

TWYFORD EMBANKMENT APPLICATION FOR A WASTE RECOVERY PERMIT

Supporting Information

JER9490

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11 September 2025

Document status

Version	Revision	Authored by	Reviewed by	Approved by	Review date
1	0	Roger Newman	Jennifer Stringer		9 June 2025
1	1	Roger Newman	Ged Duckworth (EKFB)		13 th June 2025
2	0	Roger Newman	Jennifer Stringer	Jennifer Stringer	25 June 2025
2	1	Roger Newman	Jennifer Stringer	Jennifer Stringer	11 September 2025

Approval for issue

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11 September 2025

File Name

250911 R JER9490 RN Supporting Information v2 r1

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NON-TECHNICAL SUMMARY

Introduction

This document provides the supporting information for an application for a bespoke waste recovery permit at Twyford Embankment, Portway Road, Twyford, Buckinghamshire, MK18 4EB. The High-Speed Rail (London - West Midlands) Act 2017 grants deemed planning permission for the scheme. In addition, Buckinghamshire Council has granted permission for the development of Twyford Embankment (21/03691/HS2) under Schedule 17 of the Act.

HS2 is Britain's new high speed rail line, phase one of 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 proving the majority of fill material.

This application supports the re-use of treated waste from the former Finmere Quarry historic landfill site to create a landscape bund as part of the required mitigation at the Twyford Embankment section of the rail line.

Site Operations

In order to progress the development, reprofiling and recontouring of the excavated workings is required. In total, approximately 40,000 m³ of waste will be used to form the landscape bund. Waste will have been pre-treated off site at the Finmere Quarry site prior to delivery.

The waste types used to form part of the landscape bund at Twyford Embankment will be limited to treated non-hazardous waste. The waste material will be placed in layer 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 90% of the bunds material with waste material being recovered making up the further 10%.

Hours of operation will be limited to 8am – 6pm Monday to Friday, and 8:00am – 6pm on Saturday 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 – Site Plans
- Appendix C – Environmental Risk Assessment
- Appendix D – ESSD Report
- Appendix E - Waste Acceptance Procedures
- Appendix F – Waste Recovery Plan
- Appendix G – Topographic Survey
- Appendix H – Hydrogeological Appraisal Report

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 D Environmental Setting and Site Design Report

Appendix E Waste Acceptance Procedures

Appendix F Waste Recovery Plan

Appendix G Topographical Survey

Appendix H Hydrogeological Appraisal Report

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 will link London to the North-West.
- 1.2.2 The route of the rail line will intercept some historic landfill sites which will require excavating 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 deemed planning permission for the works associated with phase One.
- 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 For the works at Twyford Embankment, AVDC P14 Schedule 17 has been approved by Buckinghamshire Council (BC Reference 21/03691/HS2). The landscape bund at Twyford Embankment is included within this planning permission.

1.3 The Site

- 1.3.1 The site is located at Portway Road, Twyford, Buckinghamshire, MK18 4EB. The site is centred National Grid Reference SP 67282 26395. A location plan showing the site boundary can be found in Appendix B.
- 1.3.2 The site lies approximately 500m east of the village of Twyford. It is immediately surrounded by fields that are associated with agriculture.
- 1.3.3 The earliest historical maps date back to 1880, when the site appears to be entirely used as farmland. In 1900 the Grand Central Railway is shown cutting through the southern tip of the site and, from 1982, a sewage treatment works is shown immediately to the west of the site. Otherwise, the site appears to have remained as farmland.

¹ This treatment will be carried out at the Finmere Quarry historic landfill site under a separate mobile plant permit, see Section 3.3 for details.

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- 1.3.4 EA Nature and Heritage Conservation Screening Report (Bespoke Waste) EPR/HP3524SS/P001 (appended to the Environmental Risk Assessment (ERA) that forms part of this application) identified the presence of Bullhead within the screening distance of 500m:
- 1.3.5 A receptor plan is presented in Appendix B to this application. The plan illustrates that the site lies outside the buffer zones for priority habitats and water wells.
- 1.3.6 According to the British Geological Society's 'Geology of Britain Viewer'², the site is located on the bedrock geology of the site comprises Peterborough Member – Mudstone: sedimentary bedrock formed between 166.1 and 163.5 million years ago during the Jurassic period.
- 1.3.7 The bedrock geology at the site is formed of Peterborough Member Mudstone. The superficial geology at the site is formed of River Terrace Deposits (Undifferentiated) sand and gravel. Superficial geology at the site is also formed of Alluvium clay, silt, sand and gravel.
- 1.3.8 The Groundsure report for the site describes the Mudstone bedrock as unproductive as an aquifer, i.e., a rock layer or drift deposit with low permeability that has negligible significance for water supply or river base flow. The combined classification for the site is: Unproductive Bedrock Aquifer, Productive Superficial Aquifer.
- 1.3.9 There are no identified Groundwater Source Protection Zones (GSPZ) within a 500m radius of the site. The Groundwater Vulnerability Maps show 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 superficial aquifer, the groundwater vulnerability in the northwest portion of the site is described as "Medium".
- 1.3.10 The nearest watercourse is Padbury Brook that flows 194m north of site boundary at its closest point. Padbury Brook has a "Moderate" overall rating, with "Fail" Chemical rating and "Moderate" ecological rating, according to Environment Agency (EA) records from 2019.

1.4 Operator Details

- 1.4.1 The EKFB joint venture is made up of 4 companies. These companies are: Eiffage, Kier, Ferrovial Construction and BAM Nuttall.
- 1.4.2 The Company Directors as listed on Companies House and their dates of birth are provided in Appendix A.

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.

² [BGS Geology Viewer \(BETA\)](#)

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- 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 and Environmental Setting and Site Design reports.

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. John Hillyard
Qualifications Held	WAMITAB Level 4 Waste Management Operations – Managing Landfill Hazardous Waste (4LH) (
Certificate Number	Original: 14899/4LH/1 Continuing Competence: 5246222
Date Issued	Original: 01/12/2005 Continuing Competence: 19/02/2024

- 2.1.2 Copies of the original and continuing competency certificates for John Hillyard are included in Appendix A – Application Forms.

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 E),
- 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,
- Contingency plans.
- Record keeping and reporting,
- Complaints management.
- Management system review.

- 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

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- 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.
- 2.2.5 Environment Agency management system guidance requires that management systems have a climate change plan in place. The duration of the waste recovery activity is expected to be only circa 1 month and therefore significant changes in climate change are not expected. The ERA has considered the risk from the proposed activities and identified the proposed management. It is expected that these measures will remain appropriate for the duration of the works. Should the works be significantly delayed as part of the review process consideration will be given to any additional climate change mitigation or management measures.

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 C.

2.5 Site Security

- 2.5.1 The hours of operation will be limited to 8am – 6pm Monday to Friday, and 8:00am – 6pm on Saturday to Sunday. Outside of these hours the gated site entrance site will remain locked.

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- 2.5.2 Security is provided by fencing around the perimeter of the construction 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 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. Waste is not expected to be generated or stored within the permitted site.
- 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.

2.10 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.

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- 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 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 40,000 m ³ of waste listed in Table 3-2 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 Table 3-2 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.	40,000 m ³
R10: Land treatment resulting in benefit to agriculture or ecological improvement		
Total Throughput		~72,000 tonnes (based on 1.8 tonne per m ³)

3.2 Waste Recovery

3.2.1 A Waste Recovery Plan (WRP) for the above site was submitted to the EA for assessment detailing the required criteria as detailed in the EA guidance on waste recovery³. The applicant

³ <https://www.gov.uk/guidance/waste-recovery-plans-and-permits>

confirms it will implement the scheme and meet all commitments set out in the WRP. A copy of the WRP is included in this application as Appendix F.

- 3.2.2 The activity has been accepted during pre-application discussions and acceptance of the Waste Recovery Plan as a waste recovery activity.

3.3 Waste Types and Quantities

- 3.3.1 A pre-application meeting was held with the EA regarding the Conceptual Site Model (CSM) for the proposed Chetwode Embankment DfR activity. The material to be used in the Chetwode DfR recovery is the same material, extracted from and processed at Finmere Quarry, as proposed for use in this DfR activity at Twyford Embankment. Therefore, it is reasonable to assume that the advice given by the EA regarding the waste acceptance criteria for the processed Finmere Quarry waste would also apply to the waste to be deposited into the Twyford Embankment, i.e.:
- Contaminant concentrations, including asbestos fibres, in the post remediated samples are significantly below the non-hazardous / hazardous waste threshold; and
 - the remediated waste would likely pose a low risk to the environment.
- 3.3.2 The waste to be deposited for recovery within the landscape bund at Twyford Embankment will have been excavated from the Finmere Quarry historic landfill site. Prior to transport and acceptances at the site the waste will be screened/ treated under a separate mobile plant permit at Finmere Quarry. Only suitably treated material will be transferred. The waste types accepted at the site are limited to treated non-hazardous wastes that conform to the agreed waste acceptance criteria (see section 3.3 of the Waste Acceptance Procedure).
- 3.3.3 The Waste Classification Report (Appendix E to the WRP) has identified that the wastes from Finmere Quarry 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 Finmere Quarry. 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.
- 3.3.4 The waste proposed for acceptance and use in the waste recovery activity are detailed in Table 3-2 below:

Table 3-2: Waste Types

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

- 3.3.5 The waste to be used will be excavated from the Finmere Quarry 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 Finmere Quarry. No further treatment will take place at the Twyford Embankment site.

3.4 Waste Storage

- 3.4.1 Waste will not be stored at the site prior to incorporation into the landscape bund at Twyford Embankment. The waste will be excavated from Finmere Quarry historic landfill, treated before leaving the Finmere Quarry 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 pending removal from site for appropriate treatment or disposal.

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 suitably treated non-hazardous material as stated in section 3.2.2.
- 4.1.2 The CSM (appended to the ESSD report in Appendix D to this document) concludes that there is no viable contamination linkage between residual pollutants in the deposited waste and groundwater because:
- The Site is underlain by >4m of low permeability, cohesive soils which overlie the shallowest aquifer.
 - The design of the landscape earthworks, constructed from compacted low permeability high plasticity clays, will further mitigate the risk to the underlying aquifer.
 - The treated waste will be placed on compacted emplaced clay and not on in-situ soils, further reducing potential infiltration

4.2 Gas

- 4.2.1 A ground gas management plan is not required as the wastes to be accepted at the site are 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 C.
- 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.

5 ENVIRONMENTAL IMPACTS

5.1 Environmental Risk Assessments (ERA)

- 5.1.1 An ERA is included as Appendix C. 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 guidance⁴ provided by the EA (Appendix D). The ESSD defines 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 bedrock geology at the site is formed of Peterborough Member Mudstone. The superficial geology at the site is formed of River Terrace Deposits (Undifferentiated) sand and gravel. Superficial geology at the site is also formed of Alluvium clay, silt, sand and gravel.
- 5.2.3 The closest watercourse runs approximately 137m SW of the site boundary. The closest watercourse covered by the Water Framework Directive is Padbury Brook approximately 194m to the north of the site.
- 5.2.4 The EA flood risk maps have been consulted and it is shown that the site is located in flood zone 1, an area with a low probability of flooding.
- 5.2.5 The aquifer status of the superficial deposits which underlie a small portion of the site in the north-west is described as "Secondary Undifferentiated Aquifer".
- 5.2.6 There are no identified Groundwater Source Protection Zones (GSPZ) within a 500 m radius of the site.
- 5.2.7 Average groundwater levels for the Twyford Viaduct to Barton Hartshorn Embankment study area which includes the area for the landscape bund at Twyford Embankment range from approximately 0.05 m bgl to 19 m bgl. The available data suggests that groundwater flow directions broadly follow topographical gradients.
- 5.2.8 The ESSD report is enclosed as Appendix D.

5.3 Hydrogeological Risk Assessment (HRA)

- 5.3.1 By virtue of lying partially over a secondary superficial aquifer, groundwater vulnerability at this site is deemed to be "medium".
- 5.3.2 On this basis a HRA has been prepared and is included in the application in Appendix H.

⁴ [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)

5.4 Stability Risk Assessment (SRA)

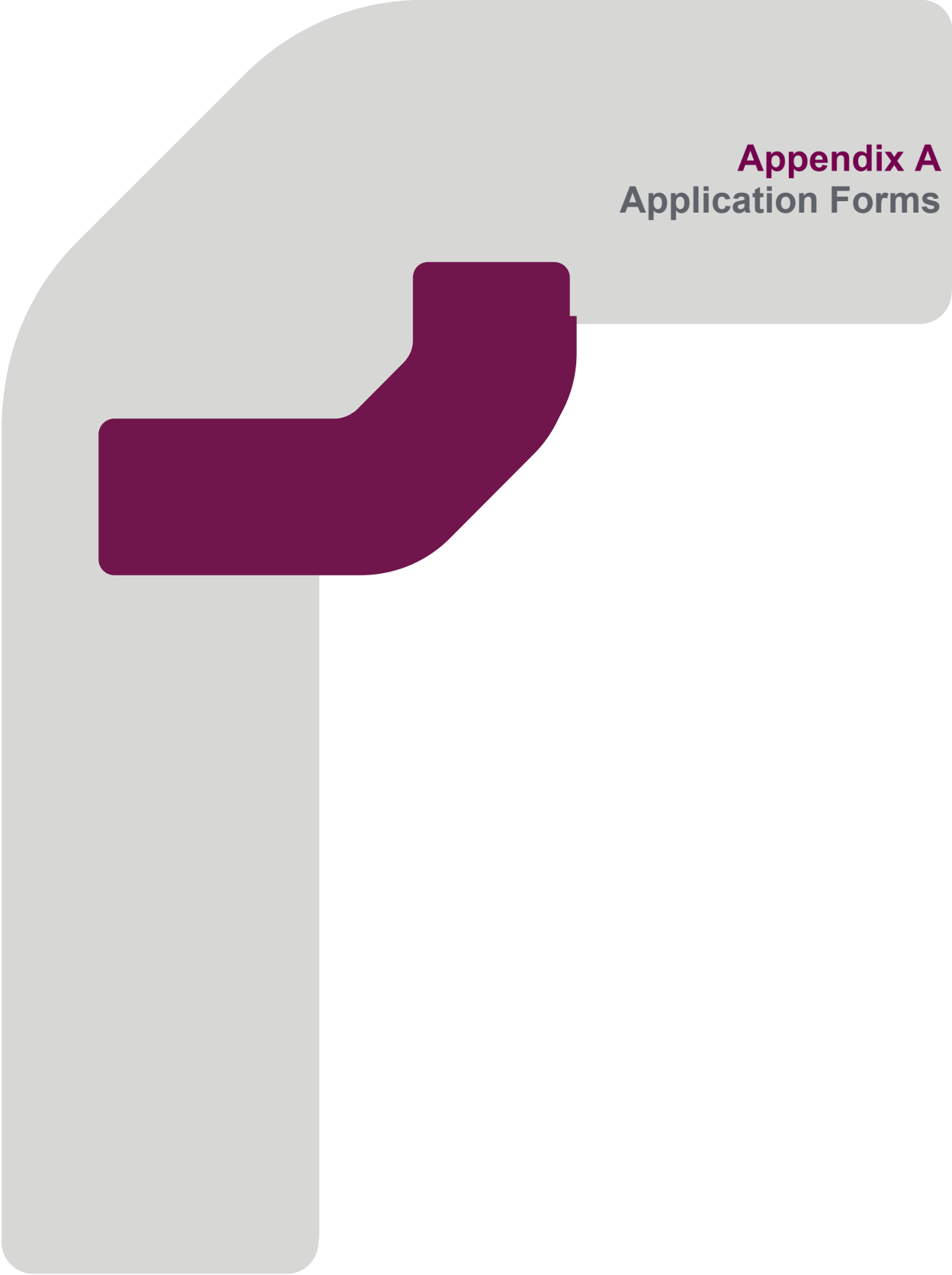
- 5.4.1 Slope stability has been considered in the Twyford Embankment Geotechnical Design Report, reference: 1MC06-CEK-GT-REP-CS06_CL10-000002, particularly in section 9.4. The GDR is appended to the ESSD report (Appendix D) as Appendix B.
- 5.4.2 Section 9.4.3 and Table 9-31 of the GDR present the stability calculations for the landscape bund.
- 5.4.3 The internal stability of the landscape bund has been verified by route wide calculation but is not presented in the GDR.

6 SITE CLOSURE

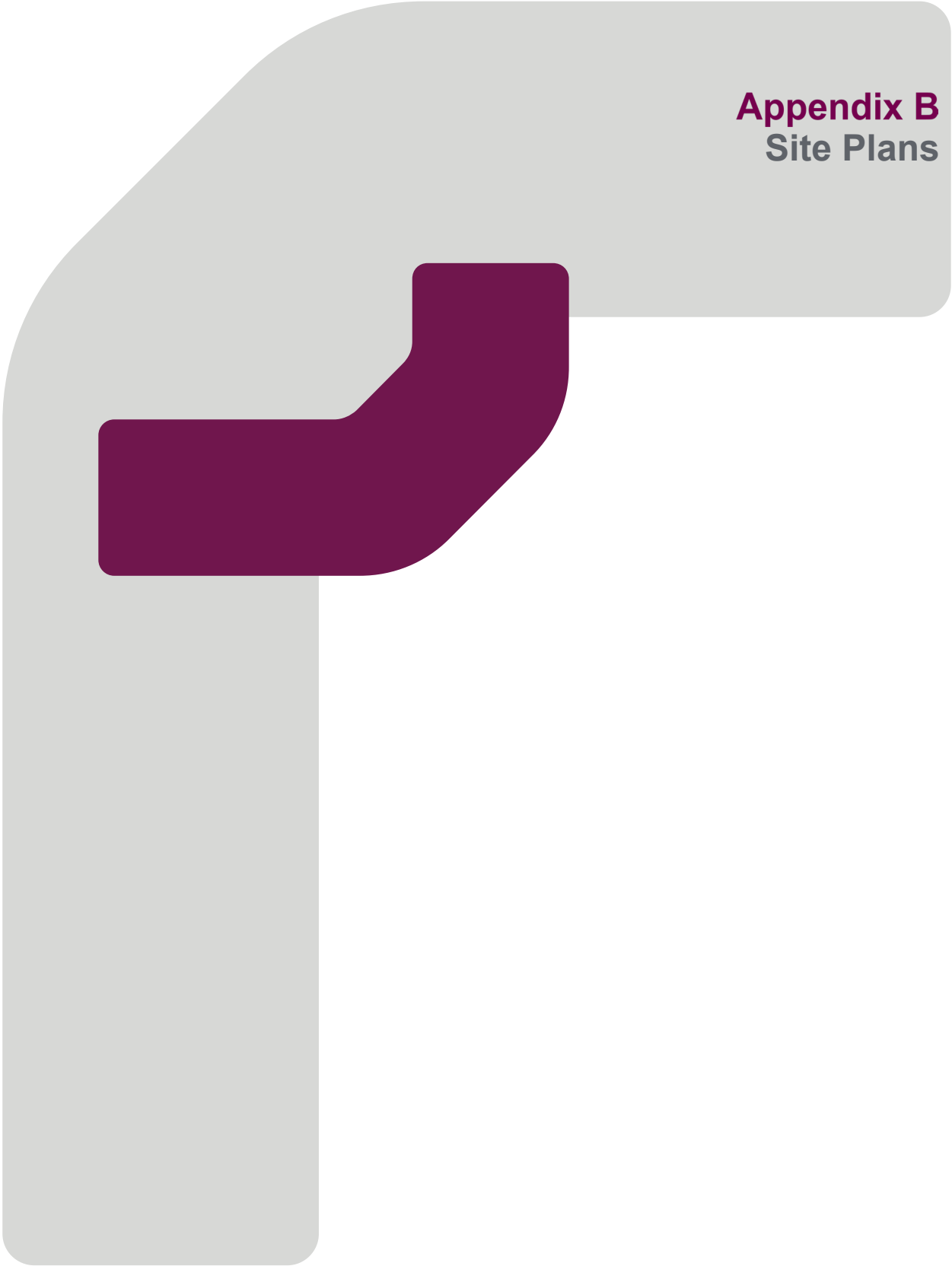
- 6.1.1 There is no requirement for a Closure and Aftercare Plan for recovery activities.
- 6.1.2 Upon completion of the recovery activity, a completion report will be prepared detailing the waste accepted as part of the recovery activity, outcomes of monitoring throughout the life of the permit and 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 inert 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. British Geological Society's 'Geology of Britain Viewer' - [BGS Geology Viewer \(BETA\)](#)
2. EA flood risk maps - <https://flood-map-for-planning.service.gov.uk/confirm-location?easting=575103&northing=154110&nationalGridReference=TQ7510354110>
3. DEFRA data services platform - <https://environment.data.gov.uk/DefraDataDownload/?mapService=EA/HistoricLandfill&Mode=spatial>
4. EA Waste recovery plans and permits Guidance - <https://www.gov.uk/guidance/waste-recovery-plans-and-permits>
5. Environmental Setting and Site Design template - <https://www.gov.uk/government/publications/report-template-environmental-setting-and-site-design>



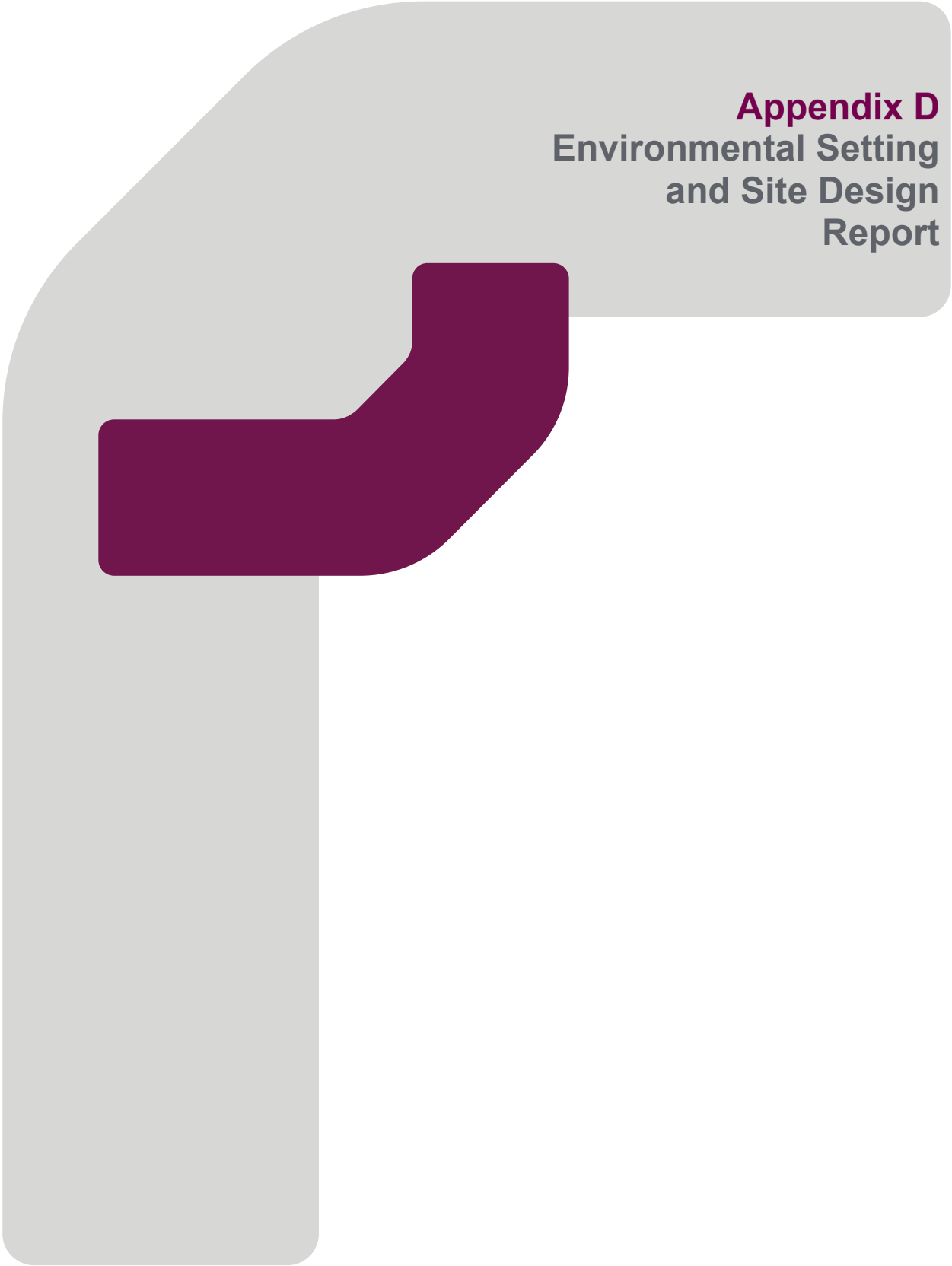
Appendix A Application Forms



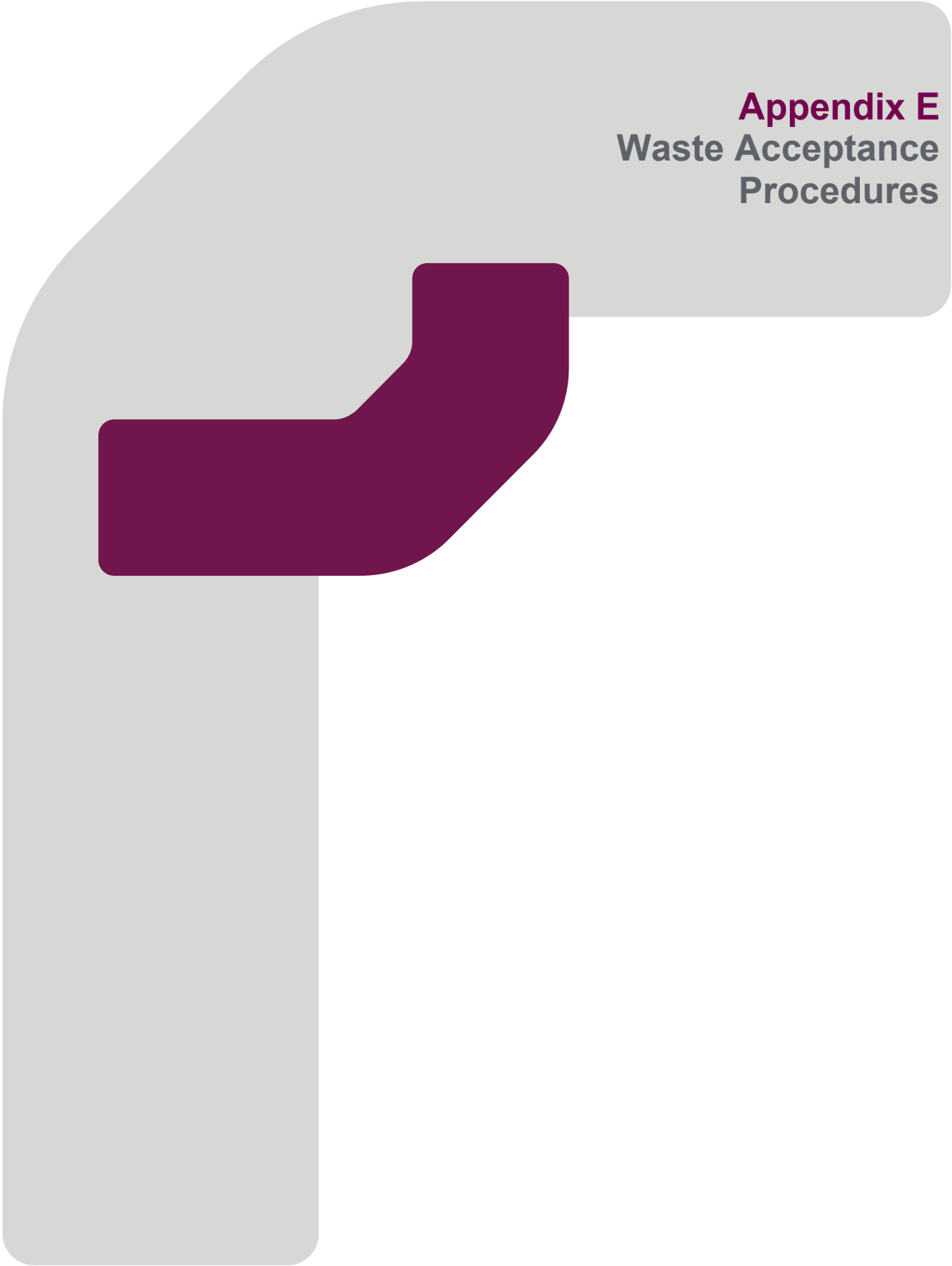
Appendix B **Site Plans**



Appendix C **Environmental Risk** **Assessment**



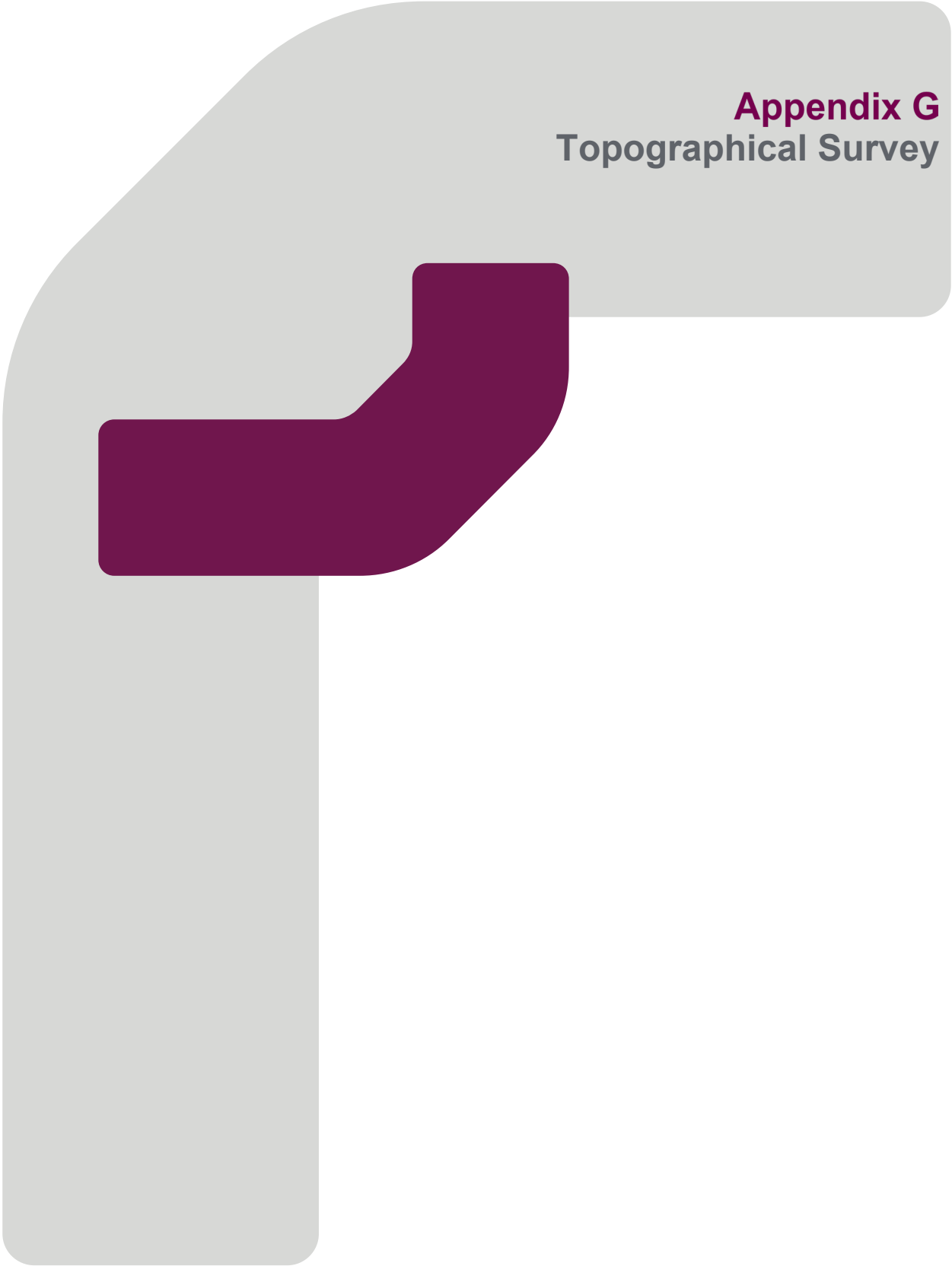
Appendix D **Environmental Setting and Site Design Report**



Appendix E **Waste Acceptance** **Procedures**

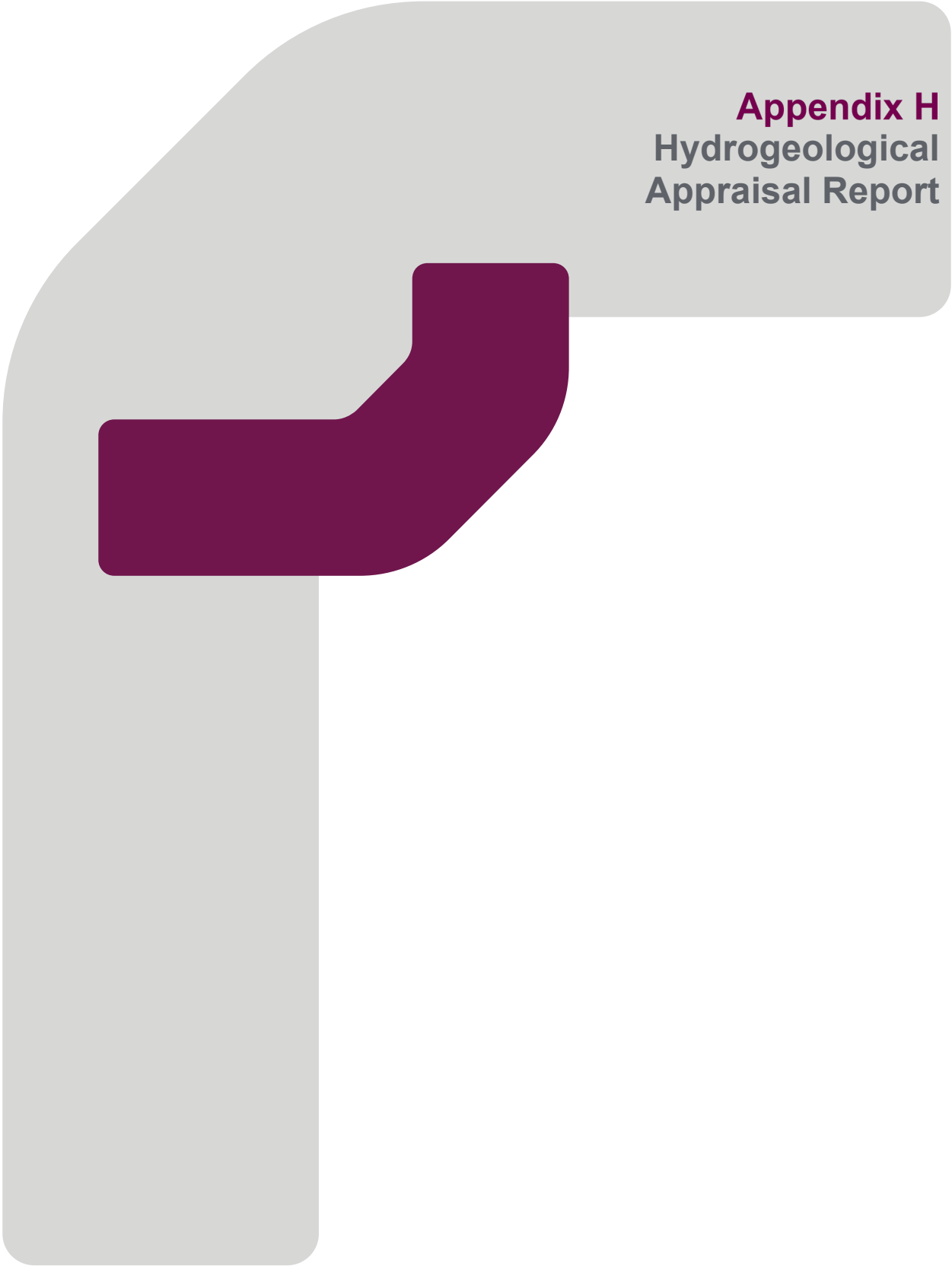


Appendix F **Waste Recovery Plan**



Appendix G

Topographical Survey



Appendix H **Hydrogeological** **Appraisal Report**

TWYFORD EMBANKMENT APPLICATION FOR A WASTE RECOVERY PERMIT

Supporting Information

11-09-2025

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