most appropriate sites for disposal of residual waste from the project?	Y		Responsibility of waste management contractor
	22.	Are there opportunities for reducing disposal costs from waste materials which may have a commercial value?	Y		Responsibility of waste management contractor
Site operations	24	Has responsibility for waste management on site been assigned to a named individual?	Y		Project / Site Manager will be responsible
	25	Have toolbox talks been planned for all site personnel about waste management on site?	Y		Will be done as part of tool box once the site has commenced.
	26	Are selected waste materials segregated to allow best value to be obtained from good waste management practices?	Y		Yes will be done, site manager shall oversee this activity.

27	Are containers/skips clearly labelled to avoid confusion?	Y	Yes
28	Are Duty of Care procedures complied with i.e. provision of transfer notes and checking authorisation of registered waste carriers, registered exempt sites and licensed waste management facilities?	Y	See Appendix B
29	Are any checks made that excavation waste is received at the intended site?	N	Responsibility of waste management contractor.
30	Is implementation of agreed waste management procedures monitored?	Y	Responsibility of Site Agent

3.0 APPENDIX B. SWMP DATA SHEET

Waste Material	Waste Package	Estimated Quantity Volume (tones)	Actual Quantity Volume (tones)	Waste Minimisation opportunities
Hard-core	Excavation, Brick & Blockwork, landscaping	43.59	41.05	Segregate, land reclamation, reprocessed and reused in the construction industry
Insulation	Fit Out	4.73	4.52	Procure to uniform size, store correctly.
Packaging	All trades	10.56	10.23	Request minimal packaging and suppliers to take back packaging
Plasterboard	Dry Lining	2.5	2.2	Procure to uniform size, store flat, undercover in a secure compound
Timber	Fit Out, Frame	19.55	19.47	Correct ordering, Storage and Assembly
Metals	All trades	4.3	4.2	
Hazardous Waste	All trades	5.64	5.49	use solvent-free paints that are not disposed of as hazardous paint
Mixed waste	All trades	6.78	6.71	Correct ordering, Storage and Assembly
Other	All trades			Re-use where possible

PROJECT NAME	BOURNE COURT
PROJECT ADDRESS	BOURNE COURT, SOUTH RUISLIP, HA4 6SW
NATURE OF PROJECT	DESIGN AND BUILD 87no PRIVATE APARTMENTS THIS INCLUDES SUBSTRUCTURE, SUPERSTRUCTURE, GROUNDWORKS, FINISHING, HARD AND SOFT LANDSCAPING.
PRINCIPLE CONTRACTOR	CLEARVIEW HOMES RESIDENTIAL
PRINCIPLE CONTRACTOR DETAILS	CLEARVIEW HOUSE 201 PINNER ROAD NORTHWOOD HILLS MIDDLESEX HA6 1BX
PROJECT MANAGER	BHUPINDER VIRDEE
PROJECT MANAGER SIGNATURE	
DATE	16/09/19
REVISION	REV A



Refuse Management Plan

Bourne Court

South Ruislip

HA4 6SW

Clearview Homes will be responsible for the safe disposal of all waste on site.

Clearview Homes we anticipate that the only waste to be received on site will be general builders waste and encourage recycling.

General throughout the development various sizes of skips will be used to store the waste.

All skips will be collected for exchange on a regular basis.

It is anticipated that we would be using the skips twice weekly.

The skips will be collected by group deal haulage suppliers and carriers.

All waste which is taken away is transferred using a system of signed Waste Transfer Notes.

Clearview Homes waste will only be handled by a business that is authorised to deal with it and must be in possession of a Waste Management License.

P.B. Donoghue Group Waste Analysis Report

P. B. Donoghue Group of Companies
Claremont Road
London
NW2 1RR
Tel: 020 8208 2211
Fax: 020 8452 2162
Web: www.pbdonoghue.com

P. B. Donoghue Waste Carriers License
No. CB/WM3546FM

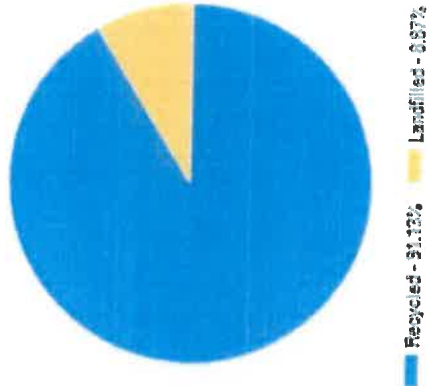


P.B. Donoghue Group MRF Cricklewood
Donoghue Business Park
Claremont Road London NW2 1RR
Cricklewood MRF License No. WML 80294

P.B. Donoghue Group MRF Watford
Station Approach
Colne Way
Watford WD25 9JS
Watford MRF License No. WML 80526

P.B. Donoghue Group Waste Recycling Data based on Construction & Demolition Waste processed through our Material Recovery Facilities
All waste disposed in our Recycling Centres will be pre-sorted / pre-treated / recycled / recovered with the very minimum sent to landfill

Waste Recycling Overview



From Date 01/05/2018
To Date 01/06/2018
Account Clearview Homes
Address 168141 SUTTON COURT ROAD UXBRIDGE UB10 9HR
Address Name SUTTON COURT ROAD

Movement

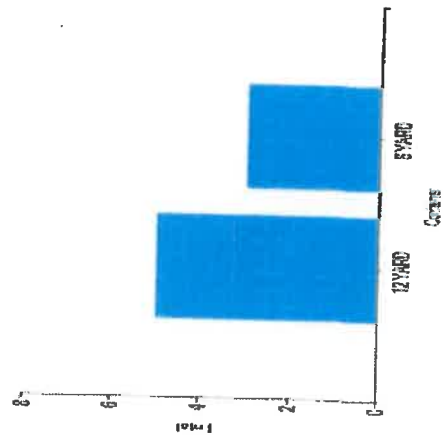
Date	Ticket No	Account	Address	Container Type	Movement Type	Material	EWC	Weightbridge Ticket	Nett Weight
01 05 2018	1781443	CLE004	SUTTON COURT ROAD	12 YARD	Exchange	MIXED CONSTRUCTION	170804	1783207	3.840
02 05 2018	1782530	CLE004	SUTTON COURT ROAD	8 YARD	Exchange	MIXED CONSTRUCTION	170804	1783713	8.140
08 05 2018	1785140	CLE004	SUTTON COURT ROAD	12 YARD	Exchange	MIXED CONSTRUCTION	170804	1786286	0.980
09 05 2018	1785623	CLE004	SUTTON COURT ROAD	8 YARD	Exchange	CONCRETE	170101	1786821	7.780
15 05 2018	1788447	CLE004	SUTTON COURT ROAD	12 YARD	Exchange	MIXED CONSTRUCTION	170804	1800451	2.440
18 05 2018	1801834	CLE004	SUTTON COURT ROAD	8 YARD	Collection	HARDCORE	170102	1802700	2.880
22 05 2018	1802274	CLE004	SUTTON COURT ROAD	12 YARD	Exchange	MIXED CONSTRUCTION	170804	1804138	2.440
29 05 2018	1805579	CLE004	SUTTON COURT ROAD	12 YARD	Exchange	MIXED CONSTRUCTION	170804	1807785	3.000

Note: This report is provided for information purposes only. The figures are included on your invoices and waste transfer notes. Recycling percentages are subject to variance

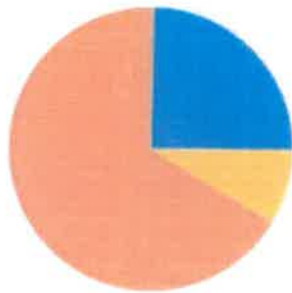
From Date 01/05/2018
To Date 01/06/2018
Account Clearview Homes
Address 168141 SUTTON COURT ROAD UXBRIDGE UB10 9HR
Address Name SUTTON COURT ROAD

Containers Used

Description	EXC	COL	Total
12 YARD	5	0	5
8 YARD	2	1	3



Total Waste Summary



Total Weight Tipped	31.28	Tonnes
Total m³ Tipped	32.17	m³
Ave Weight / Transaction	3.91	Tonnes
Avg Recycled / Recyclable	14.88	m³
Avg Recycled / Component	8.88	m³
Avg Recycled / Transaction	3.74	m³
Total Avg Landfilled	2.22	m³
Recycling Rate	83.10	m³

From Date

To Date

Account

Address

Address Name

01/05/2018

01/06/2018

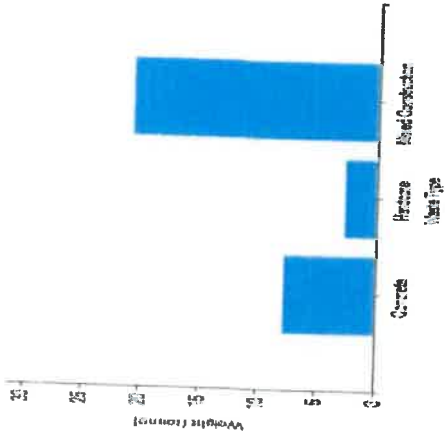
Cleanview Homes

168141 SUTTON COURT ROAD UXBRIDGE UB10 9HR

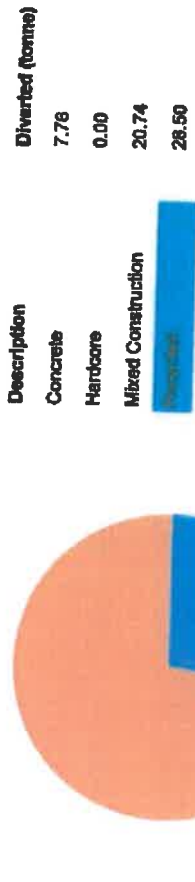
SUTTON COURT ROAD

Waste Types Removed

Waste Type	EWRC Code	m³	Weight (tonne)	m³ Recycled	m³ Landfilled
Concrete	170101	6.11	7.760	6.11	0.00
Hardcore	170107	2.11	2.680	0.00	2.11
Mixed Construction	170804	23.85	20.840	23.84	0.11



Waste Diverted From Landfill



APPENDIX E

Green Travel Plan



Bourne Court – Green Travel Plan

Travel Plan Overview

Clearview homes recognises that site activities and operations can result in impacts on society and the environment and is therefore working to reduce the negative effects of these operations whilst promoting positive outcomes where possible. Travel represents one such activity.

Whilst travel is necessary for operatives, Clearview is seeking to reduce the amount of impact of travel associated with by encouraging contractors and operatives to utilise green travel options.

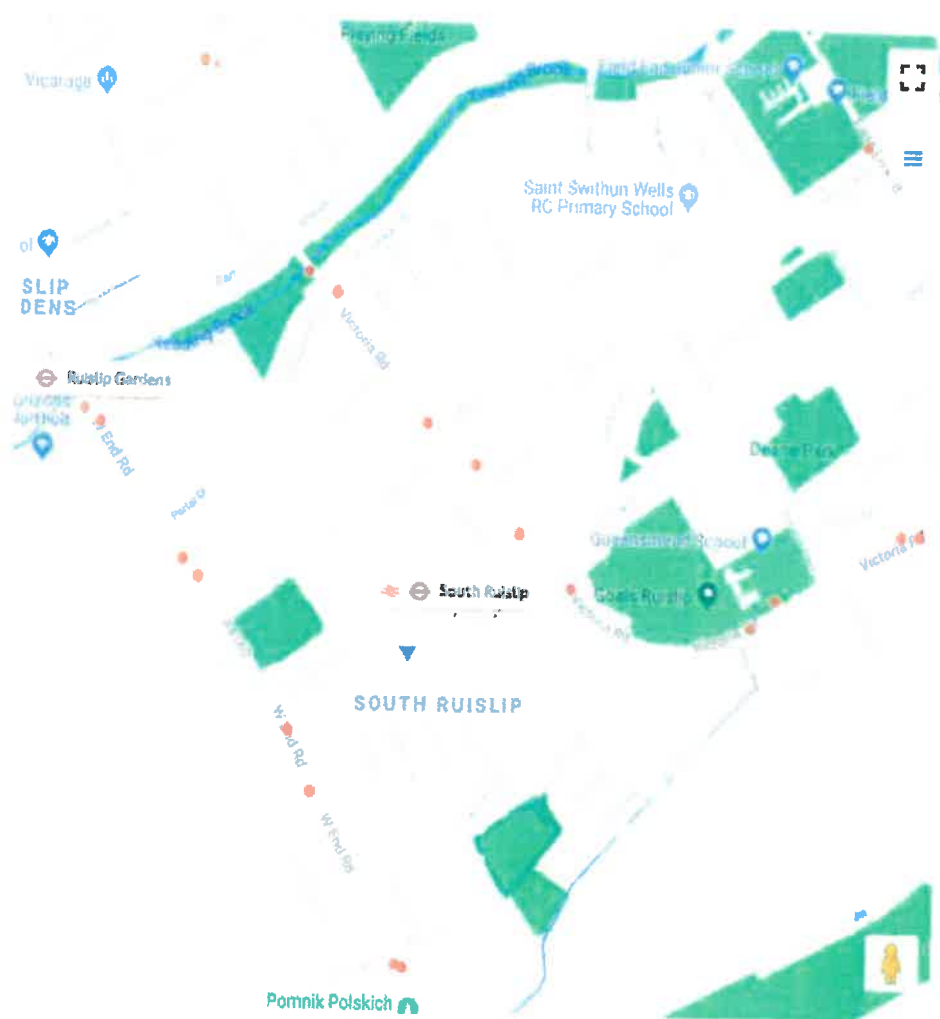
The following are encouraged:

- 1. Promoting and encouraging walking as a means of transport in its own right or as part of a journey in conjunction with other modes of transport.**
The site is located within 5 minutes' walk from South Ruislip providing access from various destinations.
- 2. Promoting and encouraging cycling both as a form of private transport and as a link to public transport**
- 3. Promoting and encouraging the use of public transport**
- 4. Encouraging car sharing between operatives**

Walking to Train Stations



Bus route to Bourne Court



APPENDIX F

Noise Management Plan



NOISE MANAGEMENT PLAN

At
Bourne Court
South Ruislip
HA4 6SW

NOISE CONTROL

- Works are to comply with the Control of Noise at Work Regulations (2005) and shall be coordinated by the Site Manager. Refer to: Controlling noise at work - Guidance on the Noise at Work Regulations (2005)
- Where possible noise levels at source are to be reduced by the careful selection of plant, with plant and equipment in a good state of repair, siting noise sources remote from the workforce, etc.
- Where noise levels remain above 80 dB (A), noise assessments are to be undertaken and suitable hearing protection made available to those that request it.
- Where noise levels are above 85 dB (A), establish hearing protection zones which are clearly signed.
- Ear protection must be worn within established ear protection zones.

- Ensure that noise does not cause a nuisance to persons in the vicinity of work being carried out.
- Where noise assessment indicates a risk to employees' health, undertake health surveillance for employees (i.e. regular exposure above a daily or weekly personal noise exposure of 85dB (A)).

NOISE CONTROL: ENVIRONMENTAL

Environmental Management Controls are to be adopted during the works to reduce potential noise and vibration disturbance from site generated activities. In establishing criteria, controls and working methods, account shall be taken of guidance BS 5228 'Noise control on construction and open sites'. Environmental Management controls are to include:

Sound Barriers

- Acoustic fencing - A noise barrier shall be erected along the eastern edge of the processing area
- Welfare as sound barrier - Site buildings such as temporary offices and stores are to be grouped together to form a noise barrier separating site operations and nearby noise sensitive premises where practicable.
- Earth noise bund - Temporary bunds (inert soil stockpiles) shall be built along the eastern and western boundaries of the site in phase with the landfill excavation, preventing noise disturbance to wetland birds and neighbouring residents
- Temporary sound barriers - Land remediation works taking place close to existing dwellings will be assessed. Use of acoustic screens will be used to mitigate noise where necessary
- Acoustic screens should be set up between the noise generating plant and any surrounding noise sensitive area. If possible, the line of sight between the top of machine and reception point at the nearest dwellings should be obscured. The material used for the screening should have a mass per unit of surface area in excess of 16 kg/m². To prevent some sound passing round the ends of short straight barriers, the length of a barrier used for screening should be at least five times greater than its height. Using well placed screening could reduce the noise levels by 10 – 15 dB.

Limited Work Hours

- Use of normal working hours 08.00 to 18.00Hrs Monday to Friday and 08.00 to 13.00Hrs on Saturdays, with no works expected to occur on Sundays

- Where reasonably practicable, ensuring the use of quiet working methods, the use of the most suitable plant, reasonable hours of working for noisy operations, and economy and speed of operations;

Operational Practices

- Machines in intermittent use should be shut down in the intervening periods between work or throttled down to a minimum
- Materials should be handled with care and whenever practicable not dropped. Plan deliveries in off peak periods where practicable
- Traffic management schemes to be implemented and maintained
- Ensure information on disruptive activities is adequately communicated through to interest groups Maintenance
- Noise caused by resonance of body panels and cover plates of machinery could be reduced by stiffening with additional ribs or by increasing the damping effect with a surface coating of special resonance damping material
- Regular and effective maintenance of static and mobile plant by trained personnel to reduce noise from machinery

Plant Specification

- If necessary, acoustic enclosures should be provided and/or acoustic screening for ancillary equipment such as generators
- Anti-vibration mountings shall be fitted where practicable to rotating and/or impacting equipment
- Preferred use of electrically powered plant as opposed to diesel or petrol driven
- All construction plant and equipment should comply with EU noise emission limits

Positioning of Plant & Equipment

- Locating noisy plant and equipment as far away from noise-sensitive receptors as reasonably practicable and, where possible, carry out loading and unloading in these areas
- Orientating plant that is known to emit noise strongly in one direction so that the noise is directed away from noise-sensitive receptors, where possible
- All ancillary plant such as generators, compressors and pumps should be positioned so as to cause minimum noise disturbance

- Crushing and screening activities shall be undertaken a minimum of 50m from wetland areas
- Lorries and dumpers shall be parked at a designated area, away from the residential properties

LETTER DROP TO LOCAL RESIDENTS

Before commencing any works Clearview Homes will distribute letters to all of the surrounding residence, introducing ourselves and briefly explaining what is happening and when. This will give the residence contact details of our project team and give them a chance to air any potential concerns also to give them contact details in the event of a noise complaint.

COMPLAINTS PROCEDURE

- Observe good neighbour procedures and dealing with any complaints in a speedy and sympathetic manner
- On receiving a noise related complaint inform the Site Manager who will be responsible for administering Complaints Procedure. A noise assessment will be undertaken to investigate source and implement noise attenuation/control measures to ensure noise levels are not exceeding agreed trigger levels.

ENVIRONMENTAL NOISE MONITORING PLAN

Clearview will be responsible for undertaking continuous boundary noise monitoring. Daily noise monitoring within the work zones will be undertaken by Clearview during noisy operations to check compliance with the Control of Noise at Work Regulations. This data will also be used to identify any increasing noise levels associated with the works.

Additionally, aural noise monitoring will be undertaken on a continuous basis by the site manager, plant operators and site engineers to check plant is operating normally and to detect any significantly noisy activities.

APPENDIX G

CRANE LIFTING PLAN

CRANE LIFTING NOTES.

1. LIFTING POSITIONS DURATION GIVEN IN DAYS (2D)
2. COORDINATES PROVIDED ARE AT + CENTERLINE OF CRANE JIB AT BASE OF MACHINE.
3. THERE WILL BE TWO LIFTS THAT UTILISE THIS LIFTING PLAN, ONCE FOR THE 1ST FLOOR PLANKS AND AGAIN FOR THE 2ND FLOOR PLANKS.
4. THERE IS ONE FURTHER LIFT TO PLACE THE ROOF TRUSSES.
5. THE HIGHEST LIFTING JIB HEIGHT IS STATED FOR THE TRUSS LIFT. 2ND FLOOR LIFT IS 2.5m LOWER & 1ST FLOOR LIFT A FURTHER 2.5m LOWER.
6. THERE WILL BE 3 WEEKS BETWEEN EACH LIFTING PLAN. 1ST FLOOR / 2ND FLOOR / ROOF.
7. THE CRANE LIFTS WILL BE LIMITED IN OPERATION BETWEEN 8.00am & 5.00pm ON THOSE LIFTING DAYS.
8. THE RIDGE HEIGHT OF THE APPROVED STRUCTURE IS SET AT 9m (47.500 AOD)
9. A FORK LIFT WILL OPERATE ON SITE EVERY DAY BUT ITS MAXIMUM HEIGHT WILL NEVER BE HIGHER THAN THE STRUCTURE SET HEIGHT.
10. THE CRANE POSITION WILL BE SITED ON THE ROAD LEVEL WHEN IN USE.

