Revision 0
05 February 2024

CEMP - Biodiversity

Proposed 60 Bed Care Home

21 Thomas Street. Lindley, Huddersfield, HD3 3JJ

Exceptional People Delivering Success

Torsion Projects Limited registered office 1280 Century Way, Thorpe Park, Leeds LS15 8ZB
Registered in England no. 12092020.

Contents

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1.0 Project Directory

Company	Name	Role	Responsibility	Contact Details
Torsion Projects	Nigel Hatton	Senior Project Manager	Visting Manager	Nigelhatton@torsion.co.uk
Torsion Projects	Gareth Hicks	Project Manager	To oversee all construction works	GarethHicks@torsionprojects.co.uk
Futures Ecology		Ecological Clerk of Works	To provide advice, monitor progress and helped to ensure that development is delivered in-line with the assessed ecological impacts report.	
E3P		Arboriculturist	To assess the impact of the proposed development on the existing tree stock and outline mitigation actions where appropriate to minimise any potential damage to retained trees. To also provide guidance on works near the RPA.	

2.0 Induction

This CEMP considers the construction activities which could pose a risk to the surrounding environment at the proposed 60 bed care home development at 21 Thomas Street, Lindley, Huddersfield. Throughout this document we will illustrate the mitigation measures which will be deployed to ensure that there is minimal disruption to the local environment.

The Construction Environmental Management Plan has been written in conjunction with Planning Condition 5 for the site contained within the Planning Permission for the site (Ref: 2023/62/91408/W, dated 18th Dec 2023) issued by Kirklees Council.

Condition 5 states:

"Prior to the commencement of development, a Construction Environmental Management Plan (CEMP) shall be submitted to and agreed in writing with the Local Planning Authority. The plan shall describe in detail the actions that will be taken to minimise adverse impacts on occupiers of nearby properties by effectively controlling:

- *Noise and vibration arising from all construction related activities (this shall also include suitable restrictions on the hours of working on the site including times of deliveries);*
- *Dust arising from all construction related activities, which should include measures to monitor and record the emissions of dust during construction.*
- *Artificial lighting used in connection with all construction related activities and security of the construction site; and*
- *A communications plan detailing the responsible person, their contact details and how this will be communicated to local residents and the Local Planning Authority must be included.*

The approved CEMP shall be adhered to throughout the construction of the development.
Reason: To safeguard the amenities of the occupiers of nearby properties in accordance with the aims of Part 15 of the National Planning Policy Framework and Policy LP52 of the Kirklees Local Plan.
This pre-commencement condition is necessary to ensure appropriate measures to protect amenity are undertaken during the construction period."

3.0 Site Description

3.1 Existing Site

The proposal site is located 2.4 miles to the north west of the large market town of Huddersfield, in the Kirklees district in West Yorkshire. Located on to the south of West Street, the site sits between Thomas Street, Brian Street and Thorncliffe Street. The plot that occupies approximately 2,500m² (0.25 hectares).

The site is surrounded by a mix of residential and commercial development. The architectural style of these buildings are typically traditional which reflects the history of the local area.

The site is currently a vacant site with no existing buildings or access roads.

3.2 Proposed Development

The project comprises the design and construction of a new 60 bed care home including, external works, service access, staff and visitor car parking, foul and stormwater drainage, soft and hard landscaping works and all incoming utility installations.

4.0 Risk Assessment of Potentially Damaging Construction Activities

4.1 Environmental Risk Assessment

This procedure describes the process for the identification of potential significant environmental aspects applicable to Torsion and the assessment methodology for projects and offices for which the Company has control.

Office / Site:	**60 Bed Care Home – Huddersfield**	**Prepared by:**	**Gareth Hicks**	**Date**	**09/05/2023**
Assisted by:					
		Reviewed by:		**Date**	
NOTES					

In the table below, under Environmental Impacts, assess levels of impact significance for each Development Activity and Aspect, as L, M or H, in accordance with following risk matrix. Mitigation measures are required where significance of impact is assessed as M or H.

Likelihood of Activity resulting in impact.	Severity of Subsequent Impact		
	Low (L)	Moderate (M)	High (H)
Negligible	L	L	M
Unlikely	L	M	M
Likely	L	M	H
Certain	M	H	H

Definitions:

Revision 0
05 February 2024

Activity: generic definition relating to works being completed and medium that may be impacted

Aspect: element of an activity that can interact with the environment

Impact: any change to the environment, whether adverse or beneficial, wholly or partially resulting from an aspect

Likelihood: the chance or probability of an event occurring. Negligible – rare, occurs less than 0.1% of the time/case through to certain – almost inevitable, 99.9% chance of occurrence

Severity: the impact that an event might have on the environment. Low – minor in inconsequential impact with no or short-term duration through to High - major impact or destruction to the environment with potential long-term consequence.

Significance: the product of likelihood and severity according to the above table.

Activity	Aspect	Impact	Impact Significance			Control and Mitigation	Residual Impact Significance
			Likelihood	Severity	Resulting Significance		
			1 - Negligible **2** - Unlikely **3** - Likely **4** - Certain	**1** - Low **2** - Moderate **3** - High	**1** - Low **2** - Medium **3** - High		
Works associated with office operations	Operation of air-conditioning and refrigerant units containing ozone depleting substances	Escape of gases and impact associated with ozone layer and climate change.	N/A	N/A	**N/A**	N/A	N/A
Works affecting **Water** resources	Abstraction of surface or groundwater	Deterioration in water resource quantity and quality	1	1	**1**		**L**
	Dewatering of surface or groundwater	Deterioration in water resource quantity and quality	1	1	**1**		**L**

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Works affecting **Water** resources	Discharge of effluent	Deterioration in water resource quality	N/A	N/A	**N/A**	N/A	N/A
	Discharge of site drainage	Deterioration in water resource quality	4	1	2	Connection into existing combined sewer	L
	Discharge of foul drainage	Deterioration in water resource quality	4	1	2	Connection into existing combined sewer	L
	Physical (temp and perm) works to watercourses and Rivers	Deterioration in water resource quality	N/A	N/A	N/A	N/A	N/A
	Physical (temp and perm) works to watercourses and Rivers	Change in flow regime	N/A	N/A	N/A	N/A	N/A
Works affecting **Water** resources	Physical (temp and perm) works to watercourses and Rivers	Loss of Biodiversity	N/A	N/A	N/A	N/A	N/A
	Physical (temp and perm) works to flood defence works	Deterioration in water resource quantity and quality	N/A	N/A	N/A	N/A	N/A

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	Spillages of hazardous substances	Deterioration in water resource quantity and quality	2	2	2	Bunded storage for hazardous substances, Spill kit readily available, COSHH procedures to be followed.	L
	Use and Storage of Construction Hazardous substances including Oils / Diesels and Petroleum	Deterioration in water resource quality	2	2	2	Bunded storage for hazardous substances, Spill kit readily available, COSHH procedures to be followed.	L
	Use and Storage of Process Commissioning Hazardous substances	Deterioration in water resource quality	2	2	2	Bunded storage for hazardous substances, Spill kit readily available, COSHH procedures to be followed.	L
	Concrete Washout	Deterioration in water resource quality	3	2	2	Concrete wash out to be contained within a lined skip.	L
	Use of potable water	Deterioration in water resource quality	4	1	2	Temporary builders connection to be made in to local water main	L

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Works affecting **Ecological Habitat** and **Species**	Works affecting Ecological Important Habitat	Loss of biodiversity					
	Works removing Ecological Important Habitat	Loss of biodiversity	1	1	1	Works to be carried in accordance with the Arboricultural method statement, tree protection plan and the Ecological Impact Assessment.	L
	Works affecting ecological protected species	Loss of biodiversity	1	1	1	Works to be carried in accordance with the Arboricultural method statement, tree protection plan and the Ecological Impact Assessment.	L
	Works removing ecological protected species	Loss of biodiversity	1	1	1	Works to be carried in accordance with the Arboricultural method statement, tree protection plan and the Ecological Impact Assessment.	L

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	Works affecting invasive plants	Land contamination by non-native species	1	1	1	Works to be carried in accordance with the Arboricultural method statement, tree protection plan and the Ecological Impact Assessment.	L
	Works removing invasive plants	Land contamination by non-native species	1	1	1	Works to be carried in accordance with the Arboricultural method statement, tree protection plan and the Ecological Impact Assessment.	L
Works affecting **historic** (e.g., listed) or **archaeological** important sites and structures	Direct impact	Loss of historic/archaeological value	N/A	N/A	N/A	N/A	N/A
	Near area	Loss of historic / archaeological value Subsidence vibration	N/A	N/A	N/A	N/A	N/A
	Adjacent to area	Encroachment	N/A	N/A	N/A	N/A	N/A

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Working on and disturbance of **contaminated land**	Physical disturbance	Potential spread of contaminated land and pollution	4	1	2	Works to be carried out in accordance with Phase 3 Remediation Stategy	L
	Disposal	Potential spread of contaminated land and pollution	4	1	2	Works to be carried out in accordance with Phase 3 Remediation Strategy. All materials removed from site with be taking to a licenced tipping facility for disposal	L
General construction activities that may lead to **Nuisance** General construction activities that may lead to **Nuisance**	Mud on road	Nuisance to local population	3	1	1	Works to be carried in accordance with Torsion CMP. Any vehicles leaving site will be checked for debris prior to leaving site – wheel washing via jet wash will be deployed. Road Sweeper will be deployed when nessessary	L

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	Atmospheric emissions	Nuisance to local population	2	1	1	Monitor, engines to be switched off when not in use	L
	Construction dust	Nuisance to local population	3	2	2	Works to be carried out in accordance with the sites Construction Dust Management Plan.	L
	Batching dust and silo emissions	Nuisance to local population	3	2	2	Works to be carried out in accordance with the sites Construction Dust Management Plan.	L
	Process atmospheric emissions	Nuisance to local population	N/A	N/A	N/A	N/A	N/A
	Noise emissions	Nuisance to local population	3	1	1	Monitor and work within planning working hours.	L
	Light emissions	Nuisance to local population	N/A	N/A	N/A	N/A	N/A
	Vibration	Nuisance to local population	3	1	1	Monitor and work within planning restricted working hours.	L

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	Odour emissions	Nuisance to local population	N/A	N/A	N/A	N/A	N/A
	Road congestion	Nuisance to local population	2	1	1	Works to be carried in accordance with CMP, deliveries to pull on to site to be off loaded. Contractor parking will be on site.	L
	Other public rights of way	Loss of amenity value Disruption	N/A	N/A	N/A	N/A	N/A
	Public amenity	Loss of amenity value	N/A	N/A	N/A	N/A	N/A
	Unsociable working hours	Nuisance to local population	2	1	1	Maintain working hours as per planning restrictions	L
Works requiring the consumption	Energy consumption/carbon management – **Construction works**	Direct: cost Indirect: atmospheric emissions Resource depletion	4	1	2	Connection to mains water and electric to be made as soon as feasibility possible.	L

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of **Energy** and/or fossil fuels	Energy consumption/carbon management – **Site accommodation**	Direct: cost Indirect: atmospheric emissions Resource depletion	4	1	2	Eco Cabins to be used on site	L
	Energy consumption/carbon management – **Transport and logistics**	Direct: cost Indirect: atmospheric emissions Resource depletion	4	2	3	Local suppliers and sub-contractors used	L
	Energy consumption/carbon management – **Material selection (embodied energy)**	Direct: cost Indirect: atmospheric emissions Resource depletion	4	2	3	Selective procurement, local suppliers	L
	Energy consumption / carbon management – **Generation of on-site power**	Direct: cost Indirect: atmospheric emissions Resource depletion	3	2	2	On site for a short period until temporary power supply connected	L

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	Delivery and handling (transfer) of fuels (liquid or gas)	Direct pollution through spills, etc. Waste of resource and cost	4	2	3	Dedicated re-fuelling area on site equipment with bunded fuel tanks and readily available spill kit	L
Works leading to the generation of **Waste**	Material storage and damage	Direct: cost Indirect: reduced sustainability	2	1	1	Segregated delivery area provided away from working area	L
	Creation of litter	Nuisance	2	1	1	Bins and skips provided across the site	L
Works leading to the generation of **Waste**	Waste disposal (duty of care) Construction waste Sewage M&E decommissioning waste, etc.	Contamination Nuisance Pollution Legal compliance	4	2	3	Works in accordance with the sites Waste Management Plan, Waste management company in use. (Smart Waste)	L
	Surplus excavation / aggregate disposal	Increased cost Reduced sustainability	2	1	1	Waste management company, groundworker to produce report.	L

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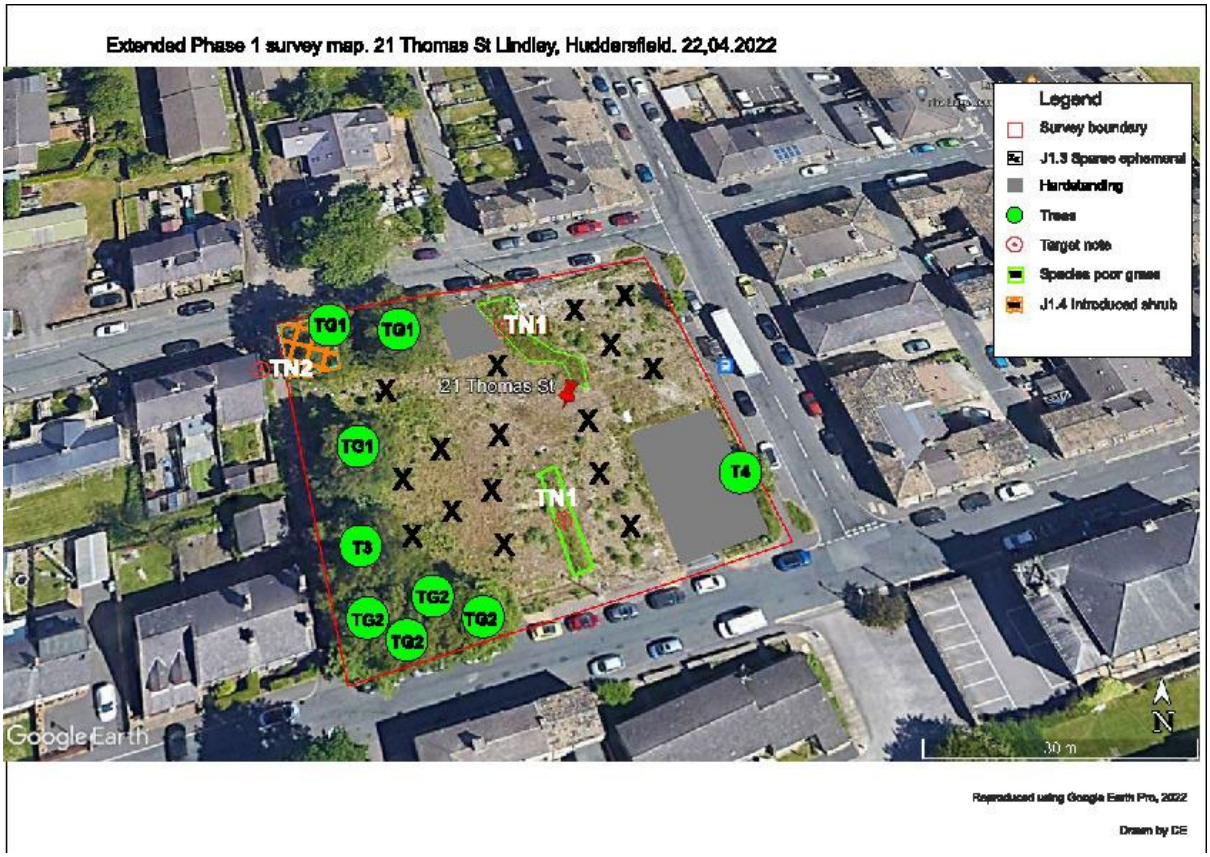
	Packaging waste	Increased cost of disposal Depletion of resources	4	2	3	Recycling skips on site. Waste segregation	L
Works in sensitive location or where abnormal operating conditions arise e.g. **Emergency response**	Abnormal operating conditions e.g. pumping, filtration, water treatment, etc.	Pollution of environment Legal sanction	N/A	N/A	N/A	N/A	N/A
	Unplanned event (Incidents e.g. spill, fire, etc.)	Pollution of environment Legal sanction	2	3	2	Emergency plans developed prior to commencing works on the project	L

5.0 Identification of “Biodiversity Protection Zones”

5.1 Existing Site Survey



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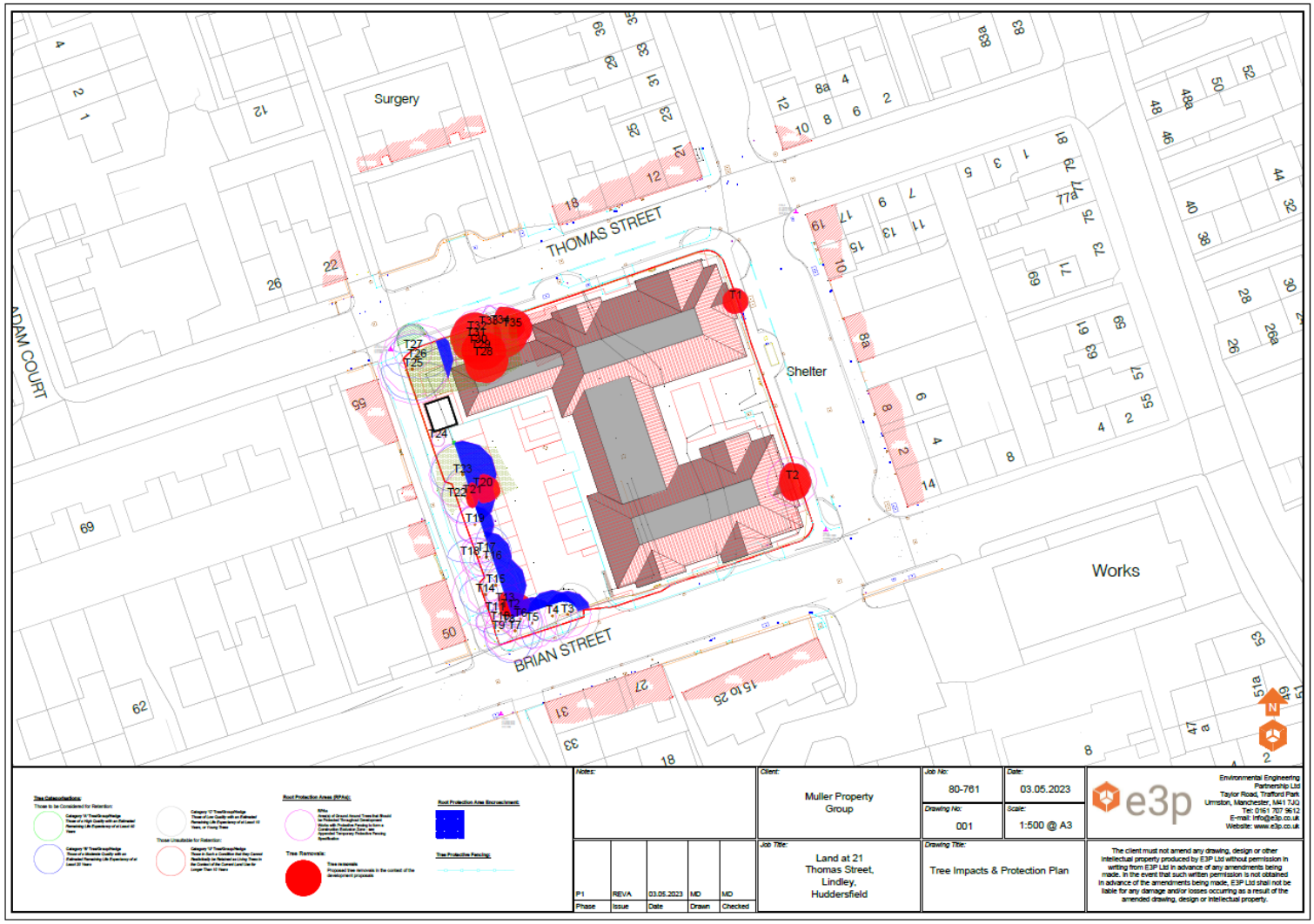
5.2 Tree Protection Zone



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Revision 0
05 February 2024

We will install a protective heras fence around the inter RPA line as per the below image. This will be erected prior to any works commencing on site and remain in place and maintained until the project is complete.

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6.0 Practical Measures to avoid or reduce impacts during construction

In order to protect habitats of ecological value present and ensure that the proposed construction does not affect existing ecological features of the site, the following will be implemented:

- Works to be carried out in accordance with Futures Ecology Ecological Impact Assessment, Feb 2024
- Use of temporary protective demarcation fencing to protect retained areas/features including existing and retained trees. The fencing must be in accordance with BS5837:2012 'Trees in Relation to Design, Demolition and Construction', extend outside the canopy of the retained trees, and remain in position until construction is complete.
- Use of directional lighting during construction, which will not shine upon the site boundaries and any neighbouring properties.
- Vegetation clearance outside the nesting season, March to July (or following checks for active nests by an ecologist).
- Works to be carried out in accordance with E3P Arboricultural Impact Assessment and Method Statement, May 2023
- All tree works will be undertaken to BS 3998:2010 'Recommendations for tree work'.
- Staff carrying out the work will be qualified and experienced.
- Arboricultural Consultant to be present at key stages of the project, such as: root pruning and any works within the RPA.
- Removal and pruning of trees to be carried out following an inspection carried by an Ecologist to make sure there is on nesting birds or any other species is present.

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Revision 0
05 February 2024

Appendix 1 – Futures Ecology - Ecological Design Strategy, Feb 2024

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Revision 0
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Appendix 2 – E3P - Arboricultural Impact Assessment and Method Statement, May 2023

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