




## DEMOLITION PLAN

**C117**

**Revision 00**

**Project at:**

**34 Acacia Avenue  
Ruislip  
HA4 8RQ**

<b>Prepared By:</b>			
<b>Name</b>		<b>Signature</b>	<b>Date</b>
Naomi Wood			06.101.23
<b>Approvals:</b>			
<b>Position</b>	<b>Name</b>	<b>Signature</b>	<b>Date</b>
Director	Elliot Collins		06.11.23

I confirm that I have read, understood and agreed the contents of this Demolition Plan / Method Statement

<b>Name</b>	<b>Signature</b>	<b>Date</b>

## Issue Details:

No.	Issued To (Name):	Position:	Location:	Date:
1.				
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06	•	Prepared by:		
		Approved by:		

*This Demolition Plan will be reviewed, added and updated as the project develops.  
Circumstances when the plan will be amended are as follows:*

- *New information from surveys*
- *Unforeseen circumstances*
- *Variations to client requirements*

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## 1.0 INTRODUCTION

This Demolition Plan / Method Statement details the safe system of work for the demolition of existing detached dwelling and garage

## 2.0 SCOPE OF THE WORKS / DEMOLITION

### 2.1 Scope of the Works

The works comprise the demolition of 4 detached dwelling and garage

### 2.2 Programme of Works

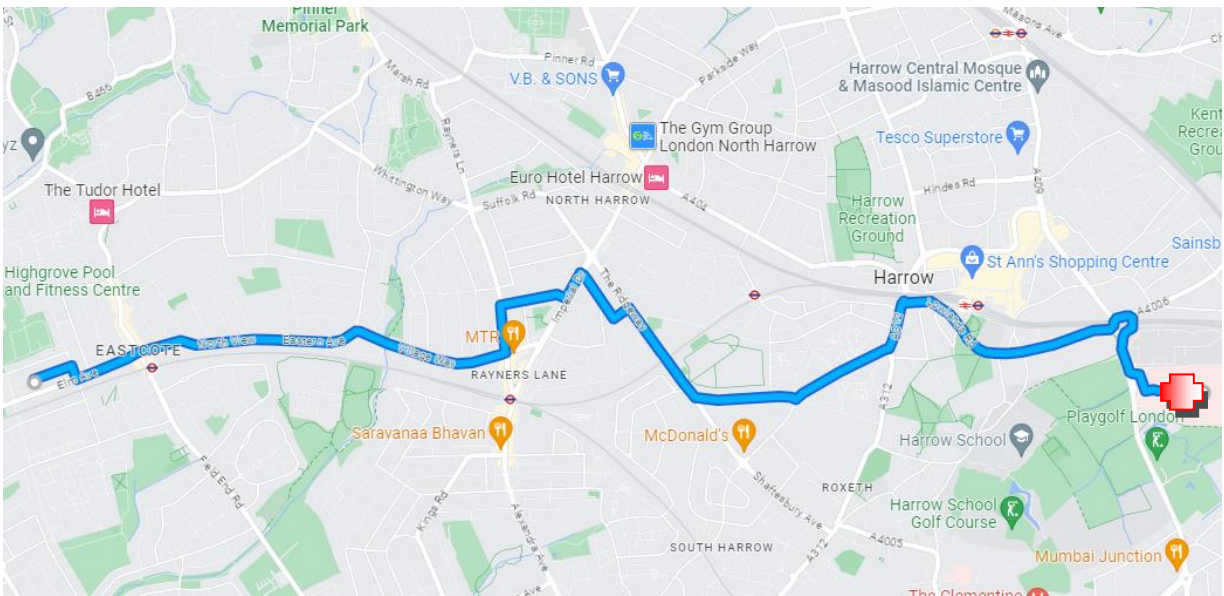
The Demolition will commence: 20.11.23  
Demolition Period: 2 Weeks

### 2.3 Location Plan

34 Acacia Drive  
Ruislip  
HA4 8RQ



## 2.4 Emergency Procedures

	Gas:	0800 111 999	Nearest Clinic:	
	Electricity:	0800 316 3105	Watford General Hospital	Telephone: 01923 244366 Fax:
	BT:	0800 023 2023		
	Water:	0345 357 2407		
<b>Site Emergency Notice (To Be Displayed on Site)</b>				
Site Name		<b>C117</b>		
Address		34 Acacia Avenue, Ruislip, HA4 8RQ		
Telephone Number		TBC		
Location of Emergency Telephone				
Location of First Aid Box		Site Office		
Name of First Aiders		<b>TBC</b>		
Location of Fire Fighting Equipment (Extinguishers)		Site Office		
Emergency Evacuation Point				
Emergency Warning		Claxon Horn		
Address / Location of nearest Emergency Hospital (to include location map)		Northwick Park Hospital Watford Road Harrow HA1 3UJ		
				
Names of Fire Wardens and Marshall's		<b>TBC</b>		

### **SITE FIRE SAFETY PLAN (to be Displayed on Site)**

To safeguard against life, damage to property and the effects of fire The Company will draw up a fire plan in line with the revised guidance HSG 168 Fire safety in construction. The site manager will be deemed as the responsible person on site. Fire arrangements will be conveyed to all persons during the site-specific induction signage will be displayed as needed and any changes will be agreed with the client's representative at the school and will be conveyed through the medium of toolbox talks to all operatives on site.

#### **Fire Induction**

All persons coming to site will undergo an induction detailing the precautions put in place and actions to be taken in the event of a fire or emergency.

#### **Extinguishers**

Will be positioned in the site office within the compound and located at various points around the site depending on the work activities underway. A suitable fire extinguisher must be present when carrying out any Hot Works or Electrical works.

#### **Exit Routes**

These are to be always kept clear, should a need arise to change any routes all personnel will be instructed of the changes

#### **Assembly Points**

Will be as directed by the Site Manager / Site Foreman and may change dependent on-site operations. Site Personnel will be informed of any changes.

#### **Outbreak**

A rotary bell will be sounded should a fire breakout on site. The site compound area will be designated as the assembly point for all persons on site. This will be conveyed during induction. The alarm must be raised immediately, and contact made with the Site Manager / Site Foreman, emergency services and / or client.

***DO NOT PRESUME THAT SOMEONE ELSE HAS MADE THE CALL TO THE EMERGENCY SERVICES.***

The Site Manager / Site Foreman will also undertake a daily fire safety check, which will include:

- The means of escape is maintained
- High standards of housekeeping
- Hot work Electrical work or any work is carried out under a permit to work.

A "Hot Works Permit" will be required where there is a risk of fire to existing structures arising out of the construction activity.

The "Hot Works Permit" will detail the precautions and procedures to be adopted to avoid the risk of fire and to ensure that the area is left in a safe condition once works are complete.

Examples of activities that may require a Hot Works Permit are welding, brazing, flame soldering, grinding or using a blowlamp.

### 3.0 TRAINING / COMPETENCY REQUIREMENTS

All site supervision will be suitably trained and hold the relevant CCDO / CSCS

Supervisor / Manager Qualifications and be either Level 3 NVQ qualified or enrolled and actively involved on the on the NVQ assessment and qualifications programme.

All machine drivers will be Health & Safety tested and hold the relevant CPCS / IPAF card appropriate to the machine being operated.

All demolition operatives shall CCDO card holders & are Asbestos Awareness Trained.

All banks men and site labours will be Health & Safety tested and hold the relevant CSCS / CCDO card.

All Asbestos Removal Operatives will have received the UKATA Asbestos Removal Training.

Copies of which will be available within the site file and at head office.

### 4.0 EQUIPMENT REQUIRED

Any plant required to carry out the works will be announced prior to delivery on site. Notwithstanding it is expected that the following items of plant will be required:

- Access scaffold to WEST elevation of Bungalow
- Waste skips
- Petrol Generator
- 110v Medium Breakers
- Alloy Access Tower
- 8T excavator with Selector grab attachment.

Certification for the above plant & operative training will be held at the work site. All static plant will be positioned on a plant nappy to eliminate / minimise spills causing environmental incidents.

Plant, Tools and Equipment should be hired in from suppliers that have been approved by the company. The selection of plant, tools and equipment shall include for the reduction of ill-health effects, e.g. reduced noise and vibration emissions.

All plant and equipment should be fully certificated, have evidence of a current thorough examination and should only be operated by persons who have reached the age of 18 years, hold a relevant CSCS / CPCS / NPORS certificate of competence for the specific item of mobile plant, and they have been authorised to operate the plant by the project management team.

All plant and equipment shall be used and maintained in accordance with the Provision and Use of Work Equipment Regulations (PUWER).

All powered equipment and tools brought onto site should have the appropriate records of PAT testing.

## 5.0 WELFARE REQUIREMENTS

The company will ensure that the appropriate welfare facilities are provided and maintained according to the size of the workforce and nature of the work.

An assessment must be carried out to determine the specific welfare requirements and arrangements throughout the project; from day one of site set-up to the last day personnel are on site.

A guide for the number of toilets and hand wash basins required:–

Number of personnel	Number of Toilets and Hand Wash Basins	Number of Urinals
<b>Up to 25</b>	<b>2</b>	<b>2</b>
<b>26 to 50</b>	<b>3</b>	<b>3</b>
<b>51 to 75</b>	<b>4</b>	<b>4</b>
<b>76 to 100</b>	<b>5</b>	<b>5</b>
<b>101 to 125</b>	<b>6</b>	<b>6</b>

Provision should also be provided for females on a similar basis (i.e. 4 females on site must have 2 toilets and basins).

A mess room, canteen and toilet facilities of appropriate size will be provided for all to use.

The minimum requirements are a water boiler (for tea, coffee, etc.), fridge and microwave oven, cooker or similar to be made available for use.

A suitable sized separate drying room area will be available to accommodate all site operatives.

At the beginning and end of the project, alternative, temporary facilities may have to be provided.

Site first aider(s) will be nominated by the company. Name(s) will be made known to all site operatives by means of signs / notices at appropriate places. A First Aid kit will be located in the site office, denoted as such by the green and white First-Aid sticker.

Site management will make arrangements to ensure all welfare facilities are cleaned on a regular basis and maintained to the highest standards.



## 6.0 METHOD / SEQUENCE OF WORKS

### 6.1 Surveys

An asbestos refurbishment and demolition survey has been carried out and has identified Asbestos Containing Materials (ACM's). **See Report.**

All handling, removal and disposal of asbestos must conform to the HSE Control of Asbestos Regulations 2012.

The company will implement appropriate emergency procedures if any other suspected ACM's are found in any of the working areas and this procedure must be highlighted and identified.

The following process will be applied and implemented:

- Do not disturb suspected material and stop work immediately.
- Isolate the area, shut doors and windows etc.
- Inform people in the immediate area and request that everyone keep away.
- Contact the Site Manager and Client.
- Post warning signs.
- Samples will only be taken by UKAS accredited asbestos company.
- Comply with the Client's instructions in regard to what is to be done concerning its possible removal.

No other surveys were carried out for this project.

### 6.2 Programme of Works

Soft strip	16/10/23
The Demolition will commence:	20/11/23
Demolition Period:	2 weeks

### 6.3 Site Induction

All management, operatives and sub-contractors will receive a Site Safety Induction; prior to commencing works on site, in accordance with Site Safety Induction document.

The Site Manager will make all operatives aware of the content of this plan, fire evacuation procedures, site rules etc. Statutory health and safety notices shall also be clearly displayed on site. Safety issues will be reviewed, as deemed necessary, and on a regular basis with sub-contractors.

All visitors to site must report to the site office for a site induction and sign the visitors' book.

All operatives and visitors on site must "sign in" when they arrive and "sign out" when they leave, on the attendance record sheet.

#### **SITE RULES:**

The rules detailed below have been determined by risk assessment and apply to everyone working on the project. Client requirements have been included.

The Contracts Manager may impose additional or amended rules as the result of continued risk assessment review, on all or part of the project.

Any persons found contravening the rules below may be subject to disciplinary action, which could include exclusion from site.

## The Standard Site / Induction Rules:

- It is your duty to take care of your own health and safety and for the health and safety of all other persons who may be affected by your acts or omissions.
- You must remain alert at all times and keep a sharp look out, not only for vehicles and plant in the work's area but also for vehicles and plant which may enter the work's area accidentally.
- When on site you must wear safety footwear, safety helmets and any other PPE required by contractor's assessments.
- Good housekeeping is essential on the site. Keep the site tidy. Remove all rubbish as soon as possible. Ensure all materials are stored in appropriate container and in a proper manner.
- You must obey the instructions of your supervisors. Wilful disregard of these site safety rules will result in being removed from site.
- Unauthorised visitors, children and personal pets are not allowed in the work's area.
- You must not take part in or encourage 'horse-play' of any kind.
- Consumption of alcohol within the bounds of the site is prohibited. You will not be allowed to work if unfit to do so due to the influence of drink or drugs.
- You must only enter & leave the site at the authorised points and not by any other route.
- You are required to attend an induction session and will not be allowed to work unless you have done so.
- You will attend all site safety training sessions as may be required from time to time by site management.
- Report any hazards, near misses, etc to your supervisor / manager.
- All injuries, ill health and damage incidents must be reported to site management.
- Plant and equipment must only be operated by trained and authorised personnel in the manner for which it is designed.
- A permit to work system will be operated for the following activities: hot works, electrical systems, confined spaces, working at height, excavations. Other activities may be included as decided by the site manager.
- Scaffolding and / or suitable guardrails must be provided to areas where falls are possible. Where these cannot be provided other fall arrest systems such as netting will be used. You must not work in situations where there is a risk of falling. Safety harnesses must not be used without authorisation from Site Management.
- Do not use ladders which are not tied and secure or scaffolding which is incomplete.

The Company does not permit the consumption of alcohol during working hours and forbids the use of illegal drugs. Operatives are reminded that alcohol, on average takes one hour per unit to be processed and therefore care must be taken to ensure that you are not still under the influence of alcohol should you drink the previous evening.

Name	Signature	Date

## **6.4 Safe Access and Egress**

Traffic routes must remain clear at all times for emergency access. Parking will be limited to the designated parking area. Traffic routes must remain clear at all times for emergency access and also the free flow of Client site traffic.

All abnormal deliveries should check their route to site before delivery. All plant and storage on site should be properly secured at night and when not in use.

Advance warning signs advising of the construction site and presence of heavy vehicles will be installed at the start of the project.

The confines of the site will be under the full control of the Principal Contractor. Suppliers will be informed of the location of the site. Delivery drivers coming to site will be asked to contact the Site Manager prior to arrival, so that they can be met by a banksman and parked safely ready for the removal of deliveries / materials. During the replacement / removal of skips vehicles entering the pedestrian zone will be under the direction of a banksman and barriers arranged accordingly.

The timing and routes for deliveries must be discussed and agreed in advance with the Site Manager. Deliveries will all be made between 08:00am and 4:00pm.

### **Storage of materials:**

Storage of equipment, waste and materials will be too planned agreed storage areas.

### **Removal of waste material:**

Removal of waste material will be by site skips. Debris will not be allowed to accumulate to cause hazard. Should the need arise these will be covered, or of a lockable type to prevent any unauthorised persons gaining entry or debris being blown around.

## **6.5 Site Security / Hoarding / Fencing**

Access to the site will be directly off Acacia Ave. All materials will need to be stored securely.

There will be a requirement for heras fencing to segregate the Works and Site Compound from neighbouring properties, and to secure the site from unauthorised access. Storage and waste storage areas will be as per the site set up drawings.

All reasonable steps will be taken to ensure that only authorised persons are allowed onto the site or part of the site where construction work is being carried out.

Heras fencing to be installed around tree in rear garden.

Site boundaries, securely fenced and signed, will be adapted as and where necessary as work progresses. Please refer to "[HSG 151 – Protecting the Public – Your Next Move](#)" for further guidelines.

The site will retain existing fence along the north, east and west boundaries with a minimum and 1.8m high heras fence installed along the south boundary – Acacia Ave

The site compound will be secured at all times; all areas under construction will be left secure at the end of shift. Access gate will be closed at the end of shift. Site fencing will be checked daily to ensure it remains secure.

Signage will need to be clear to inform the contractors and public of the dangers and of any change in fire routes.

All visitors will need to sign in and out and be escorted at all times in the demolition areas.

## **6.6 Identification and Isolation of Services**

### **Existing Services:**

Service plans and drawings from all utility companies are available and should be referenced before any demolition takes place. A permit to dig will be issued before any excavations are carried out.

Any services found on site are deemed to be live and all necessary precautions should be taken when working in the area of any known services. Prior to commencement of any groundwork the company will trace, identify and record all relevant service runs on the site by the use of detection equipment i.e. CAT scanners. The company will liaise as necessary with Statutory Authorities and anyone one with local knowledge of the area to determine the exact locations of all service runs.

Locations of mains services are TO BE IDENTIFIED AND ISSUED. The company will survey the locations of the existing services prior to commencing works in each area.

All existing services must be location isolated and disconnected prior to any works commencing and a certificate of reoccupation issued if applicable.

## **6.7 Exclusion Zones**

The company will establish demolition exclusion zones around the de-construction areas using Heras fencing and adequate warning signage displayed.

Heras fencing will be erected to east, south and west at front of property adjacent to neighbouring properties and will be supplemented with debris netting to further protect deconstructed materials encroaching onto the neighbouring properties.

Warning signs will be erected confirming that demolition works are in progress and that access to the area is prohibited to non-demolition operatives, unless accompanied by an experienced member of our staff.

HOLD POINT: The demolition exclusion zone and safety signage is to be inspected by the Demolition site supervisor prior to works commencing on a daily basis

All exclusion zone fencing, and entry points will be physically secured and locked at all times or be under the control of a designated Banksman.

The company will implement a signing in / out register at the entry point to the demolition exclusion zone.

## **6.8 Asbestos Removal**

The Asbestos Containing Materials Identified for this project includes:

Other Guides to consider:

- A0 – Advice on non-licensed work with Asbestos
- Em2 – Training
- Em6 – Personal protective equipment (PPE)
- EM9 – Disposal of asbestos waste

## 6.9 **Soft Strip**

Completely soft strip all internal fixtures and all floor coverings etc. The roof will be stripped of tiles and roof timbers working off the purpose-built scaffold on the . Whilst demolition works are in progress dust suppression measures will be carried out and will include any stockpiled materials. **PPE to be worn as per the risk assessment.**

If any additional suspicious Asbestos Containing Materials (ACM's) are encountered during the soft strip, the works must be stopped, and the Site Manager informed.

The supervisor will be informed immediately, and the area made safe and fenced off or if possible the doors locked with adequate warning signage placed.

The Client will be informed immediately who will then instruct a trained & competent person to undertake sampling of materials which are suspected to contain asbestos.

The samples will be sent to a UKAS accredited laboratory for analyses results will then be given to the site management.

## 6.10 **Demolition**

Demolition will be carried out using a Demolition specification tracked excavator fitted with demolition guards and capable of reaching the furthest point of the building yet maintaining a safe working distance. **PPE to be worn as per the risk assessment.**

The excavator will be fitted with a rotating hydraulic clam shell basket - pulveriser and de-constructing the structures in a controlled manner in accordance with BS6187:2011.

The 8 ton excavator will be set up with a selector grab this shall give the machine sufficient safe working capabilities.

The Demolition site manager / supervisor along with the banksman will at all times be in radio contact with the High reach demolition operator and only when the high reach demolition operator confirms that it is safe to enter the demarcation zones will permission be granted.

Work will commence on one elevation of the structure and progress through the building in an organised manner. The start point will be dictated by the direction of span of the roof, the ends of which must continue to be sorted until removed in sequence as they will continue to provide stability working back towards the central core of the building.

Concrete elements of the building will be pulverised in-situ to minimise the size of debris falling to ground level.

All concrete and brick walls are to be demolished to ground level. The ground slabs are to be broken out and the foundations removed.

## 6.11 **Environmental Requirements**

In the event of an Environmental Incident, procedures must be followed to ensure risks of further spillages / migration of pollutants are minimised. Contact details will be clearly displayed on site and information clearly explained to all site personnel.

The location of sensitive receptors such as watercourse, drainage and bore holes must be identified. An appropriate number of spill kits will be located within these areas. It is the responsibility of the site management to ensure all spill kits are fully stocked at all times, and an inventory of equipment within the container to be clearly displayed within the lid.

### **Construction Dust, Noise, Vibration and Lighting Management**

Nuisance for the purposes of this document is broken into four sections, namely Dust, Noise, Vibration and Lighting. The following sections detail activities and control methods to be implemented on the project.

Sensitive receptors likely to be affected by construction nuisance include the residential / commercial properties closest to the site boundary and residential properties along construction traffic routes.

#### **Dust**

Mechanical disturbance of granular material exposed to air creates atmospheric dust, this type of dust generation is termed as 'fugitive' as it is not discharged into the atmosphere in a confined stream. The potential sources of these fugitive dust emissions are outlined below:

- Site clearance
- On site earth moving operations, site levelling, cut and fill etc
- Vehicle movements overhaul roads and on-site during dry periods
- Wind blowing across the site during dry periods.
- Stockpiling of materials
- Cutting and grinding
- Accidental spillage and loss of load from vehicles carrying loose material

The generation of this fugitive dust required consideration of additional factors such as:

- Prevailing wind (speed, direction)
- Prevailing climate, including rainfall
- Location of sensitive receptors (including residential and commercial properties, habitats and watercourses)

Prevailing winds are specifically important when considering fugitive dust. The speed of winds can determine the dispersion of dust; high winds can increase the initial generation of dust, in addition to carrying the dust over greater distances.

Appropriate preventative measures to control dust emissions can significantly reduce the potential for dust generation. Implementation of the following methods will help to minimise risk.

Risk	Control Measure
Construction Traffic	<ul style="list-style-type: none"><li>• All construction traffic will follow specifically designated routes</li><li>• Speed limits will be put into place on site for all vehicular movements</li><li>• All vehicles carrying loose material will be covered</li></ul>
Stockpiles	<ul style="list-style-type: none"><li>• To be sealed or sprayed with chemical bonding agents as required</li><li>• Location of stockpiles away from any sensitive receptors</li><li>• To be seeded to allow the growth of grass if stockpiled for long periods of time</li></ul>

Dust Suppression	<ul style="list-style-type: none"> <li>• Mobile browsers to be deployed on site at regular intervals. Activity to be increased during significantly dry and windy periods</li> <li>• Where necessary, use of hoardings to be considered to ensure reduction in dust migration</li> <li>• Deliveries of significantly dusty materials to be sprayed to reduce dust potential</li> <li>• All cutting and grinding operations to be conducted in ways to reduce risk of dust migration (wet cutting techniques etc)</li> </ul>
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## **Noise**

Noise has the potential to cause disturbance, given the nearby buildings. It is essential that the works comply with any conditions which will be laid out by the Local Authority. Council's policy on hours of work is as follows:

- Monday to Friday 8am - 5pm
- Saturday 8.30am - 1pm
- No Sunday, Bank holiday or public holiday working

Work may be permitted outside of these hours in exceptional circumstances and only by prior agreement with the Council and will be conditional on the contractor informing local businesses in advance of the proposed activity.

Any complaints raised due to noise should be recorded.

In addition, our team will embrace best practice with regards noise minimisation. Best practice will include:

- All construction plant and equipment will comply with EU noise emission limits.
- Plant will be serviced regularly to minimise adverse noise impacts.
- All vehicles and mechanical plant used for the purpose of the works will be fitted with effective exhaust silencers and maintained in good efficient working order.
- Selection of inherently quiet plant where appropriate. All major compressors will be 'sound reduced' models fitted with properly lined and sealed acoustic covers which will be kept closed whenever the machines are in use and all ancillary pneumatic percussive tools will be fitted with mufflers or silencers of the type recommended by the manufacturers.
- Machines in intermittent use will be shut down in the intervening periods between works or throttled down to a minimum.
- Plant and equipment such as flatbed Lorries, skips & chutes will be lined with noise attenuating materials. Materials will be handled with care & be placed, not dropped.
- Materials will be delivered during normal working hours.
- Plant reversing near dwellings will have banksmen in place of audible sounder on machine.
- All ancillary plant such as generators, compressors and pumps will be positioned so as to cause minimum noise disturbance, i.e. furthest from receptors or behind close boarded noise barriers. If necessary, acoustic enclosures and / or shielding will be provided.

Where practical, noise barriers, enclose construction works, when working in the vicinity of the offices, will be provided. This will provide additional mitigation for the short-term significant construction noise effects at these locations.

## **Bats**

NOT APPLICABLE

## **6.12 Waste Management**

### **Environmental Permitting**

Any activities within the site which may fall into the Environmental Permitting Regime need clarification and appropriate licences or exemptions. The site will maintain regular contact with the Environment Agency with regards to any issues arising through the Environmental Permitting Regulations.

### **Segregation of Waste**

To ensure maximum potential for reducing waste to landfill, and encouraging reuse and recycling, waste will be segregated. Separate skips will be made available for all types of waste. Each skip will be clearly labelled and site personnel will be informed of procedures within the induction. Regular monitoring will be undertaken to ensure correct procedures are followed at all times. The skips will be emptied at regular intervals to prevent overfilling. Toolbox Talks will be undertaken with all site personnel to ensure full understanding of waste procedures.

### **Disposal of Non-Hazardous Waste**

All non-hazardous waste will be removed from site within strict adherence to all waste legislation requirements, including Duty of Care Regulations. Prior to any agreed use of hauliers or waste disposal sites, the appropriate licences will be thoroughly checked to ensure that particular waste streams can be accepted, and carrier licences are valid. This can only be undertaken by authorised personnel and copies of all necessary licences must be retained on site at all time and reviewed for expiry. No waste will leave site without appropriate waste transfer notes.

It is essential that all waste transfer notes are inspected for detail and must contain the correct description of waste as well as the correct waste code, in line with the List of Waste Codes Regulations. Only authorised and fully trained personnel may sign waste transfer notes. Regular audits will be undertaken to ensure correct procedures are being followed.

There should not be any significant quantities of inert waste taken off site as the intention is to design the project creating an earthworks balance on site, using all material suitable for re-use on an industrial site (EA guidelines). Surplus material will be used in site re-profiling.

### **Disposal of Hazardous Waste**

Hazardous waste arisings are expected on this site in the form of Asbestos, the site must be registered as a producer of Hazardous Waste. No hazardous waste must leave site without the correctly completed Consignment Note.

The consignment notes must contain all necessary information including waste description and hazardous waste registration number. Any carriers removing hazardous waste must have appropriate licences and disposal sites must be verified to be able to accept waste being sent. These checks and signing of consignment notes can only be undertaken by authorised personnel.