

**Working Plan
For**

**World Care Environmental Services
PILOT 2A TREMARL IND. EST
LLANDUDNO JUNCTION
CONWAY
LL31 9NF**

DRAFT

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1.0 General Considerations

1.1 Site operation/licence holder

1.1.1

John Jones trading as World Care Environmental services holds the waste management license and operates the waste transfer station at Plot 2A Tremarl industrial estate Llandudno Junction, N. Wales. The site will collect and also accept waste for treatment and recycling from commercial, household and industrial customers.

1.1.2

The treatment operations at this facility are intended for the reception, storage, separation and bulking/compaction up of wastes prior to recovery. The proposed recycling and treatment operations follow the ethos of the waste hierarchy and will include the sorting, separation and treatment of construction, demolition, household and commercial wastes to produce recyclable materials from the on site treatment process such as topsoil, hard-core aggregates and other products. The introduction of a new waste sorting and picking line aims to improve and increase recycling and recovery rates to >60% of the wastes collected by WorldCare Wales.

1.1.3

The company's office is situated at the following address:

Plot 2A, Tremarl Industrial Estate, Llandudno Junction, North Wales, LL31 9NF

1.2 Site history and planning status

1.2.1

The site is located on land at Plot 2A, Tremarl Industrial Estate, Llandudno Junction. National Grid Reference 279850/377550 shown on attached drawings Appendix I.

1.2.2

The site has the benefit of valid planning permission for a Skip Hire/Recycling Station.

1.3 License area/waste management operations

1.3.1

The area that is the subject of the waste management licence application the "Recycling Centre" is outlined in Black and edged in Red on Appendix II. All references to "the site" in this working plan shall mean this area and the infrastructure, plant and equipment associated with the recycling and treatment centre.

1.3.2

The variation to this Waste Management Licence would permit the Storage (Keeping) prior to treatment (all types of handling/processing) of waste. Waste treatment processes carried out on site include:

- The sorting (by hand and assisted by a wheeled loading shovel and two industrial grab handlers),
- The sorting and grading of soils, inerts and recycled aggregates
- The sortation picking line that utilises manual labour, over-band magnets and air blowers to separate wastes for recycling or recovery after bulking/compaction.
- The mechanical shredding of Green and Wood Waste.
- The mechanical sorting of steel and aluminium cans.
- The compaction and baling of paper, cardboard and plastics.

1.3.3

Specified waste management operations will include waste disposal and waste recovery operations listed in Parts III and IV of schedule 4 of the Waste Management Licensing Regulations 1994. They are in summary:

- D15: Storage of waste pending disposal
 R2: Recycling or reclamation of organic substances
 R3: Recycling or reclamation of metals
 R4: Recycling or reclamation of inorganic materials
 R13: Storage of waste pending recovery

1.4 Hours of Operation

1.4.1

The operating hours for the receipt of waste and all other operations will be:

- Monday to Friday: 6:00-19:00 hours
 Saturday: 6:00-19:00 hours
 Sunday: 6:00-19:00 hours

Suitable floodlights are available on site for operations or emergency procedures are carried out after official lighting up times to ensure that operations can be carried out safely.

1.4.2

Any proposal to conduct site operations outside the hours listed in 1.4.1 will be subject to prior notice to Natural Resource Wales.

1.5 Waste types and quantities

1.5.1

The waste types to be accepted at the site will be as listed below.

Operation	Activity	EWC	Limits
	Ash	19 01 12	Excluding ash from incinerators
R13	Brickwork	17 09 04	

	Cables	17 04 11	
	Cardboard	20 01 01	
D15	Ceramics	17 01 07	
	China	10 12 08	
	Clay	01 04 09	
	Compost	19 05 01	
	Concrete	17 01 01	
	Enamels	20 01 28	
	Excavated Material	17 05 04	
	Fabrics	20 01 10	Natural and Synthetic – No harmful fibres
	Green Waste	20 02 01	
	Metals	15 01 04	
	Mixed Construction Wastes	17 09 04	
	Paper	15 01 01	
	Plaster/ Plasterboard	17 08 02	
	Plastics - mixed	07 02 13	
	Plastic	16 01 19	
	Pottery	10 12 08	
	Sand	01 04 09	
	Shavings	03 01 05	
	Slate - floor	10 12 08	
	Slate - roof	17 01 03	
	Stone	17 05 04	
	Soil	20 02 02	
	Wood	19 12 07	

1.5.2

Excluded wastes – the following wastes will not be accepted:

All types of animal waste (including animal processing waste and carcasses), batteries, clinical wastes, contaminated soils (EA definition), liquid of chemical wastes, oils, fats, waxes or greases (>5% in any load), paint waste (other than as above), sludge's or interceptor wastes, transformers containing oils, vegetable/food wastes (whole loads), cellulose/glue wastes, glue wastes (containing oils).

1.5.3

Waste delivered to the site will be contained within skips of sizes ranging from 2 to 50 cubic yards. Private contractors may use a variety of means of transport, such as cars, vans, tractor and trailer or HGV vehicles.

1.5.4

The maximum amount of waste (covered by the waste management licence) to be stored on site at any time will be 5000 tonnes.

1.5.5

If the maximum storage capacity of the site is reached then no further waste will be accepted until waste can be removed from the site and taken to a suitable licensed site.

1.6 Staffing and Management

1.6.1

The site will be open for the receipt of waste or for other essential operations during the hours listed in section 1.4.

The site will only be open for the deposit of waste or for other essential operations. The site will be manned, whenever it is open, by at least 1 employee of Worldcare Skip Hire. Positions in bold italic print below are the minimum staff requirements when the site is open for the reception of waste:

Position	No.	Responsibilities
Site Manager	1	Overall Site Management
"or"		
<i>Machine/plant operator</i>	<i>1</i>	<i>Waste handling and reception</i>

Additional staff employed by Worldcare Skip Hire will also be utilised on site during busy periods to carry out site maintenance works, plant maintenance, administration and record keeping.

1.7 Health and Safety

1.7.1

All operations on site will be carried out in accordance with the relevant requirements of the Health and Safety at Work Act 1974

1.8 Fit and proper persons

1.8.1

Technical competence – Jonathan Lee Jones has registered and achieved WAMITAB COTC level 4 TSNH and will provide technically competent management for the site at a minimum of 20% of the sites operating hours.

2.0 SITE INFRASTRUCTURE

2.1 Access and parking

2.1.1

Access to the site is gained from Ffordd Maelgwyn, Tremarl Ind Est, Llnadudno Junction. The site entrance is shown on Appendix III.

2.2 Notice Board and Signs

2.2.1

A bilingual notice board is situated at the main site entrance, which details the following information:

- The name of the facility
- The site operator's name, address and telephone number
- Natural Resource Wales local address and telephone number
- The hours of operation of the site
- The site license number
- Emergency telephone numbers for Natural Resource Wales and the operator

2.3 Site Security

2.3.1

Gates – the entrance/exit gates are located as shown on Appendix II. The gates are constructed from steel tubing and steel mesh. The gates will be padlocked at all times when the site is unmanned or closed to prevent unauthorised access.

2.3.2

Fencing – the site is enclosed by 2m high chain link fences, with the top 0.4m barbed wire.

2.4 Site office

2.4.1

The office for the site is located as shown on Appendix II and will be used as the site office for the transfer station.

2.4.2

The site records detailed throughout this working plan will be maintained in the site office and will be made available for inspection by Natural Resource Wales on request. The list below details the relevant site documents:

- Waste Management License
- The working plan
- Site diary (to record all visitors to the site)
- NRW inspection reports
- In-house inspection sheets
- Duty of Care Transfer Notes (retain for 2 years)
- Special Waste consignment notes
- Waste delivery tickets
- Weighbridge tickets
- Accident book

2.5 Weighbridge

2.5.1

The site does have the benefit of a weighbridge, its location is shown on the site layout diagram as shown on Appendix III.

2.6 Fuel storage

2.6.1

At present there is no facility for fuel storage on the licensed site area.

2.7 Waste transfer station and storage

2.7.1

All waste sorting operations will take place within the site boundaries edged in Black and highlighted in Red on the site plans shown at Appendix II.

2.7.2

Skip storage area – only empty skips will be allowed to be stored on the area adjacent to the site

2.7.3

Area for the deposit of unauthorised wastes – a clearly labelled enclosed skip will be provided for the deposit of unauthorised waste which cannot be removed from the site immediately. This location may be varied as operating conditions permit.

2.8 Drainage

2.8.1

The surface water drainage system collects water within the boundaries of the site via a system of channels and gullies. All surface water is directed to an interceptor located at the site entrance.

2.9 Vehicles, plant and equipment

2.9.1

Waste will be loaded using a loading shovel or similar wheeled loader, tracked excavator or grab handler equipped with a suitable bucket or grab. The loader will be stored on site.

2.9.2

Additional plant will be hired to cover any busy periods or mechanical breakdowns.

3.0 SITE OPERATIONS

3.1 Preliminary procedures

3.1.1

Guidance will be given by the site management to all employees, sub-contractors, other waste carriers and customers regarding waste types, which are acceptable at the site. The site will be primarily used for the receipt of waste from World Care Wales own skip operations. Where waste is

brought in under sub-contract or is delivered by other haulers then the carrier registration details will be periodically checked with Natural Resource Wales to ensure registration.

3.1.2

When a driver employed by World Care Wales arrives at a customer's site to collect a consignment of waste he will inspect the load for conformity with relevant regulations and safety procedures.

- (i) If the load is satisfactory the driver will sign the relevant paperwork and remove the load from the customer's premises.
- (ii) If the waste does not meet the description stated on the controlled transfer note, the customer will be advised to check the note and give a more detailed description of the waste.
- (iii) If a more detailed description of the waste reveals that the waste is not permitted at the transfer station the customer will be advised to contact Natural Resource Wales to find an alternative site.
- (iv) The driver may also report back to the site manager for instructions.

3.2 Checking in and inspection of loads

3.2.1

All incoming vehicles are required to report to the site manager/deputy in the site office. The details of the load will be recorded and the duty of care note/company documentation will be checked by the operator, to ensure that the load is acceptable. Any deviation from the procedures or problems with any load will be reported to the manager.

3.2.2

If the waste does not meet the description stated on the controlled waste transfer note the customer will be advised to check the note and give a more detailed description of the waste. If the more detailed description of the waste reveals that the waste is not permitted at the transfer site then the customer will be advised to contact the Natural Resource Wales to find an alternative site.

3.2.3

The nature of skip waste makes full inspection difficult until the load is deposited. If unauthorised waste is discovered after deposit two courses of action are available:

- (i) Return the waste to the producer and advise Natural Resource Wales of the deposit;

OR

- (ii) Where the producer of the load cannot be contacted or where the removal off site of the waste may cause further problems then the waste will be deposited in the skip provided for unauthorised wastes.

3.3 Waste deposit, handling, storage and dispatch

3.3.1

Once a load has been accepted for deposit (in accordance with 3.2.1) and is found to comply with the conditions of the waste management licence the following procedure will apply:

- (i) The driver will be directed to deposit in the waste transfer bay.
- (ii) The mixed load will be sorted by hand or with a mechanical grab/bucket and the reusable waste such as plastics, paper, cardboard, hard-core bricks etc. will be screened, mechanically sorted, manually sorted and then will be bulked up on site for reuse, recycling or recovery operation off site. Skips and containers will be positioned in the waste transfer bay or on the operation area in the most practical location for sorting without compromising safety or giving rise to dust etc.
- (iii) Wastes delivered into the site will be pre-screened by means of a Core System Mechanical Trommel and Screener to remove the bulky inert materials and then further screened with an air blower, an over-band magnet and the manual picking of wastes to follow the ethos of the waste hierarchy and wherever possible facilitate reuse, recycling and recovery of wastes. The hard-core will be used on construction sites and the fines taken to landfill or exempt sites for use as a restoration material. The remaining fractions including (bulky items) will be deposited at a suitably licensed or exempt site.
- (iv) The non-inert fraction that cannot be recycled will be deposited in a bulk skip and removed to suitably licensed waste management sites. Non-inert waste landfill will be kept secure in skips pending disposal.

3.3.2

If the maximum storage capacity of the site is reached then no further waste will be tipped until waste can be removed from the site and taken to a suitably licensed or exempt waste management operation.

3.3.3

The surface of the waste transfer bay will be cleared of non-inert waste by the end of each working day and the non-inert waste in skips will be stored for a maximum of seven days. Inert waste and recovered building products will be deposited in the additional storage bays pending purchase by a third party or removal off site by the operator.

3.3.4

When a collection vehicle arrives at the site the driver will be instructed to report to the site office. All relevant documentation will be completed and the vehicle will be passed to pick up the load and take it to the disposal site.

3.3.5 Aggregate Quality Protocol

Inert aggregate waste will be (crushed/processed/treated) by the (The Core System Mechanical Trommel and Screener) to ensure that the WRAP 000083 Quality Protocol for the production of aggregates from inert waste issued is achieved.

The quality process will start by:

- (i) Obtaining information on the source of the waste to assess potential variability. Once this information has been evaluated the waste will either be accepted onto site for processing, or will be rejected by World Care Wales prior to collection or removal from the clients site.
- (ii) If the waste is accepted onsite it will be weighed, categorised and once satisfied that it meets the required standards for acceptance it will then be allocated to the hard-core stock holding area shown on Appendix III. If on inspection the waste is found to be contaminated or inferior it will be rejected.
- (iii) The treatment process will include the screening and segregation of the waste by type into the following categories, Brick, Concrete, Asphalt and Granular Crush. Foreign objects such as Wood, Plastic, Glass, Non Ferrous Metals and Ceramics will be hand picked whilst on the MRF conveyor. Steel will be mechanically removed by the use of magnets. The waste will continue to be rescreened until an acceptable standard is achieved.
- (iv) Large fractions will be crushed, screened and sized to ensure that the requirements of the 000083-quality protocol have been achieved.

An environmental risk assessment for waste storage and treatment operations has been completed and can be found at Appendix VI.

4.0 ENVIRONMENTAL CONTROL, MONITORING AND REPORTING

4.1 Breakdowns and spillages

4.1.1

In the event of breakdown on the loading plant an alternative loading shovel will be brought on site until it is repaired. If an alternative machine cannot be used then no waste will be deposited until the plant is repaired. For major repairs the vehicle will be moved to the workshop until the repair is affected.

4.1.2

Any spillage's of fuel will be cleared immediately by depositing sand or absorbents on the affected area. The sand or absorbents will then be placed in a skip prior to being taken to a suitably licensed site for disposal.

4.2 Site inspections and maintenance

4.2.1

The inspection form will be completed by a person who is familiar with the requirements of a working plan and license for the site. All details of defects, problems and repairs carried out will be recorded on the form on the day that each event occurs. Detailed comments may also be recorded in the site diary. All repairs will be carried out within 10 working days unless agreed otherwise with Natural Resource Wales.

4.2.2

All repairs to site security fencing will be made within 10 working days of the discovery of the damage and the site will be made secure until the repair has been effected.

5.0 AMENITY CONTROL

5.1 Control of mud and debris

5.1.1

Mud on roads – the surfacing of the majority of the operational area of the site is covered with concrete/tarmac and the strict use of the dust control measures listed in Section 5.2.1 significantly reduces the risk of mud deposition on the approach roads.

5.1.2

Road vehicles will not track through areas where sorted/inert waste is stored. The deposit of material on the public highway will be treated as an emergency and will be cleaned with a mechanical vacuum sweeper immediately.

5.2 Control and monitoring of dust

5.2.1

All site operations will be carried out to minimise the creation of dust. A water hose will be used to spray the site roads, storage, loading and any other areas that may be prone to dust.

5.2.2

Sheeting of vehicles – vehicles carrying potentially dusty loads off site will be securely sheeted before leaving the site. Other loads will be sprayed with water before leaving the site to reduce dust emissions.

5.3 Litter Control

5.3.1

The site surface will be inspected daily when the site is in operation and debris will be swept as required and placed in a skip.

5.3.2

Any litter that does escape and is arrested by the site fence will be removed before the end of the working day on which it is discovered.

5.4 Control of pests, birds and other scavengers

5.4.1

Vermin/insect/bird control – it is unlikely that vermin will present a problem because of the waste types handled at the site but a recognised pest control contractor will be brought in if any problems are encountered.

5.4.2

The site will be inspected daily for the presence of vermin and the results of inspection noted on the site diary.

5.5 Control and Monitoring of Noise and Vibration

5.5.1

It is not anticipated that site operations will cause a noise nuisance because of the scale and location of the operation. Noise monitoring will take place at locations around the sites boundary to ensure that when onsite plant and equipment are operating they are not causing a nuisance to neighbouring industrial or household units.

5.6 Odour Control

5.6.1

All incoming waste will be subject to the acceptance procedures as detailed in **section 3.2.1**. If any waste exhibiting offensive odours is deposited on site it will be deposited in the skip for rejected waste or removed from the site immediately to a suitable disposal site.

5.7 Control of fire

5.7.1

Naked flames and smoking are not allowed on site.

5.7.2

No waste shall be burned within the boundaries of the site

5.7.3

There are three fire extinguishers on site; these will be situated inside the entrance of the site office for security reasons.

5.7.4

Any fire at the site will be regarded, as an emergency and immediate action shall be taken to extinguish it with the appropriate fire extinguisher, provided that the person feels competent to tackle the fire.

5.7.5

In the event that the fire cannot be tackled with the equipment provided the Fire Brigade should be called.

5.7.6

All out breaks of fire shall be notified to Natural Resource Wales.

6 SITE RECORDS

6.1

Documented procedures and records for the identification, collection, storage and disposal of waste have been established.

6.1.2

The following details will be recorded using a Waste Received Form Appendix IV for every load deposited at the site:

- (i) The date and time of delivery
- (ii) The name and address of the waste provider
- (iii) The type and quantity of waste (in tonnes or cubic metres)
- (iv) The carriers name of the Worldcare driver's name
- (v) Vehicle registration number
- (vi) Signature of person inspecting waste

6.1.3

The details will be recorded on a collection note and controlled waste transfer notes (where required). Transfer notes are not used for household waste skips. Where the above details are already recorded on the transfer note reference to the transfer note number will be made on the form to avoid duplication.

6.1.4

The following details will be recorded for all deposits of unauthorised waste at the site and will be forwarded to Natural Resource Wales:

- (i) Date and time of deposit
- (ii) A description of the waste
- (iii) The quantity of waste (in tonnes or cubic metres)
- (iv) Name, address and telephone number and vehicle registration
- (v) Reason for the rejection of waste and action taken.

The details will be recorded on a Rejected Waste Form Appendix V.

6.1.5

The following details will be recorded for every load of waste leaving the site:

- (i) The date of removal
- (ii) The type and quantity of waste
- (iii) The destination waste management site or exempt facility
- (iv) The name and registration number of the carrier of Worldcare employee removing the waste (if applicable).

The details will be recorded on a combination of Dispatch Records and controlled waste transfer notes (where required).

6.1.6

A summary of waste types and quantities deposited at and removed from the site will be forwarded to Natural Resource Wales at intervals specified in the waste management licence for the site.

6.1.7

Site diary – the outcome of all inspections of hard-standing areas, push walls, drainage channels etc. will be recorded in the site diary (including action taken or proposed) and site inspection form.

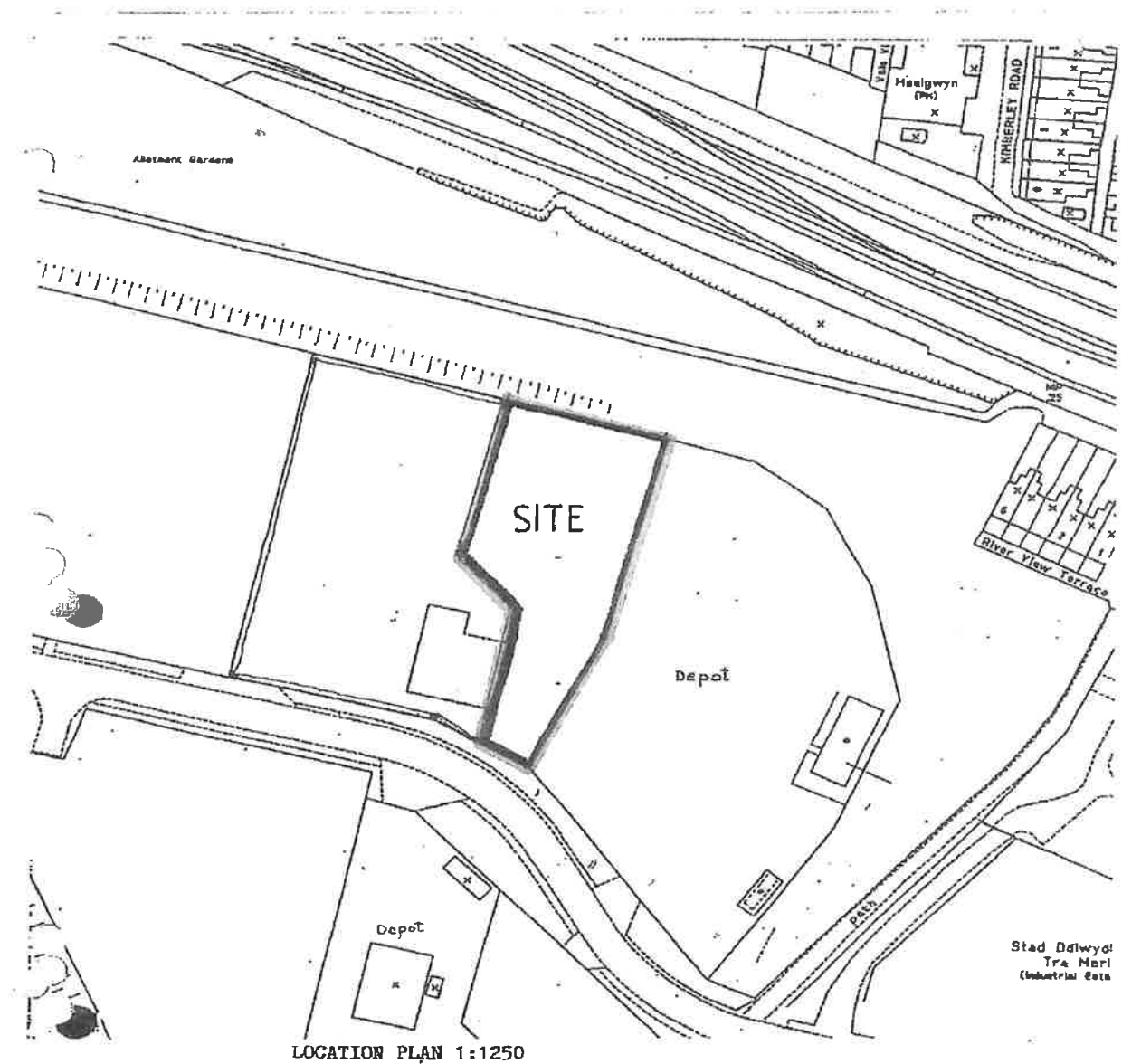
6.1.8

Visitors to the site will sign the visitor's book upon arrival and exit stating the purpose of their visit and whom they represent.

Appendix I Site Location -Arial View

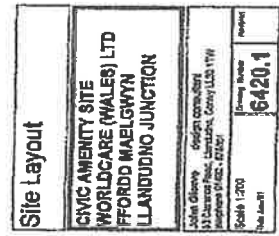


Appendix II Site Boundaries

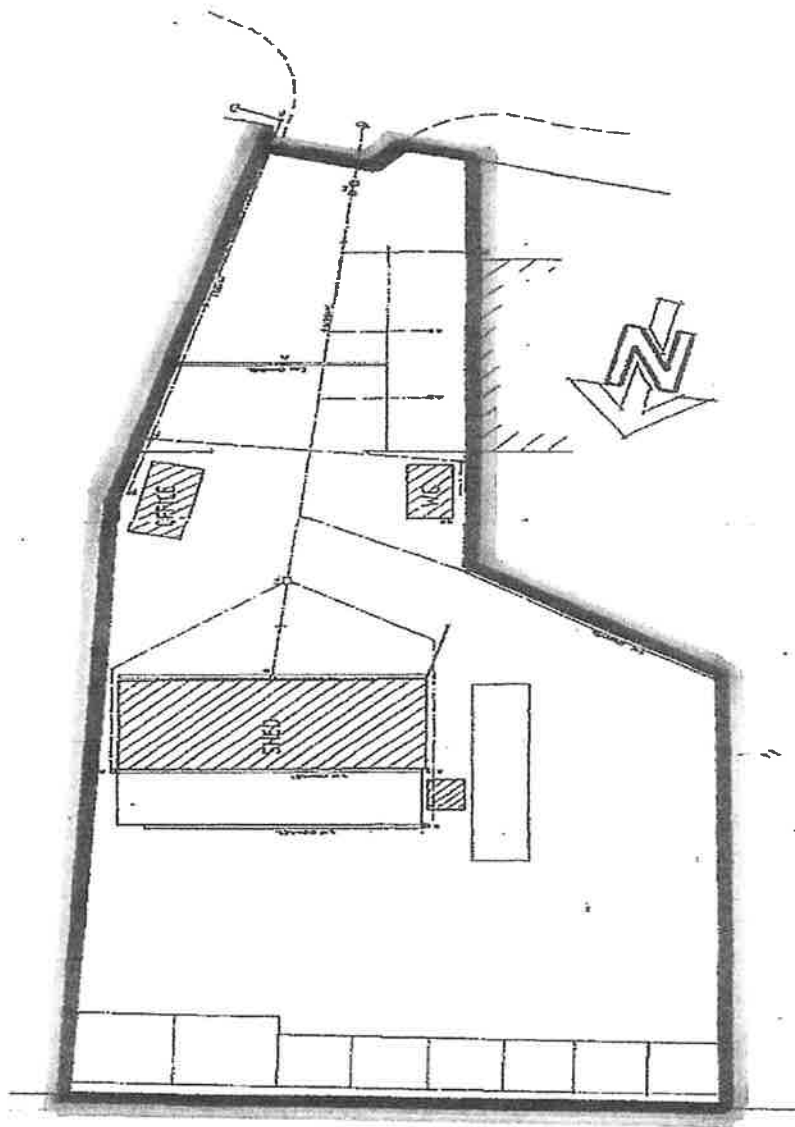


WORLD CARE (WALES) LTD.
PLOT 2 TREMARL INDUSTRIAL ESTATE
LLANDUDNO JUNCTION
GWYNEDD

DRAWING N° 1 (ONE)



850LC 7MM V3



SITE LAYOUT PLAN

WORLDGARE (WALES) LTD.	
FFORDD MAELGWYN	
LLANDUDNO JUNCTION	
Scale 1:200	Sheet 01/01
John Glavin	Design Consultant
35 Caeon Road, Llandudno LL50 1TW	County: Anglesey
Telephone 01482 812591	Project No.
	3480.9

CA 441 37058

Appendix IIII – Site Drawing