

CREIGIAU TYRES

LLANTWIT FARDRE

WORKING PLAN

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WORKING PLAN 1.1 SPECIFIED WASTE MANAGEMENT OPERATIONS

FACILITY TYPE

Creigiau Tyres propose to operate a tyre logistics and baleing operation at the site stated.

USE

The site will be used to store and process tyres that have arisen either as a result of the tyre reaching the end of its working life or a fault occurring in its working life or in the process of manufacture. The tyres will be received onto the site whole.

RISK ASSESSMENT

The risk posed to the environment fall in to two categories –

- A) The tyres
- B) The materials used to support the processing operation

The tyres utilised at the site are whole normal production vehicle tyres. EWC 16 01 03.

Ref – Table 1 Risk Assessments Appendix

DESCRIPTION

Tyre feed stock will enter the site by means of curtain side and box containers.

MATERIAL FLOW [Plan 2 Appendix]

Tyres will be delivered to site in containers. The tyres will be sorted and graded, tyres selected for site processing will be segregated and placed in area A. Tyres not selected for onsite processing will remain in the containers for onward despatch to remote sites to be utilised in approved operations and contracts.

Tyres for site processing will be deposited into the baleing machine.

LOCATION OF SPECIFIED WASTE MANAGEMENT OPERATIONS ON SITE

The site is defined on [Plan 1 Appendix]. Grid reference ST0885.

The whole of the site will be used for both 'keeping' and 'treating' tyres, but each in a defined area. These are marked on [Plan 2 Appendix].

WASTE TYPES TREATED ON SITE

The 'Schedule of Permitted Wastes'

The wastes that will be treated on site will consist of the following;

1. Whole

The wastes in the above schedule will not contain any hazardous quantity, or hazardous concentration of a poisonous, noxious or polluting substance, such that any quantity or concentration may subject persons or animals to material risk of death, injury or impairment to health, or as to thereafter the pollution of any surface or ground water.

MAXIMUM CAPACITY OF OPERATION

The maximum annual amount of waste which may be received at the site shall not be greater than 6250 tonnes. The quantity of wastes kept on site at any one time shall not exceed the storage capacity of the site, as detailed in the conditions of the waste management licence and planning permission.

WORKING PLAN 1.2 HOURS OF OPERATION

The site will be open for the reception and processing of wastes at the following times:

Monday to Friday	-	from 07.00 hrs to 19.00 hrs.
Saturday	-	from 07.00 hrs to 13.00 hrs.

WORKING PLAN 1.3 SITE STAFFING AND PERSONNEL

During the hours that the site is open for the reception and processing of wastes, at least one member of staff who is suitably trained and fully conversant with the requirements and conditions of the site licence and working plan will be in attendance.

In addition for a minimum of 23% of the total weekly operational hours permitted a technically competent person shall be in attendance at the site. A record of attendance will be recorded in the site log. [Site Log – Appendix].

WORKING PLAN 2.1 ENGINEERED SITE BOUNDARY AND DRAINAGE SYSTEM

SITE DRAINAGE SYSTEMS

The site is made up hard standing, concrete surfaces and buildings [Ref Plan 3 Appendix]. The buildings and concrete surfaces are connected by drains to the adjacent foul sewer system.

WORKING PLAN 2.2 CONTAINMENT FOR STORAGE OF LIQUIDS IN FIXED TANKS

RISK ASSESSMENT

Secondary containment is provided for the storage of potentially polluting substances fixed in tanks. [Table of Risk Assessments – Appendix].

DESCRIPTION/SPECIFIED STANDARDS

1. Each bunded area has a capacity to contain 110% of the tank it surrounds.
2. The floors and walls are impervious to contents.
3. Inlet, outlet and vent pipes are within the bunded area.
4. All tanks and containers are clearly and unambiguously marked to show its contents.
5. Bunded areas do not have drainage outlets and the integrity of the bunds are maintained at all times.

The site containment facility for storage of liquids in fixed tanks will be inspected monthly to the specified standards, the inspection and results of findings will be recorded on the site maintenance schedule. [Site Maintenance Schedule - Appendix].

WORKING PLAN 2.3 CONTAINMENT FOR STORAGE OF LIQUIDS IN CONTAINERS

RISK ASSESSMENT

An approved British Standard containment system is provided for all vessels, drums, cartridges and containers, carrying potentially polluting substances.

DESCRIPTION/SPECIFIED STANDARDS

1. Each bunded area has a capacity to contain 110% of the tank it surrounds.
2. The floors and walls are impervious to contents.
3. Inlet, outlet and vent pipes are within the bunded area.
4. All tanks and containers are clearly and unambiguously marked to show its contents.
5. Bunded areas do not have drainage outlets and the integrity of the bunds are maintained at all times.

The approved containment system for the storage of liquids in containers will be inspected monthly to the specified standards, the inspection and results of findings will be recorded on the site maintenance schedule.

WORKING PLAN 3.1 SITE SECURITY

1. Physical barriers
2. Security system

SPECIFIED STANDARDS

The site security provisions have been made and will be kept at a sufficient standard to reasonably prevent unauthorised access to the site. Namely, access which is not authorised by the licence holder or otherwise under legal powers of entry.

The perimeter of the site is fenced with 2.4m triple point security fencing. The only access to the site will be via the site entrance as indicated on [Plan 1 Appendix].

The site entrance will be controlled by gates. The gates will be kept locked and closed at all times the site is manned.

Site perimeter fencing and gates will be inspected weekly, the inspection and the results of findings recorded on the site maintenance schedule.

WORKING PLAN 4.1 CONTROL OF MUD AND DEBRIS

All vehicles entering the site will have travelled some distance on main roads and will be clean on arrival. The site will have no areas accessible to road vehicles that are not covered by hard standing. No mud and debris will be generated and no special measures are required.

Observations on the condition of the site access will be made throughout the working day. Any observations on the condition of the site access routes, along with any control measures necessary will be recorded in the site log.

WORKING PLAN 4.2 POTENTIALLY POLLUTING LEAKS AND SPILLAGES

RISK ASSESSMENTS

Operational measure to prevent spillage will be required; these will be on the identified source of risk such as diesel oil, specialised oils and lubricants.

DESCRIPTION

1. Physical handling and control of PPS (potentially polluting substances) will be carried out by trained personnel.
2. Use and maintenance of containers for PPS, which include fixed tanks, mobile tanks, drums and containers, will be conducted by trained staff in specific ways.

Maintenance schedules and procedures for site containment systems are covered under relevant sections of the working plan in accordance with the specifications given in section 2.

FIXED TANKS

Each tank used to hold PPS will be:

1. Loaded and unloaded in accordance with the documented procedure.
2. Clearly and unambiguously labelled regarding its contents.
3. Provided with means for measuring quantity of contents, and the void space in the tank.
4. Inspected and maintained in accordance with documented and recorded maintenance schedules.
5. In the event of damage or deterioration that is, or is likely to cause a leak, the tank will be repaired immediately.

DRUMS, MOBILE TANKS AND OTHER MOBILE CONTAINERS

Each drum or mobile container used to hold PPS will be:

1. Loaded and unloaded in accordance with the documented handling procedure.
2. Charged and discharged in accordance with the documented handling procedure.
3. Clearly and unambiguously labelled regarding its contents.
4. Inspected and maintained in accordance with documented and recorded maintenance schedules.
5. In the event of damage or deterioration that is, or is likely to cause a leak the tank will be repaired immediately.

CONTROL AND REMEDIATION MEASURES

Potentially polluting leaks and spillages occurring on site will be controlled and remediated in accordance with the documented recorded control and remediation procedures.

WORKING PLAN 4.3 FIRES ON SITE

RISK ASSESSMENT

Fire risk on site will fall into a number of possible risk areas:

1. Flammable liquid stored on site, diesel fuel, lube oils.
2. Incoming tyres.
3. Process plant, mobile plant.

Fire prevention measures and systems for treating fire are documented in the Site Fire Procedure. Also in accordance with the relevant requirements under Health & Safety legislation, and the local Fire Authority.

WORKING PLAN 4.4 WASTE ACCEPTANCE AND CONTROL SYSTEMS AND PROCEDURES

WASTE INSPECTIONS

All waste delivered to site will be inspected by a competent person immediately. Results of the inspection, including any non-conforming waste will be recorded.

NON-CONFORMING WASTE

Any non-conforming waste will be recorded in the site log and reported, along with as much information as possible to the Environment Agency.

WORKING PLAN 4.4 WASTE QUANTITY MEASUREMENT SYSTEM

All waste consignments received on site will be recorded under the Duty of Care Regulations. The system will record and make available for inspection information (per consignment and collectively) on:

1. The waste carrier
2. A description of the wastes
3. The volume of the waste in tonnes.
4. The date of deposit on site
5. Source of waste

In addition any waste consignments despatched from the site will be subject to the same controls.

WORKING PLAN 4.41 REPORTING AND AVAILABILITY OF RECORDS

Environment Agency Quarterly returns will be completed in accordance with the Waste Management Licence.

WORKING PLAN 5.1 CONTROL, MONITORING AND REPORTING OF ENVIRONMENTAL IMPACTS

The site will be operated to the highest operational standards in accordance with compliance and the site Waste Management Licence.

WORKING PLAN 5.2 CONTROL OF VERMIN

RISK ASSESSMENT

Due to the nature of site operation, and the waste types on site the risk of infestation by insects and vermin is considered low.

CONTROL OF VERMIN

To control infestation by insects and vermin, the entire site shall be inspected on a regular basis.

Records of inspections, including dates, findings and control measures applied shall be recorded in the site log.

WORKING PLAN 5.3 CONTROL OF LITTER

RISK ASSESSMENT

The risk of the generation of litter associated with this operation is low. Good housekeeping will be employed.

CONTROL OF LITTER

In the line with good operating practice the site will be maintained in a tidy condition. The site environment and access will be kept free of debris and litter and shall be removed in any case, not less frequently than weekly.

Records of inspections along with findings and control measures will be recorded in the site log.

WORKING PLAN 5.4 CONTROL OF ODOUR, FUMES AND AIRBORNE PARTICULATES

RISK ASSESSMENT

All necessary action will be taken to prevent the dissemination of odour, fumes, dust or windblown material.

CONTROL OF ODOUR, FUMES AND AIRBORNE PARTICULATES

Site staff throughout the working day will monitor the environmental impact of the site and waste management operations. Observations, along with impacts and control measures applied will be recorded in the site log.

APPENDIX

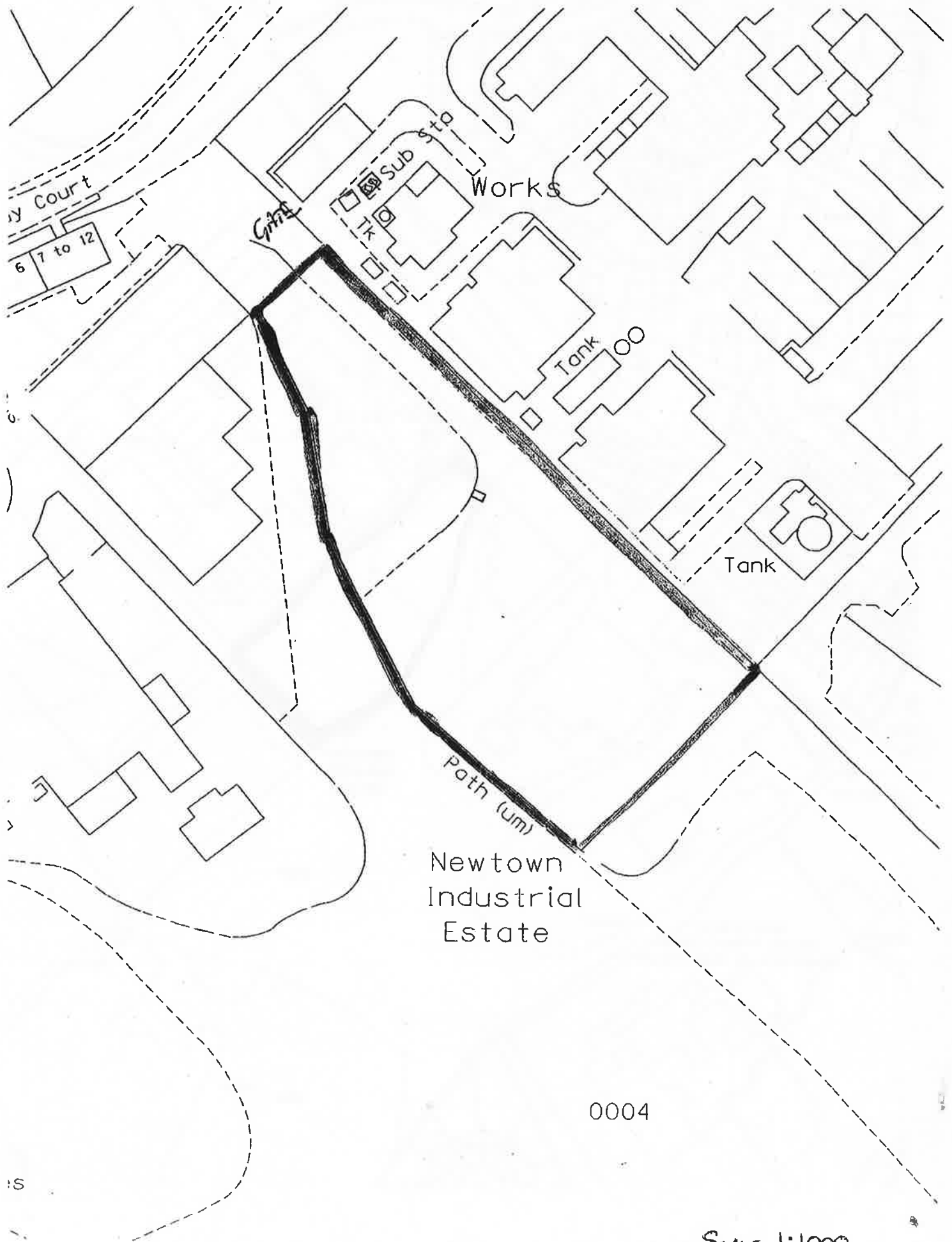
1. DAILY SITE LOG
2. PLAN 1 : SITE BOUNDARY
3. PLAN 2 : OPERATIONAL USE OF SITE
4. PLAN 3 : SITE DRAINAGE
5. PROCEDURE – OPERATION OF DIESEL TANK
6. PROCEDURE – STORAGE & UTILISATION OF POTENTIALLY POLLUTING SUBSTANCES
7. PROCEDURE – FIRES ON SITE
8. SITE MAINTENANCE SCHEDULE
9. TABLE OF RISK ASSESSMENTS

CREIGIAU TYRES – LLANTWIT FARDRE**DAILY SITE LOG**

SITE:		DATE:	
COTC ATTENDANCE:		WEATHER:	
WASTE DELIVERIES:			
PLANT ACTIVITIES:			
WATER MANAGEMENT:			
VISITORS/MEETINGS:			
COMPLAINTS/ENQUIRIES:			
DIFFICULT WASTE:		NON-COMPLIANT WASTE:	
EA INSPECTION – COMMENTS:		EA INSPECTION – ACTIONS:	
INCIDENT REPORTS:		HIRED PLANT:	
GOODS RECEIVED:		CONTRACTORS:	
ADDITIONAL INFORMATION:			

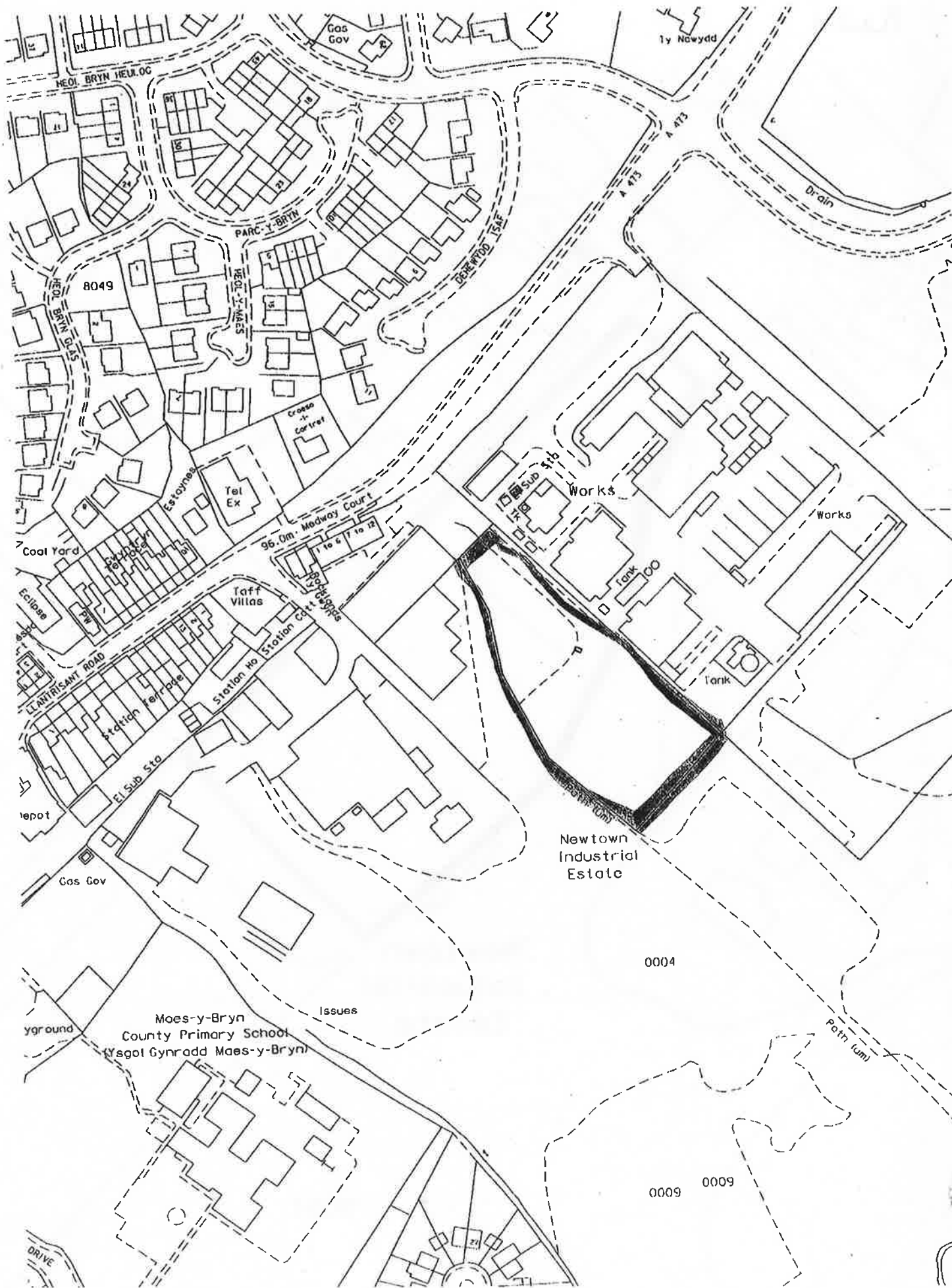
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PLAN 1

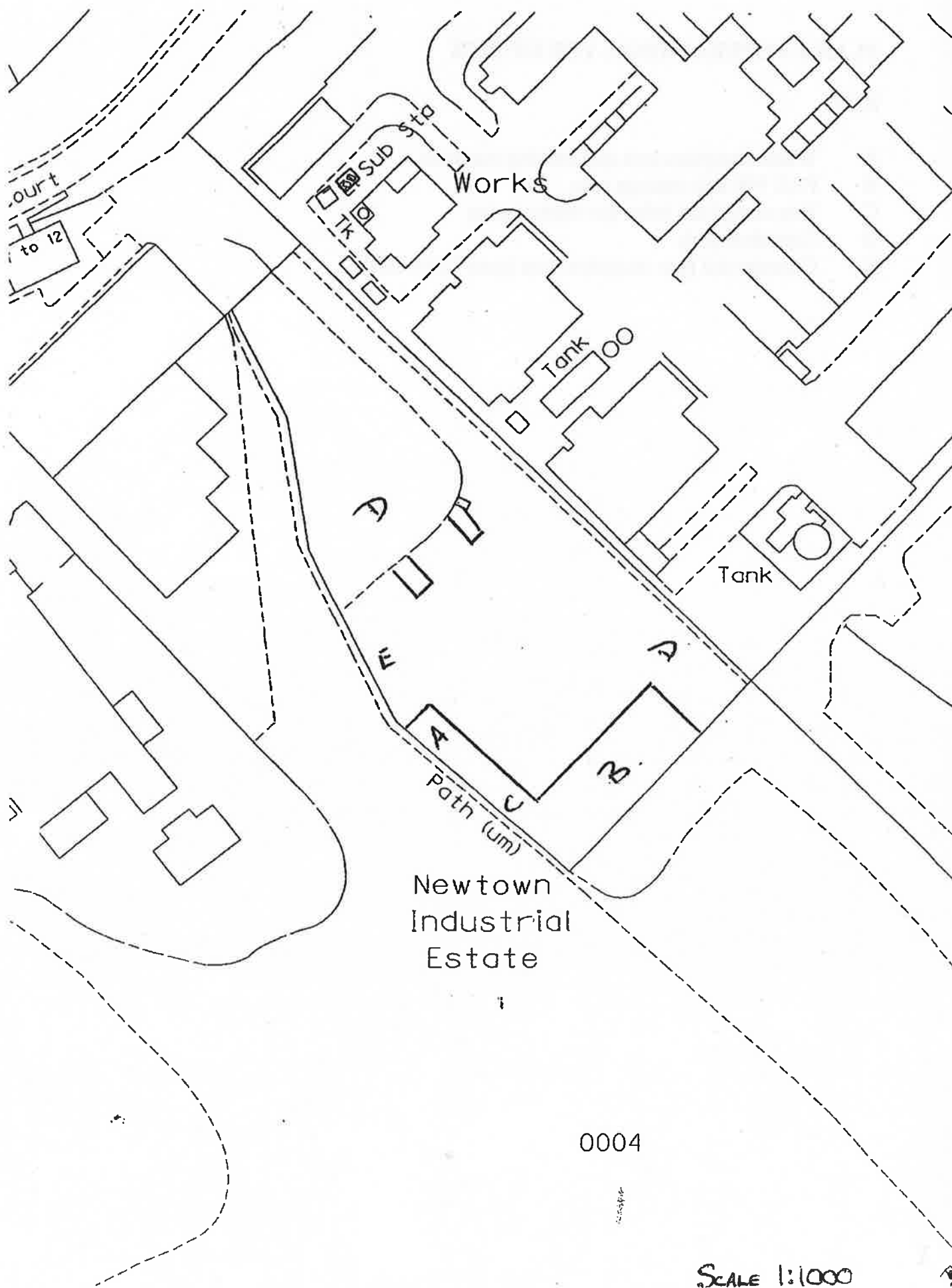


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PLAN 2

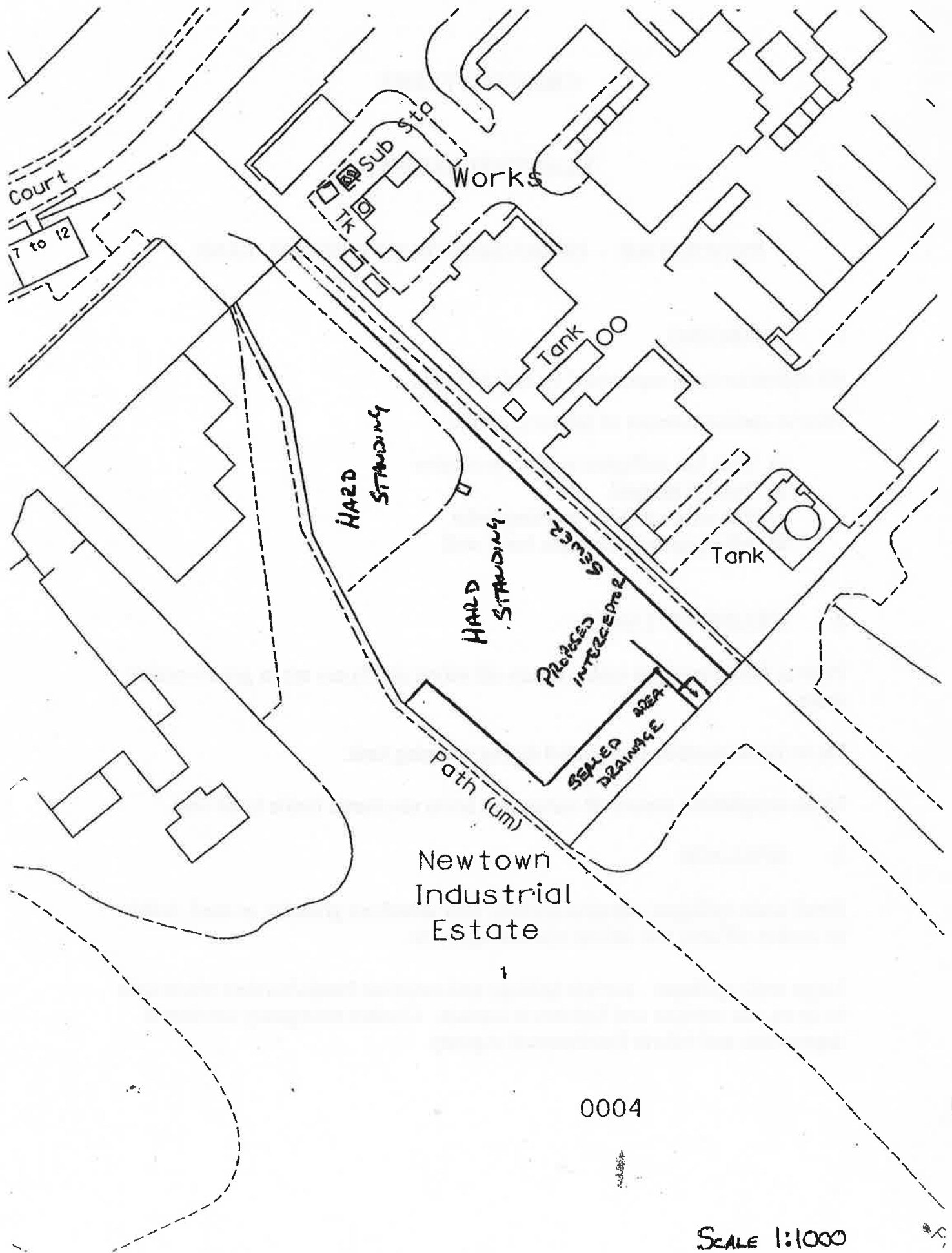


PLAN 2 – OPERATIONAL USE OF SITE

KEY

- A Waste reception area and baleing machine**
- B PAS 108 bale storage area**
- C Non compliant bales for reprocessing**
- D Container park**
- E Commercial tyre reception area (max 10 tonnes)**

PLAN 3



CREIGIAU TYRES

LLANTWIT FARDRE

PROCEDURE - OPERATION OF SITE DIESEL TANK

1. CHARGING

All deliveries to be supervised by trained staff.

Prior to commencement of delivery, ensure:

- a) Tank has sufficient volume to receive
- b) Bund is integral
- c) Valves are in good working order
- d) All equipment is within bund wall

2. FILLING OF TANKS

Prior to filling machine tanks, ensure all valves and hoses are in good working order.

Do not leave machine unattended during charging tank.

Upon completion, ensure all valves and hoses are stored inside bund wall.

3. SPILLAGE

Small scale spillages - contain spillage with absorbent granules or sand, isolate or cordon off area and inform site management.

Large scale spillages - contain spillage and construct bunds/barriers where safe to do so, use cordons and barriers to contain. Contact emergency services if appropriate and inform Environment Agency.

CREIGIAU TYRES

LLANTWIT FARDRE

PROCEDURE - STORAGE & UTILISATION OF POTENTIALLY POLLUTING SUBSTANCES

1. STORAGE

All potentially polluting substances are to be stored in an engineered containment facility.

Care is to be taken in storage to avoid potentially reactive or explosive combinations. If in doubt; contact supervisor.

2. FILLING OF PORTABLE CONTAINMENTS

Charging of portable containers must always take place within the engineered containment facility. Between uses, portable containers must be stored within the engineered containment facility.

3. SPILLAGE

Small scale spillages - contain spillage with absorbent granules or sand, isolate or cordon off area and inform site management.

Large scale spillages - contain spillage and construct bunds/barriers where safe to do so, use cordons and barriers to contain. Contact emergency services if appropriate and inform Environment Agency.

CREIGIAU TYRES

LLANTWIT FARDRE

PROCEDURE - FIRE PROCEDURE

1. SITE BUILDING FIRE

1. Sound alarm.
2. Without undue risk, attempt to control fire using fire hoses and extinguishers.
3. Contact Emergency Services.
4. Administer first aid as appropriate.
5. Following instructions from Emergency Services, inform Site Management and Environment Agency.

2. FIRE AND EXPLOSIONS

1. Evacuate area.
2. Sound alarm, where possible.
3. Assess the situation.
4. Without undue risk, attempt to control fire using fire hoses and extinguishers.
5. Contact Emergency Services.
6. Administer first aid as appropriate.
7. Following instructions from Emergency Services, inform Site Management and Environment Agency.

LLANTWIT FARDRE
TABLE 1 – RISK ASSESSMENTS

HAZARD	IDENTIFIED PATHWAY	IDENTIFIED TARGETS	RISK [HIGH] [MED] [LOW]	CONTROL MEASURES	PROVISIONS	IMPACT ON SITE
FIRE	Atmosphere	Atmosphere	M	1. Fire Control Procedure	5. Fire fighting equipment	
	Ground	Ground Water Surface Water		2. Staff training 3. Correct storage of materials 4. No smoking site	6. On site inspection	
OIL LEAK	Ground	Ground Water Surface Water	M	1. All potentially polluting substances in containment systems 2. Regular maintenance	3. Engineered containment 4. Site inspections	
	Atmosphere	Atmosphere		1. Access via made road 2. Site route ways on concrete 3. Speed control	4. Maintenance of hard surfaces 5. Site speed limit	
DUST	Atmosphere	Atmosphere	L	1. Inert waste	2. Inert waste	
	Atmosphere	Atmosphere		1. Monitoring emissions (OEL'S)	2. Isolated operation 3. Annual noise monitoring survey 4. P.P.E. regime	
ODOUR	Atmosphere	Atmosphere	L			
	Atmosphere	Atmosphere				
NOISE	Atmosphere	Atmosphere	L			
	Atmosphere	Atmosphere				
LITTER	Ground	Surface Water	L	Bins provided on site	Regular inspection on site	
	Atmosphere					
PESTS & VERMIN	Ground		L	Regular inspection of site	Engagement of specialist contractor if required	
	Atmosphere					
PESTS & VERMIN	Ground	Surface Water				

LLANTWIT FARDRE

SITE MAINTENANCE SCHEDULE

TASK	FREQUENCY OF INSPECTION	COMMENTS	ACTIONS	COMPLETED DATE	SIGNED
Site perimeter gates	Weekly				
Whole tyre Reception areas	Weekly				
Sealed drainage area	Weekly				
Shredded tyre areas	Weekly				
Diesel tank/bund	Monthly				
Engineered containment facility	Monthly				
Roof building drainage	Bi-annually				
Site surfaces/hard standing	Bi-annually				
See notice board	Annually				