Fire Prevention and Mitigation Plan

Ystradgynlais HWRC,
Bethel Road,
Lower Cwmtwrch,
Ystradgynlais,
Powys,
SA9 2HW

GRID REF. SN773094

VERSION 3

Oct 2021

Document Control

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Contents

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Off-Site Copy

An off-site copy of this plan may be obtained by telephoning Mr Mark Phillips, Area Manager on the telephone number above.

Introduction

Potters Waste Management operate a Household Waste Recycling Centre (HWRC) regulated under Environmental Permit HB3230RK.

This plan has been prepared to ensure that the continued operation is in accordance with relevant fire prevention and mitigation guidance and legislation[1].

The Potters Waste Management Site Location and Fire Site Plans, identify the location of the site at Lower Cwmtwrch while the proposed area outlined in green with detail of the operation noted with text and legend.

This plan details the actions and measures proposed to implement through prevention and management actions in order to reduce risks associated with fire. The proposals for the transfer station ensure that the highest standards of operating practices exist to prevent pollution of the environment, harm to human health and detriment to the amenity of the locality.

An offsite

This document complements the site Management System.

[1] Fire prevention and mitigation plan guidance – Waste, NRW, Version 2, August 2017

1 Causes of fires

Likely causes of fires at a waste transfer site include:

- arson or vandalism
- Visitors and Contractors
- self-combustion (e.g. due to chemical oxidation)
- plant or equipment failure
- electrical faults
- naked lights
- discarded smoking materials
- hot works (e.g. welding or cutting)
- industrial heaters
- hot exhausts
- open burning (on site or adjacent sites)
- damaged or exposed electrical cables
- reactions between incompatible materials
- neighbouring site activities
- sparks from loading buckets
- incompatible wastes
- hot loads deposited at the site

These risks are considered within the development and review of this plan in regard to the site volumes, materials, handled, site configuration and management as detailed.

Staff should be aware of these risks and consider them when conducting any fire safety checks.

2 Fire Prevention and Mitigation Measures

This Fire Prevention and Mitigation Plan (FPMP) is part of the site environment management system and includes an assessment of fire site risk and the measures in place to prevent, detect, suppress, mitigate and contain fires.

It is recognised that as the operator, it is the intention and a requirement to do all what is reasonable to prevent a fire but with the caveat that it is not possible to completely eliminate all risks. Therefore, staff should be vigilant at all times.

These prevention measures align with general management processes to ensure waste quantities are within the sites capacity and that wastes are stored and managed properly.

All staff and contractors working on-site are made aware of, and understand the contents of, this fire prevention and mitigation plan and what they must do during a fire. Any maintenance requirements, e.g. welding, may be subject to a separate risk assessment and require temporarily changes to site fire risk management.

A copy of this document is located in each office area and all staff are advised where the Fire Prevention and Mitigation Plan is kept. There is also a copy of the document in a box located on the outside of the gate.

All waste on site is stored within containers which are managed to provide a minimum separation distance of a metre between each. All taller containers have a steel walkway adjacent to them for loading.

Adequate water supplies are available at all times to fight a fire.

Easy access is enabled for emergency vehicles to the whole site

HWRC's operate with a short term storage operation. Materials that have the capability to self-combust are not stored for more than 3 months

This plan is regularly reviewed, at least annually or in the event of a fire incident or near miss, to ensure it continues to be fit for purpose making sure that staff understand their responsibilities and what to do.

This plan specifies the:

- amount and type of waste received daily and how it is managed
- total amount of waste and different types and forms (e.g. unprocessed, shredded, chipped, fines or baled) stored on site at any one time
- maximum time each type of waste is stored on site and how it is managed
- manner by which each type of waste is stored
- maximum volume of each waste pile in m^3
- location within the site where each type of waste is stored
- maximum size of any waste containers stipulating the maximum length, width and depth
- minimum separation (fire break) distance between containers or storage areas

- fire prevention techniques used, including management of hotspots (sign of potential self-combustion), monitoring, reporting, recording and actions
- techniques used to minimise the risk of fire spreading within or from site
- steps and procedures to be followed if a fire occurs on site
- combustion products and emissions (to air, land and water) from the fire and the emergency response (including the impact on people, critical infrastructure and the environment) and how they are minimised
- manner of safe access to site for fire and rescue services and other emergency responders

2.1 In the Event of a Fire

- As necessary, raise the alarm.
- Active firefighting does not mean that staff have to fight the fire; no one should put themselves at risk by trying to fight a fire.
- Fire-fighting equipment (extinguishers, hoses) is available on the site and is to be used if it is safe to do so.
- If the vehicle is available and can be managed safely, use a hook lift vehicle to remove adjacent container to a quarantine area and douse if necessary.
- If necessary, immediately contact the emergency fire service and Natural Resources Wales by telephone as soon as practicable.
- On detecting a fire, staff are to evacuate site to the Assembly Area at the main entrance on the pavement of the public highway ensuring that there is no hindrance to access by emergency vehicles.
- Site visitors are to be turned away.
- Provide sandbags to create a bund, in agreement with the fire brigade, to assist in containing waste fire water.
- Refer to the site Working Plan.
- Refer to the site Contingency Plan
- All measures beyond initial fire response should be carried out in consultation with fire services and NRW as appropriate.
- If the fire is severe, notify immediate neighbours that evacuation may be required. Consider notifying wider receptor such as the local school.

- Identify if neighbouring contractors might be used to assist with additional plant for firefighting techniques, removal of waste material
- Bund the affected areas with sandbags to provide containment and allow removal of excess water run-off

2.2 Fire Fighting Strategy

The site layout has been reviewed t ensure it is in alignment with Guidance Note 16 to allow for active firefighting. This will help allow a fire to be extinguished within the shortest time possible.

Resources are available on site at all times to fight a fire. These include;

- extinguishers and hoses
- All staff are adequately trained in Fire Safety using Praxis 42 (Barbours) Learning Platform. Designated staff will also have completed Fire Marshall and Wardens training.
- available water supply on site, an adjacent river, Afon Twrch and nearby hydrants
- adequate finances available for additional resources if required

*a Roll-on Roll-off hooklift vehicle will be available that can be used to move waste containers around the site

A variety of firefighting techniques can be used together or separately to extinguish a fire. These include:

• applying water to cool unburned material and other hazards
• separating unburned material from the fire using the vehicle
• separating burning material from the fire and moving it to the quarantine area to quench it with hoses

All techniques may be used by staff on site if they are suitably trained, and when necessary, under supervision by the fire and rescue service. No staff will undertake firefighting if it is not safe to do so. Relevant authorities will be called.

3 Site Plans

3.1 The Site Plan identifies the following information as pertinent;

- layout of buildings
- areas where, if any, hazardous materials are stored on site. For example, location of gas cylinders, processing areas, chemicals, combustible materials, oil and fuel tanks.
- main access routes for fire appliances and any alternative access
- access points around the site perimeter to assist fire fighting
- hydrants and water supplies, including any watercourse, borehole or well located within or near the site
- areas of natural and unmade ground
- location of plant, protective clothing and pollution control equipment and materials
- location of drain covers, and any pollution control features such as drain closure valves and firewater containment systems
- location of “off- site” emergency information pack with site plan (as specified above)
- location of key receptors such as critical infrastructure, schools, hospitals, residential areas, workplaces, protected habitats and rivers within 1km of the site
- compass rose showing north and the prevailing wind direction

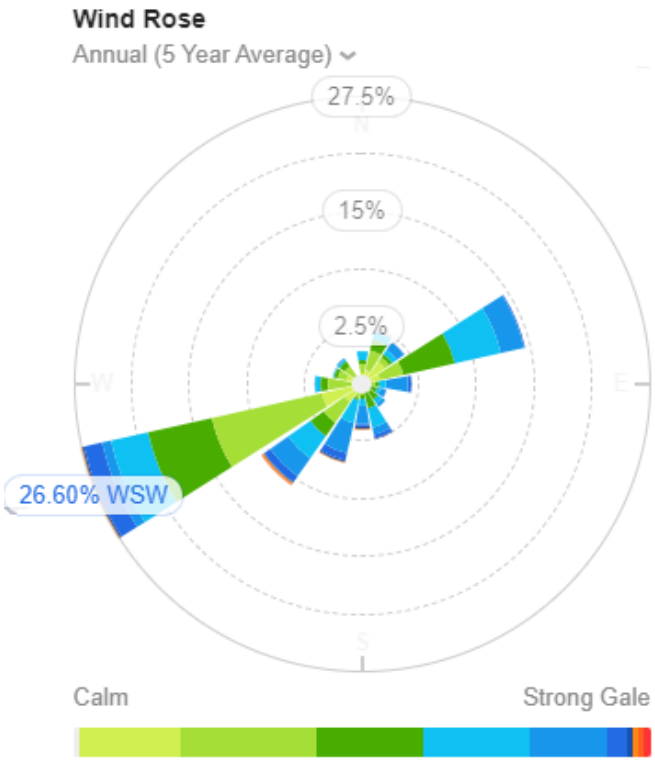
3.2 Drainage Plan

The plan identifies the following information as pertinent;

- drainage systems, foul and surface water drains, and their direction of flow and outfall points

3.3 Wind direction

For the scale of impact of this site it is not considered that wind direction will have an influence on fire spreading or mitigating site design. Nevertheless, Natural Resources Wales have demanded the academic exercise of including a wind rose.



4 Fire Prevention

As a priority, it is recognised that doing everything possible to prevent fire is the most important part of this plan.

Actions implemented and considered during implementation and review of this policy include;

- site security measures to prevent arson include security fencing, intruder alarms and 24hr CCTV.
- controlling sources of ignition such as heating pipes, naked flames, light bulbs, space heaters, furnaces and incinerators
- maintaining separation of ignition sources to at least 6m from piles of combustible and flammable materials by having clear waste height restrictions within buildings to prevent waste being stored within 6m of ceiling lighting.
- reinforcing fire prevention messages using signs
- ensuring staff and contractors follow safe systems of work when undertaking hot working, such as welding and cutting
- ensuring all visitors follow the correct safety and fire prevention procedures
- enforcing the no smoking policy
- regular maintenance and inspection for all site areas, including site plant and machinery, and minimising fibre and paper storage
- justifying any situation other than fitting site vehicles with fire extinguishers and dust filters
- industrial heaters are not used on site
- a fire-watch is carried out at the end of each shift and the inspection recorded in the Site Diary, actions taken and concerns (eg when dust from processing operations can settle onto hot exhausts and engine parts)
- ensuring separation distances are observed at all times
- site Waste Acceptance Criteria is managed constantly by on site staff to ensure no hot or dangerous loads
- smoke or fire in or adjacent to site would be reported to and investigated by the site manager

5 Waste Storage and Management

Please refer to the Site Plan.

Waste is stored in a single operating area as shown on the Site Plan.

Storage times are to be kept to a minimum and less than 3 months for materials at risk of self combustion.

5.1 Main Operating Area

Opening:	Monday –	09.00 - 17.00
	Tuesday -	Closed
	Wednesday -	Closed
	Thursday -	09.00 - 17.00
	Friday -	09.00 - 17.00
	Saturday -	10.00 - 16.00
	Sunday -	10.00 - 16.00

Waste types:

13 02	**waste engine, gear and lubricating oils**
15 01 01	paper and cardboard packaging
15 01 02	plastic packaging
15 01 07	glass packaging
17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
17 06 01*	insulation materials containing asbestos (consisting of bonded asbestos only)
17 08 02	gypsum-based construction materials other than those mentioned in 17 08 01
20 01 01	paper and cardboard
20 01 02	glass
20 01 08	biodegradable kitchen and canteen waste
20 01 10	clothes
20 01 11	textiles
20 01 21*	fluorescent tubes and other mercury-containing waste
20 01 25	edible oil and fat
20 01 38	wood other than that mentioned in 20 01 37
20 01 39	plastics
20 01 40	metals
20 02 01	biodegradable waste
20 02 02	soil and stones
20 03 01	mixed municipal waste
20 03 07	bulky waste

Max Amount Stored:	6 tonnes in any container	
Form:	General Combustible wastes:	Compacted
	Wood, Carpets, Bulky others:	Loose
	Incombustible inert wastes:	Loose
	WEEE and hazardous:	Loose
Management Technique:	Following the site Management System and Waste Acceptance Criteria guidance. Waste is deposited directly into containers by the public or with assistance from a site operative. Usually after closing hours but periodically, during each day, the waste containers are removed by hook-lift vehicle. A number of removal vehicle loads and deliveries of waste are made each day as required. An amount is left in the storage containers overnight. When material is compacted it will be within an enclosed compactor skip	
Typical Time Stored	7 days	
Maximum Time Stored:	1 month	
How stored:	Containers	

Maximum container size

Max volume (yd^3):	40 ($30.5m^3$)
Container Dimensions (feet)(l*w*h):	18’*8’*8’ (5.5*2.5*2.5m)

Minimum fire separation distance between storage areas: 1m

Separation medium: Container wall and air space

Fire prevention techniques used:

• hotspot management	Waste removed frequently
• monitoring	Frequently by operator during loading and unloading
• reporting	To Site Manager
• recording	Site Diary
• actions	If a fire is detected and it is safe to do so, douse the fire using fire extinguisher or hosepipe. Once cold, remove waste via the normal disposal route.

Techniques used to minimise the risk of fire spreading within or from site:

- Keep site tidy and clear of litter.
- Clear containers of overhanging wastes.

Steps and procedures to be followed in the event of a fire:

- If a suitable vehicle is available, and it is safe to do so, remove **adjacent** containers to the internal quarantine area and douse using fire extinguisher or hosepipe.
- Apply water to cool unburned material and other hazards
- Adhere to site Management System Fire Procedure

Emissions to air, land and water and how they are minimised and managed arising from the fire combustion products:

- The majority of waste is non-hazardous classification.
  Exceptions are:
- Waste electrical and electronics items, including bulbs and batteries.
- Paint and chemicals
- tyres

emergency response

- Mats will be applied to cover surface water drains.
- Water will be contained by sandbag bunds and recycled where possible.
- Fire water management is detailed in Point 11, p18.
- Sensitive receptors (P21) contact details of all sensitive receptors within 1km radius of site if smoke deemed a risk to health.
- Fire service to release announcement should it be deemed necessary.

It is difficult to state what risks may occur from smoke, as this will depend on what material is on fire. The FPMP's aim is to extinguish the fire as quickly and efficiently as possible. Where a risk is perceived, the relevant authorities, i.e., Welsh Water, NRW will be informed immediately, and a suitable plan to protect the local environment and public initiated.

Access

Safe access to site for fire and rescue services and other emergency responders will be though the main entrance gate. The building can be accessed by the pedestrian or vehicular entrances as decided upon by the services incident supervisor.

5.2 General Fire Incident Management and Mitigation Techniques

Quarantine Area

A Quarantine Area is provided, by moving containers adjacent to an incident to the centre of the main yard which is big enough to cope with a major incident, with a clear area of at least 6m around a pair of containers. It is located in a position where drainage runs towards a foul sewer.

This Quarantine Area is available at all times and identified on the Site Plan.

Fire Management

Additional to meeting the basic requirement of extinguishing the fire by use of water, the following techniques are to be considered. These following techniques will depend on the situation at the time, and the suitable techniques will be used with guidance from the fire service and Natural Resources Wales.

- reducing the amount of firewater run-off generated from using sprays and fogs rather than jets
    - responsibility of emergency services
- recycling firewater if it's not hazardous and possible to reuse
    - Work in conjunction with emergency services
- when applying water to cool unburned material and other hazards, taking care to prevent this water causing or adding to water pollution and/or increasing air pollution
    - drainage mats
- consider options for separating burning material from the fire to quench it with hoses or in pools or tanks of water (this will reduce the amount of firewater produced)
- burying the fire using soil, sand, crushed brick and/or gravel from the inert storage, (if there are limited water supplies and smoke is threatening local people) although this can only be done when:
    - plant is available locally
    - groundwater vulnerability is low
    - there is agreement from Natural Resources Wales
    - contaminated material is removed and legally disposed of as soon as it's safe to do so
- separating unburned material from the fire using a vehicle

The decision directing which options, or combinations of options are to be used, is considered as appropriate taking into account the following parameters;

- scale and nature of the environmental hazards on site and the activities that take place
- risks posed to people, the environment and property
- type of materials stored on site, the form they're stored in and the length of time needed to extinguish a fire involving them
- availability of firewater containment facilities
- local topography, weather conditions and fire scenarios reasonably predicted

All measures beyond initial fire response are to be carried out in consultation with fire services and NRW as appropriate.

6 Self Combustion

It is noted that guidance indicates some materials can self-combust under certain conditions, the risk of which increases when materials are stored for greater than 3 months.

Additionally, compliance with specific permit conditions may restrict the maximum storage time below this limit.

Self-combustion can be prevented if materials management provides adequate separation, isolation, restricted storage times and keeping materials cold.

Materials that are considered to be at risk of self-combustion if stored for more than 3 months are:

- green material, compost, wood and wood products, paper and paper products,
- general/mixed waste including residual waste, RDF and ‘fines’
- tyres
- smaller size or graded materials either stored or mixed
- material that has not had potential hazards removed before stacking e.g. exposed rust
  which can generate heat
- treated materials which aren't cold before storage (Consider if treatment processes can generate heat)

HWRCs operate with short storage waste durations which are unlikely to exceed a week in regard to risk materials.

All materials are stored for as short a time as possible and no longer than one month.

Review storage periods within the plan to ensure that they may be reduced where there is another requirement to ensure compliance with the Permit, e.g. Odour Management Plan or pest control measures.

Documentation must demonstrate a clear method for recording and managing the storage of all waste on site and ensuring robust waste acceptance procedures exist as part of the Environment Management System to prevent receipt of unauthorised waste, or waste when the site does not have the capacity to treat or store it.

Alternative management options will be followed should the site reach its storage capacity as a limit within the site Permit and EMS.

7 Detecting and suppressing fires

If a fire starts, the quicker it is detected and tackled the better.

A designated person will carry out inspections, at the start, middle and end of every working day.

Site attendants are walking around site continuously, therefore all containers are regularly monitored throughout the day.

Staff are made aware of the location and use of portable extinguishers and fire hoses.

The plan reviews will consider whether it is appropriate to fit additional automatic detection systems such as:

- smoke and heat detectors including temperature probes
- CCTV visual flame detection systems
- spark, infrared and ultraviolet detection

and

fire suppression systems such as sprinklers

8 Containing and mitigating fires

Fire management must consider all appropriate measures that limit the size, duration and impact of a fire.

Waste on site is regularly removed. It is unusual for materials not to be removed from site at least weekly.

Containers

Waste is predominantly stored in Ro-Ro type containers. These containers, and all others that can hold more than 1,100 litres, are accessible so any fire inside it can be extinguished.

Skip containers are separated from one another with an air space of at least a metre.

Where possible, skips are arranged so that there is a container of inert materials separating skips of combustible materials.

A Ro-Ro hook lift vehicle is available on site at all times so that should there be a fire, there is the facility to move adjacent containers as soon as is reasonably practicable, in a safe manner, to prevent fire spreading.

The site manager is on call to drive vehicles out of hours.

There is good access to all skip containers which would allow fire services to move them using chains if an emergency situation was considered.

Compactor Containers

There is reduced risk of fire within the waste as the containers are completely enclosed, however, the same management applies as above.

Additionally, the electric motors of the containers pose a risk of fire. These are produced to a recognised BSI safety standard and are regularly maintained, and safety checked. A fire in the compactor motor area should be fought with foam or CO_2 rather than water.

The main body of the compactor houses only 2 hoses on the internal of the machine: image 3 and 4. Should one of these hoses leak or fail it is possible to remove the rear-guard and place a standard tray underneath: image 5 and 6.

The power unit is raised upon a stand. Should there be a leak from this area, 3x spill mats around the outside can be placed around the outside. Image 1 and 2

Containers will be checked as part of the daily site inspections.

If a container is considered to be at risk, fire or burning smell is detected, the container will be isolated and not used. A sign will be placed prohibiting access to the container.

General Control Measures

Planning measures include on-going consideration of implementation maintenance and review of:

- the designated quarantine area being available at all times with a 6m clear area around the perimeter to aid separation and management of wastes during an incident
- appropriate location separation of containers
- flammable materials stored appropriately within separate compounds or a chem-safe. (e.g. gas cylinders, waste solvents and fuels)
- appropriate separation distances from the wastes to the site boundary. Currently there are no buildings adjacent to the site boundary.
- a firefighting strategy within the fire prevention measures
- installation of secondary and tertiary containment facilities for firewater run-off such as:
    - impermeable bunds
    - storage lagoons
    - shut-off valves
    - isolation tanks
    - modified areas of site e.g. a car park
    - pollution control equipment such as firewater booms and drain mats to block drain and/or divert firewater

Shipping Containers

If placing combustible materials in shipping containers, these will be stacked no more than 2 containers high and secured with a lock.

9 Storage Management

Piles are not used as a storage technique on site.

Separation Distances guidance Table 2 of the Guidance Note 16 does not apply to Ro-Ro containers such as those used at this site.

9.1 Market outlets

A list of market outlets for all store materials is within the Appendix. Markets are continually assessed to ensure availability and contingency options are present.

10 Water supplies

There is sufficient water supply available on site or to site, to manage a worst case scenario incident where all piles are on fire.

Calculations are to use the following estimate to the volume of water needed;

- A 300m^3 pile of combustible material will normally require a water supply of at least 2,000 litres (2m^3) 6l/m^3 per minute a minute for a minimum of 3 hours.
- This is equivalent to 360m^3 of water use.

Site containers are a maximum 40yd^3 (30.5m^3). At a supply rate of 2m^3 per minute. A container would be completely filled with water in 15 minutes.

The Afon Twrch runs adjacent to the site.

A fire hydrant is located within 100m from the main transfer site entrance. Please refer to the attached plans.

11 Managing fire water

The containment facilities and pollution equipment needed depend on the site configuration, amount of material stored and the firefighting strategy. The CIRIA document 'Containment systems for the prevention of pollution (C736)' provides guidance to help identify the facilities and equipment needed.

The largest container volume at site will be up to 30m^3 so will this as a maximum volume.

The site drains to foul sewer via an attenuation tank. This tank can be isolated.

Uncontrolled discharge to the water environment may be committing an offence unless:

- there is a permit to do so
- the discharge meets the conditions of that permit

An emergency discharge consent would be sought from Welsh Water. This is something that cannot be done prior to a fire occurring.

Alternatively, fire water would be bunded and removed by tanker. Potters operates its own HGV tanker trailer, or a specialist contractor will be used.

11.1 Best Practice

Best practice will comply with guidance from WISH, WASTE 28 Reducing fire risk at waste management sites issue 2 – April 2017.

This will take advantage of recent innovation in firefighting and fire water management by use of retardant detergent agents.

12 After an incident

Following an incident, arrangements will be made to provide suitable company vehicles and plant to allow removal of waste material to either the Potters Bryn Posteg landfill site Llanidloes, Powys SY18 6JJ or Withyhedge, Rudbaxton, Haverfordwest, Pembs SA62 4DB.

A company incident investigation procedure will be carried out.

Any firewater will be removed by pumping to a foul water sewer or transporting using a Potters Tanker vehicle to a licensed facility.

The affected areas of site will be cleared, cleaned and decontaminated as required.

The Health and Safety Manager will conduct a site visit to assess any measures required to ensure operation can restart.

An assessment will be made of the integrity of the site by senior management and repairs and replacement of infrastructure and plant carried out.

Notify the insurance company and HSE

In the event that a fire may have affected a building, have the building inspected by a surveyor and passed as safe for use.

The site will not operate until measures defined by the Incident Procedure are carried out and signed off by the relevant manager.

PotterGroup

Schedule of Materials Processors

No	ITEM	Material processor	Contingency
1	**Paper**	Parry and Evans ltd, Severn Farm Industrial Estate, Welshpool, Powys. SY21 7DF	Palm Recycling LTD, Pioneer House, North Road, Ellesmere Port, Cheshire, CH65 1AD
2	**Cardboard**	Parry and Evans ltd,	UPM Shotton, Weighbridge Road, Shotton, Deeside, Flintshire CH5 2LL
3	**Glass containers**	Recresco Ltd, Manisty Wharf, North Road, Ellesmere Port, Cheshire, England CH65 1AB	Glass Tech Recycling Ltd. Unit 10, Tank Farm Road, Llandarcy, Neath, NPT. SA10 6EN
4	**Sheet Glass**	Glass Tech Recycling Ltd. Unit 10, Tank Farm Road, Llandarcy, Neath, Neath Port Talbot. SA10 6EN	Amber Services ltd , Caerphilly, CF82 7TR
5	**Plastics – soft**	Dragon Recycling Solutions, Unit 4 Sigeric Business Park, Hereford HR2 6BQ / Cae Post	AJ Recycling, Meigan Wells, Boncath, North Pembrokeshire SA37 0JE
6a	**Plastics - film**	Birch Farm Plastics ltd, Fforch Egel Farm, Gwrhyd Rd, Rhiwfawr, Swansea. SA9 2SE	DS Smith Recycling, Ty Gwyrdd, 11 Beddau Way, Caerphilly. CF83 2AX
6b	**Plastics - EPS**	Amgen Cymru Bryn Pica, Llwydcoed, Aberdare CF44 0BX	
6c	**Plastics – hard uPVC**	National Window Recycling Co ltd, Neath Abbey Wharf, Skewen, Neath Abbey, Neath, SA10 6BL	The National Window Recycling Company, Lockleaze Road, Lockleaze, Bristol. BS7 9RU
6d	**Plastics – hard other**	EMR, Alexandra Building, Alexandra Dock 1, Bootle, Merseyside.L20 1BX	AJ Recycling
7	**Cans**	Potters Waste Management, Potters Yard, Severn Road, Welshpool, Powys. SY21 7YE	Novelis Recycling, Latchford Locks Works, Thelwall Lane, Warrington, Cheshire WA4 1NN
8	**Garden waste**	Potters Waste Management, Bryn Posteg Landfill and MRF, Tylwch Road Llanidloes, Powys. SY18 6JJ.	Bryn Compost Ltd, Gelliargwellt Farm, Gelligaer, Caerphilly. CF82 8FY.
9	**Scrap metal**	Potters Waste Management	Sims, Neath Abbey Wharf, Neath, SA10 6BL
10	**Wood**	Potters Waste Management	Bryn Compost Ltd,
11	**Soil**	Bryn Compost Ltd, Gelliargwellt Farm, Gelligaer, Caerphilly. CF82 8FY.	Tudor Griffiths ltd, Wood Lane, Ellesmere, Shropshire, SY12 0HY
12	**Building rubble**	Bryn Compost Ltd	Amber Services ltd , Caerphilly, CF82 7TR
13	**Cartons (tetra pak)**	Tetra Pak Ltd , Bedwell Road , Cross Lanes, Wrexham. LL13 0UT.	Recresco Ltd, Springvale Industrial Estate, Cwmbran, Torfaen. NP44 5BE
14	**Plasterboard**	TMR Ltd. Image Business Park Acornfield Road, Knowsley Industrial Estate, Liverpool. L33 7UF	Grundon Waste Managament Ltd. Wingmoor Farm, Stoke Orchard Road, Bishops Cleeve, Gloucestershire, GL52 7DG
15	**Carpets**	Potters Waste Management	Econpro, 13a Deeside Industrial Estate, Zone 1 Central, Deeside, Clwyd CH5 2LR
16	**Mattresses**	Amgen Cymru, Bryn Pica, Llwydcoed, Aberdare, Rhondda Cynon Taff, CF44 0BX	
17a	**LDA WEEE cat 1**	ERP	
17b	**DSE WEEE cat 3**	ERP	
17c	**SDA WEEE cat 2, 4, 5, 6, 7, 8 & 9**	ERP	
17d	**Cooling Equipment WEEE cat 1**	ERP	
17e	**Fluorescent Tubes**	ERP	
17	**WEEE (Re-use)**	Ystradgynlais Volunteer Centre (YVC)	
18	**Textiles & Shoes**	Salvation Army Trading Company Ltd, 66-78 Denington Rd, Denington Ind Est, Wellingborough, Northants. NN8 2QH	Wilcox Industrial Supply Co, Beldray Works, Beldray Road Bilston, West Midlands, WV14 7NH

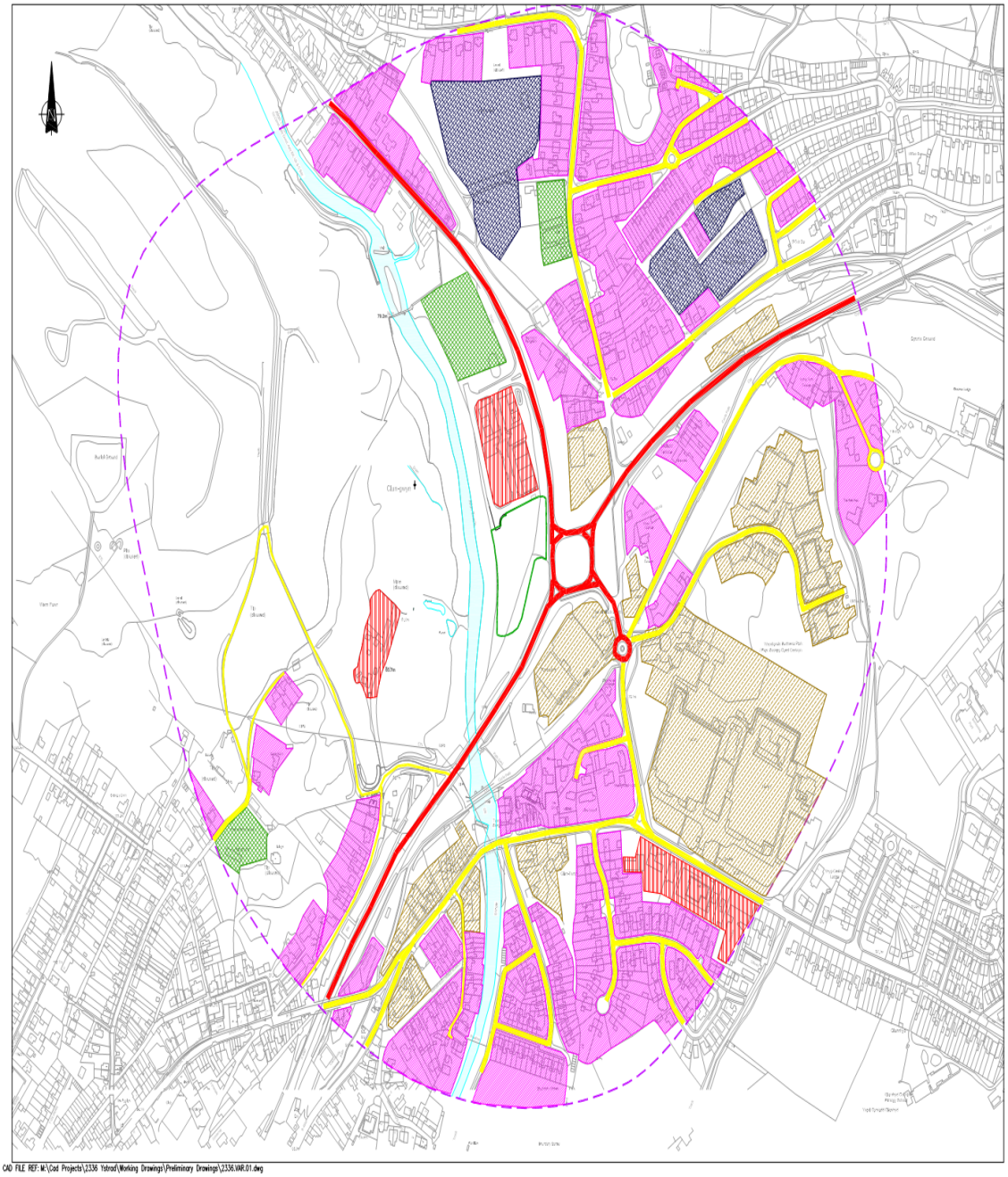
19	**Bric-a-Brac**	YVC	
20	**Gas Bottles**	Synergy, SSI, Bloomfield Road,Tipton,DY4 9EE	Willows Garden Centre, Merthyr Tydfil CF48 1YF
21	**Batteries (h/h)**	ERP	
22	**Batteries (Pb/acid)**	Potters Waste Management	
23	**Used veg oil**	Neal Soil Supplies Ltd, Ty-To-Maen Farm, Newton Road, Rumney, Cardiff. CF3 2EJ	GP Biotec ltd, Great Portamel, Talgarth, Powys. LD3 0DL.
24	**Car engine oil**	Eco Oil Ltd, 7 Newquay Road, Newport, NP19 0PL	OSS Group, Stockpit Road, Knowsley, Merseyside, L33 7TQ
24a	**Oil Filters**	Eco Oil Ltd	OSS Group
25	**Ink and Toner cartridges**	Salvation Army Trading Company Ltd	
26	**Paint (re-use)**	YVC	
27	**Asbestos**	n/a – managed elsewhere	
26, 29	**Paint / Chemicals**	Ineos Chlor Vinyls Ltd South Rd, Runcorn, Cheshire WA7 4EY	Grundon Waste Management Ltd
28	**Tyres**	Potters Waste Management	AJ Recycling
	Residual Waste	Potters Waste Management	Tudor Griffiths ltd
	Other soft furnishings	JBS Fibres ltd. Unit C5 I, North Street, Bridgend Industrial Estate, Bridgend. CF31 3TP	
	Furniture (re-use)	YVC	

Sensitive Receptors – Schools, doctors surgeries and care homes in red text.

BUSINESS NAME	Contact number
LBS Builder Merchants	01639 843212
Sa9Cabs	07450 606978
Cwmphil Fish Bar	01639 842223
Isfryn Care Home	01639 841958
Arrow MOT Centre	01639 841101
BMW Off Road Skills	01622 776686
Touratech UK Adventure Bike Store	01639 841765
Tesco Superstore	0345 6719459
Tesco Petrol Station	0800 505555
The Aubrey Arms	01639 842116
Home Bargains	01639 843859
Ysgol Gymraeg Dyffryn Y Glowyr	01639 846060
Amy Nicole Makeup	amynicolemakeup.co.uk
Quids in Plant Nursery	01639 849221
Drivecoach Driving School	0330 111 6858
Ty Glyndwr	01237 426781

Tafarn Twrch	01639 831279
Ystradgynlais Police	01267 222020
Riderz	01639 849272
Apple Tree Cottage	No phone number
Hair by Angelique	07811 098860
Pen Y Waun Farm	01639 849502
Cwrt Enfys Care	01639 841265
Pen Gorof Surgery	01639 843221
South Wales Picture Framers	01639 849544
Nightingales	01639 844155
Bullart Graphics	01639 843515
The Grove Care Home	080 0902 0092
Ysgol Maesydderwen Comprehensive School	01639 842115
Canolfan Chwaraeon Ystradgynlais Sports Centre	01639 844854
Fortune House	01639 842484
Ysgol Bro Tawe	01639 846000
Texaco	01639 845190
Eileen's Hairdressers	01639 842867
The New Swan	01639 841222
Calium Caravan Services	07980 310126
Glantawe Landscapes and Tree Services	01639 844049
Riverside School of Motoring	01639 841488
Ysgol Gyfun Ystalyfera	01639 842129
Swansea Valley Customised Wear	07846 033999
Premier Express and Post Office Ystalyfera	01639 841194
Renewable Heating Wales	07886 872350
Tinas Treasures	07794 971286
Curry House	01639 844494
Ystradgynlais Group Practice	01639 843251

There is the Afon Twrch approximately 50 metres from the site. It is noted earlier in the document how this will be dealt with.



NOTE

1. SURVEY INFORMATION PROVIDED BY FCC. REF: 331A011..DWG. DATE RECEIVED: 09.03.2015.
2. ALL DIMENSIONS IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM.
3. DO NOT SCALE FROM THIS DRAWING.

NOTE

- PERMIT BOUNDARY
- 500m DISTANCE FROM SITE INSTALLATION AREA
- MAJOR HIGHWAYS
- MINOR HIGHWAYS
- RESIDENTIAL
- INDUSTRIAL
- OPEN SPACES, PARKS & FARMLAND
- RETAIL & COMMERCIAL
- SCHOOLS
- SURFACE WATER BODIES/ STREAMS

PRELIMINARY DRAWING FOR INFORMATION PURPOSES ONLY

REV	MODIFICATIONS	BY	CH	AP	DATE

POTTERS WASTE MANAGEMENT

PROJECT: YSTRAD PERMIT TRANSFER

TITLE: RECEPTORS

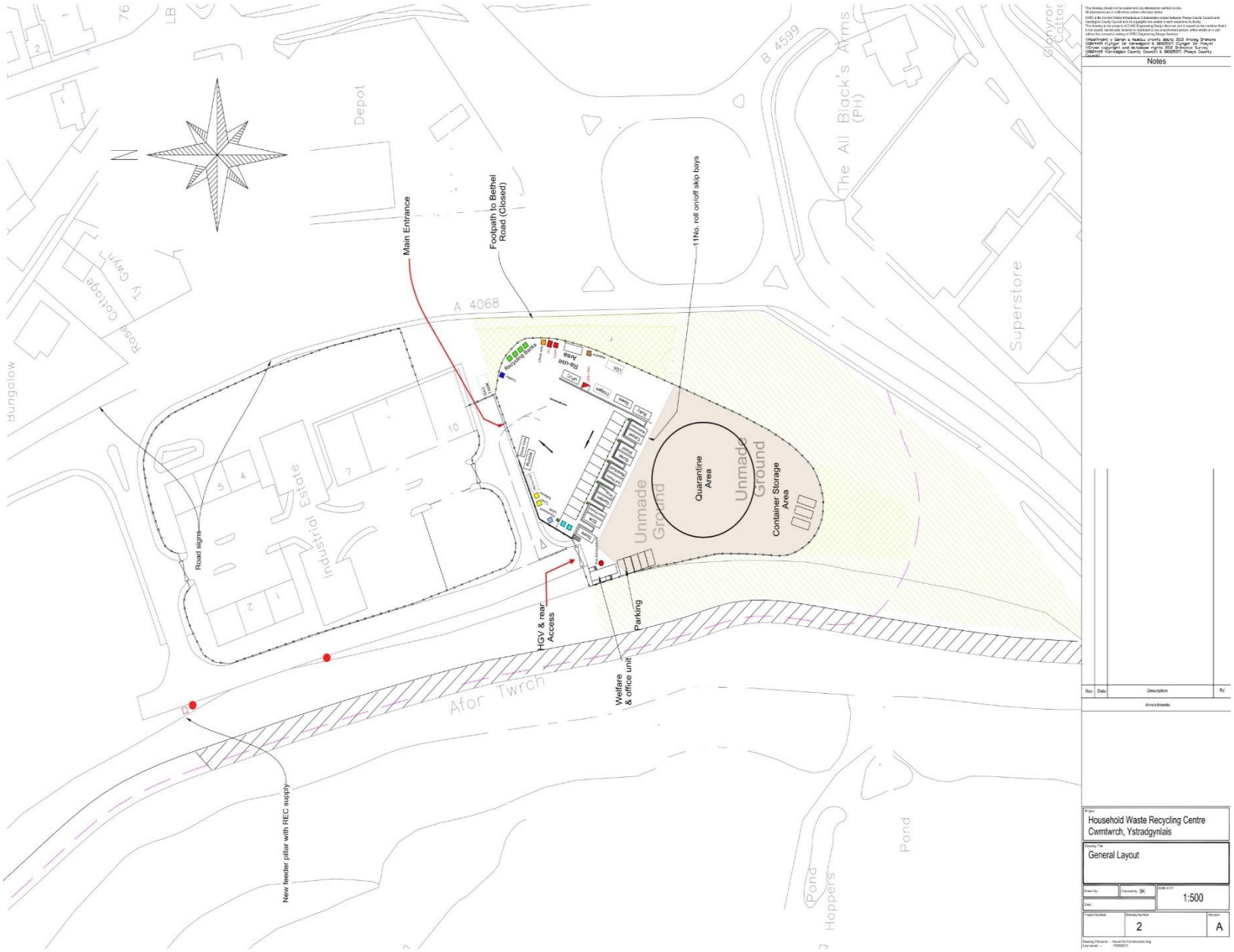
DRAWN BY: EW	DATE: 15.06.2015	
REVIEWED BY: AGS	SCALE @ A1: 1:3000	
AUTHORISED BY: AGS	ISSUE: P	REVISION: -
DRAWING NUMBER: 2336.POT.01		

Caulmert
erg testing environment planning

Registered Office: Int'ec, Parc Menai, Bangor, Gwynedd, LL57 4FG Company Registered No: 06716319

www.caulmert.com

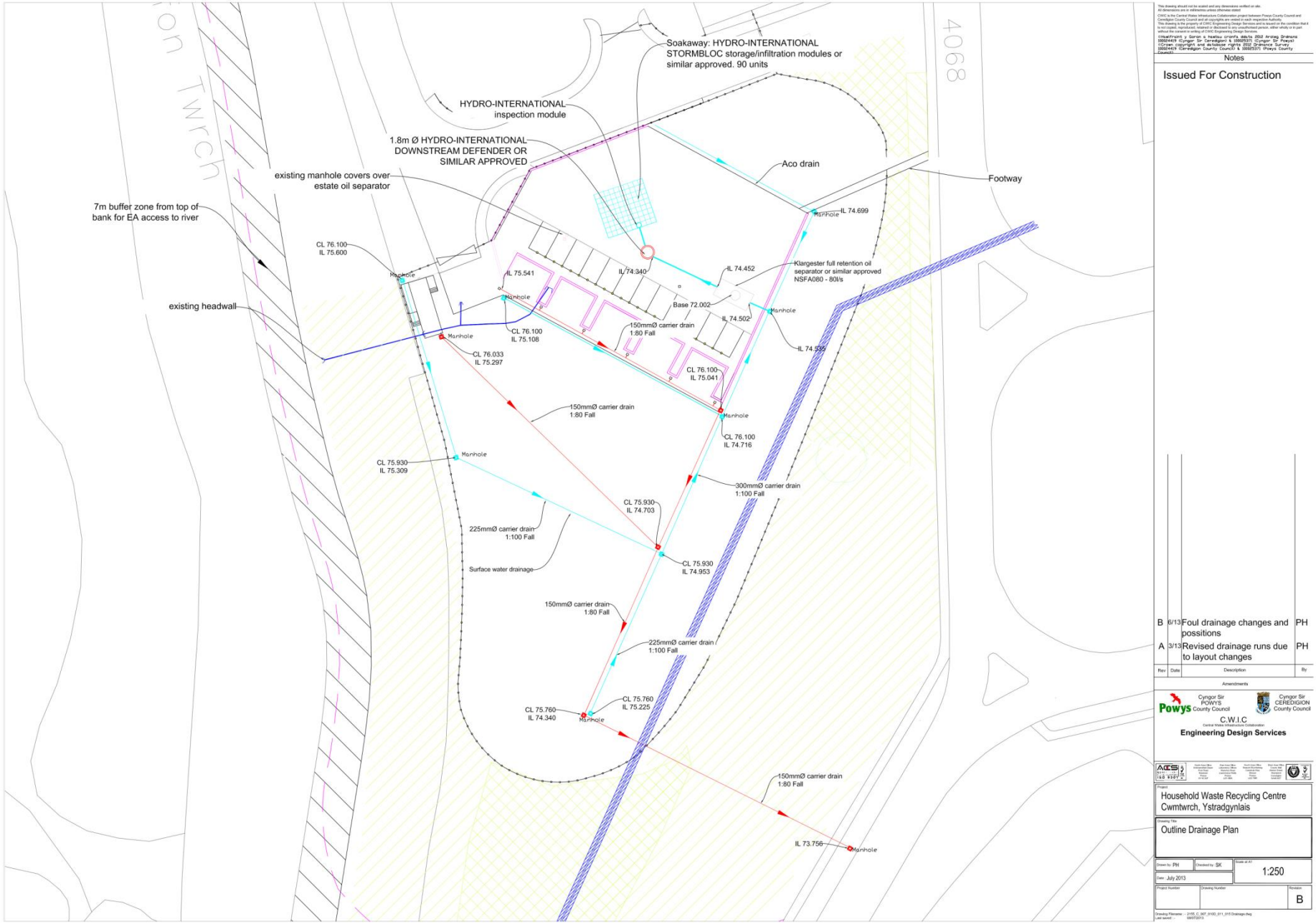
CAD FILE REF: M:\Cad Projects\2336 Ystrad\Working Drawings\Preliminary Drawings\2336.WR.01.dwg


Notes
Main Entrance
Footpath to Bethel Road (Closed)
11No. roll on/off skip bays
A 4068
B 4599
Depot
The All Black's Arms (PH)
Superstore
Industrial Estate
Road signs
Re-use Area
Existing Skips
Quarantine Area
Unmade Ground
Container Storage Area
HGV & rear Access
Parking
Welfare & office unit
Afon Twrch
New feeder pillar with REC supply
Pond
Hoppers
Rev
Date
Description
By
Amendments
Project
Household Waste Recycling Centre
Cwmtwrch, Ystradgynlais
Drawing Title
General Layout
Drawn by :
Checked by : SK
Scale at A1
1:500
Date :
Project Number
Drawing Number
2
Revision
A

Site Plan

PotterGroup

Drainage Plan



Notes

Issued For Construction

Rev	Date	Description	By
B	6/13	Foul drainage changes and possitions	PH
A	3/13	Revised drainage runs due to layout changes	PH

Amendments

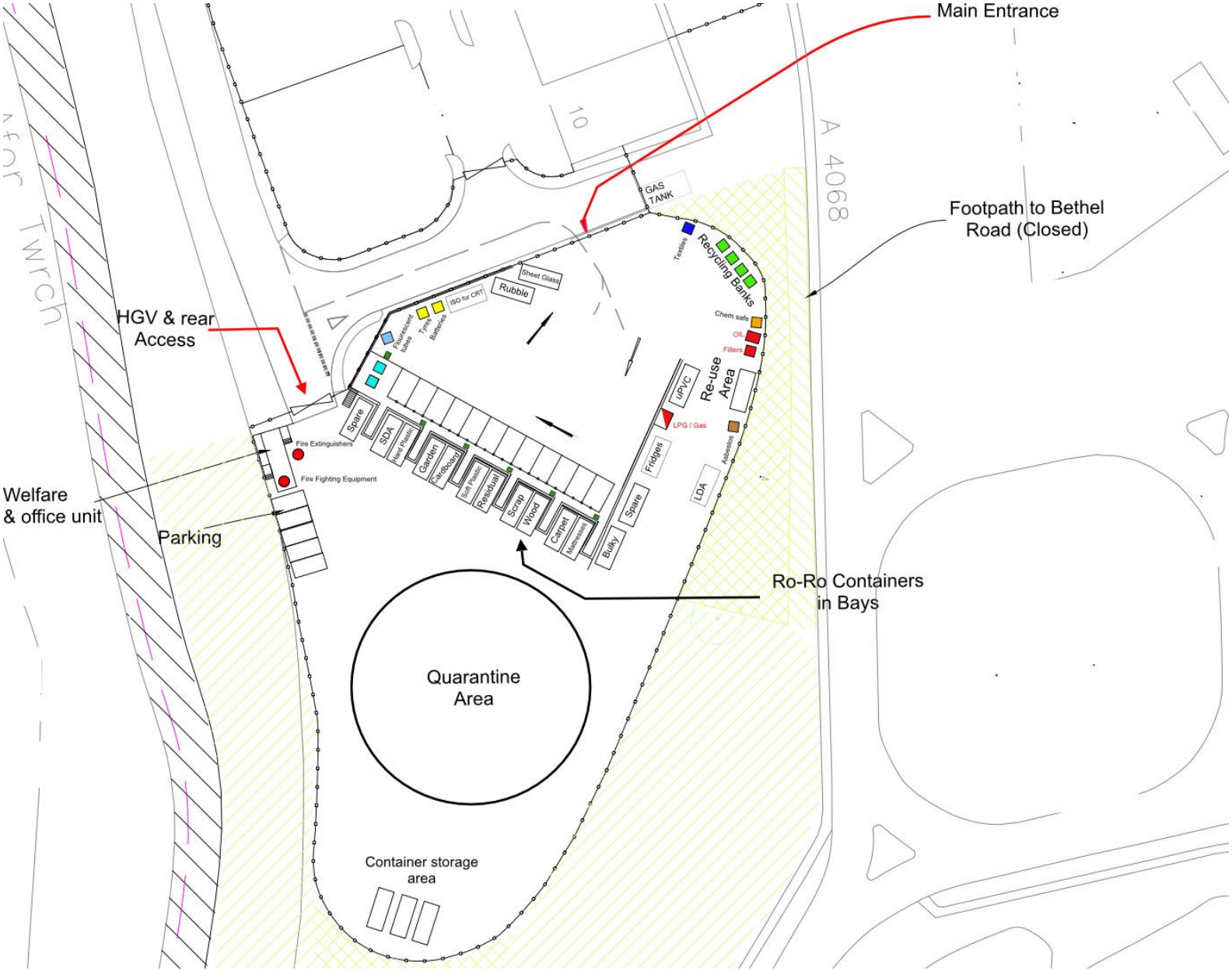
Cyngor Sir POWYS County Council
Cyngor Sir CEREDIGION County Council
C.W.I.C
Central Wales Infrastructure Collaboration
Engineering Design Services

Project
Household Waste Recycling Centre
Cwmtwrch, Ystradgynlais

Drawing Title
Outline Drainage Plan

Drawn by: PH | Checked by: SK | Scale at A1: 1:250
Date: July 2013
Project Number | Drawing Number | Revision: B

Site Detail Plan



Appendix

Approximate monthly and weekly amounts received.

Description	monthly	weekly
Green garden waste	36.47t	9.12t
General waste	48.1t	12.03t
Cardboard	15.42t	3.86t
Scrap metal	16.93t	4.23t
Timber	71.74t	17.94t
Hard plastic	13.44t	3.36t
TV/IT	2.51t	628kg
Small domestic appliances	9.33t	2.33t
Fridges & freezers	3.67t	918kg
Carpets	10.92t	2.73t
Mattresses	3.88t	970kg
Textiles	4.63t	1.16t
Mixed plastics	2.62t	655kg
Rubble	48.45t	12.11t
Gas bottles	312kg	78kg
Large domestic appliances	3.11t	778kg
Mixed glass bottles	2.71t	678kg
Furniture	204kg	51kg
Fluorescent tubes	81kg	20kg
Sheet glass	4.41t	1.10t
cooking oil	46kg	11.5kg
automotive batteries	453kg	113kg
mixed metals	102kg	26kg
household batteries	101kg	25kg
waste engine oil	1.1t	275kg
tyres	1.25t	313kg
pvc windows	367kg	92kg