

Reference: CEMP	70A – 80A Charles Street, Milford Haven, Pembrokeshire SA73 2HE	
Revision No. : 01		
Original Date: 13/02/2024		

CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN

**70A – 80A Charles Street, Milford Haven,
Pembrokeshire. SA73 2HE**


Reference: CEMP	70A – 80A Charles Street, Milford Haven, Pembrokeshire SA73 2HE	
Revision No. : 01		
Original Date: 13/02/2024		

Contents

1.0	Introduction	4
2.0	Site Environmental Details	5
3.0	Site Maps	10
4.0	Site Environmental Management System	12
5.0	Toolbox Talks	16
6.0	Emergency Response Procedures	17
7.0	Environmental Aspects Register	19

Appendices

App 1	Emergency Spill Response Procedure	29
App 2	Contaminated Water or Materials Procedure	30
App 3	Noise & Vibration Management Plan	31
App 4	Dust Management Plan	32
App 5	Odour Management Plan	33
App 6	Nuisance Management Plan	34
App 7	Protection of Local Flora and Fauna	35
App 8	SSSI Location Map	36

Reference: CEMP	70A – 80A Charles Street, Milford Haven, Pembrokeshire SA73 2HE	
Revision No. : 01		
Original Date: 13/02/2024		


1.0 Introduction

1.1 This Construction Environmental Management Plan has been prepared in support of a planning application for 24 affordable homes for the elderly. This Construction Environmental Management Plan is submitted with this application in order that can be conditioned for compliance, should planning permission be granted.

Particulars and Location of Development:

Twenty-four residential flats for the elderly, office space and associated car parking and amenity space – 70A-80A, Charles Street, Milford Haven. SA73 2HE

1.2 This Construction Environmental Management Plan therefore provides the details of all the measures that can be undertaken in the construction of the development, as outlined in the condition. It will ensure that the impact of the construction work on local residents and the immediate environment is reduced as far as is reasonably practicable. However, this document should be considered to be a “live” document and will evolve as necessary to address issues that may arise during the various phases of the development

Reference: CEMP	70A – 80A Charles Street, Milford Haven, Pembrokeshire SA73 2HE	
Revision No. : 01		
Original Date: 13/02/2024		

2.0 Site Environmental Details


2.1 Location

The site is located on the southern side of Charles St Road, just north of Milford Haven Marina. The National Grid Reference of the centre of the site is (SM) 190417 205931 and the postcode is SA73 2HE.

A site plan is included in Section 3.0

The site is located within the busy town of Milford Haven. It is not within any known Site of Special Scientific Interest (SSSI) or Special Area of Conservation (SAC). The SSSI of Milford Haven Waterway (specifically the western edge of the stretch from Littlewick Point to Brunel Quay) lies approximately 500m to the south of the proposed site (maps of SSSI's, as provided by Natural Resources Wales, are included in Appendix 8. Actual Site Plan included at Section 3.0)

The site does not encroach into the SSSI at any point

Reference: CEMP	70A – 80A Charles Street, Milford Haven, Pembrokeshire SA73 2HE	
Revision No. : 01		
Original Date: 13/02/2024		

2.2 Project Description

The project involves the construction of twenty-four residential flats for the elderly, office space and associated car parking and amenity space. (see Section 3.0 for site plan)

The works will include (this will be further updated as the scheme design develops):

2.3 Site Description

The site comprises a rectangular shaped parcel of land of around 25m length (north to south) and 35m width (east to west), occupying an area of around 0.09ha. It is presently occupied by demolition rubble associated with the former use of the site and hardstanding. It is bounded by:

- To the north: Charles Street and associated commercial/residential properties
- To the west and east: Commercial and residential properties along Charles Street
- To the south: Residential properties and Barlow Street road

It is known that the previous building contained a basement adjoining the highway at the north boundary and following the demolition the arisings were used to backfill the basement and to provide temporary support to the highway.

The general topography in the area is slopes from north to south towards the Milford Haven Waterway to the south, and the site itself also slopes very steeply to the south from Charles Street at the north boundary. The steep slope is intersected by a basement associated with the former use of the site that has also been poorly infilled with Made Ground associated with demolition arisings from the previous land use.


Reference: CEMP	70A – 80A Charles Street, Milford Haven, Pembrokeshire SA73 2HE	
Revision No. : 01		
Original Date: 13/02/2024		

2.4 Local Community & Other Stakeholders

Charles Street, Milford Haven has several local stakeholders and businesses which are situated in close vicinity to the construction works, such as:

- Cafes, restaurants, etc - Taste of Haven, Upper Crust, Greggs
- Retailers - Greenacres, Original Factory Shop, One Stop, Fresh&Fruity, Cardcraft, Barnardos, Jeffreys Jewellers
- Estate Agents - John Francis, West Wales Properties, RK Lucas
- Finance - Nationwide Building Society, Antelope Finance
- Bookmakers - Betfred, Coral
- Others - Oriol 2Gleddau, 4Muddy Paws, Milford Haven Travel Agency, Milford Ink
- There are also a number of residential and commercial properties to the south of the site on Hamilton Terrace

The wider Milford Haven community is also likely to be impacted by the construction works, due to delivery and site traffic moving through the town, either along Hamilton Terrace, or on occasion, along Charles Street

Reference: CEMP	70A – 80A Charles Street, Milford Haven, Pembrokeshire SA73 2HE	
Revision No. : 01		
Original Date: 13/02/2024		

2.5 Historical Contamination

There is no record of historical potentially contaminative uses for the site, as detailed in the Enviro Insight report from GroundSure (HMD-6446875) dated 07/11/2019

2.6 Watercourse Protection

There are no watercourses or ponds within the site boundaries. The Milford Haven Waterway SSSI lies approximately 300m to the south of the site and Milford Haven Marina lies approximately 200m south of the site

2.7 Pollution Risks

The KEY pollution risks for this project are:

Silt Runoff		Chemicals	
Fuels / Hydrocarbons	X	Emissions / Gases	X
Noise	X	Dust	X
Concrete Washwaters	X	Odour	
Lighting		Visual	
Effluent	X		

Reference: CEMP	70A – 80A Charles Street, Milford Haven, Pembrokeshire SA73 2HE	
Revision No. : 01		
Original Date: 13/02/2024		

2.8 Working Hours

Normal working hours will be maintained throughout the project wherever possible. Any works outside normal hours will have written approval from the Client

Normal working hours are:

- Monday to Friday - 0730 – 1800
- Saturday - 0730 – 1500

Any works outside of these times, including Sunday / Bank Holidays, will only be carried out with the express permission of the Client

2.9 Fuelling Arrangements

All fuels will be stored within the site compound. Larger quantities of diesel will be stored in double bunded secure bowsters, smaller quantities of fuels will be stored in appropriate containers in secure areas of the site compound.

Generally, all mobile plant working on the Charles Street Development will move to the designated fuel storage point in the site compound. All operatives involved in refuelling will be trained and follow the site refuelling procedure


2.10 Concrete Washwater

A designated concrete wash-out point will be established within the site boundary using best practice guidelines. A suitably sized lined container will be used and cleaned out before 75% of capacity used.

All concrete lorries will clean chute only and proceed to designated wash-out location

2.11 Demolition

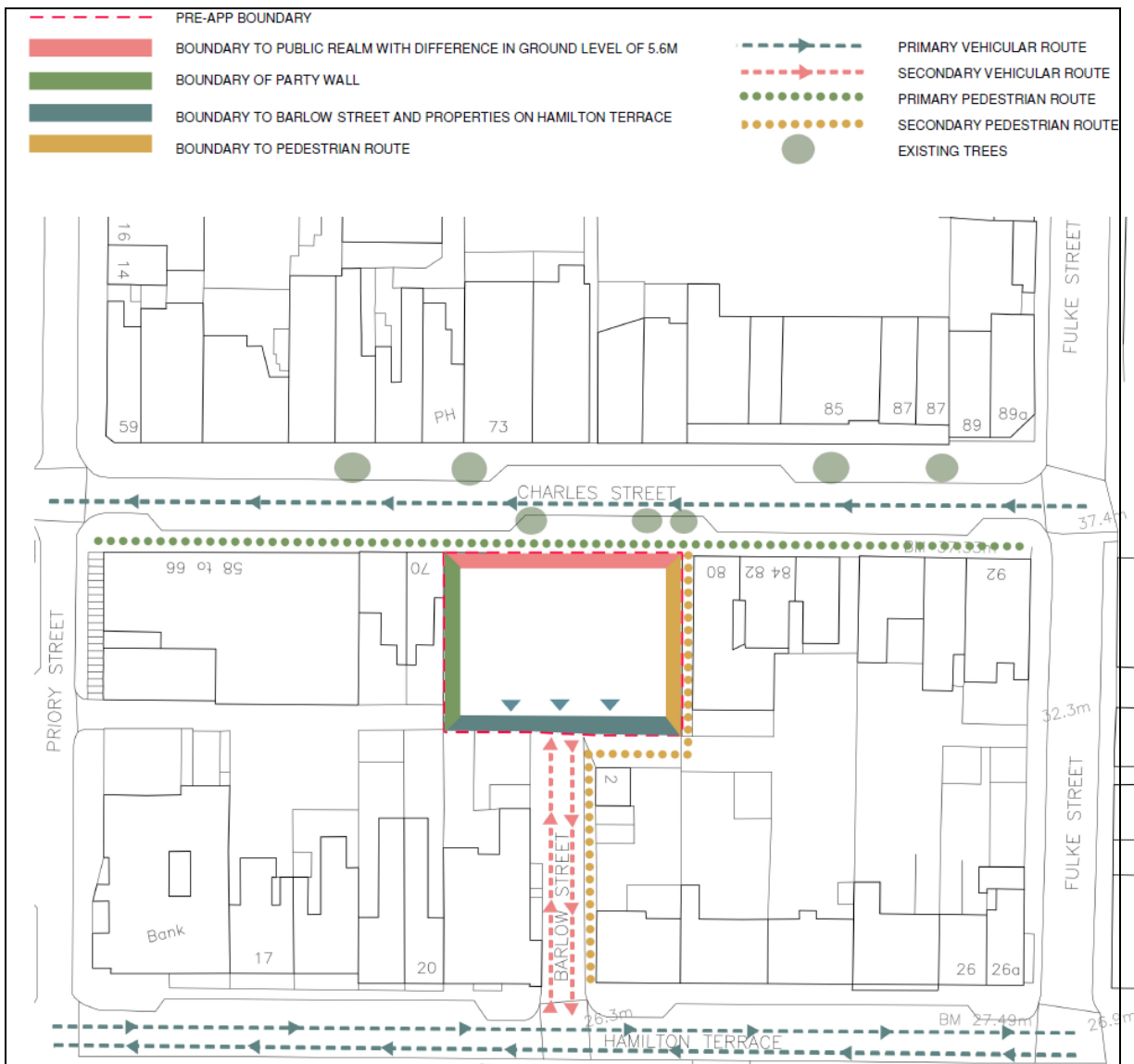
All demolition waste will be reused within the works so far as is reasonably practicable


Reference: CEMP	70A – 80A Charles Street, Milford Haven, Pembrokeshire SA73 2HE	
Revision No. : 01		
Original Date: 13/02/2024		

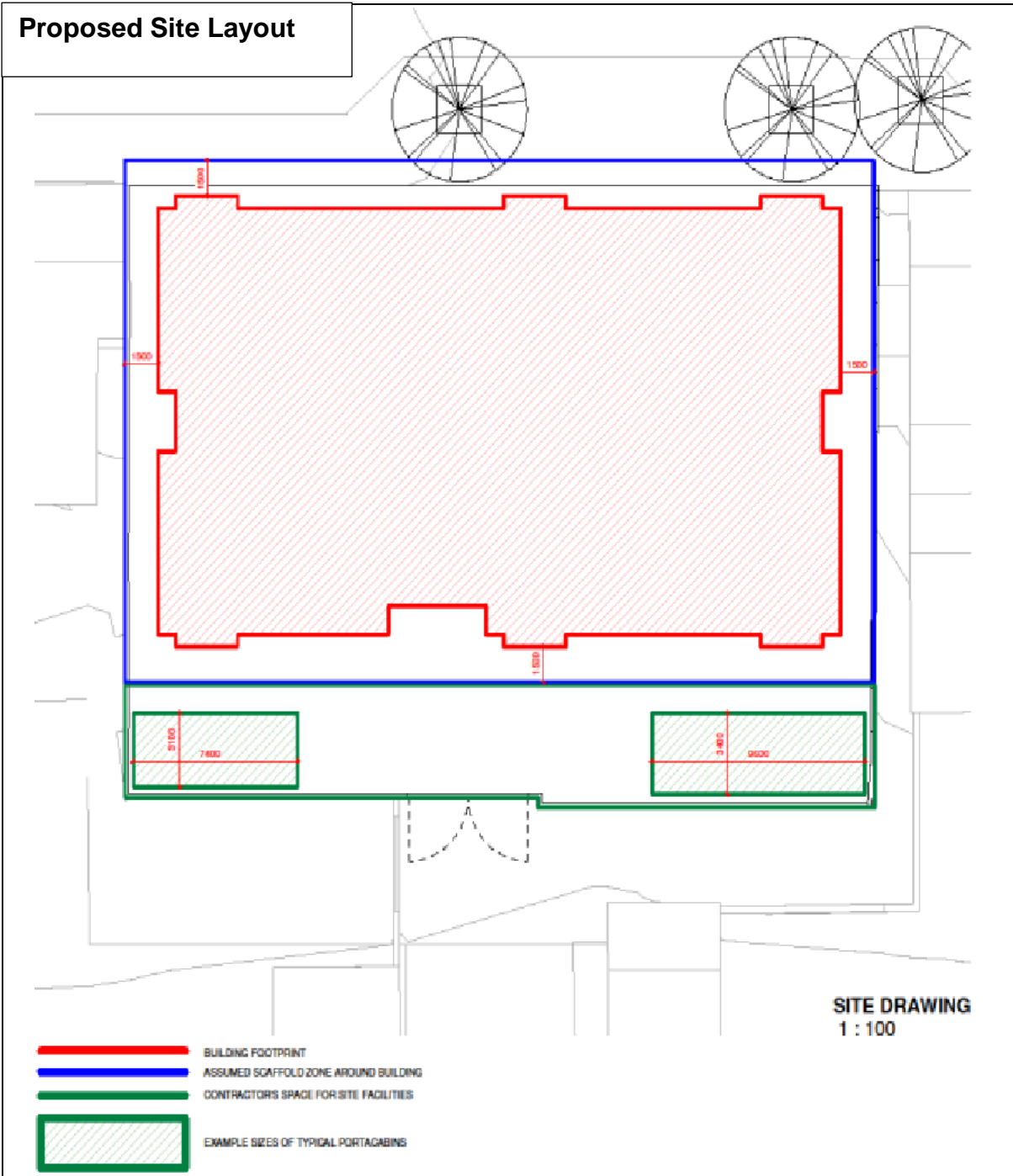
2.12 Noise


WBG will ensure that all noisy activities carried out on site are carefully monitored at all times to ensure that the impact on sensitive receptors is kept to a minimum. All activities on site will be managed under WBG Noise Management Plan for the site (Appendix 3 of this document)

3.0 Site Map



Reference: CEMP	70A – 80A Charles Street, Milford Haven, Pembrokeshire SA73 2HE	
Revision No. : 01		
Original Date: 13/02/2024		



Reference: CEMP	70A – 80A Charles Street, Milford Haven, Pembrokeshire SA73 2HE	
Revision No. : 01		
Original Date: 13/02/2024		

4.0 Site Environmental Management System

4.1 Documentation on Site

A copy of this plan will be held on site in hard copy and is also available electronically. This is a “living” document and will be amended as necessary. The master copy will be that held on WB Griffiths & Son Ltd main server

A copy of the company procedures and RAMS appropriate to this project, along with the Quality, Environmental and Occupational Health & Safety manuals will be available on WBG main server.

4.2 The following environmental records will be retained as part of the project records, including:

- The project plan, including Aspect Registers
- Waste transfer notes
- Hazardous waste consignment notes
- Results from environmental monitoring
- Consents and licences
- Complaints register, including details of actions taken in response
- Project environmental audits
- Environmental training records
- Management reviews

4.3 Communications

Concerns about environmental issues specific to the project are communicated to WBG personnel and sub-contractors through site meetings, site inductions, toolbox talks and method statement briefings. All site personnel will be made aware of the Site Aspect Register

Responsibility for contact with statutory bodies, local residents and other interested parties will be agreed with the client

Reference: CEMP	70A – 80A Charles Street, Milford Haven, Pembrokeshire SA73 2HE	
Revision No. : 01		
Original Date: 13/02/2024		

4.4 Environmental Incidents and Emergency Response Plan

Where the possibility of an environmental incident is foreseen, the response is set out in *Section 6.0 - Emergency Response Procedures*

4.5 Monitoring

Process monitoring, and other environmental monitoring as agreed (e.g. noise, ecology monitoring, etc) together with site self-assessments and audits performed by the Health, Safety and Environmental Manager are used to ensure that :


- Legislative requirements are being met
- Client requirements are being met
- WBG policy requirements and the requirements of this CEMP are being met

Results of environmental monitoring are monitored during the Management Reviews of WBG Management Systems

4.6 Competence

WB Griffiths & Son Ltd aims to ensure that all members of staff are in possession of the knowledge, skills and experience necessary to perform their jobs to the highest standards

Personnel for this project have been selected on the basis of their qualifications, experience and skills. Training requirements are reviewed in line with contract demands and changes to legislation

Reference: CEMP	70A – 80A Charles Street, Milford Haven, Pembrokeshire SA73 2HE	
Revision No. : 01		
Original Date: 13/02/2024		

4.7 Sub-Contractors

In the absence of their own Environmental Management System formally approved to BS EN 14001:2015 or EMAS, the Sub-Contractor shall comply with WB Griffiths & Son Ltd’s Environmental Management System

The Sub-Contractor shall comply with all environmental legislation. WB Griffiths & Son Ltd places a special emphasis on environmental legislation and will check for compliance

The Sub-Contractor shall carry out activities on site in accordance with the requirements of WB Griffiths & Son Ltd’s Site Environmental Management Plan. All operations must be provided with Risk Assessments and Method Statements which must be approved by WB Griffiths & Son Ltd’s Health, Safety & Environmental Manager before work is carried out.

4.8 Site Fuelling

The following measures will be complied with for plant and equipment refuelling on site:

- The fuel point will be sited away from drains and watercourses
- A suitable tank and stand will be provided
- The fuel tank will be protected from accidental damage, collision or vandalism
- The distribution hose will be fitted with a shut-off type filling nozzle
- The filling nozzle will be fitted with a security lock to prevent unauthorised use
- A drip tray will be provided below the distribution hose and nozzle when not in use
- All operatives involved in refuelling will carry out a visual inspection of hoses and connections of the fuel dispensing equipment prior to any fuel transfer

Reference: CEMP	70A – 80A Charles Street, Milford Haven, Pembrokeshire SA73 2HE	
Revision No. : 01		
Original Date: 13/02/2024		

4.9 Waste Management

In order to comply with all current legislation, it is essential for all contractors concerned with the removal and disposal of waste to comply with the following:

- Hold a valid waste carriers licence
- Dispose of their waste materials to licensed tips
- Complete waste transfer notes for the waste disposed of. (Copies must be retained for record purposes)
- Dispose of hazardous waste at suitably licensed facilities, under the control of a Hazardous Waste Consignment Note
- Ensure they do not permit materials, waste, etc to enter surface water drains / watercourses
- Ensure that waste under their control is prevented from blowing off vehicles when in transit

Everyone must be encouraged to reduce, reuse and re-cycle waste wherever possible

4.10 Materials Management

All materials generated during the works, including site clearance works, will be retained within the site boundary. At no time will materials be permitted to be stored outside of the site boundary fencing

WBG will carry out regular “litter picks” of the immediate area to remove any construction / demolition materials that have been accidentally ejected off site. During these litter picks, site personnel will also collect for onward disposal any other litter / plastics / etc found in the area


4.11 Protection of Flora and Fauna

Natural Resources Wales will be carrying out site visits throughout the project to ensure ongoing compliance with agreed Environmental Management Plan

Reference: CEMP	70A – 80A Charles Street, Milford Haven, Pembrokeshire SA73 2HE	
Revision No. : 01		
Original Date: 13/02/2024		


5.0 Toolbox Talks

Toolbox Talk No.	Toolbox Talk Title
WBG-TBT-001	Fire Prevention
WBG-TBT-002	Housekeeping
WBG-TBT-015	Silica Dust
WBG-TBT-026	Smoking
WBG-TBT-027	CoSHH
WBG-TBT-028	Deep Excavations
WBG-TBT-029	Biodiversity
WBG-TBT-030	Concreting Operations
WBG-TBT-032	Welfare Arrangements
WBG-TBT-034	Emergency Spill Control
WBG-TBT-038	Energy and Water Efficiency
WBG-TBT-044	Cement, Concrete and Plastering
WBG-TBT-045	Pumping, Over-Pumping and Washing Down Plant
WBG-TBT-049	Petrol and Diesel
WBG-TBT-050	Waste Management
WBG-TBT-053	Material Storage
WBG-TBT-058	Hand Arm Vibration
WBG-TBT-073	Control of Vibration
WBG-TBT-074	Control of Noise


Reference: CEMP	70A-80A Charles Street, Milford Haven, Pembrokeshire. SA73 2HE	
Revision No. : 0		
Original Date: 13/02/2024		

6.0 Emergency Response Procedures

In the event of a spill of the following materials, the response procedures will be:		
Hazardous Material	Response	Further Information
Fuel & Oils	<ul style="list-style-type: none"> For small leaks or minor spills, isolate and shut off the supply take up the spillage with inert absorbent material, cover drains and manhole covers where necessary and arrange for controlled disposal by licensed waste disposal contractor. For large spills involving contamination of the ground isolate and cordon off the area the take up the spillage with inert absorbent material, cover drains and manhole covers and block off routes to drainage or watercourses. Report any spillage to WB Griffiths & Son Ltd Health, Safety & Environmental Manager immediately 	<ul style="list-style-type: none"> Enforce NO SMOKING rules in the vicinity of the spillage Refer to Emergency Spill Response Procedure in Appendix 1
Contaminated Water	<ul style="list-style-type: none"> For small amounts arrange pumping out or take up with inert absorbent material and place in suitable closable container for controlled disposal by licensed waste disposal contractor. For major incidents of contamination of or to water inform the Regulator for assistance 	<ul style="list-style-type: none"> Inform Regulator immediately Refer to Emergency Spill Response Procedure in Appendix 1
Hazardous Liquids	<ul style="list-style-type: none"> Shut off the supply and isolate the area, take up with inert absorbent material and place in suitable closable container for disposal by specialist contractor or to suitably licensed facility 	<ul style="list-style-type: none"> Refer to relevant Health & Safety (CoSHH) Material Safety Data Sheet Do not breathe vapour. Wear appropriate PPE


Reference: CEMP	70A-80A Charles Street, Milford Haven, Pembrokeshire. SA73 2HE	
Revision No. : 0		
Original Date: 13/02/2024		

Hazardous Material	Response	Further Information
Hazardous Material	<ul style="list-style-type: none"> Once identified arrange for removal and controlled disposal by specialist contractor to suitably licensed site 	<ul style="list-style-type: none"> Refer to relevant Health & Safety (CoSHH) Material Safety Data Sheet Do not breathe vapour. Wear appropriate PPE
Contaminated Waste or Material	<ul style="list-style-type: none"> Arrange for survey report to identify class and type of contamination, place contaminant in suitable container or arrange for pumping out for controlled disposal by licensed waste disposal contractor. For contaminated excavated material arrange for controlled disposal by specialist contractor to a suitably licensed site 	<ul style="list-style-type: none"> Refer to Emergency Spill Response Procedure in Appendix 1 Refer to Contaminated Water or Materials Procedure in Appendix 2


Reference: CEMP	70A-80A Charles Street, Milford Haven, Pembrokeshire. SA73 2HE	
Revision No. : 0		
Original Date: 13/02/2024		

7.0 Environmental Aspects Register


	Aspect	Impact	Severity of Impact (1 - 5)	Likelihood (1 - 5)	Risk (S x L)	Control Measures to be Taken
Pollution of Watercourses and Land	Construction arisings and construction run-off	<ul style="list-style-type: none"> Construction arisings and/or silty and/or contaminated water entering watercourses. Suffocation of fish 	2	2	4	<ul style="list-style-type: none"> It is highly unlikely that a substantial volume of silty construction run-off or arisings would make its way into any watercourse via neighbouring drainage systems. WBG will minimise the volume of spoil stored on site. Access roads and hard-standings will be kept clean at all times
	Groundwater from excavations	<ul style="list-style-type: none"> Contaminated water entering watercourses. Suffocation of fish 	3	2	6	<ul style="list-style-type: none"> Excavations will not be left open for prolonged periods of time. If water is required to be pumped out of an excavation, a safe system of work will be implemented which will detail appropriated measures for discharging to watercourses if required.
	Spillage of chemicals	<ul style="list-style-type: none"> Chemicals entering watercourses. Subject to prosecution 	4	1	4	<ul style="list-style-type: none"> Chemicals will only be brought onto site as required and volumes stored on site will be minimised. Appropriate storage facilities will be provided as determined by suitable and sufficient CoSHH Assessment

Reference: CEMP	70A-80A Charles Street, Milford Haven, Pembrokeshire. SA73 2HE	
Revision No. : 0		
Original Date: 13/02/2024		


	Aspect	Impact	Severity of Impact (1 - 5)	Likelihood (1 - 5)	Risk (S x L)	Control Measures to be Taken
Pollution of Watercourses and Land	Spillage of fuel during construction	<ul style="list-style-type: none"> Fuel entering watercourses. Subject to prosecution 	4	2	8	<ul style="list-style-type: none"> Only double skinned bowsers will be used on site. Designated fuelling areas will, where possible, be located as far from watercourses as possible. Operatives will follow site refuelling procedures. Spill kits will be kept in all operating plant. Drip trays will be used
	Vehicle washings, including wheel washing	<ul style="list-style-type: none"> Contaminated water entering watercourses during construction phase 	2	2	4	<ul style="list-style-type: none"> Wash down facility will be planned and set up with the approval of WB Griffiths HS&E Manager. Drainage of wash water will only be via appropriate silt trap
	Cementitious wash water	<ul style="list-style-type: none"> Release of highly alkaline water into watercourses / drains 	4	2	8	<ul style="list-style-type: none"> A designated wash out area will be provided at a suitable location. Operatives will be instructed via safety briefings on wash out procedures. Large pours will be carefully planned to ensure appropriate facilities are in place All concreting operations will follow site specific RAMS which will take account of pour location and appropriate plant to be used for pour, as well as any protection measures necessary to mitigate the release of concrete into the environment

Reference: CEMP	70A-80A Charles Street, Milford Haven, Pembrokeshire. SA73 2HE	
Revision No. : 0		
Original Date: 13/02/2024		


	Aspect	Impact	Severity of Impact (1 - 5)	Likelihood (1 - 5)	Risk (S x L)	Control Measures to be Taken
Pollution of Watercourses and Land	Sewage from welfare facilities	<ul style="list-style-type: none"> Sewage entering the watercourse. Breach of consent 	4	1	4	<ul style="list-style-type: none"> Sewage to be piped into existing foul network where possible or into bulk tanks to be collected from site as necessary to ensure storage units do not overflow. As the works progress, sewage collection requirements will be monitored and increased as necessary
	Shuttering oil from civil works	<ul style="list-style-type: none"> Oil entering watercourse / groundwater 	2	2	4	<ul style="list-style-type: none"> Water based shutter oil will be used whenever practicable to do so. Oil will be applied before the shutter is placed. Care will be taken when applying oils to take account of wind / rain and proximity of other operatives / etc

Reference: CEMP	70A-80A Charles Street, Milford Haven, Pembrokeshire. SA73 2HE	
Revision No. : 0		
Original Date: 13/02/2024		


	Aspect	Impact	Severity of Impact (1 - 5)	Likelihood (1 - 5)	Risk (S x L)	Control Measures to be Taken
Waste	Domestic waste	<ul style="list-style-type: none"> Attract vermin / pests. Disease risk. Windblown plastic waste may cause problems for wildlife 	4	3	12	<ul style="list-style-type: none"> Covered bins will be used with the need for good housekeeping emphasised to all operatives on site by regular toolbox talks. Operatives will only be permitted to eat in designated welfare facilities. Bins will be emptied as required to keep amount of waste on site to a minimum
	Disposal of controlled waste	<ul style="list-style-type: none"> Failure to comply with Duty of Care can result in prosecution 	4	2	8	<ul style="list-style-type: none"> Only licensed hauliers will be used Full records will be maintained (waste transfer notes)
	Disposal of hazardous waste	<ul style="list-style-type: none"> Incorrect disposal of hazardous waste can result in prosecution 	4	1	4	<ul style="list-style-type: none"> Hazardous waste to be segregated and stored in secure location Only licensed hauliers will be used Full records will be maintained
	Waste – General	<ul style="list-style-type: none"> Impact on local resources, landfill dependency and project cost 	3	2	6	<ul style="list-style-type: none"> Materials will be ordered as required to minimise wastage Reduce, re-use and re-cycle ethos will be implemented Segregation of waste materials will be implemented where possible Only licensed hauliers will be used Full records will be maintained
	Packaging	<ul style="list-style-type: none"> Disposal to landfill Costly 	2	1	2	<ul style="list-style-type: none"> All packaging will be segregated and recycled where possible

Reference: CEMP	70A-80A Charles Street, Milford Haven, Pembrokeshire. SA73 2HE	
Revision No. : 0		
Original Date: 13/02/2024		


	Aspect	Impact	Severity of Impact (1 - 5)	Likelihood (1 - 5)	Risk (S x L)	Control Measures to be Taken
Emissions / Nuisance	Plant / vehicle exhaust emissions	<ul style="list-style-type: none"> Contribution to local and global air quality problems 	2	2	4	<ul style="list-style-type: none"> Plant and vehicle maintenance, including MoTs, will be carried out at regular and frequent intervals All plant, equipment and machinery will be switched off when not in use
	Visual impact and temporary landscape impact	<ul style="list-style-type: none"> May cause nuisance to neighbours / community / tourism, etc 	2	2	4	<ul style="list-style-type: none"> Good housekeeping will be maintained at all times Relevant toolbox talks will be given to all site staff
	Construction noise	<ul style="list-style-type: none"> Nuisance to neighbours / enforcement action 	4	4	16	<ul style="list-style-type: none"> Plant will be switched off when not in use All plant and equipment will be well maintained with correct and effective silencers fitted and integral acoustic covers in closed position wherever possible All operatives will be reminded to behave in a courteous manner at all times
	Lighting	<ul style="list-style-type: none"> May cause nuisance to neighbours 	4	2	8	<ul style="list-style-type: none"> While working during hours of darkness / twilight, lighting towers will not be directed towards neighbouring properties

Reference: CEMP	70A-80A Charles Street, Milford Haven, Pembrokeshire. SA73 2HE	
Revision No. : 0		
Original Date: 13/02/2024		

	Aspect	Impact	Severity of Impact (1 – 5)	Likelihood (1 – 5)	Risk (S x L)	Control Measures to be Taken
Emissions / Nuisance	Dust	<ul style="list-style-type: none"> From vehicle movements / demolition / stockpiling / etc 	2	2	4	<ul style="list-style-type: none"> Traffic routes on site will be dampened down during dry and windy conditions, road sweepers will be employed to minimise the spread of dusts on the site and onto surrounding roads. Stockpiles will be managed to reduce surface area available, stockpiles will be dampened down as necessary
	Vibration	<ul style="list-style-type: none"> Detrimental to existing structures / nuisance to neighbours 	2	2	4	<ul style="list-style-type: none"> All vibratory activities will be carefully monitored to reduce nuisance to neighbours. Out of hours vibratory activities will be kept to a minimum
	Odours	<ul style="list-style-type: none"> Intrusive smells emanating from site works can cause nuisance to neighbours 	2	2	4	<ul style="list-style-type: none"> General waste and food waste will be collected from the covered skips at regular intervals. Good housekeeping will be implemented at all times If foul sewage connection is not possible, storage tanks will be well constructed, sealed and fitted with suitable vent stack
Energy	Site Cabins / Buildings	<ul style="list-style-type: none"> Depletion of non-renewable resources / carbon emissions 	1	1	1	<ul style="list-style-type: none"> Welfare facilities will be connected to mains services
	Vehicles and Plant	<ul style="list-style-type: none"> Fuel resource depletion, pollutant emissions and project cost 	1	1	1	<ul style="list-style-type: none"> All plant and vehicles will be switched off when not in use. All plant and vehicles will be subject to regular maintenance. Car share will be encouraged at all times

Reference: CEMP	70A-80A Charles Street, Milford Haven, Pembrokeshire. SA73 2HE	
Revision No. : 0		
Original Date: 13/02/2024		

	Aspect	Impact	Severity of Impact (1 – 5)	Likelihood (1 – 5)	Risk (S x L)	Control Measures to be Taken
Nature	Invasive species	<ul style="list-style-type: none"> • Damage to local ecosystem & infrastructure. • Prosecution for spreading 	4	1	4	<ul style="list-style-type: none"> • No invasive species have been identified on or near to the development site
	Fauna and flora	<ul style="list-style-type: none"> • Local ecosystem & impact on protected species 	4	1	4	<ul style="list-style-type: none"> • Potential exists to harm wildlife – fuel control and sediment control will be implemented to minimise possible impact • Adherence to relevant licence will mitigate any potential harm with regard to marine wildlife

Reference: CEMP	70A-80A Charles Street, Milford Haven, Pembrokeshire. SA73 2HE	
Revision No. : 0		
Original Date: 13/02/2024		

7.0 Environmental Aspects

7.1 Aspect Significance

WB Griffiths & Son Ltd's HS&E Manager has identified the environmental aspects to determine those activities over which it is possible for WBG to have an influence and to determine those which may have significant impacts on the environment

7.2 Risk Matrix Analysis

Methodology

The company will assign aspects to a ranking matrix based on the probability of occurrence and severity of consequences. Individual matrix cells give an indication of significance

Step 1.


All possible aspects and impacts will be identified and listed for all processes, activities and areas under the influence of WB Griffiths & Son Ltd and/or the project

Step 2.

WB Griffiths & Son Ltd will categorise each aspect under all identified conditions by probability and severity from the criteria given below. The scores for probability and severity are multiplied together and can then be plotted on the ranking matrix

e.g. probability 3 and severity 4 would be priority 12. The numbers in each cell of the matrix represent ranking for priority to determine which management actions should be taken to control or improve the aspect

Any aspect that scores a risk rating of 6-9 (Moderate Risk) or >9 (High Risk) is deemed to be significant and requires specific management actions

Reference: CEMP	70A-80A Charles Street, Milford Haven, Pembrokeshire. SA73 2HE	
Revision No. : 0		
Original Date: 13/02/2024		

7.3 Ranking Matrix for Significant Evaluation


		Low	SEVERITY				High
		1	2	3	4	5	
LIKELIHOOD	Low	1	2	3	4	5	
	2	2	4	6	8	10	
LIKELIHOOD	3	3	6	9	12	15	
	4	4	8	12	16	20	
High	5	5	10	15	20	25	

Probability Factors


- 1. Very Low - Every 10 years
- 2. Low - 1 – 10 years
- 3. Medium - Monthly
- 4. High - Daily / Weekly
- 5. Very High - Continuous / Hourly

Severity Factors

- 1. Very Minor Environmental Damage
- 2. Minor Environmental Damage / Business Interruption
- 3. Moderate Environmental Damage / Nuisance to Public
- 4. Serious Environmental Damage / Off Site clean-up required, possibility of prosecution
- 5. Major Environmental Incident – Fatality or long lasting environmental damage e.g. major habitat loss

Reference: CEMP	70A-80A Charles Street, Milford Haven, Pembrokeshire. SA73 2HE	
Revision No. : 0		
Original Date: 13/02/2024		

APPENDICES

Reference: CEMP	70A-80A Charles Street, Milford Haven, Pembrokeshire. SA73 2HE	
Revision No. : 0		
Original Date: 13/02/2024		

Appendix 1 Emergency Spill Response Procedure

PROCEDURES TO BE FOLLOWED IN THE EVENT OF A SPILLAGE / INCIDENT

The following procedures are intended as a guide to dealing with incidents. Site staff shall act in accordance with these procedures whilst applying common sense and ensuring their own health & safety and those of others


1. IF POSSIBLE, IDENTIFY THE SOURCE OF THE SPILLAGE AND CUT OFF SOURCE E.G. BY CLOSING VALVE, RIGHTING CONTAINER, ETC
2. IDENTIFY WHERE SPILLAGE HAS GONE TO AND/OR WHERE IT MAY GO TO. IF SPILLAGE IS NEAR A WATERCOURSE (HARBOUR, DRAINAGE DITCH, RIVER) DIVERT SPILLAGE AWAY FROM THE WATERCOURSE BY DIGGING INTERCEPTION TRENCHES OR BY ABSORBENT MATERIAL (SPILL KIT)
3. NOTIFY ALL PARTIES IN AN APPROPRIATE ORDER AS STATED BELOW. NOTIFICATION SHOULD BE MADE BY ONE PERSON ONLY WHILST THE REMAINDER OF STAFF PRESENT ATTEND TO THE SPILL ITSELF
4. IF A SPILL HAS REACHED A WATERCOURSE, THE FOLLOWING MEASURES SHOULD BE APPLIED:
 - a. CONTACT NATURAL RESOURCES WALES (NRW) AND INFORM THEM OF THE LOCATION AND NATURE OF THE SPILL AND FOLLOW INSTRUCTIONS GIVEN

IF APPROPRIATE

 - c. PLACE FLEXIBLE ABSORBENT BOOMS DOWNSTREAM OF THE CONTAMINATION WITHIN A STRETCH OF WATER WITH A LOW FLOW VELOCITY
 - d. PLACE ABSORBENT CUSHIONS IN THE WATER IMMEDIATELY UPSTREAM OF THESE BOOMS
 - e. REPEAT THIS PROCESS FURTHER DOWNSTREAM AND REMOVE AND REPLACE SATURATED SEDIMATS / ABSORBENT MATERIALS AS REQUIRED
5. DIG UP ALL CONTAMINATED GROUND AS SOON AS POSSIBLE / IMMEDIATELY. ALL CONTAMINATED MATERIALS SHOULD BE PLACED IN SEALED POLYTHENE BAGS / CONTAINERS AND DISPOSED OF APPROPRIATELY
6. ONLY STORE THE WASTE WITHIN A DESIGNATED CoSHH STORAGE AREA
7. FULLY COMPLETE A WB GRIFFITHS & SON LTD INCIDENT REPORT

Key information to be provided in a clear and concise manner:

- What substance was spilled
- Approximate volume and time of spillage
- Accurate location of spill
- All measures taken
- Assistance required, i.e. manpower, machinery, advice, disposal, etc
- Whether or not the spill has reached a watercourse

Reference: CEMP	70A-80A Charles Street, Milford Haven, Pembrokeshire. SA73 2HE	
Revision No. : 0		
Original Date: 13/02/2024		

Appendix 2 Contaminated Water or Materials Procedure

This procedure applies to the discovery of small amounts of contaminated water or materials during contract works, inspections or excavations

1. During inspections or excavations if it is discovered that material is contaminated it **MUST** be reported for action by the client
2. Instruments that are to be removed from site for calibration are to be cleaned and any suspected contaminated materials removed and taken up with inert absorbent material and placed in a suitable closable container for disposal to landfill or by controlled incineration
3. Equipment that is found to be contaminated will be washed down and the material disposed of to a suitably licensed facility
4. All small items that are found to be contaminated or are suspected as being contaminated are to be enclosed in sealed plastic bags until decontamination is undertaken or disposal instructions confirmed

The Site Manager is responsible for the monitoring of day-to-day compliance with this procedure


TESTING

The following procedure should be used in order to determine if material is contaminated:

A sample should be taken and examined for:


- Unusual discolouration
- Visible hydrocarbon contamination
- Unusual distinctive odour or smell

If any of the above are observed, then the material should be considered to be contaminated. Suspected contaminated material must be reported to the Site Manager for action, inspection and testing. Disposal of contaminated material will be at licensed disposal sites and disposal documentation maintained

Reference: CEMP	70A-80A Charles Street, Milford Haven, Pembrokeshire. SA73 2HE	
Revision No. : 0		
Original Date: 13/02/2024		


Appendix 3 Noise & Vibration Management Plan

Element	Noise & Vibration from construction activities
Objective / Target	To conduct construction operations without significant noise or vibration impact on sensitive receptors
Actions	<ul style="list-style-type: none"> • All piling activities will be restricted to normal site working hours • Land based operations that are to be completed outside normal operating hours are to be separately risk assessed in relation to noise and additional control measures implemented if necessary • Ensure that mechanical plant and equipment used for the purpose of the works are fitted with effective exhaust silencers and are maintained in good working order • Careful selection of quietest plant and machinery to undertake the required task • All major compressors to be fitted with properly lined and sealed acoustic covers which should be kept closed whenever the machines are in use • Any ancillary pneumatic percussive tools will be fitted with mufflers or silencers of a type recommended by the manufacturer • Machines in intermittent use should be shut down in the intervening periods between work • Ancillary plant such as generators, compressors, pumps, etc should be positioned behind existing physical barriers and the direction of noise emissions from plant, etc should be positioned away from sensitive locations in order to minimise noise disturbance. Where possible in potentially sensitive areas acoustic barriers / enclosures shall be used • Audible warning (reversing) systems are to be “white noise” type if being used in night time activities • Careful handling of construction materials should be employed to avoid excessive noise, i.e. placing rocks with excavator rather than dropping from height when backfilling, etc • Traffic routes taking construction vehicles to and from site will be as agreed with the client
Performance Indicators	No noise or vibration complaints
Monitoring	<ul style="list-style-type: none"> • Periodic noise monitoring will be carried out by WB Griffiths & Son Ltd’s HS&E Manager • Evening noise levels not to exceed 65dB
Reporting	<ul style="list-style-type: none"> • Recorded regular health and safety reports
Corrective Action	<ul style="list-style-type: none"> • Project management to review procedures and make changes where appropriate / practicable

Reference: CEMP	70A-80A Charles Street, Milford Haven, Pembrokeshire. SA73 2HE	
Revision No. : 0		
Original Date: 13/02/2024		


Appendix 4 Dust Management Plan

Element	Control of Dust created by movement and storage of fine materials on site
Objective / Target	To ensure the reduction of any air borne dust within site limits and towards areas with sensitive receptors
Actions	<ul style="list-style-type: none"> • Site roads to be regularly cleaned and maintained as appropriate. Hard surfaces shall be swept to remove mud and aggregate materials. • If necessary, site roads, and approaches, will be dampened during dry and windy conditions • Where there is a risk of migration of mud to areas outside of the site limits, a suitable wheelwash facility will be provided. Wheelwash facilities will be approved by WB Griffiths & Son Ltd's HS&E Manager prior to set-up and use • Public roads outside of the site will be regularly checked for cleanliness and cleaned as appropriate • Material handling systems and site stockpiling of materials shall be designed and laid out to minimise exposure to wind • All vehicles which present a risk of spillage of materials shall be loaded in such a way as to prevent spillage on public roads • All plant and vehicles will be inspected daily before use and maintained in a suitable and safe condition to keep pollutants from engine generated emissions within legal limits • Skips used for disposal of any fine material (e.g. used cement bags) will be covered • Ready mixed concrete will be used on site wherever practical to do so, in order to reduce the need for the storage of fine materials used for on-site mixing
Performance Indicators	No complaints from the public concerning dust migration outside of the site boundary
Monitoring	<ul style="list-style-type: none"> • Observing site conditions on a daily basis • Monitoring weather conditions and forecasts in order that appropriate action can be taken
Reporting	<ul style="list-style-type: none"> • Reporting of exceptions or observations of dust or mud on roads to Site Manager • Daily checks by site staff, weekly checks by Site Manager and regular recorded inspections by WB Griffiths & Son Ltd's HS&E Manager
Corrective Action	<ul style="list-style-type: none"> • Project Management to review and implement existing procedures. Make amendments as and when required / when practicable, to mitigation and control measures

Reference: CEMP	70A-80A Charles Street, Milford Haven, Pembrokeshire. SA73 2HE	
Revision No. : 0		
Original Date: 13/02/2024		


Appendix 5 Odour Management Plan

Element	Odour Management
Objective / Target	To ensure the reduction of any odours within site limits and towards areas with sensitive receptors
Actions	<ul style="list-style-type: none"> • Storage and disposal of site waste in accordance with set procedures • Covered skips to be used for all food / organic waste • All skips to emptied on a regular basis and cleaned as necessary in order to maintain them in a satisfactory condition • Welfare units will be connected to mains foul whenever possible • If holding tanks have to be used for welfare waste water, a suitable vent stack and sealed hatches will be fitted. Holding tanks will be emptied and cleaned on a regular basis • Holding tanks will be emptied more frequently during hot weather to reduce the risk of odour release • Waste oils will be stored in sealed containers within the CoSHH store • Site and project management will liaise with local businesses and stakeholders prior to any new works with the potential for odour release
Performance Indicators	No complaints from public concerning odours outside of the site boundaries
Monitoring	<ul style="list-style-type: none"> • Daily checks by site staff, weekly checks by Site Manager and regular recorded inspections by WB Griffiths & Son Ltd's HS&E Manager
Reporting	<ul style="list-style-type: none"> • Reporting of incidents to Project Manager who will inform client and make recommendations to address complaint
Corrective Action	<ul style="list-style-type: none"> • Project management to review and implement existing procedures • make appropriate changes and improvements where necessary / practicable to mitigation and control measures regarding the storage and handling of waste and materials on site

Reference: CEMP	70A-80A Charles Street, Milford Haven, Pembrokeshire. SA73 2HE	
Revision No. : 0		
Original Date: 13/02/2024		

Appendix 6 Nuisance Management Plan

Element	Nuisance to others
Objective / Target	To conduct construction operations without significant impact on sensitive receptors
Actions	<ul style="list-style-type: none"> • Available working hours are: <ul style="list-style-type: none"> ○ Monday to Friday – 07:30hrs – 18:00hrs ○ Saturday 07:30hrs – 15:00hrs ○ Work outside of these hours will only be permitted with prior written consent from the Client • Parking is not permitted on any approach road to Site, including Charles Street and Hamilton Terrace • Parking for site personnel is limited and is only permitted in designated areas • Site operatives are encouraged to car and van share wherever possible to relieve pressure on local parking facilities, especially during the busy summer months • The Site speed limit is 5mph and must be strictly adhered to by all site personnel • Smoking is not permitted on site • Intoxicating liquor is not permitted on any part of the site • Site personnel deemed to be under the influence of alcohol and/or drugs will not be permitted to enter the site and will be removed from site • All site personnel will be reminded that they are working in a residential and commercial area and as such, foul and abusive language will not be tolerated • Burning of any items on site is strictly forbidden • Loading and unloading of materials will take place within the site boundaries, where practicable, during normal working hours • No delivery vehicles will be permitted to wait on the main road. If necessary, delivery drivers will be required to wait outside of the town until such time as they can access the site for unloading • If necessary, vehicles will be offloaded at WBG yard in Withybush, Haverfordwest (approximately 10 miles away), with materials transported to Milford Haven as and when required
Performance Indicators	No complaints from the public about site activities
Monitoring	<ul style="list-style-type: none"> • Frequent visits to site will be carried out by WBG’s HS&E Manager to ensure site rules are being complied with
Reporting	<ul style="list-style-type: none"> • Recorded regular health and safety reports
Corrective Action	<ul style="list-style-type: none"> • Project management to review procedures and make changes where appropriate / practicable

Reference: CEMP	70A-80A Charles Street, Milford Haven, Pembrokeshire. SA73 2HE	
Revision No. : 0		
Original Date: 13/02/2024		

Appendix 7 Protection of Local Flora and Fauna

Element	Protection of local flora and fauna (including reptiles)
Objective / Target	To conduct construction operations without significant impact on sensitive receptors
Actions	<ul style="list-style-type: none"> • Checks will be carried out prior to construction works commencing to ensure there are no signs of active wildlife movements in the designated construction areas • All open excavations will be covered overnight to reduce risk of accidental entry by wildlife overnight. Excavations will be checked every morning in case any wildlife fell in overnight • Any reptiles found during construction works will be carefully removed to one of the external boundaries
Performance Indicators	No complaints regarding treatment of local wildlife
Monitoring	<ul style="list-style-type: none"> • Frequent visits to site will be carried out by WBG's HS&E Manager to ensure site rules are being complied with
Reporting	<ul style="list-style-type: none"> • Recorded regular health and safety reports
Corrective Action	<ul style="list-style-type: none"> • Project management to review procedures and make changes where appropriate / practicable

Reference:	CEMP
Revision No. :	0
Original Date:	13/02/2024

**70A-80A Charles Street,
Milford Haven,
Pembrokeshire. SA73 2HE**



Appendix 8 Map of Local SSSIs

