

Wentvalley Aggregates & Recycling Limited

Went Edge Quarry

Operational Plan

Document Ref: 203040/OP

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1. INTRODUCTION

Overview

- 1.1 This Operational Plan describes how the operation of the site will occur in accordance with Environment Agency standards and outlines how the activities will meet with risk assessment guidance from the Environment Agency website¹ and relevant sector guidance. The site location plan is presented in drawing 203040/D/001. The site receptors are presented in drawing 203040/D/002.
- 1.2 The import and placement will occur up to a 5 year period and will involve the importation of circa 296,890 cu m of suitable waste material to be used as side wall restoration along the south of the existing Went Edge Quarry. The annual tonnage is assessed as 200,000 tonnes.
- 1.3 This Operational Plan outlines the waste activities/processes and the necessary controls required. This plan should be read in conjunction with the Environmental Site Setting and Design with appended H1 Environmental Risk Assessment (203040/ESSD) and Importation Protocol (203040/IP).

Working Hours

- 1.4 The site will operate in standard operating hours as presented in Table 1.

Table 1. Operating Hours

Days	Hours
Monday to Friday	07:00-19:00
Saturday	07:00-13:00
Sunday and Public Holidays	No vehicle movements or operation

2. MANAGEMENT

Management

- 2.1 The site will be operated in accordance with the Operator's site-specific Environmental Management System (EMS).
- 2.2 The site will have specific management plans including, but not limited to, the following:
- Operational Plan (this document);
 - Accident Management Plan;
 - Waste Recovery Plan;
 - Importation Protocol;
 - Dust Emission Management Plan;
 - Spill Response Plan;
 - Site and Equipment Maintenance Plan; and
 - Complaints procedure.
- 2.3 These plans and other site procedures set out the following:
- Control of operations on the environment;
 - Register of Environmental Effects;
 - Monitoring of emissions;
 - Management of Staff Competence & Training (Roles and Responsibilities);

¹ Environment Agency website, *Control and monitor emissions for your environmental permit* page, (accessed December 2022): <https://www.gov.uk/guidance/control-and-monitor-emissions-for-your-environmental-permit>

- Training of all staff on EMP
- Record Keeping;
- Inspections (Daily Record and includes TCP presence);
- Policies;
- Review process of the EMS; and
- Site Closure arrangements.

Staffing

- 2.4 All staff and operatives have clearly defined roles and responsibilities with specified skills for each post required.
- 2.5 At all times there will be sufficient staff to manage and operate activities on the site without causing a risk to the environment. Staff employed at the site on a typical shift may include:
- Materials Engineer and Technically Competent Person (TCP) or delegate;
 - Plant operative; and
 - Site Manager.
- 2.6 In accordance with Environment Agency guidance⁽¹⁾ the site will be supervised by the TCP, in addition to at least one member of staff who is fully conversant with the requirements of the Permit and Operational Plan regarding, in particular, the following:
- Waste acceptance and control procedures;
 - Operational controls and environmental monitoring;
 - Maintenance;
 - Record-keeping;
 - Accident/incident action plans; and
 - Notifications to the Environment Agency.
- 2.7 The TCP will be on site for greater than 20 % of the operation of the facility.
- 2.8 Technical staff will demonstrate continuing competence by passing periodic assessment. Personal training records will be kept, to provide evidence.
- 2.9 All contractors will be trained about the relevant working controls and legal responsibilities relating to their areas of works.
- 2.10 The Site Manager will only authorise for works to be undertaken once relevant legal requirements and a site-specific risk assessment has been completed.

3. WASTE MANAGEMENT OPERATIONS

Overview

- 3.1 This section of the Operational Plan outlines the waste management processes for the side wall restoration of the quarry. Schedule 1 details the processes operating at the site. Schedule 2.1 and 2.2 presents the permitted waste types for the restoration of the quarry.
- 3.2 Only waste from pre-selected contracts will be permitted at the site. There will be no-adhoc acceptance of material at the gate. No hazardous waste is to be accepted. The permitted waste operations and permitted waste types are detailed in Schedule 1 and 2.
- 3.3 Prior to acceptance the waste will be reviewed to determine its characteristics and assess treatability. The following will be assessed:
- the nature of the process that produced the waste, including variability of the process;

- the composition of the waste; and
- each new enquiry will complete a Waste Acceptance Form (WAF) or equivalent information collection proforma, setting out its EWC Code and characteristics, including potential for odour, state (form), quantity and any non-hazardous categorisation.

Waste acceptance, storage and quarantine

- 3.4 The Importation Protocol (203040/IP) will be implemented at the site to ensure that all material conforms to the required standard. The Importation Protocol contains the performance specification, testing and inspection requirements.
- 3.5 Prior to permitting the delivery of the waste, the waste producer will be required to provide the operator with sufficient information for a basic characterisation of the waste. All wastes transported to the site will be weighed by estimated density to its container size or by weighbridge. Only permitted waste that conforms to the type and description in the documentation supplied by the producer and/or holder will be accepted. The waste must conform to the pre-importation data.
- 3.6 The site will operate a quarantine area. The quarantine area is shown on drawing 203040/D/004. The quarantine area is flexible in size. It can accommodate small isolated non-compliant waste in sealed, lockable containers; or larger stockpiles of material underlain and covered by HDPE geomembrane plastic sheeting to prevent pathways to local receptors.
- 3.7 When plastic sheeting is to be used, the basal sheeting rolls will be overlapped to ensure sufficient seal between rolls. Once the cover plastic has been placed, the quarantined material will be left until final classification has been determined. The area will not be disturbed and will be appropriately sign posted to ensure no risk of disturbance or damage to the plastic liner.
- 3.8 If material is deemed potentially unsuitable the producer will be notified and no further import of the suspect material will be permitted until the matter is fully resolved.

Waste Recovery

- 3.9 Operations will involve the storage and placement of imported waste using a bulldozer and excavators. HGV's will be the method of delivery. The wastes will comply with the Importation Protocol.

4. ENVIRONMENTAL OPERATING CONTROL

Drainage and pollution control

- 4.1 During importation, temporary drainage will be in accordance with the existing quarry drainage. The quarry drainage drains passively to the underlying strata. Visual monitoring will be undertaken in line with the HRA. There is no proposed permanent drainage, and the water will drain to the existing quarry floor as per existing setting.
- 4.2 There will be no site storage of oils or chemicals in the area of infilling. All plant and materials will be stored in the main compound area. The operation of machinery can generate a risk of spillages from hydraulic hose burst. A site spillage plan will be developed as part of the Emergency Action Plan and EMS at the site. The spillage plan will outline how oils and hydrocarbons will be contained and cleaned up.
- 4.3 The materials accepted on site will comply to the thresholds set out in the Importation Protocol for the protection of both Human Health and Controlled Waters and will be monitored via the waste acceptance criteria set out in the Importation Protocol. Monitoring requirements will be in accordance parameters set out in the Importation Protocol.

Noise

- 4.4 The site is expected to have a very low residual risk of noise impact on the nearest receptors. This is based on the relatively short-term duration of the infilling (circa 5 years and typical of a standard construction site) and the low level of plant in operation. There are restricted hours of operation as presented in Table 1. No further specific controls are deemed necessary.

Air emissions

- 4.5 There will be no point source emissions of air pollutants. Any release will be fugitive. Operations at the site will be undertaken in accordance with the Dust Emissions Management Plan (203040/DEMP).

Litter

- 4.6 The waste types received at the site will have no litter. The site will be inspected daily and any litter identified will be bagged and removed from the site.

Odour

- 4.7 The permitted material for filling have a low odour potential. This will be managed through the Importation Protocol. Accordingly, the risk of imported materials being malodorous is considered to be very low.
- 4.8 Any complaints will be recorded in the site diary and the malodorous waste source investigated.

Fire

- 4.9 The permitted wastes have a low combustion potential and no fire or burning of material will occur on site. The site will be secured when not in operation and any fuel sources securely stored and locked.

Pests

- 4.10 The waste recovery activity is considered to have a low risk of attracting pests. The site inspection regime will identify the presence of any pest and implement necessary controls to remove pests from the site.

5. WASTE

- 5.1 The operation is designed to recover imported material for deposition as recovery, to enable appropriate side-wall slope restoration of the existing quarry. No significant waste is anticipated to be generated by the activity.

6. INFORMATION MANAGEMENT

Records

- 6.1 In line with documented procedures and in certain instances statutory requirements, records will be maintained in relation to the following:
- Waste information documentation on all potential wastes to be recovered at the site;
 - Characteristics and volumes of waste accepted, and waste dispatched (and all other records required by the Duty of Care);
 - Any emissions monitoring data;
 - Recorded environmental effects including minor and significant pollution incidents;

- Complaints from the public;
- Daily site inspection reports;
- Maintenance schedules and records;
- Daily log of extra-ordinary events at the site including rejected waste loads;
- Non-conformances to the mandatory and voluntary standards; and
- Records of training.

6.2 All records will be held electronically and be available to the relevant authorities on site.

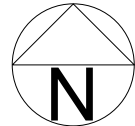
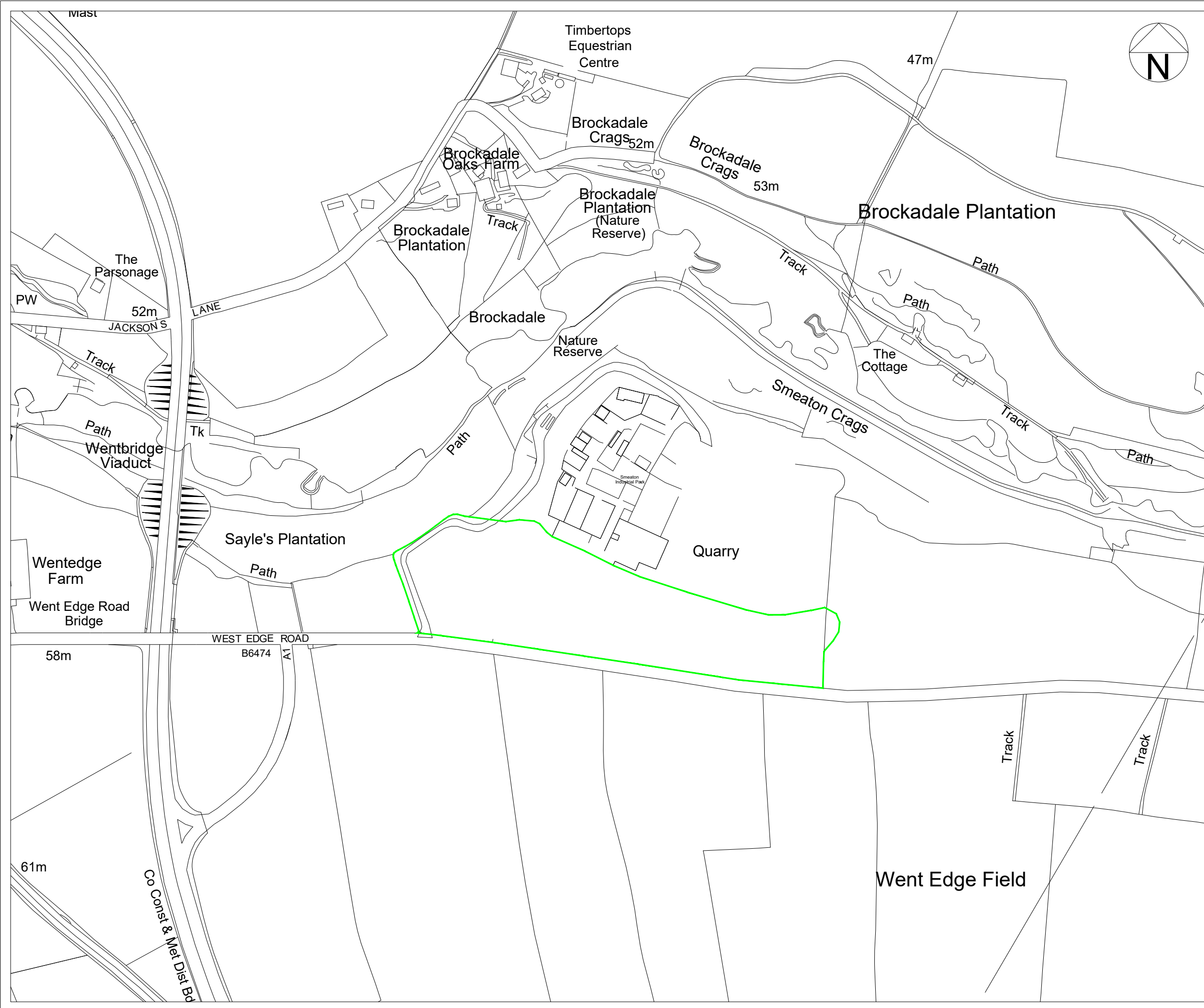
Reporting

6.3 Within one month of the end of each quarter, the Operator will submit to the Environment Agency the tonnages of the waste received and recovered, as well as any waste to disposal as necessary.


6.4 Any other requirements of the permit will be reported accordingly. This will include:

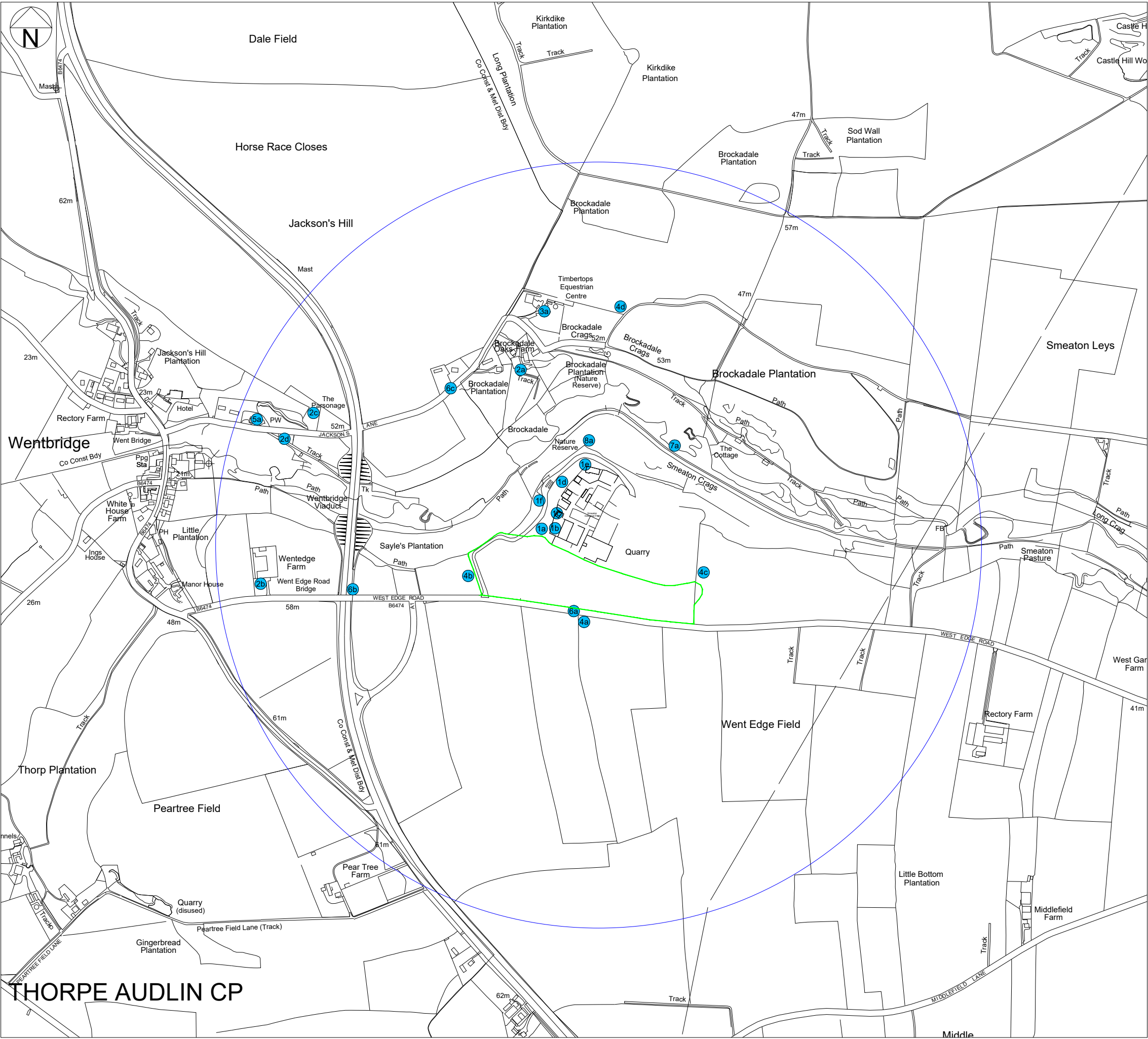
- Notification when plant has broken down resulting in a potential to pollute;
- When a condition of the permit has been breached; and
- When a limit in the permit has been breached and there is considered significant adverse impact.

DRAWINGS



Key:
Permit Boundary

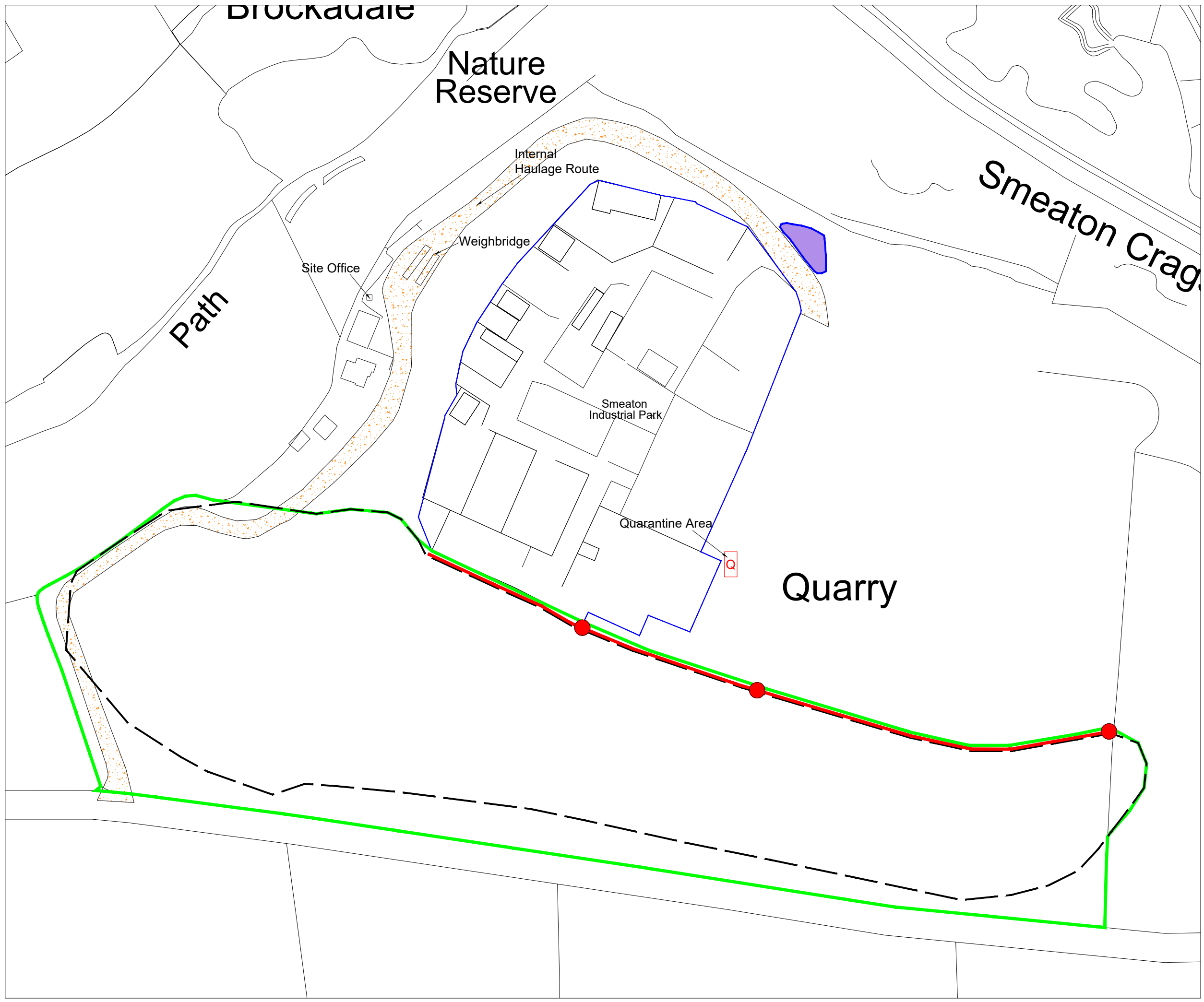
Rev.	Details	Drawn Chkd.	Date
Project 203040 Went Edge Quarry Kirk Smeaton			
Title Site Location Plan			
<div><div>AA Environmental Ltd Units 4-8 Cholswell Court Shippon Abingdon Oxon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk</div></div>			
Scale 1:5000@A3	Date Sep'23	Drawn EF	Chkd. EB
Drg. No. 203040/D/001		Rev.	




Key:

- Permit Boundary
- 1 km Radius
- Commercial
 - a) Wentbridge Stone & Paving Ltd
 - b) Andy Mann Storage
 - c) AM Leisure Caravan Spares
 - d) Image Star Signs
 - e) Raceway Motorsport
 - f) Went Valley Skips
- Residential
 - a) Dwelling off Jacksons Lane
 - b) Wentedge Farm Dwelling
 - c) Dwelling North of Jacksons Lane
 - d) Dwelling South of Jacksons Lane
- Recreational
 - a) Timbertops Equestrian Centre
- Agricultural
 - a) Land South of Site
 - b) Land West of Site
 - c) Land East of Site
 - d) Land North of Site
- Religious Buildings
 - a) St John's Church Wentbridge
- Public Roads
 - a) West Edge Road
 - b) A1
 - c) Jackson's Lane
- Main Rivers
 - a) River Went
- Ecological
 - a) Brockadale SSSI

Rev.	Details		Drawn	Date
			Chkd.	
Project				
203040 Went Edge Quarry Kirk Smeaton				
Title				
Sensitive Receptor Plan				
<div><div>AA Environmental Ltd Units 4-8 Cholswell Court Shippon Abingdon Oxon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk</div></div>				
Scale	Date	Drg. No.		Rev.
1:10,000@A3	Sep'23	203040/D/002		
	Drawn EF	Chkd. EB		



- Key:**
- Permit Boundary
 - Extent of Infilling
 - Extent of Industrial Park
 - Toe Drainage
 - Drainage Inspection/ Monitoring Point
 - Surface Water Lagoon

Rev.	Details		Drawn Chkd.	Date
Project 203040 Went Edge Quarry Kirk Smeaton				
Title Site Layout Plan				
			AA Environmental Ltd Units 4-8 Cholswell Court Shippon Abingdon Oxon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk	
Scale 1:2,000@A3	Drawn KW	Date Sep'23	Chkd. EB	Drg. No. 203040/D/004
				Rev.

SCHEDULES

Schedule 1.0 Process Operations		
Activity	Description	Limits of waste
Recovery of waste by deposit	R5 – reclamation of inorganic waste.	Up to 50,000 cu m of waste may be stored at any time.
	R13 - Storage pending onward recovery.	Permitted waste types set out in Schedule 2.

Schedule 2.1 Permitted Wastes for deposit for recovery	
Waste code	Description
17 01 01	Concrete
17 01 02	Bricks
17 01 03	Tiles and Ceramics
17 01 07	Mixtures of the concrete, bricks, tiles and ceramics
17 02 02	Glass
17 05 04	Soil and stones
20 02 02	
17 05 08	Track ballast
01 01 02	Wastes from mineral non-metalliferous excavation
01 04 08	Waste gravel and crushed rocks
01 04 09	Waste sand and clays
01 04 13	Wastes from stonecutting
10 09 08	Foundry sand
10 11 03	Waste glass-based fibrous materials
10 11 12	Waste glass
10 12 08	Waste ceramics, bricks, tiles and construction products (after thermal processing)
15 01 07	Glass packaging
16 01 20	Glass
19 02 06	Silts and clays from soil washing
19 12 05	Glass
19 12 09	Minerals (sand and stone)
19 12 12	Subsoils, bricks, concrete from mechanical treatment
19 13 02	Subsoils and stones from soil remediation