



**APPLICATION FOR AN ENVIRONMENTAL PERMIT
UNDER THE ENVIRONMENTAL PERMITTING
(ENGLAND AND WALES) REGULATIONS 2016
(AS AMENDED)**

NOISE MANAGEMENT PLAN



**PLATTS AGRICULTURE LIMITED,
MINERS PARK, LLAY INDUSTRIAL ESTATE,
LLAY, WREXHAM**

**ECL Ref: PLAT.01.02/NMP
January 2022
Version: Issue 1**

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ACRONYMS / TERMS USED IN THIS REPORT

CCTV	Closed Circuit Television
EA	Environment Agency
ECL	Environmental Compliance Limited
EMS	Environmental Management System
EP	Environmental Permit
EWC	European Waste Catalogue
FLT	Fork Lift Truck
FPP	Fire Prevention Plan
FRS	Fire Rescue Service
Ha	Hectares
HGV	Heavy Goods Vehicle
NGR	National Grid Reference
NIA	Noise Impact Assessment
NMP	Noise Management Plan
NRW	Natural Resources Wales
NSR	Nearest Sensitive Receptors
OS	Ordnance Survey
Platts	Platts Agriculture Limited
PPMR	Planned Preventative Maintenance Routine
SLM	Sound Level Meter
SPL	Sound Pressure Level
The Facility	Platts Agriculture Waste Wood Processing Facility

1. INTRODUCTION

1.1. Requirement for a Noise Management Plan

1.1.1. Environmental Compliance Limited (“ECL”) has been commissioned by Platts Agriculture Limited (“Platts”) to prepare a Noise Management Plan (“NMP”) to form part of the bespoke Environmental Permit (“EP”) application for a proposed wood waste processing facility, hereafter referred to as “the Facility” located in Llay Industrial Estate, Llay, Wrexham.

1.1.2. Platts propose to undertake one Specified Waste Operation as follows:

- storage of non-hazardous waste wood with treatment limited to pulverising to produce wood dust for use as bedding material and cubicle conditioner within the agricultural livestock sector.

1.1.3. Following correspondence with Natural Resources Wales (“NRW”), it has been requested that both a Noise Impact Assessment (“NIA”) and a Noise Management Plan are submitted as part of the Permit application. Consequently, a NIA has been undertaken (PLAT.01.02/NIA) and a NMP has been prepared to address NRW’s request.

1.1.4. The NIA (PLAT.01.02/NIA) should be read in conjunction with this NMP. The NIA concluded that noise generating activities at the Facility were unlikely to have any adverse impact on the nearest sensitive receptor (“NSR”) locations. Further calculations of the sound pressure levels (“SPL”) attenuation with distance determined that the contribution from on-site noise generating activities was below the background noise levels at the NSR locations and would not affect the ambient noise levels at these locations.

1.1.5. Consequently, the noise generating activities at the Facility can be considered insignificant, as long as there are no changes in ambient noise levels at the NSR locations. Nevertheless, Platts understand and accept responsibility for controlling noise impact at the Facility and in order to ensure the controls in place at the Facility are documented and as robust as possible, this NMP has been prepared in accordance with the Environment Agency (“EA”) online guidance ‘*Noise and vibration management; environmental permits*’¹(in the absence of equivalent NRW guidance).

1.1.6. The NMP has been prepared to demonstrate Platts competence and commitment to controlling noise pollution. The NMP outlines all activities which have the potential to cause noise nuisance and details the systems and controls in place to manage that risk effectively.

1.1.7. The NMP addresses the following issues:

- the activities which could cause noise nuisance;
- identification of NSR;
- process controls and procedures;
- monitoring regime;
- emergency scenarios;
- potential corrective actions;

¹ EA Online Guidance, ‘*Noise and vibration management: environmental permits*’, available at: <https://www.gov.uk/government/publications/noise-and-vibration-management-environmental-permits/noise-and-vibration-management-environmental-permits>, published July 2021, accessed November 2021.

-
- complaints procedure; and
 - record keeping.

1.1.8. The NMP provides a management framework comprising of proactive and reactive measures to manage and control noise emissions from the Facility. This proactive approach will facilitate the ongoing development of operational procedures and controls as part of an on-going commitment to improving environmental performance. Reactive procedures will also be established within the NMP for the logging, evaluation, and implementation of corrective actions in the event of any noise related complaints being received.

1.1.9. Platts understand and accept responsibility for controlling noise impact from site activities and it is the Managing Director who is responsible for overseeing the effective implementation of the NMP and ensuring compliance is maintained.

2. DESCRIPTION OF THE SITE AND THE PROPOSED ACTIVITIES

2.1. Site Location and Settings

- 2.1.1. The Facility will be located on Miners Park, Llay Industrial Estate, Llay, Wrexham, LL12 0PJ. The Facility is centred on the Ordnance Survey (“OS”) National Grid Reference (“NGR”) 332077 356370 and will occupy an area of approximately 1.56 Hectares (“Ha”).
- 2.1.2. The Site Location Plan (Drawing Reference PLAT.01.02-01) details the proposed EP boundary (outlined in green) and is provided in Appendix I of this NMP.
- 2.1.3. Figure 1 provides the indicative location of the Facility (red outline) within the context of the surrounding environment.

Figure 1: Indicative Site Location



- 2.1.4. The Facility is located within Llay Industrial Estate which contains numerous industrial and commercial units surrounded predominantly by agricultural land. The former sand and gravel quarry is located approximately 0.13km south of the proposed EP boundary.
- 2.1.5. Llay village is located approximately 0.84km south east of the EP boundary at its nearest point. Residential land use is also located approximately 0.36km north, 0.39km south east and 0.55km south west of the EP boundary.
- 2.1.6. The surrounding land uses, colour coded for each different land use, within 1km of the Facility’s Environmental Permit boundary are displayed on the Sensitive Receptor Plan (Drawing PLAT.01.02-03) contained in Appendix I.

2.2. Description of the Proposed Activities

- 2.2.1. Platts propose to apply for a bespoke waste operation Environmental Permit to undertake one specified waste operation as follows:
- storage and treatment of non-hazardous waste wood with treatment limited to pulverising to produce wood material for use as animal bedding and cubicle conditioner within the agricultural livestock sector.

- 2.2.2. Platts propose to accept 60,000 tonnes of non-hazardous wood waste per annum at the Facility. The proposed European Waste Catalogue (“EWC”) codes to be accepted and processed are detailed in Table 1.

Table 1: Proposed EWC to be Accepted

Code	Description
02	WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING
02 01	Wastes from agriculture, horticulture, forestry, hunting and fishing
02 01 07	Wastes from forestry
03	WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD
03 01	Wastes from wood processing and the production of panels and furniture
03 01 05	Sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 0 4
17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCATED SOIL FROM CONTAMINATED SITES)
17 02	Wood, glass and plastic
17 02 01	Wood

- 2.2.3. Clean, uncoated and untreated waste wood is to be used to produce animal bedding products.
- 2.2.4. Wood waste which has been previously coated will not be used to produce animal bedding. The clean untreated wood waste will not be mixed with this wood waste.
- 2.2.5. The treated wood waste is to be kept entirely separate from the clean untreated wood waste and will be pulverised to produce a cubicle conditioner. The cubicle conditioner is applied in limited quantities (1 large cup) on the mat or mattress to control moisture and to keep cattle clean and hygienic.
- 2.2.6. The waste management operations proposed to be carried out at the Facility specified in Annex I and Annex II of the Waste Framework Directive 2008 are detailed below:
- **R3:** Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes); and
 - **R13:** Storage pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced).

3. POTENTIAL SOURCES

3.1. On-Site Sources

3.1.1. The potential sources of noise emissions from the Facility activities include:

- heavy goods vehicle (“HGV”) movements transporting waste into the Facility and removing finished product from the Facility;
- operation of diesel-powered forklift trucks (“FLT”) loading and unloading trailers and moving material around the Facility; and
- processing activities including operation of hammer mills and extraction systems.

3.2. Other Local Contributors of Noise Emissions

3.2.1. The immediate setting around the Facility is industrial and commercial units. The Llay Industrial Estate is comprised of a mixture of commercial and industrial units. The types of industry operating on the estate that may contribute to the ambient sound levels in the area include woodworking, asphalt mixing, building materials supply and aerospace manufacture.

3.2.2. The North Wales Auto Grass Track is also located approximately 0.9km south west of the Facility and will be a noise contributor in the vicinity during race days.

3.2.3. It should be noted that during the daytime and night-time monitoring periods at each of the NSR locations as part of the NIA, the predominant noise source, whether the Site was operating or not, was HGV traffic on the B5102 Llay Road travelling to and from the direction of the industrial estate.

3.2.4. The other local contributors of noise emissions should be taken into account in the event of a complaint being received at the Facility. Community liaison and response to complaints is covered in Section 6.2 of this NMP.

4. POTENTIAL SENSITIVE RECEPTORS

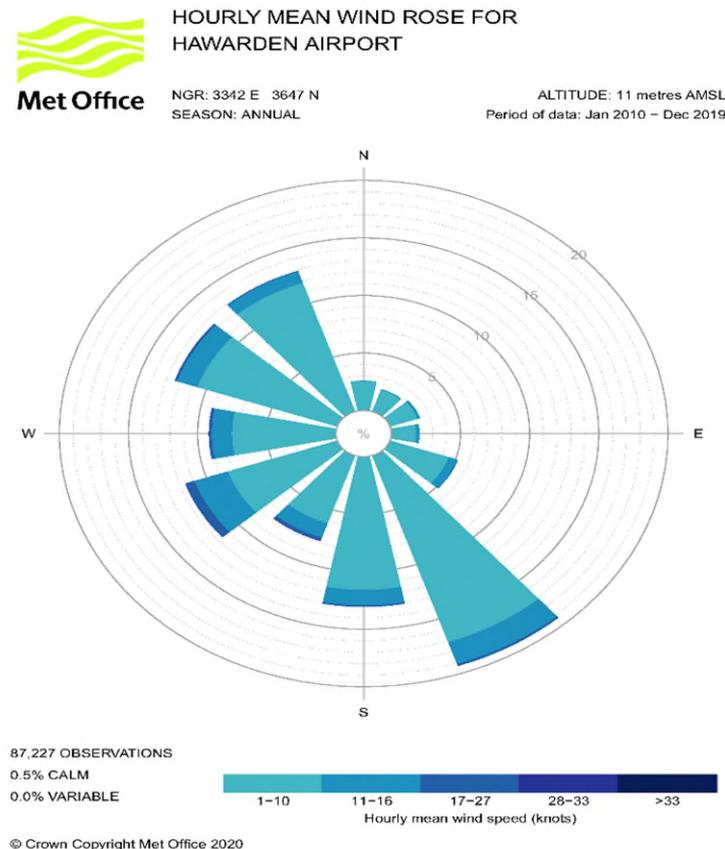
4.1. Consideration for Identifying Sensitive Receptors

4.1.1. To determine the severity of emission i.e. noise nuisance which may arise from the Facility, the sensitivity of the receiving environment and potential receptors have been considered.

4.1.2. The degree of sensitivity in a particular location is based on the characteristics of the land use, including the reason why people are at the particular location (e.g. for work, recreation or residence).

4.1.1. It can also be influenced by the meteorological conditions at the site and surrounding area. The wind rose provided by Hawarden Airport Meteorological Station which is provided in Figure 2 reveals the wind direction is predominately south easterly. Therefore, noise emissions are likely to be blown away from the direction of the human sensitive receptors (see Figure 3).

Figure 2: Annual Wind Rose (2010-2019) – Hawarden Airport



4.1.2. Additionally, the degree of sensitivity depends on the distance from the emission source as the closer the receptor is to the source, the higher the potential for nuisance will be at the location. Therefore, the sensitive receptors within 500m of the Facility have been considered in this NMP.

4.1.3. A summary of the environmental setting is provided in Table 2.

Table 2: Surrounding Land Uses

Boundary	Description
North	Industrial and commercial units within Llay Industrial Estate, open space/green fields, agricultural land and small areas of residential housing.
East	Industrial and commercial units within Llay Industrial Estate, open fields, agricultural land and small areas of residential housing.
South	Industrial and commercial units within Llay Industrial Estate, former sand and gravel quarry, agricultural land, woodland, Llay Bog SSSI, village of Llay including residential land use, public house and school.
West	Open fields/green space, agricultural land and the village of Cefn-y-bedd including residential land use and school.

4.1.4. Potential sensitive human receptors within 500m radius are identified in Figure 3 and Table 3.

Figure 3: Identified Human Receptors within 500m of the Facility Permit Boundary



Table 3: Human Receptors within 500m of the Facility

Ref	Description	Centre Point		Nearest Point	
		Easting	Northing	Distance from Permit Boundary (km)	Direction
H1	Llay Industrial Estate - North	332313	356581	0	N
H2	Llay Industrial Estate - South	332103	356240	0	S
H3	Llay Industrial Estate - East	332491	356424	0	E
H4	Commercial and Residential – Farm Off Llay Road	331527	356155	0.38	SW
H5	Residential – Llay Road (The Meadows Barns)	332486	356042	0.38	SE
H6	Llay Industrial Estate – South East	332908	356174	0.43	SE

4.1.5. The potential sensitive receptors within a 1km radius of the EP boundary are shown on the Sensitive Receptors Plan (Drawing Reference PLAT.01.02-03) contained in Appendix I of this NMP.

5. OPERATIONAL AND PROCESS CONTROLS

5.1. General Control Measures

5.1.1. Personnel will be suitably trained in the conditions of the Environmental Permit and Environmental Management System (“EMS”) which includes relevant management plans. The Facility will be managed in accordance with the EMS which is reviewed regularly to ensure it remains appropriate and up to date.

5.2. Planned Preventative Maintenance Regime

5.2.1. All machinery will be maintained in good working order as per the Planned Preventative Maintenance Regime (“PPMR”). Any malfunction or breakdown leading to abnormal noise emissions will be dealt with promptly and operations modified or suspended until normal working practices can be restored.

5.2.2. Under the PPMR, machinery is subject to pre-use and daily checks as well as regular scheduled inspections at appropriate time intervals.

5.3. Noise Monitoring

5.3.1. Operators have been trained in the prompt identification and reporting of abnormal noise generated on site. As part of the daily site checks, the presence of noise and or vibration around the external areas of the Facility will be monitored and comments and actions taken will be recorded. A blank example of the Daily Site Monitoring Checksheet is provided in Appendix II.

5.3.2. Additionally, as recommended by the NIA, periodic boundary noise monitoring will be performed every 6 months to determine any changes in the intensity of the sound over time. The monitoring does not require a fully compliant sound level meter (“SLM”) and associated equipment as monitoring is only to provide an indication of change in the potential impact of the on-site noise generating activities. Should the periodic monitoring suggest on-site noise levels are increasing, fully compliant monitoring of the noise generating activities on the Site will be undertaken and impact at the NSR locations repeated to determine the potential degree of impact on the NSRs.

5.3.3. The indicative boundary monitoring location points are shown as yellow circles in Figure 5 below.

Figure 5: Indicative Bi-annual Noise Monitoring Locations



5.3.4. The findings of the bi-annual boundary monitoring and any associated mitigation measures implemented will be recorded as part of the EMS.

5.4. Process Stages, Potential Emission Sources and Associated Risk Level

5.4.1. Table 4 details the environmental risk assessment undertaken for noise arising at the Facility. It can be observed that the control measures reduce the overall risk to insignificant.

Table 41: NMP Risk Assessment and Control Measures

Potential Source	Receptor	Pathway	Control and Mitigation Measure	Probability of Exposure	Consequence	Overall Risk
HGV movements transporting waste into the Facility and removing finished product from the Facility.	Human receptors in the local area	Releases to air	<p>The waste remains in the control of Platts during transport to the Facility. All vehicles are serviced and Ministry of Transport (“MOT”) road worthy.</p> <p>All vehicles will be limited to 5mph on site and must adhere to the internal designated routing system which has been designed to reduce movements on site and hence reduce the intermittent beeping generated from reversing manoeuvres as required for the health and safety of all workers.</p>	Low	Noise nuisance	Insignificant
Operation of diesel-powered forklift trucks loading and unloading trailers and moving material around the Facility	Human receptors in the local area	Releases to air	<p>All vehicles will be limited to 5mph on site and must adhere to the internal designated routing system which has been designed to reduce movements on site and hence reduce the intermittent beeping generated from reversing manoeuvres as required for the health and safety of all workers.</p> <p>All movements are undertaken by trained and competent Platts personnel. Refresher training is included as part of the company’s training programme.</p> <p>FLT daily checks are undertaken to ensure that they are in a good working condition and any faults are identified and addressed prior to operation around site. All site vehicles are also subject to annual servicing and maintenance checks.</p>	Low	Noise nuisance	Insignificant

Table 42: NMP Risk Assessment and Control Measures (Cont.)

Potential Source	Receptor	Pathway	Control and Mitigation Measure	Probability of Exposure	Consequence	Overall Risk
Processing activities including operation of hammer mills and extraction systems	Human and ecological receptors in the local area	Releases to air	All operations are located within designated areas of the Facility. The processing activities are located away from the Permit boundary to reduce the likelihood of noise nuisance being experienced by sensitive receptors such as those in residential areas as impact reduces with distance.	Low	Noise nuisance	Insignificant
			The majority of processing activities are undertaken internally to provide sufficient noise attenuation.			
			All site plant and equipment are covered by the planned preventative maintenance regime (“PPMR”) contained within the EMS to ensure adequate maintenance of any parts of plant or equipment whose deterioration may give rise to increases in noise.			
			All personnel will be trained in noise management and the prompt reporting of any abnormal noise so that it can be rectified immediately.			

5.5. Emergency Scenario Contingency Measures

- 5.5.1. In the event of an accident/unexpected incident such as fire, breakdown, extreme weather conditions and staff absences, the following emergency measures will be implemented on site to manage the risk of noise emissions. In exceptional circumstances, Senior Management will discuss whether to cease part or all of the site operations. The emergency contingency measures are detailed in Table 5.

Table 5: Emergency Scenario Contingency Measures

Emergency Scenario	Contingency Measures
Extreme weather conditions – high wind, humidity and temperature	During extreme weather conditions of high wind, humidity and temperature when noise complaints are more likely due to residents opening windows and doors, Platts will review scheduling of activities to investigate the possibility of undertaking those activities which do not involve noise generation during the night-time hours. However, it should be noted that during the heatwave conditions experienced in 2020, no noise complaints were received at the Facility.
Fire/Explosion	<p>The Fire and Rescue Service (“FRS”) and the NRW will be informed. Platts personnel will be instructed to implement the emergency procedures such as those detailed in the Fire Prevention Plan (PLAT.01.02/FPP) which is submitted as part of this application and also forms part of the EMS.</p> <p>Waste will not be accepted at the site until operations re-commence.</p> <p>Once the site or affected area is deemed safe by the FRS, repairs will be undertaken and/or replacement equipment will be sourced. Start-up of equipment will be undertaken gradually by trained personnel to ensure optimal performance of equipment prior to full commencement of waste activities.</p>
Staff Absences	<p>Platts has assigned responsible persons and deputies in the case of staff absence.</p> <p>At the start of each working day, the Site Manager will instruct the deputy in the case of staff absence to ensure all measures outlined in this NMP are undertaken. All employees will be fully trained in the NMP and nominated personnel are available to attend site out of normal working hours.</p>
Breakdown or malfunction of the process line and/or abatement system	<p>Staff will be alerted of any problems with the site equipment and extraction systems via the sounding of an automatic alarm from the system control panel.</p> <p>Should either the process line or the abatement system fail or malfunction causing excess noise emissions, no further waste shall be input to the process line and the emergency stop button, located on the side wall adjacent to bailer 2, will be pressed, halting all operations.</p> <p>Commencement of operations will only be permitted once the fault or malfunction has been rectified by qualified personnel.</p>

6. COMMUNITY LIAISON AND RESPONSE TO COMPLAINTS

6.1. Community Liaison

- 6.1.1. Platts maintains an open and transparent relationship with the local community.
- 6.1.2. Contact details are provided on the company website² including a telephone number, email address and live chat for general enquiries. Platts welcome correspondence using these provided methods of communication. If necessary, a Platts representative can also attend local community meetings.
- 6.1.3. Platts has confirmed that at the time of writing the NMP, there have been no noise complaints received relating to the activities undertaken at the Facility.

6.2. Response to Complaints

6.2.1. Initial Response – Data Gathering

- 6.2.1.1. If a noise complaint is received either from a member of the public or NRW, the complaint will be fully investigated within 8 working hours.
- 6.2.1.2. Platts will request as much information as possible from the complainant, such as:
- date and time the problem was first identified;
 - location of complainant;
 - description of the noise to help identify the likely source of the noise; and
 - frequency and/or intensity of problem.
- 6.2.1.3. This information will help inform and structure the investigation to be undertaken.

6.2.2. Noise Complaint Investigation

- 6.2.2.1. The investigation will include the following:
- undertaking a site inspection to establish whether any abnormal noise emissions can be identified;
 - viewing Closed Circuit Television (“CCTV”) footage to determine if unloading, processing or vehicle movements were occurring at the time to try and establish the potential origin;
 - speaking with operators and any contractors on site at the time of the event who may be able to provide further information regarding the occurrence or have observed the abnormal noise emissions;
 - discussions with operators to establish any changes to normal operating condition, for example, any malfunction of equipment or abstraction systems.

² Company Website, available at: <https://www.plattsanimalbedding.co.uk/>, accessed November 2021.

6.2.3. **Noise Complaint – Corrective and Preventative Measures**

6.2.3.1. Once the investigation has been completed and the complaint substantiated, Platts will determine and implement suitable corrective and preventative measures. The type and level of corrective and preventative measures will be dependent on the root cause and scale of the noise. Examples of the corrective and preventative measures may include:

- immediately ceasing of operations in areas of site where the abnormal noise emissions have been identified until preventative measures can be implemented; successfully;
- review and inspect all processing equipment and abatement systems to ensure they are operating appropriately;
- undertake any maintenance required on equipment;
- investigate the need for any noise abatement; and
- further staff training on noise monitoring and control measures to be undertaken.

6.2.3.2. NRW will be informed of the nuisance complaint investigation findings and proposed corrective and preventative measures which have been implemented to rectify the situation.

6.2.4. **Noise Complaint – Evaluation of Corrective and Preventative Measures**

6.2.4.1. Follow up inspections will be undertaken to ascertain whether the corrective and preventative measures above are successful in controlling and reducing noise emissions which will see a reduction in complaints. These inspections and associated findings will be recorded and held within the EMS.

6.2.5. **Timescales**

6.2.5.1. The timescales associated with the complaint procedures are as follows:

- investigate complaint – within 8 working hours; and
- corrective measures – immediately or where specialist contractors are required within 1-2 working days; and
- preventative measures– within 5 working days.

6.2.6. **Feedback to Complaints**

6.2.6.1. Platts will discuss complaint investigation findings and the associated corrective and preventative actions which have been implemented directly with the complainant.

6.2.6.2. A visit to site will be offered to the complainant in order to walk through the process and to discuss the measures taken to reduce noise on site.

6.2.7. **Records**

6.2.7.1. NMP records are kept in accordance with the procedures established in their EMS.

6.2.7.2. The type of information that will be recorded relates to:

- detailed description of the complaint received;
- the investigation findings including root cause;
- all corrective and preventative measures implemented; and
- evaluation of measures and complaint close out by Senior Management.

7. NMP REVIEW

7.1.1. The NMP will form part of the EMS and the continuing effectiveness of the NMP will be reviewed by Senior Management annually or in the event of the following:

- any surrounding land use changes and any future developments that may increase or alter the impact;
- any changes to site activities which have the potential to result in noise nuisance; and/or
- if a substantiated complaint is received and it is clear control measures have failed.

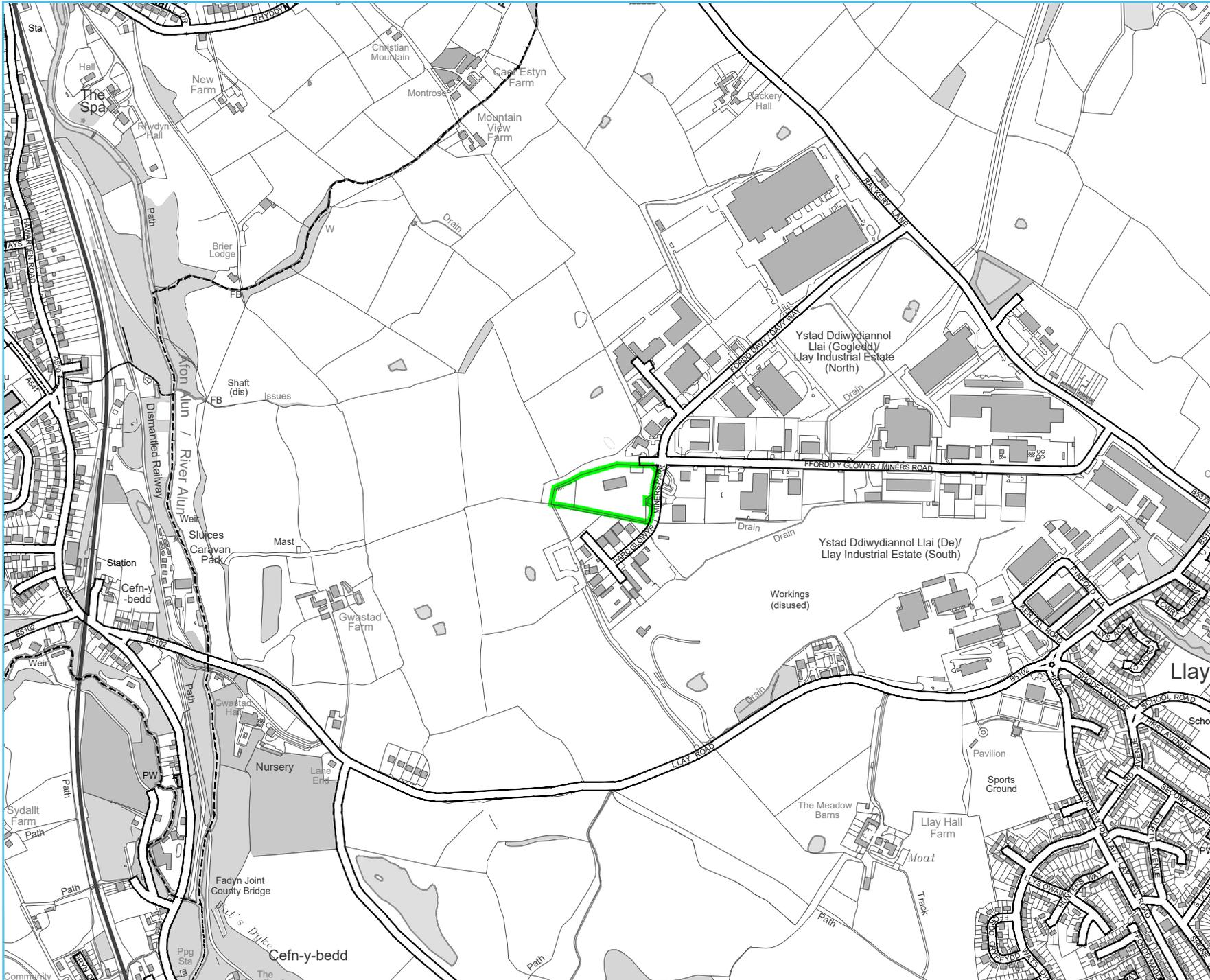
7.2. The reviews will take into account monitoring records, compliance records, complaints history, site records and any recent sensitive developments on neighbouring land. The plan will be amended as necessary, including any changes to the control measures.



APPENDIX I DRAWINGS

LEGEND

 ENVIRONMENTAL PERMIT BOUNDARY



Rev	Date	Details	Chkd
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Environmental Compliance Ltd. 
 Unit G1
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 CF37 5YL
 Tel: 01443 841760
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Client

 EST 1973
 PLATTS
 AGRICULTURE

Date	Scale	Drawn by	Checked by	Approved by
27/01/2022	1:10K @ A4	GTB	HR	SM

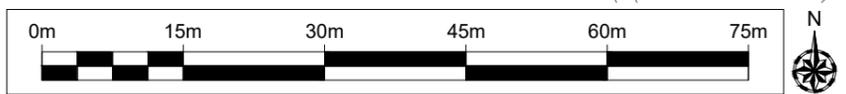
Drawing Status
FINAL DRAWING

Project Title
 ENVIRONMENTAL PERMIT APPLICATION
 PLATTS AGRICULTURE LIMITED
 MINERS PARK, LLAY INDUSTRIAL ESTATE
 LLAY
 WREXHAM

Drawing Title
 SITE LOCATION PLAN

Drawing Number	Rev
PLAT.01.02-01	1

- LEGEND**
- ENVIRONMENTAL PERMIT BOUNDARY
 - CONCRETE
 - BUILDINGS
 - TRAILERS CONTAINING UNPROCESSED MATERIAL
 - FULL TRAILERS PAS 111 COMPLIANT PRODUCT
 - PAS 111 COMPLIANT PRODUCT
 - BUNDED RED DIESEL TANK
 - NON-CONFORMING WASTE QUARANTINE AREA
 - EXTRACTION TRAILER - 4.4m(L) X 2.55m(W)



Rev	Date	Details	Chkd

Environmental Compliance Ltd.
 Unit G1
 The Willowford
 Main Avenue
 Troforest Industrial Estate
 Pontypridd,
 CF37 5YL

ecl.
 Tel: 01443 841760
 Fax: 01443 841761
 Email: info@ec.world
 Web: www.ec.world

Client



Date	Scale	Drawn by	Checked by	Approved by
27/01/2022	1:750 @ A3	GTB	HR	SM

Drawing Status: **FINAL DRAWING**

Project Title:
 ENVIRONMENTAL PERMIT APPLICATION
 PLATTS AGRICULTURE LIMITED
 MINERS PARK, LLAY INDUSTRIAL ESTATE
 LLAY
 WREXHAM

Drawing Title:
 SITE LAYOUT PLAN

Drawing Number: **PLAT.01.02-02** Rev 1



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LEGEND

- ENVIRONMENTAL PERMIT BOUNDARY
- 1000m OFFSET BOUNDARY
- DOMESTIC DWELLINGS
- COMMERCIAL / INDUSTRIAL PREMISES
- GRASS / SHRUB
- TREES / WOODS
- ROAD FEATURES
- SURFACE WATER FEATURES
- LLAY BOG SITE OF SPECIAL SCIENTIFIC INTEREST
- BLAST POND LOCAL WILDLIFE SITE
- RHYDYN HALL GRASSLAND LOCAL WILDLIFE SITE
- GREAT CRESTED NEWTS DESIGNATED HABITAT AREA

HOURLY MEAN WIND ROSE FOR HAWARDEN AIRPORT

Met Office

NOR: 3942 E 3647 N ALTITUDE: 11 metres AMSL
 PERIOD OF OBS: Jan 2010 - Dec 2019

87,227 OBSERVATIONS
 0.5% CALM
 0.5% VARIABLE

1-10 11-15 17-27 28-33 >33
 Hourly mean wind speed (knots)

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Rev	Date	Details	Chkd

Environmental Compliance Ltd. ecl.
 Unit G1
 The Willowford
 Main Avenue
 Treforest Industrial Estate
 Pontypridd,
 CF37 5YL

Client: **PLATTS** (EST 1973) AGRICULTURE

Date	Scale	Drawn by	Checked by	Approved by
27/01/2022	1:7.5K @ A3	GTB	HR	SM

Drawing Status: **FINAL DRAWING**

Project Title: ENVIRONMENTAL PERMIT APPLICATION
 PLATTS AGRICULTURE LIMITED
 MINERS PARK, LLAY INDUSTRIAL ESTATE
 LLAY
 WREXHAM

Drawing Title: SENSITIVE RECEPTOR PLAN

Drawing Number: **PLAT.01.02-03** Rev 1

- LEGEND**
- ENVIRONMENTAL PERMIT BOUNDARY
 - CONCRETE
 - BUILDINGS
 - TRAILERS CONTAINING UNPROCESSED MATERIAL
 - FULL TRAILERS PAS 111 COMPLIANT PRODUCT
 - PAS 111 COMPLIANT PRODUCT
 - BUNDED RED DIESEL TANK
 - NON-CONFORMING WASTE QUARANTINE AREA
 - EXTRACTION TRAILER - 4.4m(L) X 2.55m(W)
 - FPP QUARANTINE AREA
 - ▲ IGNITION SOURCE - GAS BOTTLES
 - ▲ COSHH STORAGE
 - S HIGH LEVELS OF SAWDUST
 - ▲ LOCATION OF FIRE PREVENTION PLAN
 - ▲ ELECTRICAL SHUT OFF POINT
 - W WATER SHUT OFF POINT
 - FIREWATER CONTAINMENT EQUIPMENT
 - S FIRE SUPPRESSION SYSTEM
 - It FIRE EXTINGUISHER
 - E FIRE EXIT
 - A EMERGENCY ASSEMBLY POINT
 - H FIRE HYDRANT

NOTE
FOR INTERNAL FIRE PREVENTION & MITIGATION INFO SEE DRAWING ECL.088.01.01-05

Rev	Date	Details	Chkd

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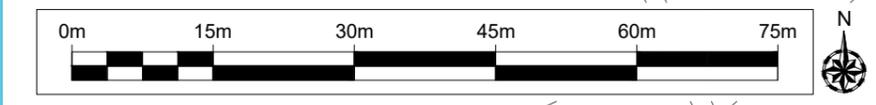
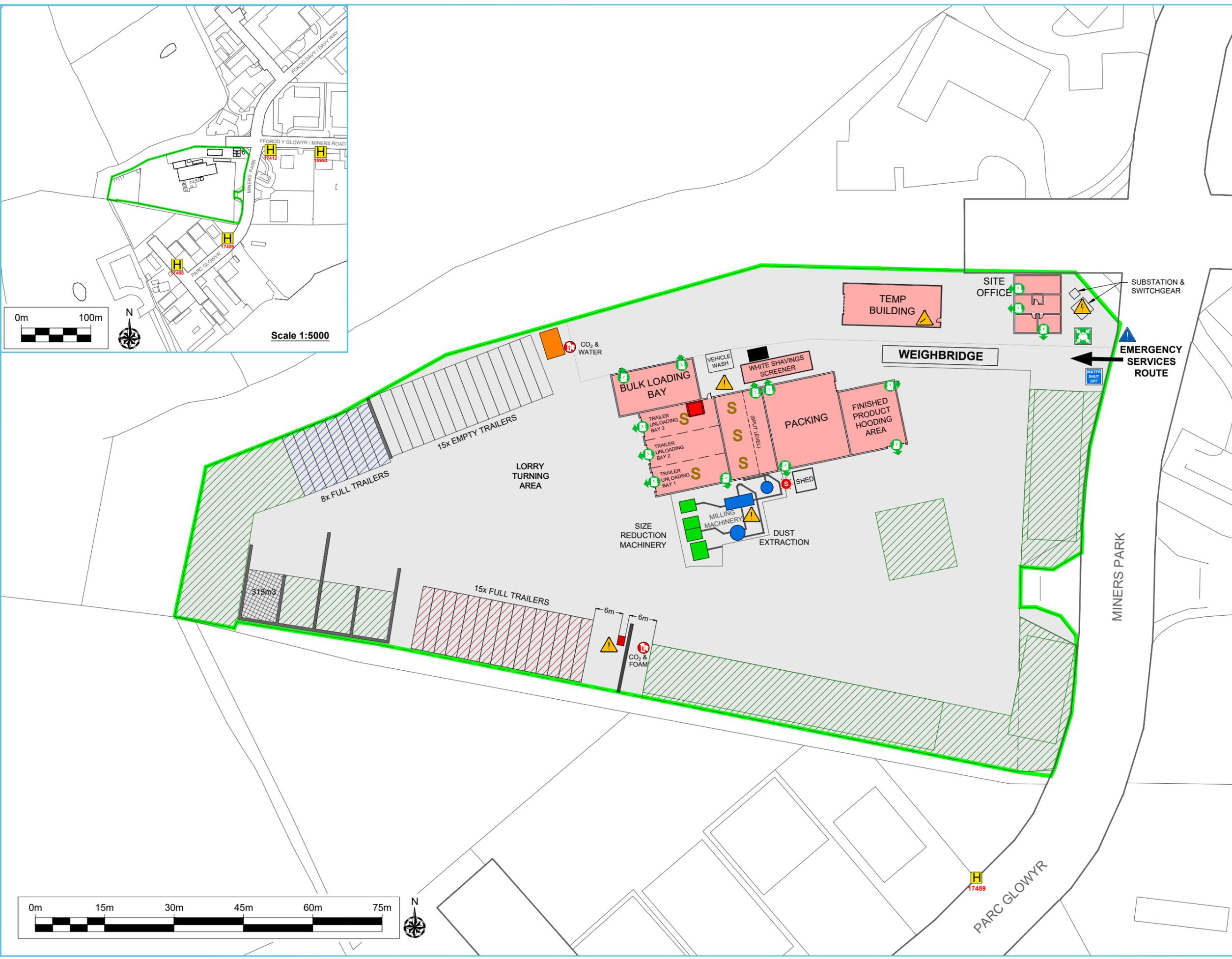


Date	Scale	Drawn by	Checked by	Approved by
27/01/2022	1:750 @ A3	GTB	HR	SM

FINAL DRAWING

Project Title
ENVIRONMENTAL PERMIT APPLICATION
PLATTS AGRICULTURE LIMITED
MINERS PARK, LLAY INDUSTRIAL ESTATE
LLAY
WREXHAM

Drawing Title
FIRE PREVENTION AND MITIGATION PLAN

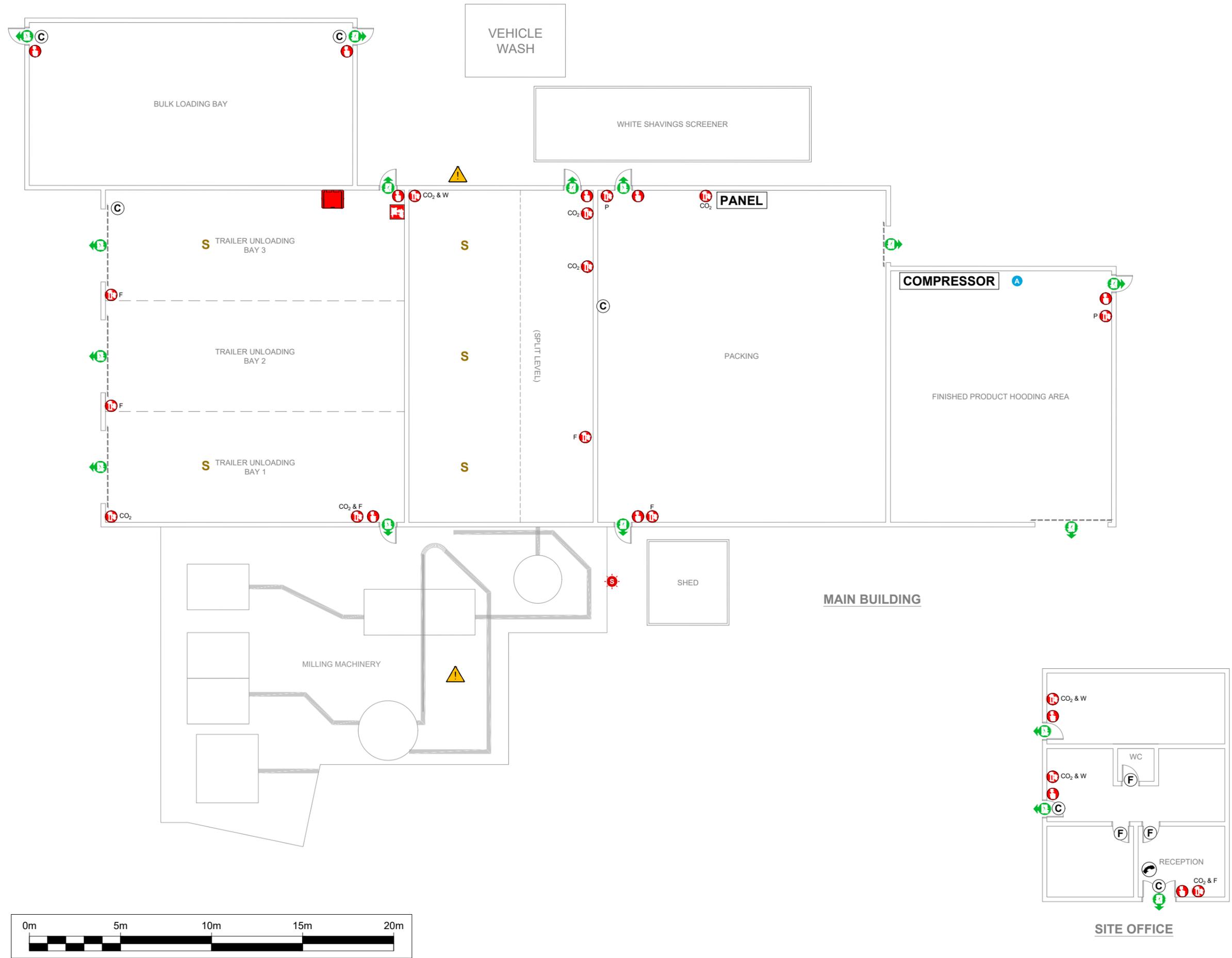


LEGEND

-  COSHH STORAGE
-  HIGH LEVELS OF SAWDUST
-  FIREWATER CONTAINMENT EQUIPMENT
-  FIRE SUPPRESSION SYSTEM
-  FIRE ALARM BREAK GLASS
-  FIRE EXTINGUISHER
WATER = W
POWDER = P
CARBON DIOXIDE = CO₂
FOAM = F
-  FIRE HOSE
-  AIR RECEIVER
-  FIRE EXIT
-  SELF CLOSING DOOR
-  FIRE DOOR
-  TELEPHONE POINT

NOTE

FOR EXTERNAL FIRE PREVENTION & MITIGATION INFO SEE DRAWING ECL.088.01.01-04



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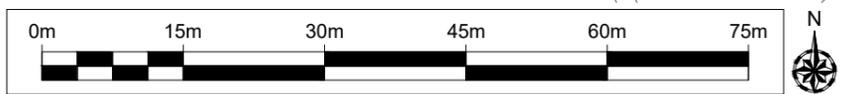
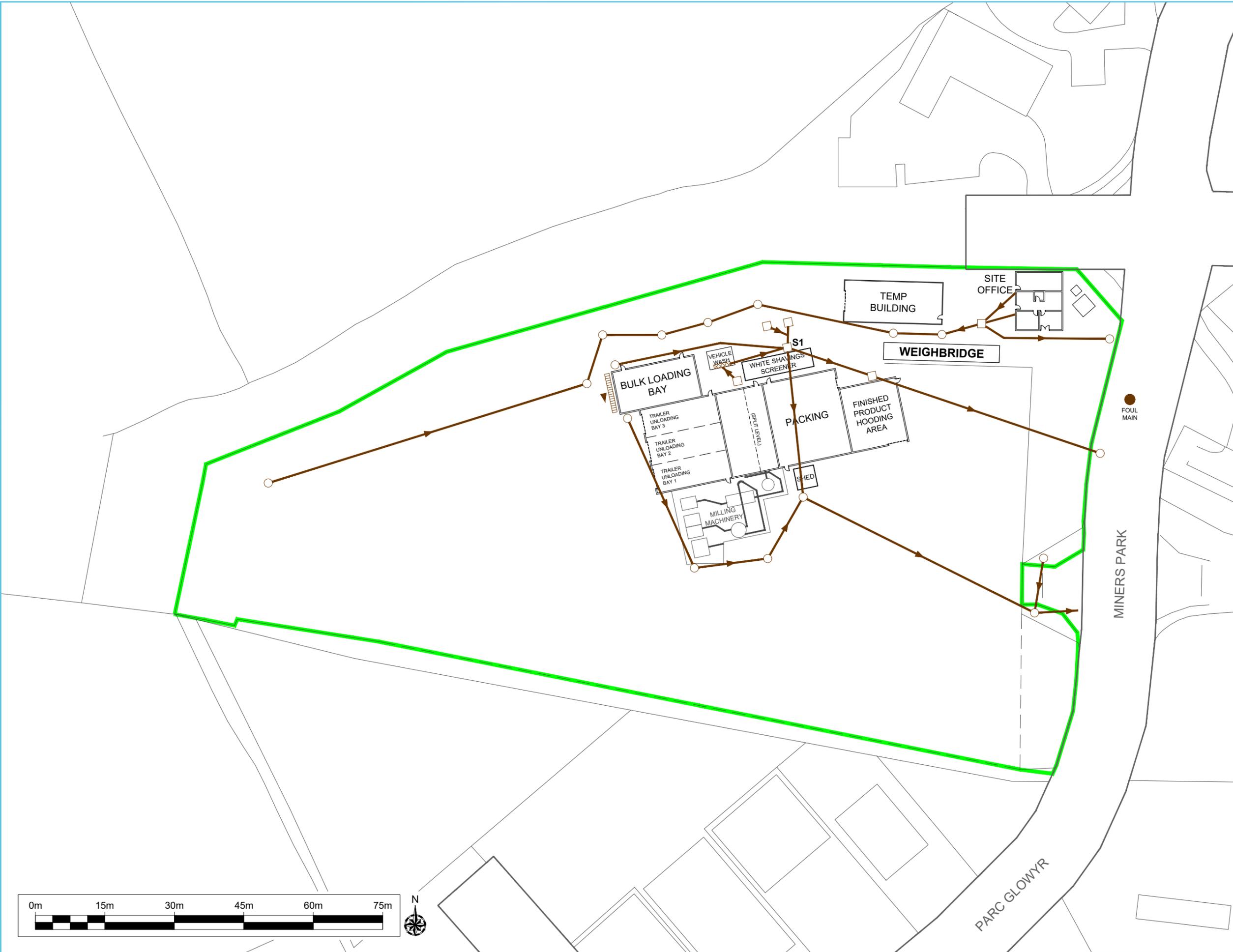
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FINAL DRAWING

Project Title
 ENVIRONMENTAL PERMIT APPLICATION
 PLATTS AGRICULTURE LIMITED
 MINERS PARK, LLAY INDUSTRIAL ESTATE
 LLAY
 WREXHAM

Drawing Title
 FIRE PREVENTION AND MITIGATION PLAN
 BUILDINGS

- LEGEND**
- █ ENVIRONMENTAL PERMIT BOUNDARY
 - FOUL DRAINAGE
 - MANHOLE
 - INSPECTION COVER
 - ▣ INTERCEPTOR PIT
 - ▤ ACO / ECO DRAIN
 - S1** EMISSION POINT TO SEWER



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Drawing Status
 FINAL DRAWING

Project Title
 ENVIRONMENTAL PERMIT APPLICATION
 PLATTS AGRICULTURE LIMITED
 MINERS PARK, LLAY INDUSTRIAL ESTATE
 LLAY
 WREXHAM

Drawing Title
 DRAINAGE PLAN

Drawing Number: PLAT.01.02-06	Rev 1
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APPENDIX II DAILY SITE MONITORING CHECK SHEET

Daily Monitoring - Factory

Date	Time	Weather Conditions	
Inspection		Y/N	Action
1. Site External	1. Exterior fencing/gates secure and good condition?	Y/N	
	2. CCTV Cameras intact?	Y/N	
	3. Vehicle & pedestrian routes clear?	Y/N	
	4. Outside clear of potential slip/trip hazards ?	Y/N	
	5. No fugitive dust emissions observed including no airborne leaks from LEV system?	Y/N	
	6. Red diesel bunds secure - No leaks?	Y/N	
	7. No standing water / Interceptor area clear ?	Y/N	
	8. Site clear of signs for pests/litter/mud?	Y/N	
	9. Buildings/Ground in good condition no new damage?	Y/N	
	10. All safety signs in good order?	Y/N	
	11. No excess noise?	Y/N	
2. Internal Factory	1. All fire escape routes clear?	Y/N	
	2 .Fire fighting equipment in place & stocked ?	Y/N	
	3. First aid kit & eye wash stocked?	Y/N	
	4. Safety fencing in place /good order ?	Y/N	
	5. Trailer stands/Suzie locks in place/keys out of hook loader?	Y/N	
	6. Platform bars on empty bays?	Y/N	
	7. Safety inspections completed?	Y/N	
	8. Factory/machines/equipment clean & tidy?	Y/N	
	9. LEV functioning correctly?	Y/N	
	10. Control room clean & tidy?	Y/N	
	11 .Welfare facilities clean and tidy?	Y/N	
3. People	1. All employees wearing Hi-Viz clothing?	Y/N	
	2. All employees wearing safety footwear?	Y/N	
	3. All employees wearing bump caps?	Y/N	
	4. All employees wearing ear defenders?	Y/N	
	5. All employees wearing dust masks ?	Y/N	

Sign Off: