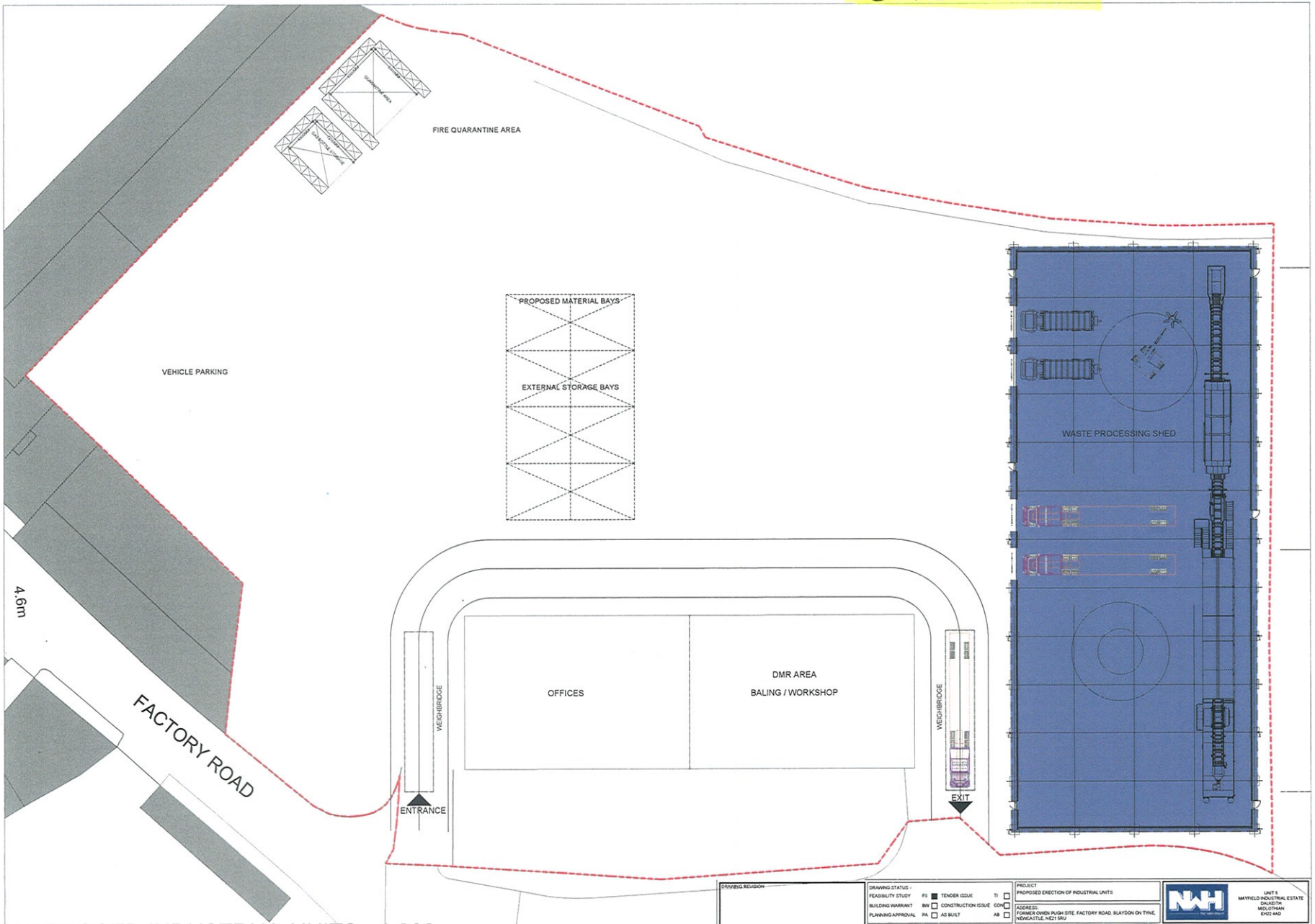
APPENDIX 1

Google Maps Factory Rd

Imagery ©2019 Google, Map data ©2019 Google 20 m

SITE PLAN



PROPOSED INDUSTRIAL UNITS - 1:200

DRAWING REVISION

DRAWING STATUS :-
FEASIBILITY STUDY FS ■ TENDER ISSUE TI □
BUILDING WARRANT BW □ CONSTRUCTION ISSUE CON □
PLANNING APPROVAL PA □ AS BUILT AB □

PROJECT:
PROPOSED ERECTION OF INDUSTRIAL UNITS

ADDRESS:
FORMER OWEN PUGH SITE, FACTORY ROAD, BLAYDON ON TYNE, NEWCASTLE, NE21 5RU

DRAWN BY: CD
CHECKED BY: RR
DATE: MAY 2019

NWH

UNIT 5
MAYFIELD INDUSTRIAL ESTATE
DALKEITH
MIDLOTHIAN
EH22 4AD

DRAWING SCALE: 1:200
DRAWING NUMBER: NWH/036/IND/PLAN/201 REV B

Certificate No. CCC17807

Continuing Competence Certificate

This certificate confirms that

David Beveridge

Has met the relevant requirements of the Continuing Competence scheme for the following award(s) which will remain current for two years from 02/05/2018

TMNH Treatment - Non Hazardous Waste

Awarded: 02/05/2018

Expiry Date: 02/05/2020

Authorised

WAMITAB Chief Executive Officer

CIWM Chief Executive Officer

The Chartered Institution of Wastes Management

00120440

wamitab

Certificate No: 13745

CERTIFICATE OF TECHNICAL COMPETENCE

This Certificate confirms that

David Beveridge

Has demonstrated the standard of technical competence required for the management of a facility of the type set out below

Facility Type

Level 4 in Waste Management Operations -

Managing Transfer Non-Hazardous Waste (4TSNH)

Authorising Signatures:

Chief Executive Officer

Director:

Date of issue: 22 June 2015

00020849

wamitab

Certificate No: 13744

CERTIFICATE OF TECHNICAL COMPETENCE

This Certificate confirms that

David Beveridge

Has demonstrated the standard of technical competence required for the management of a facility of the type set out below

Facility Type

Level 4 in Waste Management Operations - Managing Treatment Non-Hazardous Waste (4TMNH)

Authorising Signatures:

Chief Executive Officer

Director:

Date of issue: 22 June 2015

00020850

wamitab

Certificate No: 13745

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00020849

NWH Waste Services Blaydon Fire Prevention Plan

Section 1 – Our site

This section details:

- **your activities**
- **your layout**
- **your infrastructure**
- **your local community**

Our Site

Activities	*Site description & summary* • The premises comprise detached industrial unit with staff parking to the front together with an excellent fully concrete surfaced compound. We calculate the site totals approximately 2.97 acres of which circa 2 acres are hardstanding. • The site was originally a builder's yard and more recently was owned by a civil engineering business. • The site is fully contained by a perimeter palisade fence, red facing brick and a block wall which would act as a barrier to contain any outbreak of fire. • The site is situated at the perimeter of an industrial estate and borders the River Tyne, the nearest residential areas are between approximately 500 to 1000 metres to the North, East, West and South of the site. • There is a scrap yard, Waste site and industrial units that border the site in most directions. • The River Tyne runs beside the Western boundary of the site • The site contains adequate fire equipment to comply with the County Fire Brigade standards and this standard shall be maintained through regular checks. • Any evidence of fire breakouts will be recorded in a site diary and the Environment Agency will be informed immediately. • No waste of any description shall be burnt on site. • All combustible waste is segregated from other waste types and stored in individual storage bays made up of concrete blocks to help the prevention of the fire spreading. • Flammable waste stockpiles are held on site and will be contained and segregated into appropriate short-term

	storage bays and inert waste such as hardcore, soils and concrete are stockpiled externally in an appropriately constructed concrete bays • All flammable liquids & materials are stored in containers in areas away from other waste types, liquids & buildings to prevent the spread of fire should a combustion occur • There is an entry and exit routes for fire service to access the site at the South East of the site and these are checked daily to ensure they are clear from any obstructions to ensure easy access • All entrances & exits to buildings serving as escape routes are checked daily to ensure they are clear from obstructions • All fire related signs are checked for effectiveness and are in place • Appropriate Firefighting equipment and several sources of running water are available on site • All firefighting equipment is checked and serviced periodically and recorded as required • Staff receive training in fire safety awareness as part of their general health & safety training program • Ongoing staff fire safety training is scheduled • The installation of smoke detection systems and the installation of thermal cameras within the waste sorting shed for the prevention of fires during closed hours has been installed
Your location plan and sensitive receptors review (see also site plan below)	TBC
Your site plan (this may be included in the plan above) There may need to be more than one plan to clearly identify all the features	*Annex 1 Drainage plan* *Annex 2 Drainage plan* *Annex 3 Site plan (Attached separately)*

NWH Waste Services Blaydon Fire Prevention Plan

Section 2 - Preventing fires

This section reviews the risks there are on your site and what procedures you have in place to minimise them. It needs to review all activities you undertake on site and cover when the site is operational and not operational.

Preventing Fires	
Pile sizes/volumes and dimensions	• General Waste including Cardboard, Paper & Plastics: Total 550tonnes • Hardcore including bricks, concrete, stones etc: Total stored 100 tons • Mixed wood & greenery: Total stored 60 tons • Plasterboard & gypsum products: Total stored 30 tons • Scrap metal: Total stored 10tonnes • Soil: Total stored 100 tons • UPVC: Total stored 5 tons

NWH Waste Services Blaydon Fire Prevention Plan

Storage duration	• General Waste including Cardboard, Paper & Plastics: Storage period 4 days • Hardcore including bricks, concrete, stones etc: Generally removed 14 days • Mixed wood & greenery: Generally removed daily • Plasterboard & gypsum products: Storage period: 7 days • Scrap metal: Total stored 10tonnes - Storage period Generally removed weekly • Soil: Total stored 400 tons - Storage period: Generally removed 14 days • UPVC: Total stored 5 tons - Storage period: Generally removed 10 days
Monitoring	*During the working hours* • Regular inspections to ensure all general sources of ignition such as heating pipes, naked flames, light bulbs, space heaters are kept at least 6 meters away from stacks of combustible and flammable materials such as waste stacks and fuel storage areas. • Combustible waste would be dowsed in water from sprinklers to reduce the likelihood of ignition if required. *After working hours* • Shut-off and lock-off of electrical power to the plant • Shut-off of other electrical items such as heaters • Clearance of waste which have accumulated under equipment • Ensuring that any flammable materials such as fuels have been secured • A fire-watch at least one hour after the end of operations • Checking of any waste containers awaiting processing to ensure that there are no undetected hot items or other materials which could start a fire • Check that mobile plant has been moved to a safe distance • Check that fire detection systems have been activated • Check that security systems including CCTV have been activated and that fences, gates etc are secure
Actions to limit self-heating	• Waste Streams will be monitored with heat detecting cameras 24 hours a day. Any hotspots highlighted will be removed and dowsed with water if required. • Stockpile will be kept to minimum and processed and removed from in the earliest time frame possible

	• Any stockpiling of baled waste will be kept to minimum, this will be monitored by thermal cameras, hand heat detection guns and turned regularly • All waste piles will be monitored as above and turned at least every 48 hours
Arson or vandalism	• The Site will be monitored by CCTV 24 hours a day and will be managed by a remote monitoring station. All suspicious behavior and unauthorised access will be reported directly to the Police.
Plant and equipment	*Mobile Plant* • 2 x wheeled shovels • 2 x tracked excavators • 1 x forklift *Fixed Plant* • Picking station, loading hopper, belts and sorting cabin • 1 Baler (Cardboard Baler) • All Plant will be inspected daily by the operator and all paperwork stored on site, all remedial works which impact safety or environmental actions will be dealt immediate or the plant will be taken out of service • All maintenance and preventive maintenance will as per manufacturers guidelines
Infrastructure and site inspections	The site will be inspected daily, once at the start of the working day and one at the end of the working day. Additional inspections may be carried out on an ad hoc basic depending on weather conditions. All site inspections that are carried out will be recorded in the site diary.
Electrical faults	All electrical appliances will be inspected regularly by user and PA tested annually with an asset register being kept. A fixed wire test will be completed upon installation and retested five yearly as per regulations and documentation kept up to date on site.
Ignition sources	• All electrical equipment is used & positioned correctly. Periodic checks are carried out by specialised contractors to ensure equipment is in a safe condition and suitable for the purpose • Flammable liquids such as diesel & hydraulic oil are stored within separate areas of the industrial unit in their designated containers. These containers are then placed into enclosed storage containers within the industrial unit to ensure prevention of any exposure to potential combustion.

NWH Waste Services Blaydon Fire Prevention Plan

Heat and spark prevention	• Hot Works - We occasionally require some hot works on vehicles & skip containers. Where possible all work of this type is done at contractor's premises away from our site. If it is necessary to carry out this type of work at our site, we require the contractor to produce both a method statement detailing how this work will be safely carried out and a hot works permit. Work of this nature is usually completed in the Westerly area of the site away from all waste piles and buildings.
Gas bottles and other flammable items	• Gas & oxygen cylinders are occasionally hidden in waste containers received onto site. All cylinders are immediately placed into the secure caged quarantine area of the site that is situated at south east area of the site. These cylinders are removed from site at earliest opportunity by the appropriate specialist contactors. While it is impossible to predict numbers of cylinders, we average approximately 10 per month.
Smoke/heat/flame detectors	• The Main Building will have a hard-wired fire alarm system connected directly to the Fire Service, the building will have heat and smoke detectors • The Waste shed will have heat detecting cameras hard wired to the Fire Service and the waste level will be manually checked twice a day with a handheld heat detector.

Section 3 - Reducing the impact of a fire

This section details the additional information that you will need to set out to provide evidence that if a fire were to occur on your site that it can be extinguished in less than 4 hours. In most cases this will be achieved by active firefighting. Your justification needs to be given for how waste will be managed on your site to enable this and will depend on the location and scale of the site/operation detailed in section 1. Justification should be from an environmental risk perspective rather than financial.

Management and Storage of Waste

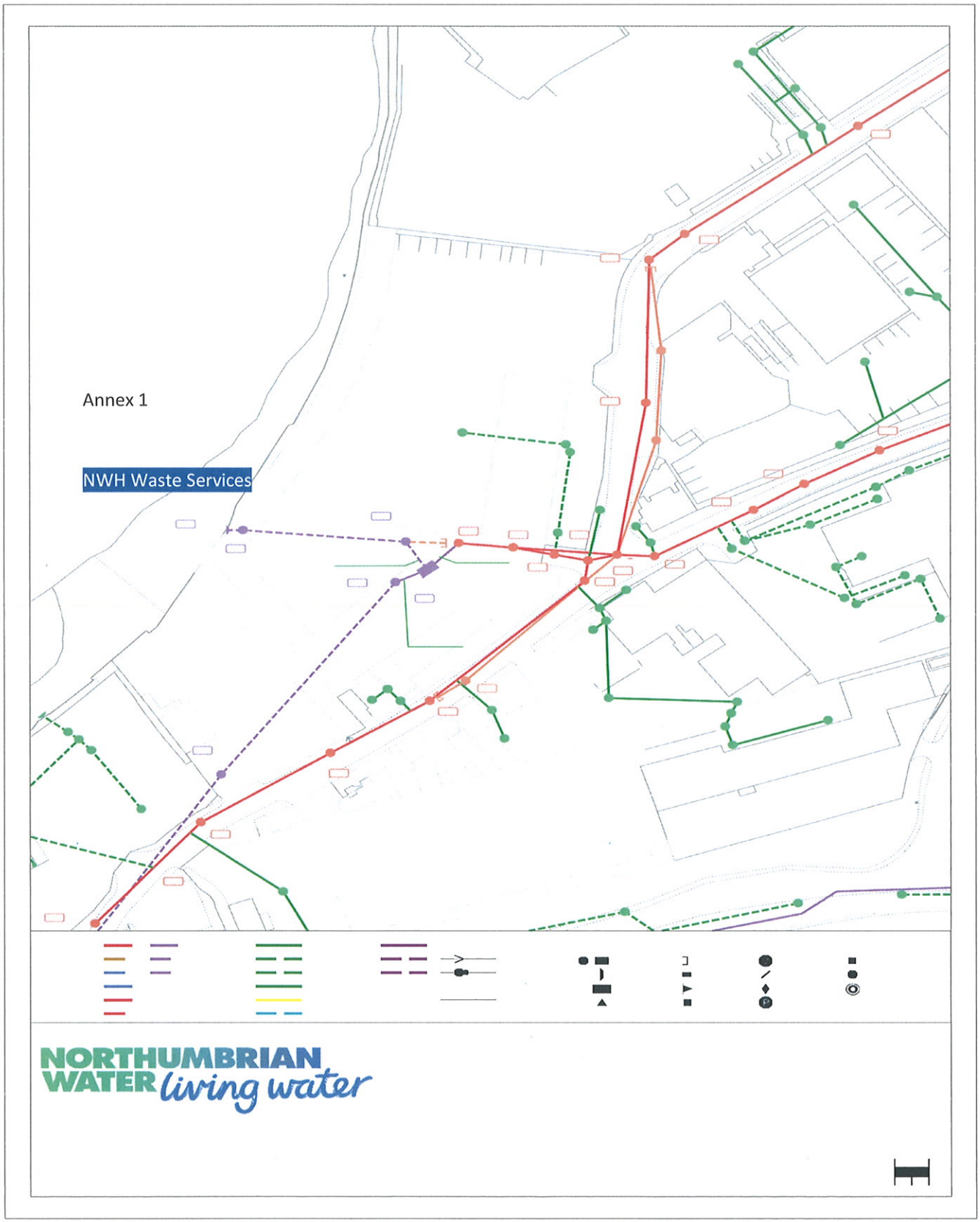
Waste acceptance – incompatible/hot loads	• We will only accept waste to the limits agreed as per permit requirements. • The Waste location/collection point will be requested before collection to ensure full understanding of the waste streams original source, this will help to reduce the chance of self-combustion • We will not accept waste on this site if it is incompatible or contains hot loads. • If either is found within waste containers it will immediately be relocated to the quarantine area and thereafter removed from site • The waste will be in a loose form on arrival site, it will then be sorted, stored and removed. DMR will be processed and baled, stored then removed from site.
Waste acceptance – permitted waste	• General Waste including Cardboard, Paper & Plastics: Total 1000 tons • Hardcore including bricks, concrete, stones etc: Total stored 300 tons • Mixed wood & greenery: Total stored 60 tons • Plasterboard & gypsum products: Total stored 30 tons • Scrap metal: Total stored 10tonnes • Soil: Total stored 300 tons • UPVC: Total stored 10 tons

NWH Waste Services Blaydon Fire Prevention Plan

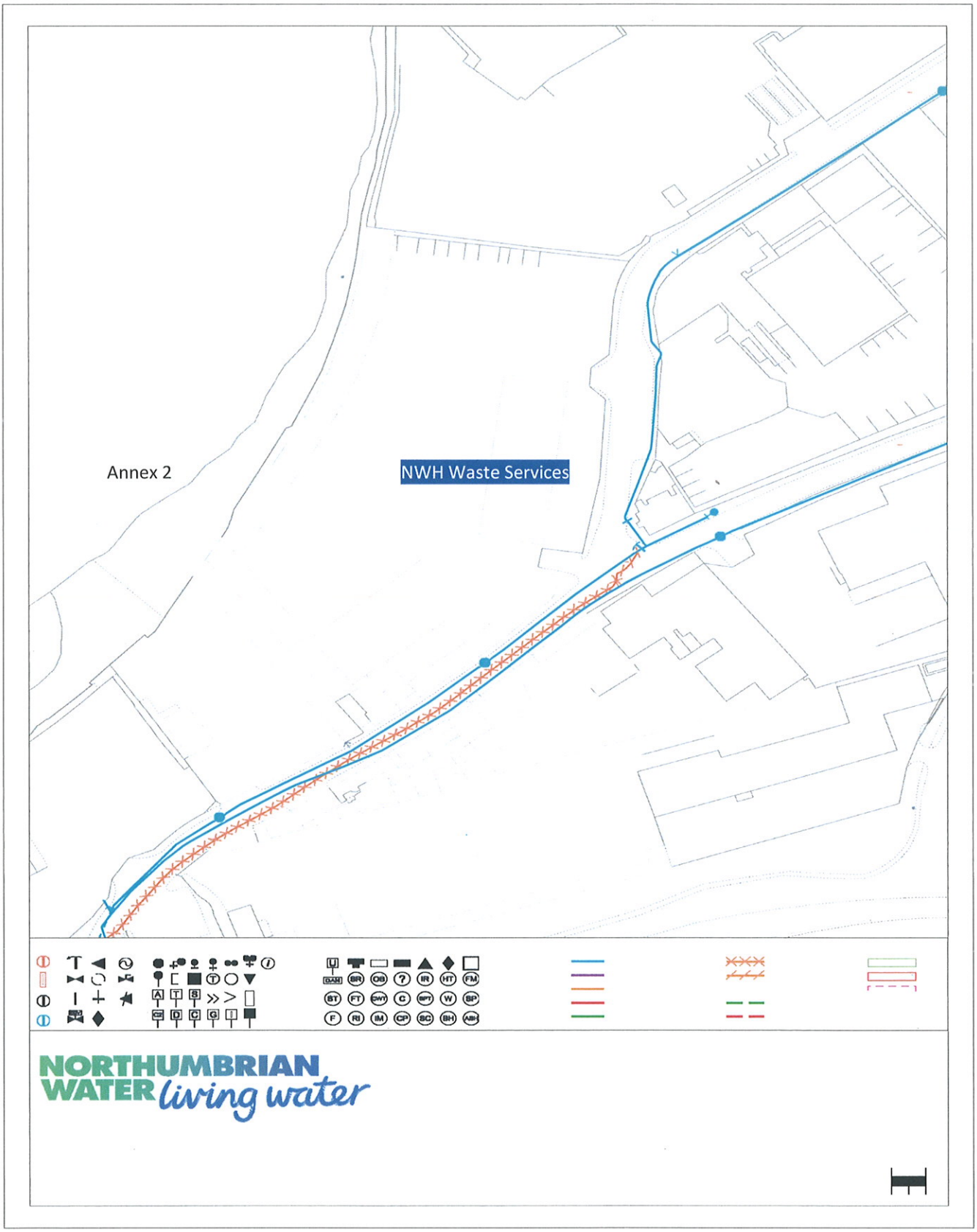
	All waste sources will be identified before entry to ensure full understanding of any pre-treatment i.e. shredding
Waste treatment	Waste will be treated within 48 hours upon arrival on site, the treatment will be sorting and bailing and will not increase the chance of preheating. The material will then be stored before being forwarded onto an alternative external location.
Waste storage – separation distances	Waste stacks will be a minimum of 5 metres apart and no more than 4 metres high.
Fire Walls	There will be no fire walls between stacks however, Concrete bays will be formed by the means of Concrete black 1.5 metres long by 0.75 metres wide and will form a brick work bay. The concrete block wall/bay will provide an element of fire protection that should withstand fire resistance for the required 120 minutes. All waste piles will be monitored daily and waste turned at least every 24 hours.
Quarantine area	Quarantine area is highlighted on the site plan and situated in the South West Area of the site, situated well away from all waste stacks. The area can hold at least 50% of the volume of the largest pile (or row of ELVs/containers etc.). There will be a separation distance of at least 6 metres around the quarantine area. This could be used effectively to douse burning material or clear un-burnt material to protect it from combustion.
Storage within buildings and suppression systems	Storage within the buildings will be kept to the aforementioned levels, with the materials regularly being turned and thermal camera and heat detection guns being utilised. A dousing system will be in use constantly to dampen loose product. There will be access to an external fire hydrant for use by the Fire and Rescue Service.
Active fire fighting	• We will ensure active fire fighting by ensuring the following: • We will ensure all water hydrants are easily accessible and identifiable. These will be checked as per guidelines to ensure functionality. • Large wheeled shovels and 360 excavators are on site and on hand to move material as required to minimise fire spreading, this would involve moving material as required to a safe area. • The mains water supply runs parallel with the site and situated on the main road just in very close proximity to the site. • There will be an adequate stockpile of soil kept on site to suffocate a fire and limit oxygen supply, this will be agreed with Environment Agency before being implemented. • Burnt material will be removed by on site plant machinery

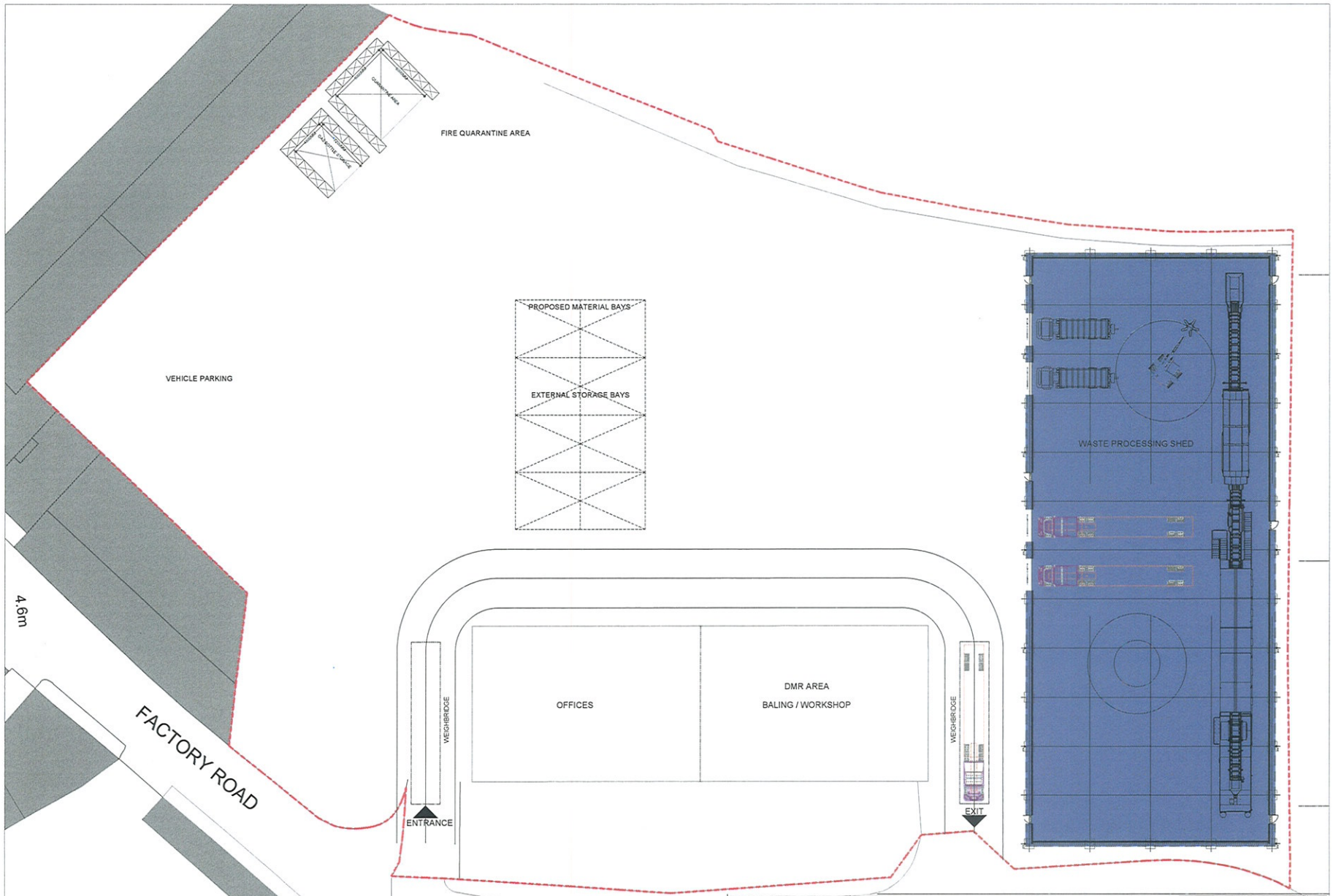
	and placed in a safe area to be dowsed before being removed to an appropriate facility.
Water supply	• Standard 64mm (2.5 inches) Hydrant water supply. In addition, there will be a standard 32mm Mains water pipe supplying a site. • Using the above water supply will supply enough water to actively manage a worst-case scenario. We anticipate no waste stack will be larger than 300 cubic metres therefore, we're confident the above water system can supply at least 2,000 litres a minute for a minimum of 3 hours for a 300 cubic metre pile of combustible material.
Firewater containment	• There is a drainage ditch running full length of the site on Southern perimeter which will be regularly checked and kept clear of blockages. • Using socks fire water can be channeled into this ditch which leads to a foul water sewer.
Contingency for during the incident	In the event of a fire and the requirement to exercise a contingency plan: • All waste will be diverted to appropriately licensed local Waste Transfer Stations until a full site assessment has taken place and is deemed safe for use • All contaminated waste will be removed to an appropriate facility. This will be loaded by site machinery onto vehicles with appropriate containers for handling such waste • We will communicate with local neighbors via social media a mail drop. • All site staff will have access to the FPP, emergency procedures, contact details and site plans, these will be kept in the site office. • All staff will be trained in the Site Fire prevention plan to ensure full understanding

NWH Waste Services Blaydon Fire Prevention Plan



NWH Waste Services Blaydon Fire Prevention Plan





PROPOSED INDUSTRIAL UNITS - 1:200