



**GRAINGER PLC
SOUTHERN PRIMARY SCHOOL
SUBSTATION
BEREWOOD, WATERLOOVILLE,
HAMPSHIRE**

OUTLINE CEMP

APRIL 2024



the journey is the reward

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HAMPSHIRE**

OUTLINE CEMP

APRIL 2024

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Grainger plc
School Substation
Berewood, Waterlooville, Hampshire
Outline CEMP

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1 Introduction

1.1 This Outline Construction Environmental Management Plan (CEMP) indicates the management framework required for the planning and implementation of the proposed site works, in accordance with environmental commitments identified within the Environmental Statement and any requirements of planning conditions or Section 106 legal agreements. Its purpose is to reduce the risk of adverse impacts resulting from construction on sensitive environmental resources, and to minimise disturbance to local residents and other sensitive receptors. The Outline CEMP describes the checking, monitoring and audit processes that will be required to ensure works are being undertaken in accordance with these requirements, together with measures to ensure that appropriate corrective actions or mitigation measures are taken. The Outline CEMP will form part of the overall Project Management and as such, activities described will be integrated with other Quality, Sustainability and Health and Safety management processes.

1.2 The provision of the works is subject to the discharge of Condition 11 of the Winchester City Council Decision. Therefore, this Outline CEMP will include for the specific RMA condition set out below:

1.3 Condition 11 states:

“No development within a reserved matters area shall take place until a Construction Environmental Management Plan (CEMP) which should be in accordance with the ecological mitigation measures set out in Environmental Statement and the ecological mitigation plan submitted for that Reserved Matters Application, has been submitted for each particular reserved matters application, and approved by the Local Planning Authority, to include details of:

- i. construction traffic routes in the local area;*
- ii. parking and turning of operative, construction and visitor vehicles;*
- iii. loading and unloading of plant and materials;*
- iv. piling techniques;*
- v. storage of plant and materials;*
- vi. programme of works (including measures for traffic management);*
- vii. all deliveries and building works which should only be carried out between the hours of 0800 and 1800 hours Monday to Friday and 0800 and 1300 hours Saturday and no time on Sundays or recognised public holidays;*
- viii. provision of boundary hoarding and lighting including construction lighting;*

- ix. protection of trees, hedgerows and other natural features to be retained including their management until such time as they are adopted;*
- x. details of proposed means of dust suppression and noise mitigation;*
- xi. measures to protect the listed building as necessary;*
- xii. details of measures to be taken to prevent mud from vehicles leaving the site during construction;*
- xiii. measures to prevent pollution of the watercourse during construction;*
- xiv. the handling and management of construction waste;*
- xv. details of surface water runoff; and*
- xvi. construction lighting.”*

- 1.4 The specific responses to these requirements are contained within the relevant sections of the document and specifically within **Section 5**.

2 Project Outline

Overview

- 2.1 Berewood is located to the immediate west of Waterlooville and north of Portsmouth in Hampshire. The A3 forms the eastern boundary of the site and the northern boundary extends towards Hambledon Road. The western boundary is formed by woodland belts and hedgerows to the east of Newlands Lane. The main part of the site extends south to Purbrook Gardens, with the southern access part of the site extending further south to near Purbrook Heath Road. The built-up area of Waterlooville borders the eastern boundary of the site with the town centre immediately to the east. The Hambledon Road Local Centre is located to the north east and the Purbrook Local Centre to the south east. Brambles Business Park is located north west of Waterlooville Town bordering the site perimeter. The extent of the Berewood site is illustrated in **Figure 2.1** below.

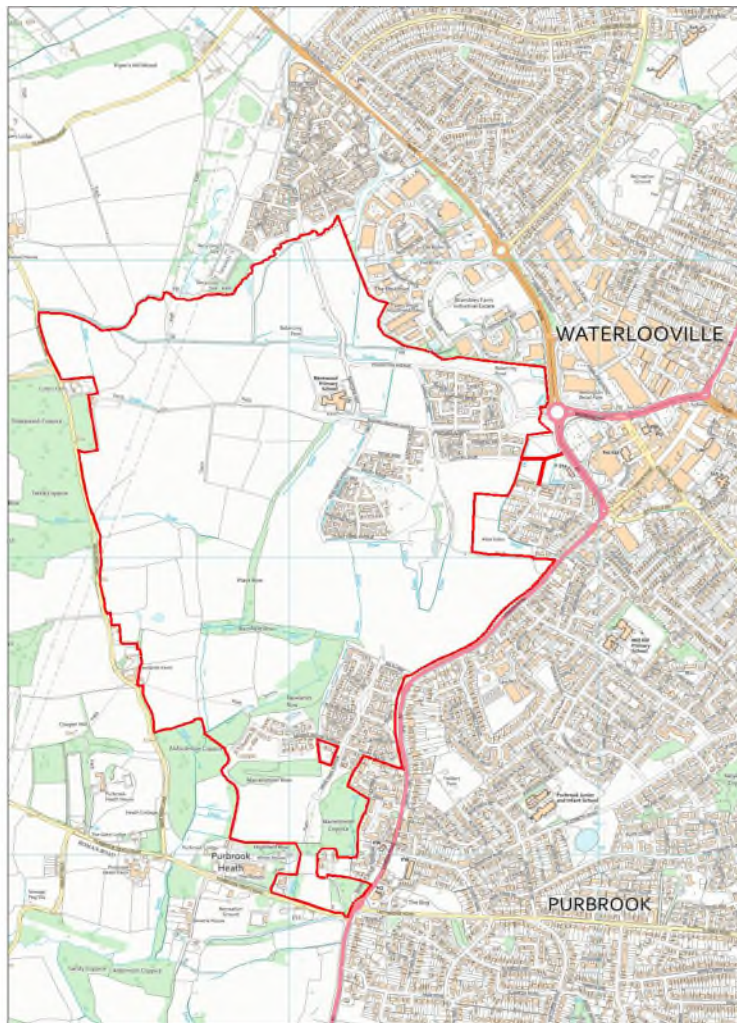
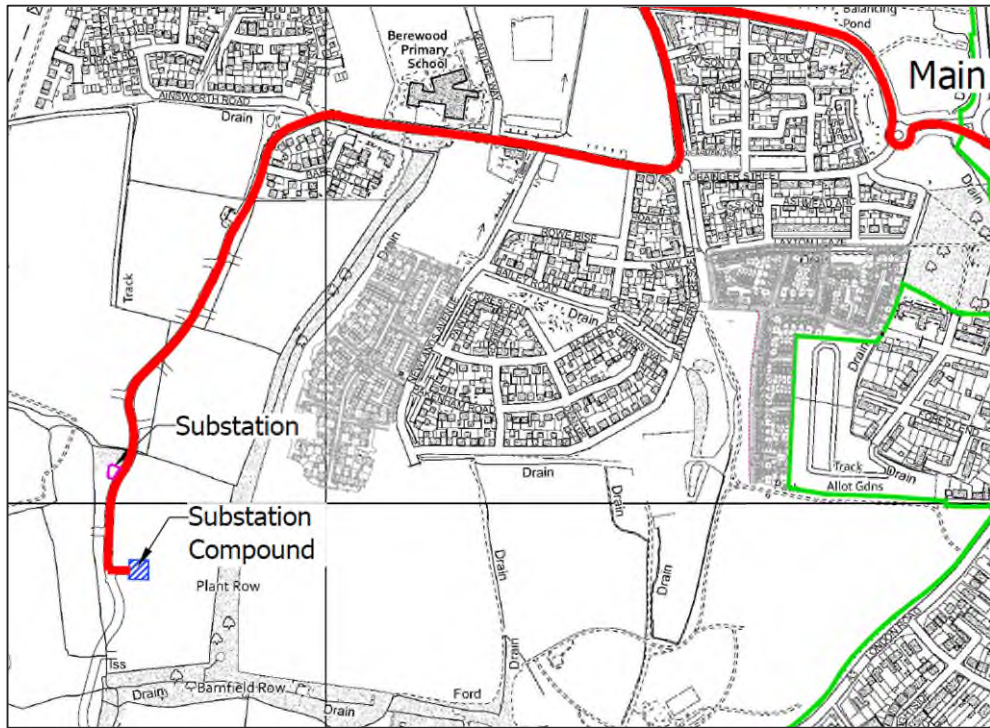


Figure 2.1 Berewood Site in Relation to Local Highway Network

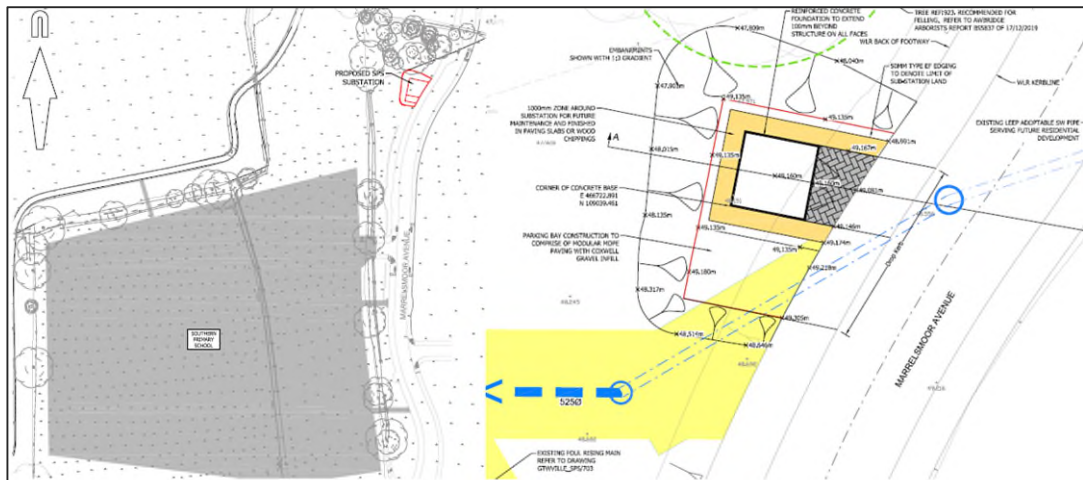
- 2.2 Works have been ongoing at the Berewood site since 2008. In this time the main Development access off Maurepas Way has been constructed, enabling Phase 1 - Linnet Rise, to be built out. A separate Design and Build contract has also been completed on the 'PRS' site in the northern section of Berewood, adjacent to the Brambles Business Centre. In addition, Berewood Primary School has been completed and works are completed and nearing completion at Phases 9a b and 10a - Elm Green to the rear of the school. Works to the Western Link Road and associated SuDs behind this area are currently in progress.
- 2.3 The Berewood Site Office has also been completed and adjacent works at 5a - Woodland Edge are in progress. Works to Phase 3b - Larkfields, adjacent to London Road have also begun.
- 2.4 Works to Phase 3a – Berewood Green have also been accessed from this portion of the site and are completed.
- 2.5 Infrastructure works have taken place which include the provision of access to the Commercial Area via a Segmental Arch Bridge. This enabled a length of River Channel to be realigned and restored to provide riverside walks & habitats. The northern pumping station, rising main and multi-use greenway which runs almost the full extent of the site, north to south have also been completed. All infrastructure works have included for the provision of stabilised haul roads, extensive drainage & SuDS features, streetlighting and associated landscaping and tree planting. All major services have been installed for developers to connect to. In addition, works are in various stages of completion within the employment land at Proxima Park to the north of the River Wallington.
- 2.6 A further access off London Road, in the southern portion of the site has also enabled Phase 2 – Yew Gardens and 13a – Oak Vale to be completed. Phase A of the Town Park works are completed as are initial works to the cricket pitch.
- 2.7 This CEMP relates to the build out works associated with the provision of the Southern Primary School Substation. This location is illustrated in **Figure 2.2:**



(DERIVED FROM MAYER BROWN DRAWING GTWVILLE_SPS/TP/03)

Figure 2.2: Location of Southern Primary School Substation and Compound

2.8 The proposed works are illustrated in **Figure 2.3:**



(DERIVED FROM MAYER BROWN DRAWING GTWVILLE_SPS/GA/01)

Figure 2.3: Southern Primary School Substation Proposed Works

Proposed Works

- 2.9 The works include for the infrastructure associated with the construction of a substation for the Southern Primary School, as illustrated above. Contract drawings and specific contractor responsibilities will be the subject of other documents. Works on site may include for, but are not limited to:
- Provision of compound facilities;
 - Provision of substation;
 - Set up of protective heras fencing and signage where required;
 - Provision and maintenance of pollution control measures;
 - Establishment of temporary wheel wash facilities as required;
 - Provision of suitable surfacing;
 - Topsoiling, grass seeding if required; and
 - Management of topsoil and subsoil in accordance with a soil management plan as required.
- 2.10 All works at Berewood to date have been undertaken with the use of a CEMP management tool in order to control and manage potential environmental impacts. It is Winchesters requirement that all phases of the works are undertaken with the application of the same management principles. The appointed contractor will therefore be required to produce their own Detailed CEMP, prior to commencement, stipulating how the requirements of the Outline will be implemented on site.

3 CEMP Objectives

3.1 The Outline CEMP will ensure that:

- all environmental safeguards are carried out correctly
- site activities are well-managed
- adverse impacts on the environment are minimised
- the biodiversity of the site is conserved or enhanced
- all relevant legislation is complied with, and
- the project is monitored for environmental impact.

3.2 The Outline CEMP fits into the overall planning process of the project by complying with the conditions attached to the planning consent by Winchester City Council.

Site Environmental Standards

3.3 Site environmental standards will be based upon the above code and will detail the minimum measures that should be achieved for general operations that fall outside the risk assessment/method statement procedure designed to cover the majority of construction activities. They will cover the following issues:

- storage of materials;
- management of waste;
- water pollution;
- noise and vibration;
- air quality; and
- ecology

3.4 The standards will be used as a briefing tool on site.

Permits and Approvals

3.5 Where required, all consents, permissions and licences will be stored **within the Contractor's Detailed CEMP**. These will also be reviewed and updated where necessary, as works progress.

Environmentally Sensitive Receptors

3.6 The CEMP includes summary information taken from the Southern Primary School Substation Updated Ecology Assessment, which is based upon the **Lindsay Carrington**

Ecological Appraisals^{1 2} for the School Site in 2018 and Phase 11B housing site in 2023, both of which include or are adjacent to the substation study area. It is required that any contractors must review the Updated Ecology Assessment in the preparation of any Construction Method Statements (CMS) required prior to works commencing. This document has been reviewed in the production of an initial Environmental Risk Assessment and subsequent Method Statements and shall also be reviewed by the contractor. All mitigations must be in place, prior to the commencement of any works. The initial Risk Assessment and Method Statements are contained within **Appendices B and C** respectively.

Flora

- 3.7 The proposed location for the construction compound is largely bare earth or compacted aggregates with scattered species. Across all areas the vegetation comprises common and widespread species and is typical of those establishing on former arable or disturbed ground within the wider Berewood development.

Fauna

- 3.8 The site has been assessed for the presence of, or potential for:
- Badgers,
 - Great Crested Newts;
 - Bats;
 - Reptiles;
 - Dormice;
 - Breeding Birds; and
 - Wintering Birds
- 3.9 The ecology update assessment states that the impacts of the construction of the substation on ecological receptors will be limited. However, there is the potential for construction activities to impact foraging badgers, foraging or commuting bats and breeding birds. It is recommended retained habitat (mature woodland to the north of the application area) is protected through the erection of Heras fencing prior to works commencing.
- 3.10 The assessment notes that the recommendations set out in the 2023 LCES report to safeguard badgers, bats and breeding birds during the construction phase are still relevant to this application. These fauna, and a summary of the required mitigations

¹ Hannam, A (2018) *Ecological Appraisal and Phase 2 Surveys, School Site, Berewood, Waterlooville, Hampshire PO7 7PS*. LC Ecological Services, Wareham.

² E, P (2023) *Ecological Appraisal Phase 11B Berewood, Waterlooville Hampshire*, LCES, Wareham.

taken from the Lindsay Carrington Ecological Appraisal are discussed below. The mitigations discussed are also set out within the Method Statements within **Appendix C**.

- 3.11 While the habitat impacted by the substation is not considered to be suitable terrestrial habitat for common reptiles, an additional safeguard is recommended relating to reptiles and amphibians as follows:

“it is recommended the initial soil strip is supervised by an Ecological Clerk of Works (ECoW). In advance of works commencing the ECoW will undertake a finger-tip search of the substation site searching for common reptiles and amphibians. Provided no animals are found during the initial search the soil can be stripped from the site under supervision. This work would be undertaken between March and October.

If common reptiles or common amphibians are found they would be moved to the closest area of retained vegetation (the new SUDS features c70 metres west of the sub-station site). If a great crested newt is found, all work in that area will cease and Natural England will be contacted.”

Badgers

- 3.12 While no evidence was found within 30m of the application area of badgers, active main setts are known to be present to the east and west of the application site. Additionally, fresh badger latrines were noted along the base of a tree line circa 40m east of the application area. It is therefore considered that the application site is highly likely to be used on occasions by both foraging and commuting badgers and recommendations are provided within **Table 5.2**.

Breeding Birds and Wintering Birds

- 3.13 The woodland to the north of the application area is suitable for nesting birds. Mitigations for Breeding Birds are provided in **Table 5.2**.

Bats

- 3.14 While the area around the substation is considered unlikely to provide a significant foraging resource for local bat populations, the hedgerows and trees within the wider site were considered to be of moderate value to foraging and commuting bats. As such, mitigations for Bats are provided in **Table 5.2**.

Topsoil

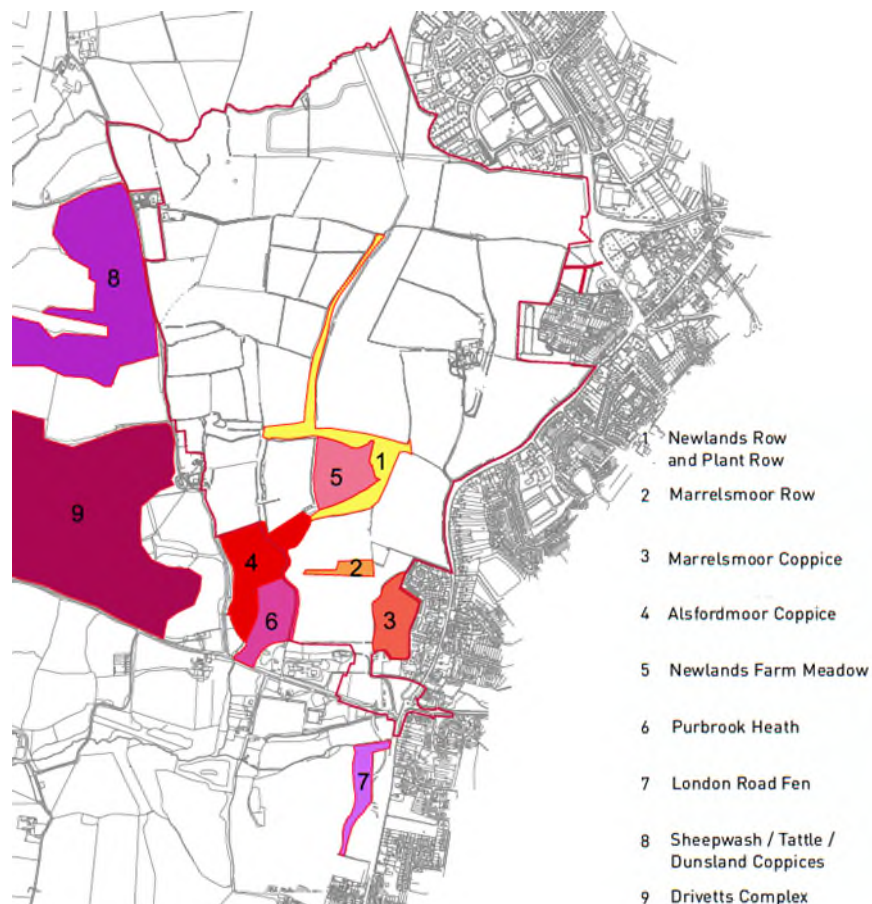
- 3.15 Where topsoil is required to be removed as part of the works, this will be undertaken and stored in accordance with the appropriate Construction Code of Practice³ and Appendix K of the Institute of Environmental Management & Assessment Guide⁴.

Archaeology

- 3.16 An archaeological Watching Brief will be maintained by the contractor to monitor the works, including topsoil stripping and excavation and to record any archaeological finds. Regular tool-box talks will be provided to operatives on procedures to follow upon encountering finds or unusual ground artefacts.

SINCs

- 3.17 Newlands Row and Plant Row Sites of Importance for Nature Conservation (SINC) lie directly adjacent to the site as indicated in **Figure 3.1**. Newlands Farm Meadow SINC lies approximately 100 metres to the southeast.



SOURCE:BIODIVERSITY BY DESIGN, NEWLANDS ENVIRONMENTAL STATEMENT 2010

³ Department for Food and Rural Affairs (2009) *Construction Code of Practice for the Sustainable Use of Soils on Construction Sites*. Defra, London.

⁴ Stapleton, C *et al* (2022) *A New Perspective on Land and Soil in Environmental Impact Assessment*, IEMA, Lincoln

Figure 3.1 SINC Locations

- 3.18 Although no direct impacts are anticipated to the nearby SINC habitats, there is a potential for indirect impacts as a result of the proximity of the works. Therefore **Table 5.2** includes matters to be addressed to avoid impacts to the adjacent woodland.

Site Operatives

- 3.19 Site operatives will be protected from construction impacts by the adherence to on-site health and safety protocols and the use of all necessary Personal Protective Equipment

Humans

- 3.20 At this stage there are no residential dwellings located in the proximity of the works. However there is a potential for transient users of the local walking routes to be temporarily affected by intrusive noises and dust.
- 3.21 There is also a potential for residents along the access route to be impacted by unacceptable levels of noise and or dust /muds from construction vehicles. Receptors will be protected by the strict application of identified mitigation measures as set out within the Method Statements within **Appendix C**.

4 Planning and Control of Construction Works

CEMP Team

- 4.1 In order to enable efficient working practices on site, a CEMP team will be identified, with specific responsibilities delegated to each member. The team members required and their responsibilities are set out below.

Title	Contact Details	Responsibilities
Client's Senior Project Manager (PM)	Chris Williams 07990379610 CWilliams@grainagerplc.co.uk	The Client's Senior Project Manager will act with responsibility for managing the Project within the agreed environmental constraints and in conjunction with all other necessary management processes.
Client's Construction Project Manager (CPM)	James Rood 07904793379 James.rood@LFPLtd.com	The Client's Construction Project Manager oversee the Contractors and will act as a facilitator on environmental concerns between the PM and the Contractor.
Client's Environmental Manager (EM)	Andrea Hughes Mayer Brown Ltd 07974198231 ahughes@mayerbrown.co.uk	The Client's Environmental Manager will liaise with the PM, CPM, ES and Contractor and will be responsible for monitoring the performance of the project against the agreed environmental standards.
Client's Environmental Specialists (ES)	Jeff Picksley Holbury Consultancy Services 07788638938 Jeff.picksley@holburycs.co.uk	The Client's Environmental specialists will be available to provide advice as required
Contractors Project Manager (CPM)	TBC	The Contractors Project Manager act with responsibility for managing the Project within the agreed environmental constraints and in conjunction with all other necessary management processes.
Contractor's Site Manager (CSM)	TBC	The Contractors Site Manager will feed back to the Contractors Project Manager and will ensure that all environmental policies addressed in the CEMP are adhered to by operatives and sub-contractors throughout the construction phase.

Contractor's Environmental Manager (CEM)	TBC	The Contractors Environmental Manager will be responsible for overall Environmental issues arising from the project
Contractor's External Relations Officer – (CERO)	TBC	The Contractors External Relations Officer will be responsible for providing a point of contact for third parties and will be kept informed of all issues which may be of interest or concern.
Subcontractor(s)	A list of subcontractors will be provided and stored within the Contractors detailed CEMP.	The Contractor will be required to monitor the environmental and health and safety performance of all subcontractors to ensure compliance with the CEMP.
Environmental Health Officer – (EHO)	EHO Admin Gemma Crowfoot Winchester City Council 01962 8400222 ext 2172 gcrowfoot@winchester.gov.uk	A representative from the Local Authority's Environmental Health Department will be invited to attend CEMP Team meetings to ensure that the project is addressing all environmental issues raised during the project planning stage
Implementation Officer – (IO)	Chris Hughes (interim) Winchester City Council 01962 848375 chughes@winchester.gov.uk	A representative from the Local Authority's Planning Services Department will be invited to attend CEMP Team meetings to ensure that the project is addressing all planning issues raised during the project planning stage
Flood and Water Manager - (FWM)	Clare Mills Hampshire County Council Clare.mills@hants.gov.uk 01962846727	A representative from the County Council will be invited to attend CEMP Team meetings to ensure that the project is addressing all issues raised during the project planning stage
Environment Agency Biodiversity Officer (BO)	George Woodward Environment Agency 01962 764938	A representative from the Environment Agency will be invited to attend CEMP Team meetings to ensure that all issues of concern to the Environment Agency are being addressed.

Table 4.1: CEMP Team and Responsibilities

Resource Management Plans

4.2 Grainger plc has a number of Key Performance Indicators that should be monitored as part of the works. These are listed in **Appendix A** and include water and diesel usage.

- 4.3 Water and diesel consumption should be continuously monitored on site and with records retained for review.

Action Plans/Method Statements

- 4.4 Where required, an Action Plan or Method Statements will be prepared by the contractor and environmental specialist to identify and sequence mitigation activities that are needed in order to complete a required site works process. They will identify reference documentation, the approval required to complete that activity and the verification documentation to be produced as evidence of satisfactory completion of the works.
- 4.5 Action Plans and Statements will include a review of the environmental risks and commitments, so that appropriate control measures can be developed and included within the construction process
- 4.6 The Plan or Statement will also identify where “cessation of works” will be required when necessary. These will be put in place when continuation of a subsequent activity is prohibited unless the former activity has been signed-off. The Plan or Statement will be broken down into appropriate categories depending on the phase of works to be carried out.
- 4.7 Where required, Action Plans and Method Statements will be identified for general site management and to deal with activities under specific types of works e.g. hedge removal, earth works.
- 4.8 Where required, all method statements will be submitted to the enforcement agencies (Environment Agency, Natural England, and Local Authority Pollution Control Department), as appropriate.
- 4.9 Any Action Plans/ Method Statements created will be saved within the contractors Detailed CEMP. It should be noted that where action plans / method statements evolve through e-mail discourse, they will be stored in this form.

CEMP Action Plan Responsibilities Statement of responsibilities The Contractor will document and nominate persons (in a management position) with responsibility for the following		
Activity	Details	Responsible Person
Acquisition of appropriate licences and permits	Where activities require that permits or licences are required on site or that permits need to be obtained from relevant authorities	Contractor's Environmental Manager Reporting to: Contractors Site Manager
Dust and noise producing activities.	Where dust and noise producing activities are taking place the appropriate mitigations will be put in place and monitored on a daily basis.	Contractor's Environmental Manager or Appropriate Person Reporting to: Contractors Site Manager
Run off producing activities	Where run off from the site has the potential to enter watercourses, mitigations should be in place to ensure this does not occur. Where consents to discharge are required these should be obtained.	Contractor's Environmental Manager or Appropriate Person Reporting to: Contractors Site Manager
Waste Producing Activities	Where activities have cause to generate waste materials including spoil and topsoil, this must be managed on site in accordance with requirements and where necessary, disposed of appropriately	Contractors Site Waste Manager Reporting to: Contractors Site Manager

Table 4.2: Action Plan Responsibilities

General Site Management	Responsible Person(s)
Implement a soil and water management plan for the site	CSWM &CEM
Install appropriate silt fences and other sediment control structures where required	CEM
Regularly check and clean silt from behind silt fences and barriers	CAP
Ensure sediment control measures are in place before starting clearing and excavation activities	CEM/CSM
Stockpile materials only in designated areas behind sediment fences	CSM & CEM
Limit vehicle entry points and stabilise vehicle access ways	CSM
Minimise disturbance to areas designated for conservation	CSM &CEM
Implement a construction site waste management plan (SWMP)	CSWM
Order only required quantities of materials	CSM
Separate recyclable from non-recyclable waste	CSWM
Ensure correct waste materials are used by site personnel	CSWM
Minimise chemicals stored on-site	CEM/CSM
Ensure personnel are aware of emergency phone numbers in case of environmental incident (Fire Brigade, Environment Agency and Pollution Control and Winchester City Council)	CSM
Keep Material Safety Data Sheets (MSDSs) on site at all times	CSM
Ensure that there are clearly marked booms or absorbent materials on-site in case of a spill	CSM
If a spill occurs, stop at source, contain it, clean up in accordance with MSDSs and notify the relevant authorities.	CEM/CSM
Damp down dusty areas as required	CSM/CAP
Minimise water use for cleaning	CSM
Sweep roads free of dirt each day	CEM/CAP
Maintain fence at site boundary	CSM/CAP
Fence off no go areas to minimise disturbance	CSM
Minimise vegetation clearance	CSM
Ensure that there is no burning of waste on-site	CSM
Instruct trucks to use the routes identified for minimal impacts on residents	CSM
Avoid parking site vehicles where they will unduly impact local use of the street	CSM
Do not place waste containers, skip bins or building materials on road or footpath – store all materials within the work site	CSM /CSWM
Limit hours of operations to those agreed	CSM
Use noise suppressors on machinery	CSM
Do not use loud radios where neighbours can be disturbed	CSM
Take appropriate care when using construction equipment in the proximity of buildings	CSM
Advise neighbouring premises of commencement date for works at least one week prior to starting, including hours of work	CSM
Protect trees during construction	CEM
Avoid harming protected species, e.g. reptiles, breeding birds	CEM

Table 4.3: Responsibilities for General Site Management

Environmental Risk Assessments

- 4.10 An initial Environmental Risk Assessment has been completed in accordance with the requirements of the CEMP and this is included within **Appendix B**. Method statements associated with the removal of the initial risks identified are included within **Appendix C**. Further risk assessments and method statements will be undertaken where required as works progress. The results of risk assessments and their residual risks will only be considered acceptable if:
- the severity of the outcome is reduced to the lowest practical level;
 - the number of risk exposures are minimised;
 - all reasonably practical mitigating measures have been undertaken; and
 - the residual risk rating is reduced to a minimum.
- 4.11 The findings of the risk assessment and in particular the necessary controls will be explained to all operatives before the commencement of the relevant tasks using an agreed instruction format.

Work Programme

- 4.12 The work programme will be completed by the Contractor's Project Manager in order to facilitate the regular monitoring of on-site activities in relation the requirements of the CEMP and this includes measures for traffic management. This will be used to identify the need for environmental risk assessments, work method statements, training and mitigation. The programmes will be stored within the Contractors Detailed CEMP.

Construction Traffic Management and Delivery Plan

- 4.13 A Southern Primary School Substation Construction Traffic Routeing Plan indicating the route to the School substation and associated compound is provided in the drawing section of this report. The appointed contractor must provide a Construction Traffic Management Plan and Delivery Plan for distribution to all operatives and delivery companies. This must contain the requirement that all construction traffic will access the Berewood site via the A3, Hulbert Road (B2150) and London Road only. It will be directed away from Hambledon Road and Purbrook Village. All contractor provided Construction Traffic Management Plans and Delivery Plans will be stored within the Contractors Detailed CEMP.

Site Compound Layout

- 4.14 An indicative compound location is provided within the Routeing Plan. Once the contractor is appointed, the detailed compound layout will be required to demonstrate the following:
- Any adjacent surface waters are protected;

- Appropriate areas for the parking and turning of operative, construction and visitor vehicles is provided;
- The compound is safe and secure;
- Areas are provided for the safe loading and unloading and storage of plant and materials;
- Areas are provided for the storage of waste in clearly signed and appropriate sized containers;
- Areas are provided for the safe and contained storage of fuel and the refuelling of plant. These must be at a minimum of 30m from the edge of the woodland, on impermeable ground and equipped with appropriate spill kits and fire extinguishers;
- Suitable provision of:
 - An oasis (self-contained Portakabin)
 - Portaloo
 - Container
 - Heras fencing around works and compound

Training, Awareness and Competence

- 4.15 The raising of environmental awareness is viewed as a crucial element in the appreciation and implementation of the CEMP. In order to make sure the environmental control measures are effective, all staff will be provided with the following training before starting work on site.
- a site induction;
 - emergency response training;
 - familiarisation with site environmental controls; and
 - specific environmental training for relevant employees e.g. installing erosion and sedimentation controls, daily checks to maintain controls, cleaning up spills.
- 4.16 Training for all personnel will be completed before commencement of the associated construction activities and a record of this will be kept within the Contractors Detailed CEMP along with a copy of the induction material. Line managers and supervisors will ensure that all personnel engaged in activities that may have an impact on the environment are competent to carry out their duties or, where necessary, arrange for suitable training to be undertaken.

5 Work Activities, Potential Impacts and Mitigations Required

- 5.1 Prior to construction, the Contractors site management team and the Clients Environmental Manager will review the planned phases of works alongside the potentially affected receptors for potential impacts. i.e. the potential for the creation of a source, receptor pathway impact model will be assessed. Where potential impacts are identified, the mitigation required to prevent these will be identified along with the associated team responsibilities.
- 5.2 Main activities, potential impacts and controls for the above phases are set out within the matrix in **Table 5.1** below. Further detailed mitigations are contained within the Lindsay Carrington Ecological Appraisal which is summarised in **Section 3**.

Source Activity	Impact Pathways and Receptors			Actions & Responsibilities
	Nature Conservation	Air	Water	
Removal of topsoil	Death or disturbance of in-situ sheltering or foraging fauna ^{2,3,5,}	Creation of dust impacting on site and off site receptors and flora and fauna ^{1, 6, 7, 8, 9, 10, 11, 12, 13, 22, 23, 24, 25,}	Pollution impacts via run off ^{18, 19, 20, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35}	Clients Environmental Specialists (ES) to obtain any appropriate licences and ensure Contractors undertake appropriate action prior to disturbing activities. All activities to be recorded by EM AP to ensure appropriate dust and noise control mitigations in place and report to EM on weekly basis. Where appropriate CEM will advise Contractors External Relations Officer) CERO to contact public. CSM/CAP to file weekly report with EM
Establishment of site compound units, setting up of fencing and access routes.	Lighting impacts upon bats and other nocturnal species ⁴	Noise impacts upon on site and off site receptors ^{1, 13, 14, 15, 16, 17,}	Potential for the migration of liquids from storage areas impacting on site and off site flora and fauna ^{28, 29, 30, 31, 32, 33, 34, 35}	
Establishment and maintenance of existing drainage and pollution control measures including wheel wash facilities.	Damage to adjacent trees and woodland ³⁶	Noise impacts upon on site fauna ^{1, 14, 15, 16,}		
Provision of Substation	Loss or damage to topsoil and subsoils ^{37.}	Potential for migration of dust from active and storage areas impacting on site and off site receptors and flora and fauna ^{6, 7, 10,}		
Topsoiling, grass seeding where required.	Negative impact on local SINC habitats. ^{6,7,8,9,10,11, 12,36, 38}			

N.B. Subscript numbers refer to mitigation measures as set out in Table 5.2

Table 5.1: Impacts Identification and Mitigation Matrix

5.3 Where the above activities are identified as potentially creating a source-receptor-pathway impact model, these activities will be associated with mitigation measures such as those below in **Table 5.2**. When applied, the mitigation will break these links and prevent incidents of pollution, nuisance and non-conformance.

Number	Mitigation Measure
1	<p>Appropriate space to be provided for parking and turning of operative, construction and visitor vehicles.</p> <p>Appropriate construction routeing to be set out for construction traffic within the contractors Construction Traffic Routeing Plan</p>
2	<p>The following measures are set out within the Method Statement 1 of Appendix C</p> <p>For the protection of Reptiles and Amphibians</p> <p>Fatalities will be avoided within the working area as set out below :</p> <p>The initial soil strip should be supervised by an Ecological Clerk of Works (ECoW). In advance of works commencing the ECoW will undertake a finger-tip search of the substation site searching for common reptiles and amphibians. Provided no animals are found during the initial search the soil can be stripped from the site under supervision. This work should be undertaken between March and October.</p> <p>If reptiles or common amphibians are found, they should be moved to the closest area of retained vegetation (the new SUDS features circa 70m west of the substation site.)</p> <p>If a great crested newt is found, all work in that area should cease until Natural England are contacted.</p> <p>Any trenches that are required as part of the works will be covered over for the night. If this is not possible the</p>

trenches will have sloping sides to ensure that if any newts enter the trenches at night that they can escape. If newts are present within the trenches when construction starts an ecologist will be contacted and the newt moved away from the works area.

Materials and any arisings will be kept off the ground through the use of skips or pallets.

For the protection of Birds:

- The clearance of any suitable nesting habitat should where possible be undertaken outside of the bird nesting season, which is considered to extend from the 1st March to the 31st August;
- If this is not possible, clearance must be done under the supervision of an ecologist to ensure that nesting birds are not harmed.
- Where nesting birds are encountered, clearance and/or demolition must be postponed until nestlings have fledged.

For the protection of Badgers:

- Install fencing in areas where it is important to exclude badgers for safety reasons e.g. fuel storage areas;
- Temporarily fence any piles of material that are to be on site for a significant period of time to prevent badgers from accessing the fresh soil;
- Minimise night-working to avoid disturbance to badgers;
- Where possible excavations should not be left open overnight. However, if excavations are left open at night, then an earth / wooden ramps must be installed to allow any animals that fall in to escape.

	<p>Work areas would be checked daily to ensure no animals are trapped;</p> <ul style="list-style-type: none"> Cap any pipes over-night on site to avoid animals becoming trapped <p>For the protection of Bats</p> <p>Appropriate lighting procedures will be followed as per Number 4 of this table.</p>
3	<p>If necessary, ploughing of ground to take place prior to nesting season to discourage ground nesting birds and vegetation shall be kept short thereafter until works are completed</p>
4	<p>Where construction site lighting is required, the following measures will be applied:</p> <ul style="list-style-type: none"> Directing lighting to only where it is needed away from the hedgerows and trees. Selection and design of the lighting systems and by using accessories such as cowls or hoods to minimise light spill and direct light only to where it is needed. Using light sources that emit minimal ultra-violet light, peak higher than 550nm and be of a warm/neutral colour <2,700 kelvin. LED luminaires should be used where possible. All security lighting will be on a timer and only triggered at waist height.
5	<p>Any spoil heaps to be regularly sprayed and cut with cuttings removed before any significant vegetation can establish</p>
6	<p>Vehicles carrying dusty materials to be suitably covered.</p>
7	<p>Site roads to be swept and sprayed with water to prevent dust nuisance.</p>
8	<p>Activities that have the potential to generate dust to be sited in such a way to minimise dust nuisance to sensitive receptors.</p>

9	Activities found to be generating dust in conditions where dust being spread may affect the public to be stopped, rescheduled or mitigated.
10	All supervisors to be familiar with the provisions of IAQM 'Guidance on the Assessment of Dust from Demolition and Construction'
11	All plant to be fitted with diesel particulate filters.
12	Site vehicles to be preferentially sought to have vertical exhausts to limit surface dust re-suspension.
13	All vehicle drivers to be acquainted with agreed haulage routes selected to minimise any air quality impact arising from additional lorry movements.
14	All supervisors to be familiar with provisions of BS5228, & advised on noise minimisation.
15	Working hours are: Monday to Friday - 0800hrs to 18:00hrs Saturday - 08:00hrs to 13:00hrs Sundays and Bank Holidays - No work on site is permitted
16	Silencers or mufflers as appropriate to be fitted to plant and machinery.
17	Letter drops to surrounding residential areas to warn of particularly noisy periods of works.
18	Systems of temporary drainage must be installed to ensure that no polluted surface runoff enters the filed drains. Any surface water collected to be directed via treatment before discharge.
19	Any existing surface water drains to be bunded to ensure that no surface water enters them.
20	Where any pesticide use is required, refer to the strict requirements for notification of relevant bodies, secure storage, transportation, use and competences required, as set out in the Landscape Maintenance and Management Plan.
21	Where possible over-site hard standing to be retained & haul routes to be hard surfaced.

22	All vehicles leaving the site where necessary to be subjected to wheel washing.
23	All materials and spoil to be stored on site to be sheeted or damped down as appropriate in dry weather to reduce dust.
24	Stockpiling to be in accordance with best practice as in the Environment Agency's PPG6 (now rescinded) and CIRIA guidance
25	Stockpiles of materials not suitable for on-site re-use to be removed as soon as is practicable in accordance with applicable waste management legislation.
26	Fuels and chemicals to be stored in accordance with the Environment Agency's PPG6 (now rescinded) and CIRIA guidance
27	All tanks and containers to be labelled with nature of contents and total volume secured.
28	Fuel storage and delivery facilities to be on impermeable surface in a secondary containment system.
29	Provision of spill kits at all storage areas & provision of emergency response numbers.
30	Biodegradable hydraulic oil to be used for machinery/plant where possible and all relevant plant to be fitted with drip trays.
31	All deliveries to be supervised and levels of tanks checked before delivery.
32	Stockpiles to be sited so as not be subject to inundation during extreme rainfall events.
33	Contingency plan required for temporary covering of stockpiles during adverse weather conditions.
34	Sorted & screened material to be placed on a prepared clean granular surfacing.
35	Supervisors to be familiar with the provisions of the Environment Agency's PPG6 (now rescinded) and CIRIA Guidance re control of contaminated run off.
36	Trees and woodland will be protected in accordance with the British Standards Institute (2012) Trees in Relation of

	Design, Demolition and Construction - Recommendations BS5837:2012
37	Where topsoil is required to be removed as part of the works, this will be undertaken and stored in accordance with the Construction Code of Practice for the Sustainable Use of Soils on Construction Sites and Appendix K of the Institute of Environmental Management & Assessment Guide 'A New Perspective on Land and Soil in Environmental Impact Assessment'
38	In agreement with the project ecologist, designated re-fuelling areas must be a minimum of 30m from the edge of the woodland and refuelling may only be undertaken by suitably trained operatives, and with the use of spill kits and fuel nappies.

Table 5.2: Mitigation Measures

6 Communication and Coordination

Supervision of Construction Activities

- 6.1 All construction and installation activities, including those carried out by subcontractors and suppliers will be supervised or regularly checked through the completion of site inspections, by the Contractor's Environmental Manager, to ensure that requirements identified in risk assessments or method statements have been implemented. The frequency and extent of this supervision will vary according to the degree of competence displayed by the workforce and the level of risk to the environment. Records of Sub Contractors will be saved within the Contractors Detailed CEMP.

Environmental Inspection and Reporting

- 6.2 Client appointed representatives or 'Appropriate Personnel' will carry out regular inspections of the construction area, to verify that housekeeping or supporting controls are being implemented effectively. These inspections will use the site environmental standards (see **Section 3**) as the minimum standards that should be achieved, with necessary actions being recorded and raised at progress meetings. They will also be required to implement and undertake monitoring and review of the Contractors Construction Traffic Management Plan which will be saved within the Contractors Detailed CEMP.

Environmental Inspection and Reporting

- 6.3 The Contractor's Environmental Manager will carry out regular inspections of the project's environmental performance, based upon site visits and reports from the Clients Appropriate Personnel.
- 6.4 These inspections will be used to confirm that:
- construction works are progressing in accordance with the agreed environmental method statements;
 - agreed protection or mitigation measures are in place, prior to or during the implementation of construction activities; and
 - all mitigation measures in place are appropriately maintained.
- 6.5 A site visit inspection will occur upon site set-up, with a further inspection occurring during the build programme. An assessment of the environmental performance will be made and discussed at progress meetings and inspections will be recorded within the Contractors Detailed CEMP.

Environmental Monitoring

6.6 Monitoring of noise, vibration, dust and water quality will be carried out in accordance with the specialist environmental procedures and environmental commitments made where required. The Environmental Manager will maintain a register of all formal environmental monitoring within the Contractors Detailed CEMP.

Control of non-conformance

6.7 Where the Clients Environmental Manager identified non conformance with the requirements of the Outline CEMP, this will initiate a Non-Conformance Report, which will identify the nature of the problem, the proposed corrective action, action taken to prevent recurrence of the problem and verification that the agreed actions have been carried out. Records of Non-conformance will be saved within **the Contractors Detailed CEMP**.

Non Conformance Report
Date:
Issue raised by:
Potential Impact:
Relevant personnel informed: (details)
Corrective action applied: (details)
Supervisor Signature:
Site Manager's Signature:

Table 6.1: Non Conformance Template

Internal Communications

6.8 Internal project communications will be via two processes:

- weekly team meetings; and
- fortnightly progress meetings – to be agreed.

Weekly Team Meetings

6.9 Weekly meetings will be held by the Contractors team to review performance and co-ordinate short-term planning of forthcoming activities. Close review of the Outline and/or Detailed CEMP or prior discussion with the Client's Environmental Manager should feed into these meetings to ensure that all planned activities are proceeding in accordance with the permits, conditions, action plans and method statements therein.

Progress Meetings

6.10 Environmental issues will be discussed at progress meetings, attended by the Contractor's Environmental Manager, relevant sub-contractors environmental representatives and when necessary, environment specialists and representatives from Statutory Consultees. The Client's Environmental Manager will report on inspections made and any non-conformances noted as well as discussing the implications of any proposed activities. Issues to be discussed may include:

- planned actions required to mitigate forthcoming risks;
- disseminate best practice; and
- communications with the public

6.11 Where appropriate, a Project Community Liaison Plan will be established to provide a framework for managing communications with local residents and interested parties.

Audit and Review of Performance

Internal Project Audits

6.12 The Contractor will be required to demonstrate that an appropriate method of auditing the CEMP processes via an internal or external auditing procedure is taking place. Provision of evidence that the agreed auditing procedure has taken place will be a requirement of regular reporting to the Client's Environmental Manager from the Client's 'Appropriate Person' (AP) and meetings between the Contractors Project Manager and the Client's Project Manager. The Contractor's Environmental Manager will be required to provide a report at each progress meeting and a record of these will be saved within **the Contractors Detailed CEMP.**

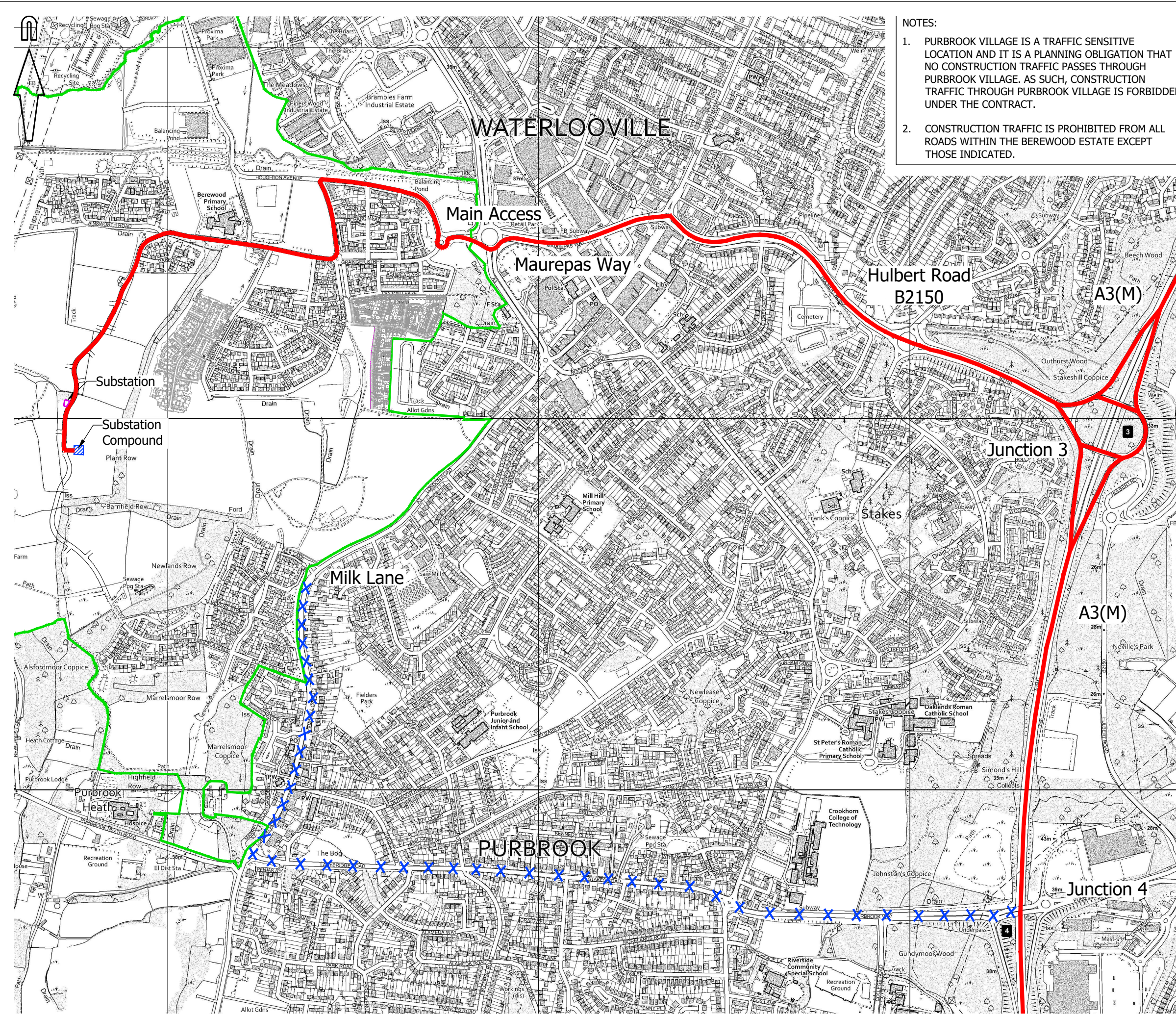
6.13 The reports will be required to include information on the following issues, where appropriate:

Audit Report	Yes	NO
1. Is all resource management being recorded?		
2. Are any amendments required to the current Construction Traffic Routeing Plan?		
3. Is any action planning required to accommodate upcoming works?		
4. What is the current status of the site tree protection?		
5. Have there been any recorded finds or UXB/OXB incidents?		
6. Is the Construction SWMP up to date?		
7. Are any further permits or approvals required?		
8. Has any environmental monitoring taken place? E.g. noise.		
9. Is any update required to the current sub-contractor list?		
10. Have any environmental tool box talks taken place?		
11. Have all new staff been inducted?		
12. Have there been any incidents of Non Conformance?		
13. Have there been any (verbal or written) complaints from nearby residents, Local Authority or the Environment Agency in relation to site activities such as noise, dust, traffic, dirt trucked on roads, or storm water pollution? If yes detail complaints and response to them.		
14. Have there been any incidents on site such as spills, chemicals or fuel? If yes describe what happened and what action has been taken.		
15. Are there any other environmentally related issues to be reported?		

Table 6.2: Example CEMP Audit Report

6.14 A Site Waste Management Plan will also be maintained by the contractor and stored within the Contractors detailed CEMP.

DRAWINGS



- NOTES:
- PURBROOK VILLAGE IS A TRAFFIC SENSITIVE LOCATION AND IT IS A PLANNING OBLIGATION THAT NO CONSTRUCTION TRAFFIC PASSES THROUGH PURBROOK VILLAGE. AS SUCH, CONSTRUCTION TRAFFIC THROUGH PURBROOK VILLAGE IS FORBIDDEN UNDER THE CONTRACT.
 - CONSTRUCTION TRAFFIC IS PROHIBITED FROM ALL ROADS WITHIN THE BEREWOOD ESTATE EXCEPT THOSE INDICATED.

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A3 ORIGINAL

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- KEY:
- 2-WAY CONSTRUCTION TRAFFIC TO SPS SUBSTATION
 - XXXX NO CONSTRUCTION TRAFFIC PERMITTED
 - ANTICIPATED COMPOUND LOCATION
 - PROPOSED SUBSTATION
 - BEREWOOD SITE BOUNDARY



FOR INFORMATION
NOT FOR CONSTRUCTION

rev.	amendment	checked	date

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 Oriental Road Woking Surrey GU22 8AR
 Telephone 01483 750 508 Fax 01483 750 437
 wokingoffice@mayerbrown.co.uk www.mayerbrown.co.uk

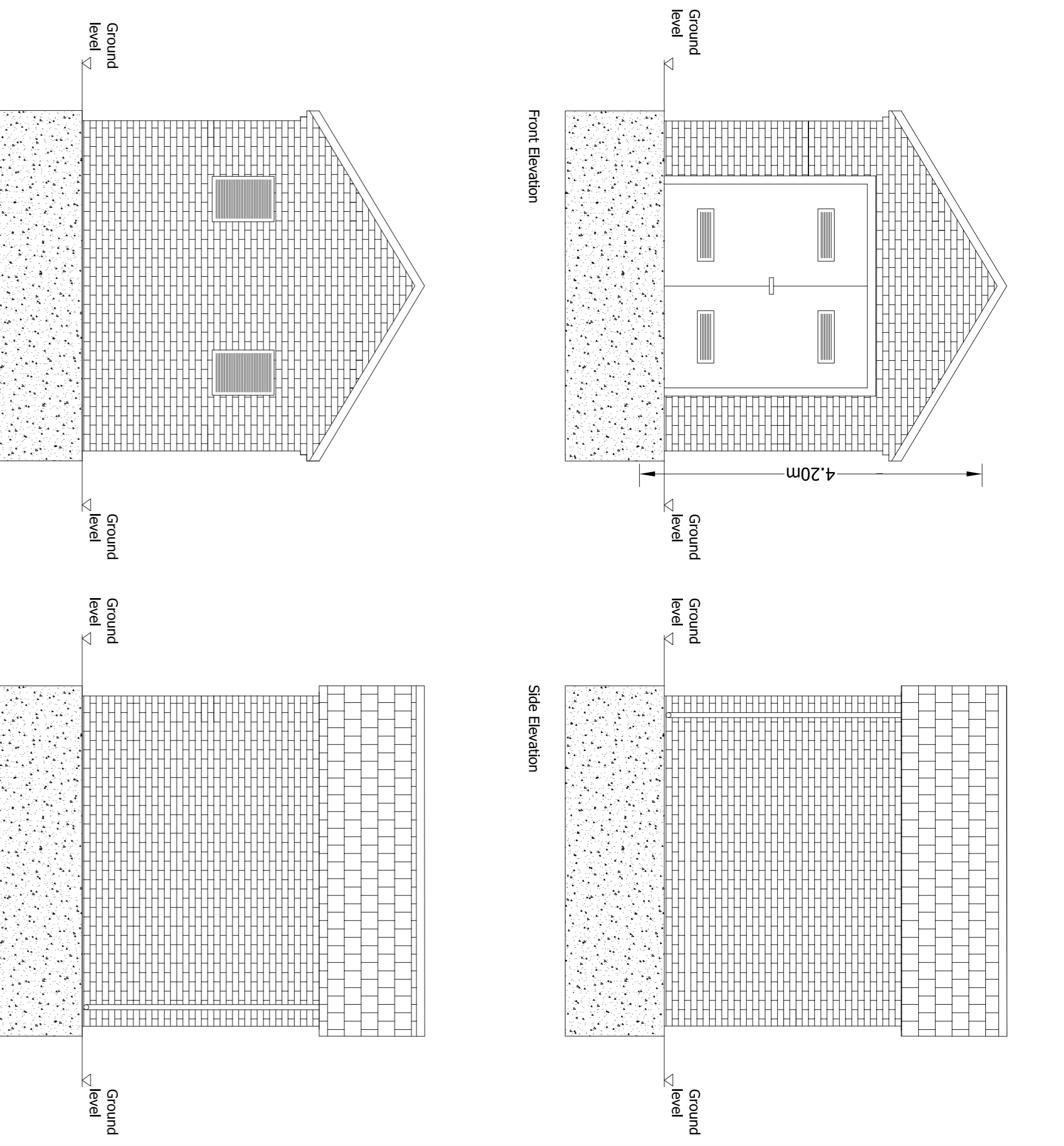
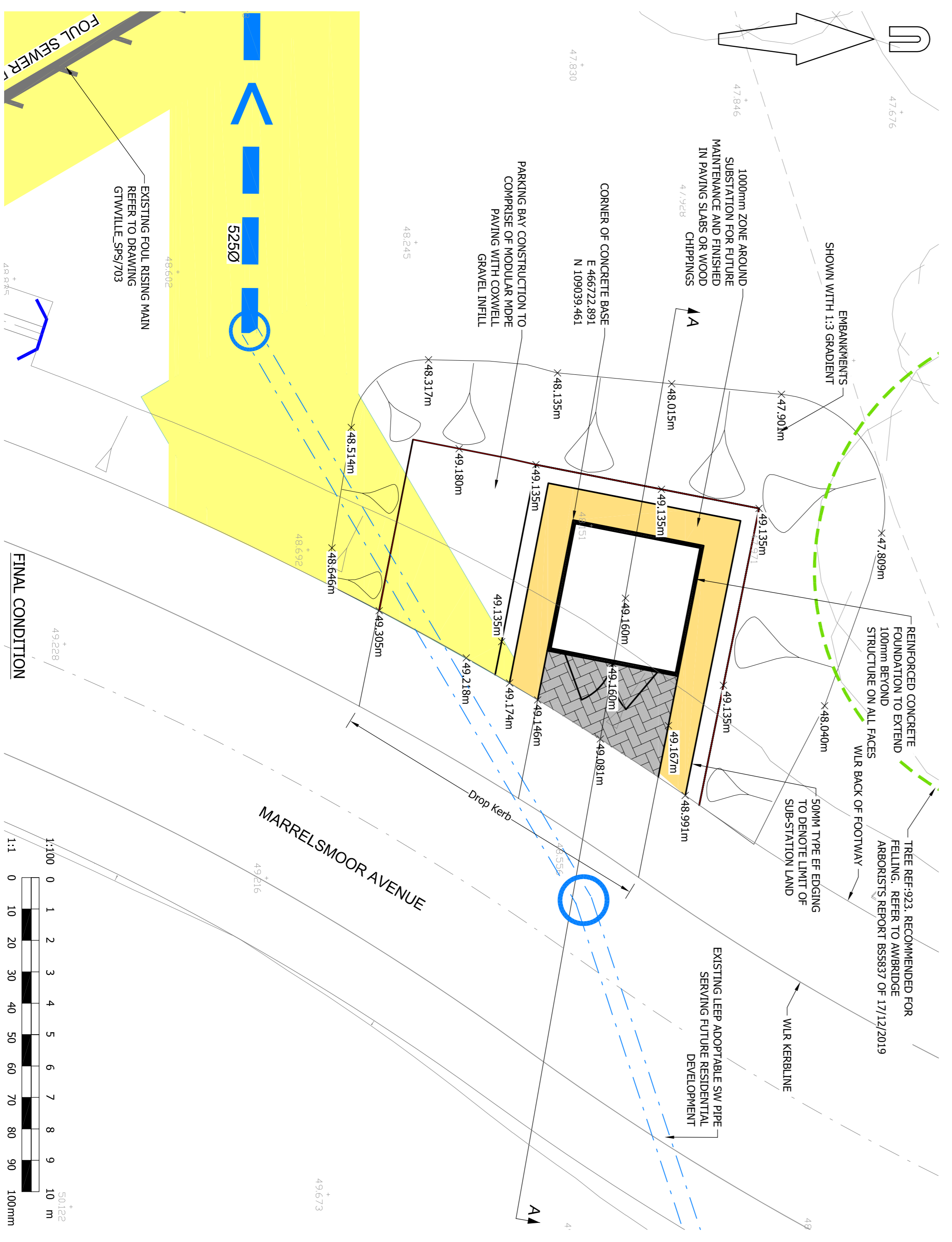
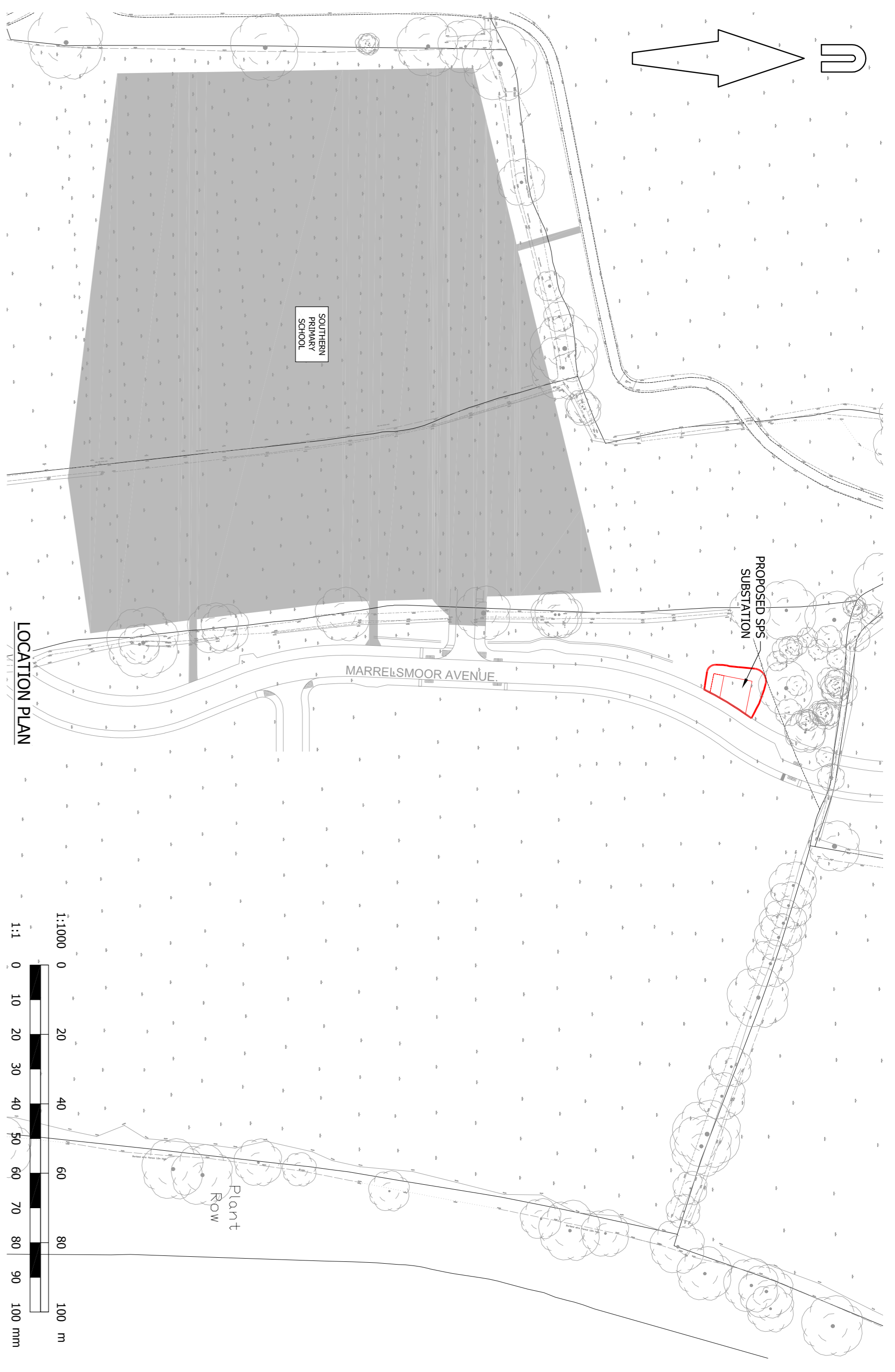
client **grainger plc** Investing in homes since 1912

project
 BEREWOOD, WATERLOOVILLE
 SOUTHERN PRIMARY SCHOOL

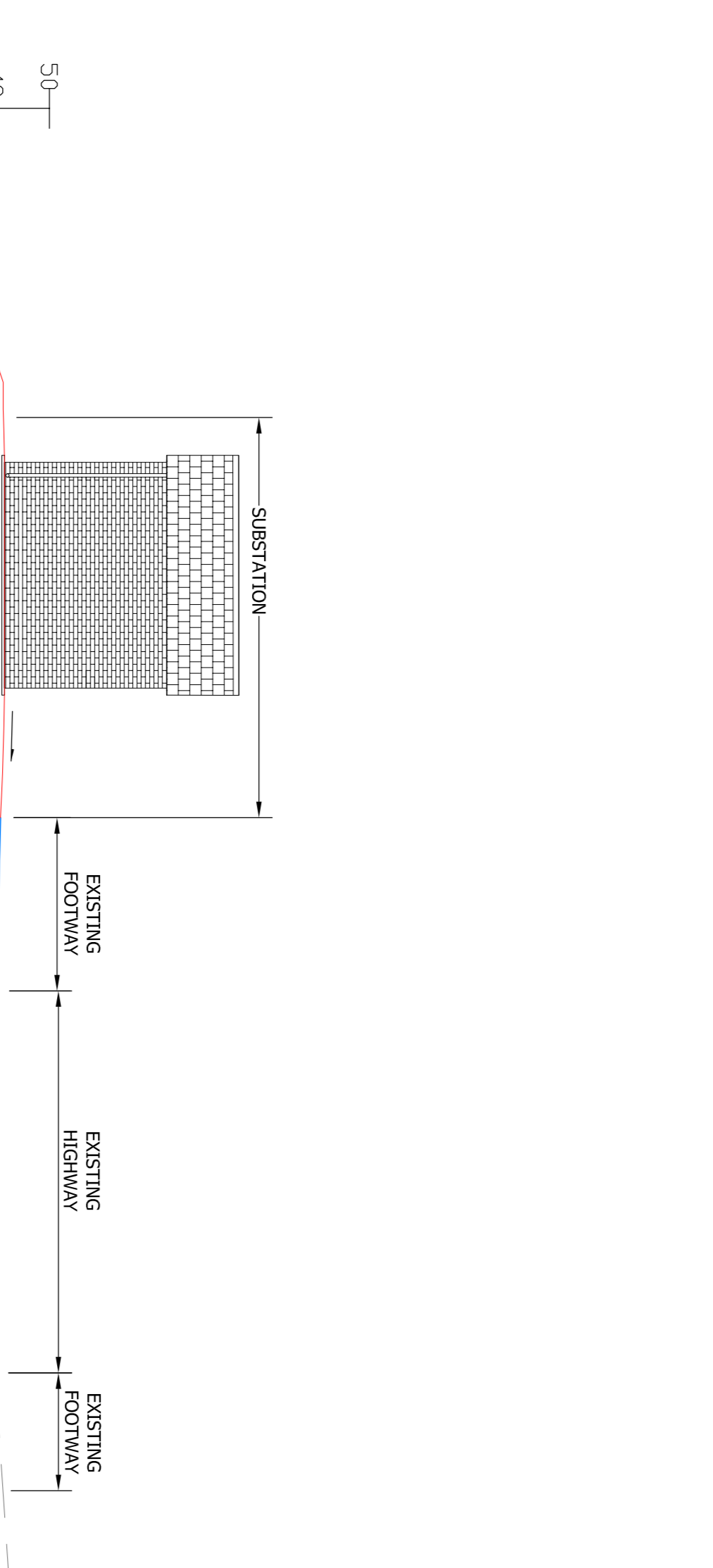
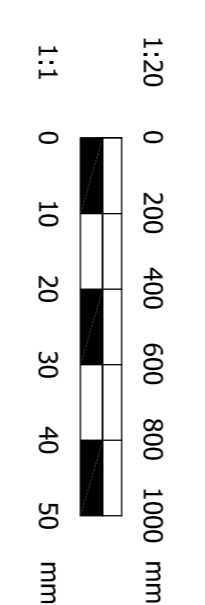
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date NOVEMBER 2023	cad file TP_03.dwg		

title
 SUBSTATION
 CONSTRUCTION ROUTE PLAN

drawing number **GTWVILLE_SPS/TP/03** rev.



PROPOSED SUBSTATION FINISHES



SECTION A-A



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A1 ORIGINAL

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NOTES:

1. Refer to GTC Drawing Reference GTC-E-SS-0012_R1-7_1 for further details of the substation construction.
2. The proposed external brickwork will be red brick (stock Multi Colours) with white painted doors and vents on the substation to be painted black. RAL 9005.
3. All proposed roof tiles will be Siga 39 Natural Slate or similar.
4. Refer to GTC Specification Ref: EIND012 for further details.
5. Substation will be constructed prior to completion of School.
6. Substation will be commissioned following completion of installation of cables on section of proposed Marrelsmoor Ave.
7. Southern Primary School is shown for information only and is subject to a separate planning application.

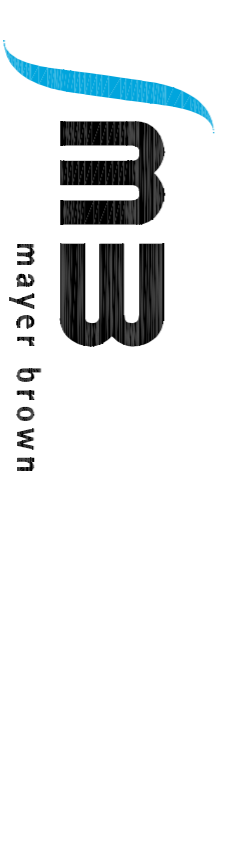
KEY

- BLOCK PAVED SURFACE (TO GTC SPECIFICATION)
- SUBSTATION SURROUND (BREEDON GRAVEL OR SIMILAR APPROVED)
- SPS SUBSTATION BOUNDARY
- 6m DRAINAGE EASEMENT



FOR APPROVAL
NOT FOR CONSTRUCTION

rev.	amendment	checked	date
A	Layout updated in coordination with GTC	RHA	13/09/2024



Mayer Brown Limited, Lion House, Oriental Road, Sandy, GU22 7JG, UK
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project: BEREWOOD, WATERLOOVILLE
SOUTHERN PRIMARY SCHOOL

date	scale	drawn by	checked by
JANUARY 2024	AS SHOWN	NT	RHA

drawing number: GTWVILLE_SPS/GA/01
rev. A

APPENDIX A: Grainger Key Performance Indicators

1. GRAINGER KEY PERFORMANCE INDICATORS

- 1.1 Grainger have indicated the following Key Performance Indicators which they wish to be examined as part of the enabling works:
- Percentage of construction waste by destination (recycled, landfilled, reused).
 - Proportion of recycled materials in new developments.
 - Water consumption at construction sites (litres)
 - Litres of diesel used on development sites
 - Percentage of major sites registered with Considerate Constructors Scheme. (Benchmark: Achieve registration at all major sites).
 - Considerate Constructors Scheme score of registered sites. (Benchmark: Aspire to 32)
- 1.2 The percentage of construction waste by destination and the proportion of recycled materials used will be recorded within the Contractors Detailed CEMP on at least a fortnightly basis.
- 1.3 Water and diesel consumption will be continuously monitored on site and will be recorded within the Contractors Detailed CEMP on at least a fortnightly basis.
- 1.4 The site will be registered with the Considerate Constructors Scheme and will be assessed by an independent CCS examiner.

APPENDIX B: Environmental Risk Assessment

Environmental Risk Assessment Form

Site Address:

Southern Primary School Substation
 Berewood
 Waterlooville

Completed by:

Rebecca Kingston / Andrea Hughes – Southern Primary School Substation -
 Construction Environmental Management Plan Authors
 Based upon the findings of the mitigation matrix (Table 5.1 and 5.2 of Southern
 Primary School – Substation CEMP)

Hazards	
1. Death or disturbance of in-situ sheltering fauna including breeding birds; 2. Lighting impacts upon bats and other nocturnal species and adjacent residents; 3. Creation of dust impacting on-site and off-site personnel and flora and fauna; 4. Noise impacts upon on-site and off-site personnel and site fauna; and 5. Pollution impacts to adjacent drains and streams, on-site off-site flora and fauna; local residents via run off and/or migration of liquids from storage areas; and 6. Damage to adjacent trees, woodlands and or SINC 7. Loss or damage to topsoils and subsoils	
Those at risk	Foraging badgers, bats and breeding/wintering birds, reptiles and SINC. On site-personnel. Off site adjacent walkers.

Current control measures
1. Adherence to mitigations 2, 3 and 5 within CEMP Table 5.2 – see Method Statement no. 1; 2. Adherence to mitigation 4 within CEMP Table 5.2 and Appendix A5– see Method Statement no. 2; 3. Adherence to mitigations 1, 6, 7, 8, 9, 10, 11, 12, 13, 22, 23, 24 and 25 within CEMP Table 5.2 – see Method Statement no. 3 4. Adherence to mitigations 1, 13, 14, 15, 16 and 17 within CEMP Table 5.2 – see Method Statement no. 4 5. Adherence to mitigations 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34 and 35 within CEMP Table 5.2 – see Method Statement no. 5 6. Adherence to mitigation 36 in CEMP Table 5.2 and requirement for consultation with project arboriculturalists to establish appropriate protections and compound distances prior to works commencing. 7. Adherence to mitigations 37 and 38 in CEMP Table 5.2 In addition. <ul style="list-style-type: none"> • Weekly review of programme by Contractors Site Manager /Environmental Manager to identify any amendments required to existing mitigations; • Regular environmental tool-box talks to site operatives; • Weekly inspections by Contractors Environmental Manager or Appointed Person to ensure all mitigations are in place and active.

Southern Primary School Substation, Berewood Waterloooville
 Environmental Risk Assessment: April 2024

With these controls the risk is (highlight)	Unacceptable	Further controls required	Adequately controlled
---	--------------	---------------------------	-----------------------

Further control measures required List further action needed to adequately control risks None required

Date	16/04/24				
Initial	AH				

Use a new box each time this assessment is reviewed

APPENDIX C: Environmental Method Statements

Method Statement 1

Control of death or disturbance of in-situ sheltering or foraging fauna

Site Address:

Southern Primary School Substation
Berewood
Waterlooville

Completed by:

Rebecca Kingston / Andrea Hughes – Southern Primary School Construction Environmental Management Plan Authors. Based upon Mitigation Matrix findings (Table 5.1 and 5.2 of Southern Primary School Substation CEMP)

Risk Activities/Tasks
Establishment of site compound and facilities including protective heras fencing and signage where required. Provision and maintenance of drainage and pollution control measures plus temporary wheel wash facilities as required. Provision of substation and suitable landscaping and access as required.

Actions Required
<p>Appropriate space to be provided for parking and turning of operative, construction and visitor vehicles. Appropriate construction routing to be set out for construction traffic within a Construction Traffic Routing Plan.</p> <p>For the protection of Bats and other nocturnal fauna:</p> <p>Where construction site lighting is required, lights will be fitted with cowls, emit minimal ultra-violet light and be of a warm, neutral colour. Lights must be directed away from adjacent trees and hedgerows. See Method Statement 2</p> <p>For the protection of Breeding Birds:</p> <ul style="list-style-type: none">The clearance of any suitable nesting habitat should where possible be undertaken outside of the bird nesting season, which is considered to extend from the 1st March to the 31st August;

- If this is not possible, clearance must be done under the supervision of an ecologist to ensure that nesting birds are not harmed.
- Where nesting birds are encountered, clearance and/or demolition must be postponed until nestlings have fledged.

For the protection of Reptiles

- The initial soil strip should be supervised by an Ecological Clerk of Works (ECoW). In advance of works commencing the ECoW will undertake a fingertip search of the substation site searching for common reptiles and amphibians. Provided no animals are found during the initial search the soil can be stripped from the site under supervision. This work should be undertaken between March and October.
- If reptiles or common amphibians are found they should be moved to the closest area of retained vegetation (the new SUDS features circa 70m west of the substation site.)
- If a great crested newt is found, all work in that area should cease until Natural England are contacted.
- Any trenches that are required as part of the works will be covered over for the night. If this is not possible the trenches will have sloping sides to ensure that if any newts enter the trenches at night that they can escape. If newts are present within the trenches when construction starts an ecologist will be contacted and the newt moved away from the works area.
- Materials and any arisings will be kept off the ground through the use of skips or pallets.

For the Protection of Badgers

- Install fencing in areas where it is important to exclude badgers for safety reasons e.g. fuel storage areas;
- Temporarily fence any piles of material that are to be on site for a significant period of time to prevent badgers from accessing the fresh soil;
- Minimise night-working to avoid disturbance to badgers;
- Where possible excavations should not be left open overnight. However, if excavations are left open at night, then an earth / wooden ramps must

be installed to allow any animals that fall in to escape. Work areas would be checked daily to ensure no animals are trapped.

- Cap any pipes over-night on site to avoid animals becoming trapped.

See Method statement 2 re control of construction lighting to be observed;

See Method statement 3 re control of dust to be observed; and

See Method statement 4 re control of noise to be observed.

Method Statement 2

Control of lighting impacts upon bats, nocturnal species and adjacent residents

Site Address

Southern Primary School Substation
Berewood
Waterlooville

Completed by:

Rebecca Kingston / Andrea Hughes – Southern Primary School Substation - Construction Environmental Management Plan Authors. Based upon Mitigation Matrix findings (Table 5.1 and 5.2 of Southern Primary School Substation CEMP)

Risk Activities/Tasks
Establishment of site compound and facilities including protective heras fencing and signage where required. Provision and maintenance of drainage and pollution control measures plus temporary wheel wash facilities as required. Provision of substation and suitable landscaping and access as required.

Actions Required
<ul style="list-style-type: none">• Where construction site lighting is required, the following measures will be applied:• Directing lighting to only where it is needed away from the hedgerows and trees.• Selection and design of the lighting systems and by using accessories such as cowls or hoods to minimise light spill and direct light only to where it is needed.• Using light sources that emit minimal ultra-violet light, peak higher than 550nm and be of a warm/neutral colour <2,700 kelvin.• LED luminaires should be used where possible.• All security lighting will be on a timer and only triggered at waist height.

Method Statement 3

Creation of dust impacting on-site and off-site personnel and flora and fauna

Site Address:

Southern Primary School
Berewood
Waterlooville

Completed by:

Rebecca Kingston / Andrea Hughes – Southern Primary School Substation - Construction Environmental Management Plan Authors. Based upon Mitigation Matrix findings (Table 5.1 and 5.2 of Southern Primary School Substation CEMP)

Risk Activities/Tasks
Establishment of site compound and facilities including protective heras fencing and signage where required. Provision and maintenance of drainage and pollution control measures plus temporary wheel wash facilities as required. Provision of substation and suitable landscaping and access as required.

Actions Required
<ul style="list-style-type: none">• Appropriate space to be provided for parking and turning of operative, construction and visitor vehicles. Appropriate construction routing to be set out for construction traffic within the Contractors Construction Traffic Management Plan.• Vehicles carrying dusty materials to be suitably covered.• Site roads to be swept and sprayed with water to prevent dust nuisance.• Recycling activities that have the potential to generate dust to be sited in such a way to minimise dust nuisance to sensitive receptors;• Activities found to be generating dust in conditions where dust being spread may affect the public to be stopped, rescheduled or mitigated.• All supervisors to be familiar with the provisions of IAQM 'Guidance on the Assessment of Dust from Demolition and Construction'• All plant to be fitted with diesel particulate filters.• Site vehicles to be preferentially sought to have vertical exhausts to limit surface dust re-suspension.

- All vehicles leaving the site to be subjected to wheel washing where necessary.
- All materials and spoil to be stored on site to be sheeted or damped down as appropriate in dry weather to reduce dust.
- Stockpiling to be in accordance with CIRIA 'Environmental good practice guide on site (4th edition).
- Stockpiles of materials not suitable for on-site re-use to be removed as soon as is practicable in accordance with applicable waste management legislation.

Method Statement 4

Control of noise impacts upon on-site and off-site personnel

Site Address:

Southern Primary School Substation
Berewood
Waterlooville

Completed by:

Rebecca Kingston / Andrea Hughes – Southern Primary School Substation - Construction Environmental Management Plan Author. Based upon Mitigation Matrix findings (Table 5.1 and 5.2 of Southern Primary School Substation CEMP)

Risk Activities/Tasks
Establishment of site compound and facilities including protective heras fencing and signage where required. Provision and maintenance of drainage and pollution control measures plus temporary wheel wash facilities as required. Provision of substation, infrastructure, and suitable landscaping and access as required.

Actions Required
<ul style="list-style-type: none">• Appropriate space to be provided for parking and turning of operative, construction and visitor vehicles. Appropriate construction routing to be set out for construction traffic within a Construction Traffic Management Plan;• All vehicle drivers to be advised of agreed haulage routes selected to minimise any noise impact arising from additional lorry movements within a Delivery Plan;• Site works to take place only during work hours of:<ul style="list-style-type: none">Monday to Friday - 0800hrs to 18:00hrsSaturday - 08:00hrs to 13:00hrs.Sundays and Public Holidays - No work on site is permitted• Silencers or mufflers as appropriate to be fitted to plant and machinery;• A Prior Consent agreement with Winchester will be sought for any substantial or particularly noise-sensitive project. Under Section 61 of the Control of Pollution Act 1974 prior agreement can be reached on noise controls, which prevent the need for formal interventions, which may later be introduced without warning, with associated

delays and costs. Noise problems as far as is practical will be anticipated in advance and control measures will be agreed with the local authority to prevent problems later;

- Noisy plant and equipment will be sited as far away as is practicable from sensitive receptors. The use of barriers, such as soil mounds, site huts, acoustic sheds and partitions to deflect noise away from noise sensitive areas will be employed wherever practicable. Rapid access to portable acoustic screens such as those specified in British Standard BS5228:1997:Part 1 will be provided;
- Where necessary to control noise, hoardings may be provided. Hoarding may take the form of security hoards, or purpose built noise screens. Specific noise reduction hoarding is available where noise impact becomes a particular issue, or effective hoarding can be constructed on site from two sheets of 12mmmm board filled with a sound absorbing material such Rockwool;
- If required, effective screening/hoarding will be appropriately sited between the noise source and the potential receptor, contain no holes and ensure that the screening material overlaps with minimal gaps;
- All plant and machinery will comply with relevant statutory and manufactures' requirements. Vehicles and plant used for the purpose of the works will be fitted with effective exhaust silencers, maintained in good and efficient working order and operated to minimise noise emissions;
- Machinery in intermittent use will be shut down in the intervening periods between work or throttled down to a minimum. Noise emitting equipment required to run continuously e.g. generators, will be housed in suitable noise reducing enclosures;
- Only "sound reduced" compressors shall be used. Models will be fitted with properly lined and sealed acoustic covers that shall be kept closed whenever the machinery is in use;
- Pneumatic percussive tools will be fitted with mufflers or silencers of the type recommended by the manufacturers. Equipment that breaks concrete, brickwork or masonry by bending or by bursting shall be used in preference to percussive tools as far as practicable;
- Where practicable rotary drills bursters actuated by hydraulic, chemical or electrical power will be used for excavating hard or extrusive materials;
- Plant will be maintained in good working order so that extraneous noise from mechanical vibration, creaking and squeaking is kept to a minimum; and
- Care will be taken when loading or unloading vehicles, or moving materials etc to reduce noise impact.

Method Statement 5

Control of pollution impacts to adjacent ditches and drains on-site, off-site flora and fauna and local receptors

Site Address:

Southern Primary School Substation
Berewood
Waterlooville

Completed by:

Rebecca Kingston / Andrea Hughes – Southern Primary School Substation - Construction Environmental Management Plan Author. Based upon Mitigation Matrix findings (Table 5.1 and 5.2 of Southern Primary School CEMP)

Risk Activities/Tasks
Establishment of site compound and facilities including protective heras fencing and signage where required. Provision and maintenance of drainage and pollution control measures plus temporary wheel wash facilities as required. Provision of suitable surfacing. Provision of substation and suitable landscaping and access as required.

Actions Required
<ul style="list-style-type: none">• Systems of temporary drainage must be installed to ensure that no polluted surface runoff enters adjacent drains. Any surface water collected to be directed via treatment before discharge;• Any new or existing live surface water drains to be bunded to ensure that no surface water enters them;• Site roads to be swept and sprayed with water to prevent dust nuisance;• Where possible over-site hard standing to be retained & haul routes to be hard surfaced;• All vehicles leaving the site, to be subjected to wheel washing where necessary;• Stockpiling to be in accordance with best practice within CIRIA 'Environmental best practice on site guide (4th edition);• Stockpiles of materials not suitable for on-site re-use to be removed as soon as is practicable in accordance with applicable waste management legislation;

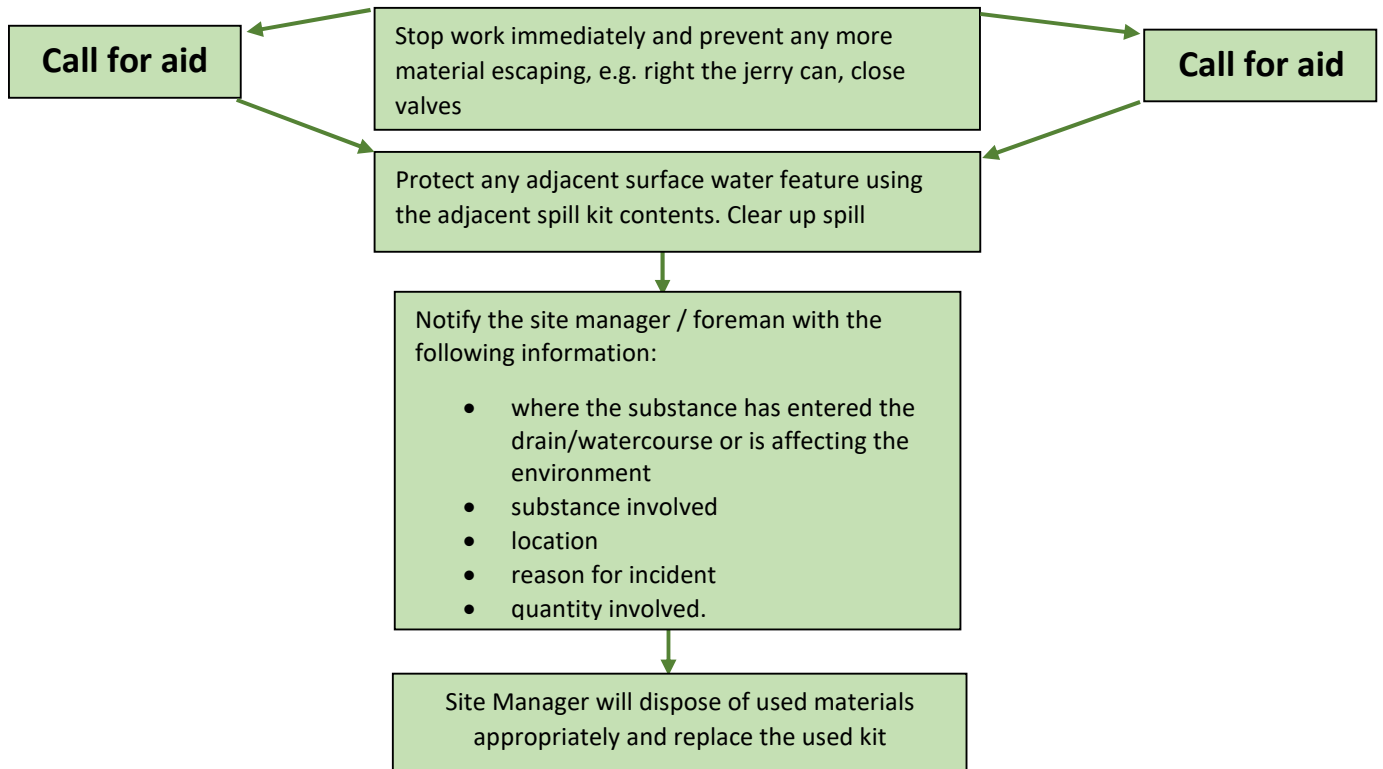
Southern Primary School Substation, Berewood, Waterlooville

Method Statement 5: April 2024

- Fuels and chemicals to be stored in accordance within CIRIA 'Environmental best practice on site guide (4th edition);
- All tanks and containers to be labelled with nature of contents and total volume secured;
- Fuel storage and delivery facilities to be on impermeable surface in a secondary containment system;
- Provision of spill kits at all storage areas & provision of emergency response numbers;
- Biodegradable hydraulic oil to be used for machinery/plant where possible;
- All deliveries to be supervised and levels of tanks checked before delivery;
- Stockpiles to be sited so as not be subject to inundation during extreme rainfall events;
- Contingency plan required for temporary covering of stockpiles during adverse weather conditions;
- Sorted & screened material to be placed on a prepared clean granular surfacing;
- Supervisors to be familiar with the provisions of CIRIA 'Environmental best practice on site guide (4th edition) re control of contaminated run off.

APPENDIX D: Incident Response Plan

Stop – Contain – Notify Diesel Spills



Spillage type

Major: Cannot be controlled, pollution has entered, or could enter a drain or watercourse. Report to the foreman/supervisor immediately

Minor: Can be controlled, pollution has not entered, and cannot enter a drain or watercourse. Report to the foreman/supervisor immediately

Foreman/supervisor instructions

Major: Contain and report immediately

Minor: Clean up immediately using appropriate materials (granules, pads etc)

In Major instance report to EA (see contact below)

Contact

Environment Agency (EA) Emergency Spill Line 0800 80 70 60

Worthing Office 03708506506

Write up report of incident to be retained in site records including:

- date, time, location of spill
- substance(s) involved
- action taken to contain it
- lessons learnt.