1. Project information

SWMP Revision	**Rev**	**-**	**Date:**	**04.09.23**		
Revision Details	-					
Contract No	**NW164**					
Project title / reference	**Elizabeth Street**					
Project location	**Manchester M8 8BB**					
Project cost	**£ 11,000,000**					
Gross Internal Floor Area (m^2)	**8,227m2**					
Start date	Day	**30**	Month	**May**	Year	**2023**
Completion date	Day	**12**	Month	**July**	Year	**2024**
Project Type	**Elizabeth Street, Cheetham Hill, Manchester**					
Description of project scope	The project Comprises the construction of 4 no. Warehouse Buildings, That are subdivided into Units 1-9 as indicated on the development drawings. The units are open warehouse shell. Some with a mezzanine upper floor level, accessed by a stair core only and limited internal finishes as indicated on the drawings. The site is located at Elizabeth Street< Manchester M8 8BB					
Client	**Kier Trade City LLP**					
Principle Contractor	**Triton Construction Ltd**					
Triton Project Manager	**Simon Dewet**					
Author & Updating of SWMP	**Andy Gaskell**					
Waste Management Champion	**Simon Dewet**					
Person responsible for SWMP	**SD/AG**					
Location of SWMP on site	**Triton Site Office – Notice Board**					
Location of SWMP on Laptop	**n/a**					
Location of SWMP on server	**Triton 'S' Drive**					

Declaration statement:

We agree that 'Client' and 'Principal contractor' will take reasonable steps to ensure that:

a) **All waste from the site is dealt with in accordance with the waste duty of care in section 34 of the Environmental Protection Act 1990 and the Environmental Protection (Duty of Care) regulations 1991; and**
b) **Materials will be handled efficiently and waste managed appropriately.**

Principle Contractor	**Triton Construction**
Signature	
Print Name	**Simon Dewet**
Date	

On Behalf of the Client

Client	**Kier Trade City LLP**

Signature	
Print Name	
Date	

1.1. Responsibilities

The Site Project Manager is the environmental co-ordinator of the project and as such is responsible for instructing workers, overseeing and documenting results of the SWMP, along with distribution of this plan to the Client, Site Manager and each Subcontractor. This will be undertaken every time the Site Waste Management Plan is updated.

1.2. Procedures for Minimising Waste

Project waste minimisation statement	The goal of the Site Waste Management Plan is to help minimise waste wherever possible during the construction process. It is desired that through early consultation with all parties, Sub-Contractors, the Design Team and Suppliers, etc potential savings on waste production will be evaluated and suitable plans put in place to reduce the overall waste production on the project. The Site Waste Management Plan also creates a mechanism to monitor and review waste reduction over the entire length of the project, which in turn will help to provide further awareness and drive waste production down in the future.

Actions taken to reduce the amount of waste arising are recorded in the table below:

Planning waste minimisation during	**Waste minimisation decisions taken**	**Resource Saving** (quantify if possible)	**Responsibility**
Design			
	Wherever possible the construction will be designed to minimise material waste by eg: Utilise Standard sheet / block / unit modules and minimise off cuts		Design Team / Procurement
Construction			
Storage	Ensure material are stored safely and tidily, not over stacked, have adequate support and are protected from the weather and damage from site vehicles.		Site Team / Procurement
Masonry	Control masonry materials (storage / installation) on-site and ensure waste is at a minimum.	Blockwork waste less 10%	Design Team / Procurement
Sub - Contractors Materials	Liaise with sub-contractors regarding their waste management systems and monitor their performance.		Site Team / Procurement
Materials	Existing concrete/rubble to be recycled on site or taken away and recycled at a local plant		Site Team / Procurement
Other			

All of the above act to reduce the amount of waste and surplus materials, which traditionally would be skipped and sent to landfill. We are continually identifying waste minimisation actions and these will be updated in the above table.

1.3. Waste Management

1.3.1. Introduction

Waste materials on this site will arise from either the materials brought into the site or from those generated on site. Generated materials are those, which exist on the project such as topsoil, sub-soil, trees and materials from demolition works etc.
However, there are other considerations to waste management such as waste reduction, on or off site segregation of waste, disposal of waste, financial impacts of waste disposal and recording, monitoring, education and reviewing. This plan outlines the procedures that have been put in to place, demonstrates how they benefit the environment, explains how we can measure the effects and identifies how these procedures and practices are sustainable.

1.3.2. Segregation

Due to the nature of the site, off-segregation by a waste management company will take place for most waste streams. Other specific high quantity wastes will be segregated to improve the management and cost of disposal. These streams are specified below.

A site diagram detailing specific areas for waste disposal skips, set aside generated waste for re-use and a dedicated area for segregated waste as these are produced. The site waste champion is charged with ensuring that wastes generated are monitored.

Waste Streams that are to be segregated are:

- Wood
- Metal
- Brick rubble
- Packaging
- Plaster products

1.3.3. Target Benchmark for Generated Waste:

See Completed the end of this document for Target Waste Levels & Actual Waste records.

If the Project is assessed under Breeam, target levels are set as the table below:

Is the Project Assessed under Breeam: Yes *(Edit the Assessment year & Target Credits below)*

Where **non-hazardous construction waste** generated by the building's construction phase **(excluding demolition and excavation waste)** meets or exceeds the following resource efficiency benchmarks:

Amount of waste generated per 100m2 (Gross Internal Floor Area)								
Breeam Credits	**m3**	**tonnes**		**Insert GIA Floor Area m2 of Project**		**Max m3 Allowed**		**Max tonnes Allowed**
1 (2018)	<13.3	<11.1			m2	**0**		**0**
1 (2014)	<13.3	<11.1			m2	**0**		**0**
2 (2018)	<7.5	<6.5			m2	**0**		**0**
2 (2014)	<7.5	<6.5			m2	**0**		**0**
3 (2018)	<3.4	<3.2		8,227	m2	**297.72**		**263.264**
3 (2014)	<3.4	<3.2			m2	**0**		**0**

Note: To amend the Floor area, Double Click on the table above to open the embedded Excel Sheet

1.3.4. Waste Minimisation: Forecasting and planning the reduction, reuse and recycling of waste

Demolition and Construction.

- *As a minimum this information should be split into inert, hazardous and non-hazardous waste (to comply with the SWMP Regulations)*
- *For BREEAM, waste must be sorted into at least 5 categories and reuse/recycled as appropriate*
- *For SMARTStart waste needs to be recorded in the following categories Bricks, Tiles and Ceramics Concrete, Inert, Insulation, Metals, Packaging, Gypsum, Binders, Plastics, Timber, Floor coverings (soft), Electrical and electronic equipment, Furniture, Canteen/office/adhoc, Liquids, Oils, Soils, Asphalt and tar, Hazardous & Other.*

Waste Management options

Waste Type	Waste Materials	Applicable Yes or N/A	Sub- Contract Package	Waste Minimisation Opportunities	On Site Reuse/Recycling	Off Site Reuse/Recycling	Recovery	Disposal
Inert	**Concrete**		Demolition, piling, ground works, floors, floor beams	Prefabrication off site	Concrete crusher for reuse on site Excess material can be dried and reused on site as backfill	Segregate for reprocessing and reuse as recycled aggregate		To be recycled
	Rubble (hard core)		Demolition, brick and block work	Off site fabrication of brick panels. Steel frame for structural elements allowing for MMC infill	Use as hardcore on site	Segregate for reprocessing and reuse as recycled aggregate		To be recycled
Non-hazardous	**Soils/ Green waste/ vegetation**		Piling, ground work, earth works, landscaping	Store on site, excavate and re-plant larger specimens (trees)	Reuse in landscaping use as backfill, or for bund formation, chip green waste on site for landscaping			To be recycled
	Mixed waste		Various	Segregation – on or off site				To be recycled
	Metal		Steel frame, temporary works, decking, roofing	Pre-fabrication, correct ordering, just in time delivery, store correctly, On site sheet fabrication		Segregate waste and send to metal recycler consider selling to metal yard		To be recycled
	Timber		ground works, Carpentry / Joinery	Use preformed reusable shuttering, Off site fabrication of stud walls etc		Send to waste management company for chipping.		To be recycled
	Waste Materials		**Sub- Contract Package**	**Waste Minimisation Opportunities**	**On Site Reuse/Recycling**	**Off Site Reuse/Recycling**	**Recovery**	**Disposal**
	Plasterboard		Demolition / Dry lining	Have sheets fabricated to storey height. design to standard sizes		Consider sending to Gypsum waste recycler		To be recycled
	Packaging		Various	Procurement department to buy – in with reduced packaging where possible		Segregate packaging waste types for recycling plant		To be recycled
	Cable & wiring		Electrical			Contract to segregate wire waste for cable stripping		To be recycled
	Office/canteen			Print double sided, send documents electronically	Reuse paper, cartridges, plastic cups, tins and cardboard.	Segregate and recycle white paper.		To be recycled

	Glass			N/A				
	Insulation		Insulation contractor, roofing contractor	Correct ordering, just in time delivery, store correctly		Segregate and recycle Insulation as applicable		To be recycled
Hazardous	**Asbestos**			N/A	N/A	N/A		
	Contaminated land		Earth works, ground works	Contain in situ	Remediate on site and reuse material	Remediate off site		Landfill
	Paint tins, line markers, mastic		All trades	Use solvent free paints that are not disposed off as hazardous waste, maximise use of mechanical fitting rather than adhesives	Use a lockable COSHH container for storage		Energy from waste incineration	Landfill
	Other							Landfill

1.3.5. Waste Controls and Handling: Responsibility for waste management

Site Activity / Sub-contractor Work Package	Primary Waste Streams	Who is responsible for waste management
Site Clearance	Hardcore, Rubble, Concrete, Plastics	**Triton Construction Ltd**
Ground works	Spoil, concrete	**Ground Worker:**
Foundation, Piling	Spoil	**Ground Worker: Ashcroft / BBGE**
Structure	Masonry / Steel Frame	**Brick layer/Steel Fabricator / Triton Construction Ltd**
Dry liners	Plasterboard, Metal Studwork & Insulation Offcuts	**Plasterer**
Brick & Blockwork	Bricks/ blocks	**Brickwork Contractor / Triton Construction Ltd**
Finishing items	Packaging	**Triton Construction Ltd**
Mechanical Electrical	Cables, Metals, Timber, Timber Cable Drums, Plastic, Cardboard, Plastic Packaging, Hazardous Waste	**M&E Contractor / Triton Construction Ltd**
Carpentry	Timber, Paint, Renders, Cardboard, Plastic Packaging	**Joinery Package / Triton Constrcution Ltd**
Decorators	Paint, Filler, Hazardous waste, Mastics	**Decorator / Triton Construction Ltd**
Office Activities	Paper, Cardboard, Plastic Packaging, General Office Waste	**Triton Construction Ltd**

1.3.6. Site Security

Both Triton Construction Ltd and The Client must take reasonable steps to ensure site security measures are in place to prevent the illegal disposal of waste at the site.

2. IMPLEMENTATION OF THE SWMP

2.1. Duty of Care: Register of Waste Carrier Licences and Permits

It is mandatory to include Duty of Care in your SWMP. The client and principle contractor must take reasonable steps to ensure waste duty of care and materials are handled efficiently, and waste is managed appropriately:

Waste Management Company:	Origin *(Who produces the waste?)*	Waste Carrier			Disposal Site	
		Carrier Address	Licence Number	Expiry Date	Name	Licence Number / Exemption Ref.
Kenny Waste	**Triton Construction Ltd**	KENNY WASTE MANAGEMENT LTD LESTER ROAD LITTLE HULTON MANCHESTER M38 0PT	CBDU76122	12 January 2025	Kenny Waste Management Ltd - Groby Road, Audenshaw 4 Groby Road North Audenshaw Manchester M34 5HT	EPR/HB320GK

Have you registered with the Environment Agency as a hazardous waste producer? Yes ☐ No ☒

If yes, please provide your hazardous waste registration number

2.2. Training & Communication

Triton Construction Ltd will provide on-site instruction of appropriate separation, recycling, reuse and return methods to be used by all parties' at all appropriate stages of the Project.
Toolbox talks will be carried out at regular intervals on waste issues and a representative of all onsite subcontractors will be expected to attend.
The SWMP will also be mentioned in the site induction process. An open door policy on the management of waste is to be maintained. This will ensure that everyone feels they are included and that their participation is meaningful.

2.2.1: Training

Everyone on site should receive relevant training which should include:

- The SWMP
- Roles and responsibilities
- Waste procedures on site including spill procedures. (Refer to the box below to comply with the Spill Drill Req).
- Hazardous waste
- Duty of care / responsibilities
- Materials storage
- Roles and responsibilities

Spill Drill Requirements:

Ensure that a Spill Drill has been completed within the first 4 weeks of the site commencing and record the details below:

- Commencement Date:
- Date of Spill Drill:
- Completed By:

(Attendees of the Spill Drill are to be recorded on a TBT Signature Sheet and appended to this document)

What forms of training are you using on site? ***(please tick all that apply)***

X	Induction
X	Tool box talks
X	Work shops
X	Other (please state) Discussed as Part of Site Induction to all trades

Do you have a training log? Yes [X] No [ ] **If no, please use the attached table to create a training log**

If yes where is it kept?

2.2.2: Communication

How are you communicating the SWMP on site? ***(Please tick all that apply)***

	Meetings – see 4 weekly safety meeting minutes
	Posters
	Feedback from staff
X	Other (Please state) Inductions

2.2.3: Training log: Refer to Site Induction records, Or Tool Box talk register.

Name	Company	Date	Trained By	Training Type	Next Training

2.3. Monitoring

Refer to Separate Site Waste Register form – Kenny Waste

- This register records the quantity and waste types removed from site
- The Waste Carrier and Waste Transfer Note References
- **Diversion from Landfill:** Information received from the Waste Disposal Company to identify the % of waste sent to landfill and how much was recycled.

Where appropriate segregated skips will need to be monitored to ensure that contamination of the waste stream does not occur.

We will continually review the type of surplus materials being produced and change the site set up to maximise reuse or recycling. The use of landfill will be the last option.

2.4. Waste Records

* Evidence of waste carrier registration and waste transfer or hazardous waste consignment notes for each removal of waste should be provided either as part of the plan, or filed and cross-referenced.

2.5. SMWP Implementation Checklist

Checks (please tick)	Yes	No
Have terms and commercial rates been agreed with the waste management contractor(s)?	x	
Have data reporting procedures been agreed with waste management contractor(s)?	x	
For off site waste management or disposal are all the waste destination details verified?	x	
Has a waste segregation / collection area been prepared?	x	
Has the waste management area been adequately sign posted?	x	
Has the waste management document control / filing system been set up?	x	
Have all necessary staff and contractors read and signed the SWMP?	x	
Have all the SWMP training / briefing requirements for staff been met?	x	
Have all the SWMP training / briefing requirements for contractor/s been met?	x	
Have the waste management targets been set?	x	
Has the SWMP been approved by the Project Manager?	x	

Comments / Further Actions:
1.
2.
3.

2.6. Updating the SWMP

The plan will be updated at least every 6 months. Revisions are recorded in the table below.

Nature of revision	Date of revision	Author of revision

3. REVIEW OF SWMP

3.1. Post-construction confirmation

This plan has been monitored on a regular basis to ensure that work is progressing according to the plan and has been updated to record details of the actual waste management actions and waste transfers that have taken place.	
Signatures (Client & Principal Contractor)	

3.2. Estimated versus actual waste management routes: Refer to Separate form (See Kenny Waste Record Sheets)

3.3. Deviations

Issue	Details
Eg: Waste forecasts – exceeded ?	
Other	

3.4. Estimate of cost savings

An estimate of the cost savings that have been achieved by completing and implementing the SWMP.

3.6 Minutes from Review meeting

Append if necessary

3.7 Summary of Results:

Estimated Waste v Actual Waste Produced (See Kenny Waste Record Sheets)

Credits Targeted: **2**
Gross Int Floor Area: 8,227**m2**
Max t of Waste Limit: **263.264t or (1.22 t /100m2 GIFA)**
Actual Waste Produced: tbc **t or (tbc t / 100m2 GIFA) (tbc)**

Diversion from Landfill (See Kenny Waste Record Sheets)
Credits Targeted: **1**
Total t Waste off Site: tbc
Waste Recycled: tbc **(tbc%)**
Waste to Landfill: tbc **(tbc%)**