Network Rail Project No:
Issue: 001
Date 2nd Aug 2024

Work Package Plan

CS24-175
Erbusaig Bay.
Regrade Works

Start Date: 18 November 2024

Finish Date: 29 November 2025

Work Package Plan Number:
QTS/WPP003/CS24-175

Controlled Copy Number:
WPP003/CS24-175/001

Construction Number:
CS24-175/001

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Prepared by:

Dom Curran
(Print Name)

Date: 2nd August 2024

[Redacted]

... .……
(Signature)

Project Manager
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Date:

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Accepted on behalf of the Network Rail, Client Representative:

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VERSION CONTROL

VERSION NUMBER	SUMMARY OF CHANGES
001	Original Document

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1 Introduction

1.1 Brief outline of work methodology

The Erbusaig Bay site is located on the Kyle Line Line (KYL) between the mileage of 61 miles 1369 yards 61 miles 1393 yards as detailed below;

Down Side,

- **Asset 3 – 61.1369 to 61.1393**

This work package plan shall encompass all activities involved with the slope stabilisation works.

The proposed works are:

Asset 3

- Clearance of vegetation.
- Installation of Riprap.

The works will be carried out using IRATA rope access operatives:

Rope Access Operations (General)

All operatives undertaking rope access works are qualified and registered with IRATA. A Level 3 Supervisor will be present at all times to provide support and carry out emergency rescue where required. This will be briefed and monitored by the Site Supervisor.

The Level 3 IRATA Supervisor shall:

- Install safe access systems which provide full coverage of the slopes as required. A safe system of work will be set up and briefed which fulfils the requirements of the Health & Safety at Work Act 1974, the Work at Height Regulations 2005 and IRATA International Code of Practice (ICOP).
- Supervise the operation of all safety equipment including industrial rope access systems, harnesses, leashes, plant, PPE, and other work equipment.
- Ensure rescue equipment is onsite, this will be stored in a rescue bag with appropriate equipment for any likely rescue scenarios highlighted in the site-specific rescue plan. A stretcher will also be onsite for the duration of the works.
- Monitor and review the access and works package plans, including any risk assessments prior to the commencement of work and regularly throughout the Project.
- Assess all anchor points prior to use and include all suitable anchor points in the site briefing. All anchor points must be unquestionably reliable in accordance with the IRATA ICOP.

Anchor points must be protected from unauthorised access. Twin ropes (working & safety) shall be anchored to natural features i.e., mature trees, installed anchors (designed) or installed & proofed anchor systems. Rig to rescue should always be considered when deciding and installing anchor points. A copy of the IRATA operating procedures can be found in the site offices.

Activity 1 – De-Veg (Safeguarded)

The clearance of vegetation will be carried out within a safeguarded possession.

Prior to clearing any vegetation, the site supervisor/ L3 shall undertake the following visual inspections for:

- **Surface laid cables** – any findings shall be marked using hi viz marker paint with exclusion zone(s) established where required.
- **Structures** – Care to be taken when carrying out works around structures.
- **Nesting birds** – any findings shall be documented on a NWR bird nesting form. Exclusion zone(s) shall be put in place as and when required.

PTS/IRATA L3 Supervisor shall install a safe system of work as required in accordance with Rope Access Safe Working Procedures.

Operatives shall lay geotextile membrane covering the track bed below the cutting.

The vegetation shall be cleared using chainsaws and hedge trimmers. The vegetation arising's shall be hauled up to the cess level. The vegetation will be processed using a rubber tracked chipper. The chips shall be discharged back on to NWR land. All chip piles shall be spread out to a depth no greater than 100mm deep throughout the working mileages (No chips are to be discharged within 10 metres of any water course). In areas where this cannot be achieved the chips shall be removed from site.

Any heavy timber shall be transported back to the access point and removed from site.

Post vegetation clearance inspections to be carried out by Fairhurst.

During and at the end of each shift the site supervisor/ QTS L3 shall undertake a visual inspection of the cutting to ensure that the line is safe to hand back. All findings shall be documented on the QTS Site Works Completion Record. Site supervisor to issue Form E and control measures put in place as and when required.

Activity 2 - Set Up and implementation of track monitoring (Safeguarded)

The set up and implementation of the track monitoring shall be undertaken within a safeguarded environment.

The track monitoring targets shall be installed by the QTS site engineers.

Reflective targets installed to web of the high and low rail (single line) at 3m centres over the length of the works plus an additional 30m at each end of the site of works.

Following the positioning of these targets, a benchmark reading shall be taken using an EDM showing x-y-z positioning of each target remotely from a station positioned > 2.0m away from the line. The railhead level shall also be taken using a level and staff directly above each target to establish the relationship between the railhead and the targets at each position.

Additional targets may also be installed on any lineside equipment as considered necessary.

The base readings will be taken to demonstrate track geometry complies with the minimum requirements i.e. NR/L2/STP/001 Appendix E table E.1 work to maintenance limits.
Initial track geometry readings shall be taken prior to the works commencing and supplied to NWR for review. Where areas are over trigger points prior to works starting NWR shall rectify before the replacement works commencing.

Trigger values will be noted in the TMP.

A joint site meeting will be arranged when the works are complete to hand back the site following drainage improvement works.

Visual Surveys shall be carried out with written & photographic records to be maintained.
Track monitoring will be carried out daily throughout the works by an Engineer using a Total Station, from fixed stations set up. The engineer will carry out the track Monitoring throughout the works being completed that shift plus 30m either side to ensure the track position is unaffected by the works.

A hand back engineer shall take both cant & twist readings with a cant stick every 2hours during the works, and works should stop an hour before each shift to allow sufficient time to take appropriate readings and carry out any remedial works before possession is handed back.

NWR will be contacted should any remedial action be required. Jacks and Kango packs shall be available on site for the duration of the works should packing of the track be required. Ballast will be available on site should this be required for any remedial works.
The track details and base readings will be forwarded to the project team on a daily basis. A form G shall be completed and submitted to NWR at the end of each shift to confirm the track handed back fit for purpose.

Trigger levels as detailed below from network rail standards will be used: -

Action Limit	Twist (3m) Limiting value	Vertical Fault (Top) limiting Values**	Alignment Fault (Line) Limiting values**	Action Required
NO FAULT allowable Within limits	<12mm	< 23mm	< 21mm	• **No mandated Action** • Inform & review with CRE*** should rapid or unexpected movement occur. • Determine rate of any ongoing movement.
INTERVENTION	12mm (1/250)	23mm	21mm	• Inform & review with CRE*** • Determine rate of any ongoing movement & review monitoring regime. • **CRE*** (in liaison with the TME) to dispatch Fault Team to site within 36-hrs and rectify fault within 7-days**
IMMEDIATE	15mm (1/200)	26mm	27mm	• 'Intervention limit' being rectified to be reported to TME • **CRE*** (in liaison with the TME) to dispatch Fault Team to site within 12hrs and rectify fault within 36 hours**
STOP ALL WORK *	24mm (1/125)	38mm	50mm	• 'Immediate action limit' being rectified to be reported to TME. • **Suspend all Site Works & Make Safe** • **CRE*** (in liaison with the TME) to dispatch Fault Team to site immediately to rectify fault.** • CRE*** to review monitoring/ work progress and Trigger Levels with Site Manager and TME
BLOCK THE	33mm (1/90)	Not applicable	Not applicable	• CRE*** inform the Signaller to **"block the line"** to trains. • **Suspend all Site Works and Make Safe.** • **CRE*** (in liaison with the TME) to dispatch Fault Team to site immediately to rectify fault** • 'Block the Line' fault being rectified to be reported to TME

During the works the CRT (Critical rail temperature) must be considered with regular rail temperature checks carried out by the site engineer during hot weather.

The online CRT register will be updated daily as necessary. The register shall be downloaded daily and distributed before 10am each day to the agreed distribution list for the site.

All temperatures will be recorded on a spread sheet and network rail standards NR/L2/TRK/001 will be referred to for guidance and actions required.

A copy of the NR/L2/TRK/001 will be to hand within the site office.

Works carried out in accordance with NR/L2/CIV/177 and approved TMP.

Activity 3 – Regrade Works (safeguarded).

The regrade works will be carried out within a safeguarded possession on the **Downside** embankment between the mileage of: 61m 1369yds and 61m 1385yds.

Prior to any of these works starting all operatives will receive a site induction and a task briefing relevant to the work being carried out. A briefing sheet will be signed as understood by all concerned.

Full CAT scan for services to be carried out using Network Rail approved cable avoidance tools over the extent of the re-grade area and read in connection with the buried services report. Permit to dig to be issued.

Possible septic tank adjacent at regrade location to be investigated prior to works commencing. Site manager to implement controls to manage risk, including but not limited to local signage during construction to identify area, toolbox talk to personnel and provision of hygiene gloves if required.

All RRV movements and operating of equipment will be carried out by suitably qualified and competent personnel, with all relevant certification of competency being available for inspection on site.

All RRV movements will be under the supervision and direction of a designated crane / machine controller. RRV Operator and the MC/CC will always communicate with the use of a DECT Com radio system. RRV is to emit an audible warning using the horn prior to any movement in either direction to alert other track workers of the presence of the RRV.

All lifting operations will be carried out in accordance with an approved lift plan.

The RRV along with 2no trailers and boxes will on track at RRAP Duirinish Level Crossing and load up 1no box with 6B 125mm to 225mm stone. This will be transported to the works location.

Setting out of the stone regrades will be assisted by Fairhurst Designer.

A 14t tracked excavator will be used at the toe of the cutting to reach up as far as possible to begin the regrade works. This will access from 3rd party land adjacent to work area at **LOW TIDE ONLY** when the work area is accessible.

In preparation of the 14t tracked excavator and tracked dumper beginning the Regrade works a Boom (temporary floating barrier) will be positioned across Erbusaig Bay opening (underneath the Railway Bridge). This will contain any bio-degradable oil spills that may occur during the works. Rip Rap stone will be stockpiled on 3rd party land ready to be loaded into tracked dumper to be transported to worksite.

The 14t will begin to excavate soil in preparation of Terram 1000 being laid, no greater than 5m sections of the slope shall be removed at any one time. Steps of 500mm shall be cut into the slope (detail below). Excavated soil to be loaded into a tracked dumper for disposal.

A Geotextile Separator shall be laid out over the excavation using rope access methods and secured using ground pegs prior to Rip Rap stone placed in position utilizing the 14t tracked excavator and tracked dumper. No excavations shall be left open at the end of each shift. Stone compaction to be carried out using back of excavator bucket.

Once the 14t tracked excavator has completed the lower level works an RRV will begin to excavate soil from track level in preparation of Terram 1000 being laid, no greater than 5m sections of the slope shall be removed at any one time. Steps of 500mm shall be cut into the slope (detail below). Excavated soil to be returned to RRAP for disposal.

A Geotextile Separator shall be laid out over the excavation using rope access methods and secured using ground pegs prior to Rip Rap stone placed in position utilizing the Rail Bug & RRV. No excavations shall be left open at the end of each shift. Stone compaction to be carried out using back of excavator bucket. All Bog Mats shall be removed from the Track prior to the worksite being returned for the safe passage of Trains.

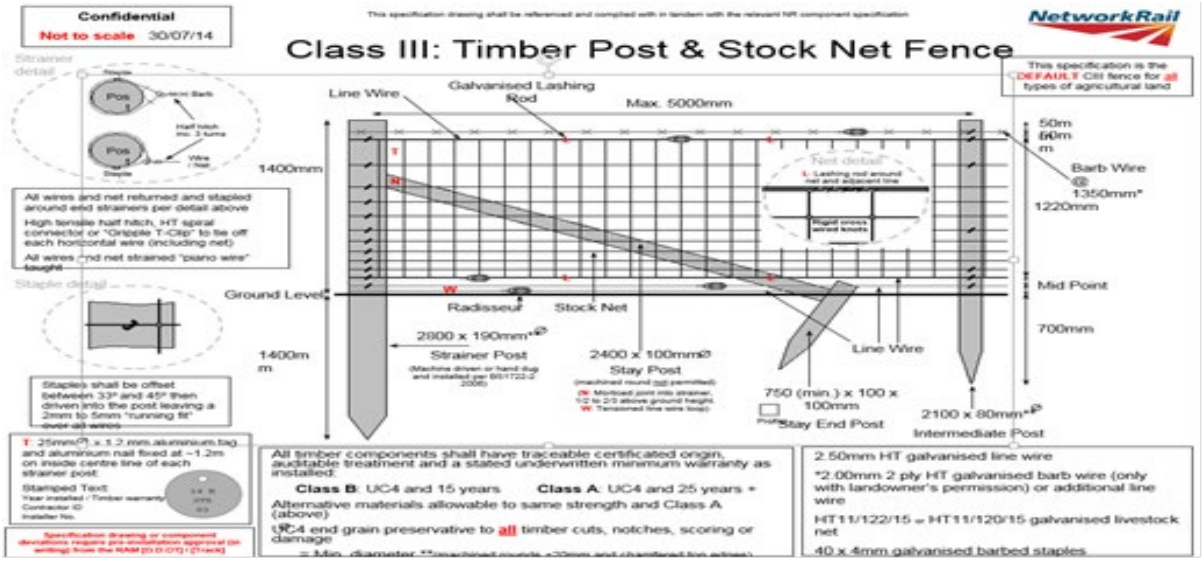
During and at the end of each shift the site supervisor/ QTS L3 shall undertake a visual inspection of the cutting to ensure that the line is safe to hand back. All findings shall be documented on the QTS Site Works Completion Record. Site supervisor to issue Form E and control measures put in place as and when required.

Activity 4 – Installation of Stock Proof Fencing

The installation of new/replacement stock proof fencing will be positioned at the toe of the cutting to tie into existing boundary fence through to the stone wingwall once the bottom section of the regrade works are completed.

The Site Supervisor shall undertake a visual inspection for surface laid cables & CAT scan of the area prior to works commencing. Any findings shall be marked up using hi visibility marker paint and protected as necessary. A Permit to dig shall be issued

The Fencers shall use hand tools to install the fencing posts. All stock netting, Line wire and barb will be installed as per NWR standard.



On completion of the works the area shall be inspected by the Site manager and fencer and ensure that all areas are made safe.

During and at the end of each shift the site supervisor/ QTS L3 shall undertake a visual inspection of the cutting to ensure that the line is safe to hand back. All findings shall be documented on the QTS Site Works Completion Record. Site supervisor to issue Form E and control measures put in place as and when required.

1.1.2 The following tasks support this Work Package Plan:

Reference & prepared by:	Task Briefing Sheet Title	Activity Start Date
TBS001; Dom Curran	De veg works	18 Nov 2024
TBS002; Dom Curran	Installation and management of track monitoring	04 Nov 2024
TBS003; Dom Curran	Regrade works	18 Nov 2024
TBS004; Dom Curran	Installation of Stock Fencing	20Nov 2024

1.2 Principal Contractor's delivery organisation

1.2.1 The following individuals from the Principal Contractor's organisation will be involved during this work package:

Role	Name	Contact Number
Operations Director CRE	Stephen Nutley	[Redacted]
Senior Development Manager/CEM	Adam Jordan	[Redacted]
Contracts Manager	Chris Blair	[Redacted]
Project Manager	Jamie Millar	[Redacted]
Site Agent	Dom Curran	[Redacted]
Works Manager	Callum Donaldson	[Redacted]
Site Manager	TBC	
L3 Supervisor	TBC	
Design Manager	Michael Turnbull	[Redacted]
Compliance Director	Iain Kirk	01357 440 222
Compliance Manager	Nicola Dalby	01357 440 222
Head of Health & Safety	Paul Murray	[Redacted]
HSQE Advisor	Ken Shanks	01357 440 222

1.2.2 The following companies, specialist contractors and/or individuals will be involved during this work package.

Name and address of company, specialist contractor or individual, etc.	Work activity / Specialism	Point of contact details (name and telephone number
Fairhurst 4th Floor 300 Bath Street Glasgow G2 4JR	Design engineers	Alan Blair 0141 204 8800
Landlab Lilac grove studio Laurieston Kirkcudbrightshire DG7 2PW	Environmental Survey	John Kennedy [Redacted]
Ord Industrial 22/23 Tomich Industrial Estate, Muir of Ord IV6 7WA	Site welfare	Julie Henderson 01463 870 349

Safer Scotland 272 Bath Street Glasgow G2 4JR	Site Security	Ryan Clark [Redacted]
Scottish Government Marine Laboratory Aberdeen AB11 9DB	Marine License	Jacqui Cameron [Redacted]

1.3 Resources

1.3.1 The following resources will be used for this work package:

People

Number of People and their competence	Task
Site Manager – SMSTS *1nr ES / LXA* *1nr RR Excavator Operative* *1nr CC/Pos Rep* *1nr tracked chipper.* *1nr Coss* *1nr PTS/IRATA Level 3 Supervisor* *5nr PTS/ IRATA Level 1/ Chainsaw/Chipper Operatives*	*TBS001* *Deveg works*
Site Manager – SMSTS/Pos Rep *1nr ES / RETB Operator* *1nr Coss* *2nr engineers*	*TBS002* *Installation of Track Monitoring*
Site Manager – SMSTS/Pos Rep *1nr ES* *1nr NOM* *1nr COSS* *1nr RR Excavator Operative* *1nr RR Bug Operative* *1nr CC* *1nr MC* *2no Gen ops* *1nr SMTH/Tester* *1nr Tech*	*TBS003* *Re-Grade Works*
Site Manager – SMSTS *2nr Skilled fencing op's*	*TBS004* *Installation of Stock Fencing*

Plant, Equipment and Tools

Quantity of Plant, Equipment and Tools	Task
RRV + Trailers, Tracked Chipper, chainsaws, hedge trimmers, blowers, hand tools, eco plug installation tools & tower lighting. Lotrac, ply boards	*TBS001 Deveg works*
Surveying equipment	*TBS002 Installation of Track Monitoring*
RRV + Trailers + Attachments + 1nr 14t Tracked Excavator + 1nr Tracked Dumper	*TBS003 Regrade works*
CAT Scan, Hand tools,	*TBS004 Installation of Stock Fencing*

Materials

Quantity of Materials	Task
Eco Plugs, Petrol, diesel	*TBS001*
Targets, adhesive	*TBS002 Installation of Track Monitoring*
Rip Rap Fill, Terram 1000	*TBS003*
Fencing materials	*TBS004*

2 Working Together

2.1 At site communication

2.1.1

Name	Role	Organisation	Contact details	Tick to confirm number works and has been tested
Stephen Nutley	Operations Director/CRE	*QTS*	01357 440222	✓
Adam Jordan	Senior Development Manager/CEM	*QTS*	01357 440222	✓
Chris Blair	Contracts Manager/CRE	*QTS*	[Redacted]	✓
Jamie Millar	Project Manager	*QTS*	[Redacted]	✓
Dom Curran	Site Agent	*QTS*	[Redacted]	✓
TBC	Site Manager	*QTS*		✓
TBC	L3 Supervisor	*QTS*		✓
Callum Donaldson	Works Manager	*QTS*	[Redacted]	✓

2.2 Contact details

2.2.1 The following are the main contacts for this work package:

Name	Role	Organisation	Contact details	Tick to confirm number works and has been tested
Brian Connolly	Project Manager	*Network Rail*	[Redacted]	✓
Diane Lauchlan	Scheme Project Manager	*Network Rail*	[Redacted]	✓
Dan Mulhare	Designated Project Engineer	*Network Rail*	[Redacted]	✓
Emma Percy	Project Engineer	*Network Rail*	[Redacted]	✓
Andy McGhan	Construction Manager	*Network Rail*	[Redacted]	✓
James McKay	H&S Manager	*Network Rail*	[Redacted]	✓

2.3 Other parties involved with the package of work (interfaces details)

The following working arrangements will apply with all parties / organisations that have been identified with this work package:

Interfacing Organisation	Interface Point for:	Point of Contact and contact details	Interface arrangements
Morag McKenzie	*3rd party land owner*		*Compound/handling area*

3 Hazard Management

3.1 Work involving particular risks

The work in this package involves the following particular risk(s), as detailed in Regulation 12 (2), (Schedule 3) of the CDM Regulations 2015

Risk	When and where will the risk be present?	Permits Required	How will this risk be controlled?
Work which puts workers at risk of falling from a height, where the risk is particularly aggravated by the nature of the work or processes used or by the environment at the place of work or site	*Risk will be present during all site works*	Working at Height assessment IRATA Pre-start	Only competent trained (IRATA) staff to work at height IRATA L3 to brief L1/2's daily and record. All rope access equipment to have up to date certification and should also be checked on a daily basis before each shift. Rope access equipment must be used at all times when accessing the slope. Shunt lines shall be erected at the top of the slope.
Excavation works.	*During Excavation Works*	Permit to Dig, Lift Plans	Ensure that all excavations are carried out with caution. CAT scan survey to be undertaken in all cases and a permit to dig issued prior to the breaking of any ground. Dect comms to be used between operators and Banksman during works. Exclusion zones to be established around any excavation works to prevent any unauthorised access. Max 5m wide excavations to be carried out at any time. All excavations to be completed/backfilled before shift is completed.
Pollution to Estuary	*During Excavation Works*		

3.2 Significant railway and construction risks

3.2.1 The following are the significant railway and construction safety and health risks that apply during this work package:

Risk	When and where will the risk be present?	Permits Required	How will this risk be controlled?
On or near the line **All lines open**	*Risk will be present during all site works*	ALO Plan	There will be suitable distance between plant and open lines. Exclusion zones will be clearly marked using Heras fencing.
Work that involves working on or in the proximity of a Level Crossing	*Risk will be present during access and egress of on-track plant*	SSOW pack, Lift Plans	The Duirinish level crossing shall be utilised for road rail access. All works shall be carried out in accordance with SSOW packs, for all works. All staff will be briefed on these arrangements during site induction and task briefings. S&T shall be contacted when works affect any level crossings.
Lifting Operations	*Risk will be present during all site works*	Site Specific Lift Plans	All lifting operations will be supervised by a CC All lifts to be accompanied by a lifting plan All lifting accessories to be checked before use and ensure all certification is current Do not stand under loads during lifting-exclusion zones to be erected. Lifting equipment to be certified and tagged in accordance with LOLER regs.
Manual handling RA001	*Risk will be present during all site works*	None	Staff trained in manual handling operations. Use mechanical aids whenever possible. Single man lift should not be greater than 25kgs All lifts to be assessed by individual and only lift object if comfortable the weight is well within their capabilities. Heavy materials register to be produced. Manual handling assessment(s) to be produced and briefed to operatives.
Track disturbance, Excavating within track support zone		Form E	Track monitoring carried out in accordance with NR/L2/CIV/177 Approved Track Monitoring Plan HBE on site during the works, Forms A-G Form E completed CRT Management Plan

Track stability during jet/vac of existing drainage		Form E	Review of the following: Track condition, ballast shoulder, type, size, depth & condition of existing pipe, proximity to track support zone, known track quality issues Form E on completion of works
Dust generated during backfill operations	*Risk will be present during all site works*	N/A	Where backfill material and site conditions are dry with the potential for airborne dust during backfill operations operatives to stand clear and where necessary wear FFP3 respirator All personnel using respirators must be face fit tested.
Handheld tools RA051	*Risk will be present during all site works*	None	All personnel to have completed basic training on small tools. If tool is defective report to supervisor and do not use. **All guards to be present on tools.** Only use tool for the purpose it was designed for. Where required follow manufacturer's instructions.
Deliveries & Loading Vehicles	*Risk will be present during all site works*	Lift Plans	All deliveries shall be met by the site supervisor and briefings/inductions shall be carried out. Traffic plan to be briefed to all personnel, traffic marshals/banks man/slinger-signaller to be used for all deliveries.
Slips & trips and falls	*Risk will be present during all site works*	None	Access points to be kept clear of debris and trip hazards, use designated walking routes when in compound.
Environmental Pollution RA013	*Risk will be present during all site works*	None	Store fuels etc. away from any watercourses. Bunded containers. Keep noise to a minimum, oil spill material kept on site
Environmental issues	*Risk will be present during all site works*		Night working will be kept to minimum. Quietest available machinery will be selected. Lighting used is directional and only when and where required to do the work. Machinery is fitted with sound proofing and engine silencers where possible. Machinery is fully serviced to ensure operating at rated noise level.

Use of Plant & Machinery RA025	*Risk will be present during all site works*	None	Only trained & competent personnel to operate plant and machinery. Copy of all tickets to be retained in the site office. Always wear the appropriate PPE as per the manufacturer's instructions. All Plant and machinery to come with conformity certs. Pre-start checks to be carried out at the beginning of each shift All Plant movements to be supervised by a banksman. Plant keys to be kept in locked container and only issued to competent personnel, Site manager to issue key & fill out "QTS/F/60B".
Work Adjacent to Public Roads & Footways RA031	*Risk will be present during all site works*	None	Barrier off works to prevent access. Erect site signage to warn all of plant movements. Provide security in areas prone to dangers. Speed limits through the site must be followed Access points to be kept clear of litter and noise to be kept to a minimum.
Using Small Tools	*Risk will be present during all site works*	Prestart check sheets	All personnel to have small tools training. Competent assessment to be carried out on all personnel Use correct tool for Job. Any faults or defects to be reported to supervisor. Petrol powered tools to be kept within COSHH store at all times.
Fire on Site	*Risk will be present during all site works*	Hot Works Permit	Hot works permits to be issued in advance of any abrasive wheels being used. Trained and competent fire warden to be appointed. Fire extinguishers to be in place for all works.
Use of vibrating tools - HAVS	*Risk will be present during all site works*	Pre-start checks, HAVS Assessment	Use low vibration tools where possible. **Monitor and record operative exposure using Reactec HAVwear** Ensure the maximum time is not exceeded- rotate squad.
Hazardous Substances	*Risk will be present during all site works*		Always ensure COSHH assessment is in place and has been briefed. PPE must be worn in accordance with the COSHH assessment if the hazard cannot be eliminated.

De Vegetation with chainsaws including felling dead, dangerous or dying trees.	*TB001*	Bird nesting form	Only trained and competent NPTC operatives to use chainsaw PPE must be worn in accordance with the manufacturer's instructions and requirements; Full body orange railway clothing, task specific gloves, chainsaw specific boots, Ballistic Trousers, Helmet (blue or white depending on experience) BS EN 352-3, Visor BS EN 397, Ear Defenders BS EN 352, Safety Goggles/Glasses BS EN166.1.F. Ropes and harness must be utilised on slopes greater than 1:1½. An exclusion zone of 5m to be enforced around other operatives on site and 1m around fence lines and other obstructions. Only hedge trimmer and hand tools to be used within close proximity of fence lines. When felling DDD trees, Arbor supervisor to set up suitable exclusion zones. Only trees that are safe to climb will be section felled, all other trees will be felled from ground level with the aid of a winch.
Excavations RA010	*Risk will be present during all site works*	Permit to Dig	Permit to dig issued and area CAT scanned. Buried services report to be kept within site files
Falling objects / material	*Risk will be present during all site works*		**Exclusion zone(s)** to be established and maintained around work areas when working on slope with RR vehicles.
On Track Machinery Movements	*Risk will be present during all site works*	ES Authorisation Movement Records	All on track plant movements shall be agreed between the ES, MC/CC & POS Rep prior to any plant going on track. All movements shall be documented on QTS/F/211. Where there is more than 1 item of on track plant within in the worksite mobile phones or 2-way radios shall be utilised to communicate between each of the machine controllers and the ES. An exclusion zone of **880 yards** to be always maintained when travelling with a line speed no greater than 5mph. This can be increased to **15mph** following a site-specific risk assessment on the site condition/weather and must also be agreed with the ES and documented.

3.3 Lifesaving rules

4 Environmental and Waste Management Arrangements

4.1 Environmental management arrangements

4.1.1 Work vans carry barrier spill kits to prevent pollution from spillages e.g., of oil.

Machines will be delivered to site ready fuelled.

If contaminated waste is to be removed, it will be covered by a separate method statement.

4.2 Waste management arrangements

4.2.1 All recyclable materials must be removed from site and deposited in the appropriate skip within the site compound.

Surplus spoil from the sites will either be spread on site or removed to tip by a licensed carrier.

Separate skip to be used to clean out grout plant, area around grout plant to be protected to prevent contamination.

5 Emergency Arrangements

5.1 Site emergency arrangements

Emergency contacts are listed under Appendix B.

5.1.1 First aid arrangements

5.1.1.1 All sites should have sufficient first aid equipment and qualified staff appropriate to the size and duration of the work carried out in accordance with QTS supporting procedure SP07 First Aid. This will be documented using a site-specific assessment of first aid form (F201A) and first aid provision as detailed below will be deployed:

- Number of first aider: 1
- Number and location of first aid kits: 1No located in site office and on site.

First aid arrangements will be briefed to the workforce by the site supervisor during site induction and task briefings.

A fully qualified FAAW will be present when any work is being carried out on site

5.1.2 Evacuation arrangements

5.1.2.1 The evacuation procedure will be dependent on the activity, possible location of the casualty and nearest access for emergency services as detailed below:

Location	Reason	Nearest access for emergency services	Method of evacuation
Site Compound Area	Unconscious or immobilised casualty	**QTS Main Site Compound Duirinish Station IV40 8BD – waht3words – "gangway.numeral.blend"**	Emergency services via main compound area by ambulance.
Site Compound Areas	Fire within compound/handling areas	**QTS Main Site Compound** **Duirinish Station IV40 8BD – waht3words – "gangway.numeral.blend"**	Raise alarm, evacuation of the area, make way to designated assembly point. Call fire brigade. Only use firefighting equipment if trained and it is safe to do so.
Worksite area	Unconscious or immobilised casualty	**QTS Main Pedestrian Access Point Erbusaig IV40 8BB – waht3words – ///impulsive.bubble.lamplight**	Emergency services via access points. Casualty removed from the site by Stretcher

Refer to site information boards for Route to hospital.

5.1.3 Fire safety arrangements

5.1.3.1 Fire plans will be produced by the site supervisor including location of proposed assembly point and fire extinguishers in accordance with QTS supporting procedure SP06 Fire Safety.

Flammable materials will be identified through COSHH assessments and segregated accordingly.

Fire extinguishers will be located at strategic locations or adjacent to activities likely to cause a fire. Fire extinguishers & hot work permit to be in place at all times during hot works.

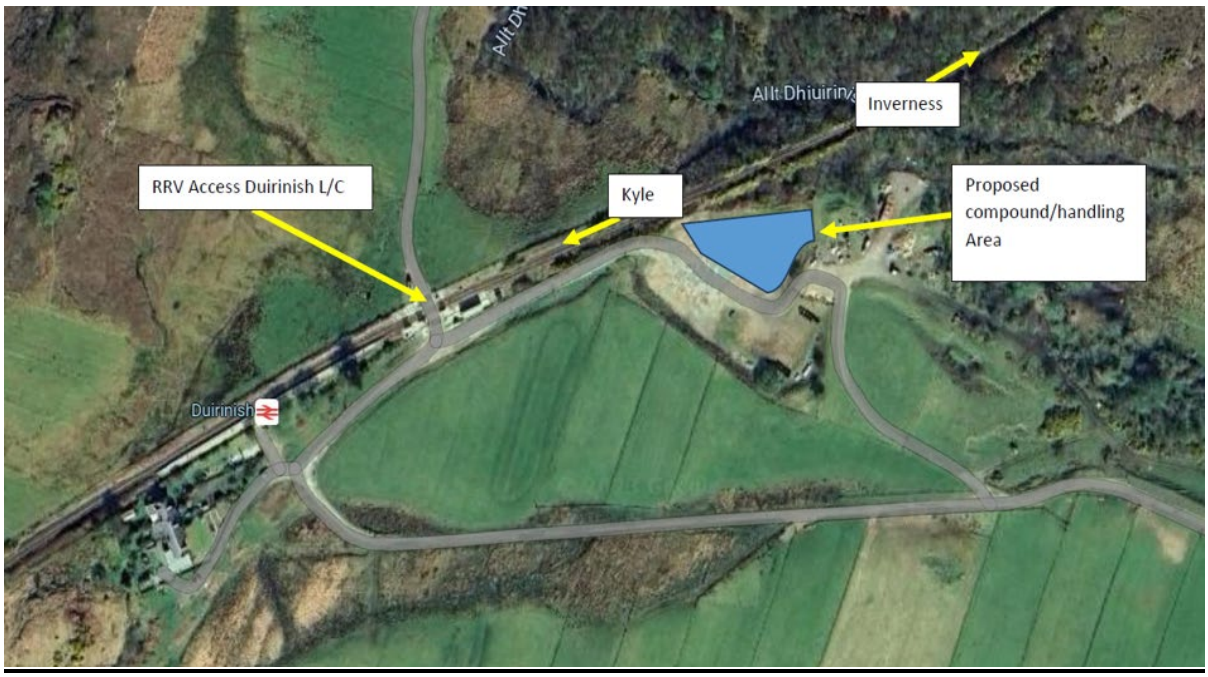
5.1.4 Security arrangements

5.1.4.1 Security measures will be provided as detailed below:
- CCTV
- Secured compound areas, concrete barriers, plant clamps, chains & padlocks to be used as required to prevent unauthorised access to plant & equipment
- Access gates locked at all times when not in use
- Contact British Transport Police and/or the respective Network Rail Route Crime Prevention specialist
- Jersey blocks to be used to block plant in during out of hours. These can be used to either block the compound entrance or to create a safe area within the compound. A telehandler will be onsite at all times to help manoeuvre the barriers.
- Additional measures will also be taken, these will include wheel clamps and removing any unused plant from site ASAP

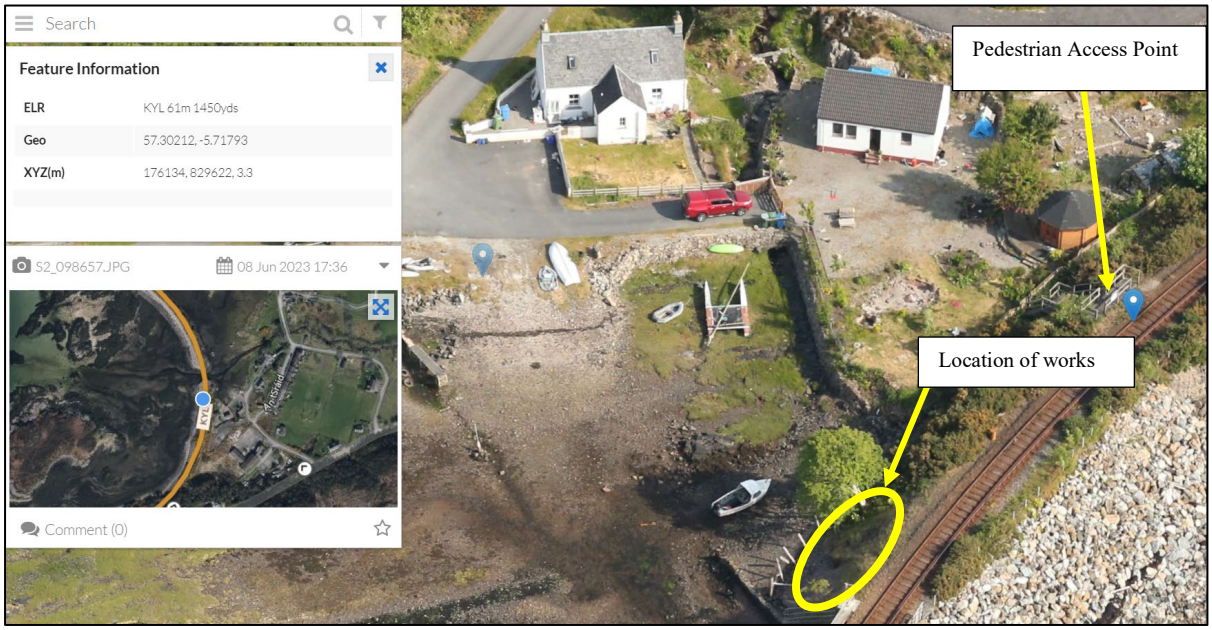
5.1.5 Summoning emergency services

QTS Main Site Compound

Duirinish Station IV40 8BD – waht3words – "gangway.numeral.blend"



QTS Main Pedestrian Access Point
Erbusaig IV40 8BB – waht3words – ///impulsive.bubble.lamplight



Hospital Route

From: Duirinish, Drumbuie, Kyle, UK
To: Dr Mackinnon Memorial Hospital, High Road, Broadford, UK
Distance: 13.6 miles
Time: 27 mins

Distance	Directions	Total	
Start:	Duirinish, Drumbuie, Kyle, UK		
0.0	Head **south-east** Restricted-usage road	0.0	Show map
0.0	Turn **left** Restricted-usage road	0.0	Show map
0.0	Turn **right**	0.0	Show map
0.4	Slight **right**	0.4	Show map
0.0	Turn **right**	0.4	Show map
3.4	Continue onto **Main St**	3.8	Show map
0.4	Turn **left** onto **Stoney Rd**	4.2	Show map
0.1	Turn **right** onto **Station Rd/A87** Continue to follow A87	4.3	Show map
1.6	At the roundabout, take the **3rd** exit and stay on **A87**	5.9	Show map
7.3	Turn **right** onto **High Rd** Destination will be on the left	13.3	Show map
0.3	**Arrive:** Dr Mackinnon Memorial Hospital, High Road, Broadford, UK	13.6	
	Section time: 27 mins 18 s, Total time: 27 mins 18 s		

Emergency services will be summoned by the site supervisor (if possible) or any staff members present on site, detailing the site location and any possible constraints associated with access to the site.

Arrangements will be made to meet the emergency services at the agreed location.

5.1.6 Railway emergency (trains and electrical)

5.1.6.1

Emergency services	999/112
On Call Manager	Notified weekly
HQSE Manager	01357 440222
Fire, Police & Ambulance	999
British Transport Police	0800 40 50 40
Signaller	Inverness RETB 01463 245 103
Electrical Control Operator	N/A
Nearest Hospital	Dr MacKinnon Memorial Hospital / Broadford Hospital High Road, Isle of Skye IV49 9AA 01471 822491
NR Control East	**0330 852 6225**
"For Cause" Post Incident Hotline	020 7394 8057
Routine D & A Testing	020 7500 6900
Network Rail Helpline Community relations	08457 1114141
Crime stopper	0800 555 111
SEPA	0800 80 70 60

5.1.7 Asbestos

5.1.7.1 *N/A*

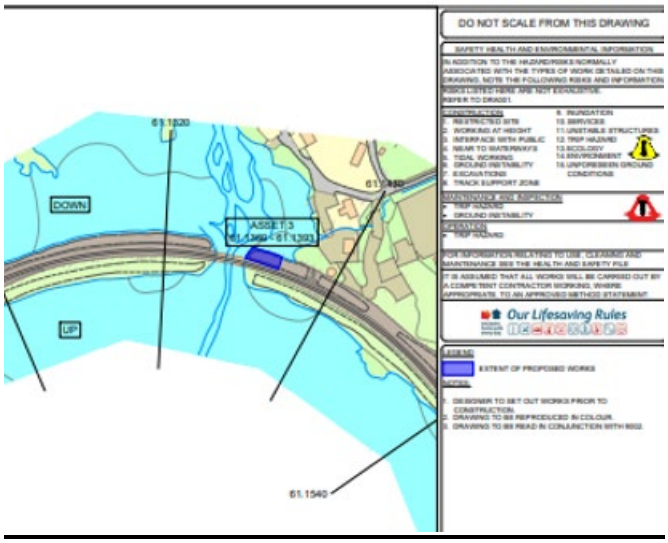
5.1.8 Utilities

5.1.8.1

Utility Company	Contact Details
Scottish Water (Emergency)	08000 778778
British Gas	0800 111 999
BT	0800 023 2023 (Option 1)
Scottish & Southern Energy	0800 300999

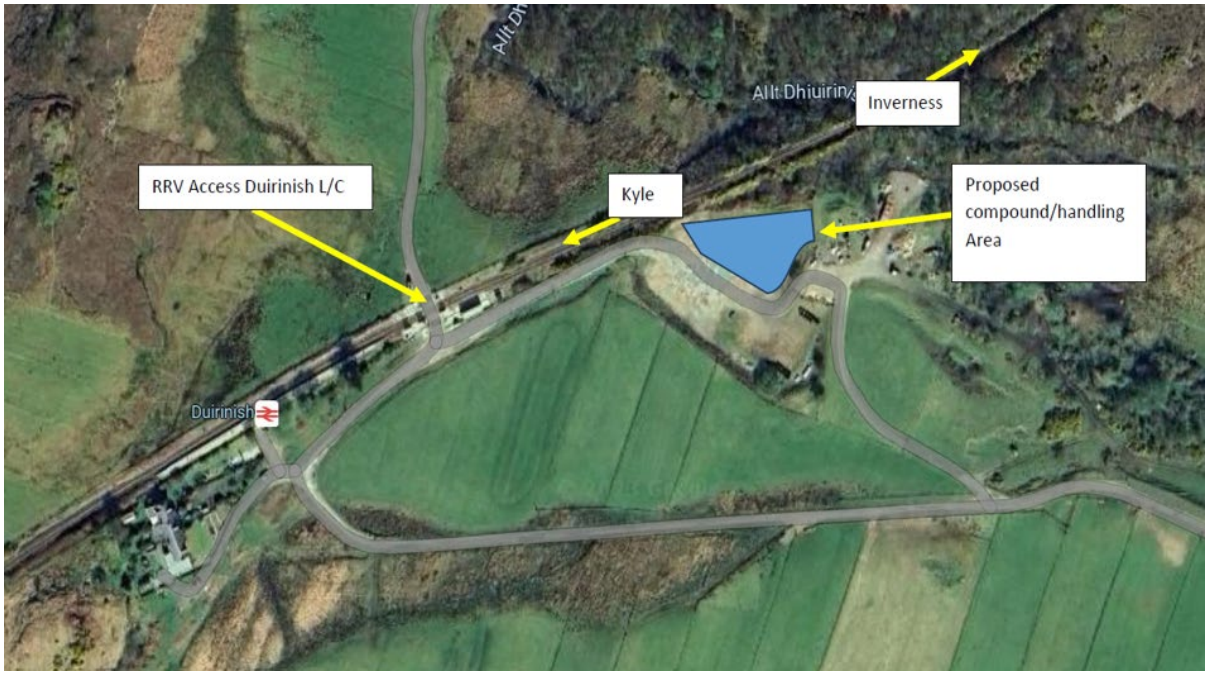
6 Work Package Arrangements

6.1 Site Layout



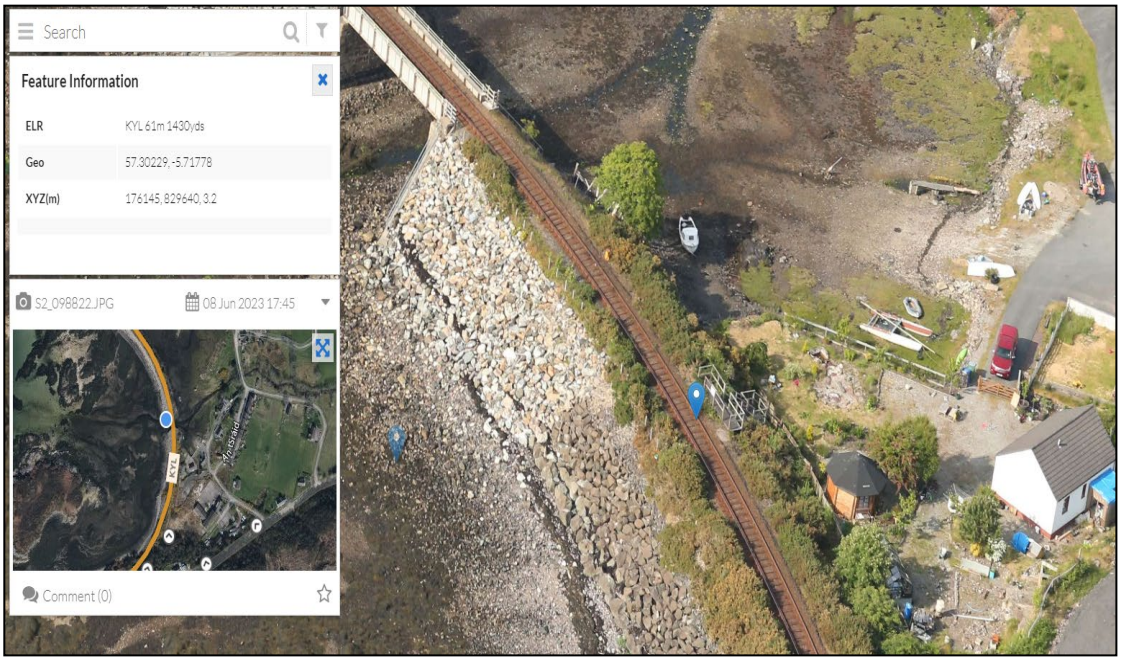
6.1.1 Access will be gained from the following access points –

Duirinish Level Crossing – RRV Access Point: What3words "dentistry.rift.hogs"



Pedestrian Access Points

Erbusaig Bay KYL - 61 miles 1430 yards – what3words ///unusually.spell.interlude



6.2 Welfare

6.3.1

Contract:	CP7		Contract Ref:		TBC
Location:	Erbusaig Bay		Date:		2nd Aug 2024
Activity:	Earthworks				
Duration:	2 Weeks	Approx. Max No. of Personnel:	10		
Welfare Assessment Matrix: (Please indicate what category applies to the work site)			A	B	C
					✓
Transient or Non-Transient Site: (Please state)			Non-Transient		
Local Facilities, Category A: N/A					
Welfare Vehicles, Category B: N/A					

Non-Transient Work Site Facilities, Category C**:**	
Facilities	**Details of Provision** *(Please state what will be provided)*
General Services	
Lighting	Electric powered strip lighting in all cabins.
Heating	Electrical panel & blower heaters
Water	Hot and cold running water shall be available for hand washing.
Other:	Bottled water shall be available for drinking.
Toilet Facilities	
No. of Male Toilets Required	3
No. of Urinals Required	3
No. of Female Toilets Required	1
Other:	
Washing Facilities	
No. of Sinks Required	4
Method of Drying Hands	Paper towels
Other:	Hand sanitizer station shall be located around the compound area
Storage & Drying of Work Wear	
Clothes Storage	Within Drying Room.

Drying Facilities	As above.
Other:	
Rest Facilities	
Tables/Chairs	4No tables & 12 No Chairs with back support.
Heating Food	Microwave Oven
Heating Water	Water heater and Kettle for hot drinks.
Drinking Water	Bottled water will be use
Other:	
Maintenance & Cleaning	
Effluent and Waste Disposal	Waste tank shall be emptied weekly
Cleaning Details / Frequency	All on site accommodation and toilets will be cleaned after each use with anti-bacteria cleaning products.
Other:	
External Facilities	
External Lighting	Lighting shall be fixed to the site cabins and around the compound area
Protected Accesses	Fencing & Signage shall be installed – one-way systems shall be in operation.
Car Parking Arrangements	Pedestrian barriers and signage shall be installed to segregate vehicle movements from pedestrian walk routes. Reverse Parking signage to be installed
Other:	Separated area shall be set up for plant and materials

General comments on site welfare

1No 32 ft Canteen unit, 1 No. 32 ft drying room, 1 No 32ft meeting room, 1 No 32 ft site office, 1 No. 20ft stores unit, 1 No. 3 in 1 toilet block,1 No.10ft water store, 1 No. 10ft chem store and generator unit. **General comments on site welfare**

Are specialist contractors required? *(e.g., Asbestos, contaminated ground, lead)*	Yes	No
		✓
Will the specialist contractors provide their own welfare facilities?	Yes	No
		✓
Please state what specialist welfare facilities will be provided: N/A \		

Name:	**Don Curran**	Position:	**Site Agent**	Date:	**2nd August 2024**

6.3 Rail Traffic Management

Road Rail Access to the line shall be gained from the Duirnish LXA.

All OTP movements shall be controlled by the ES, MC/CC and POS Rep. Exclusion zones to be in place at all times.

All on track plant movements shall be agreed between the ES, MC/CC & POS Rep prior to any plant going on track. All movements shall be documented on QTS/F/211. Where there is more than 1 item of on track plant within in the worksite mobile phones or 2-way radios shall be utilised to communicate between each of the machine controllers and the ES. An exclusion zone of 880 yards to be maintained at all times when travelling with a line speed no greater than 5mph. This can be increased to 15mph following a site-specific risk assessment on the site conditions/weather and must also be agreed with the ES and documented.

6.4 Road Traffic Management

6.5.1 All vehicles accessing the compound shall stop at the compound access gate and contact the site manager before entering the site.

All walking routes within the compound shall be defined by pedestrian barriers.

All parking shall be reverse parking within the compound area.

7 Hand Over and Hand Back Arrangements

7.1 Hand over and hand back arrangements

7.1.1 The Health and Safety File will be compiled as per NR/L2/INF/02202 and Asset Management Plan

The Health and Safety File will include
As Built Drawings
As Built Photographs
Methodology utilised for construction of works

The Health and Safety File will be submitted to Principal Designers Representative on completion of works

APPENDICES – Supporting information

- Risk Assessment
- COSHH Assessments
- Lift Plan