

Galliford Try Infrastructure Limited

M5 Junction 10 Deposit for Recovery

Operational Plan

Document Ref: 243213/OP

August 2025



AA Environmental Limited

Units 4 to 8 Cholswell Court
Shippon
Abingdon
OX13 6HX
T01235 536042
F01235 532849
info@aae-ltd.co.uk
www.aae-ltd.co.uk

1.0 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 TR010063/APP/2.1.
- 1.2 The entire construction scheme is programmed to last 30 months. The phasing of the development means that the importation of bulk fill will occur during early stages of the development. The import and placement will involve the importation of an estimated 602,802 m³ of bulk fill material, as set out in the Waste Recovery Plan (243213/WRP).
- 1.3 The project will also operate a hardcore and soil treatment through dry crushing and screening to produce a WRAP QP compliant aggregate / engineering soil for re-use within the project. The crushing and screening area is marked in the Site Layout Plan (drawing 243213/D/002) however this area is mobile and will sit within the green line boundary. The throughput is anticipated to be 75,000 tonnes per annum and consist of construction and demolition arisings only.
- 1.4 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 (243213/ESSD), Waste Recovery Plan (243213/WRP) and Importation Protocol (243213/IP).

Working Hours

- 1.5 The site will operate in line with the operating hours presented in Table 1.

Table 1. Operating Hours	
Days	Hours
Monday to Saturday	07:00-19:00 08:00 – 17:00 (crushing and screening treatment)
Sunday and Public Holidays	No construction works

- 1.6 Construction works outside of these hours shall be minimised as far as possible. Where possible, advance notice of construction works outside of these hours will be given through the Community Engagement process.

2.0 MANAGEMENT

Management

- 2.1 The site will be operated in accordance with the Operator's Environmental Management System (EMS) – ISO 14001:2015.
- 2.2 The site will have specific management plans including, but not limited to, the following:
- Operational Plan (this document);
 - Waste Recovery Plan;
 - Importation Protocol;
 - Dust Emissions Management Plan; and

¹ Environment Agency, *Control and monitor emissions for your environmental permit*, (accessed June 2025): <https://www.gov.uk/guidance/control-and-monitor-emissions-for-your-environmental-permit>

- Construction Environmental Management Plan (CEMP), including Accident Management Plan and Spill Response 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);
- 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, 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.

3.0 WASTE MANAGEMENT OPERATIONS

Overview

- 3.1 This section of the Operational Plan outlines the waste management processes for the M5 J10 improvement scheme. Schedule 1 details the processes operating at the site. Schedule 2 presents the permitted waste types for the importation of bulk fill material and crushing/screening treatment area.
- 3.2 The Importation Protocol (243213/IP) will be implemented at the site to ensure that all material conforms to the required standard for the main deposit for recovery activity. The Importation Protocol contains the performance specification, testing and inspection requirements for the bulk fill import. Note the Importation Protocol covers the bulk fill import as part of the Deposit for Recovery scheme, not the crushing and screening treatment. This Plan will outline the procedure for treatment of wastes under the recycling area.
- 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 information form (WIF) or equivalent information collection proforma, setting out its EWC code and characteristics, including potential for odour, state (form), quantity and any non-hazardous categorisation.
- 3.4 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.

Pre-acceptance controls for the Crushing / Screening Activity

- 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 in line with WM3 Guidance².
- 3.6 Prior to acceptance, the waste will be reviewed to determine its characteristics and assess suitability. The following will be assessed:
- Details of the waste producer including their organisation name, address and contact details;
 - The description and composition of the waste; and
 - The waste classification code (also referred to as a List of Waste (LoW) or European Waste Classification (EWC) code.
 - The source of the waste (the producer's business and the specific process that has created the waste;
 - The nature of the process that produced the waste, including variability of the process;
 - Information about the history of the producer site if it may be relevant to the classification of the waste;
 - The waste's physical form; and
 - A description of the waste's odour and whether it is likely to be odorous;
 - An estimate of the quantity you expect to receive in each load and in a year.
- 3.7 Each new enquiry will complete a waste information form (WIF) or equivalent information collection proforma, setting out its EWC code and characteristics, including potential for odour, state (form), quantity and any non-hazardous categorisation.

² Environment Agency: Guidance on the classification and assessment of waste (1st Edition v1.2.GB) Technical Guidance WM3 dated October 2021

Waste acceptance

- 3.8 The Importation Protocol (243213/IP) will be implemented at the site to ensure that all material imported as part of the Deposit for Recovery scheme conforms to the required standard. The waste acceptance procedures, including permitted wastes and testing, can be found in the Importation Protocol.
- 3.9 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 on the WAF sheet.
- 3.10 Loaded vehicles will typically be turned away when the area is not operational. In the event that a vehicle cannot be turned away, it will be placed adjacent to the quarantined section. The site will be locked during out of hours.

Quarantine

- 3.11 Pre-acceptance procedures are implemented to avoid unacceptable waste being received at the site. Despite these controls, waste streams can contain unexpected waste that is not suitable for deposition.
- 3.12 Upon identification these wastes will typically be rejected and returned with the carrier to the producer. The rejection will be notified to the producer and no further import of the suspect material will be permitted until the matter is fully resolved. Details on the rejected material will be recorded in the Site Diary.
- 3.13 The site will operate a quarantine area. The quarantine area is shown in drawing 243213/D/002. 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.
- 3.14 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.
- 3.15 If material is deemed potentially unsuitable, the producer of the waste will be notified of the potential incident and, if deemed necessary, the importation of the waste stream will be stopped until acceptability can be confirmed. In the event that the waste is unacceptable, the producer will be notified to remove the material from site. The details of this incident will be recorded in the site's Site Diary.

Housekeeping

- 3.16 As determined necessary through the inspection regime, excessive accumulation of soil, mud and dust on areas of hardstanding and haulage roads will be scraped by machine or manually cleared.
- 3.17 The site will be inspected daily for evidence of litter, with litter picking undertaken as necessary.

Waste Recovery

- 3.18 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.

Waste Treatment Facility

- 3.19 Operations will involve the dry crushing and screening of construction and demolition arisings to produce a WRAP QP compliant aggregate for re-use. This involves loading the hopper with feedstock material by excavator which feeds the crusher/screener. The crusher/screener is set to a pre-determined crush/sieve size to produce a material type (e.g. 6F2, Type 1) for re-use back within the wider construction project. Refer to Figure 1 for a Flow Diagram detailing the crushing and screening process. The waste types are shown in Schedule 2.

4.0 ENVIRONMENTAL OPERATING CONTROL

Drainage, surface water management and pollution control

- 4.1 Temporary surface water management will be undertaken in line with best construction practices during the development. During importation, temporary drainage will be constructed, where necessary, including but not limited to, swales, silt fencing, and use of small lagoons to manage surface water runoff and mitigate suspended solid loading.
- 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 one of the site's compound areas. The operation of machinery can generate a risk of spillages from hydraulic hose burst. A spill response plan will form part of the Construction Environmental Management Plan (CEMP). It 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 to the parameters set out in the Importation Protocol.

Management of 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 (typical of a standard construction site) and the low level of plant in operation. The crushing/screening activity is of Standard Rules risk profile and have restricted working hours. There are restricted hours of operation as presented in Table 1 of Section 1.
- 4.5 Noise levels will be monitored by the Manager or appointed deputy to ensure that operations are not resulting in significant level of noise beyond the site boundary and effective noise reduction measures shall be introduced and noted in the Site diary. Plant machinery will be operated in a proper manner with respect to minimising noise emissions which typically include:
- Controlled use of reversing beepers;
 - Turning off idling plant engines;
 - Minimising drop heights; and
 - No unnecessary revving of engines.

- 4.6 All plant and vehicles will meet current guidance and will be maintained in line with manufacturer's requirements.

4.7

Management of dust and particulate matter

- 4.8 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 and Emissions Management Plan (243213/DEMP).

Management of mud

- 4.9 The dispersal of dirt and mud originating at the site onto public roads and the surrounding land will be controlled. The following operational procedures will be implemented to ensure that dirt and mud do not reach the public highways and surrounding land:
- Where possible, internal site roads will comprise hard surfacing;
 - A high pressure hose and bowser will be available in the event that roads or vehicles require washing;
 - Plant and machinery will be thoroughly cleaned before leaving the site; and
 - Mechanical sweeper to be deployed to remediate any mud and debris that has been deposited on to the public highway or metalled access road.
- 4.10 The Manager or nominated deputy will regularly inspect the entrance area for evidence of mud and debris that has been trafficked.

Management of odour

- 4.11 Due to the inert properties of the waste accepted, the odour generation potential is considered negligible. Odour management will therefore be limited to the assurance that only specific waste is accepted and deposited at the facility in line with the requirements of the Importation Protocol.
- 4.12 Any complaints regarding odours will be recorded in the Site Diary and be further investigated on site.

Management of fire

- 4.13 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.

Management of pests

- 4.14 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.

Management of litter

- 4.15 The waste streams processed at the site are unlikely to generate litter. No specific controls are proposed.
- 4.16 In the event that litter is identified around the site, it is recorded in the Site Diary and action is undertaken to remove the litter to the general waste skips.

Management of birds

- 4.17 Due to the properties of inert, the potential for scavenging and roosting birds is negligible. Bird management will therefore be limited to the assurance that only specific waste is accepted and deposited at the facility, through visual inspection of waste as they are delivered to and discharged at the site.

5.0 WASTE

- 5.1 The operation is designed to enable the importation of engineering fill and treatment of construction and demolition arisings to construct the road embankments and associated infrastructure. No significant waste is anticipated to be generated by the activity.

- 5.2 The operator recognises the Duty of Care requirements of the Permit. The operator will adhere to Section 34 of the Environmental Protection Act 1990 'Waste Management: The Duty of Care – A Code of Practice'.
- 5.3 Details of the waste arriving at the site will be recorded at the office. Relevant Duty of Care information will be recorded into the database. Quarterly waste returns will be completed and submitted to the Environment Agency in accordance with the Permit requirements.

6.0 INFORMATION MANAGEMENT

Records

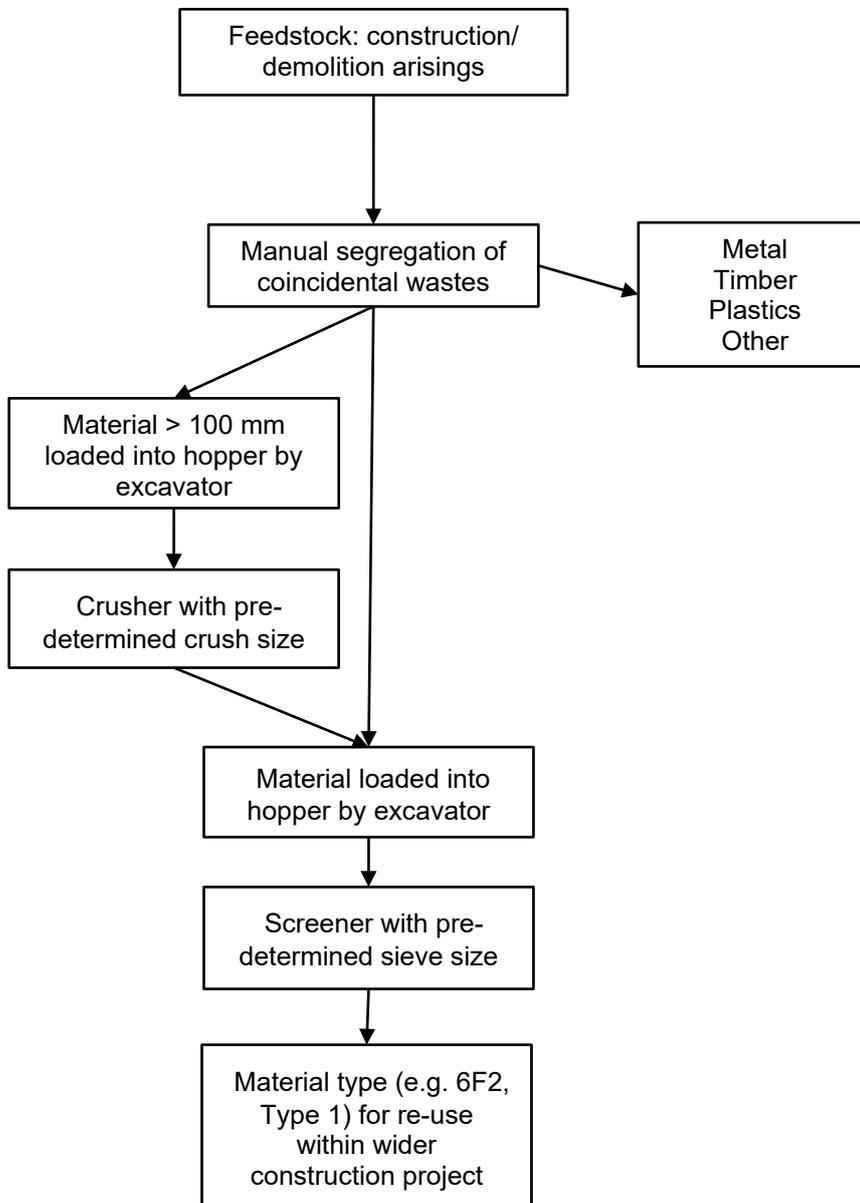
- 6.1 In line with documented procedures and in certain instances statutory requirements, records will be maintained in relation to the following:
- Waste information documentation on all imported wastes at the site;
 - Characteristics and volumes of waste accepted, and waste dispatched (and all other 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

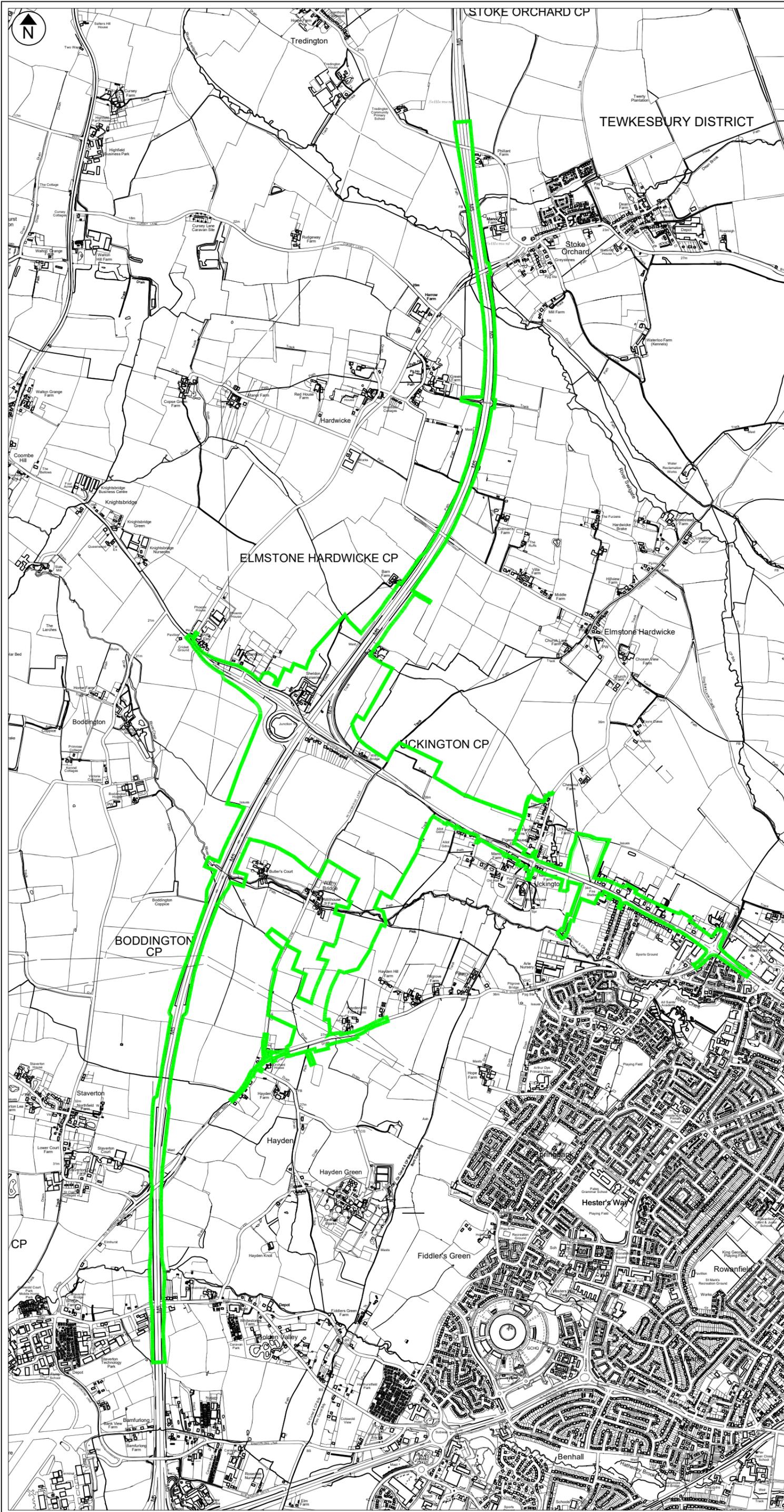
- 6.3 Within one month of the end of each quarter, the Operator will submit to the Environment Agency the tonnages of the waste received and recovered, as well as any waste to disposal as necessary.
- 6.4 Any other requirements of the permit will be reported accordingly. This will include:
- Notification 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.

FIGURES

Figure 1 – Crushing and Screening Process Flow Diagram



DRAWINGS



Key

— Permit Boundary(EPR/SP3728LA)

Rev.	Details	Drawn Chkd.	Date
------	---------	----------------	------

Project
 243213
 M5 Junction 10 Improvement Scheme
 Withybridge Gardens, Cheltenham
 GL51 9TL

Title
 Permit Bounday Plan

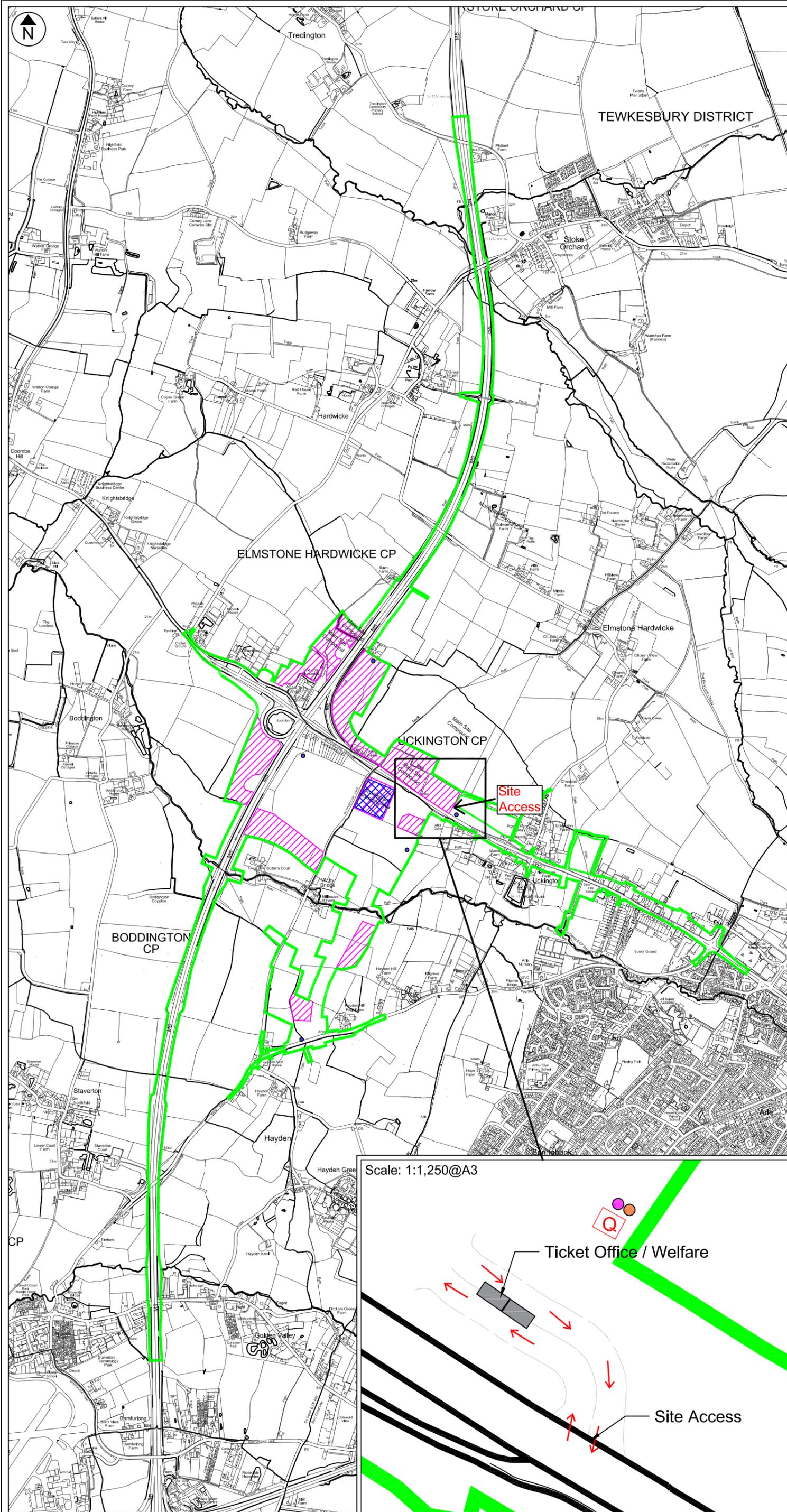


AAe
 Environmental Consultants

AA Environmental Ltd
 Units 4 to 8
 Cholswell Court
 Shippon
 Abingdon
 Oxon. OX13 6HX

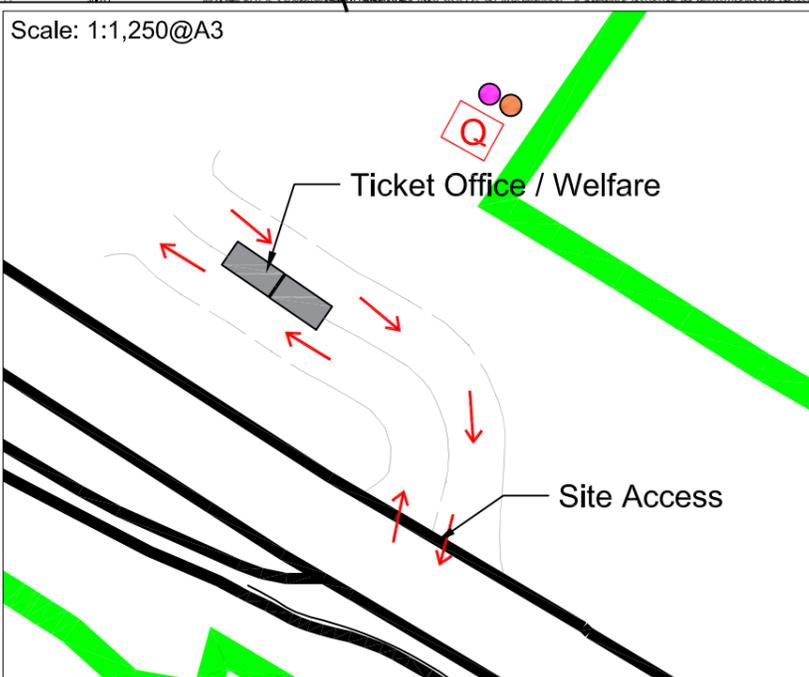
T: (01235) 536042
 F: (01235) 523849
 info@aae-ltd.co.uk
 www.aae-ltd.co.uk

Scale	Date	June '25	Drg. No.	Rev.
1:20,000@A3	Drawn VM	Chkd. SM	243213/D/001	



- Key**
- Permit Boundary
 - Site Compound, Soil and Plant Storage or other Temporary Works Site
 - Crushing and Screening Area
 - Vehicle Flow
 - Q Quarantine Area
 - COSSH
 - Spill Kit
 - Offices
 - Visual Monitoring Locations

Notes
 The site layout is subject to variability due to the proposed works' area size and number of phases. The location of the site access, quarantine area, COSSH, spill kit and offices will vary depending on the phase of development.



Rev.	Details	Drawn Chkd.	Date

Project
 243213
 M5 Junction 10 Improvement Scheme
 Withybridge Gardens, Cheltenham
 GU51 9TL

Title
 Site Layout Plan



AAe
 Environmental Consultants

AA Environmental Ltd
 Units 4 to 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	Date	Drng. No.	Rev.
1:20,000@A3	Aug '25	243213/D/002	

SCHEDULES

Schedule 1. Process Operations		
Activity	Description	Limits of waste
Deposit for recovery operation to construct the road embankments.	R5 – reclamation of inorganic waste.	Up to 50,000 m ³ of waste may be temporarily stored at any time.
	R13 - Storage pending onward recovery.	Permitted waste types set out in Schedule 2.1
Treatment through crushing and screening of waste to produce an aggregate / engineering fill	R5 – reclamation of inorganic waste.	Permitted throughput of 75,000 tonnes per annum.
	R13 - Storage pending onward recovery.	Permitted waste types set out in Schedule 2.2

Schedule 2.1 Permitted Wastes for deposit for recovery	
EWC Code	Description
01 01 02	Waste from non-metalliferous excavation
01 04 08	Waste gravel and crushed rocks other than those containing dangerous substances
01 04 09	Waste sand and clays
17 01 01	Concrete
17 01 02	Bricks
17 01 03	Tiles and ceramics
17 01 07	Mixtures of concrete, bricks, tiles and ceramics
17 05 04	Soil and stones (subsoil and stones)
19 13 02	Solid wastes from soil remediation other than those containing dangerous substances
20 02 02	Soil and stones (subsoil and stones)

Schedule 2.2 Permitted Wastes for treatment of arisings to produce an aggregate	
EWC Code	Description
17 01 01	Concrete
17 01 02	Bricks
17 01 03	Tiles and ceramics
17 01 07	Mixtures of concrete, bricks, tiles and ceramics
17 05 04	Soil and stones (subsoil and stones)
19 13 02	Solid wastes from soil remediation other than those containing dangerous substances
20 02 02	Soil and stones (subsoil and stones)