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# London Luton Airport Expansion

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## **The Planning Act 2008**

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## London Luton Airport Expansion Development Consent Order 202x

## 7.09 DESIGN PRINCIPLES (TRACKED CHANGE VERSION)

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## **Contents**

1	Introduction	1
1.1	Purpose of this document	1
1.2	Independent design review process	2
1.3	Programme of Works	3
2	Scheme wide Design Principles	4
2.1	Introduction	4
2.2	Design quality	4
2.3	Sustainability	6
2.4	Biodiversity	8
2.5	Noise and Vibration	10
3	Landscape	11
4	Works Design Principles	12
4.1	Introduction	12
4.2	Site wide works (Work No. 1)	12
4.3	Airfield works (Work No. 2)	13
4.4	Terminal works (Work No. 3)	16
4.5	Airport support facilities works (Work No. 4)	21
4.6	Highways works (Work No. 6)	24
5	Drainage Works	25
6	Illustrative design intent	34
Glos	sary and Abbreviations	41
Refe	rences	43
Appe Pane	endix A – Terms of Reference for Design Review Body and Design Review	46
4	Introduction	1
1.1_	Purpose of this document	1
1.2	Independent design review process	2
1.3	Programme of Works	3
2	Scheme wide Design Principles	4
2.1	Introduction	4
2.2	Design quality	4
2.3	Sustainability Sustainability	<del>6</del>
2.4	Biodiversity	8

2.5	Noise and Vibration	<del>10</del>
3	Landscape	11
4		<del>12</del>
4.1	— Introduction	<del>12</del>
4.2	Site wide works (Work No. 1)	<del>12</del>
4.3	Airfield works (Work No. 2)	<del>13</del>
4.4	— Terminal works (Work No. 3)	<del>16</del>
4.5	Airport support facilities works (Work No. 4)	<del>21</del>
4.6	Highways works (Work No. 6)	<del>2</del> 4
5	Drainage Works	<del>25</del>
6	Illustrative design intent	34
Gloss	sary and Abbreviations	<del>41</del>
Refer	rences	<del>43</del>
Appe	endix A – Terms of Reference for Design Review Body and Design Review Panel	<del>45</del>

#### **Tables**

- Table 2.1: Design quality design principles
- Table 2.2: Sustainability design principles
- Table 2.3: Biodiversity design principles
- Table 2.4: Noise and vibration design principles
- Table 3.1: Landscape design principles
- Table 4.1: Site wide works design principles
- Table 4.2: Airfield works design principles
- Table 4.3: Terminal 1 and Terminal 2 and associated works design principles
- Table 4.4: Terminal 1 works design principles
- Table 4.5 Terminal 2 and associated works design principles
- Table 4.6: Airport support facilities design principles
- Table 4.7: Highways works design principles
- Table 5.1 Drainage works design principles

#### **Figures**

Figure 1.1: Illustrative visualisation from the northeast of the proposed hotel looking towards Terminal 2 and the Plaza.

- <u>Figure 1-1: Illustrative visualisation from the northeast of the proposed hotel looking</u> towards Terminal 2 and the Plaza.
- <u>Figure 1-2: Illustrative visualisation from the west of Terminal 2 showing the Plaza and access points to the Terminal as well as the side façade and solar roofing.</u>
- <u>Figure 1-3: Illustrative visualisation of the Plaza showing the active public realm outside of Terminal 2.</u>
- <u>Figure 1-4:Illustrative visualisation showing how the Applicant envisions passengers and</u> workers to use the high-quality public realm in the Plaza.
- <u>Figure 1-5: Illustrative visualisation showing how Terminal 2 and its piers fit into the context of the existing airport.</u>
- <u>Figure 1-6: Illustrative visualisation showing the view from the Coach Station towards</u> Terminal 2 and the Plaza.
- Figure 1.2: Illustrative visualisation from the west of Terminal 2 showing the plaza and access points to the Terminal as well as the side façade and solar roofing.
- Figure 1.3: Illustrative visualisation of the Plaza showing the active public realm outside of Terminal 2.
- Figure 1.4: Illustrative visualisation showing how the Applicant envisions passengers and workers to use the high-quality public realm in the Plaza.
- Figure 1.5: Illustrative visualisation showing how Terminal 2 and its piers fit into the context of the existing airport.
- Figure 1.6: Illustrative visualisation showing the view from the Coach Station towards Terminal 2 and the Plaza.

#### 1 INTRODUCTION

## 1.1 Purpose of this document

- 1.1.1 This document sets out the design principles that will be followed at the detailed design stage (post Development Consent Order (DCO) consent). These design principles will be secured through the DCO and will provide certainty as to the principles that will be applied in designing the Proposed Development. The document provides stakeholders with assurance on how the design of the project will be developed following the grant of consent.
- 1.1.2 This document has been developed taking account of comments received from interested parties during the examination of the application for development consent.
- 1.1.3 The commitments in this document are secured in the following way:
  - a. Requirement 6 (detailed design) in Schedule 2 of the draft Development Consent Order (DCO) [TR020001/APP/2.01] requires that the details of the buildings, structures and works must be approved by the relevant planning authority and that these details must be in accordance with this document, Design Principles.
  - b. Requirement 9 (landscaping design) requires that the landscaping scheme approved under this requirement must also be in accordance with the principles set out in the Design Principles document.
  - c. Requirement 13 (surface and foul water drainage) requires that written details of a surface and foul water drainage plan be approved which are in accordance with the drainage principles set out in the Design Principles document.
- 1.1.4 This document should be read alongside the **Design and Access Statement** (**DAS**) [TR020001/APP/7.03] and the parameters of authorised development (which include maximum building heights, work areas and volumes) as set out in Requirement 7 of the **Draft DCO** [TR020001/APP/2.01], submitted as part of the application for development consent.
- 1.1.5 The design principles set out here do not seek to replicate the embedded design measures detailed within the Environmental Statement (ES) **Chapter 3 Alternatives and Design Evolution [TR020001/APP/5.01]** which have been specified in detail as part of the DCO application.
- 1.1.6 For construction related principles refer to the Code of Construction Practice (ES **Appendix 4.2 Code of Construction Practice [TR020001/APP/5.02]**) which outlines the environmental management and mitigation requirements to be implemented throughout the construction period.
- 1.1.7 This document has drawn on several documents submitted as part of the application for development consent but, for the avoidance of doubt, this Design Principles document will take precedence, in respect of governing the detailed design of the Proposed Development, as a document that is secured through the DCO.

TR020001/APP/7.09 | January 2024

1.1.8 The design principles are grouped under four main headings and several subheadings as listed below:

#### Scheme wide design principles

- a. design quality;
- b. sustainability;
- c. biodiversity; and
- d. noise and vibration.

#### **Landscape principles**

#### Works design pribasnciples

- a. site wide works;
- b. airfield works:
- c. terminal works:
- d. airport support facilities works; and
- e. highways works.

#### **Drainage principles**

1.1.9 The design principles are supported by several illustrative visualisations showing how the design of the public facing buildings could be developed to meet the design principles. The images in Section 6 are indicative and not intended to define a detailed design approach. However, they are representative of the parameters for which the DCO application seeks consent and provide an indication of the type of design outcome that would be achieved because of implementing the Design Principles at the detailed design stage.

## 1.2 Independent design review process

- 1.2.1 An independent process of Design Review will be undertaken in relation to the following elements of the Proposed Development:
  - Terminal 2 (Work No. 3b(01&02);
  - b. Terminal 2 Plaza (Work No. 3f);
  - c. Coach Station (Work No. 3d);
  - d. Luton DART Terminal 2 Station (Work No. 3g); and
  - e. The proposed hotel (Work No. 4a).
- 1.2.2 The process of independent design review will ensure that the Design Principles are applied appropriately and that the eventual built design is of an appropriate quality.
- 1.2.3 The process of independent design review will be overseen by Luton Borough Council who will nominate a Design Review Body, that will appoint a Design Review Panel.

TR020001/APP/7.09 | January 2024

1.2.4 The draft Terms of Reference for the Design Review Body and Design Review Panel in respect of the Proposed Development are set out in Appendix A.

## 1.3 Programme of Works

- 1.3.1 Requirement 5 (Phasing of authorised development) of the dDdraft DCO

  [REP8-003] confirms that the authorised development cannot commence until a written scheme setting out the planned phases for construction of the authorised development has been issued to the relevant authorities (as defined in this requirement).
- 1.3.1 This written scheme must be reviewed within five years An expected program from the commencement of development, or sooner where a substantial change to the stages of construction is anticipated. This updated scheme must also be submitted to the relevant authorities. The works for the initial five-year period will be issued to the authorities (as defined within Schedule 2 of the Draft DCO [TR020001/APP/2.01]). In addition, this information will be communicated to the wider community by the Applicant and Airport Operator publishing the information on their respective websites.
- 1.3.3 This programme of works will be updated <u>and submitted to the relevant</u> authorities on a five yearly basis <u>thereafter until construction of the authorised</u> development is complete.
- 1.3.2 1.3.4 In addition to the obligations imposed by Rrequirement 5, the information provided to the relevant authorities above will also be communicated to the wider community by the Applicant and Airport Operator publishing the information on their respective websites.and communicated as described in paragraph 1.3.1.

#### 2 SCHEME WIDE DESIGN PRINCIPLES

#### 2.1 Introduction

2.1.1 This section lists the scheme wide design principles that will apply to the whole of the Proposed Development.

## 2.2 Design quality

- 2.2.1 The design of the Proposed Development as detailed within the **Scheme Layout Plans [TR020001/APP/4.02]** has responded to the context of the landscape, neighbouring land and property uses, and has considered the need to minimise impact. The following design principles will be followed at the detailed design stage.
- The design principles set out in this document have been informed by a variety of national and local documents such as the National Design Guide (Ref. 2.513), National Model Design Code (Ref. 2.1), Airports National Policy Statement (Ref. 2.2); National Planning Policy Framework (NPPF) (Ref. 2.9)¹; Luton Local Plan (2011-31) (Ref. 2.3); Central Bedfordshire Local Plan (2015 2035) (Ref. 2.10); North Hertfordshire Local Plan (2011 2031) (Ref. 2.11) and the Dacorum Local Plan (2006-2031) (Ref. 2.12). They have been developed through the ongoing design development process and reflect responses to consultation and stakeholder engagement where appropriate.

Table 2.12-1: Design quality design principles

Reference	Design quality design principles
DQ.01	<ul> <li>The detailed design of the Proposed Development will be:</li> <li>a. visually appropriate and sensitive to place, creating an appearance that demonstrates good aesthetics as far as possible;</li> <li>b. responsive to landscape and historical character and function, landscape permeability, landform, and vegetation;</li> <li>c. sustainable, durable, adaptable and resilient;</li> <li>d. efficient in the use of natural resources and energy used in construction;</li> <li>e. operationally fit for purpose and cost effective; and</li> <li>f. compliant with all relevant safety, fire and security standards.</li> </ul>
DQ.02	The detailed design of public buildings, landscape areas, public realm and movement routes within the Proposed Development will:  a. seek opportunities to respond to the local character and identity; local heritage; and culture where appropriate;

TR020001/APP/7.09 | January 2024

<sup>&</sup>lt;sup>1</sup> Note: the Applicant has reviewed Section 12 of the updated NPPF published on 19 December 2023 and considers that the Design Principles remain consistent with this.

Reference	Design quality design principles
	<ul> <li>b. create well-designed, good quality and attractive buildings and places;</li> <li>c. create accessible and well-connected places;</li> <li>d. achieve clear distinction between public and private spaces;</li> <li>e. implement a clear wayfinding system and seek opportunities for public art installations to enhance the identity of the airport;</li> <li>f. use good quality public realm materials, furniture, and lighting; and</li> <li>g. provide well-considered parking, servicing and utilities infrastructure for all users.</li> </ul>
DQ.03	The detailed design will use good quality and robust building materials to limit the need for maintenance throughout its lifecycle. Sustainability of materials will also be considered in material selection.
DQ.04	The detailed design will provide safe and inclusive access for all users.
DQ.05	The detailed design will provide new public spaces and routes that are attractive, safe, uncluttered and work efficiently for all airport users.
DQ.06	The detailed design will specify the appearance of the Proposed Development.
DQ.07	The detailed design will consider provisions to account for groups with protected characteristic groups. This includes:  a. providing lifts; b. providing separate single-sex toilets for women and men and/or self-contained, private toilets where space allows; c. providing adequate space for prayer rooms; d. making provisions for faith and culture aware eating facilities; e. ensuring that the location of the taxi rank is in an adequate space; and f. ensuring that there is step-free access to bus stops and facilities.
DQ.08	Having regard to the setting of Luton Hoo and Someries Castle the detailed design of the visible parts of the Proposed Development from these settings will be visually appropriate, sensitive to place and responsive to the historic environment through the appropriate choice of materials, colour palette and finishes.
DQ.09	The detailed design of the Proposed Development will need to undergo a technical safeguarding assessment to ensure no unacceptable adverse impact upon navigational aids including NATS ATC equipment.
DQ.10	The detailed design of the Proposed Development will comply with the requirements of the Disability Discrimination Act (Ref: 2.6) (or equivalent legislation at the time detailed design is carried out).
DQ.11	The detailed design of Proposed Development will comply with Civil Aviation Authority CAP1228, Guidance on quality standards under regulation EC 1107/2006 (Ref. 2.7) and European Civil Aviation

Reference	Design quality design principles
	Conference (ECAC) Document in consideration to the requirements for Persons of Restricted Mobility (or equivalent legislation at the time detailed design is carried out).
DQ.12	The detailed design will be in accordance with the Construction (Design and Management) Regulations 2015 (Ref. 2.68) (or equivalent at the time), which will include consideration of all aspects of the project cycle, including maintenance requirements.
DQ.13	The Proposed Development will be of a high quality design, cost- efficient and sustainable, and will seek to minimise costs to airlines, passengers and freight owners over its lifetime.

## 2.3 Sustainability

- 2.3.1 The sustainability design principles are derived from the five sustainability strategy objectives (**Sustainability Statement [TR020001/APP/7.06]**):
  - a. protecting and enhancing the natural environment;
  - b. delivering climate resilience and business continuity;
  - c. leading the transition to Carbon Net Zero;
  - d. becoming a national hub for green technology, finance, and innovation; and
  - e. creating a place to thrive.

Table 2.2: Sustainability design principles

Reference	Sustainability design principles
SUS.01	A low energy design will generally be adopted, based on the hierarchy of minimising use, reducing waste, recycling and on-site generation.
SUS.02	Electric charging will be provided in the passenger and staff car parks and dedicated electric charging points for taxis.
SUS.03	Zero emission electric equipment or heat pumps will replace _fossil-fuel-powered fixed equipment by 2040 at the latest.
SUS.04	Detailed design will safeguard, where practicable, the ability to serve next generation (including zero emission) aircraft.
SUS.05	During design and construction, measures to reduce waste generated and resources used will be applied, including recycling of demolition waste on-site, recycling and recovery of waste, balancing cut and fill and setting waste targets details of which can be found in Waste and Resources Chapter 19 of the ES [TR020001/APP/5.01].
SUS.06	All buildings, surface access routes, taxiways, aprons and other airside and airfield assets (including drainage assets) will be designed for the climatic conditions forecast over the lifecycle of the building

Reference	Sustainability design principles
	using appropriate design guidance where available; or adaptive capacity will be built into the designs.
SUS.07	Terminal 2 buildings will be designed to 'BREEAM Excellent' status' (or equivalent at the time of detailed design) to be energy efficient with appropriate installations and equipment together with thermally efficient materials and shading. Other new buildings will be designed to 'BREEAM 'Excellent' status' (or equivalent at the time of detailed design) except where the building typology dictates that it is not practical. This paragraph is subject to SUS.15
SUS.08	Terminal 2 will aim to balance natural daylight to enhance the internal environment, whilst minimising solar radiation across the building's façade.
SUS.09	Terminal 2 will be designed to reduce heat loss and minimise energy use, in accordance with Building Regulations Part L (or other relevant and appropriate standards that are in place when the detailed design is being carried out).
SUS.10	Passive strategies for heating, cooling and lighting will be incorporated into building design for thermal efficiency, where appropriate, to reduce summer cooling including adequate Heating, Ventilation, and Air Conditioning (HVAC).
SUS.11	The Luton DART extension design will include a covered station (i.e. protected from the elements) to minimise possible heat loss.
SUS.12	Energy centre and new sub-stations will be in enclosed structures at ground level for ease of maintenance and equipment replacement. The energy centre will provide appropriate ventilation for exhaust fumes.
SUS.13	Landscape design will take into consideration climate change in the selection of appropriate species for planting and habitat creation.
SUS.14	Shaded areas across surface access areas will be included in the design e.g. the car park, bus stops.
SUS.15	Detailed design will include such water efficiency measures as are necessary, so far as reasonably practicable, to maintain water demand (excluding construction water demand) at the 2019 consumption baseline. <sup>2</sup> Rainwater harvesting and greywater re-use solutions will be incorporated in detailed designs. Potable water efficiency measures will also be incorporated in the design of buildings, in order to minimise potable water demand from the statutory undertaker.

<sup>&</sup>lt;sup>2</sup> 2019 consumption baseline' means 4.2 litres per second in respect of water demand for the airport terminals and 3.3 litres per second in respect of water demand for the airport non-terminals, as outlined in the Water Cycle Strategy (**Appendix 20.5** of the **ES [TR020001/APP/5.02]**).

Reference	Sustainability design principles
SUS.16	Existing infrastructure will be retained where feasible to minimise the need for the demolition of components and infrastructure and the associated generation of waste material.
SUS.17	Adequate provision for internal and external waste storage will be designed to allow waste segregation during operation.
SUS.18	Subject to engineering and technical requirements, new underground utilities will not be laid at shallow depths to avoid damage due to temperature extremes.
SUS.19	Above ground installations, where appropriate, will be in enclosed structures which will provide the opportunity for climate/temperature control.
SUS.20	When working in the vicinity or above the existing landfill site measures such as geotechnical improvements and bespoke infrastructure as appropriate following a risk assessment will be embedded through detailed design where practicable. Any drainage in the area of the existing landfill is to be a closed system. No discharges to ground will occur within the landfill area.
SUS.21	Measures will be used during construction to prevent erosion such as compaction of soils, phased excavation, use of temporary capping and geotextile layers where feasible. The feasibility of shallower gradients will be considered where slopes are exposed.
SUS.22	Sustainable Drainage Systems (SuDS) will be provided, where feasible, suitable for extreme rainfall events.
SUS.23	Where practicable, excavated material considered unsuitable for use under the aviation platform will be used elsewhere within the Proposed Development.
SUS.24	The detailed design of buildings will prioritise:  a. piling methods that do not create pathways and mobilise contaminants, and  b. minimising the number of penetrations through existing waste deposits.

## 2.4 Biodiversity

- 2.4.1 The Proposed Development is designed to enhance biodiversity through the delivery of at least 10% biodiversity net gain (BNG) through construction and operation of the Proposed Development.
- 2.4.2 The biodiversity design principles set out below outline the measures to be undertaken to ensure that the BNG commitment is achieved through the delivery of the Proposed Development. These principles should be read in conjunction with Appendix 8.2 Outline Landscape and Biodiversity Management Plan of the ES [TR020001/APP/5.02].

Table 2.3: Biodiversity design principles

Reference	Biodiversity design principles
BIODV.01	The landscape design for the Proposed Development will include large areas of habitat creation which will be designed and managed to ensure their target condition exceeds that of the habitats lost and delivers at least 10% BNG <sup>3</sup> .
BIODV.02	The detailed design will incorporate a buffer of semi-natural habitats, at least 15m in width around areas of ancient woodland within or adjacent to the Proposed Development. No ground works will be permitted within this buffer so that trees within ancient woodland are protected from root damage and soil compaction.
BIODV.03	The detailed design of the Proposed Development will incorporate a root protection zone to protect the roots of retained veteran/ancient trees and potential veteran/ancient trees where such trees will be retained within or directly adjacent to the Proposed Development in accordance with BS 5837 (2012) – Trees in Relation to Design, Demolition and Construction (Ref. 2.4).
BIODV.04	The detailed lighting design shall include measures to avoid obtrusive light effects and adverse impacts on biodiversity, landscape and historic character of the area. Best practice measures for consideration are outlined in Institution of Lighting Professionals (ILP) Guidance Note GN01 and GN08 (Ref. 2.8) shall include, but not be limited to the following:  a. Lighting design not to exceed design code recommendations
	for illuminance and glare and to consider best practice guidance for limiting light obtrusion effects.
	<ul> <li>b. Use of horizontal cut-off luminaires with zero tilt to avoid direct upward light.</li> </ul>
	<ul> <li>c. Lighting designs to avoid spill light beyond the task area.</li> <li>d. Luminaire aiming (or main beam angle) not to exceed 70° from nadir.</li> </ul>
	e. High-mast systems limited to 25m tall.
	<ul> <li>f. Avoid placing luminaires at the perimeter of decked car parks or other elevated structures.</li> </ul>
	g. Use of warm white light sources (with limited blue spectrum wavelengths) is preferred.
	<ul> <li>h. Use of automatic lighting controls to manage the use of lighting according to usage.</li> </ul>
	The detailed design of external lighting will include directional lighting to limit light spill onto adjacent habitats, landscape and neighbourhoods protecting the historical character of the area. The design shall consider the use of baffles, cowls and hoods where appropriate to further reduce light spill.

## 2.5 Noise and Vibration

2.5.1 The noise and vibration design principles listed below are set out to mitigate the effects of the Proposed Development.

Table 2.4: Noise and vibration design principles

Reference	Noise and vibration design principles
NV.01	The new Engine Run-up Bay (ERUB) will be designed to reduce engine noise levels at sensitive receptors. The design will be a three-sided enclosure designed to attenuate engine noise and associated blast at full-power velocities. The design of deflectors will be aerodynamically efficient to reduce air turbulence, which can affect ground running aircraft engines.
NV.02	The detailed design of fixed plant (including any static sources of noise, such as mechanical electrical and public health plant for terminal building infrastructure associated with the Proposed Development) will be in accordance with the relevant provisions of <b>Appendix 16.3</b> of the <b>ES</b> , the Fixed Plant Noise Management Plan [TR020001/APP/5.02].
NV.03	The design will include acoustic barriers as set out in the Outline Ground Noise Management Plan [TR020001/APP/8.46].
NV.04	The detailed design of buildings will prioritise piling methods which reduce noise and vibration during construction.

<sup>&</sup>lt;sup>3</sup> The measures to establish, manage and monitor areas of habitat creation within the Proposed Development are detailed within the Outline Landscape and Biodiversity Management Plan Environmental Statement, **Appendix 8.2 [TR020001/APP/5.02]**.

#### 3 LANDSCAPE

- 3.1.1 The Proposed Development will impact on the existing landscape character and on people's visual amenity during both construction and operation. The landscape design principles provide clear guidance for the future development of the Proposed Development's detailed design relating to landscape in conjunction with the scheme wide design principles listed in Section 2.
- 3.1.2 The landscape design principles listed below have guided the development of the Strategic Landscape Masterplan [TR020001/APP/5.10] and Appendix 8.2 Outline Landscape and Biodiversity Management Plan of the ES [TR020001/APP/5.02] and should be read in conjunction with these documents.
- 3.1.3 These principles will continue to guide the future more detailed design to provide a cohesive and consistent approach.

Table 3.1: Landscape design principles

Reference	Landscape design principles
LAND.01	The landscape proposals will retain, protect, and enhance valued landscape, heritage, and biodiversity features.
LAND.02	The existing connectivity between green infrastructure assets shall be improved within the landscape proposals, which will improve habitat connectivity and encourage a diversity of wild flora.
LAND.03	The Proposed Development will avoid or reduce adverse effects on valued features and in instances where features are lost or damaged, restore and enhance these features, including hedgerows and traditional field boundaries.
LAND.04	The landscape proposals will establish new areas of planting, including woodland, scrub, trees and grassland.
LAND.05	The Proposed Development will use landscaping and tree planting to provide visual screening to the airport.
LAND.06	The landscape proposals will encourage public access through the Replacement Open Space but dissuade access to the Habitat Creation area to encourage wildlife and biodiversity to thrive.
LAND.07	The landscape proposals for the Wigmore Valley Park Improvements and the Replacement Open Space will create a 'country park' character taking inspiration from the surrounding character of the area.
LAND.08	The landscape proposals will create a gradual transition from the formal park in the west towards the rural character in the east. The use of a cohesive palette of materials will link the two.
LAND.09	The landscape proposals will improve existing facilities within Wigmore Valley Park.
LAND.10	The landscape proposals will provide opportunities for unstructured or natural play and additional recreational facilities.

TR020001/APP/7.09 | January 2024

Reference	Landscape design principles
LAND.11	The landscape proposals will be designed and developed to minimise the risk of bird strike in accordance with <b>Appendix 8.4</b> of the <b>ES</b> [TR020001/APP/5.02] the Bird Strike Risk Assessment.
LAND.12	The Proposed Development will provide public realm that is inclusive and unifying, incorporating formal hard and soft landscape as well as best practice on water management.
LAND.13	The landscape proposals will provide considered circular walks and include links into wider connections, including multi-user routes and ensuring accessibility for all.
LAND.14	The detailed lighting design shall include measures as listed within BIODV.04 to avoid obtrusive light effects and adverse impacts on landscape and historic character of the area.
LAND.15	The height and massing of the Proposed Development will be responsive to site context, local character and setting.

#### 4 WORKS DESIGN PRINCIPLES

#### 4.1 Introduction

- 4.1.1 The Proposed Development has been divided into six main Work Numbers. These are described in more detail in **Chapter 4** of the **ES** [TR020001/APP/5.01]:
  - site wide major works to enable development;
  - 2. airfield works;
  - 3. terminal and associated works;
  - 4. airport support facilities works;
  - 5. landscape and mitigation works; and
  - 6. highways works.
- 4.1.2 This section lists the design principles that will apply to the Works.
- 4.1.3 Landscape and mitigations work design principles are described in Section 3 above.

## 4.2 Site wide works (Work No. 1)

4.2.1 The design principles listed below will guide the detailed design of elements which cover significant areas of Main Application Site.

TR020001/APP/7.09 | January 2024

Table 4.1: Site wide works design principles

Reference	Site wide works design principles
SW.01	The detailed design of earthworks will be in accordance with Design Manual for Roads and Bridges published by National Highways (Ref. 4.1) or other relevant and appropriate standards that are in place when the detailed design is being carried out.
SW.02	Where fill material is required to create the landform needed to enable the development, wherever possible it will be from within the site.
SW.03	The detailed design of earthworks will provide a minimum 5m offset between the design surface features and the top of any slope.
SW.04	The detailed design of earthwork slopes in fill areas will be limited to a maximum 1 in 3 (ratio of horizontal to vertical) or an engineered solution implemented where geotechnical analysis indicates a requirement_), Further controls will be considered and where the earthwork slopesy exceed 20m in height, such as a will include a half height berm.
SW.05	The detailed design of earthworks will maintain the landform at least 2m above the maximum design groundwater level.
SW.06	The design of extensions and/or diversions of utilities will not include overhead services.
SW.07	The design of all new or diverted below ground Low Voltage (LV) and comms utilities will include containment for ease of installation, maintenance and replacement. Containment will include suitable access chambers at regular intervals as required by any relevant design standards.
SW.08	The detailed design of structures will be above the water table to minimise disturbance of the aquifer and flow paths.
SW.09	The detailed design of all buildings and associated infrastructure constructed over the former Eaton Green landfill will adopt appropriate gas protection measures to ensure elimination or sufficient mitigation of risk to all pathways and receptors. Gas protection measures are to be in accordance with BS8485:2015+A1:2019 Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings (Ref. 4.2), or equivalent at the time.
SW.10	The detailed design will include lightning protection as per latest design standards on all buildings and sensitive electrical/navigation aids/communications equipment.

## 4.3 Airfield works (Work No. 2)

4.3.1 Airfield works include the expansion of the airfield for airside operations. The proposed works include the provision of the aprons and taxiways and the relocation of a number of essential airfield facilities, including the Fire Training Ground and ERUB.

4.3.2 The design principles listed below will support the objective of making best use of the runway (Ref. 4.4) and guide the detailed design of elements of the airfield works.

Table 4.2: Airfield works design principles

Reference	Airfield works design principles
AF.01	The detailed design of the proposed airfield will comply with International Civil Aviation Organisation (ICAO) Annex 14 (Ref. 4.5) or equivalent UK standards (or other relevant and appropriate standards that are in place when the detailed design is being carried out).
AF.02	New taxiways will be designed for Code E aircraft (as defined in ICAO Annex 14).
AF.03	Apron taxilanes will be designed for Code E or Code C (as defined in ICAO Annex 14) aircraft as necessary to provide aircraft routing to stands.
AF.04	All airfield pavements will be designed with Aeronautical Ground Lighting (AGL) appropriate for the operational requirements of the airport with respect to day and night operations, operations in low visibility, the promulgated instrument landing system category and in accordance with ICAO Annex 14 or equivalent UK standards (or other relevant and appropriate standards that are in place when the detailed design is being carried out).
AF.05	All taxiway and apron surface markings will be designed in accordance with Annex 14 or equivalent UK standards and Civil Aviation Authority publication CAP 637: Visual Aids Handbook (Ref. 3.13) (or other relevant and appropriate standards that are in place when the detailed design is being carried out).
AF.06	New aircraft stands will be designed as rigid pavement construction (typically pavement quality concrete). Where new aircraft stands are constructed over the existing landfill a flexible pavement solution will be used to aid future maintenance due to anticipated settlement.
AF.07	New taxiways will be designed as flexible pavement construction.
AF.08	The design will include additional taxiways to provide additional runway capacity by reducing runway occupancy times. New taxiways will include apron taxilanes and rapid exit taxiways (RETs).
AF.09	All airfield pavements will be constructed with positive drainage solutions to prevent surface run-off draining to unpaved areas.
AF.10	The Terminal 2 apron will be designed to accommodate 28 Code C stands and six Code E aircraft (with Code E aircraft operating from Multiple Apron Ramp System (MARS) stands. All aircraft parking stands at Terminal 2 will be contact stands.
AF.12	Each aircraft parking stand to be used for boarding and disembarkation of passengers will be equipped with fixed electrical ground power, advanced docking guidance equipment and emergency telephone. MARS stands will be equipped for two Code

Reference	Airfield works design principles
	C and one Code E aircraft. No equipment will be provided in the ERUB.
AF.13	Stands will be designed with a fuel hydrant system connecting to the fuel storage facility.
AF.14	Detailed design of Terminal 2 apron will include a hydrant system for fire-fighting purposes. The existing number of emergency water tanks around the runway will be retained.
AF.15	The airfield works detailed design will provide routes that provide rescue and firefighting service (RFFS) response times in compliance with ICAO Annex 14 (Ref. 4.4) from the existing Fire Station, and the existing and proposed Fire Training Ground, to any part of the operational airfield.
AF.16	The ERUB will be designed with acoustic barriers on three sides and a jet blast deflector to the rear of the aircraft when positioned for engine testing. Both the acoustic fencing and jet blast deflector will be designed to be demountable so as to facilitate relocation.
AF.17	The new Fire Training Ground will be designed with a simulator suitable for all fire categories promulgated by the airport at the time of detailed design.
AF.18 AF.18 <u>0</u>	The facilities at the Fire Training Ground will be designed to avoid penetrating the obstacle limitation surfaces as defined in ICAO Annex 14 (Ref. 4.4) or equivalent UK standards.
AF.19	The new Fire Training Ground will be designed with smoke reducing facilities and seek to minimise the impact of smoke on the operation of the airport and adjacent heritage assets as far as possible.
AF.20	The drainage system at the Fire Training Ground will be self-contained and will not discharge to surface water sewers. Impermeable sealed drainage areas will be positively drained and include secondary and tertiary containment as per CIRIA C736 (Ref. 5.9) (or equivalent at the time).
AF.21	The facilities at the new Surface Movement Radar will be designed to avoid penetrating the obstacle limitation surfaces as defined in ICAO Annex 14 (Ref. 4.4) or equivalent UK standards.
AF.22	The design will include new security fencing to demarcate the airfield boundary. Security fencing will be in accordance with BS 1722 Part 14 (Ref. 4.5) and will comply with the requirements of Aviation Security in Airport Design (Ref. 4.6) (or other relevant and appropriate standards that are in place when the detailed design is being carried out).
AF.23	The design will include jet blast deflectors to allow safe working and access at the end of apron cul-de-sacs and other locations as required.
AF.24	The detailed design will aim to minimise interference with existing airport operations and assets.
AF.25	The detailed design of external lighting will be in accordance with civil aviation requirements (ICAO Annex 14 (Ref. 4.4) so as to

Reference	Airfield works design principles
	minimise glare to pilots of aircraft in flight, or on the ground, such that they will not dazzle or confuse a pilot when approaching to land, taking off or taxiing.

## 4.4 Terminal works (Work No. 3)

- 4.4.1 Terminal works include proposed work to increase the capacity of the existing Terminal 1 and the development of Terminal 2 and all the facilities and assets required to support the operation of Terminal 2.
- 4.4.2 The design principles listed below will guide the detailed design of the terminal works. The design principles have been organised into separate tables based on the terminal area of the Proposed Development that they are associated with, for the ease of the reader.

Table 4.3: Terminal 1 and Terminal 2 and associated works design principles

Reference	Terminal 1 and Terminal 2 and associated works
T.01	The detailed design of the terminal buildings, including the Terminal 1 extension and Terminal 2 building, and associated structures and spaces will be developed with reference to relevant industry design standards and statutory security requirements including Building Regulations, the International Air Transport Association (IATA) Airport Development Reference Manual (Ref. 4.7), and Aviation Security in Airport Design (Ref. 4.6) (or other relevant and appropriate standards that are in place when the detailed design is being carried out).
T.02	The detailed design of the terminals will adopt appropriate architectural surface finishes on proposed elevations to reduce visual impact.
T.03	The new piers will be designed to ensure sufficient vehicle routes at apron level for the efficient operation of the airfield.
T.04	The detailed design of internal finishes will be robust, durable and with a design life to first major refurbishment of at least 20 years.
T.05	The detailed design will include consistent and intelligible wayfinding using international standards for icons with font height and colour scheme to aid visually impaired passengers.
T.06	The design will incorporate intuitive wayfinding. Wayfinding signs should be appropriately positioned to minimise clutter across the terminal and within the public realm. These should be positioned at the start of journeys and at key decision points to guide passengers and other users towards key destinations in the terminals and associated buildings.
T.07	Dedicated footpaths and crossings will be provided on the internal road network, to provide high quality pedestrian routes and to encourage walking.
New Terminal	1 Pier and Terminal 2 Piers

TR020001/APP/7.09 | January 2024

T.08	The Piers will be designed to ensure a direct connection between the pier and the main terminal building for easy passenger transfer.
T.09	The Piers will provide passenger facilities such as seating, WCs, baby changing facilities, water points and kiosks for food and drink.
T.10	The Piers will be designed to provide adequate width corridors and waiting areas to accommodate peak passenger volumes and smooth passenger flow. Piers will have appropriate ventilation, ensuring the health and well-being of the passengers queuing to board onto the aircraft.
T.11	The Piers will maximise the use of natural light to create a pleasant and open atmosphere. They will incorporate large windows and long-distance views of the airfield and wider landscape to enhance passenger experience, where possible.

Table 4.4: Terminal 1 works design principles

Reference	Terminal 1 works design principles
T.12	The Terminal 1 extension buildings will be sensitively designed using good quality materials that complement and enhance the existing terminal. The design will consider the scale and massing of the existing Terminal 1 buildings.
T.13	The Terminal 1 extensions with external areas on both landside and airside will be designed to optimise the interface with the outside, where practicable. The design of these structures will incorporate transparent façades to maximise natural light and views towards the airfield, and the public realm on the landside. Where appropriate, active frontages will be provided at the ground floor to create a strong visual connection with the public realm on the landside.

Table 4.5 Terminal 2 and associated works design principles

Reference	Terminal 2 and associated works design principles
Terminal 2 bui	lding
T.14	Terminal 2 building will be contemporary in character, embedding sustainable and modern design practices.
T.15	Terminal 2 building will be designed to use high quality and robust design materials that are durable, low-maintenance, and that are weather and corrosion resistant. The design will facilitate maintenance and repairs to minimise disruptions to airport operations.
T.16	Terminal 2 building floor layout will be designed to allow flexibility and adaptability to serve future needs and changes, and to accommodate changes in technology, security requirements, and airline operations.
T.17	Terminal 2 building will be inclusive by design and provide accessibility for all.
T.18	Key spaces, such as the Plaza, both internally and in the external environs, will be designed to have a distinctive place identity both for passengers and employees.

Reference	Terminal 2 and associated works design principles
T.19	Terminal 2 building floor layout design will facilitate smooth and efficient passenger flow from check-in to boarding gates and arrivals.
T.20	Terminal 2 building floor layout design will maximise natural day light and ventilation, where practicable.
T.21	Terminal 2 building floor layout design will integrate information and wayfinding.
T.22	Terminal 2 building will be designed architecturally to clearly indicate the principal entrances and to aide intuitive wayfinding. Views and pedestrian routes to the entrance will be simple, direct, and clearly defined within the landscape.
T.23	The building façade will optimise the natural light and views to the airfield and wider landscape where possible. It will include transparent materials, such as glass, providing visibility into and out of the terminal, to create a sense of openness.
T.24	Terminal 2 building detailed design will consider the ability for long-term adaptability of the façade to enable future updates in style or materials.
T.25	The ground floor of the building will provide an active frontage onto the plaza creating a strong visual relationship.
T.26	Terminal 2 building façade design will consider overall functionality of the terminal and should also be climate adaptive, taking into account ventilation, shade, and insulation during summer and winter seasons.
T.27	The scale and proportions of the facade elements will be well considered, ensuring a harmonious relationship with the overall size of the terminal.
T.28	The external and internal design will consider vertical and horizontal elements that complement the building's massing.
T.29	Terminal 2 building will be accessible for all by incorporating design features such as ramps, elevators, and other accessible features.  Additional support will be provided for people with disabilities where needed.
T.30	Terminal 2 building will support people's health and wellbeing by incorporating elements such as indoor planting, suitable food options, quiet areas for groups with different needs and wellbeing priorities.
T.31	Terminal 2 building will provide spaces designed with cultural inclusivity in mind, providing facilities such as prayer rooms for the needs of different groups.
T.32	Directional lighting and façade design will minimise night-time light pollution.
T.33	The detailed Terminal 2 building design will provide flexibility to allow for battery storage for electricity to be accommodated in the future.
Terminal 2 Pie	rs
T.34	The Terminal 2 piers will be designed to future proof the potential addition of passenger boarding bridges (PBB).
T.35	Terminal 2 and the Terminal 2 piers will be designed with minimal change in levels or ramps on each floor level.

Reference	Terminal 2 and associated works design principles	
T.36	Terminal 2 and the Terminal 2 piers will be designed to ensure that arriving and departing passengers cannot mix in airside locations within the building or on the apron.	
T.37	The Terminal 2 Piers façade will complement the architectural style and materials of the Terminal 2 building.	
T.38	The Terminal 2 Piers will be designed in modular sections to allow for flexibility in accommodating various aircraft types and gate configurations, also considering future modifications and ensuring the ability to adapt to changes in technology or airline operations.	
Coach Station		
T.39	The Coach Station will be designed to include a roof/canopy structure to provide weather protection to passengers accessing the bays.	
T.40	The Coach Station design will include a building structure for provision of services such as ticketing, waiting areas and concessions.	
T.41	The detailed design of the Coach Station will adopt muted and subtle architectural surface finishes on proposed elevations to reduce visual impact.	
T.42	Clearly signposted pedestrian routes will be provided between the Coach Station, Luton DART station, new terminal and hotel for passengers' ease of navigation.	
T.43	The Coach Station will be designed to anticipate for peak travel times and to maximise safety of passengers. The comfort of passengers will also be considered through the appropriate provision of seating while waiting at the station.	
T.44	Arrival and departure information for coaches will be clearly displayed throughout the Coach Station. Coach stands will also be clearly numbered for passengers' ease of navigation.	
Drop off zone		
T.45	The Drop-Off Zone designs will comply with Aviation Security in Airport Design (Ref. 4.6) or other relevant and appropriate standards that are in place when the detailed design is being carried out).	
T.46	Cycle parking will be integrated as part of the detail design of the Drop-Off Zone.	
T.47	The Drop-Off Zone will have direct pedestrian connections to/from the departure and arrival areas of the new terminal via the Terminal 2 Plaza.	
Terminal 2 Plaza		
T.48	The Terminal 2 Plaza will be designed to create a direct transition between the terminal, Luton DART station, Coach Station, car parks, hotel and the surrounding facilities creating a cohesive and integrated design that enhances the overall passenger experience.	
T.49	The Terminal 2 Plaza will include ergonomically designed seating, well-designed landscaping and amenities for the use of passengers, visitors and airport staff. Landscaping elements, such as trees, plants, and greenery will be integrated in the Plaza design to create an	

Reference	Terminal 2 and associated works design principles
	aesthetically pleasing environment and improve air quality whilst meeting ASIAD criteria (Ref. 4.6).
T.50	The Terminal 2 Plaza will incorporate shaded areas and shelters to protect passengers from the various weather conditions such as sun, rain and wind.
T.51	The Terminal 2 Plaza will provide key pedestrian routes along desire lines and provided at a sufficient width to accommodate the anticipated footfall and minimise conflict between movement routes and will consider opportunities for sheltered walking routes along key desire lines.
T.52	The Terminal 2 Plaza will incorporate effective lighting to create a safe and visually appealing environment during both day and night using energy-efficient and aesthetically pleasing lighting fixtures.
T.53	Ensure that the Plaza is accessible to people with disabilities by incorporating ramps, elevators, and other accessible features.
T.54	The Plaza will be designed with security in mind, incorporating measures that maintain a safe and secure environment with active surveillance and intervisibility without compromising the welcoming atmosphere.
T.55	Necessary security elements such as bollards, barriers and CCTV will be incorporated as part of the public realm design of the Plaza and considered holistically with the other adjacent facilities and assets.
T.56	Sustainable drainage and the surface water management will be incorporated into the public realm design of the Plaza.
T.57	Ease of maintenance in the design will be considered, ensuring that the Plaza remains clean, well-maintained, and operational over time.
T.58	The detail design of materials and finishes in the Plaza will carefully consider the needs of a wide range of disabilities to provide a safe, comfortable and inclusive environment.
T.59	The Terminal 2 Plaza will create a strong sense of place both for passengers and employees.
T.60	The use of the Plaza should consider opportunities to activate the public realm with supporting uses and activities.
T.61	Cycle parking will be provided in the Terminal 2 plaza to encourage active travel.
T.62	The Terminal 2 Plaza design will ensure that surface treatments are accessible to all users and that suitable shelter is provided along principal connecting routes. The positioning of signage will also be coordinated to ensure information is clear and routes are clearly demarcated.
Luton DART T	erminal 2 station and tunnel extension
T.634	The Luton DART Terminal 2 Station design will complement and continue the Terminal 1 Station design principles. It will provide lifts and escalators, as well as wide station platforms to provide access for passengers with reduced or impaired mobility. Surface treatments to the above ground area will also be accessible to all users.

Reference	Terminal 2 and associated works design principles	
T.6 <u>4</u> 5	The detailed design of the Luton DART Terminal 2 Station will adopt appropriate architectural surface finishes on proposed elevations to reduce visual impact.	
T.6 <u>5</u> 6	The above ground area of Luton DART Terminal 2 will provide an attractive gateway incorporating hard and soft landscaping that is formal in character.	
Terminal 2 sup	Terminal 2 support facilities	
T.6 <u>6</u> 7	The Energy Centre building will be positioned within the vicinity of the new terminal building and its geometry and façade will be detailed to align with the Terminal 2.	

## 4.5 Airport support facilities works (Work No. 4)

- 4.5.1 Airport support facilities works include all the facilities and assets required to support the operation of the expanded airport, including facilities such as ground operations, hangars, car parks, water treatment and fuel storage.
- 4.5.2 The design principles listed below will guide the detailed design of the airport support facilities works.

Table 4.6: Airport support facilities design principles

Reference	Airport support facilities works design principles
ASF.01	The detailed design of the airport support facilities buildings, structures and spaces will be developed with reference to relevant industry design standards and statutory security requirements including Building Regulations, IATA Airport Development Reference Manual (Ref. 4.7) (where appropriate), and Aviation Security in Airport Design (Ref. 4.6) (or other relevant standards in place at the time the detailed design is developed).
ASF.02	The detailed design of the hotel will adopt appropriate architectural surface finishes on proposed elevations to reduce visual impact.
ASF.03	Design of the hotel will maximise views and natural light, and internal acoustics will be considered to enhance guest and staff experience and comfort.
ASF.04	Floorplate configuration of the hotel will be designed to promote natural daylight and ventilation. Spaces will be designed with flexibility to adapt to changing needs, whether in response to changes in travel patterns or the evolution of hotel services.
ASF.05	External public spaces associated with the hotel will be well integrated with pedestrian routes to the airport terminal and other transportation facilities, providing convenient access for travellers.

Reference	Airport support facilities works design principles
ASF.06	The public realm around the hotel will be of a good quality and accessibility for all and provide visual and active amenity including car parking for the use of the staff and visitors. Clear wayfinding cues will be provided for guests and travellers accessing the hotel with a prominent well-defined entrance.
ASF.07	Car parking area associated with the hotel will be designed to complement the wider public realm with robust landscaping and use smart technologies to avoid the need for obtrusive signage and cluttering.
ASF.08	The design of the hotel should complement the overall configuration of the Terminal 2 environs creating a strong relationship with the surrounding transport facilities and the Plaza.
ASF.09	The detailed design of the hangars will adopt appropriate architectural surface finishes on proposed elevations to reduce visual impact.
ASF.10	The new fuel storage facility will be designed in accordance with The Dangerous Substances and Explosive Atmospheres Regulations (DSEAR) (Ref. 4.38) and/or other relevant guidance in place at the time of the detailed design.
ASF.11	The design of the fuel storage facility will include its own security enclosure.
ASF.12	The new fuel pipeline spur will be buried below ground to suitable depth in accordance with relevant guidelines in place at the time of design.
ASF.13	The detailed design of the fuel spur will reinstate all landscaping finishes to the same condition as before any works take place, recognising the location within the Green Belt.
ASF.14	The detailed design of the fuel spur will include an above ground installation (AGI). The design of the AGI will include a perimeter security fence and a new access track from the public highway in accordance with end user requirements.
ASF.15	The detailed design of car parking bays in publicly accessible car parks will be a minimum of 4.8 x 2.4m wide. Disabled bays will be 6.0 x 3.6m minimum. Through roads will be a minimum of 6m wide.
ASF.16	Façade treatment of the new Terminal 2 multi storey car park P12 will be of an appropriate visual quality, vary in relation to the orientation and respond to the surrounding context.
ASF.17	Façade treatment of the new Terminal 2 multi storey car park P12 facing the Terminal 2 building and the Plaza will respond to the architectural quality of the Terminal 2 building and the Plaza, creating an attractive environment and sense of arrival for passengers and employees. It will create a coherent design with the Terminal 2 building architecture and Plaza public realm to create a distinctive identity to the Terminal 2 environs.

Reference	Airport support facilities works design principles
ASF.18	Façade treatment of the new Terminal 2 multi storey car park P12 will allow for natural light and ventilation.
ASF.19	Upper level of the new Terminal 2 multi storey car park P12 will have canopies/roofing to support photovoltaic panels over car park P12.
ASF.20	Design and layout of the new Terminal 2 multi storey car park P12 will provide clearly visible entrances and clearly signposted routes for ease of circulation within the car park. It will be designed for ease of maintenance, ensuring that the car park can be regularly cleaned, repaired, and upgraded without causing disruptions. Well considered lighting will be provided to create a safe environment during the day and night. Lighting fixtures will be energy efficient.
ASF.21	Safe pedestrian routes will be provided throughout the P12 multi storey car park to connect the car park with the airport terminal, whilst catering for different accessibility needs. The design of the new Terminal 2 multi storey car park P12 will provide lifts that connect all levels of the car park to the Terminal 2 building. Blue badge holder parking will be provided within close reach to lifts and entrances, considering various accessibility needs.
ASF.22	The detailed design of the proposed solar panels will comply with relevant and appropriate standards in place when the detailed design is being carried out (as detailed within Section 2.3, <b>Glint and Glare Assessment [TR020001/APP/5.13]</b> to avoid unacceptable visual impacts on both ground based and airborne sensitive receptors.
ASF.23	Design of the tiered P1 multi storey car park (MSCP P1) lighting system shall consider mounting luminaires above the underside of the structural beams where possible. The objective is to use the structure as a physical barrier to horizontal plane light spill directly into the external environment. Alternatively, mitigation measures such as luminaire cowls or shields may need to be considered for this purpose.
ASF.24	Façade treatment of MSCP P1 the P1 multi storey car park will be of an appropriate visual quality, and respond to the surrounding context, including the setting of Someries Castle and Luton Hoo by adopting muted colours and material finishes to the building, minimising impact from reflective materials.
<u>ASF.25</u>	The Uupper level of MSCP P1the P1 multi storey car park will have canopies/-roofing to support photovoltaic panels over the car park. The detailed design of the solar panels will be sensitive to the setting of Someries Castle and Luton Hoo, amongst other receptors outlined in ASF.22.

## 4.6 Highways works (Work No. 6)

- 4.6.1 The **Surface Access Strategy [TR020001/APP/7.12]** for the Proposed Development sets out measures to enhance the quality of the travel experience, minimise traffic-related impacts, and encourage more sustainable forms of travel. A range of interventions are proposed to improve access to the airport for both passengers and people who work at the airport.
- 4.6.2 The design principles listed below will guide the detailed design of the highways works.

Table 4.7: Highways works design principles

Reference	Highways works design principles
HW.01	The detailed design of highways associated with the Proposed Development will be in accordance with the Design Manual for Roads and Bridges (DMRB) (Ref. 4.1), and the Local Authority Highway Design requirements for:
	Luton Borough Council;
	Central Bedfordshire Council; and
	Hertfordshire County Council.
HW.02	The detailed design of highways associated with the Proposed Development will include the completion of road safety audits.
HW.03	The off-site highways interventions will be restricted, as far as possible, to existing highway boundaries.
HW.04	The detailed design of the Airport Access Road will incorporate a low noise road surface.
HW.05	The detailed design of the Airport Access Road will include the provision of an acoustic barrier along the north-eastern side of Airport Access Road adjacent to the Holiday Inn hotel, with approximate dimensions of 132m (length) x 2m (height).

### 5 DRAINAGE WORKS

- Volume 5 ES-, 5.02 Appendix 20.4 Drainage Design Statement [TR020001/APP/5.02] describes the surface and foul water drainage infrastructure that will be designed later if the DCO is granted and such designs must reflect the principles set out in this Design Principles document.
- 5.1.2 The design principles listed below will guide the detailed design of the drainage works and should be read in conjunction with the **Drainage Design Statement** [TR020001/APP/5.02].

Table 5.15-1 Drainage works design principles

Reference	Drainage works design principles
General	
DDS.01	The detailed design of drainage will be in accordance with Design and Construction Guidance (Ref. 5.1) or equivalent at the time, unless otherwise agreed with the relevant planning authority.
DDS.02	The detailed design of inspection chambers deeper than 3m will be in accordance with the Highway Construction Details (HCD) F series (Ref. 5.2) or equivalent at the time, unless otherwise agreed with the relevant planning authority.
DDS.03	The Water Framework Directive compliance assessment is to be updated based on the drainage detailed design and WFD status (at time of submission) and issued to the Environment Agency for review. The updated WFD compliance assessment needs to demonstrate that the drainage design will not lead to deterioration (including within class deterioration) of the WFD status.
DDS.04	The Hydrogeological Risk Assessment: Drainage is to be updated based on the drainage detailed design and additional characterisation, and issued to the Environment Agency for review.
Rainwater Ha	rvesting/Water Balance
DDS.05	The detailed design will incorporate water efficiency measures as detailed in SUS.15.
DDS.06	The drainage design will include measures that maximise water reuse, such as greywater reuse and rainwater harvesting. The development of these measures would be informed by the Water Cycle Strategy (Appendix 20.5 of the ES [[TR020001/APP/5.02]]) to be revisited prior to construction with reference to guidance from Luton Borough Council, Affinity Water and the Environment Agency.
DDS.07	The detailed design will include investigation of the T1 campus and development of solutions for rainwater harvesting for the existing terminal and hangar buildings. The rainwater harvesting system will be in addition to any attenuation required to meet the required runoff rates.

Reference	Drainage works design principles
DDS.08	The detailed design of T2 will develop solutions for rainwater harvesting. The rainwater harvesting system will be in addition to any attenuation required to meet the required runoff rates.
DDS.09	Harvested rainwater will be treated as required, so that the quality is fit for the intended non-potable use.
DDS.10	The detailed design will include specification of operation and maintenance of drainage forming part of the Proposed Development, including the monitoring of water consumption during operation in agreement with Affinity Water as the regulatory local water supplier.
Tanks	
DDS.11	The detailed design will adopt tanks. Open waters will be avoided to reduce the risk of bird attraction.
DDS.12	Tanks will be designed to latest industry standards, including but not limited to the requirements of the Building Regulations 'Part H' (Ref. 5.3) and Sewerage Sector Guidance 'Design & Construction Guidance' 2019, (Ref. 5.1) or equivalent at the time.
DDS.13	The detailed design of underground tanks will adopt material specifications to provide chemical resistance and leak prevention.
DDS.14	Detailed characterisation of the hydrogeological conditions (including infiltration rates by site specific testing) is to be undertaken at the infiltration tank locations. The detailed design for the installation, and the specification of operation and maintenance, of the infiltration tanks will comply with bespoke environmental permits.
DDS.15	Total Organic Carbon (TOC) monitoring (refer to DDS. 31), or an equivalent at the time of construction, will be undertaken as a minimum to monitor for potential surface water contamination on airside aprons. Where this is detected, the flow will be diverted to the attenuation tank where it can be tested before being sent to the foul sewer or for treatment at the proposed Water Treatment Plant. Access into the attenuation tank will be required for future maintenance of the tank. The exact monitoring requirements are to be confirmed during the detailed design and are to have built in redundancy.
DDS.16	The underground tanks will be designed and built as separate modules (such as a series of parallel pipes) to facilitate maintenance. This modular approach will allow for maintenance without full decommissioning.
DDS.17	The detailed design of individual tanks will prioritise maintenance strategies which remove the need for humans to enter the tanks wherever reasonably practicable.
DDS.18	The design of storage tanks below the airfield will prioritise locations below aircraft stands so as toto avoid closure of taxiways during maintenance activities. The point load or group of point loads that the

Reference	Drainage works design principles
	tank will need to accommodate as part of the structural design will be agreed with the airport operator.
DDS.19	The detailed design will provide at least 1m clearance between the identified 1:100 year groundwater table and the underside of buried tanks and other underground structures.
DDS.20	The drainage design will consider the impacts of groundwater mounding, to ensure that the infiltration tanks do not result in groundwater flooding downstream.
DDS.21	Any residual fluids resulting from the de-icing of aircraft and hard surfaces would be collected by vacuum sweeper and/or collected by the drainage system, stored in the polluted storage tank, and discharged to the proposed water treatment plant (preference should be given to recycling of de-icing fluids, where possible) or foul network at a rate agreed with the sewerage undertaker.
DDS.22	The detailed design of the infiltration tanks will seek to maximise the thickness of the unsaturated zone beneath the bases where possible.
Drainage insta	allation in Landfill
DDS.23	All below ground installations within the area of the former Eaton Green Landfill will need to be designed to accommodate settlement including flexible jointing to allow for differential settlement across the site, and secondary containment in line with CIRIA C736 (or the equivalent at the time). All drainage infrastructure needs to be installed within the engineered cover system.
DDS.24	No infiltration is to occur in the area of the historical landfill, land affected by contamination or land where waste has been deposited.
Surface Water	Prior to the detailed design of the proposed attenuation (later storage) tank in the area of the Eaton Green landfill, the following must be undertaken:  • Survey to be undertaken on existing 750mm Thames Water Surface Water Sewer (SWS) to establish operational criteria and condition.  The following must also be demonstrated through the detailed design of the tank:  • Location, orientation and dimensional characteristics of tank to ensure no detriment to access and loading of existing 750mm Thames Water SWS  • Connection from tank to existing 750mm Thames Water SWS to ensure that no infiltration in the existing landfill area occurs  • Proposed discharge rate and flow restriction method during Assessment Phase 1 to be agreed with Thames Water (max 5l/s)  • An appropriate maintenance and monitoring plan, that would enable identification and mitigation of any potential future leakage from the tank.

Reference	Drainage works design principles
DDS.26	The detailed design of all drainage attenuation systems shall be designed for a 1 in 100 year storm period plus an increase of 40% in capacity for climate change or as appropriate at the time.
DDS.27	The detailed design of surface water drainage collector systems will be based on appropriate rainfall intensities.
DDS.28	The detailed design will apply the SuDS hierarchy following the guidance in CIRIA SuDS Manual C753 (Ref. 5.4), or equivalent at the time.  In line with the SuDS Manual, runoff is to be adequately treated to protect the receiving water body from:
	<ul> <li>Short-term acute pollution that may result from accidental spills or temporary high pollution loadings within the catchment area</li> <li>Long-term chronic pollution from the spectrum of runoff pollutant sources within the urban environment</li> </ul>
DDS.29	The detailed design, operation and maintenance of the SuDS drainage elements will be in accordance with Sustainable Drainage Systems – Non-Statutory Technical Standards for Sustainable Drainage Systems (Ref. 54.45) or equivalent at the time
DDS.30	The detailed design will consider the interface of the existing overflow pipe from the Thames Water soakaway, adjacent to Eaton Green Road to ensure its continued performance in the context of the Proposed Development. Any alterations or amendments to the existing overflow will be in accordance with the relevant Thames Water details and specifications and the relevant authorisations are to be obtained.
DDS.31	The detailed design will incorporate automated systems (with manual backup/override) to divert contaminated surface water runoff from the airfield into the foul systems including real time monitoring of surface water runoff.  The travel time between the monitors and the diversion chamber for contaminated surface water will be longer than the response time of the selected monitors.  The real time monitoring equipment is to be calibrated to the anticipated contaminant concentration ranges.  The exact monitoring systems will be confirmed with Environment Agency as part of bespoke permit application.
DDS.32	The detailed design will incorporate emergency isolation valves positioned strategically for use in the event of severe pollutant spillages throughout the site.
DDS.33	The design of storage vessels (for example in the fuel storage facility) will include secondary containment in accordance with Environment Agency requirements and CIRIA C736 (or equivalent at the time).
DDS.34	Active monitoring and discharge control will be implemented to ensure no discharge to the Thames Water foul network of attenuated contaminated surface water from Tank 1 during high flow conditions, i.e.

Reference	Drainage works design principles
	when identified existing Combined Sewer Overflow's (CSO) on the drainage route are in operation.
DDS.35	The detailed design will ensure sufficient capacity within the drainage system, and allow for sections of the drainage system to be isolated in the event of a pollution incident, such that polluted waters cannot enter the infiltration tanks.
DDS.36	The airport's Environmental Management System (EMS) will be updated to address the Proposed Development. Any EMS updates that relate to pollution prevention procedures will be shared with the Environment Agency at the detailed design stage.
DDS.37	All surface water drainage streams (including contaminated and clean surface water) will be characterised to enable the effective design of onsite passive and active treatment systems. The characterisation will include screening for contaminants that could reasonably be present from current or historic activities (including priority hazardous substances).
DDS.38	Monitoring of the existing airport trade effluent flow and loads is required to establish a baseline and inform the detailed design.
Surface Water	r - Airfield Drainage
DDS.3 <u>9</u> 8	The design of drainage assets within or adjacent to the runway, new or existing taxiways (including their associated clear and graded strips) and aprons will comply with ICAO Annex 14 (Ref. 5.3) (or other relevant and appropriate standards that are in place when the detailed design is being carried out) and will be designed to withstand aircraft loading.
DDS. <u>40</u> 39	The design of airfield surface water attenuation features which discharge directly to statutory sewers will discharge at a rate to be agreed with the statutory undertaker at detailed design stage.
DDS.4 <u>1</u> 0	The preferred solution for the discharge of contaminated surface water run-off from the airfield will be to the Thames Water foul network, at an agreed rate with the sewerage undertaker, as described in the Drainage Design Statement- (Appendix 20.4 of the ES [TR020001/APP/5.02]). If that preferred option cannot be adopted, the reserve option, as detailed in the Drainage Design Statement (Appendix 20.4 of the ES [TR020001/APP/5.02]) will be adopted.
DDS.4 <mark>2</mark> 4	In the event it is necessary to progress the reserve option as detailed in the Drainage Design Statement <b>Appendix 20.4</b> of the <b>ES</b> [TR020001/APP/5.02]], the contaminated surface water will be diverted to the on-site water treatment plant. The water treatment systems will be designed so that all discharges to ground do not contain hazardous

Reference	Drainage works design principles
	substances, as defined in Water Framework Directive (Ref. 5.8), are non-polluting and are chemically compatible with the aquifer.
DDS.4 <u>3</u> 2	Airside inspection chambers will be designed to withstand aircraft loading and adopt class F900 covers and frames.
Surface Wate	r – Landside Drainage
DDS.4 <u>4</u> 3	The site wide strategy will be to restrict the runoff from car parks to Greenfield Runoff Rate (GRR).
DDS.4 <u>5</u> 4	The design of drainage assets in landside areas will be in accordance with the DMRB (Ref. 3.1), CIRIA SuDS Manual C753 (Ref. 5.4), Water Industry Sector Guidance or other relevant and appropriate standards that are in place when the detailed design is being carried out.
DDS.4 <u>6</u> 5	Landside inspection chambers will be designed to withstand vehicle loading and adopt class D400 covers and frames.
DDS.4 <u>7</u> 6	Bespoke environmental permits will be obtained for the proposed infiltration tanks at the Main Application Site.
DDS.4 <mark>8</mark> 7	The detailed design of the permeable paving will follow the approach set out in the CIRIA SuDS Manual C753 (Ref. 5.4) using the mitigation indices for discharges to groundwater combined with risk assessment. Relevant position statements (e.g. A3, A6, G13) in "The Environment Agency's approach to groundwater protection"(Ref. 5.7) will also be considered in detail design. Infiltration based permeable paving systems will not be used in areas of potential contaminated land, or where the surface water contains contaminants that cannot be effectively mitigated through passive treatment.
Surface Water	r - Highway Drainage
DDS.4 <u>9</u> 8	The design of drainage assets in highway areas will be in accordance with the DMRB (Ref. 4.1) or other relevant and appropriate standards that are in place when the detailed design is being carried out.
DDS. <u>50</u> 49	The drainage works for the Airport Access Road and at each Off-site Highway Intervention site will be designed in line with accepted highway design standards to ensure no unacceptable increase in flood risk or potentially significant effect on local water quality.
DDS.5 <u>1</u> 0	The detailed design for the above ground surface will adopt positive drainage based on the recommended crossfalls between 1:40 and 1:60.

<sup>&</sup>lt;sup>4</sup> The term cChemically cCompatible is defined by the Environment Agency as follows in this instance means: substances being discharged should not result in a deterioration of the groundwater quality in the aquifer or pollution of the aquifer, either through the presence of hazardous substances in the discharge or the concentration of non-hazardous pollutants in the discharge, or physically alter the properties of the aquifer which could create new, or enlarge existing pathways.

Reference	Drainage works design principles
DDS.5 <u>2</u> 4	The detailed design will incorporate the use of grit traps, Class 1 oil separators and other best practice to prevent pollution of the underlying aquifer or local surface water receptors.
DDS.5 <u>3</u> 2	HEWRAT assessments are to be updated in line with the detailed designs as they are developed, with surface water and pollutant management measures implemented to prevent additional pollutant loading. Measures will be developed in consultation with the relevant local authority and EA.
Foul Drainage	
DDS.5 <u>4</u> 3	The foul drainage from the Proposed Development will, under the preferred option as detailed in the Drainage Design Statement (Appendix 20.4 of the ES [TR020001/APP/5.02]) be routed to the Thames Water foul sewer. If that preferred option cannot be adopted, the reserve option, as detailed in the -Drainage Design Strategy (Appendix 20.4 of the ES [TR020001/APP/5.02]) will be adopted where foul water is treated on site.
DDS.5 <u>5</u> 4	The detailed design to accommodate increased capacity through T1 and T2 will under the preferred option as detailed in the Drainage Design Statement ( <b>Appendix 20.4</b> of the <b>ES [TR020001/APP/5.02]</b> ) provide attenuation, as required, to prevent peak hour foul load exceeding Thames Water system capacity.
Water Treatment Plant	
DDS.5 <u>6</u> 5	The detailed design of the proposed drainage infrastructure in the lower lying areas of the Proposed Development (specifically the water treatment plant and the fuel storage facility) will consider the potential for asset failure of these elements and other essential infrastructure. The design will safeguard the operability of essential infrastructure up to and including the design standard (1 in 100-year storm period plus an increase of 40% in capacity for climate change or as appropriate).
DDS.5 <u>7</u> 6	If the reserve option is adopted, the drainage and water treatment systems will be designed so that all discharges to ground do not contain hazardous substances, as defined in WFD (Ref. 5.6), are non-polluting, and chemically compatible with the aquifer. This is due to the underlying chalk being a Principal Aquifer and the infiltration tanks being proposed within a SPZ3.
DDS.5 <mark>87</mark>	The detailed design of the water treatment plant will have built in redundancy but, in the extremely unlikely event of system failure the design shall include safeguards so that discharge to the aquifer will be halted until the water treatment plant is put back into operation.
DDS.5 <u>9</u> 8	The detailed design for the installation, and specification of operation and maintenance, of the WTP and infiltration tanks at the Main Application Site will comply with the appropriate environmental permits and authorisations that are applicable to the site.

Reference	Drainage works design principles		
DDS. <u>60</u> 59	The detailed design will include specification of operation and maintenance of the Proposed Development, including monitoring of groundwater levels and quality which would be undertaken throughout the operational lifecycle to prevent deterioration of the aquifer or significant flood risk in the area surrounding the infiltration basins; further details are provided in <b>Chapter 17 Soils and Geology</b> of the <b>ES</b> [TR020001/APP/5.01].		
DDS.6 <u>1</u> 0	The detailed design will include specification of baseline monitoring of the contaminated surface water runoff arising at the airport which is to be undertaken to ascertain the composition of the runoff and inform the treatment requirements at the proposed water treatment plant. This influent monitoring regime is to be developed with the EA and will inform future bespoke environmental permits for infiltration tanks.		
DDS.6 <u>2</u> 4	The detailed design will include specification of influent and effluent monitoring which will be continued post installation of the water treatment plant, in line with environmental permit requirements, to understand any long-term variations and to confirm the water treatment plant is operating in accordance with the design and relevant permits.  Additional monitoring may be required if the airport operator changes the de-icant products used, (if this does not coincide with routine monitoring as required by the environmental permit) to establish if changes are required to the TOC monitoring calibration in order to maintain effective detection.		
DDS.6 <u>3</u> 2	The detailed design will include specification of real-time continuous monitoring of contaminants to be undertaken throughout the lifecycle of the installation. This monitoring will ensure that any contaminated surface runoff is diverted to a storage tank before being sent to either public sewer (preferred option) or the onsite water treatment plant (reserved option) where it will be treated to an appropriate level before discharging to the underlying aquifer via the infiltration tanks.		
DDS.6 <u>4</u> 3	The water treatment plant will be designed to accommodate the anticipated volumes and loads with the design including provisions for modular construction to accommodate incremental demand.		
DDS.6 <u>5</u> 4	Access points will be designed into storage vessels to allow for maintenance.		
DDS.6 <u>6</u> 5	The detailed design will incorporate the use of Class 1 oil separators (or equivalent) down stream of surface runoff drainage collection systems where there is risk of fuel spills.		
Fire Training Ground			
DDS.6 <u>7</u> 6	Primary and secondary containment as identified in CIRIA C736 (Ref.2.9) (or equivalent at the time) will be provided for any surface water runoff from fire training activities to ensure there is no drainage to ground under any circumstances. Effluent generated from fire training activities (containing foam and hydrocarbon breakdown constituents)		

Reference	Drainage works design principles	
	may, subject to securing the necessary consents, be directed into existing public foul sewerage systems or will otherwise be tankered away for treatment off-site rates and concentrations to be agreed with the sewerage undertaker at the detailed design stage.	
DDS.6 <u>8</u> 7	The fire training ground drainage system will be designed, so that the fire training ground cannot be operated if the valves are not fully closed.	
Fuel Storage Facility		
DDS.6 <u>9</u> 8	There is to be no passive surface water discharge to anywhere outside the secondary containment in the area of the fuel storage tanks. Secondary containment around the fuel storage tanks is to be designed as per CIRIA C736 (Ref. 2.9) (including no passive discharge point from the secondary containment to soakaway). Relevant position statements (e.g. D1) in "The Environment Agency's approach to groundwater protection" (Ref. 5.7) is also to be considered in the detailed design. The drainage within the secondary containment is to be managed via an active system linked to a quality monitoring or leak trigger system to avoid contamination of groundwater. Any water contaminated with fuel leak will be tankered offsite as agreed with the sewerage undertaker at the detailed design stage.	

## 6 ILLUSTRATIVE DESIGN INTENT

- 6.1.1 The Design Principles set out above have been developed to secure good design outcomes at the detailed design stage. In support of these Design Principles, a number of illustrative visualisations have been prepared to show the Applicant's design intent in relation to the scale, massing, appearance and character of Terminal 2 and the facilities and assets required to support the operation of the terminal.
- The illustrations below are intended to provide an indication of how the public facing buildings could look and work together to create a positive airport experience for the travelling public and people working at the airport. The images are indicative and not intended to define a detailed design approach. However, they are representative of the parameters for which the DCO application seeks consent.
- 6.1.3 The illustrations below are intended to help stakeholders understand how these public buildings and spaces could look and feel.
- Figure 6.1 shows how Terminal 2, the Coach Station, the short stay car park and supporting hotel are positioned and linked together by the Plaza. This arrangement is intended to create a positive and easy to use environment for passengers, staff and other users of the airport.
- Figure 6.2 shows that the Plaza area is well lit and an inviting space for users. As well as this, Terminal 2 has large windows and solar panelling on the roof, which shows the Applicant's ambition to design the airport as sustainably as possible and to future proof buildings such as Terminal 2 for increased energy demand.

London Luton Airport Expansion Development Consent Order



Figure 6-1: Illustrative visualisation from the northeast of the proposed hotel looking towards Terminal 2 and the Plaza.

London Luton Airport Expansion Development Consent Order



Figure 6-2: Illustrative visualisation from the west of Terminal 2 showing the Plaza and access points to the Terminal as well as the side façade and solar roofing.



Figure 6-3: Illustrative visualisation of the Plaza showing the active public realm outside of Terminal 2.

6.1.6 Figures 6.3 and 6.4 show how the soft landscaping of the public realm and the active frontages in the Plaza area can create a pleasant sense of arrival. As described in the Design Principles within Table 4-3, both hard and soft materials should be used as well as comfortable seating areas to provide passengers and staff with the opportunity to stop and rest.



Figure 6-4:Illustrative visualisation showing how the Applicant envisions passengers and workers to use the high-quality public realm in the Plaza.

6.1.7 Shaded areas should be designed into the Plaza area as they provide comfort for passengers and staff, particularly during adverse weather conditions such as heatwaves and heavy rainfall. As well as this, the lifts demonstrate the Applicant's commitment to ensuring accessibility for all.

London Luton Airport Expansion Development Consent Order

Design Principles



Figure 6-5: Illustrative visualisation showing how Terminal 2 and its piers fit into the context of the existing airport.

6.1.8 The illustrative visualisation in Figure 6.5 shows how Terminal 2, and its supporting facilities can be designed to fit in well with the existing airport in terms of the massing and functionality of the airport.

London Luton Airport Expansion Development Consent Order

Design Principles



Figure 6-6: Illustrative visualisation showing the view from the Coach Station towards Terminal 2 and the Plaza.

Figure 6.6 shows how the Coach Station and its canopy could be designed to both protect passengers from adverse weather and guide them towards the Plaza. This illustrative visualisation also shows that well considered building materials can minimise the visual impact that Terminal 2 and the short stay car park have on the surrounding area.

# **GLOSSARY AND ABBREVIATIONS**

Term	Definition
AGI	Above Ground Installation
AGL	Aeronautical Ground Lighting
ASIAD	Aviation Security in Airport Development
BNG	Biodiversity Net Gain
BREEAM	Building Research Establishment Environmental Assessment Method
BS	British Standard
CAA	Civil Aviation Authority
CAP	Civil Aviation Publication
Code C (aircraft)	Aircraft with wingspan of 24m up to but not including 36m.
Code E (aircraft)	Aircraft with wingspan of 52m up to but not including 65m.
Contact Stand	An aircraft parking stand that is suitable for walking passengers to and from an aircraft from an allocated, proximate boarding gate.
DAS	Design and Access Statement
DMRB	Design Manual for Roads and Bridges
DSEAR	Dangerous Substances and Explosive Atmospheres Regulations
EA	Environment Agency
ERUB	Engine Run-Up Bay
FAA	Federal Aviation Administration
GRR	Greenfield Runoff Rate
GSE	Ground Support Equipment
HV	High Voltage
HVAC	Heating, Ventilation, and Air Conditioning
IATA	International Air Transport Association
ICAO	International Civil Aviation Organisation

Term	Definition
Luton DART	Luton Direct Air-Rail Transit
LV	Low Voltage
MARS	Multiple Apron Ramp System
RET	Rapid Exit Taxiway
RFFS	Rescue and Firefighting Service
SuDS	Sustainable Drainage Systems
T1	Terminal 1
T2	Terminal 2
TOC	Total Organic Carbon
TW	Thames Water
WFD	Water Framework Directive
WTP	Water Treatment Plant

### **REFERENCES**

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# APPENDIX A – TERMS OF REFERENCE FOR DESIGN REVIEW BODY AND DESIGN REVIEW PANEL

#### A1 General

- A.1.1.1 A process of independent design review will be undertaken for the following specified elements of the Proposed Development:
  - a. Terminal 2 (Work No. 3b (01&02);
  - b. Terminal 2 Plaza (Work No. 3f);
  - c. Coach Station (Work No. 3d);
  - d. Luton DART Terminal 2 Station (Work No. 3g); and
  - e. The proposed hotel (Work No. 4a).
- A.1.1.2 A Design Review Body with appropriate experience and resources will be nominated by Luton Borough Council\_with\_external support from a specialist organisation such as Design South East as necessary. This Design Review Body will appoint a Design Review Panel (the Panel) and oversee the process of independent design review. This process will be conducted in accordance with the 'The 10 Principles of Design Review' as set out by the Design Council in Design Review: Principles and Practice (2019), other relevant guidance such as Design South East's Design Review: A Guide for Developers, Consultants and Designers (2020) or equivalent principles or guidance in force at the time.
- A.1.1.3 The Terms of Reference for the Design Review Body and Design Review Panel are as follows.

# A2 Setting up the Panel

- A.2.1.1 The Design Review Body will appoint a multidisciplinary Panel including members with expertise across a range of relevant professional disciplines and specialists in the design and operation of airports.
- A.2.1.2 The Design Review Body will appoint a Chair and Deputy Chair of the Panel to ensure the review is managed by a highly regarded professional, who will facilitate design review meetings and enable coherent conclusions to be drawn from each review. The Deputy Chair will ensure timely review meetings in the event the Chair is unavailable.
- A.2.1.3 Additional Panel members may be appointed upon agreement between the Applicant and the Design Review Body. The Design Review Body will provide an induction to design review process and principles for new Panel members.
- A.2.1.4 The Panel members will be appointed for the duration of the element of the design in question with continuity of members maintained as far as possible.
- A.2.1.5 The Design Review Body and Panel will be independent of the Applicant.

- A.2.1.6 All Panel members are responsible for declaring any conflicts of interest or perceived conflicts of interest. The result of this may mean members leaving the Panel.
- A.2.1.7 The Design Review Body will engage with the Applicant to provide an induction project briefing and site visit for all Panel members to set the context and understanding of the Proposed Development.

## A3 Design Review Workshops

- A.3.1.1 There will be up to two workshops each for the proposed Coach Station -Work No. 3d), Luton DART Terminal 2 Station (Work No.3g) and hotel (Work No. 4a), and up to two workshops for the Terminal 2 (Work No. 3b (01&02) and Terminal 2 Plaza (Work No. 3f) which will be reviewed together due to their interrelationship.
- A.3.1.2 In bringing forward the detailed design of each -specified design element, the Applicant will engage with the Design Review Body to agree a programme of Design Review. Both parties will act reasonably to agree a workable programme without undue delay. This programme should include a design review workshop as part of the pre-application process when the draft designs are at Concept Design as per Stage 2 of the RIBA Plan of Work 2020 (Ref. 1.1) and a further second Panel meeting at developed design stage (RIBA Stage 3: Spatial Coordination) to understand how the Applicant has responded to the Panel's comments and included them within the design., with a further opportunity for expert review...
- A.3.1.3A.3.1.2 Design review workshops will be arranged at least four weeks prior to the workshop. A briefing pack will be circulated electronically at least one week prior to the workshop outlining the stage that the <a href="Proposed Development project">Proposed Development project</a> has reached and the focus of the review. This will be summarised at the start of the workshop.
- A.3.1.4A.3.1.3 Luton Borough Council will be invited to send two representatives to each design review workshop and given the opportunity to briefly outline the relevant policy position from their perspective.
- A.3.1.5 A.3.1.4 The other specified authorities may also attend the design review workshops as observers.
- A.3.1.6A.3.1.5 The Applicant and their design team will present the proposed design of element specified in Section A.1.1.1 to the Panel for them to share their feedback and ask for any clarifications. The Applicant and their design project team may be involved in further discussion to elaborate or justify the design approach but should not dominate the conversation.

<sup>&</sup>lt;sup>5</sup> "specified authorities" means Central Bedfordshire Council, Dacorum Borough Council, Hertfordshire County Council, Luton Borough Council and North Hertfordshire District Council.

- A.3.1.7A.3.1.6 The Chair or Deputy Chair will manage the Panel discussion. They will ensure that the Panel members understand the relevant aspects of the Proposed Development and that the discussion is appropriate for the stage of the Proposed Development project and within the acknowledged constraints. The Chair or Deputy Chair will also focus the review on the issues raised by the Panel. The Chair or Deputy Chair will provide a short summary at the close of the session.
- A.3.1.8 The Design Review Body will prepare a report of the review workshops which will set out the conclusions of the Panel on the strengths and weaknesses of the design and recommendations made by the Panel. The report will be signed off by the Chair or Deputy Chair and issued to Luton Borough Council and the Applicant within 10 working days of the final workshop. The report will only include reference to views or recommendations discussed with the Applicant and their design team during the workshops.
- A.3.1.9A.3.1.7 The Panel's report and recommendations will be advisory and not binding on the Applicant. However, the Applicant will explain the consideration given to the Panel's report and recommendations in a supporting design statement and Luton Borough Council will have regard to the Panel's report and recommendations in determining detailed applications in relation to the specified elements under Requirement 6 of the DCO.