FIRE PREVENTION PLAN

Shelford Landfill - Material Recycling Facility

EPR/XP3434HX

Shelford Landfill
Shelford Farm Estate
Shalloak Road
Canterbury
Kent
CT2 0PU

September 2025

Valencia

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1. Introduction

1.1. Context of Report

This Fire Prevention Plan has been prepared as part of an environmental permit variation application for Shelford Landfill Site at Shelford Farm Estate near Kent. The Site is operated under permit EPR/XP3434HX. The variation seeks to increase the annual throughput at the MRF from 250,000 to 500,000 tonnes per year. There are no proposed changes to the storage capacities, storage times, waste treatment techniques or waste types to be accepted. The MRF will continue to operate with short turn around times while minimising waste storage times.

This Fire Prevention Plan (FPP) applies only to the Material Recycling Facility (MRF) at Shelford Landfill Site, and supersedes the Fire Prevention Plan (Wardell Armstrong, Version 4.0 dated June 2024) what was approved under EPR/XP3434HX /V013. The Landfill operates under existing documentation.

1.2. Main Objectives of the FPP

This FPP applies to the storage of combustible wastes at the site. The plan identifies the activities on site that present a risk of fire, the prevention measures in place to minimise the potential for a fire, techniques to suppress a fire and the measures which will be implemented to protect the environment in the event of a fire.

This FPP has been prepared in accordance with Environment Agency guidance on Fire Prevention Plans[1], and is designed to ensure that the three objectives of this guidance can be met:

- Minimise the likelihood of a fire happening;
- Aim for a fire to be extinguished within 4 hours;
- Minimise the spread of fire within the site and to neighbouring sites.

1.3. Roles and Responsibilities

It is the responsibility of all site staff to read and understand the content of this FPP and the steps required to be taken to minimise the risk of fire outbreak and minimise the impact should a fire occur.

Staff will receive training regarding the contents of this plan as part of their induction.

A copy of this plan will be kept safe in the site office and an electronic version will also be available via Valencia's electronic management system.

The plan will be shared with contractors working on site, where applicable, to enable them to understand the implications of their actions and to manage their work safely.

Contractors or other visitors to the site should be accompanied by a member of staff familiar with this plan or should receive an indication, including as a minimum:

- Smoking is not allowed in the site, other than in the designated smoking area;
- How the alarm is raised in the event of a fire;
- Location of fire alarms and fire assembly points;
- Any specific precautions relating to their particular work.

This plan will be shared with the local Fire and Rescue Service to facilitate their understanding of site operations. The plan will be made available to the F&RS in the event that they attend an incident on site. It may be shared during routine visits or during discussions regarding fire prevention on site.

A fire drill will be carried out twice a year to test the fire evacuation procedures. In the event that this triggers a requirement to change to this FPP, and updated version will provided to the Environment Agency for their review and approval.

[1] Fire prevention plans: environmental permits - GOV.UK

2. Waste and Materials on Site

Combustible waste materials may be accepted, stored and/or treated inside the MRF. This includes mixed municipal waste, refuse derived fuel (RDF), wood and plastic.

The MRF will not accept wastes contaminated with persistent organic pollutants (POPs) at levels that would require them to be managed as POPs waste[2], for example furniture upholstery treated with flame retardants and electrical items containing PCBs or other POPs-related chemicals.

Raw materials will be stored on site for plant and vehicle fuel and maintenance. Hydraulic oil and lubricating oil will be stored on site to be used in the maintenance of site plant. These will be stored in suitable drums or containers in a designated storage area provided with appropriate bunding. Fuel will be stored in the existing full bunded diesel tank located near to the site office.

3. Activities at the Site

Household commercial and industrial waste which is suitable for treatment will be unloaded inside the MRF building into the waste reception bay. Mixed wastes may be stored in the bay for short periods but the aim will be to treat waste on the day of receipt. Waste will not be stored on site for more than 72 hours before treatment. RDF and residual waste will be removed from site within 72 hours.

Waste will be treated via a shredder, overband magnet, eddy current separator trommel, fan blower, water bath, optical sorter and picking line to separate it into discrete outputs ready for recycling, recovery or disposal.

Outputs from waste treatment will be as follows:

- ferrous metal;
- non-ferrous metal;
- “heavies” which will be generally inert material including stone, glass etc;
- trommel fines;
- plastics;
- wood;
- refuse derived fuel (RDF); and
- residual waste.

Outputs will be stored in dedicated containers or bays pending loading and removal to a permitted recycling site, energy from waste site or the landfill.

4. Sensitive Receptors

4.1. Site Setting

Shelford Landfill is located on Shelford Farm Estate off Shalloak Road, 2.5 miles northeast of Canterbury, Kent. The MRF is located at national grid reference (NGR) TR 16335 60113, south of the existing landfill site.

The land surrounding the site is mixed in use. The landfill area extends north from the proposed location of the MRF building, with the land beyond being predominantly agriculture and interspersed woodland in the northwest, north and northeast, while land use to the south is mixed residential, commercial and industrial, with large areas of parkland and woodland.

[2] The Persistent Organic Pollutants (Various Amendments) Regulations 2019

Local meteorological data has been obtained from Manston observing station which is 17.7 km due east of the landfill site and represents the nearest appropriate observing station. For the period 2019 to 2021 meteorological data has been used to qualify the frequency of wind speed and direction. The predominant wind direction is from the south-west and south-south-west, occurring 31% of the time. Winds from the north-north-east, north-east, south, west-south-west, west and west-north-west also occur over 5% of the time each.

4.2. Sensitive Receptors

The nearest residential properties are 2 houses located approximately 200m east of the proposed MRF on Shalloak road. Further residential areas in proximity to the proposed MRF include Hales Place (850m west), Broadoak (1.1km northeast), Sturry (1.1km east), Mayton Cottages (1.4km north), and Fordwich (1.5km east).

Approximately 100m east of the proposed MRF, a car dealership is the nearest commercial receptor to the site. There are further commercial and industrial units within Canterbury Retail Park, 300m to the south of the MRF location.

There are five European sites within 10km of the proposed MRF location, the nearest of which is Stodmarsh (SAC, SPA and Ramsar, SSSI, NNR) located approximately 1.9km east. The remaining four European Sites are located over 4km away from the site at Blean Complex (SAC), The Swale (Ramsar and SPA), Tankerton Slopes and Swalecliffe (SAC), and Thanet Coast & Sandwich Bay (Ramsar and SPA). There are four SSSIs within 2km of the site, including Stodmarsh. The nearest is West Blean and Thornden Woods SSSI which lies adjacent to the landfill north and north-eastern permit boundary. There are also a number of areas of ancient woodland and local wildlife sites.

There is also some notable infrastructure in close proximity to the site. A railway line (Ashford–Ramsgate line) passes east-west approximately 150m south of the MRF; a 400kV substation sits 550m southwest of the site, with pylons passing within 100m of the MRF; and a wastewater treatment works sits approximately 550m southeast of the MRF.

The table below provides a list of sensitive receptors within 1km of the site which may have potential to be affected the event of a fire at the MRF. Receptors are also shown on drawing ST20075-002.

Receptor	Receptor Type	Approximate Distance from Site	Direction from Site
Motorline Car Dealership	Commercial	100m	East
CVS Canterbury and Canterbury Audi car dealerships	Commercial	150m	South
6 Shalloak Road	Residential	200m	East
Caravan Site	Residential	250m	South
Retail Park (Vauxhall Road)	Commercial	350m	South
Canterbury Wastewater Treatment Works	Industrial	450m	Southeast
Canterbury North 400kV Substation	Industrial	550m	Southwest
Broad Oak Lodge Farm	Residential	550m	Northeast
Vauxhall Avenue and Vauxhall Crescent	Residential	600m	South
Businesses on Broad Oak Road	Commercial	600m	Southwest
Retail Park (Marshwood Close)	Commercial	700m	Southwest
Sturry Road Allotments	Leisure	700m	South
Sturry Road (A28)	Residential	700m	South
Caravan Park	Residential	750m	Northeast
Maytree Canterbury Garden Centre	Commercial	800m	Southeast
Bicknor Close	Residential	800m	Southwest
Kilndown Gardens	Residential	800m	Southwest
Field Avenue	Residential	850m	South
Reed Avenue	Residential	850m	South
Sturry Road Community Park	Leisure	850m	Southeast
22-38 Shalloak Road	Residential	850m	Northeast

Receptor	Receptor Type	Approximate Distance from Site	Direction from Site
Headcorn Drive	Residential	850m	Southwest
Kemsing Gardens	Residential	850m	Southwest
Halstead Close	Residential	900m	Southwest
Westerham Close	Residential	900m	Southwest
Hunton Gardens	Residential	900m	West
East Street	Residential	900m	South
Sandhurst Close	Residential	950m	Southwest
Goudhurst Close	Residential	950m	West
Junior King's School Sports Facility	Leisure/ School	1km	East

5. Site Layout and Infrastructure

5.1. Site Layout

The MRF will be contained within a purpose-built building sited on the southern extent of the permit boundary, next to the leachate treatment plant and landfill gas engine compound.

The internal layout of the building will comprise a waste tipping area for the MRF feedstock, fixed waste treatment plant (trommel, overband magnet and eddy current separator), a bay for the refuse derived fuel, and bays for other process outputs (ferrous and non-ferrous metal, heavies and trommel fines). The plant layout is provided in Appendix 1.

The MRF building will benefit from an impermeable reinforced concrete floor, ensuring that no leachate will enter soils under the site. A sleeping policeman ramp will be placed at each of the MRF building doors, creating 392m3 capacity for the containment of firewater within the footprint of the building.

6. Managing Common Causes of Fires

6.1. Arson

The site has suitable security measures in place to prevent access by unauthorised persons. This includes fencing to the landfill. The MRF is contained within the MRF building, which will be manned during the day and locked shut outside of operational hours.

All security measures will be routinely inspected and maintained to deter access to the site.

6.2. Plant and Equipment

Plant and equipment will include the trommel, overband magnets, air blower, optical sorter and eddy current separator, along with associated conveyors and a loading shovel to move waste around the site.

All plant will be inspected and maintained in accordance with the manufacturers' recommendations. Damaged plant will be taken out of use until it has been repaired by a competent person.

Plant will be cleaned as necessary, to prevent parts jamming and to avoid any build-up of dust or waste on hot surfaces.

6.3. Electrical Faults

All electrical work will be carried out by a qualified electrician. All electrical installations will be certified to demonstrate that were installed correctly by a competent person. This will also apply to repairs and alterations.

Copies of the certificates will be maintained in the site office.

Plant will be maintained in accordance with the manufacturer's recommendations with the frequency set out in the Preventative Maintenance Programme for the site. Electrical installations such as wiring will be subject to safety checks every five years portable appliances will be checked annually.

Staff trained to use the equipment will make a visual inspection at the start of the working day. Where there are lose or damaged wires or other indications that the plant may be unsafe the site manager will be advised and an electrician will be asked to attend site and check the equipment before it is turned on.

6.4. Discarded Smoking Materials

A strict no smoking policy will be applied to the site. Smoking will only be permitted in the designated smoking area. Within this area adequate ash trays will be provided to ensure that materials can be extinguished safely and litter will be prevented.

There must be no smoking in any other part of the site.

6.5. Hot Works

Hot works will include activities such as cutting and welding which may occur on an occasional basis as part of the maintenance of the plant and building. Hot works are not expected to be required on a regular basis but where they are needed a safe system of work will be in place.

A permit to work will be required for all hot works. Before this is issued a safe system of work must be prepared and provided to the site manager. This must include ensuring that all waste is cleared from the area where the work is required. Works must not take place within 2m of any stored waste. Where appropriate the distance may need to be increased or appropriate screens may be required to contain sparks.

During and following the works a fire watch should be in place to ensure that no wastes or other materials have ignited. This should take place as a minimum at the end of the works and following one hour.

6.6. Industrial Heaters

If it is necessary to use heaters, to maintain the welfare of staff, these will be used with care.

The heaters will be located at least 6m away from waste storage areas.

Heaters will be maintained in line with the manufacturer's recommendations.

Litter will be removed from on around the heater during the working day as required and dust will not be allowed to build up on any hot surfaces.

The heaters will be included in the fire watch at the end of the day.

6.7. Hot Exhausts

Plant and equipment will be monitored during the working day to ensure there is no fire risk from dust or litter building up on hot surfaces. Where necessary machinery will be switched off and allowed to cool before removing dust and debris.

As far as possible plant employed on site will be fitted with angled exhausts to minimise the opportunity for dust or litter to gather on or in the exhaust.

When not in used plant will be switched off and mobile plant will be parked at least 6m away from waste storage areas.

Plant will be cleaned and maintained as appropriate to minimise the risk of fire.

At the end of the working day a fire watch will be carried out. Plant will be inspected when it is switched off and then again before the building is locked for the night.

6.8. Batteries and Small WEEE

Batteries and small WEEE are not to be accepted into the MRF. However, batteries and small appliances containing batteries can be disposed of incorrectly in mixed municipal waste.

Loads consisting wholly or mainly of batteries will be rejected. At the pre-acceptance stage waste producers will be advised not to place batteries or WEEE in their general waste but to collect them separately for recycling.

Wastes are inspected during unloading and any loads containing large numbers of batteries or WEEE will be rejected.

Where a load contains a small number of batteries or WEEE and these can be easily identified and removed by hand, they will be picked out and placed in a suitable container.

Customers who regularly supply waste contaminated with batteries and /or WEEE will be sent a reminder that these should be collected separately and not placed in general waste.

It will be impossible to detect and prevent all batteries or WEEE entering the treatment plant due to their small size. However, fire detection and fire suppression measures are in place should a fire occur as the result of short circuiting battery.

6.9. Leaks and Spills of Oils and Fuels

Oils and fuels will be stored in appropriate containers with bunding provided. Oils for plant maintenance will be stored in a dedicated area. Diesel will be stored in a bunded tank separate from the building.

Plant will be properly maintained to avoid any leaks or spills. Plant will be subject to a daily visual inspection at the start of the working day. Any leaks identified will be investigated and appropriate repairs will be made as soon as possible.

Should a spill or leak of a flammable liquid occur, this will be cleared using a suitable absorbent material as soon as possible. The used absorbent will be placed in a suitable container and sent off site for disposal.

6.10. Reactions between Wastes

Only non-hazardous waste will be stored and treated at the MRF. In addition, checks will be made at the pre-acceptance stage to ensure that wastes are suitable for treatment. Waste acceptance procedures are in place to ensure only permitted wastes are received. As such no incompatible wastes will be accepted on site and no reactions between wastes are expected.

6.11. Hot Loads

Waste will be inspected on arrival at site, to ensure that they are in line with permit conditions and can be stored safely.

Should there be any sign that a hot load has been received, e.g. visible smoke or steam or the waste feels hots, then it will be directed to the quarantine area. Waste will be spread within the quarantine area to allow it to cool. It will then be moved to the reception bay if it is safe and appropriate to do so.

If a fire has taken hold fire, the fire will be extinguished within the quarantine bay and arrangements will be taken to dispose of the residues at a permitted site.

6.12. Hot and Dry Weather

Hot and dry weather is not expected to cause an issue regarding fire risk. All combustible waste is unloaded, stored and treated inside the building providing some shelter from the sun.

It is the intention that waste will be treated and RDF and residual waste will be removed from site within 72 hours limiting the extent to which it will dry out and become more flammable. Wood and plastic will not be stored for more than a month.

7. Preventing Self-Combustion

The main mechanism for preventing self-combustion will be the management of storage times.

The MRF operates on the shortest turnaround times as possible. The intention is to treat waste as quickly as possible and to remove combustible wastes from site within a maximum of 72 hours.

The maximum storage time will be 72 hours in the majority of cases with hardcore, heavies and metals stored for up to one month.

All bays will be completely cleared on a regular basis to ensure that there is no build-up of older residual waste.

A stock rotation policy is not required as no combustible wastes will be stored on site for long periods. The intention is to clear combustible waste from site within a month of receipt with RDF being removed within 72 hours.

It is not considered necessary to monitor the temperature of stockpiles, reduce the metals or fines content or control the temperature as no combustible waste will be stored for more than 3 months.

As there MRF operates on quick turn around times, with RDF being sent to the EfW as soon as possible there will be no need to bale waste. Waste will be stored loosely in appropriate bays or containers.

8. Managing Waste Stockpiles

8.1. Waste Storage

All skips will be readily accessible so that any fire inside can be extinguished. Skips/containers can be isolated from other waste piles in the event of a fire, mobile plant will be available to move the skips if safe to do so to prevent the spread if fire to other waste storage areas.

There will be waste storage bays and a quarantine area, each with high fire walls with 3-hour fire resistance. Waste piles will not be allowed to exceed 4m in height, with the 1m freeboard clearly marked on the bays. There will also be skips provided for the storage of specific waste streams, for which the waste storage capacity will not be exceeded.

8.2. Storage Capacities

The storage capacities are provided in the following table. Storage capacities remain unchanged in spite of the increase in annual throughput.

Waste stream	Storage method	Maximum length (m)	Maximum width (m)	Maximum height (m)	Volume (m^3)	Maximum storage time
Mixed waste	Internal bay	12.5	8.0	4.0	400	72 hours
Low CV RDF	MRF bay	7.0	3.5	4.0	200	48 hours
Plastics	MRF bay	7.0	3.5	4.0	98	1 month
Other (50-300mm mid-heavy residue)	MRF bay	7.0	3.5	4.0	98	72 hours

High CV RDF and Residue	MRF bay	7.0	6.5	4.0	200	48 hours
FE metals	Skip x 4	N/A	N/A	N/A	N/A	1 month
Non FE metals	MRF bay	4.5	3.5	3.5	55	1 month
Hardcore	MRF bay	10.0	3.5	4.0	140	1 month
Other (50-300mm lights residue)	MRF bay	10.0	3.5	4.0	140	72 hours
Rigid plastics	MRF bay	10.0	3.5	4.0	140	1 month
Wood	MRF bay	10.0	3.5	4.0	140	1 month
10-50mm lights	MRF bay	4.5	3.5	3.5	55	72 hours
0-10mm fines	MRF bay	12.6	4.5	4.0	226	72 hours
Long parts	MRF bay	4.5	4.0	4.0	72	72 hours
Bulky waste	Internal bay	8.0	6.3	4.0	200	72 hours

No individual stockpile will be more than 400m³ in size. Stored wastes will be checked regularly throughput the day, to ensure waste is stored fully within the bay walls to minimise the risk of any fire spreading. The bay walls are designed to have a fire resistance of 3 hours. This is in excess of the 2 hour fire resistance required by the Environment Agency guidance.

9. Quarantine Area

The quarantine area is shown on drawing SHF118. The quarantine area will measure approximately 8 metres by 6 metres and is located as an internal bay on the north side of the MRF.

The quarantine area may be used to segregate any hot loads, to ensure they are kept away from other wastes and to prevent fire spreading. Waste will be managed and removed as soon as possible to keep the quarantine area available for use. In the event of a fire the burning waste may be moved to the quarantine area, to prevent fire spreading by moving cooler waste away from burning waste or to facilitate extinguishing the fire by allowing a wider area in which to cool or smother waste, assuming that it can be moved safely and this will not increase the risk of fire spreading.

10. Fire Detection and Suppression

10.1. Fire Detection

Staff will remain vigilant and a fire watch will take place during and following hot works and at the end of the working day.

In addition, an 8 camera multi-detection (combined flame, smoke & thermal detector) system will be in place. Where this detects an increase in heat or other indicator of a fire the Company Control Room will be automatically notified and foam cannons will be automatically triggered, directly targeting pre-set suppression zones.

Fire detection systems will be certified to UKAS accreditation.

10.2. Fire Suppression

An automatic UKAS accredited foam cannon system will be located in the roof of the building. If a fire is detected, the cannon will be automatically directed towards the waste storage bays where combustible waste is stored, providing oscillations to give maximum suppression and cooling into the area. The foam expands to provide highly effective fire suppression and suffocation.

The foam cannons can be operated by:

- a control panel at the site entrance;
- remotely via the control room; or
- automatically by the infrared heat detection system.

In the event of a fire, smoke and heat vents in the building roof will automatically open. As the name suggests, these serve to release smoke and heat from the building. This allows for cooling, a better air supply and better visibility to improve safety for firefighters.

11. Active Firefighting

A member of staff will act as the trained fire warden and will lead in managing an incident involving fire. The priority will also be to ensure personal safety and to ensure the building is evacuated and staff are protected.

Active firefighting may also be employed only where it is safe to do so. Fire extinguishers will be located around the building, as shown on preliminary drawing SHF2000.

Fire extinguishers must only be used by staff members trained in their proper use. Where it is safe to do so, fire extinguishes may be deployed to extinguish small fires.

12. Water Supply

To ensure an adequate water supply, a firewater storage tank has been installed. The tank has been sized based on the need to provide 3 hours supply for fire suppression in the RDF bay.

Firewater requirement is calculated using the Environment Agency methodology, which is:

Water supply needed in litres per minute = 400 x 6.67 = 2,668 litres/minute

Overall water supply for 3 hours in litres = 2,668 x 180 = **480,240 litres**

A water tank is located outside of the MRF building along the eastern elevation. The tank is sized to hold up to 60,000 litres of water.

During a fire the tank will be refilled from the mains supply. This will be supplemented by a pump in the floor sump, so that the tank can be replenished by recirculating used fire water.

Because the tank can be refilled as the water is being used, adequate water should be available to allow 3 hours of fire fighting in the largest stockpile.

In addition, the use of foam provides a coating to exclude oxygen from the fire which should reduce the water need in the event of a fire.

Because an advanced foam cannon system is being used, adequate water will be available to ensure that a fire in the largest stockpile is suffocated and extinguished within 3 hours. There is a mains water supply to the site which will be used to refill the firewater supply tank. In the event that additional supply is required there are significant surface water attenuation ponds in close proximity to the MRF.

13. Fire Water Containment

The building has an impermeable concrete floor which is designed to prevent the escape of any emissions to land and water. The seams between the walls and MRF building floor are sealed, allowing any firewater and foam to be held within the footprint of the building.

The building is approximately 66 metres long by 66 metres wide. A 90mm sleeping policeman is installed at all of the door openings. This provides up to 392m³ holding capacity on the building floor for water, while foam will be contained by the building walls and sealed floors. The building footprint provides adequate capacity for containment.

In the event of a fire, all doors will be closed ensuring that foam is contained within the building only. Foam will not be allowed to escape the footprint of the building during an emergency and will be contained throughout the subsequent clean-up.

14. During and After an Incident

14.1. Dealing with issues during a fire

In the event of a fire the fire warden will ensure the building has been evacuated safely and liaise with the Fire and Rescue Service to aid safe access for firefighting. The fire warden will keep the Site Manager informed of what is happening.

The Site Manager will also contact the Environment Agency and Valencia's senior managers to advise them of the fire.

No waste will be accepted on site during an incident. Customers will be contacted and will be directed to an alternative Valencia site, or if necessary, an alternative permitted facility.

The site will remain closed until the fire residues have been cleared, the building has been made safe and secure and plant which may have been damaged has been repaired or replaced.

14.2. Notifying residents and businesses

Should it be necessary to contact local residents in the event of an emergency, a list of telephone numbers is maintained securely in the site office. A call will be made to residents where they may need to take precautions due to an incident on site.

For more general communication, residents are offered the opportunity of a liaison group and a meeting is held at a frequency led by the local community.

14.3. Clearing and decommissioning after a fire

A building inspection will be made by a competent engineer to determine whether the building is safe and appropriate repairs will be scheduled.

Firewater will be tested to determine the level of contamination and arrangements will be made for it to be collected by tanker and disposed of at a suitably permitted facility.

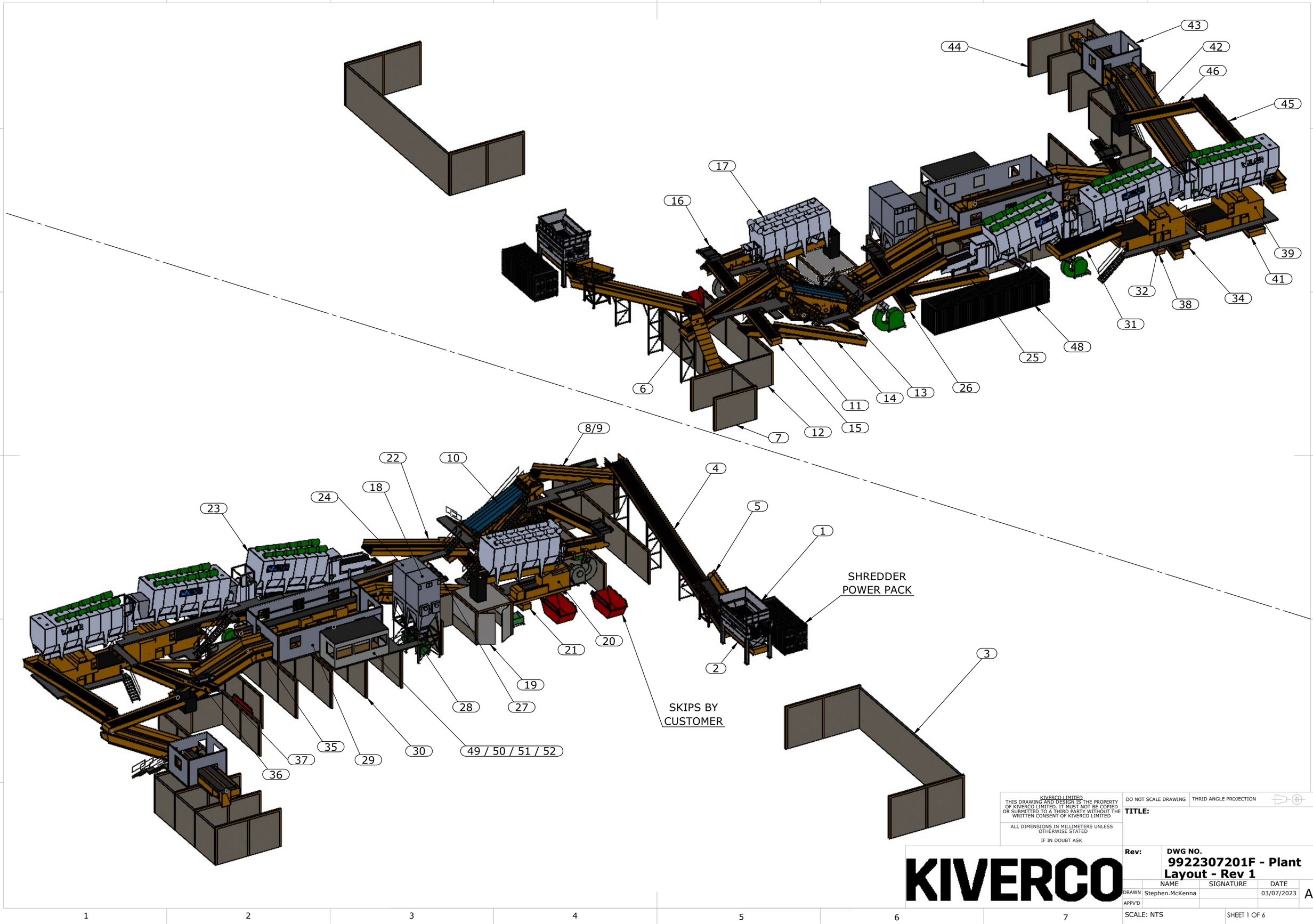
Fire residues may remain in place for a short time whilst the site is made safe and any required investigation into the cause of the fire is carried out. Once it is safe to do so, the residues will be removed to the landfill and the site will be cleaned.

14.4. Making the site operational after a fire

Once the building is made safe and firewater has been cleared, plant and equipment will be inspected by a qualified engineer and arrangements will be made to repair or replace as necessary.

The building will be opened to waste deliveries once it is safe, and residues have been cleared and plant and infrastructure has bn repaired or replaced to the extent that waste can be received and managed without risk to the environment.

Appendix 1 – Plant List



DO NOT SCALE DRAWING | THRID ANGLE PROJECTION

TITLE:

KIVERCO

Rev:

DWG NO. 9922307201F - Plant Layout - Rev 1

	NAME	SIGNATURE	DATE
DRAWN	Stephen.McKenna		03/07/2023
APPV'D			

A3

SCALE: NTS

SHEET 1 OF 6

Item	Detail	Width (m)	Length (m)	Item Installed Power (kW)	Control
1	M&J PreShred 6000S			501.1	Metso Control Panel
2	Shredder Collection Conveyor	1.40	5.50	7.5	Kiverco Control Panel
3	Shredded Bulky Waste Bay				
4	Incline Conveyor	1.40	22.00	7.5	Kiverco Control Panel
5	Belt Feeder Conveyor 1.2m x 4m	1.20	4.00	2.2	Kiverco Control Panel
6	Long Part Separator			1.5	Kiverco Control Panel
7	Longs Bay				
8	Screen Feed Conveyor	1.40	10.00	7.5	Kiverco Control Panel
9	Belt Weighing Scales				
10	Combi Screen	2.40	7.0	45	Kiverco Control Panel
11	0-10mm Collection Conveyor	1.60	10.00	5.5	Kiverco Control Panel
12	Fines Bay				
13	10-60mm Collection Conveyor	1.00	3.50	5.5	Kiverco Control Panel
14	10-60mm Transfer Conveyor	1.00	10.00	5.5	Kiverco Control Panel
15	10-60mm Transfer Conveyor 2	1.00	12.00	5.5	Kiverco Control Panel
16	Magnapower Inline Overband Magnet			3	Kiverco Control Panel
17	Walair 2-Way Drum Separator			50.2	Kiverco Control Panel
18	Walair Dust Filter			1.24	Kiverco Control Panel
19	10-60mm Lights & FE Metals Bays				
20	Magnapower Eddycurrent Separator			7.9	Kiverco Control Panel
21	ECS Residue Collection Conveyor	0.80	4.00	5.5	Kiverco Control Panel
22	+60mm Collection Conveyor	1.60	10.50	5.5	Kiverco Control Panel
23	Walair 4-Way Drum Separator			147.6	Kiverco Control Panel
24	Walair Dust Filter			1.24	Kiverco Control Panel
25	+60mm Heavies Collection Conveyor	1.00	8.00	5.5	Kiverco Control Panel
26	+60mm Heavies Transfer Conveyor	1.00	6.50	5.5	Kiverco Control Panel
27	Magnapower Inline Overband Magnet			4	Kiverco Control Panel
28	Heavies Picking Station Conveyor			4	Kiverco Control Panel
29	3 Bay Double Sided Picking Station Cabin			7.68	Kiverco Control Panel
30	Picking Station Bays				
31	Mid-Heavies Collection Conveyor	2.40	6.50	5.5	Kiverco Control Panel
32	Mistral+ 2800 Connect Full package			11.75	
33	Walair Dust Extraction - Optical Sorter			5.5	Kiverco Control Panel
34	Rigid Plastics Conveyor	0.80	10.50	5.5	Kiverco Control Panel
35	Mid-Heavies Picking Station Conveyor			4	Kiverco Control Panel
36	Residue Collection Conveyor	0.80	16.00	5.5	Kiverco Control Panel
37	Magnapower Overband Magnet			3	Kiverco Control Panel
38	Wood Collection Conveyor	0.80	9.50	5.5	Kiverco Control Panel
39	Mistral+ 2800 Connect Full package			12.45	
40	Walair Dust Extraction - Optical Sorter			5.5	Kiverco Control Panel
41	Lights Optical Collection Conveyor	1.60	11.00	5.5	Kiverco Control Panel
42	Lights Picking Station Conveyor			4	Kiverco Control Panel
43	1 Bay Double Sided Picking Station Cabin			3.03	Kiverco Control Panel
44	Lights Picking Bays				
45	Super Lights Collection Conveyor	1.20	15.00	7.5	Kiverco Control Panel
46	Super Lights Stockpile Conveyor	1.20	8.00	5.5	Kiverco Control Panel
47	Stair Access & Walkways				
48	Compressed Air System			73.3	Airwise Control Panel
49	Plant Electrical Control Room			0.03	Distribution Board
50	Control Panel				
51	Control Room Air Conditioning			12.6	Distribution Board
52	CCTV Camera System				
53	Plant Paint Colour - Kiverco Tan				
		Total Installed Power		1018.82	kW

DO NOT SCALE DRAWING | THRID ANGLE PROJECTION

TITLE:

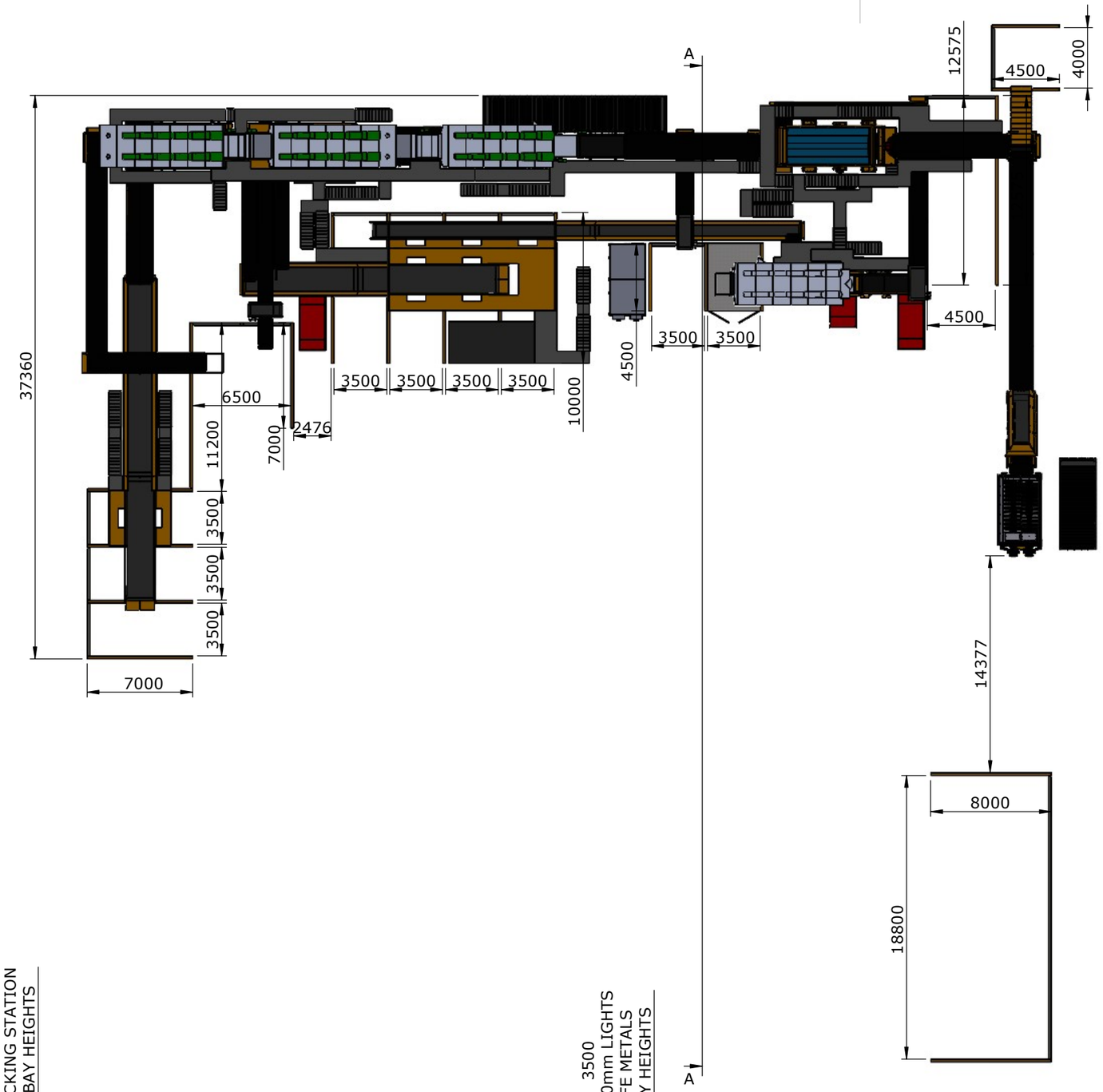
KIVERCO

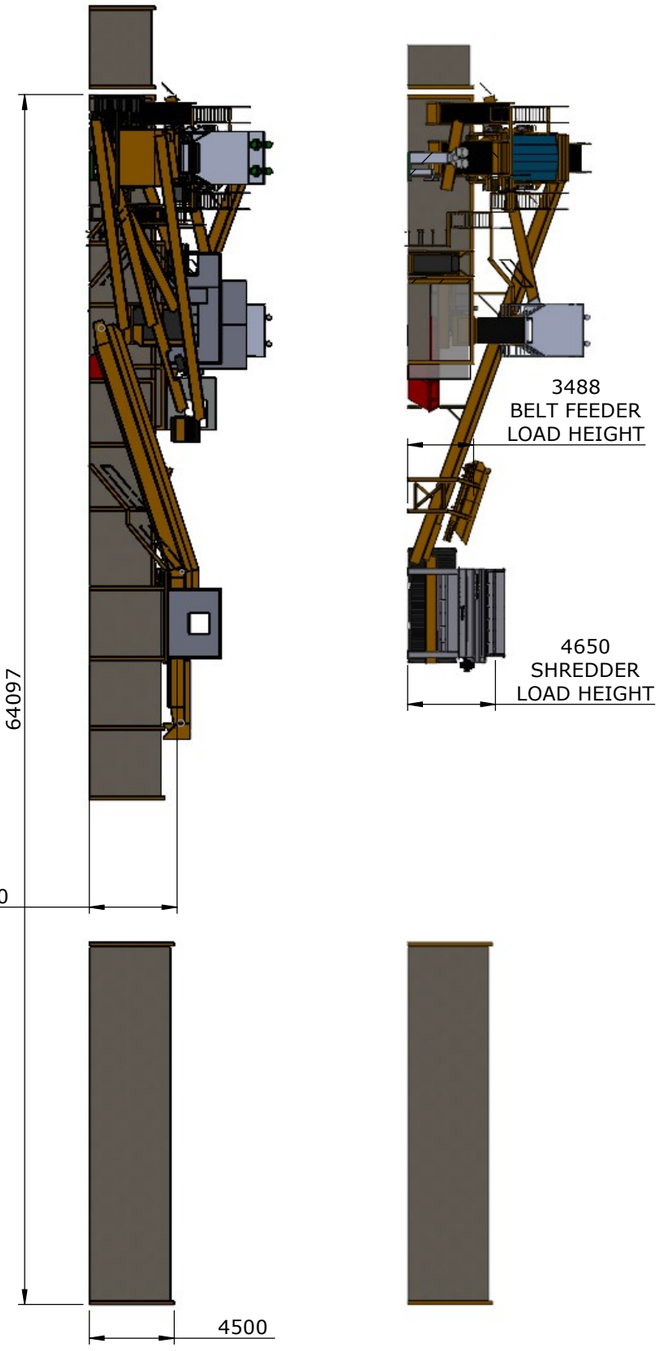
Rev: | **DWG NO.**

	NAME	SIGNATURE	DATE
DRAWN	Stephen.McKenna		03/07/2023
APPV'D			

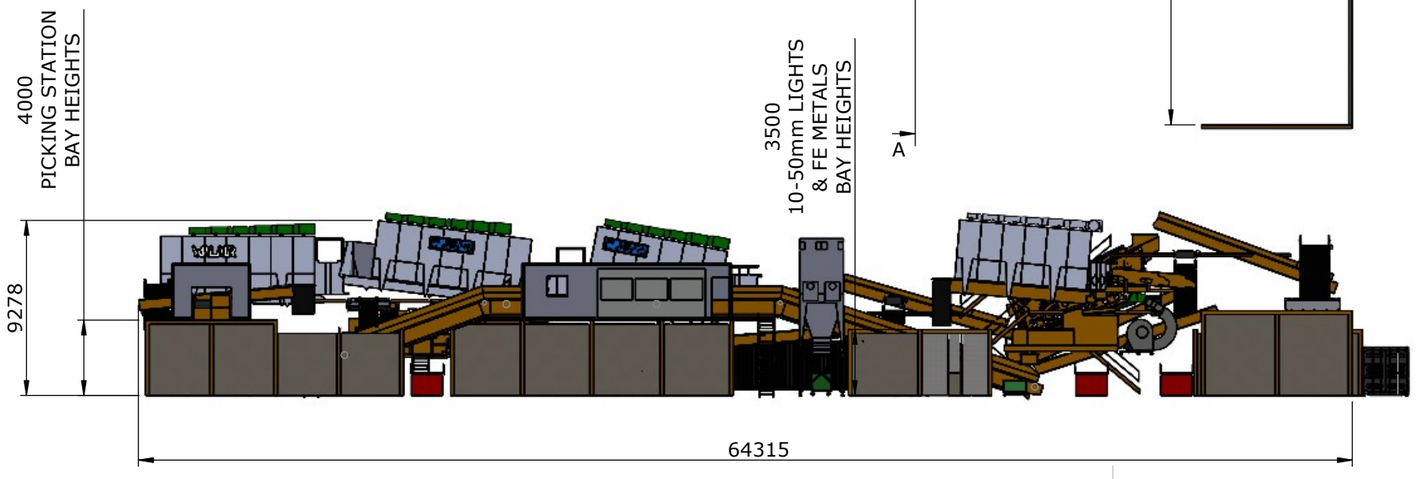
A3

SCALE: NTS





SECTION A-A



DO NOT SCALE DRAWING | THRID ANGLE PROJECTION

TITLE:

KIVERCO

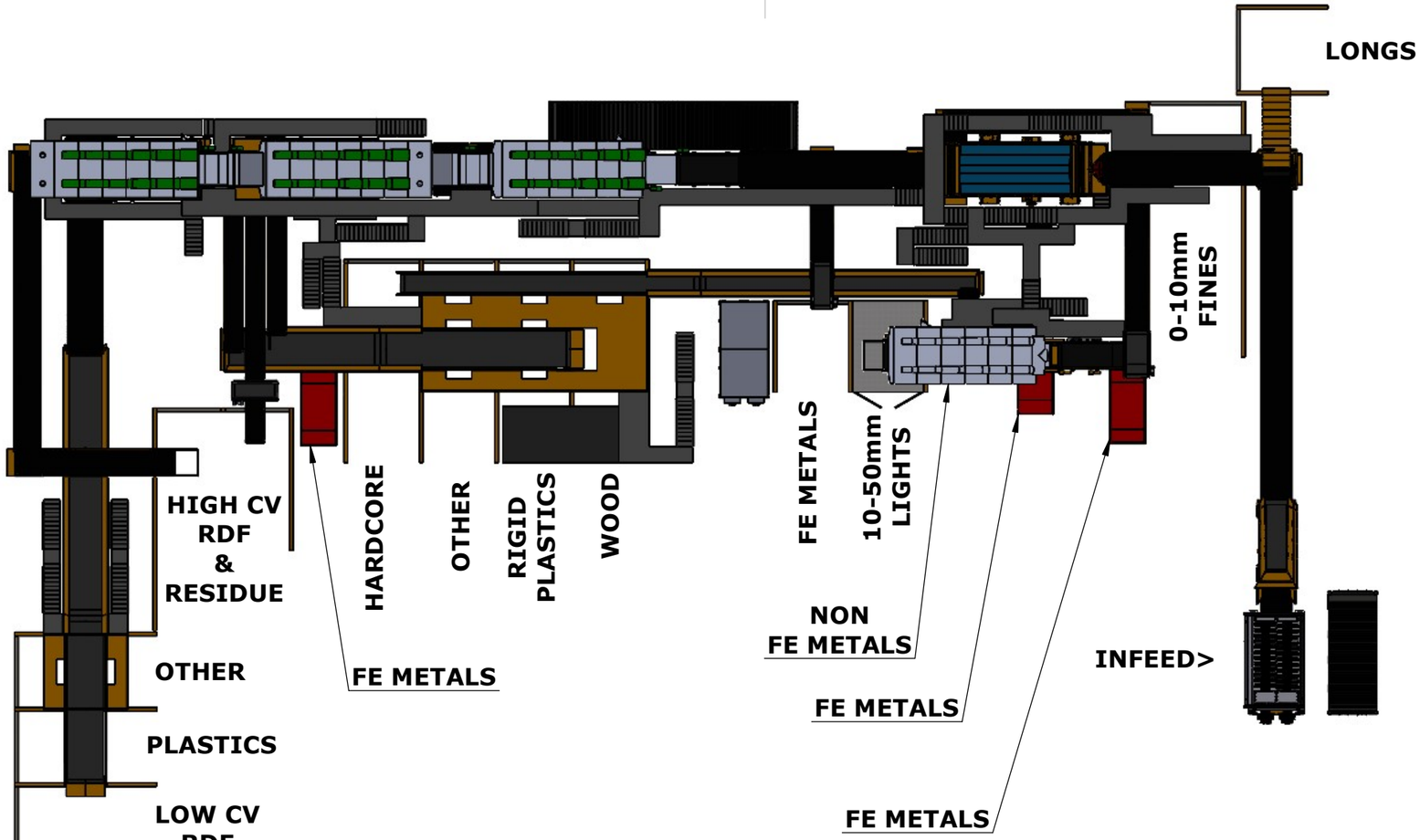
Rev:

DWG NO. 9922307201F - Plant Layout - Rev 1

	NAME	SIGNATURE	DATE
DRAWN	Stephen.McKenna		03/07/2023
APPV'D			

A3

SCALE: NTS



BULKY WASTE

DO NOT SCALE DRAWING | THRID ANGLE PROJECTION

TITLE:

KIVERCO

Rev:

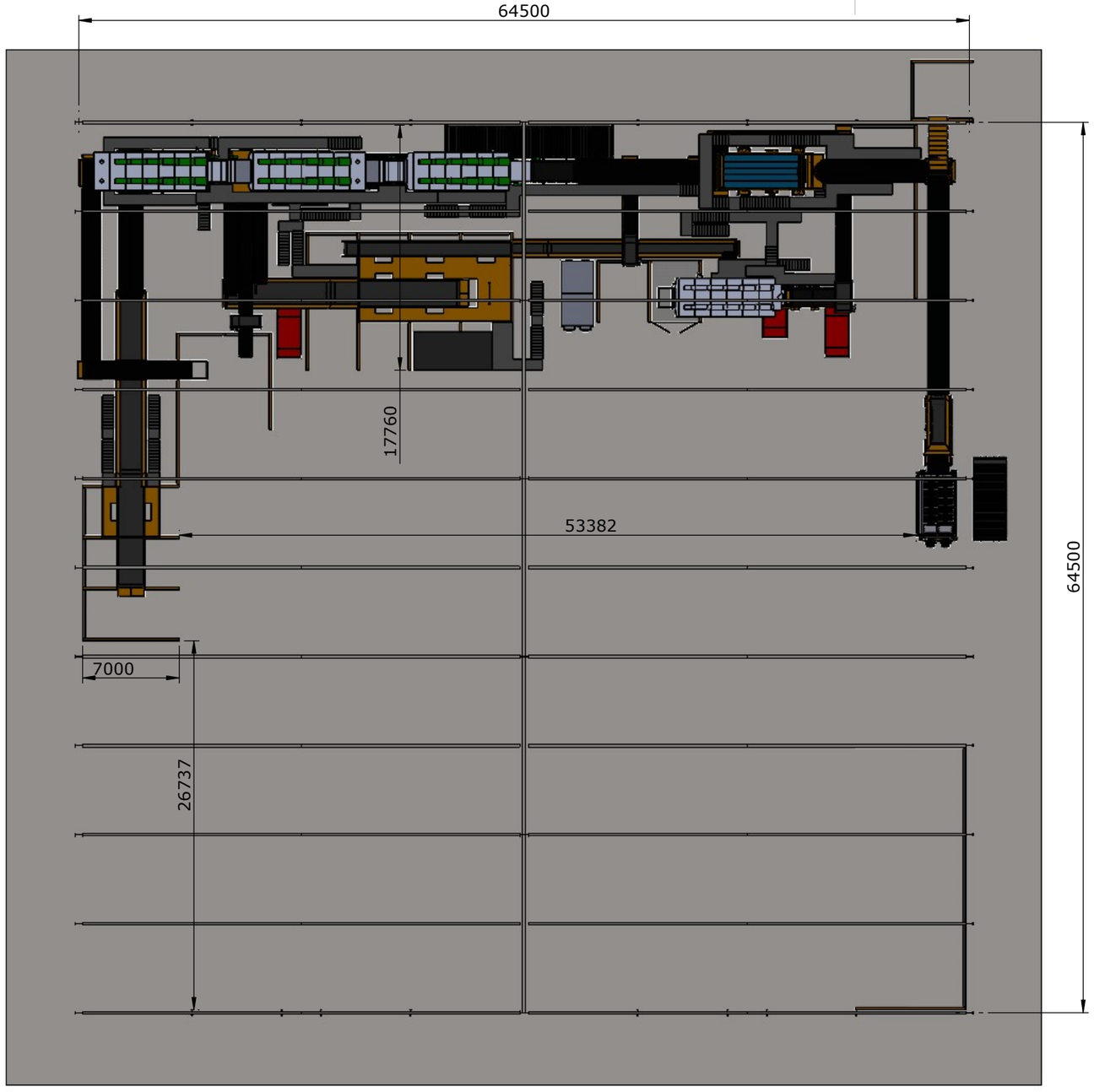
DWG NO. 9922307201F - Plant Layout - Rev 1

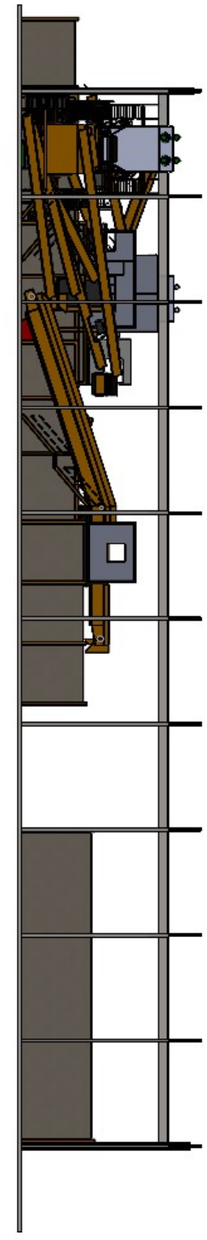
	NAME	SIGNATURE	DATE
DRAWN	Stephen.McKenna		03/07/2023
APPV'D			

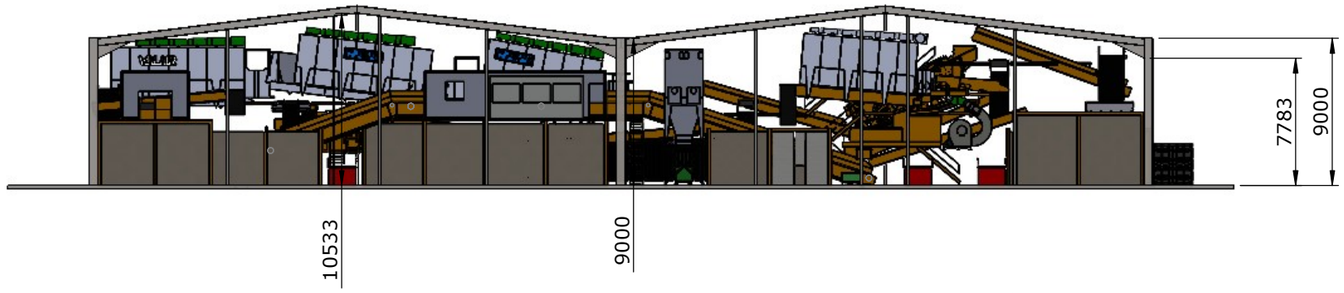
A3

SCALE: NTS

SHEET 4 OF 6







DO NOT SCALE DRAWING | THRID ANGLE PROJECTION

TITLE:

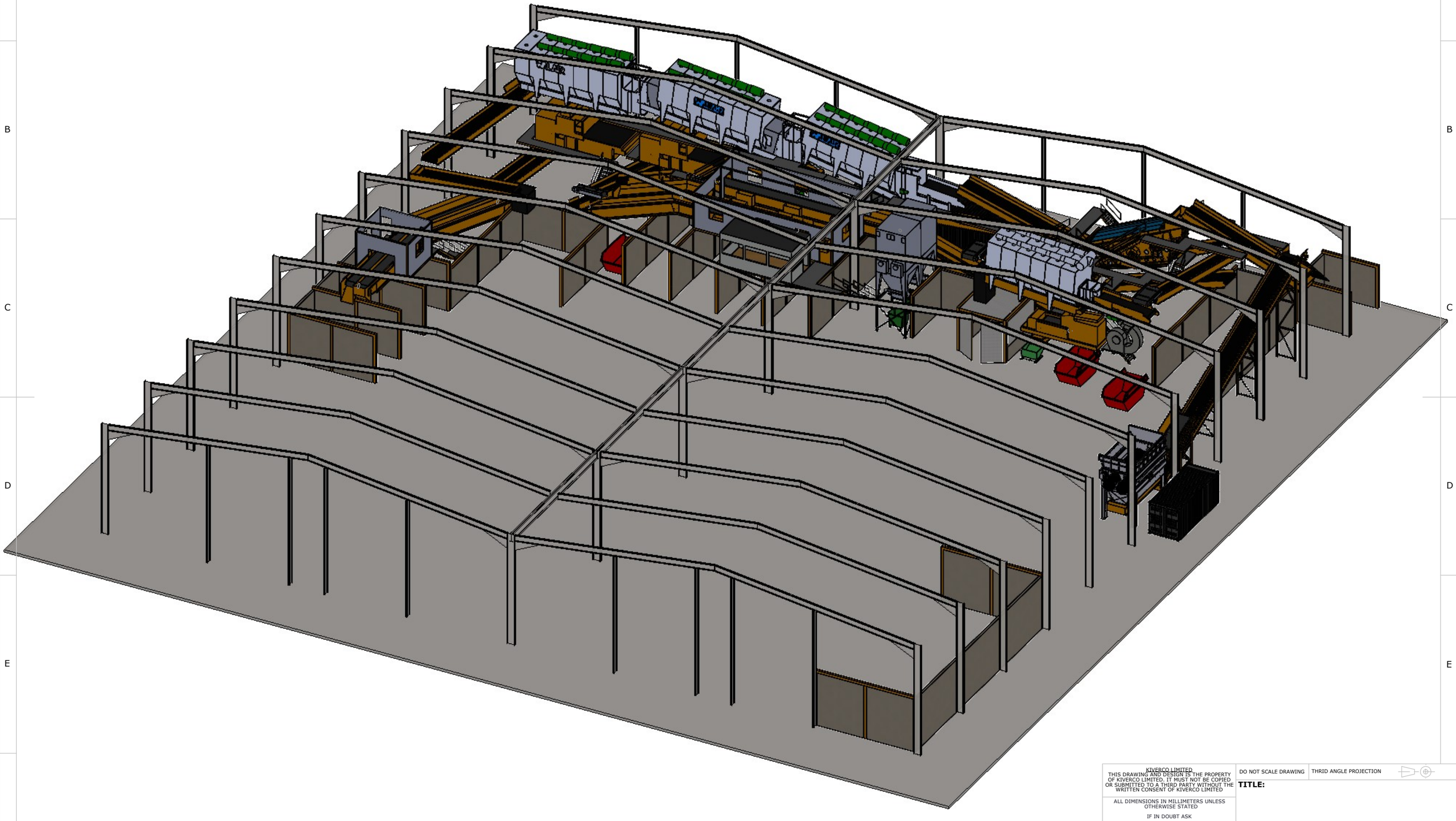
KIVERCO

Rev: **DWG NO.** **9922307201F - Plant Layout - Rev 1**

	NAME	SIGNATURE	DATE
DRAWN	Stephen.McKenna		03/07/2023
APPV'D			

A3

SCALE: NTS



ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED

IF IN DOUBT ASK

DO NOT SCALE DRAWING | THRID ANGLE PROJECTION

TITLE:

KIVERCO

Rev:

DWG NO.
9922307201F - Plant Layout - Rev 1

	NAME	SIGNATURE	DATE
DRAWN	Stephen.McKenna		03/07/2023
APPV'D			

A3

SCALE: NTS

Valencia

INFORMATION TAKEN FROM SHF14000 MAY'2012 REV C

EP BOUNDARY

ETL

TANK

SLUICE

WBS

YOR

WORKS

EL SUB STA

DEPOT

EL SUB STA

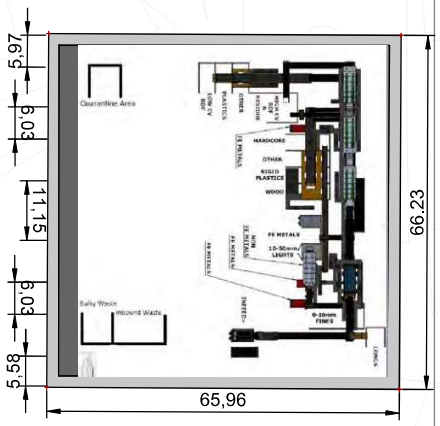
ETL

TRACK

POND

LEVEL CROSSING

MAST



N
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E
S

SITE NAME
SHELFORD LANDFILL

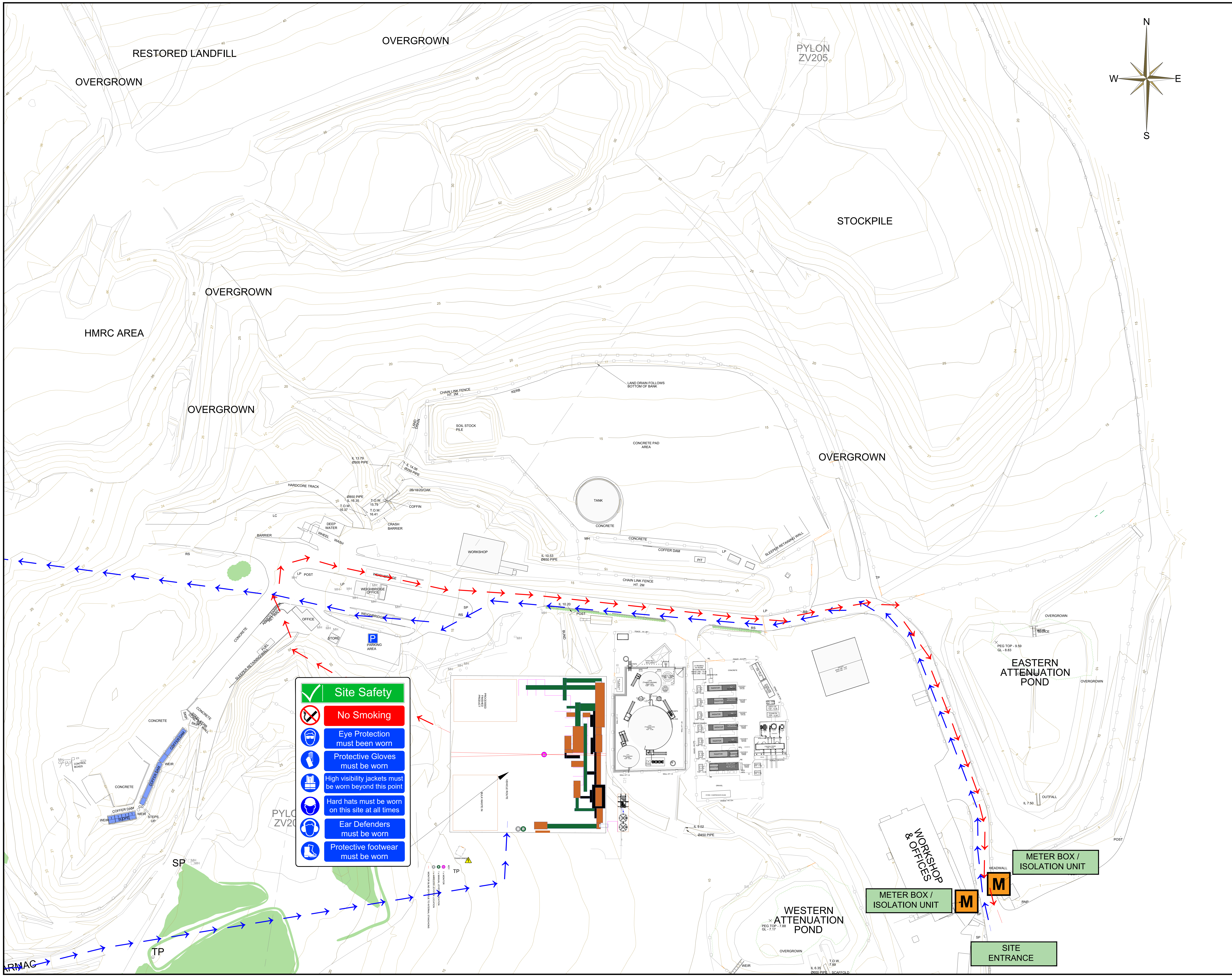
DRAWING TITLE
SITE BOUNDARY PLAN

DRAWING NUMBER
SHF118

TASK NUMBER 10070

SCALE	1:1000 @A3	REVISION	A
O/DRN	C Jones	R/DRN	C Jones
O/DATE	18/09/2023	R/DATE	19/10/2023
O/APP		R/APP	
O/ADATE		R/ADATE	

INFORMATION TAKEN FROM
SURVEY
SERVICES MASTER FILE
OTHER DRAWINGS



Valencia

EMERGENCY ISOLATION POINTS

POWER SHUT OFF | GAS SHUT OFF | WATER SHUT OFF

FIRST AID KIT | EMERGENCY SHOWER | EYE WASH | HEART DEFIB

SPILL KIT | CRITICAL KEYS | EMERGENCY EXIT | MUSTER POINT

EMERGENCY INFORMATION | MANDATORY INFORMATION

NO SMOKING | DESIGNATED SMOKING AREA

AUTHORISED PERSONNEL ONLY | SPEED LIMIT

HAZARDOUS MATERIALS | HAZARDOUS + INFLAMMABLE | FIRE-FIGHTING WATER | GENERAL INFORMATION

CALL POINT | FIRE ALARM CONTROL PANEL | FIRE HYDRANT | METER BOX

FIRE BLANKET | H_2O | CO_2 | FOAM | POWDER

MANDATORY PPE AREA
SAFE WALKING ROUTE
INCOMING TRAFFIC
OUTGOING TRAFFIC
BARRIER

KEY PERSONNEL

FIRST AIDERS:

FIRE WARDENS:

EMERGENCY TEL:

INCIDENT HOTLINE xxxxx xxxxxxx

ASSOCIATED DRAWINGS

SITE NAME
SHELFORD MRF (PROPOSED)

DRAWING TITLE
SITE SAFETY & INDUCTION LAYOUT SHEET 1 OF 2

DRAWING NUMBER
SHF-MRF2000

TASK NUMBER 21340

SCALE	1:1000 @ A2	REVISION	A
O/DRN	R.L.Meaden	R/DRN	C Jones
O/DATE	20.04.2023	R/DATE	27/03/24
O/APP	L.Edmonds	R/APP	L Edmonds
OA/DATE	26.04.2023	RA/DATE	27/03/24

INFORMATION TAKEN FROM

SURVEY	SHF240s-Apr'2022 Rev H
SERVICES MASTER FILE	
OTHER DRAWINGS	SHF247 - Proposed MRF Loc

Site Safety

No Smoking

Eye Protection must been worn

Protective Gloves must be worn

High visibility jackets must be worn beyond this point

Hard hats must be worn on this site at all times

Ear Defenders must be worn

Protective footwear must be worn

WEIGHBRIDGE

STORE

PARKING AREA

PROCESSED FINISHED PRODUCT

BULK WASTE IN

VEHICLE ROUTE

BUND

CONTAINER FLAT ROOF 13.84

WALL HT 1.1

MH

RS

POST

15

20

12

IC

N

S

E

W

Valencia

EMERGENCY ISOLATION POINTS

POWER SHUT OFF | GAS SHUT OFF | WATER SHUT OFF

FIRST AID KIT | EMERGENCY SHOWER | EYE WASH | HEART DEFIB

SPILL KIT | CRITICAL KEYS | EMERGENCY EXIT | MUSTER POINT

EMERGENCY INFORMATION | MANDATORY INFORMATION

NO SMOKING | DESIGNATED SMOKING AREA

AUTHORISED PERSONNEL ONLY | 5 SPEED LIMIT

TEXT DETAIL: HAZARDOUS MATERIALS | HAZARDOUS + INFLAMMABLE | FIRE-FIGHTING WATER | GENERAL INFORMATION

CALL POINT | FIRE ALARM CONTROL PANEL | FIRE HYDRANT | METER BOX

FIRE BLANKET | H_2O | CO_2 | FOAM | POWDER

HIGH VOLTAGE | DEEP WATER | INFLAMMABLE MATERIAL | RISK OF EXPLOSION | AUTOMATIC MACHINERY | HAZARD DESCRIPTION

MANDATORY PPE AREA

SAFE WALKING ROUTE

INCOMING TRAFFIC

OUTGOING TRAFFIC

BARRIER

KEY PERSONNEL

FIRST AIDERS:

FIRE WARDENS:

EMERGENCY TEL:

INCIDENT HOTLINE xxxxx xxxxxx

ASSOCIATED DRAWINGS

SITE NAME
SHELFORD MRF (PROPOSED)

DRAWING TITLE
SITE SAFETY & INDUCTION LAYOUT SHEET 2 OF 2

DRAWING NUMBER
SHF-MRF2000

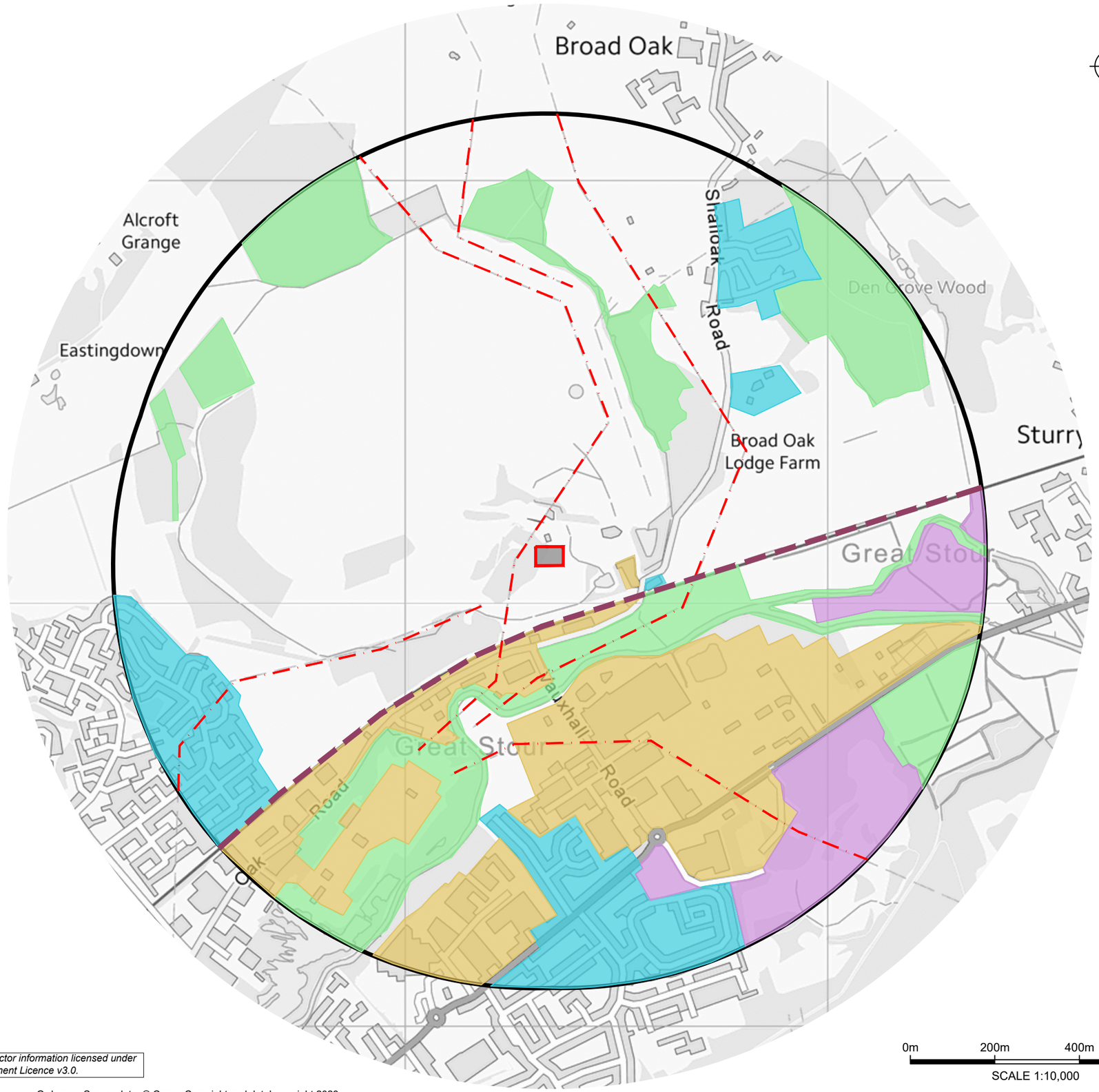
TASK NUMBER 21340

SCALE	1:250 @ A2	REVISION	A
O/DRN	R.L.Meaden	R/DRN	C Jones
O/DATE	20.04.2023	R/DATE	27/03/2024
O/APP	L.Edmonds	R/APP	L Edmonds
O/A/DATE	26.04.2023	RA/DATE	27/03/2024

INFORMATION TAKEN FROM

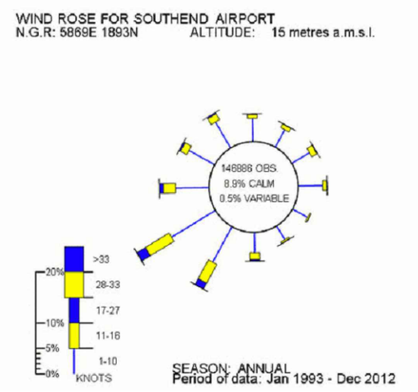
SURVEY	MAS332s-Mar'2022 Rev F
SERVICES MASTER FILE	
OTHER DRAWINGS	SHF247 - Proposed MRF Loc

DO NOT SCALE FROM THIS DRAWING



KEY

- MRF BUILDING
- 1km OFFSET
- HABITAT RECEPTORS
- RESIDENTIAL RECEPTORS
- INDUSTRIAL/COMMERCIAL RECEPTORS
- LEISURE RECEPTORS
- RAILWAY LINE
- ELECTRICITY TRANSMISSION LINES



REVISION	DETAILS	DATE	DR'N	CHK'D	APP'D
A	FIRST ISSUE	27-04-23	DR	KH	AC

CLIENT

VALENCIA WASTE MANAGEMENT

PROJECT

INSTALLATION OF LANDFILL MRFs

DRAWING TITLE

RECEPTOR PLAN

DRG No.	REV	SUIT. CODE
ST20075-002	A	

DRG SIZE	SCALE	DATE
A3	1:10,000	13-04-23

DRAWN BY	CHECKED BY	APPROVED BY
DR	KH	AC

0m 200m 400m 600m

SCALE 1:10,000

N:\ST\ST20075 - INSTALLATION OF LANDFILL MRFS\03 - DESIGN\AUTOCAD\ST20075-002-A RECEPTOR PLAN.DWG