Construction Method Statement
Henthorn Road,
Clitheroe

Construction Method Statement for Taylor Wimpey Manchester

Introduction

This document has been prepared as part of the reserved matters application submission for the site at Henthorn Road which has out line approval ref. APP/T2350/A/11/2161186. The report will seek to address condition 24 of the outline planning approval.

Background

Planning Condition 4 of the approved planning consent 3/2012/0629 reads as follows;

"No phase of development shall take place until a construction method statement has been submitted to, and approved in writing by the local planning authority. The approved statement shall be adhered to throughout the construction period. The statement should provide for:

- *(i) the parking of vehicles of site operatives and visitors*
- *(ii) loading and unloading of plant and materials*
- *(iii) storage of plan and materials used in constructing the development*
- *(iv) the erection and maintenance of security hoarding including decorative displays and facilities for public viewing where appropriate*
- *(v) wheel washing facilities*
- *(vi) measures to control noise and emission of dust and dirt during construction*
- *(vii) a scheme for recycling/ disposing of waste resulting from construction works."*

It is intended that this document specifically addresses the points in planning condition 24.

This document must be read in conjunction with drawing TW/TMP/08-01.

Site Access

The proposed development is located within Clitheroe to the south west of the town centre. The site is accessed from Henthorn Road to the south east of the site. To the north and west are open fields and beyong the north eastern boundary are residential properies. To the south of Henthorn Road are further fields.

A new access to the development is to be created of Henthorn Road with the within the site being to adoptable standards. All access to the site during the construction period is via the Henthorn Road entrance.

Proposed Development Programme

The development is to be constructed in accordance with the phasing/ build direction indicated on the traffic management plan and to the dates set within the development programme. The development programme is a live document that is regularly reviewed and updated. A copy is to be kept on site and in the office along with this method statement.

Construction Compound

A standard compound arrangement is enclosed within appendix 3 of the report.

Taylor Wimpey's compound will be located on plots 26 & 37 and Barratts compound will be located on plots 194 to 196. The location and access to the compound is shown on drawing 08-01 (appendix 2).

Working Hours

Site Working Hours are specified as Monday to Friday 0800 to 1800 and 0800 to 1300 on Saturday. A copy of these terms and conditions are given to all contractors on issue of a new order for any new phase of a development.

Taylor Wimpey will insist that all drivers accessing the site show respect for the surrounding neighbours of the development. Deliveries will only be accepted within the site working hours.

A copy of the Construction Method Statement will be provided to contractors who have large deliveries to make to the site, and will be asked not to arrive to site outside the specified working hours.

Traffic Management

As shown on the drawing 08-01 (appendix 2) the access to the site for all vehicles is to be off Henthorn Road

Parking

A designated parking area will be provided for site visitors and contractors as shown on drawing 08-01(appendix 2). Taylor Wimpey parking will be located on plot 33 and Barratt on plots 169 & 170.

Site visitors and contractors will be advised not to park on the established road networks, and will be encouraged to use the parking provided within the site boundary.

A copy of the Construction Method Statement will be held on site within the site manager's office. The site manager will direct site visitors to the designated parking areas on their induction to the site.

All personnel visiting and working on the site will be given a site induction in conjunction with the Taylor Wimpey Health and Safety Policies and Procedures.

Road Cleaning Strategy

It is important that the surrounding road network is kept clean A road sweeper will be used as appropriate to protect the surrounding road conditions. The frequency of the sweeping will increase when works which comprise excavations and earth moving are ongoing.

As an additional measure, a jet washing arrangement may be set up should there prove to be difficulties with the road sweeping arrangements. This jet wash would be used to clean the carriageway and be used to wash wheels if necessary.

Control of Noise & Dust

As part of the Taylor Wimpey HSE policy we have procedures and risk assessments in place for the control of dust and noise I copy of these documents are included in Appendix 5.

Site Waste Management.

As a company wide environmental policy Taylor Wimpey produces for every site a Site Waste Management Plan. This is prepared and monitored by Reconomy and is a working document which is monitored and progressed during the life cycle of the project.

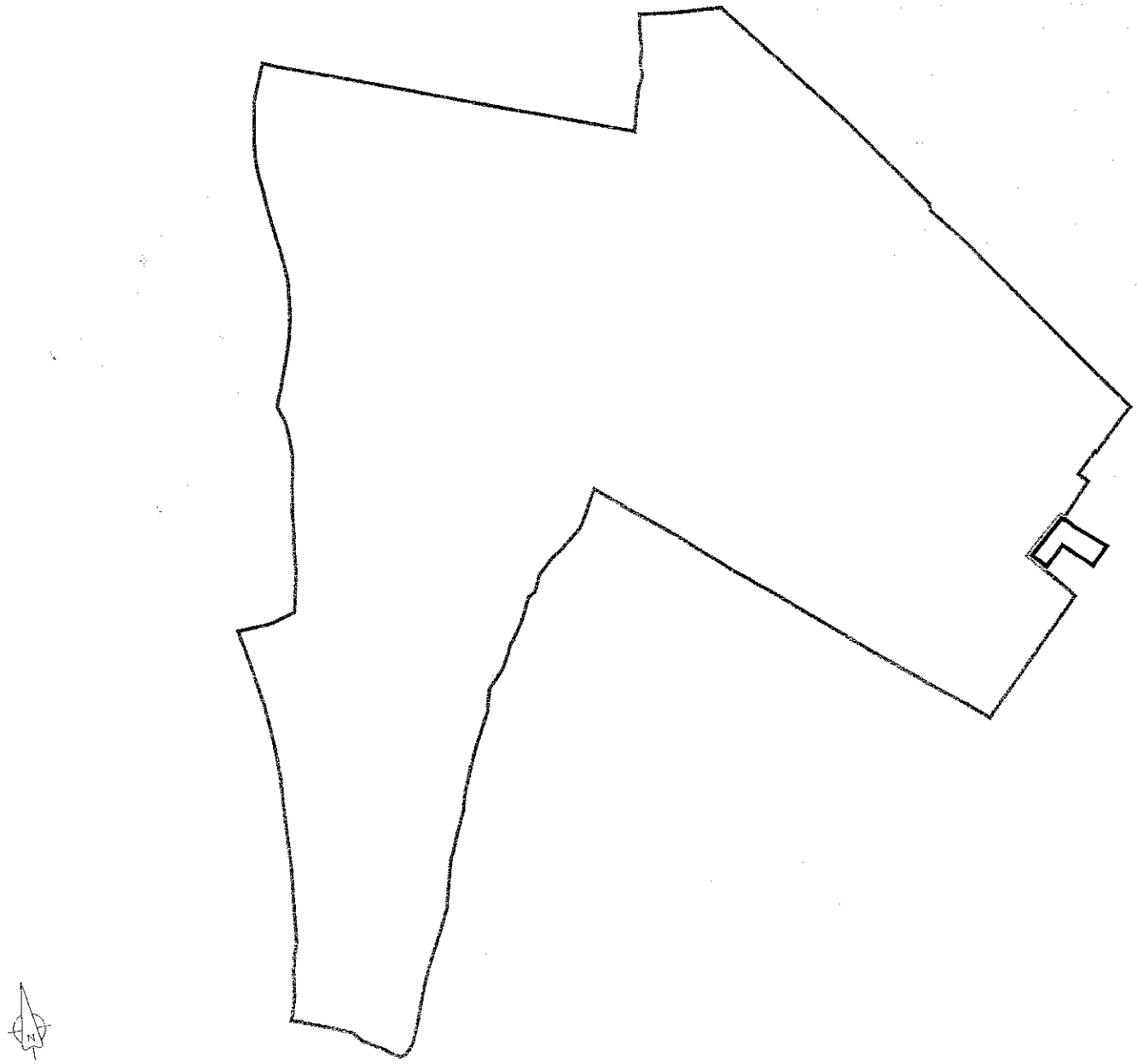
The SWMP is discussed with all site operatives as part of the induction process for starting on site and included in tool box talks.

All waste management issues are to be highlighted to Reconomy as part of the SWMP review process.

A copy of the SWMP will be kept in the site office and a copy kept in the regional office during the construction project and for at least 3 years after the development is completed. The SWMP is a live document which is update throughout the duration of the project.

A copy of a SWMP which we are currently working to on anther site in Clitheroe is included in Appendix 4. Once the site has progressed to a stage that a SWMP is instructed the Construction Method Statement is to be updated to include the current SWMP.

Appendix 1
Location Plan



Baldwin Design
Consultancy Ltd

Revision:

Project Title:
Residential Redevelopment

Address:
Henthorn Road,
Clitheroe

Drawing:
Location Plan

Drawing No:
TW/HR/LP/01

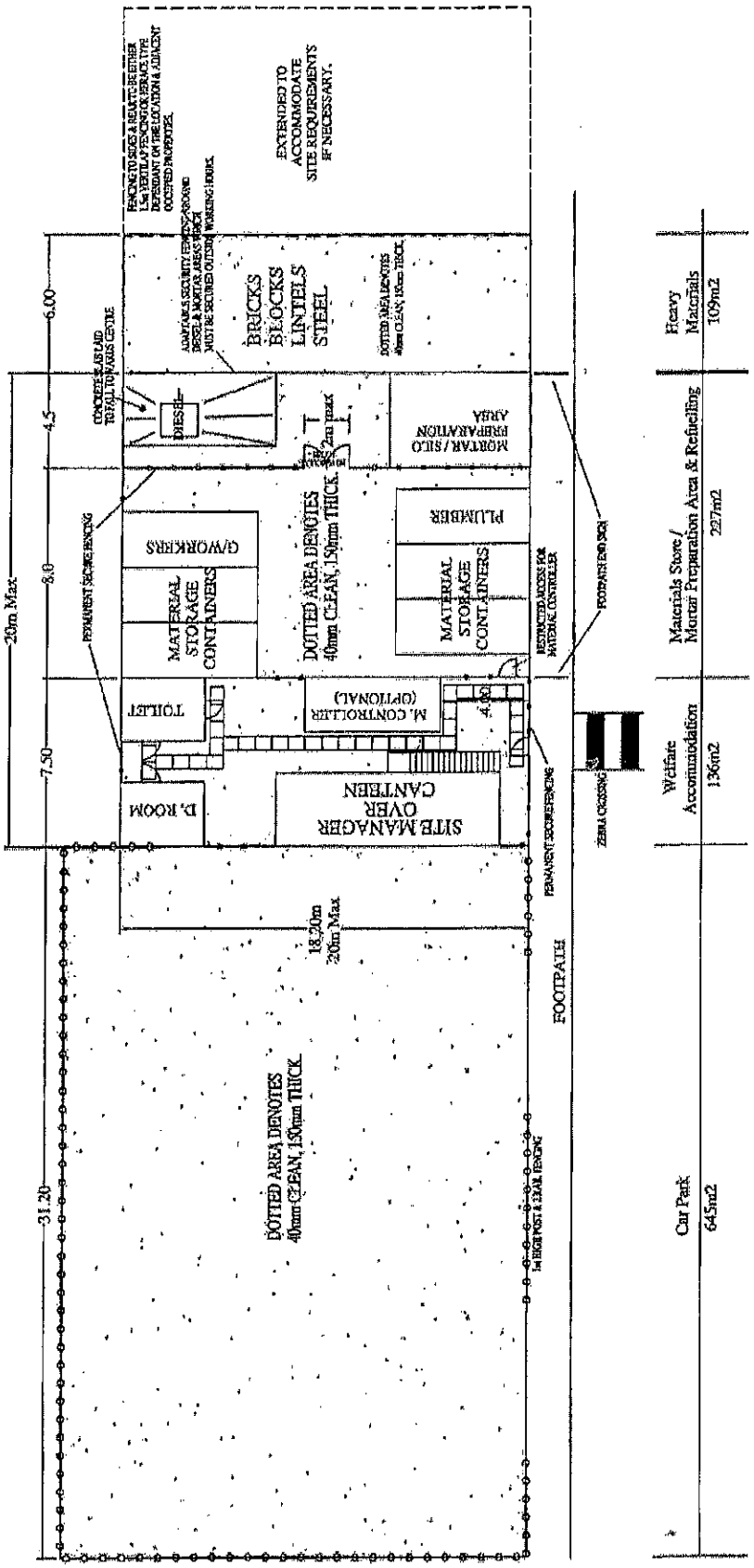
Drawn: JL
Date: Date: 01/11/12

Scale: 1:1250
Paper Size: A1

Town Farm, 17 Slater Close, Cuerden, Warrington, Cheshire, WA5 4RW tel. 01925 715515 e-mail graeme@baldwindesign.co.uk

Appendix 2
Traffic Management Plan

Appendix 3
Typical Compound Layout



Standard Compound

Appendix 4
Site Waste Management Plan

Reconomy

Site Waste Management Plan

Plan reference	12016
Environmental Compliance No	267038, 267033
Hazardous Registration No	TBC
Hazardous Waste Premises Code	OCG982
Client	Taylor Wimpey Manchester
Principal Contractor	Taylor Wimpey Manchester
Site Address	Chapel Close Low Moor Clitheroe
Estimated cost of project	£5,300,000
Plan created	24th October 2012

This plan has been created using Reconomy's Portal.

1.2 Overview

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1.3 Overview

Roles and Responsibilities

Plan not completed

	Item	Comments
	Site Manager Name	tbc
	Forklift Truck Driver and/or Material Controllers Name	tbc
	Principle Contractor Representative/s Name/s	John Hewitt
✓	Site Waste Management Plan discussed as part of Induction process with all trades	
✓	Tool Box Talks completed discussing Site Waste Management Plan and Waste Management on site	
✓	All Waste Management Issues to be highlighted with Reconomy as part of Site Waste Management Plan review process	
✓	All afore mentioned members of site team to be present and take part in Site Waste Management Plan review meetings. Any amendments to the plan to be discussed.	

Site Waste Management Plan will be kept in the site managers/principle contractors office on site at all times

A copy will be kept in the Taylor Wimpey regional office during the project and for at least 3 years once the project is completed

Taylor Wimpey and our sub contractors are commited to managing the wastes produced on this site in a appropriate manner and in accordance with the relevant legislation (e.g the Duty of Care regulations, Environmental Permiting Regulations and the Hazardous Waste Regulations, and their subsequent ammendments

Appropriate facilities for materials storage and waste management will be provided on site.

We use appropriately licensed waste brokers such as Reconomy to help manage our wastes on site and to help fulfil our obligations under the Enviromental Protection Act and its subsequnt Regulations.

We work with our waste brokers to minimise the amounts we send to landfill through increased segregation and the use of materials recycling facilities.

We use a waste management matrix (WMM) to aid our site managers in completing duty of care checks for wastes that leave site. The WMM lists all the wastes leaving site. The waste carriers and the sites receiving the waste including licence details. The WMM covers all wastes from demolition through to site completion and is updated as appropriate (e.g. when a new disposal site or waste type is identified)

Hazardous waste will be dealt with in accordance with the Taylor Wimpey Site HSE Manual. Section 4.27 Waste Management. This provides a table that identifies what would generally be classed as hazardous waste generated - the section also gives the measures to be adopted. Reconomy will be utilised to remove any hazadous wastes from site.

The SWMP will be updated at least on a quarterly basis.

1.4 Overview

Waste Management Matrix

Contractor	Waste carrier	Registration no.	Disposal site	Type of site	License permit / exemption no.
Reconomy	Environment Agency	Not Applicable			
Reconomy	Reconomy (UK) Ltd	CB/LN5011NX			

2.1 Waste Minimisation

Reconomy

Waste Minimisation Statements

Plan not completed

	Item	Comments
	Waste Minimisation	
	Taylor Wimpey and our subcontractors will manage our materials efficiently in order to minimise wastage.	
	Taylor Wimpey will endeavour to apply the principles of the waste hierarchy (eliminate, reduce, reuse, recycle, dispose) to waste	
	We encourage the reuse of inert wastes and soils on all of our sites when feasible and allowable within the current regulatory framework.	
	Waste minimisation has been considered during the design process and the following measures have been implemented :	
✓	Consideration of build dimensions to reduce waste e.g. cut bricks, etc.	
✓	Mass balance exercise has been undertaken to retain as much material on site as possible, therefore minimising waste to landfill	
✓	Site layout / programme review in order to maximise the reuse of site won materials.	
✓	Materials specifications have been reviewed to reduce wastage.	
✓	Review of materials schedule to ensure reduced over ordering of materials and have introduction of 'just in time' deliveries when appropriate.	
	Other :	
	We have agreements with our suppliers to facilitate the reduction of waste on site such as:	
✓	The return of unused or damaged goods	
✓	The removal of all off cuts by our carpet fitters	
✓	The removal of packaging associated with white goods by our suppliers	
	Other :	
	Other :	
	Other :	
	NOTE: The above should reflect the measures taken in the consideration of waste minimisation. This should include the building design, site layout,use of secondary/recycled materials, reviewing material specifications and the reuse of materials, etc	

2.2 Waste Minimisation

Waste Diverted From Landfill

Plan not completed

	Item	Comments
	The following waste streams will be diverted from landfill	
✔	Plasterboard: All plasterboard waste will be segregated on site and returned for recycling. (e.g. British Gypsum)	
✔	Soils: The site has been designed to retain as much soil on site as possible whilst maintaining protection of human health and the environment	
✔	Timber: All timber is to be segregated on site and sent to a local charity/similar for recycling (details provided in the Waste Management Matrix).	
✔	Metal: All metal is to be segregated on site and sent for recycling (see waste management matrix for details).	
✔	Inert waste (e.g. bricks, blocks, concrete): All inert waste will be segregated on site and used under roads, drives etc as appropriate.	
	Other	
	Note: Review the statements and only choose those that are applicable to your site (e.g. timber may not be segregated on site for recycling).	
	All mixed waste removed from site will be taken to a material recycling facility for further segregation to maximise recycling and recovery.	

2.3 Waste Minimisation

Site Segregation

Plan not completed

Item	Comments
A designated area has been identified for waste management for each phase.	
All hazardous waste will be segregated from all other wastes and clearly labelled.	
Clear signage will be provided for all skips.	

2.4 Waste Minimisation

Who Takes What

Carpets, Vinyl & Laminates - Designer Contracts - Remove polythene and cardboard packaging [incl. inner rolls, carpet, underlay, vinyl and laminate flooring off-cuts).

Plasterboard - British Gypsum - Remove plasterboard [standard, insulated & moisture resistant], old plaster

Shower Enclosures - Roman - Remove polythene, cardboard, banding and polystyrene packaging

White Goods - Supply & Fit - Contract Supplies - Remove polythene, cardboard, banding and polystyrene packaging

White Goods - Supply & Fit - DBD Kitchen Products - Remove polythene, cardboard, banding and polystyrene packaging

White Goods - Supply & Fit - Merchant City Distributors - Remove polythene, cardboard, banding and polystyrene packaging

White Goods - Supply & Fit - PJH Group - Remove polythene, cardboard, banding and polystyrene packaging

White Goods - Supply & Fit - DAD Domestic Appliances - Remove polythene, cardboard, banding and polystyrene packaging

White Goods - Supply & Fit - JPD Contracts - Remove polythene, cardboard, banding and polystyrene packaging

White Goods - Supply & Fit - LW Cole Distributors - Remove polythene, cardboard, banding and polystyrene packaging

Blocks - Thermalite [Hanson] - Remove supplied pallets

Building Goods - Logistics - Remove supplied pallets

Dry-Lining Products [Plasterboard & Accessories] - Encon - Remove supplied pallets

Dry-Lining Products [Plasterboard & Accessories] - CCF - Remove supplied pallets

Dry-Lining Products [Plasterboard & Accessories] - Sheffield Insulation - Remove supplied pallets

Dry-Lining Products [Plasterboard & Accessories] - Minster - Remove supplied pallets

Plumbing Products - PTS - Remove supplied pallets

Roof Tiles - Redland - Remove supplied pallets (Min 10)

*Note: The above arrangements have been made with the listed companies through Central Procurement. If the supplier is not removing the items listed, please contact your respective commercial director to allow them to discuss with Nic Attree / Nick Dyke (Central Procurement). Central Procurement have also made the necessary checks re the suppliers ability to meet their Waste related 'Duty of Care'

2.5 Waste Minimisation

Sign-off

I hereby confirm that any information given above will form part of the Site Waste Management Plan, and as such, is current and correct. In addition, I confirm compliance with the requirements of Duty of Care and that material will be handled efficiently and waste managed appropriately.

Signature .....

Full name .....

Position .....

Company .....

3.1 Groundworks phase

Groundworks Phase details

Section not completed

Phase description	Groundworks
Person(s) in charge of site works	

Declaration

Taylor Wimpey Manchester confirms compliance with the requirements of Duty of Care and that all materials will be handled efficiently and waste managed appropriately.

Reconomy

3.2 Groundworks phase

Waste to be created

Section not completed

No data recorded yet.

3.3 Groundworks phase

Waste created

Section not completed

Actual

No data recorded yet.

Reconomy's figures last updated 24th October 2012. Click the **Refresh** button above to check for the latest Reconomy data. Click the **Detail** button above to view how the Reconomy figures were derived.

Difference from predicted

No data recorded yet.

3.4 Groundworks phase

Quarterly Review Form

Section not completed

Item	Comments
Date	
Person Reviewing the Plan (Name And Job Title)	
Title	
Has the site layout or design changed significantly since the SWMP was produced / last reviewed? Does the SWMP need to be updated to reflect these changes? (e.g.Additional units been added or changes to floor area that could affect the volume of waste produced)	
Have additional waste streams been identified on site? If yes, detail type and reason and update the forecast sheets and monitoring tool. (e.g.Unexpected contamination such as soils hot spots, Japanese knotweed, etc have been identified on site that have affected the volume of waste produced)	
Are any waste streams being managed in a different way to that identified in the SWMP? If yes, why and how are they being managed? (e.g.Wastes that were to be recycled now being sent to landfill)	
The Plan has been updated as per the above requirements.	
Note : If this phase of works does not last more than 3 months please complete the Post Phase Completion Section ONLY and not the Quarterly Review as not required.	

3.5 Groundworks phase

Post Phase Completion Review

Section not completed

Item	Comments
Date Form Completed	
Phase Completed (Date)	
Person Reviewing the Plan	
Title	
Taylor Wimpey confirm that the phase is now completed and that a review of the SWMP has been made.	
Taylor Wimpey confirm that the SWMP has been reviewed and monitored on a regular basis to ensure that work progressed according to the plan, and that the plan was updated accordingly.	
During the review the following differences between the plan and actual performance were identified (e.g.Unexpected contamination such as soils hot spots, Japanese knotweed, etc have been identified on site that have affected the volume of waste produced)	

3.6 Groundworks phase

Additional documentation

Attach any additional documentation relating to this phase in here.

3.7 Groundworks phase

Declaration - Groundworks Phase

We confirm compliance with the requirements of Duty of Care and that all materials will be handled efficiently and waste managed appropriately.

Signature .....

Full name .....

Position .....

Company .....

4.1 Build phase - Plot Works

Build Phase details

Phase not completed

Phase description	Build
Person(s) in charge of site works	tbc

Period 1	29th October 2012 - 29th January 2013
Period 2	29th January 2013 - 29th April 2013
Period 3	29th April 2013 - 29th July 2013
Period 4	29th July 2013 - 29th October 2013
Period 5	29th October 2013 - 29th January 2014
Period 6	29th January 2014 - 14th April 2014

Waste type	Contractor	Waste carrier	Registration no.	Expiry	Disposal site	Type of site	License permit / exemption no.	EA checked?
Other wastes not specified	Reconomy	Environment Agency	Not Applicable					✔
Other wastes not specified	Reconomy	Reconomy (UK) Ltd	CB/LN6011NX	22/02/14				✔

Declaration

Taylor Wimpey Manchester confirms compliance with the requirements of Duty of Care and that all materials will be handled efficiently and waste managed appropriately.

4.2 Build phase - Plot Works

Reconomy

Waste to be created

Phase not completed

	Waste Type	EWC code	Predicted	Re-use on site	Recycle	Dispose	Container	Number
☐	Mixed construction waste	17-09-04	40.5 T		34.4 T	6.1 T	12 yd REL	
☐	Light mixed and compactable waste	17-09-04 + 20-03-01	151.2 T		128.5 T	22.7 T	12 yd REL	
☐	Mixed inert wastes	17-01-07	48.6 T		48.6 T		12 yd REL	
☐	Timber from construction	17-02-01	75.6 T		75.6 T		12 yd REL	
☐	Plasterboard	17-08-02	48 T		48.0 T		12 yd REL	
☐	Mixed metals from construction	17-04-07	4.32 T		4.3 T		12 yd REL	
☐	Haz Waste station Collection	20-01-27	2.7 T		2.0 T	0.7 T	12 yd REL	
	Totals		370.92 T	0 T	341.4 T	29.5 T		0

4.3 Build phase - Plot Works

Reconomy

Waste created

Section not completed

Actual

No data recorded yet.

Reconomy's figures last updated 24th October 2012. Click the **Refresh** button above to check for the latest Reconomy data. Click the **Detail** button above to view how the Reconomy figures were derived.

Difference from predicted

	Waste Type	EWC code	Produced	Re-use on site	Recycle	Dispose
☐	Mixed construction waste	17-09-04	-40.5 T	0 T	-34.4 T	-6.1 T
☐	Light mixed and compactable waste	17-09-04 + 20-03-01	-151.2 T	0 T	-128.5 T	-22.7 T
☐	Mixed Inert wastes	17-01-07	-48.6 T	0 T	-48.6 T	0 T
☐	Timber from construction	17-02-01	-75.6 T	0 T	-75.6 T	0 T
☐	Plasterboard	17-08-02	-48 T	0 T	-48 T	0 T
☐	Mixed metals from construction	17-04-07	-4.32 T	0 T	-4.3 T	0 T
☐	Haz Waste station Collection	20-01-27	-2.7 T	0 T	-2 T	-0.7 T
	Totals		-370.92 T	0 T	-341.4 T	-29.5 T

4.4 Build phase - Plot Works

Quarterly Review Form

Section not completed

Item	Comments
Date	
Person Reviewing the Plan (Name And Job Title)	
Title	
Has the site layout or design changed significantly since the SWMP was produced / last reviewed? Does the SWMP need to be updated to reflect these changes? (e.g.Additional units have been added or changes to floor area that have affected the volume of waste produced)	
Have additional waste streams been identified on site? If yes, detail type and reason and update the forecast sheets and monitoring tool. (e.g.Unexpected contamination such as soils hot spots, Japanese knotweed, etc have been identified on site that have affected the volume of waste produced)	
Are any waste streams being managed in a different way to that identified in the SWMP? If yes, why and how are they being managed? (e.g.Wastes that were to be recycled now being sent to landfill)	
The Plan has been updated as per the above requirements.	
Note : If this phase of works does not last more than 3 months please complete the Post Phase Completion Section ONLY and not the Quarterly Review as not required.	

4.5 Build phase - Plot Works

Post Phase Completion Review

Section not completed

Item	Comments
Date Form Completed	
Phase Completed (Date)	
Person Reviewing the Plan	
Title	
Taylor Wimpey confirm that the phase is now completed and that a review of the SWMP has been made.	
Taylor Wimpey confirm that the SWMP has been reviewed and monitored on a regular basis to ensure that work progressed according to the plan, and that the plan was updated accordingly.	
During the review the following differences between the plan and actual performance were identified (e.g.Additional units have been added or changes to floor area that have affected the volume of waste produced)	

4.6 Build phase - Plot Works

Additional documentation

Attach any additional documentation relating to this phase in here.

4.7 Build phase - Plot Works

Declaration - Build Phase

We confirm compliance with the requirements of Duty of Care and that all materials will be handled efficiently and waste managed appropriately.

Signature .....

Full name .....

Position .....

Company .....

5.1 Post Site Completion summary

Post Completion Checklist

Section not completed

Item	Comments
Taylor Wimpey confirm that the phase/site is now complete and a review of the site waste management plan has been made.	
The site waste management plan was reviewed and monitored regularly to ensure work progressed in accordance with the plan, and that the plan was updated accordingly.	
During the review the following differences between the plan and actual performance were highlighted.. (e.g. More inert from demolition was used than initially estimated or the volume of soils re-used on site was less than initially estimated, due to identification of unexpected contamination)	
1:	
2:	
3:	
4:	
5:	
The following cost savings were made due to the implementation of the site waste management plan.	
Any other comments :	

5.2 Post Site Completion summary

Post completion Summary

Groundworks phase

Predicted

No data recorded yet.

Actual

No data recorded yet.

Difference

No data recorded yet.

Build phase

Predicted

	Waste Type	EWC code	Produced	Re-use on site	Recycle	Dispose
☐	Mixed construction waste	17-09-04	40.5 T		34.4 T	6.1 T
☐	Light mixed and compactable waste	17-09-04 + 20-03-01	151.2 T		128.5 T	22.7 T
☐	Mixed inert wastes	17-01-07	48.6 T		48.6 T	
☐	Timber from construction	17-02-01	75.6 T		75.6 T	
☐	Plasterboard	17-08-02	48 T		48.0 T	
☐	Mixed metals from construction	17-04-07	4.32 T		4.3 T	
☐	Haz Waste station Collection	20-01-27	2.7 T		2.0 T	0.7 T
	Totals		370.92 T	0 T	341.4 T	29.5 T

Actual

No data recorded yet.

Difference

	Waste Type	EWC code	Produced	Re-use on site	Recycle	Dispose
☐	Mixed construction waste	17-09-04	-40.5 T	0 T	-34.4 T	-6.1 T
☐	Light mixed and compactable waste	17-09-04 + 20-03-01	-151.2 T	0 T	-128.5 T	-22.7 T
☐	Mixed inert wastes	17-01-07	-48.6 T	0 T	-48.6 T	0 T
☐	Timber from construction	17-02-01	-75.6 T	0 T	-75.6 T	0 T
☐	Plasterboard	17-08-02	-48 T	0 T	-48 T	0 T
☐	Mixed metals from construction	17-04-07	-4.32 T	0 T	-4.3 T	0 T
☐	Haz Waste station Collection	20-01-27	-2.7 T	0 T	-2 T	-0.7 T
	Totals		-370.92 T	0 T	-341.4 T	-29.5 T

5.3 Post Site Completion summary

Declaration - Post Completion

We confirm compliance with the requirements of Duty of Care and that all materials will be handled efficiently and waste managed appropriately.

Signature .....

Full name .....

Position .....

Company .....

6.1 Appendices

Overview - The Site Waste Management Plans Regulations 2008

Introduction

The Site Waste Management Plans Regulations 2008 were laid before Parliament on 15th February 2008, and came into full force on 6th April 2008. The regulations do not apply to any project that was planned before 6th April, if construction work commenced before 1st July 2008.

They apply to all projects with a value of £300k or more, with additional updating requirements for projects with a value of £500k or more.

The regulations place the initial responsibility for the production of the plan with the client. The client must produce the plan before the project is started. If a project is started without a site waste management plan, then both the client and the principal contractor are guilty of an offence under these regulations. The regulations also lay out what the plan must include.

Requirements for a site waste management plan:

The plan must identify:

- The client
- The principal contractor
- The person who drafted it
- The location of the site
- The estimated cost of the project

It must record any decision made in order to minimise the quantity of waste produced on site before the plan was drafted.

It must:

- Describe each waste expected to be produced
- Estimate the quantity of each type of waste
- Identify the waste management action for each type of waste including re-using, recycling, recovery of disposal.

It must also contain a declaration that both the client and the principal contractor will comply with the requirements of Duty of Care and that materials will be handled efficiently and waste managed appropriately.

Updating the plan

Once the project starts then the regulations place an obligation on the principal contractor to update the plan. If the project has a value of less than £500k then they must record details of the identity of the person removing the wastes, the types of waste removed and the site the waste is being taken to. They must also, within three months of the completion of the project, add a confirmation that wastes have been monitored and the plan updated to reflect any changes along with an explanation of any deviation from the plan.

If the project is worth more than £500k, then these requirements are increased to include further, more clearly defined, Duty of Care information. The principal contractor must also:

1) Review the plan
2) Record quantities and types of waste produced
3) Record the types and quantities of waste that have been:
   a) Reused (on or off site)
   b) Recycled (on or off site)
   c) Sent of other forms of recovery (on or off site)
   d) Sent to landfill
   e) Otherwise disposed of
4) Update the plan to reflect the progress of the project

Within three months of the work being completed the principal contractor must add to the plan:

- Confirmation that the plan has been monitored and updated in accordance with the regulation
- A comparison of estimated quantities of each type of waste generated against the actual quantities of each waste type
- An explanation of any deviation from the plan
- An estimate of the cost savings that have been achieved by completing and implementing the plan (an increased cost will effectively be a negative saving)

The principal contractor must ensure that the plan is kept on site, and every contractor knows where it is kept. It must be available to any contractor carrying any work described in the plan

The principal contractor must retain the plan for two years following the completion of the project.

Additional Duties

In addition to the requirements laid out in the regulations the Client and Principal Contractor must, so far as is reasonably practicable, comply with a number of additional duties laid out in the Schedule to the regulations.

These include:

- Ensuring cooperation between contactors during the construction phase.
- Induction, information and training for every worker, with respect to the site waste management plan.
- Ensuring that waste produced is reused, recycled or recovered

There are also a number of other requirements relating to joint responsibilities for both the client and Principal contractor.

Failure to comply with this schedule is also an offence.

Enforcement and Penalties

The Environment Agency and local government or council enforcement officers will enforce these regulations.

A person found guilty of an offence is liable, on summary conviction to a fine not exceeding £50k or on indictment to an unlimited fine. Where a corporate body is guilty of an offence, individual liability also applies to directors, managers and other persons acting in a similar capacity.

The enforcement body may also issue a £300 fixed penalty notice if any person fails to produce a site waste management plan or any other record when required to do so by an Enforcement Officers.

6.2 Appendices

Waste Carriers and Brokers Registration Certificate

Environment Agency

CERTIFICATE OF REGISTRATION UNDER
THE WASTE (ENGLAND AND WALES) REGULATIONS 2011

Regulation Authority

Name:	Environment Agency
Address:	National Customer Contact Centre 99 Parkway Avenue Sheffield S9 4WF
Tel: 03708 506 506	Fax: 0114 2626697

The Environment Agency certify that the following information is entered in the register which they maintain under regulation 28 of the Waste (England and Wales) Regulations 2011:-

Name(s) of registered carrier:	Reconomy (UK) Ltd.
Registered as an:	Upper Tier Carrier Broker Dealer
Registration number:	CBDU5011NX (previously known as BDUK/722000)
Business name (if any):	Reconomy (UK) Ltd
Address of principal place of business:	RADFORD HOUSE STAFFORD PARK 7, TELFORD, SHROPSHIRE, TF3 3BQ, England
Tel: 08052 202 000	Fax: 07006 807 924
Date of registration:	22/10/2012
Date of expiry of registration (unless revoked):	26/09/2015

Signature of authorised officer of the regulation authority: Date: 24/10/2012

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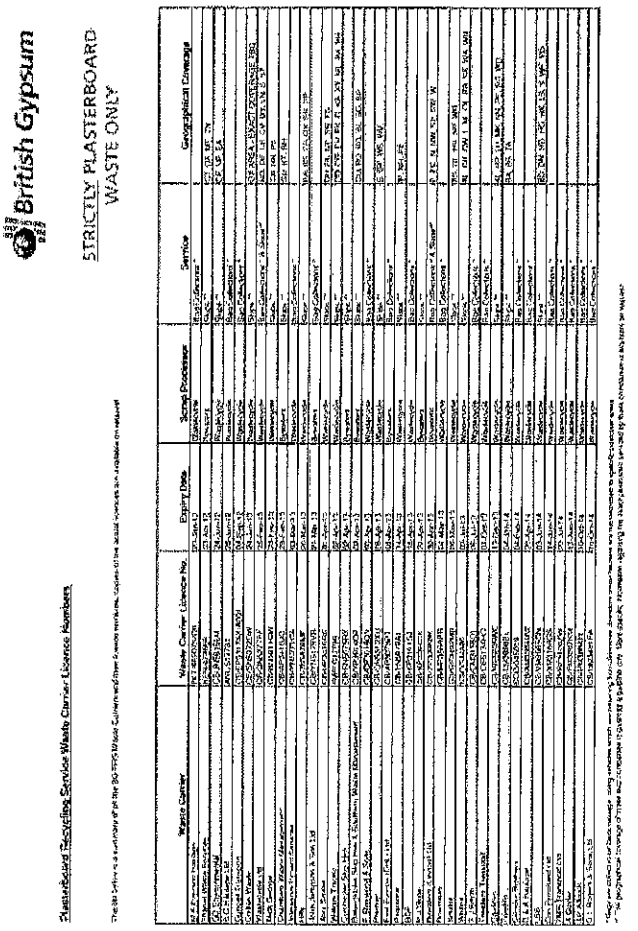
6.3 Appendices

Reconomy

Carriers for British Gypsum - Plasterboard removal

Plasterboard Recycling Service Waste Carrier Licence Numbers



Version provided on 10 January 2012

Additional documentation

Attach any additional documentation relating to the Plan in here.

Change log

Date	Section	Description	User
24/10/12	Waste created	Refreshed ORB progress data.	Michael Wright (Reconomy)
24/10/12	Build Phase details	Refreshed list of Reconomy contractors.	Michael Wright (Reconomy)
24/10/12	Waste created	Refreshed ORB progress data.	Michael Wright (Reconomy)
24/10/12	Groundworks Phase details	Refreshed list of Reconomy contractors.	Michael Wright (Reconomy)
24/10/12	Build Phase details	Refreshed list of Reconomy contractors.	Michael Wright (Reconomy)
24/10/12	Waste Management Matrix	Refreshed list of Reconomy contractors.	Michael Wright (Reconomy)
24/10/12	Groundworks Phase details	Refreshed list of Reconomy contractors.	Michael Wright (Reconomy)
24/10/12	Build Phase details	Set waste metric to Tonnes	Michael Wright (Reconomy)
24/10/12	Build Phase details	Set phase description	Michael Wright (Reconomy)
24/10/12	Build Phase details	Set persons in charge	Michael Wright (Reconomy)
24/10/12	Build Phase details	Set contract numbers	Michael Wright (Reconomy)
24/10/12	Build Phase details	Checked for latest records of Reconomy contractors	Michael Wright (Reconomy)
24/10/12	Build Phase details	Set waste metric to Tonnes	Michael Wright (Reconomy)
24/10/12	Build Phase details	Set phase description	Michael Wright (Reconomy)
24/10/12	Waste Diverted From Landfill	Unchecked: Other	Michael Wright (Reconomy)
24/10/12	Waste Diverted From Landfill	Checked as 'yes': Inert waste (e.g. bricks, blocks, concrete): All inert waste will be segregated on site and used under roads, drives etc as appropriate.	Michael Wright (Reconomy)
24/10/12	Waste Diverted From Landfill	Checked as 'yes': Metal: All metal is to be segregated on site and sent for recycling (see waste management matrix for details).	Michael Wright (Reconomy)
24/10/12	Waste Diverted From Landfill	Checked as 'yes': Timber: All timber is to be segregated on site and sent to a local charity/similar for recycling (details provided in the Waste Management Matrix).	Michael Wright (Reconomy)
24/10/12	Waste Diverted From Landfill	Checked as 'yes': Soils: The site has been designed to retain as much soil on site as possible whilst maintaining protection of human health and the environment	Michael Wright (Reconomy)
24/10/12	Waste Diverted From Landfill	Checked as 'yes': Plasterboard: All plasterboard waste will be segregated on site and returned for recycling. (e.g. British Gypsum)	Michael Wright (Reconomy)
24/10/12	Waste Minimisation Statements	Unchecked: Other :	Michael Wright (Reconomy)
24/10/12	Waste Minimisation Statements	Checked as 'yes': Consideration of build dimensions to reduce waste e.g. cut bricks, etc.	Michael Wright (Reconomy)
24/10/12	Waste Minimisation Statements	Checked as 'yes': Mass balance exercise has been undertaken to retain as much material on site as possible, therefore minimising waste to landfill	Michael Wright (Reconomy)
24/10/12	Waste Minimisation Statements	Checked as 'yes': Site layout / programme review in order to maximise the reuse of site won materials.	Michael Wright (Reconomy)
24/10/12	Waste Minimisation Statements	Checked as 'yes': Materials specifications have been reviewed to reduce wastage.	Michael Wright (Reconomy)
24/10/12	Waste Minimisation Statements	Checked as 'yes': Review of materials schedule to ensure reduced over ordering of materials and have introduction of 'just in time' deliveries when appropriate.	Michael Wright (Reconomy)

Date	Section	Description	User
24/10/12	Waste Minimisation Statements	Unchecked: Other :	Michael Wright (Reconomy)
24/10/12	Waste Minimisation Statements	Checked as 'yes': The return of unused or damaged goods	Michael Wright (Reconomy)
24/10/12	Waste Minimisation Statements	Checked as 'yes': The removal of all off cuts by our carpet fitters	Michael Wright (Reconomy)
24/10/12	Waste Minimisation Statements	Checked as 'yes': The removal of packaging associated with white goods by our suppliers	Michael Wright (Reconomy)
24/10/12	Waste Minimisation Statements	Unchecked: Other :	Michael Wright (Reconomy)
24/10/12	Waste Minimisation Statements	Unchecked: Other :	Michael Wright (Reconomy)
24/10/12	Roles and Responsibilities	Unchecked: Forklift Truck Driver and/or Material Controllers Name	Michael Wright (Reconomy)
24/10/12	Roles and Responsibilities	Unchecked: Principle Contractor Representative/s Name/s	Michael Wright (Reconomy)
24/10/12	Roles and Responsibilities	Checked as 'yes': Site Waste Management Plan discussed as part of induction process with all trades	Michael Wright (Reconomy)
24/10/12	Roles and Responsibilities	Checked as 'yes': Tool Box Talks completed discussing Site Waste Management Plan and Waste Management on site	Michael Wright (Reconomy)
24/10/12	Roles and Responsibilities	Checked as 'yes': All Waste Management Issues to be highlighted with Reconomy as part of Site Waste Management Plan review process	Michael Wright (Reconomy)
24/10/12	Roles and Responsibilities	Checked as 'yes': All afore mentioned members of site team to be present and take part in Site Waste Management Plan review meetings. Any amendments to the plan to be discussed.	Michael Wright (Reconomy)
24/10/12	Roles and Responsibilities	Unchecked: Site Manager Name	Michael Wright (Reconomy)

Appendix 5
Noise & Dust

C05 DUST
COSHH ASSESSMENT AND KEY CONTROL MEASURES

«Fldmrgcompanyname»

SITE NAME: «Fldmrgsitename»

General Multi-Origin Site Dust

Risk Rating M

Normal Use	Key Risks	Control Measures	Emergency Procedures	Storage/Disposal
• N/A.	• Hazardous if significant quantities inhaled. • Risk of irritation if it enters the eye.	• Use water spray to damp down dust if possible. • Eye protection and respirators must be worn **where airborne dust is present** in quantity. Disposable respirators should be at least FFP2 grade, if limited dust or exposure, otherwise FFP3 grade, and subjected to a pre-use check on its condition and face-fit test.	• Eye: wash thoroughly with water for 15 minutes.	• Dispose of as **inert waste** in skips provided unless considered to be contaminated (e.g. mixed with oil). Contact the Environmental Advice Line if unsure (0845 003 8752).

Concrete Dust

Risk Rating L

Normal Use	Key Risks	Control Measures	Emergency Procedures	Storage/Disposal
• Dust from cutting Kerbs, paving and blockwork	• Hazardous if inhaled or ingested. • Risk of irritation to skin and eyes from both wet and dry materials. • May contain quartz and /or silica	• When using power tools/cutting discs, dust suppression measures to be used e.g. connecting to water suppression systems. Eye protection, respirators and ear protection must also be worn. Disposable respirators should be at least FFP2 grade (FFP3 if silica known or suspected to be present) and subjected to a pre-use check on its condition and face-fit test.	• Inhalation, remove to fresh air. • Ingestion: Do not induce vomiting. Give plenty of water. • Eye: wash thoroughly with water for 15 minutes • Skin: Wash with soap/cleanser and rinse with plenty water.	• Dispose of as non-**hazardous waste.**

Plasterboard Dust

Risk Rating L

Normal Use	Key Risks	Control Measures	Emergency Procedures	Storage/Disposal
• Lining to walls and ceiling, cut to size with handsaw or knife and fixed with adhesive, nails or screws.	• Irritant to respiratory tract. • Risk of irritation to skin and eyes from both wet and dry materials. • May contain small amounts of quartz and/or lime.	• Sanding should be kept to a minimum. • Make use of general ventilation e.g. ensure windows and doors are left open. • Eye protection and respirators must be worn **where airborne dust is present** in quantity. Disposable respirators should be at least FFP2 grade and subjected to a pre-use check on its condition and face-fit test.	• Ingestion: Do not induce vomiting. Give plenty of water in sips. • Eye: wash thoroughly with water for 15 minutes • Skin: Wash with soap/cleanser and rinse with plenty water.	• Store dry in original packaging. • Dispose of as non-**hazardous waste.**

Wood Dust

Risk Rating L

Normal Use	Key Risks	Control Measures	Emergency Procedures	Storage/Disposal
• Dust from sawing, planning and sanding wood on site.	• Hazardous if inhaled or ingested. • Risk of irritation if it enters the eye. • Some dust can be toxic due to naturally occurring organic chemicals.	• Make use of general ventilation i.e. ensure windows and doors are left open. • Eye protection and respirators must be worn **where airborne dust is present** in quantity. • When power equipment is used, e.g. chop saws, planers and sanders, etc. dust extraction or dust collection systems must be used. Eye protection and respirators must also be worn. Disposable respirators should be FFP2 or 3 grade and subjected to a pre-use check on its condition and face-fit test.	• Ingestion: Do not induce vomiting. Give plenty of water in sips. • Eye: wash thoroughly with water for 15 minutes • Fires: use water or dry powder extinguishers. • Skin: Wash with soap/cleanser and rinse with plenty water.	• Keep away from flame and heat. • Dispose of as **inert waste.**

Medium Density Fibreboard Dust

Risk Rating L

Normal Use	Key Risks	Control Measures	Emergency Procedures	Storage/Disposal
• Dust from sawing and sanding MDF on site.	• Hazardous if inhaled (can trigger an allergic reaction, can sensitise). • Risk of irritation if it enters the eye.	• Sanding should be kept to a minimum. • Make use of general ventilation i.e. ensure windows and doors are left open. • Eye protection and respirators must be worn **where airborne dust is present** in quantity. Disposable respirators should be at least FFP2 grade and subjected to a pre-use check on its condition and face-fit test. • When power tools are used, e.g. chop saws, planers and sanders, etc. dust extraction or dust collection systems must be used. Eye protection and respirators (FFP2 or FFP3) must also be worn. Disposable respirators should be FFP2 or FFP3 grade and subjected to a pre-use check on its condition and face-fit test.	• Ingestion: Do not induce vomiting. Give plenty of water in sips. • Eye: wash thoroughly with water for 15 minutes • Fires: use water or dry powder extinguishers.	• Dispose of as **non-hazardous waste.**

(If not adequate for activity – further control measures or project specific safety method statements required.)

Name: **Signature:**

Date:

It is the responsibility of all operatives to keep this risk assessment under review, reporting any problems to their supervisor.

OPERATIVES TOOL BOX TALK RECORD

Materials covered:

General Multi-Origin Site Dust	☐
Concrete Dust	☐
Plasterboard Dust	☐
Wood Dust	☐
MDF Dust	☐

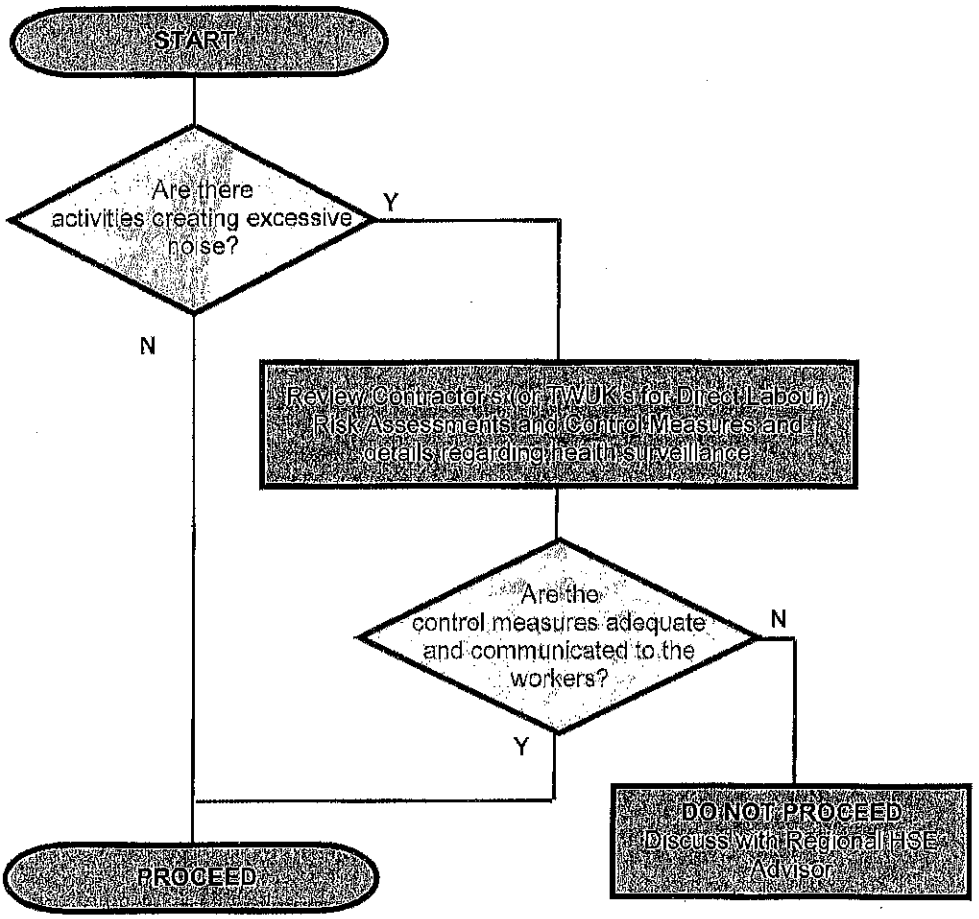
Attendees:	Signature:
Signed (Supervisor):	Date:

Attendees:	Signature:
Signed (Supervisor):	Date:

Attendees:	Signature:
Signed (Supervisor):	Date:

Attendees:	Signature:
Signed (Supervisor):	Date:

4.14 NOISE



Construction sites can be noisy environments and TWUK aim to eliminate or minimise noise levels wherever possible to ensure we are working responsibly within the community. Your **Site Specific Environmental Action Plan (SSEAP) (see section 4.21.1)** will detail any associated potential noise issues for your site, particular note will be made if you are working in close proximity to a residential or commercial area. Control measures will also be detailed here to ensure you can manage noise effectively on your site. Further details on noise as a 'Statutory nuisance' can be found in **Section 4.21 Site Environmental Issues and Controls**.

General areas to be aware include:

- Generators - Consider use of fully canopied and silenced generators; look for generators operating at less than 65 dB(A) at 7 metres. *(dB (A) or Decibels A-scale is the unit of measurement for industrial noise);*
- Use of screening between the source and a receiver of noise. A screen is most effective when placed near to either the source of the noise (e.g. generator / compressor) or the receptor but not halfway between the two;
- Do not leave plant / equipment running overnight (limit to site working hours), this is specifically the case if it can be heard at the site boundary;
- Ensure plant is regularly maintained;
- Always keep doors and hoods of vehicles and machinery closed; and
- Ensure that noisy equipment is not left running when not in use.

Note: Working hours are likely to have been restricted as a planning condition.

Noise Control Measures:

- Identify any general controls that can be introduced to reduce the noise to remove the need for operatives having to wear hearing protection.
- Observe if operatives are required to spend time in areas where the noise is at or over the 'lower exposure action value' of 80 dB (A-weighted) and if so, encourage the use of hearing protection. (See Listening Checks below).
- Observe if operatives are required to spend time in areas where the noise is at or over the 'upper exposure action value', of 85 dB (A-weighted) and if so, enforce the use of hearing protection.
- Some equipment like cartridge operated fixing tools create a very short burst of noise above the 'Peak lower exposure action value' of 135 dB (C-weighted) or 'upper exposure action value' of 137 dB (C-weighted) With such equipment enforce the use of hearing protection.

LISTENING CHECKS *

- Are employees exposed to noise which makes it necessary to shout to talk to someone **1 m away**, for more than about **half an hour per day** in total? ***The noise level here is probably 90 dB or more.***
- Are employees exposed to noise which makes it necessary to shout to talk to someone **2 m away**, for more than about **two hours per day** in total? ***The noise level here is probably 85 dB or more.***
- Is conversation at 2 m possible, but **noise is intrusive** - comparable to a busy street, a typical vacuum cleaner or a crowded restaurant - for more than about **six hours per day** in total? ***The noise level here is probably 80 dB or more***

* extracted from HSE Guidance "Controlling Noise at Work. The Control of Noise at Work Regulations 2005 L108 (Second Edition).

Contractors are responsible for considering the noise levels of equipment they bring on site, providing risk assessments where necessary and managing the control measures. The Site Manager should be notified when high noise levels affect other site personnel so that appropriate measures can be implemented. If you are concerned about the noise being generated by a contractor's equipment, check the control measures in the contractor's risk assessment and enforce them if necessary.

Typical Noise Levels in Construction

Activity		Likely Noise Exposure LEP,d	
		Average	Range
Site Manager (up to 50% day on site)		80	
Asphalt paving		85	
Blasting		100+	
Bricklayer		83	81-85
Carpenter		92	86-96
Concrete	chipping/drilling	85+	
	floor finishing	85	
	grinding	85+	
Concrete worker		89	
Crushing	mill worker	85+	
Driver	crawler tractor	85+	
	dumper	85+	
	excavator	85	
	grader	85+	
	loader	85	
	roller	85+	
	wheeled loader	89	
	wheeled tractor	85	
Engineer	supervising pour	96	
	surveying	80	
Foreman	supervising workers	80	
Formwork setter		92	89-93
Ganger	concrete pour	93	92-93
	general work	94	
Guniting		85+	
Labourer	concrete pour	97	95-98
	digging/scabbling	100	
	general work	84	
	shovelling hardcore	94	
	shuttering	91	
M&E installer	general	89	82-96
	small work	84	78-89
Piling operator		85+	
Piling worker		100+	
Reinforcement worker	building site	86	82-89
	bending yard	84	77-87
Sandblasting		85+	