

AYLESBURY EMBANKMENT APPLICATION FOR A PERMIT

Supporting Information

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NON-TECHNICAL SUMMARY

Introduction

This document provides the supporting information for an application for a bespoke waste recovery permit at Aylesbury Embankment, Land off A418 Oxford Road, Aylesbury, HP21 9NS. Development consent has been granted under the High-Speed Rail (London - West Midlands) Act 2017 for the construction and operation of Phase One of HS2. The Aylesbury Embankment and its associated mitigation, including the landscape bund, is an integral design feature linked to the HS2 rail development.

HS2 is Britain's new high speed rail line which will link London to Birmingham.

Activity Description

The route of the rail line will intercept some historic landfill sites which will require partial or complete excavation and removal of the deposited waste. As the new route requires a number of landscape and visual bunds (landscape bunds) to be formed as part of the mitigation scheme, suitable waste from the excavated landfill sites will be treated (screening and manual picking) under a separate permit to enable its re-use to form the landscape bunds and will be placed using a bespoke deposit for recovery permit. It is proposed that a combination of waste and non-waste material will be used to form the landscape bund, the non-waste providing the majority of fill material.

This application supports the re-use of treated waste from the former Hartwell Brickworks Landfill, which will require partial or complete excavation and removal of the deposited waste. It is proposed that suitable waste excavated from the Hartwell landfill site will be used to form part of the landscape bund at Aylesbury.

Site Operations

In order to progress the development, reprofiling and recontouring of the excavated workings is required. In total, approximately 5,000 m³ of waste will be used to form the landscape bund representing just less than 1% of the total material required to construct the landscape bund. Waste will have been pre-treated off site at the Hartwell Brickworks Landfill site prior to delivery at the Aylesbury Embankment.

The waste types used to form part of the landscape bund at Aylesbury Embankment will be limited to treated non-hazardous waste. The waste material will be placed in layers 100mm – 200mm thick and rolled in position. Non-waste is also being used in the construction of the landscape bund and will be used for approximately 99% of the bunds material with waste material being recovered making up the further 1%.

Hours of operation will be limited to 8am – 6pm Monday to Sunday.

Management Systems

An environmental management system (EMS) will be developed by EKFB JV prior to undertaking operations at the site. The EMS will contain a set of procedures describing what will be done to minimise the risk of pollution from the activities covered by the permit. It will contain but not be limited to the following:

- Waste acceptance procedures (which forms part of this application),
- Accident management plan, and
- Fugitive emissions management including dealing with incidents and non-conformances.

A technically competent person will be appointed to manage the site operations.

Permit Application

The proposed operations, as summarised above are described in further detail within this document. Further supporting information is provided as follows:

- Appendix A – Application Forms
- Appendix B – Environmental Risk Assessment
- Appendix C – ESSD Report
- Appendix D – Waste Acceptance Procedures
- Appendix E – Waste Recovery Plan
- Appendix F – Topographic Survey
- Appendix G – Schedule 17 Decision Notice
- Appendix H – Dust Management Plan

In summary, the proposed activity has been designed and will be carried out to ensure that significant impacts to the environment and human health do not arise as a result of its operation.

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Appendix B Environmental Risk Assessment
Appendix C Environmental Setting and Site Design Report
Appendix D Waste Acceptance Procedure
Appendix E Waste Recovery Plan
Appendix F Topographical Survey
Appendix G Schedule 17 Decision Notice
Appendix H Dust Management Plan

1 INTRODUCTION

- 1.1.1 This document forms the application for an environmental permit for a waste recovery operation to develop a landscape bund for the HS2 rail scheme. In order to develop the scheme a number of landscape and visual bunds (landscape bunds) alongside the HS2 line are required to be constructed, suitable waste from the excavated landfill sites will be treated¹ to enable its re-use to form these landscape bunds.

1.2 Background

- 1.2.1 HS2 is Britain's new high speed rail line which, in Phase One, will link London to Birmingham.
- 1.2.2 The route of the rail line will intercept some historic landfill sites which will require excavation and removal of the deposited waste. As the new route requires a number of landscape bunds to be formed, the suitable waste from the excavated landfill sites is to be treated under a separate permit¹ to enable its re-use to form these landscape bunds and will be placed using a bespoke deposit for recovery permit.
- 1.2.3 The High-Speed Rail (London - West Midlands) Act 2017 provides the powers to construct, operate and maintain Phase One of HS2. It grants 'development consent' for that project and the power to make necessary changes to existing legislation to facilitate construction and operation of HS2.
- 1.2.4 Under schedule paragraph 26(1) of Schedule 17 of the High Speed Rail Act 2017 the Secretary of State can issue statutory guidance ("the Guidance") to planning authorities about the exercise of their functions under Schedule 17 – Conditions of Deemed Planning Permission (the Planning Conditions Schedule). A planning authority is required to have regard to this Guidance when considering a request for approval made under Schedule 17 to the Act (paragraph 26(2) of Schedule 17).
- 1.2.5 Consent under Schedule 17 has been granted for the scheme by Buckinghamshire Council (planning reference: 24/03350/HS2). This proposal will comply with the conditions imposed with respect to the construction of the landscape bund. A copy of the Schedule 17 decision notice is provided as Appendix G to the application.
- 1.2.6 Basic pre-application discussions were held with the EA national permitting team (Pre-Application Reference: EPR/LB3404MV/A001) The advice received is that the proposed activities require a bespoke Waste Recovery Permit to progress.

1.3 The Site

- 1.3.1 The site is located at Land off A418 Oxford Road, Aylesbury, HP21 9NS. The site is centred National Grid Reference SP 80544 12017. A site location plan is provided as Drawing 1.
- 1.3.2 The site lies approximately 500m southwest of the Southcourt area of Aylesbury. It is immediately surrounded by arable farmland bordering to the north and south, separated by hedgerows and treelines.

¹ This treatment will be carried out at the Hartwell Brickworks Landfill site under a separate mobile plant permit, see Section 3.3 for details.

- 1.3.3 The site is generally flat, with a gentle upward slope from the southeast to the northwest (with levels rising from 78.8m AOD to 79.6m AOD).
- 1.3.4 The earliest historical maps date back to 1877, when the site appears to be entirely used as farmland. This remains the case up to the development by HS2.
- 1.3.5 Until the 1980s, a small unidentified structure is shown in the northwest of the field in which the waste recovery activity will be carried out.
- 1.3.6 The Hartwell brick works appears on maps from around 1885 and appears to be extended in the early 1920s. The buildings associated with the brickworks disappear from the maps around 1960.
- 1.3.7 EA Nature and Heritage Conservation Screening Report (Bespoke Waste) EPR/LB3502LZ/A001 (appended to the Environmental Risk Assessment (ERA) that forms part of this application) identified a deciduous woodland protected habitat within the screening distance of 500m of the site. As well as a protected species 'Code 2' which refers to Great Crested Newts (GCNs) as confirmed by the Biodiversity Technical Specialist in the Environment Agency Thames Area team.
- 1.3.8 A receptor plan is presented as Drawing 3 to this application. The plan illustrates that the site lies outside the buffer zones for priority habitats and water wells.
- 1.3.9 The Conceptual Site Model summarises the geology as bedrock of Portland Sands Formation (POSA), described as a slightly sandy silty clay. The POSA is underlain by Kimmeridge Clay (KC). There are no superficial deposits described at the waste deposition location.
- 1.3.10 The geology supports aquifers as follows:

Geology	Aquifer
Portland Sands Formation (POSA)	Secondary A
Kimmeridge Clay Formation (KC)	Unproductive

- 1.3.11 There are no identified Groundwater Source Protection Zones (GSPZ) and no licenced surface water abstraction points within a 250m radius of the site.
- 1.3.12 The groundwater vulnerability map in the Groundsure report (Appendix B to the Environmental Risk Assessment) shows the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties within a single square kilometre. By virtue of lying over a secondary aquifer in the Portland Sands Formation, the groundwater vulnerability in the northwest portion of the site is described as "High". This is explained as "areas able to easily transmit pollution to groundwater. They are likely to be characterised by high leaching soils and the absence of low permeability superficial deposits."
- 1.3.13 Sedrup Ditch flows from the southwest towards the northeast through the Aylesbury Embankment site before connecting to Stoke Brook which is present along the eastern boundary of the embankment site.

1.4 Operator Details

- 1.4.1 The EKFB joint venture is made up of 4 companies. These companies are:
- Eiffage Genie Civil,
 - Kier Infrastructure and Overseas Limited,

-
- Ferrovial Construction (UK) Limited,
 - BAM Nuttall Limited.

1.4.2 The Company Directors as listed on Companies House and their dates of birth are provided in Appendix A – Application Forms, Document 5a.

1.5 Structure of the Application Document

1.5.1 Supporting information in this document is set out as follows:

- Section 2 provides an overview of the management of the proposed activity.
- Section 3 details the activities and operational techniques to take place at the site.
- Section 4 describes the potential emissions from the activity.
- Section 5 identifies the potential environmental impacts and summarises the findings of the Environmental Risk Assessment and the Environmental Setting and Site Design reports.
- Section 6 describes the actions to be taken upon completion of the waste recovery activity to support the surrender of the environmental permit.

1.5.2 Other supporting information is provided in Appendices including the completed EA application forms (Part A, B2, B4 and F1 forms), site plans, Environmental Risk Assessment, Waste Recovery Plan, Environmental Setting and Site Design reports, Waste Acceptance Procedures, Topographical Survey, Schedule 17 Decision Notice and Dust Management Plan.

2 MANAGEMENT OF ACTIVITIES

2.1 Technical Ability

- 2.1.1 A Technically Competent Manager (TCM) has been appointed for the works to be undertaken under the permit, as follows:

Name	Mr. Jonathan Hillyard
Address	
Date of Birth	
Qualifications Held	WAMITAB Level 4 in Waste Management Operations – Managing Landfill Hazardous Waste (4LH)
Certificate Number	14899/4LH/1 (Original qualification) 5246222 (Continuing Competence – Land Spreading, Landfill – Hazardous Waste, Metal Recycling Sites)
Date Issued	01/12/2005 (Original certificate) 19/02/2026 (continuing competence)

- 2.1.2 Copies of Mr Hillyard's certificates are provided in Appendix A as documents 7a, 7b and 7c.

2.2 Environmental Management System

- 2.2.1 An environmental management system (EMS) will be established prior to commencement of operations at the site. The EMS will be developed in house or as a requirement of the appointed groundworks contractor to have a suitable EMS for the operations at the site. A ground works contractor will be appointed to undertake the development works.

- 2.2.2 The following procedures will be included as part of the site EMS:

- Waste acceptance (included in Appendix D),
- Waste storage and treatment,
- Waste rejection and quarantine,
- Staff competency and training,
- Servicing and maintenance,
- Fugitive emissions management,
- Accident management,
- Emergency and incident response including spillage and fire response,
- Record keeping and reporting,
- Complaints management.

- 2.2.3 A system for keeping of all relevant records including but not limited to the following, will be developed and implemented prior to operation:

- Waste movement and placements.
- records of incidents, accidents and emergencies including details of follow-up; and
- any other records required to be kept by the permit.

- 2.2.4 The site-based EMS will be implemented before the site becomes operational.

2.3 Staff Competence and Training

- 2.3.1 The Site Manager will have day to day control and be responsible for compliance with the Waste Recovery Permit. Sufficient competent staff will manage and operate the site. All staff will receive training to ensure the facility is managed and operated by a fully trained workforce. Training will not only address normal operations but will also include those actions required in the event of abnormal operations and emergencies.
- 2.3.2 Training records for all staff will be kept demonstrating competency. These will be available for inspection as required.

2.4 Accident Management

- 2.4.1 As part of the site EMS, an accident management plan will be produced which will include the following:
- Identification of potential accidents,
 - How accidents or breaches of the permit will be recorded, investigated and responded to,
 - The date it was reviewed,
 - When it will next be reviewed,
 - A list of emergency contacts and how to reach them,
 - A list of substances stored at the site, and the storage facilities,
 - Forms to record accidents on.
- 2.4.2 Procedures will be developed to address those operations deemed a risk; this includes emergency scenarios such as spills or leaks and fire response.
- 2.4.3 Additionally, an incident reporting and investigation procedure will be produced as part of the EMS. This will cover incidents on site or reported to site by external parties such as neighbours and ensures all incidents are investigated and appropriate corrective and preventative actions put in place.
- 2.4.4 Further details on the potential risks associated with the proposed activities can be found in the Environmental Risk Assessment in Appendix B.

2.5 Site Security

- 2.5.1 The hours of operation will be limited to 8am – 6pm, seven days a week. Outside of these hours the gated site entrance site will remain locked.
- 2.5.2 Security is provided by fencing around the perimeter of the site. It is not currently proposed to have additional security features such as CCTV or site security patrols, however, once operational, this will be considered if vandalism and/or trespassing becomes an issue.
- 2.5.3 Site security infrastructure will be inspected as part of the daily inspections. Should any defects or issues be identified, these will be rectified as soon as possible.

2.6 Avoidance, Recovery and Disposal of Wastes

- 2.6.1 The operations at the facility are unlikely to give rise to a significant amount of waste. The only anticipated waste from the operations will be general waste from packaging of any products, chemicals or fuels to be used in the site plant and general waste produced by staff.
- 2.6.2 Where possible, waste will be kept to a minimum with packaging materials re-used where possible.

2.7 Reporting Non-compliances and Taking Corrective Actions

- 2.7.1 Staff will be fully trained in the requirements of the permit relating to reporting non-compliances and taking corrective actions. EMS procedures will ensure that appropriate corrective actions are taken should an issue be identified at the site or following notification from a member of the public or other body. The procedures will be produced as part of the EMS and will ensure that non-conformances are reported to senior management and the EA (as required by the permit), investigated and any lessons learnt are used to update procedures / staff training etc. as required to ensure future non-conformances are minimised and prevented.

2.8 Servicing and Maintenance

- 2.8.1 The management system will include servicing and maintenance requirements to ensure that all relevant plant and equipment is subject to a planned programme of servicing and maintenance following manufacturers recommendations so as to minimise any downtime and risk of pollution through faulty equipment.

2.9 Design and Construction Quality Assurance

- 2.9.1 The landscape bund will be constructed in accordance with the approved plans. An Inspection and Test Plan (ITP) will be completed to confirm that the landscape bund is constructed in line with the detailed design and consents in place.
- 2.9.2

2.10 Reporting and Notification

- 2.10.1 Within one month of the end of each quarter, the operator shall submit to the EA using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.
- 2.10.2 A topographical survey of the site referenced to ordnance datum has been carried out. A final topographic survey will be undertaken upon completion of the works to show final levels.
- 2.10.3 The topographical surveys will be used to produce a plan of a scale adequate to show the surveyed features of the site. The plan will be produced within 1 month of the completion of the survey. Upon commencement of the waste recovery operation a topographic survey will be completed to show the final levels of the landscape bund at Twyford Embankment.
- 2.10.4 The operator will notify the EA in writing:
 - a. at least 14 days before the commencement of the recovery operation; and

-
- b. within 14 days of completion of the recovery operation.
- 2.10.5 The EA will be notified without delay in the event of any circumstance that is notifiable under the conditions of the environmental permit.
- 2.10.6 Written confirmation of actual or potential pollution incidents and breaches of emissions will be submitted within the timescales set out in the environmental permit.
- 2.10.7 Any other reports or notifications specified within the permit will be provided in the format required by and within the timescale specified in the permit.

3 SITE OPERATIONS

3.1 Waste Management Activities

3.1.1 The specified waste management activities that will be carried out at the site are shown in

3.1.2 Table 3-1.

Table 3-1 : Activities

Description of Activities	Limits of Activities	Non-hazardous Waste Recovery Capacity
R5: Recycling/reclamation of other inorganic compounds	The use for recovery of a maximum of 5,000 m³ of waste listed in Section 3.3 for the purposes of the construction of a landscape bund. In any event the total quantity of waste used will not exceed the amount needed to complete the recovery operation as described in section 2 of the approved waste recovery plan. Only the waste types specified in Section 3.3 that are specified in the approved waste recovery plan will be accepted. Such wastes shall only be used as specified in the approved waste recovery plan. Restoration, reclamation, and land improvement activities will only be carried out in relation to the specified landscape bund. No waste will be deposited into a water body or subwater table.	5,000 m ³
R10: Land treatment resulting in benefit to agriculture or ecological improvement		
Total Throughput		~9,000 tonnes (based on 1.8 tonne per m ³)

3.2 Waste Recovery

- 3.2.1 A Waste Recovery Plan (WRP) which follows the EA guidance on waste recovery² forms part of this application. The applicant confirms that, once it has been approved, the scheme will be implemented and all commitments set out in the WRP will be met.

3.3 Waste Types and Quantities

- 3.3.1 The waste to be deposited for recovery within the landscape bund at Twyford Embankment will have been excavated from the Hartwell Brickworks Landfill site. Prior to transport and acceptances at the site the waste will be screened/ treated under a separate mobile plant permit at Hartwell Brickworks Landfill. Only suitably treated material will be transferred. The waste types accepted at the site are limited to non-hazardous wastes.
- 3.3.2 The Waste Classification Report (Appendix A to the Waste Acceptance Procedures) has identified that the wastes from Hartwell Brickworks Landfill to be used at the site are non-hazardous and would be classified as European Waste Catalogue (EWC) code 17 05 04. However, prior to arriving at the site the waste will have been subject to mechanical treatment at Hartwell Brickworks Landfill. Therefore, the waste would be classified as a Chapter 19 waste from a waste management facility and would fall under EWC code 19 12 12 - other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned 19 12 11.
- 3.3.3 The waste proposed for acceptance and use in the waste recovery activity are detailed below:

EWC Code	Description
19 12 12	Other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11

- 3.3.4 The waste to be used will be excavated from the Hartwell Brickworks Landfill historic landfill site and screened/treated prior to use in the deposit for recovery activity. This will be undertaken using a separate mobile plant treatment permit. The treatment of the waste will be completed at Hartwell Brickworks Landfill. No further treatment will take place at the Aylesbury Embankment site.
- 3.3.5 Waste will only be accepted at the Aylesbury Embankment site if it meets the waste acceptance criteria as set out in Appendix D - Waste Acceptance Procedures.

3.4 Waste Storage

- 3.4.1 Waste will not be stored at the site prior to incorporation into the landscape bund at Aylesbury Embankment. The waste will be excavated from Hartwell Brickworks Landfill, treated before leaving the Hartwell Brickworks Landfill site, and placed directly into the landscape bund.
- 3.4.2 A dedicated quarantine area will be allocated for any non-conforming waste identified during operations. Any non-confirming waste will be stored in a dedicated skip and removed from site within 1 week.

² <https://www.gov.uk/guidance/waste-recovery-plans-and-permits>

4 EMISSIONS AND MONITORING

4.1 Groundwater

- 4.1.1 There will be no point source emissions to groundwater. The landscape bund will be constructed using treated non-hazardous material as stated in section 3.3 which will not contain any hazardous pollutants.
- 4.1.2 The CSM (appended to the ESSD report) concludes that there is no viable contamination linkage between residual pollutants in the deposited waste and groundwater because:
- The Site is underlain by >10m of the low permeability, cohesive KC stratum.
 - The design of the landscape earthworks, constructed from compacted low permeability high plasticity clays, will further mitigate the risk to groundwater.
 - The treated waste will be placed on compacted emplaced clay and not on in-situ soils, further reducing potential infiltration
- 4.1.3 The CSM also concludes that there is no viable contamination linkage between residual pollutants in the deposited waste and surface water because:
- the design of the landscape earthworks, constructed from compacted low permeability high plasticity clays, will greatly reduce infiltration.
 - the treated waste will be suitable for Zone 3, based on conservative modelling.

4.2 Gas

- 4.2.1 A ground gas management plan is not required as only treated non-hazardous wastes are to be accepted at the site and therefore, is not expected to generate gas.

4.3 Fugitive Emissions

- 4.3.1 Fugitive emissions, including dust and spillages, are assessed as part of the environmental risk assessment in Appendix B.
- 4.3.2 The Environmental Risk Assessment concluded that with the measures identified in the ERA, the risks from the operations range from low to very low and, therefore, are not likely to be significant.
- 4.3.3 Daily site inspections will take place to monitor for any issues such as noise, odour, dust, mud on the roads etc. This will be detailed in the site EMS.

4.4 Topography

- 4.4.1 A topographical survey has been undertaken to show the levels prior to the works. A final topographic survey will be undertaken upon completion of the works. A copy of the Topographical Survey is included in this application as Appendix F.

5 ENVIRONMENTAL IMPACTS

5.1 Environmental Risk Assessments (ERA)

- 5.1.1 An ERA is included as Appendix B. This indicates that the risks from the operations and activities are considered low or very low.

5.2 Environmental Setting and Site Design (ESSD)

- 5.2.1 An Environmental Setting and Site Design (ESSD) report has been prepared using the guidance³ provided by the EA. The ESSD summarises the site's conceptual model in terms of the potential source, pathway and receptor linkages. It provides details on the site's environmental setting and the proposed design of the site.
- 5.2.2 The Geoenvironmental report summarises the geology as bedrock of Portland Sands Formation (POSA), described as a slightly sandy silty clay. There are no superficial deposits described at the waste deposition location.
- 5.2.3 The POSA is underlain by Kimmeridge Clay (KC) which is described as highly cohesive with low permeability.
- 5.2.4 Sedrup Ditch flows through the Aylesbury Embankment site before connecting to Stoke Brook which is present along the eastern boundary of the embankment site. As part of the project, Sedrup ditch will be diverted, lined and partially culverted such that it will run 95 m from the Deposition site at its closest point.
- 5.2.5 C2.L.26 Catchment will run along the northeastern boundary of the deposition site. The catchment will be a concrete channel providing drainage for structures and highways associated with Aylesbury Embankment and Aylesbury North Cutting, including an overbridge and footpaths. The catchment will drain into Sedrup Ditch.
- 5.2.6 The EA flood risk maps⁴ have been consulted. They indicated that the site is not located in a flood zone. The Groundsure report gives the highest risk of flooding on-site and within 50m of the site as negligible .
- 5.2.7 The Groundsure Report indicates no record of historical flood events within 250m of the site.
- 5.2.8 The bedrock aquifer underlying the deposition site is designated as a Secondary A aquifer. However, the Embankment works will involve removing the POSA bedrock leaving the underlying, impermeable stratum of KC beneath the deposition site. The Groundsure report indicates that there are no identified Groundwater Source Protection Zones (GSPZ) within a 500m radius of the site.
- 5.2.9 The Conceptual Site Model reports that limited groundwater was encountered during ground investigations. The groundwater was encountered in the Portland Sand Formation which will be removed during construction of the embankment. Groundwater present within KC (Unproductive Stratum) is likely to be limited to poorly connected pore spaces, with no

³ [Landfill operators: environmental permits - What to include in your environmental setting and site design report - Guidance - GOV.UK \(www.gov.uk\)](https://www.gov.uk/government/publications/landfill-operators-environmental-permits-what-to-include-in-your-environmental-setting-and-site-design-report-guidance)

⁴ [Flood map for planning - GOV.UK \(flood-map-for-planning.service.gov.uk\)](https://www.gov.uk/government/publications/flood-map-for-planning)

significant regional groundwater flow due to the clay dominated and cohesive nature of this strata.

- 5.2.10 The ESSD report is enclosed as Appendix C. The Conceptual Site Model (CSM) is included as Appendix C to the ESSD.

5.3 Hydrogeological Risk Assessment (HRA)

- 5.3.1 Given the underlying geology will, upon construction of the embankment, be the low-permeability KC strata, a Hydrogeological Assessment Report (HAR) was not carried out for the deposition site.

5.4 Stability Risk Assessment (SRA)

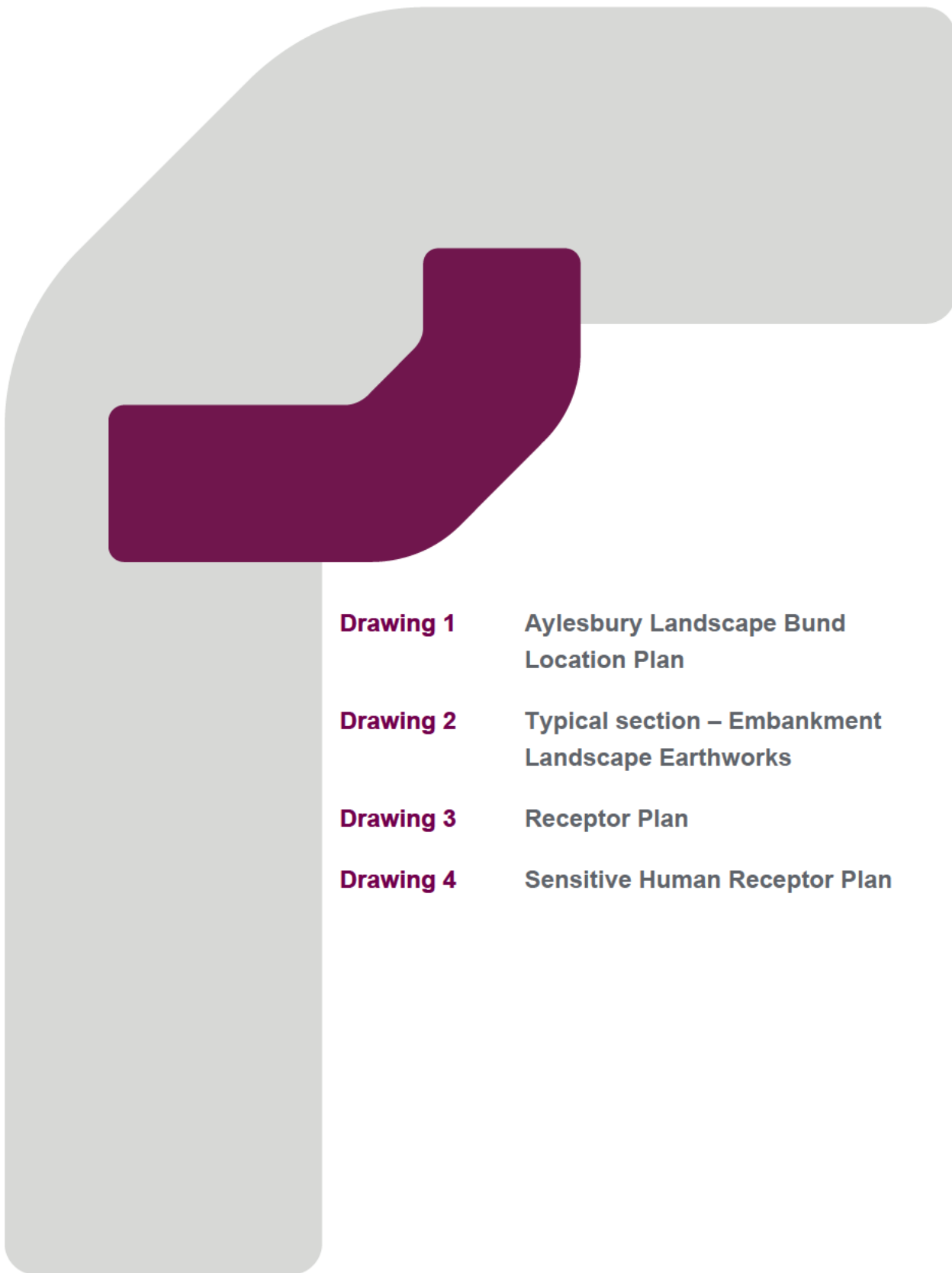
- 5.4.1 Slope stability has been considered in the Aylesbury Embankment Geotechnical Design Report, reference: 1MC06-CEK-GT-REP-CS04_CL18-000037, The GDR is appended as Appendix B to the ESSD report.

6 SITE CLOSURE

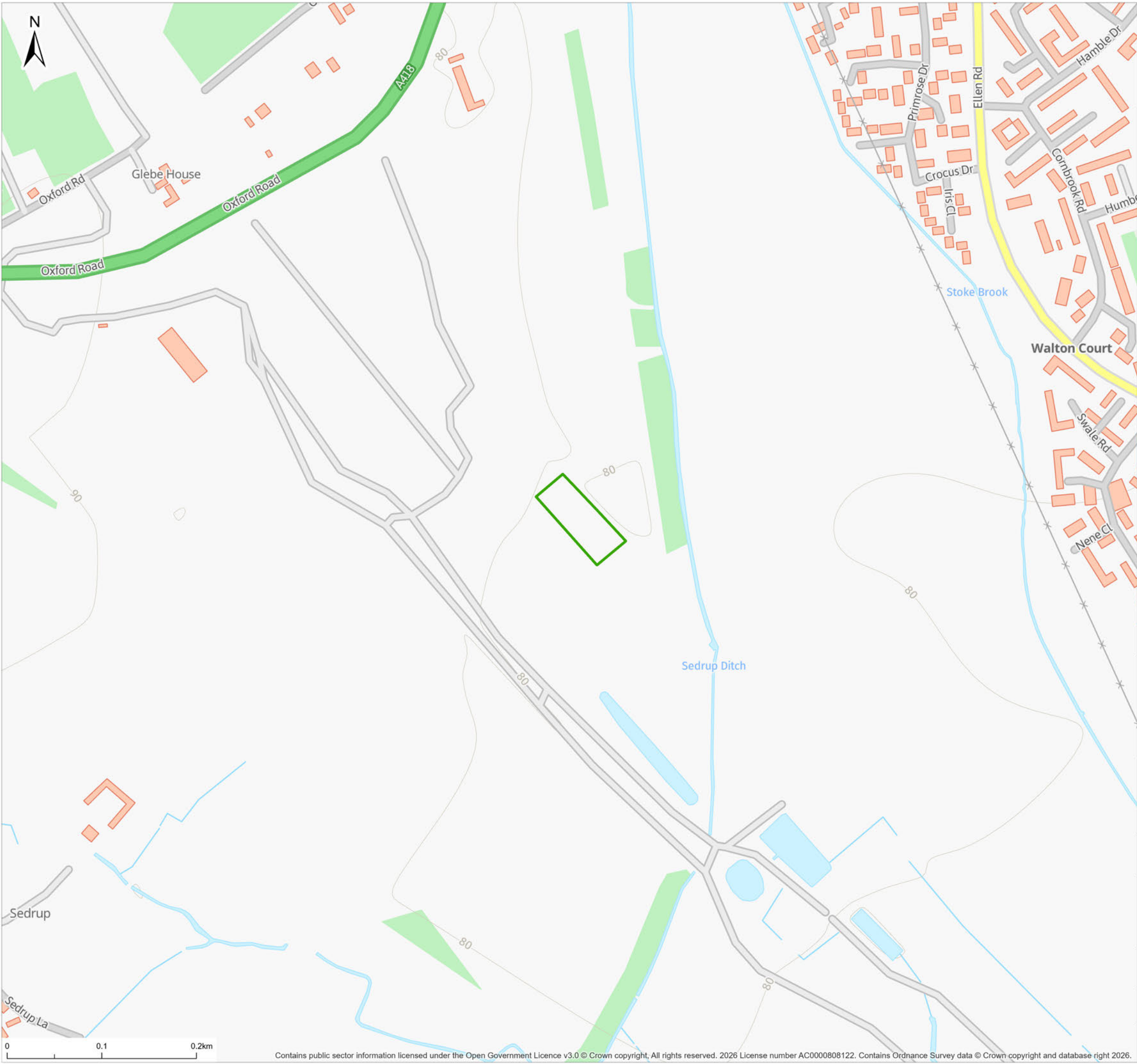
- 6.1.1 There is no requirement for a Closure and Aftercare Plan for recovery activities.
- 6.1.2 Upon completion of the recovery activity, a completion report will be prepared detailing the waste accepted as part of the recovery activity, outcomes of monitoring throughout the life of the permit and confirmation that no pollution incidents or contamination have occurred at the site. If any pollution incidents or contamination are identified, details of any investigation and remediation shall be confirmed.
- 6.1.3 Following completion of the development, an application to surrender the permit will be prepared and submitted to the EA. This will take account of records of the waste deposited at the site and assist in demonstrating the non-hazardous nature of the waste.
- 6.1.4 No gas generating wastes will be accepted on site. Therefore, it is not proposed to undertake any period of gas monitoring following completion and prior to permit surrender.

REFERENCES

1. EA Waste recovery plans and permits Guidance - <https://www.gov.uk/guidance/waste-recovery-plans-and-permits>
2. Landfill operators: environmental permits - What to include in your environmental setting and site design report - Guidance - GOV.UK (www.gov.uk)
3. Environmental Setting and Site Design template - <https://www.gov.uk/government/publications/report-template-environmental-setting-and-site-design>



- | | |
|------------------|--|
| Drawing 1 | Aylesbury Landscape Bund
Location Plan |
| Drawing 2 | Typical section – Embankment
Landscape Earthworks |
| Drawing 3 | Receptor Plan |
| Drawing 4 | Sensitive Human Receptor Plan |

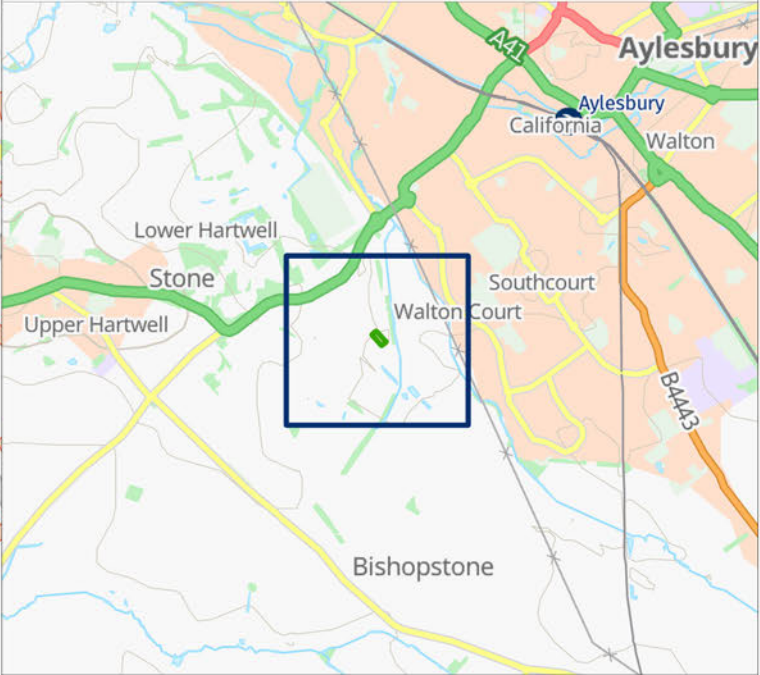


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LEGEND

Permit Boundary



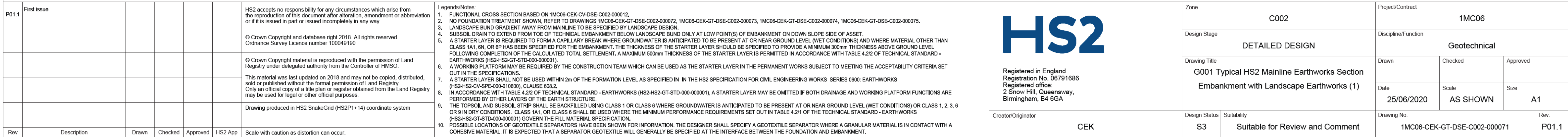
Client	EKFB		
Project	HS2 Waste Recovery Permits		
Project No.	794-ENV-GDE-JFR3530		
Title	Hartwell Landfill Reuse Location		
Drawing No. JFR3530-0010-04	Figure No. 01	Revision 04	Status FINAL
Date APR 2026	Drawn By JM	Checked By AK	Revision By JM
Scale @ A3 1:4,000		Datum OSGB 1936	

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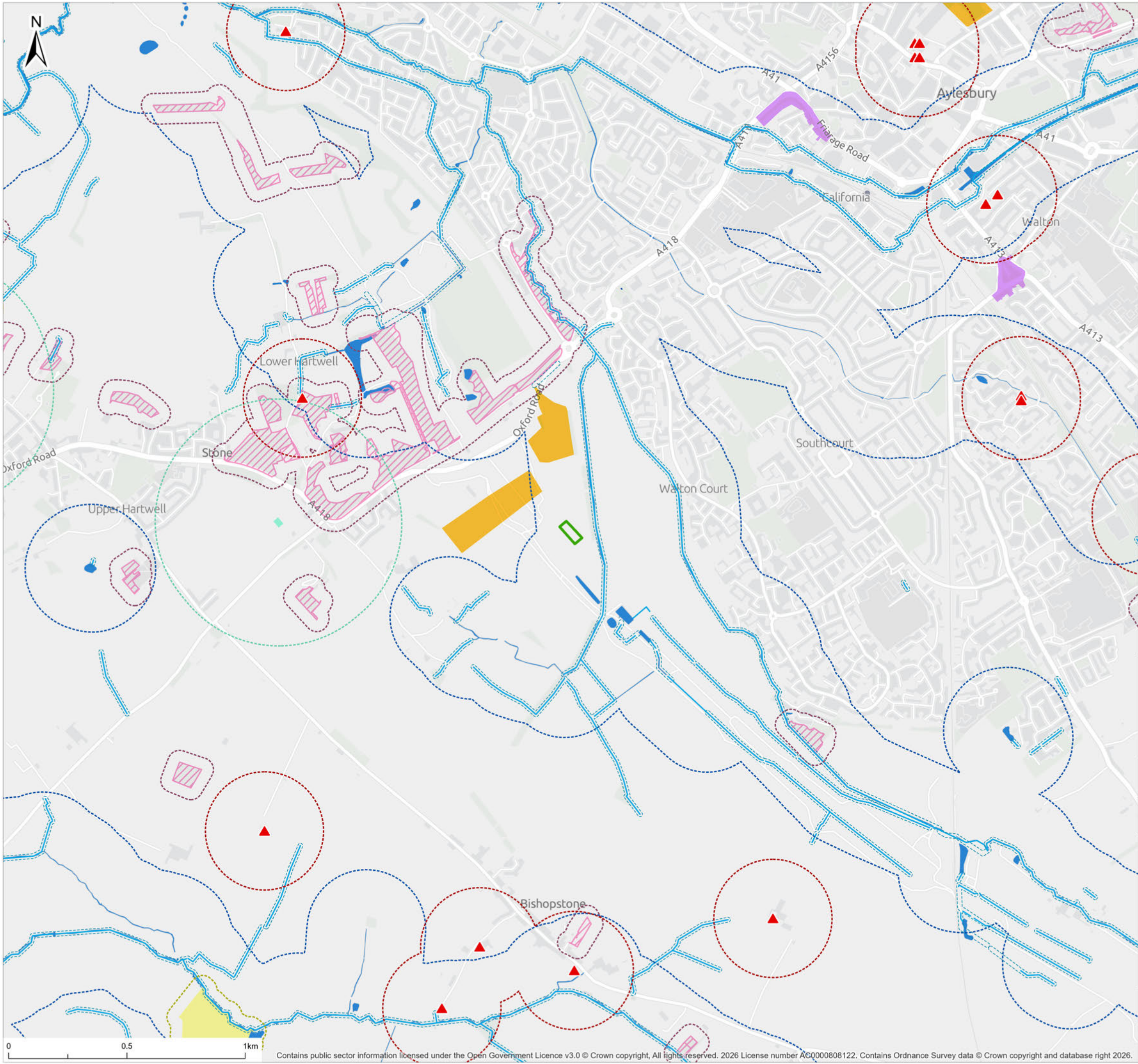
CONSTRUCTION SEQUENCE NOTES:

- A. WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH THE SEQUENCING SPECIFIED IN THE HS2 SPECIFICATION FOR CIVIL ENGINEERING WORKS SERIES 0600: EARTHWORKS (HS2-HS2-CV-SPE-000-010600).
- B. LANDSCAPE EARTHWORKS TO BE CONSTRUCTED CONCURRENTLY WITH THE MAINLINE EMBANKMENT WHERE POSSIBLE. SPECIFIC SEQUENCING MAY BE AGREED WITH THE CONSTRUCTION TEAM ON A CASE BY CASE BASIS WITH THE CIVIL ENGINEERING SEQUENCING DRAWINGS PRODUCED WHERE NECESSARY AND ACCOUNTED FOR IN THE DESIGN OF THE EARTHWORKS.
- C. FOUNDATIONS FOR THE NOISE BARRIER TO BE CONSTRUCTED FROM SUB-FORMATION LEVEL.

	TOPSOIL		EARTHWORK
	STARTER LAYER		WALKWAY
	TOPSOIL STRIPPING OR SUBSOIL STRIPPING		FILTER MATERIAL
	UPPER EMBANKMENT FILL		LANDSCAPE EARTHWORK ZONE 1 AND ZONE 2 (CLASS 4)
	LOWER EMBANKMENT FILL		LANDSCAPE EARTHWORK ZONE 3 (CLASS 4)
	PROTECTION LAYER		GEOTEXTILE SEPARATOR
	PREPARED SUBGRADE		EXISTING GROUND LEVEL



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- LEGEND**
- Permit Boundary
 - Air quality management area
 - Historic landfill site
 - Priority habitat
 - Priority habitat - 50 m buffer
 - Scheduled monument
 - Scheduled monument - 50 m buffer
 - Site of Special Scientific Interest
 - Site of Special Scientific Interest - 500 m buffer
 - Surface water
 - Surface water - 250 m buffer
 - Watercourse
 - Watercourse - 10 m buffer
 - Water wells
 - Water wells - 250 m buffer



Client **EKFB**

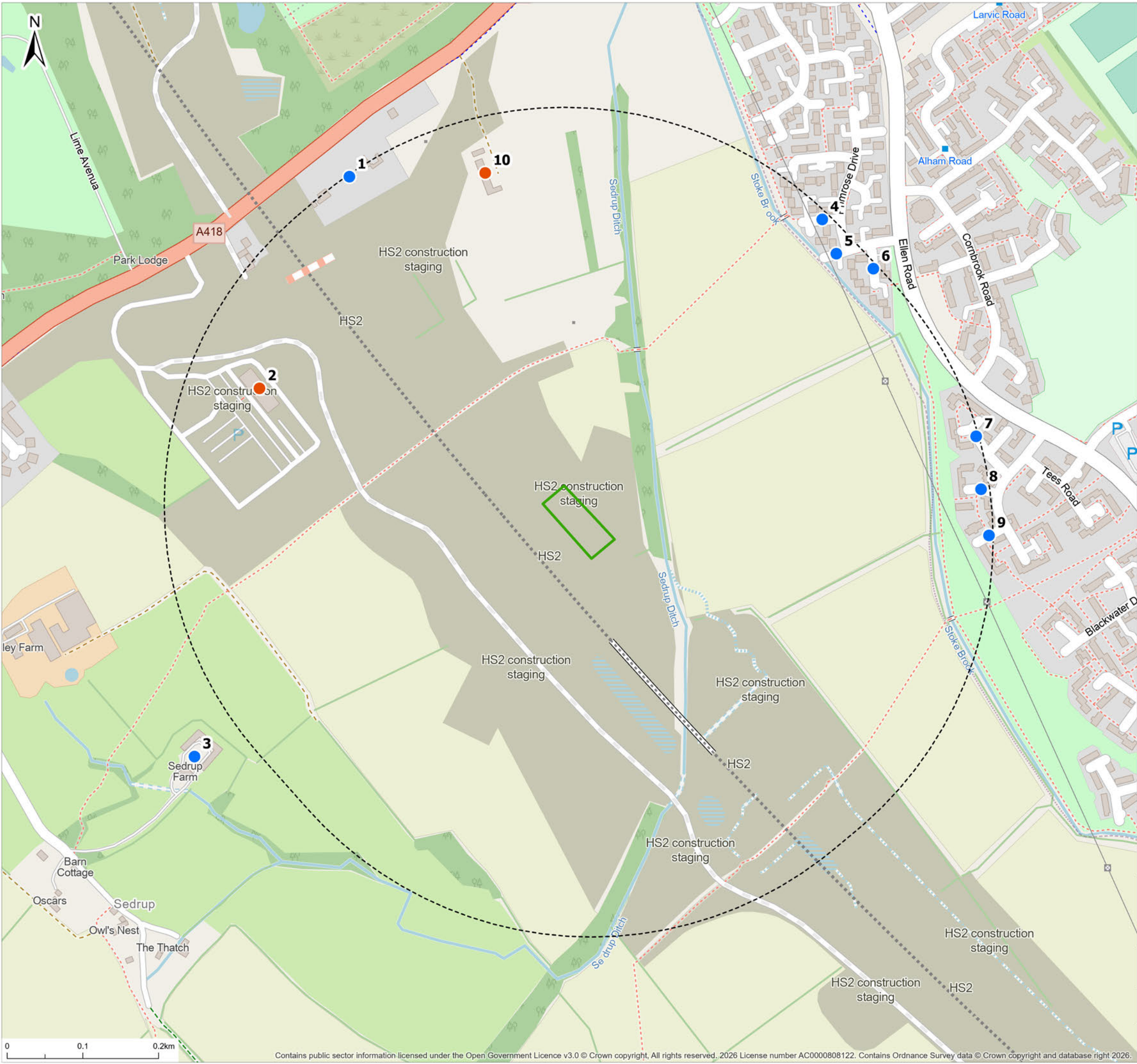
Project **Aylesbury HS2**

Project No. **JFR3530**

Title **Receptors at Aylesbury**

Drawing No. 3530-00011-02	Figure No. 01	Revision 02	Status FINAL
Date APR 2026	Drawn By AC	Checked By AK	Revision By JM
Scale @ A3 1:16,000		Datum OSGB 1936	

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LEGEND

- Permit Boundary
- 500m Buffer
- Commercial
- Residential

- 1 - Oxford Road / A418 - 2 properties
- 2 - HS2 Construction Staging
- 3 - Sedrup Farm
- 4 - Lupin Walk (approx. 10 properties)
- 5 - Foxgloves (approx. 5 properties)
- 6 - Iris Close (approx. 15 properties)
- 7 - Swale Road (approx. 10 properties)
- 8 - Frome Close (approx. 15 properties)
- 9 - Nene Close (approx. 5-10 properties)
- 10 - Hartwell Depot



TETRA TECH

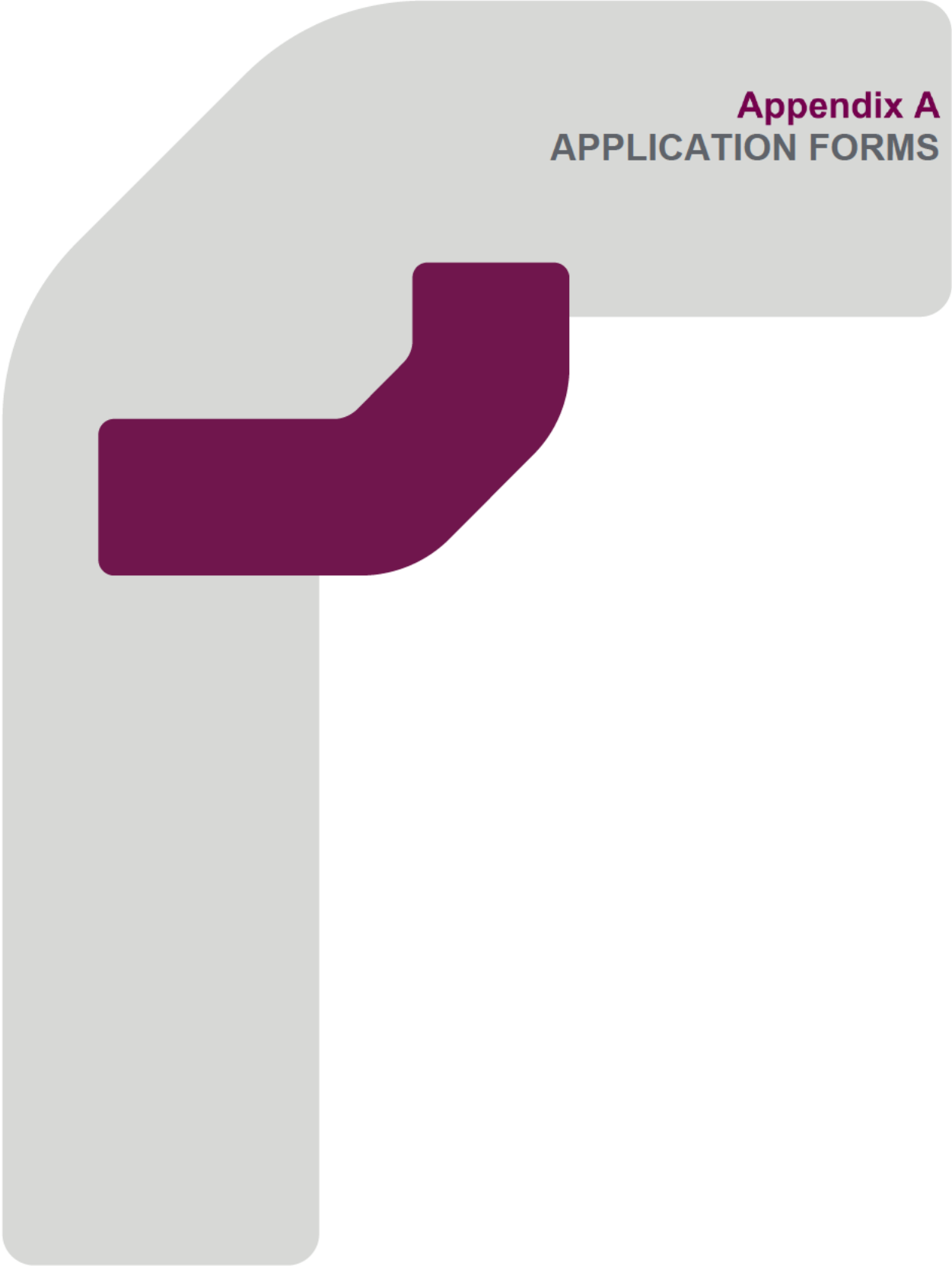
Client **EKFB**

Project **Aylesbury HS2**

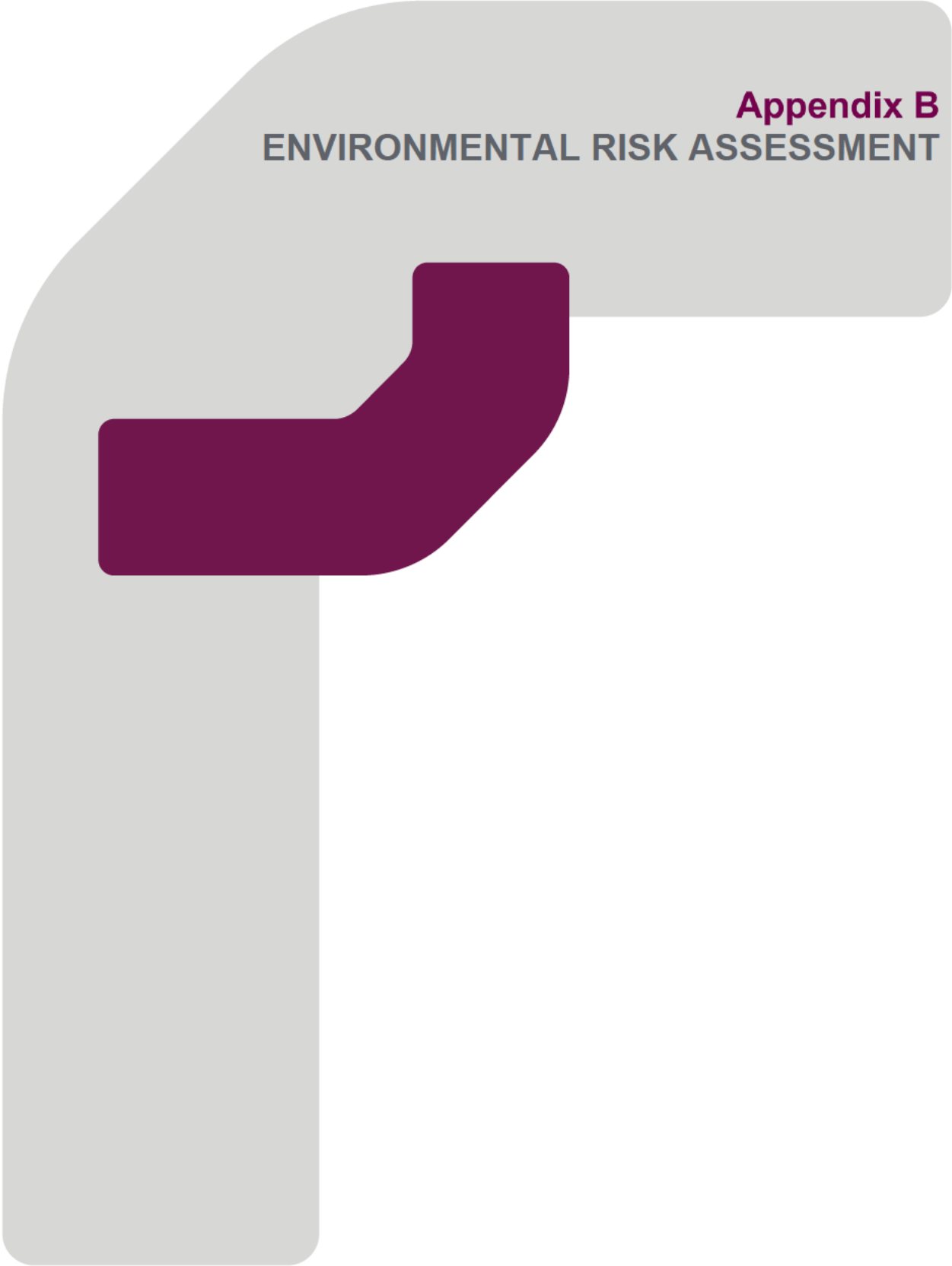
Project No. **JFR3530**

Title **Site Location and Local Residential & Commercial Sensitive Receptors**

Drawing No. 3530-0012-02	Figure No. 01	Revision 02	Status FINAL
Date APR 2026	Drawn By JM	Checked By AK	Revision By XX
Scale @ A3 1:5,000		Datum OSGB 1936	

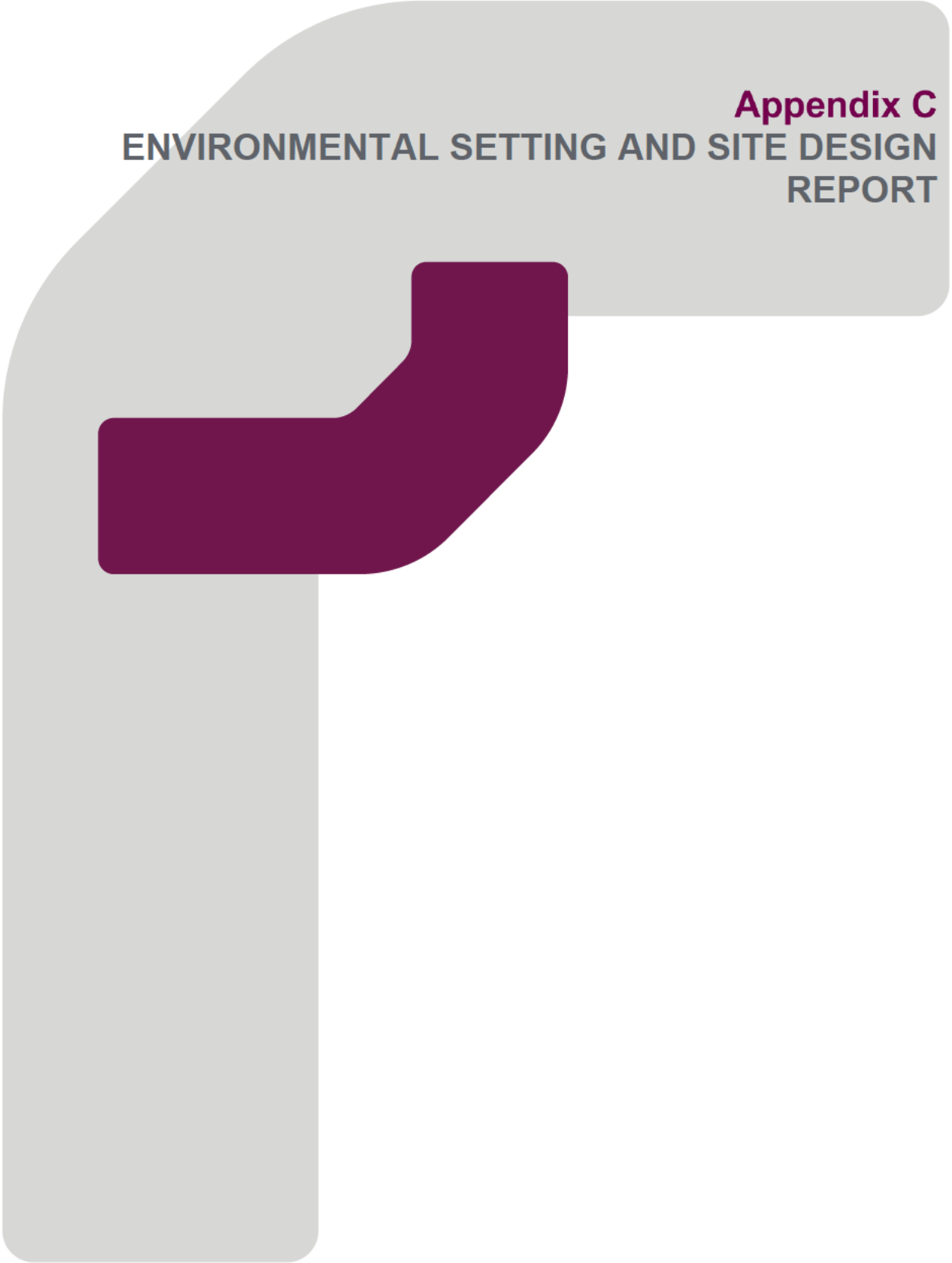


Appendix A **APPLICATION FORMS**

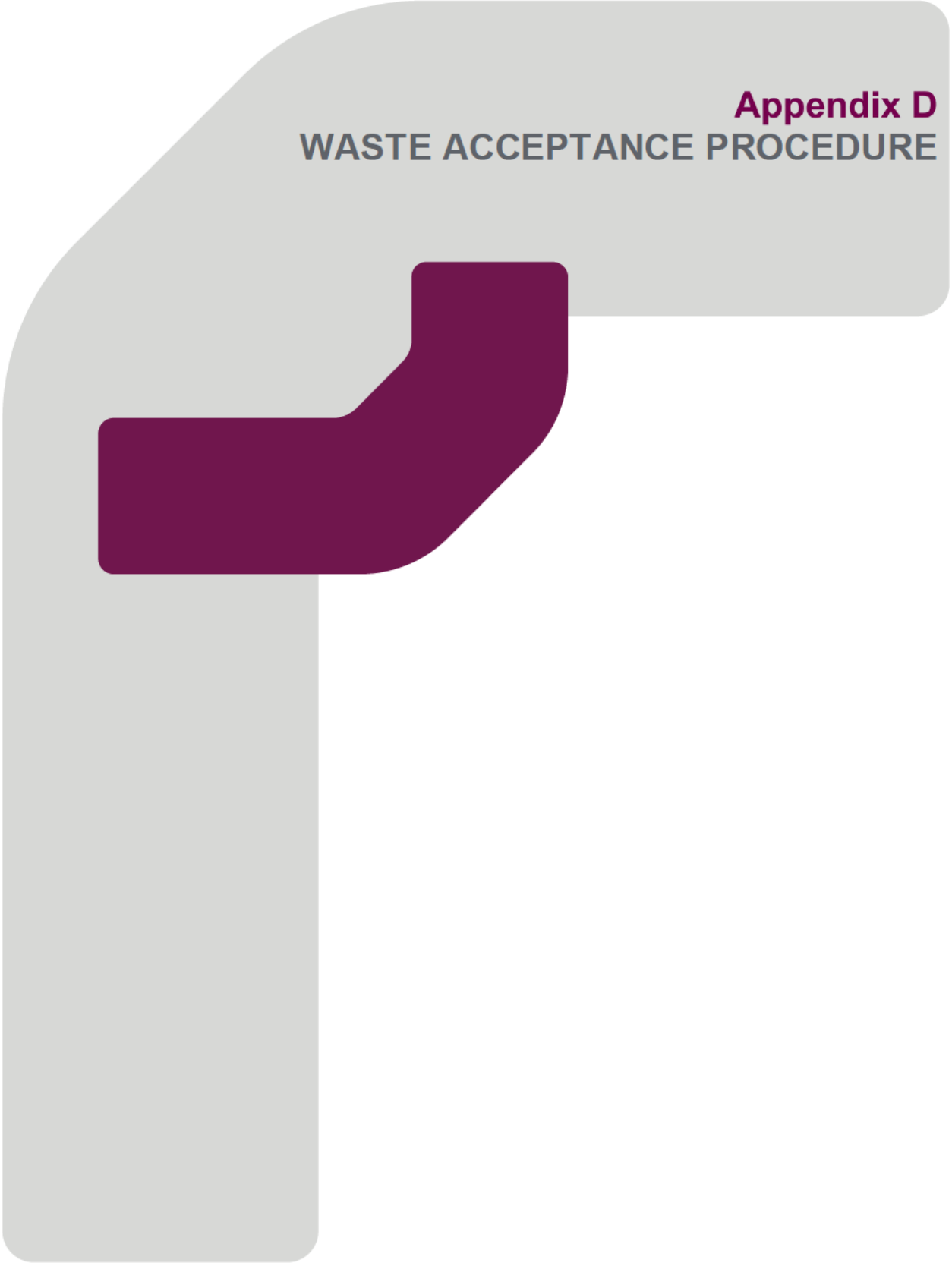


Appendix B

ENVIRONMENTAL RISK ASSESSMENT

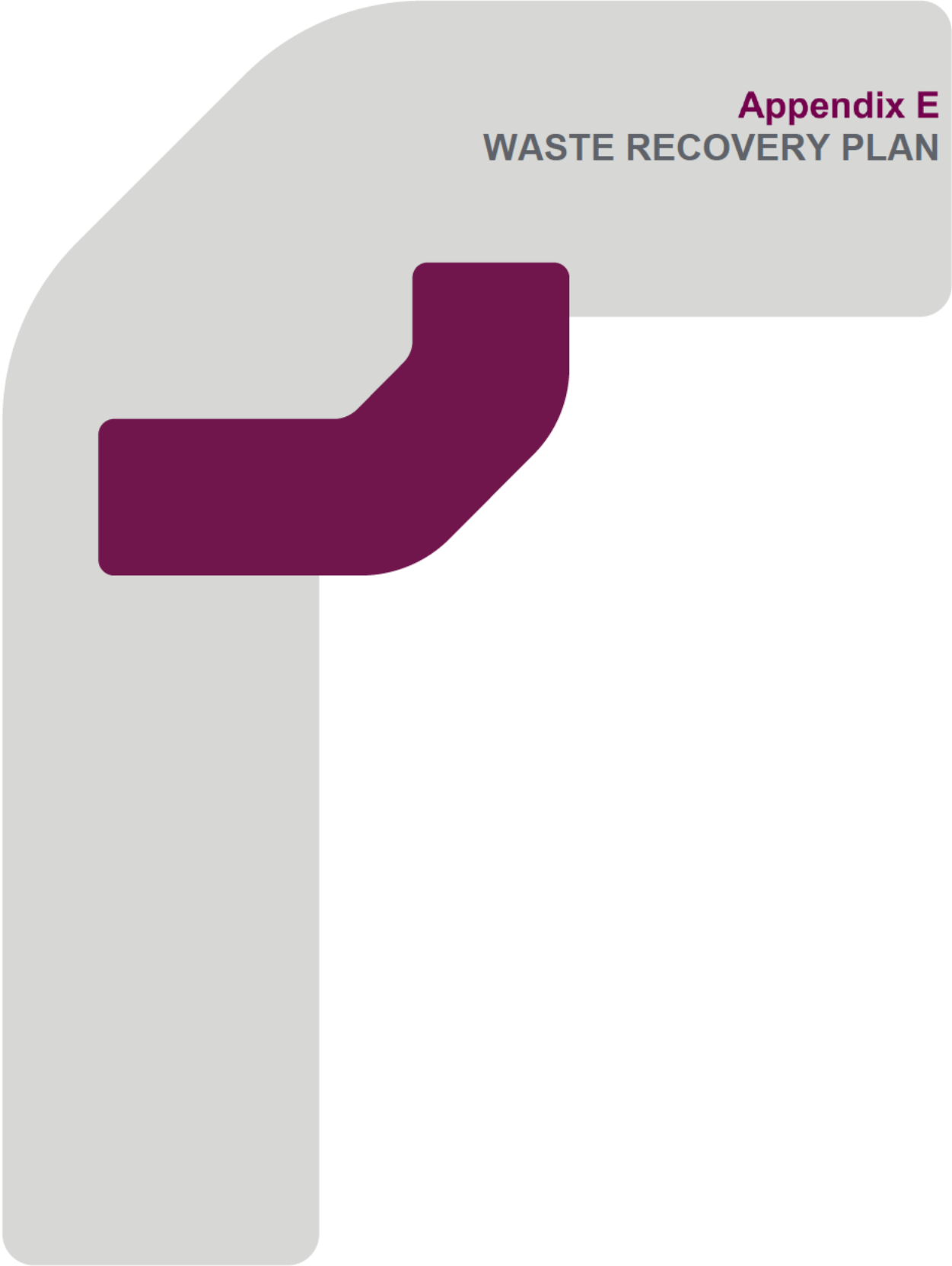


Appendix C **ENVIRONMENTAL SETTING AND SITE DESIGN** **REPORT**



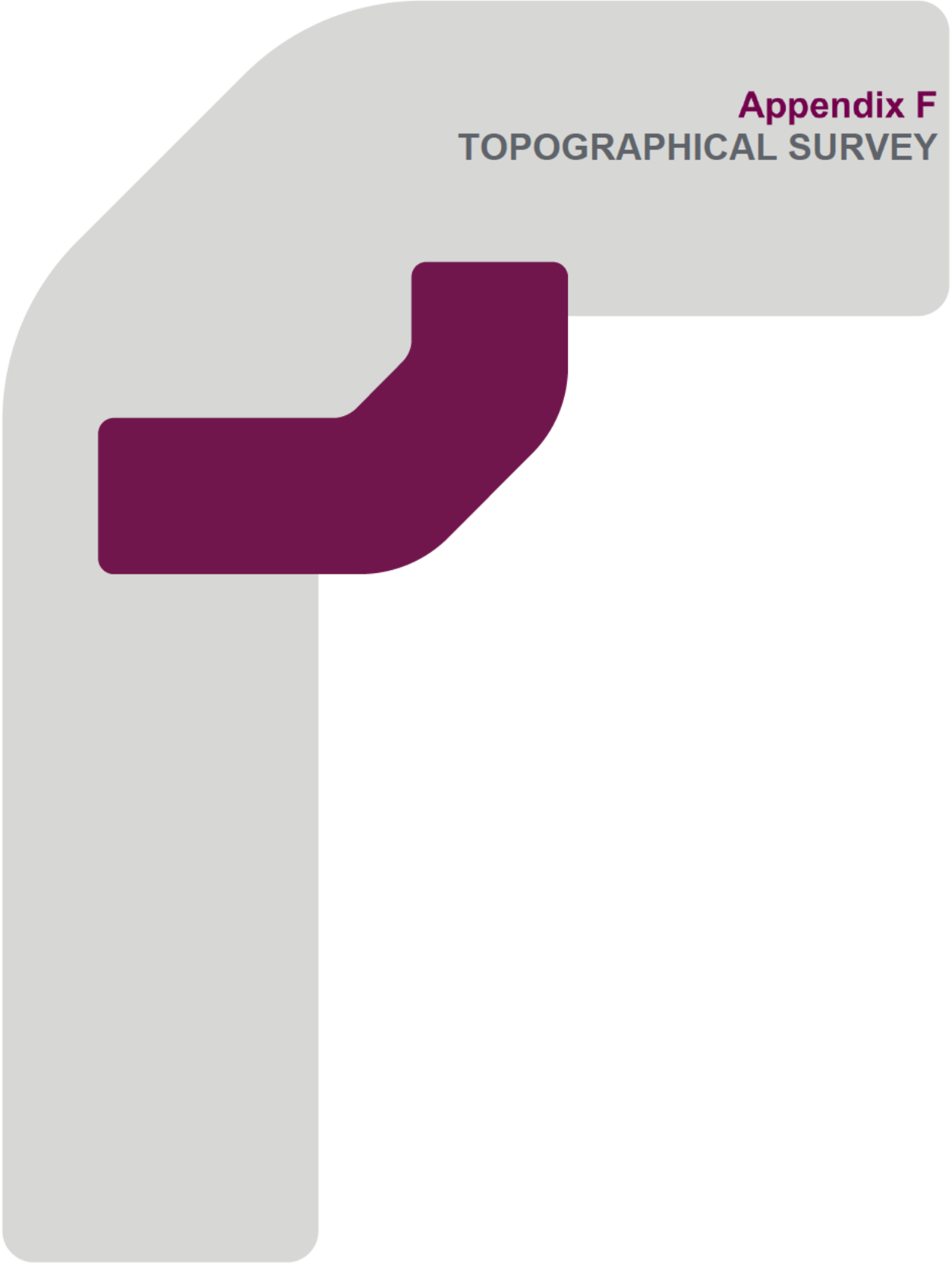
Appendix D

WASTE ACCEPTANCE PROCEDURE



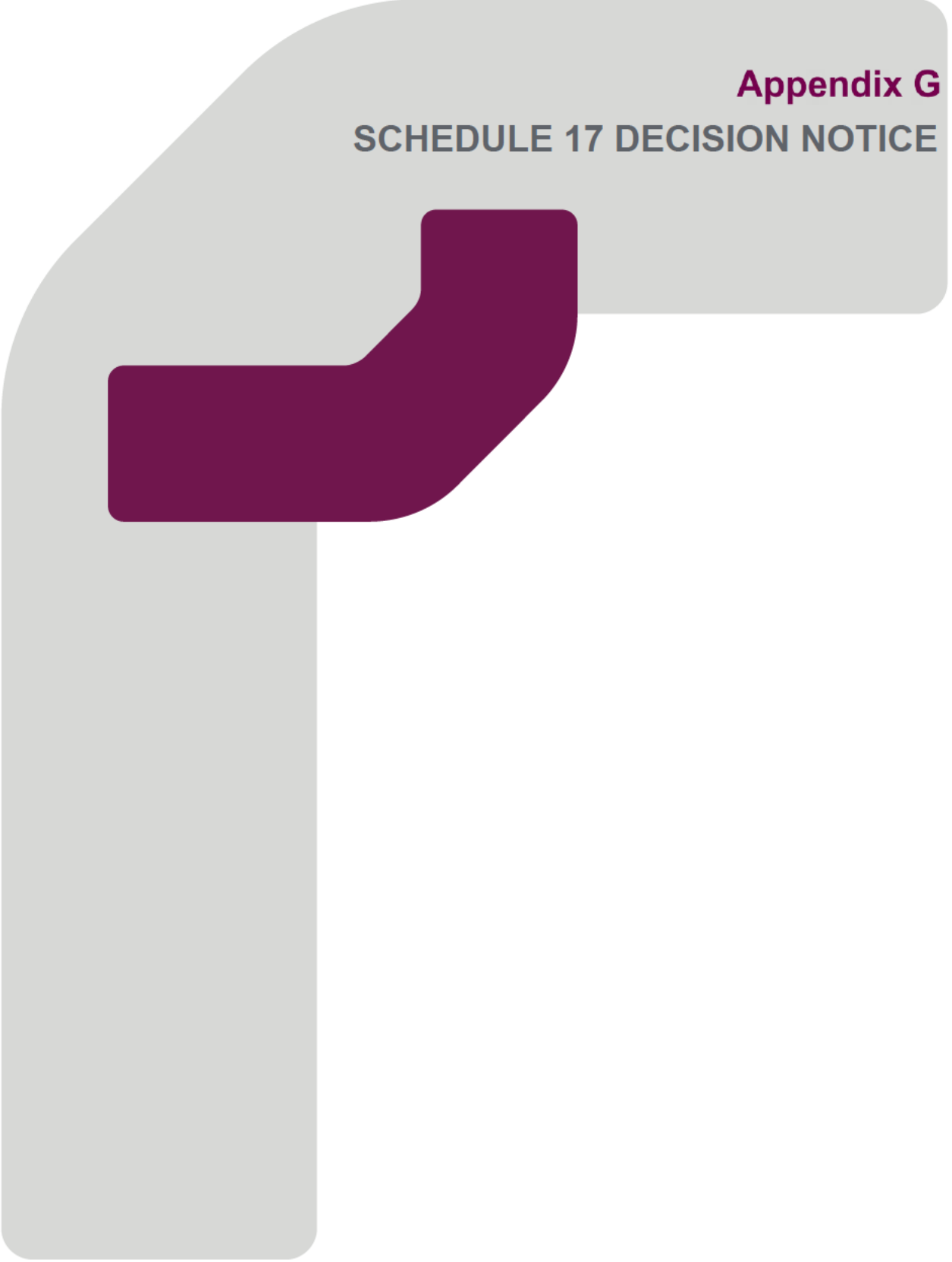
Appendix E

WASTE RECOVERY PLAN



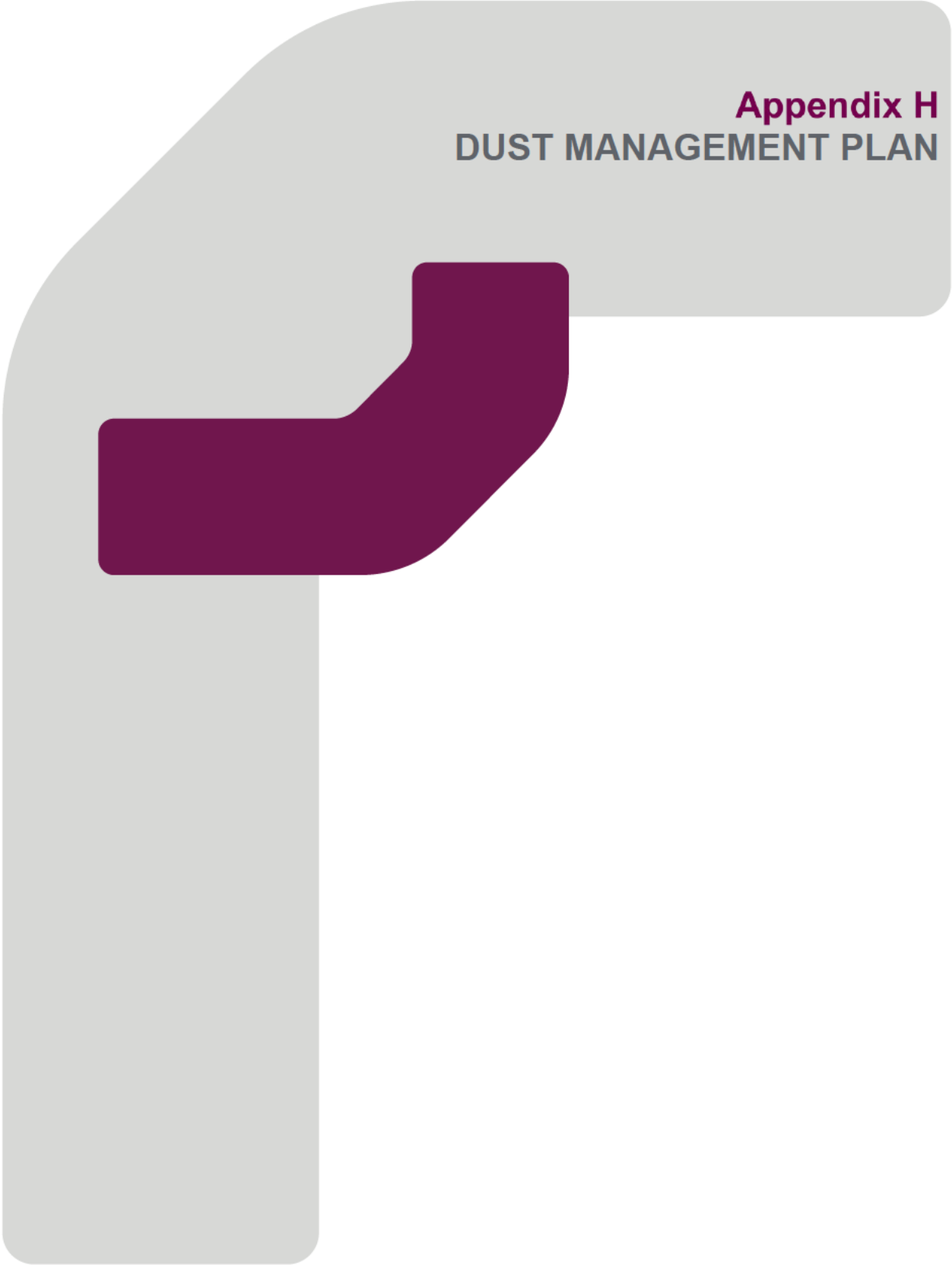
Appendix F

TOPOGRAPHICAL SURVEY



Appendix G

SCHEDULE 17 DECISION NOTICE



Appendix H **DUST MANAGEMENT PLAN**

AYLESBURY EMBANKMENT APPLICATION FOR A PERMIT

Supporting Information

2026-04-23

794-ENV-EPC-JER9490

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