- 6.1 Parameters Overview
- 6.2 Illustrative Site Layout(s
- 6.3 Visual Impact Assessment Views



6.1 PARAMETERS OVERVIEW

The proposed development seeks to provide a level of flexibility to ensure occupiers requirements can be accommodated. The Site has the capacity to up to 100,000 sqm (1,076,391sqft) of mixed Class B2, Class B8 and Class E(g)(iii) floorspace.

A parameters-based approach has been applied to the outline element of the scheme whereby the development is described in terms of clearly defined parameters, inside which future design development will be undertaken. This approach has been used across a range of infrastructure projects in order to ensure that the potential impacts of a project are properly controlled, whilst allowing for the required flexibility for future detailed design development.

The Parameters Plan (Figure 38) has been developed which encapsulates the scheme's concept and forms the 'envelope' within which future detailed design proposals will need to evolve. The Parameters Plan shows the proposed allocation of land uses as part of the proposed development.

The Site includes two principal development plots (Plot A and Plot B, which each comprise two sub-plots) and a service road zone, which have been located to provided sufficient space for accompanying landscaping as shown on the Parameters Plan. The development plots have been designed around the existing oil and gas main easement zones.

The development plots need to remain flexible and therefore at this stage it is not known whether there will be a single building or multiple buildings within Plot A and a welfare building will be delivered within Plot B2, which will be exclusively used for HGV parking.





6.1.1. EIA PARAMETERS

The following maximum and minimum EIA Parameters have been established in conjunction with the design and technical teams through the course of the design and Environmental Impact Assessment processes. These parameters have been carefully devised to ensure the proposed development, as demonstrated comprehensively in the Environmental Statement, does not result in any adverse impacts on nearby environmental receptors, including amenity for nearby residents and businesses.

They are as follows:

- 1 New vehicular and pedestrian access from the A5 Trunk Road;
- ² Public Bridleway AE45 diverted within the development site, providing an enhanced route linking Birchmoor to the proposed green infrastructure, A5 Trunk Road and local services, such as bus stops located on the A5 Trunk Road and within St Modwen Park Tamworth;
- 3 A substantial area of green infrastructure (over 9ha) principally to the north, south and east of the plots, incorporating open space, planting, landscaping, public rights of way, sustainable drainage system (SuDS) and a variety of wildlife habitats, providing a minimum development offset of 35m extending to 134m from the built development edge to the Site boundary;
- Existing peripheral vegetation retained, enhanced and strengthened to provide a robust landscape buffer;



- ⁵ Naturalistic earth mounds formed within the green infrastructure, utilising surplus cut material from the development site, to create a transitional zone between the developable area and development site perimeter and to provide visual mitigation where necessary;
- ⁶ Up to 100,000 sqm (1,076,391sqft) of mixed Class B2, Class B8 and Class E(g)(iii) floorspace;
- 7 Up to a maximum of 10% Class B2 / Class E(g)(iii);
- 8 Maximum development height of +117.8m AOD at the less sensitive westernmost Plot A1 adjacent to the M42 motorway;
- Reduced maximum development height of +113m AOD at Plot A2, north of Plot A1 closer to Birchmoor;
- 10 Reduced maximum development height of +111m AOD at the easternmost Plot B1, closer to Dordon;
- 11 Reduced maximum development height of +102m AOD at Plot B2, at the entrance to site;
- 12 Up to 150 space overnight lorry parking facility;
- ¹³ Up to 400 sqm amenity building for overnight lorry parking facility (shop, restaurant/takeaway, laundry, gym, changing facilities, showers, toilets, etc);



Creation of substantial landscaped buffer zones to the development site perimeter (in addition to the offsite areas for potential mitigation), as follows:

- **North -** an extensive landscape buffer to the north of Plot A2 extending to 134m at its widest, reducing to 75m at the closest point to Birchmoor;
- **East -** an extensive landscape buffer to the east of Plot A1 extending to 106m at its widest reducing to 49m to the north east of Plot A2, and extending to 65m to the east of Plot B1 and Plot B2 and a minimum 35m to the north east of Plot B1, where proposed building heights are lower;
- **South -** a minimum 35m to the south of Plot A1 extending to 58m in the south west corner of the plot close to J10 M42 and 35m-37m to the south of Plot B2;
- West a minimum 10m landscape buffer to the west of Plot A1 and Plot A2, where existing screening vegetation for the M42 motorway is extensive and mature.

Furthermore, a number of additional areas of land within the applicant's control are included. These areas are to provide potential landscape and visual impact mitigation and biodiversity enhancements through planting and footpath enhancements, as well as providing access to members of the public.

The accompanying ES and other technical reports and plans forming part of the application have been prepared based on the aforementioned parameters.





6.2 ILLUSTRATIVE SITE LAYOUT(S)

Although most of the proposed development seeks a permission in an outline form, the purpose of the DAS is to provide an illustrative version of the proposed development. The Illustrative Site Plans have been produced to demonstrate the possible ways in which the proposals could potentially come forward, in accordance with the controls set out in the Parameters Plans.



Lorry park



Illustrative CGI of the Hub Office

Development Plot – PLOT A

Plot A extending to approximately 20.03 hectares is located in the western part of the Site. Plot A could comprise a mix of employment (B8, B2 or E(g)(iii)) land uses with ancillary offices. The ancillary offices (where required) could be incorporated within the building(s) envelope or as distinct buildings set within a broader campus setting.

Fig 42 shows a multiunit (a large double sided unit, a single sided unit and smaller units) scheme, to be used for a predominantly storage and distribution of B8 use but with a significant of potential mixed employment use floorspace suitable for SMEs. The larger building would incorporate integral two/three storey ancillary offices.

Fig 43 shows a two unit scheme (double sided and single sided) to be used for a possible storage and distribution of B8 use, again with two/three storey offices.

The Illustrative Site Plan Fig 44 shows a double-sided unit, which would be used for a possible storage and distribution use with an ancillary three storey office.

The Site is accessed via a proposed service road off the A5 trunk road.

Maximum building heights range between 102.000m and 117.800m AOD depending on plot location and are set across the Site to respond to the underlying topography and to minimise visual impact.

Development Plot – PLOT B

Plot B is located to the east of the service road. In all three of the Illustrative Site Plans (Fig 42, 43 & 44), it is shown in use as the proposed overnight lorry park with amenity building. The proposed overnight lorry park would be a new purpose-built secure facility with time limited free parking, driver welfare and 24hr on site security, incorporating shop, restaurant / café, changing rooms, showers, WCs, gym and laundry.

To the south of the overnight lorry park is the proposed ancillary Hub Office, which would be of a high-quality design, given its gateway location at the entrance to the Site fronting onto the A5 and Public Bridleway AE45.

The multipurpose Hub Office would encompass site office for use by the security and management teams; marketing suite, during construction and letting phases; meeting / presentation rooms and computer suite, which would facilitate onsite education and training programmes associated with both construction and operation of the business park; and communal cycle parking, showers and changing facilities, for use by site occupiers, local residents and employees of neighbouring business parks, to encourage active travel and reduce traffic on the surrounding road network.



Meeting room





Fig. 42 – 4263-CA-00-00-DR-A-00078 - INDICATIVE MASTERPLAN - MULTI UNIT OPTION - P10



_	Development Site Boundary (79.97 acres / 32.36 Ha)
	Parameter Boundary
	Unit Demise Boundary
	Public bridleway (to be diverted where necessary)







-	Development Site Boundary (79.97 acres / 32.36 Ha)
_	Parameter Boundary
	Unit Demise Boundary
	Public bridleway (to be diverted where necessary)

Fig. 43 – 4263-CA-00-00-DR-A-00055 - INDICATIVE MASTERPLAN - TWO UNIT OPTION - P8





Fig. 44– 4263-CA-00-00-DR-A-00054 - INDICATIVE MASTERPLAN - SINGLE UNIT OPTION - P9



-	Development Site Boundary (79.97 acres / 32.36 Ha)
-	Parameter Boundary
	Unit Demise Boundary
	Public bridleway (to be diverted where necessary)



6.3 VISUAL IMPACT ASSESSMENT VIEWS



View 1 – Existing view looking south west towards the Site from Public Bridleway AE45, which is also representative of views of the Site from Birchmoor.



View 1 with development



6.3 VISUAL IMPACT ASSESSMENT VIEWS



View 4 – Existing view looking north west towards the Site from Public Footpath AE46, which is also representative of views from Dordon (albeit much closer up) and Open Space Transfer Site OS1.



View 4 with development



6.3 VISUAL IMPACT ASSESSMENT VIEWS





View 5 with development



- 7.1 High Quality Design Principles (HQDPs)
- 7.2 Rationale
- 7.3 Density
- 7.4 Layout, Arrangement & Scale
- 7.5 Previous Schemes
- 7.6 Preferred Scheme
- 7.7 Movement Patterns
- 7.8 Urban Grain
- 7.9 Scale and Form
- 7.10 Public Realm
- 7.11 Materials
- 7.12 Infrastructure Design
- 7.13 Drainage Infrastructure
- 7.14 Landscape
- 7.15 Ecology and Nature Conservation
- 7.16 Traffic Generation
- 7.17 Air Quality
- 7.18 Noise
- 7.19 Flood Risk
- 7.20 Geo-Environmental
- 7.21 Employment

			••••								
			••••								
			• • • •								
			••••						••••		ί,
			• • • • • • • •						• • • • •		Ι,
			• • • •								
										/	Υ.
			••••						• • • • • • • •		
			 							: /	
										•	
									· · · ·		
									/		
								:::/			
								::/			
								7			
							::7	/			
							/				
			• • • • • • • •						••••		
			••••								
						• • •					
			• • • •			• • •					
			• • • •						• • • •		



7.1 HIGH QUALITY DESIGN **PRINCIPLES (HQDPs)**

In response to the policy context and key issues outlined above, as well as the nature of the Site and surrounding environs, a series of High Quality Design Principles (HQDPs) and Design Parameters have been developed to provide an overarching framework and parameters for future reserve matters applications.

These HODPs are as follows:

HQDP 1: Responding to the climate change emergency by designing in and future-proofing sustainability from the start across all aspects of building, infrastructure and landscape design, whilst allowing for adaptation and later enhancement to meet occupier requirements.

HQDP 2: Maintaining a Strategic Gap between the development site and Polesworth with Dordon to the east, and Birchmoor to the north, utilising HE's extensive land holdings, to create a strong landscape setting with views and legible routes to and from the Site, and connecting with the surrounding landscape.

HQDP 3: Providing safe and convenient access for all users coming to and from the Site, including the local community for leisure uses, commuters, and visitors.

HQDP 4: Ensuring that prominent buildings are distinctive, distinguishable, and relate to human scale and operational requirements whilst minimising the wider visual impact. Larger warehouse elements will utilise varied ground levels and sympathetic building components to break up facades and screen service vards.

HQDP 5: Generating a uniform architectural language and design of built form to enhance legibility and wayfinding for the Site and surroundings. Creating a sense of place and respecting the distinctive and varied architecture and built form of the surrounding environs.

HQDP 6: Encouraging healthy and active lifestyles through the incorporation and enhancement of landscaping features, and linkages between the Site and surrounding area for recreation and leisure uses.

HQDP 7: Creation of a multi-functional green and blue infrastructure network, where valuable landscape features and ecological assets are enhanced, increasing biodiversity and habitat connectivity. Buildings will also contribute towards these networks and will meet the highest standard of sustainability that is practicably achievable.

The proposal seeks to provide a sustainable development for the Site and to design buildings and an

environment that meets the highest level of

sustainability and design, whilst responding to demand

and market indicators. This would be provided by a range

The development would incorporate sustainable principles for land forms, water run-off control and

The proposals would create a safe, high-quality

The completed development is intended to offer a

significant number of employment opportunities across

a range of skills and levels. This is in addition to those

enhances

7.2 RATIONALE

energy production and use.

which

generated by the construction process itself.

of unit sizes.

development

biodiversity.





Enhanced rural quality in Strategic Gap



promotes

and



Integrated Public Art

Responding to the climate change Healthy and active lifestyles

Providing safe and convenient access for al



Habitat connectivity



7.3 DENSITY

Commercial viability of the proposal has been balanced against the Site setting, the surrounding landscape, and the existing site constraints and features.

The Site does not present any significant levels change and is relatively free from constraints that restrict the development opportunities.

Development in the proximity of the A5, located at the southern end of the Site, seeks to achieve an appropriate density and focal point of the development. The development to the north of the Site, which faces the neighbouring residential area, is intended to provide a reduced scale and density with the added inclusion of significant landscape screening.

MASSING

Hard edges are located towards the edge of the Site and site boundaries enhanced further by edge treatment and landscape design of the perimeter. Massing reduced further by careful Use of colour, materials and feature elements within the elevations.

PERIMETER TREATMENT

Existing landscaping and green features are enhanced by additional landscape providing natural screening and habitat zones.

VISIBILITY AND VIEWS

Key views and local surroundings have informed landscape design and wayfinding for occupiers and visitors. Views in and out of the Site have been considered.

NOISE CONTROL

Site yard, access points and heavier used areas have been carefully considered and where practical are placed away form the boundaries.

LIGHTING

Buildings have been designed to limit any artificial light source reaching beyond the boundary.





7.4 LAYOUT, ARRANGEMENT & SCALE

To acknowledge the setting of the Site, and its characteristics, our proposals are for a quality and sustainable development providing opportunities for units of varying scale and arrangement.

The designs are intended to create attractive aesthetic to the units, accommodating a necessary individual identity, but all set within a wider framework and collective design standard, which is encapsulated in the supporting Design Guide.

Landscaping will be enhanced throughout the development, along the perimeter, demarcating plot boundaries, and along the infrastructure corridors.

The Site offers opportunity for varying scales of buildings, which will cater for the different use type and occupier requirements whilst also responding to typical industry standards.

Attention will also be given to setting the buildings within their local context, and use of appropriate materials for the locality and building type, with reference to best practice on adjacent sites and developments near to the Site.

Access, and movement around the Site will be clear and legible, and where possible will be separated.



VISIBILITY & CLEAR VIEWS

Clear views onto key elevations, and offices benefiting from views across vards and surrounding landscape.

VEHICLE SEGREGATION

Separate access / egress points provided for pedestrians, cyclists, cars and HGVs, for safety and security.

BLUE AND GREEN INFRASTRUCTURE

Enhanced blue and green infrastructure incorporated into design. Providing opportunities for bio-diversity and natural habitat whilst addressing site boundaries.

QUALITY & RESILIENCE

Building materials will be selected for their quality and durability, with careful attention to the their sustainability and environmental properties.





LANDSCAPE PERIMETER

Landscape and natural features used to protect the perimeter from noise, visual impact and generate biodiversity rich areas.

LANDSCAPING PLOT SEGREGATION Landscape and natural features used to segregate plots and provide privacy and screening where necessary.



plot and beyond.





LAYOUT	PARAMETERS &	6.0
DESIGN	APPEARANCE &	7.0

7.5 PREVIOUS SCHEMES

Some earlier sketch schemes were prepared for the Site, with a full review completed for each. These schemes are illustrated in the following section of this document.

These schemes have been useful references for a better understanding of many aspects of the Site, whilst also considering different opportunities to work with the Site's natural capital, its constraints and the opportunities the Site presents.

For each option the access road off the A5 was considered fixed, as this utilises an existing access point, which also enters the Site in a position that presents a good spilt between operational units, infrastructure and landscaping, and pedestrian routes through the Site.

The position of the infrastructure road through the Site from this point of access is also well positioned for unit size, unit split, modes of access to each plot and flexibility of the infrastructure provided within the masterplan concept.

It was felt that the development which would have the least impact of the Site's natural capital and neighbouring properties would be a scheme that reduced its scale at the northern and eastern perimeter, that provided a green corridor through the Site at the east, carefully considered the unit sizes to the north, faced yards internally or towards the M42 wherever possible, and enhanced the landscape treatment, especially to the perimeter of the Site.

Our preferred option after full appraisal of the options, was to provide a focus for the main part of the development to be towards the A5, and the central part of the Site, with yards facing inwards or towards to western, M42 boundary. We also reduce the height, scale and traffic towards the northern part of the Site, which is further minimised by the introduction of a heavy landscape buffer to the surrounding area.





7.5 PREVIOUS SCHEMES

7.5.1 OPTION 1

Units positioned centrally to the Site within two units. Both units are double-sided to provide optimum flexibility, the larger unit located closest to the main entrance reducing traffic further north into the Site. The smaller double sided unit positioned to the north of the Site with a landscaping belt to the northern perimeter facing the residential.

Landscaping is enhanced throughout but particularly to the perimeters.

Infrastructure provided through a north/south spine, with the majority of the associated car parking positioned to the eastern boundary, shielded by heavy landscaping.



1

BUILDING FOOTPRINTS

Development provided within two double sided units offering maximum market flexibility. Yards positioned on north and west perimeters, with internal

yards facing south and west. Car parking positioned predominantly towards the eastern boundary, shielded by landscaping and separated to the building by the main infrastructure road.

CONNECTIONS

 Improved connections across site to neighbouring areas.

..... INFRASTRUCTURE

Efficient arrangement of Infrastructure to reduce land required. Car parking on eastern side.

LANDSCAPE PERIMETER

Extensive new landscape introduced to provide visual screening, protect the perimeter from noise and create improved areas of bio-diversity and amenity spaces for site occupiers and local residents alike.

..... THE WATER STORY

Optimised use of natural drainage systems around the Site using SuDS and other water attenuation features.



7.5 PREVIOUS SCHEMES

7.5.2 OPTION 2

This multiunit option provides a larger double sided unit to the south of the Site, closest to the Site access. The larger unit is double-sided with yards facing east and west. The smaller unit is to the north of the Site with a northerly facing yard, buffered to the adjacent residential by a large landscaping belt.

Smaller units have been positioned between the infrastructure road and the eastern boundary creating a smaller scale of development within a new landscaping belt to the east and connected to the neighbouring areas via pedestrian access points.



Fig. 49 – Option 2

LANDSCAPE PERIMETER

.

.

Extensive new landscape introduced to provide visual screening, protect the perimeter from noise and create improved areas of bio-diversity and amenity spaces for site occupiers and local residents alike.

BUILDING FOOTPRINTS

Development provided within two units. Larger unit double-sided for operational flexibility, car parking to west of the unit. Single-sided unit positioned to the north of the Site with a northerly facing yard, car parking to the east. Smaller units positioned to the west of the infrastructure road, providing options for smaller operators.

INFRASTRUCTURE

Central infrastructure road provided away from boundaries. Reduced length due to unit positions.

CONNECTIONS

Improved connections across the Site to neighbouring areas.

THE WATER STORY

Optimised use of natural drainage systems around the Site using SuDS and other water attenuation features.



7.5 PREVIOUS SCHEMES

7.5.3 OPTION 3

This option builds on previous options but provides the floorspace within two units. The scheme reinforces the natural features of the Site, enhancing the perimeter landscaping and biodiversity and introducing improved connectivity across the Site, and to surrounding areas.

Landscaping belts are carefully placed to 'buffer' the more extensively used vehicular areas of the development, and extensive vegetation and carefully selected local provenance vegetation is introduced to the north of the Site to minimise any impact to neighbouring residential areas.

The building footprints have been positioned closest to the main access road and motorway, away from the residential areas.



CONNECTIONS

Improved connections across site to neighbouring areas.

BUILDING FOOTPRINTS

Development provided within two units. Larger unit double-sided for operational flexibility, car parking to north of the Site, yards away from residential areas and positioned to the east and west.

INFRASTRUCTURE

......

.

Efficient arrangement of Infrastructure to reduce land required. Extensive landscaping around main infrastructure.

LANDSCAPE PERIMETER

Extensive new landscape introduced to provide visual screening, protect the perimeter from noise and create improved areas of bio-diversity and amenity spaces for site occupiers and local residents alike.

THE WATER STORY

Optimised use of natural drainage systems around the Site using SuDS and other water attenuation features.



7.0~APPEARANCE & DESIGN

7.5 PREVIOUS SCHEMES

7.5.4 OPTION 4

This option builds on previous options but provides a smaller strip of development to the north of the Site creating a visual and acoustic buffer. Yards to this part of the development will also be positioned facing into the development, further reducing any potential impact to neighbouring residential areas.

Yards to the two larger units are either facing inwards or to the western M42 boundary and internal infrastructure road.

A small strip of vehicle parking has been provided east of the infrastructure road, and towards the eastern boundary. This is visually shielded by a new large landscaping zone to the eastern boundary.

A prominent entrance feature can be created at the southern boundary and main site access, with excellent opportunities for high quality elevational treatment to the development façade.



Fig. 51 – Option 4

BUILDING FOOTPRINTS

One unit development provided as a double-sided unit offers operational flexibility. Car parking to north of the plot. Smaller strip of development to north, acting as visual buffer to main development. Single-sided unit to south of the Site, yard inward facing. Vehicle parking zone provided east of the infrastructure road.

..... LANDSCAPE PERIMETER

Extensive new landscape introduced to provide visual screening, protect the perimeter from noise and create improved areas of bio-diversity and amenity spaces for site occupiers and local residents alike.

..... CONNECTIONS

Improved connections across site to neighbouring areas.

INFRASTRUCTURE

Single infrastructure road provided, with extensive landscaping around main infrastructure route.

THE WATER STORY

Optimised use of natural drainage systems around the Site using SuDS and other water attenuation features.



7.5 PREVIOUS SCHEMES

7.5.5 OPTION 5

This option builds on previous options but provides the Development within one single footprint.

The yards are facing away from the northern elevation and, instead, allow this area to be taken for cars and extensive landscaping.

To the northern boundary the Site is further enhanced by a landscaping bund reducing any potential negative impacts to the surroundings.

A prominent entrance feature can be created using the whole southern elevation, and the unit facing the entrance.





BUILDING FOOTPRINTS

One unit development provided as a Double-sided unit. Offers operational flexibility. Car parking to the northern side of the unit reduces heavy traffic to this area. Heavy landscape belt acts as visual buffer to the main unit. Yards face towards the M42 and new estate road.

LANDSCAPE PERIMETER

Extensive new landscape introduced to provide visual screening, protect the perimeter from noise and create improved areas of bio-diversity and amenity spaces for site occupiers and local residents alike.

CONNECTIONS

Improved connections across the Site to neighbouring areas.

INFRASTRUCTURE

Single infrastructure road provided, with extensive landscaping around main infrastructure route.

THE WATER STORY

Optimised use of natural drainage systems around the Site using SuDS and other water attenuation features.



7.6 PREFERRED SCHEME

The preferred scheme has been developed from the initial Design Principles and concept, taking into account all the appraisal information as set out in previous sections.

The plan opposite shows the key elements of the scheme - the south part of the Site, which is an ideal opportunity for a gateway feature, addressing the A5 and the main entrance to the Site, set within new landscaping and water attenuation features along the majority of the southern boundary/frontage.

A central spine, estate road runs through the centre of the Site in a south to north direction with all main access points serviced from this, and to the east, a zone that includes very few built forms, with just amenity space and HGV parking set within an extensive belt of new landscaping. This area also includes the new footpath re-directed through the landscaping.

To the north of the Site the ground is raised and bunded, with a row of small-scale development running across a large part of the northern elevation in a east to west configuration. This acts as a visual buffer to the main development, and is itself shielded by an extensive area of landscape and new planting.

This preferred option, and the principles that it delivers, also apply for the two main buildings to be combined into one double-sided unit.

7.6.1 USE AND AMOUNT

The schemes are illustrated later.

Blocks HE 330 & HE 635 would be suitable for large format distribution/warehouse users, while the smaller units at Block A to the north are suitable for mixed warehouse / workshop / light industrial uses, targeted at local businesses and SMEs.



BLOCK A Total 9,315sq.m

BLOCK HE 635 Total 59,018sg.m

> BLOCK HE 330 Total 30,630 sq.m.



7.7 MOVEMENT PATTERNS

7.7.1 VEHICLES

The main route for vehicles entering the Site is the single distribution estate road running through the Site on a south to north orientation, after entering the Site almost in the centre of the south boundary, using an existing access position off a new controlled upgraded intersection at the A5.

The access route runs through the Site connecting to the three main development blocks to its left.

7.7.2 PEDESTRIANS

Pedestrians will either be workers for the incumbent businesses who will come from the bus stops (currently located on the A5 close to the Site) or the local village/s; or will be leisure walkers using the public footpath through the Site, the route of which will be amended to accommodate the development and improve facilities for walkers.

For 'working' pedestrians there are footpaths proposed on either side of the main vehicle route to ensure integrated movement patterns and safety for users, as well as a highly legible environment which is easy to navigate regardless of mode of travel.

Further links are provided through the Site, around the whole perimeter, and to routes connecting the local villages.



Fig. 54 – Movement Pattern Drawing

7.7.3 CYCLISTS

Cyclists may follow proposed vehicle routes, although dual use cycleway/pavements would be provided to either side of the estate road. They may also use the existing public footpaths and bridleways, which are proposed to be upgraded to allow access by all non-motorised users. Parking for bikes – employees and visitors – will be provided near unit entry points. Communal cycle parking and showers/changing rooms would be provided at the ancillary Hub Office.







Fig.55 – Park Entry Point at A5





LAYOUT	PARAMETERS &	6.0
DESIGN	APPEARANCE &	7.0

7.8 URBAN GRAIN



7.8.1 PRECEDENT

The urban grain of this proposal follows two patterns for industrial units, both of which are found locally. Precedents for the small scale units to the north of the Site are found for instance at Core 42 Business Park and St Modwen Park Tamworth (west of Trinity Road).

Larger format precedents are found at nearby developments, including Birch Coppice Business Park, St Modwen Park Tamworth (east of Trinity Road) and Core 42 Business Park, as well as several other business park sites as also shown opposite.

7.8.2 LARGER UNITS

The larger format units are similar to adjacent developments such as St Modwen Park on the opposite side of the A5, and also positioned close to the A5 and M42.

7.8.3 SMALLER UNITS

The smaller units which are set behind the larger units, and are positioned at the northern part of the Site, are set within landscaping. These provide a smaller grain layout and a transition between the larger format units and the nearby finegrain residential to the northern site perimeter.





Illustrative CGI - Larger unit



7.9 SCALE AND FORM

7.9.1 BUILDING HEIGHTS

The building heights vary between the small and larger units.

The larger units are located within development zone A1, having a height of up to 117.8m AOD).

The smaller units in the development zone A2, located at the northern end of the Site will have a height of up to 113m AOD.

The development zone to the east of the Site which includes B1 and B2 is proposed to have heights of up to 111m AOD for B1 and a hub office on B2 with a height of up to 102m AOD.

7.9.2 BUILDING FORM

The forms of all the larger buildings will have a style typical of buildings of this type, with shallow pitch, and keeping the overall height of each building fairly level.

The smaller buildings will have either a flat roof or shallow pitched roof, portal frame style. All the buildings will have metal-clad walls and roofs with areas of fenestration at entrances and office areas contributing to more complex aesthetics in these areas.

7.10 PUBLIC REALM

7.10.1 ACCESS ROAD AND PEDESTRIAN ROUTES

The street-based areas of public realm within the Site will be landscaped and designed to be safe and welloverlooked from the office areas of the proposed buildings.

Where the pedestrian routes leave the vehicle route, they will go through landscaped areas which separate the larger format units

7.10.2 ENTRANCE

The entrance to the scheme along the A5 will include a planted buffer zone within a large area dedicated to water attenuation and Sustainable Drainage Systems (SuDS). This area of landscaping will help to establish an attractive sense of arrival and direction for visitors. It will be supplemented by attractive building facades and entrance feature to the A5 connection.



Il.		
N/A		
1.1		
123		
XX		
2		
- 81		
L		
17		
11		
11		
11		
/		
/		
	Development Site Boundary	
	Piot A2 - up to 113m ACD	
	Pict B1 - up to 111m AOD	
	Plot 82 - up to 102m ACD	
	Zone for green infrastructure to include	
	road & SuDS	
	Bublic heldenase to be developed where	
	necessary)	
	both side	



7.11 MATERIALS

The Illustrative Scheme takes as its visual language a typical contemporary palette of possible materials, colours, textures, and formal relationships of building elements to suggest how buildings of industrial and logistics use might be developed on this site.

Such buildings, in a grouped context within a site such as this, undoubtedly benefit from referring to a shared character identity. This promotes attractive building forms which use attractive and durable materials. The buildings will largely utilise metal cladding to walls and roofs, but these can be differentiated by the use of varying colours, patterns, textures, and banding.

Large walls can be visually syncopated by introducing elements such as solar shading, entrance features and elevational focal points. The use of contrasting colour, or ensuring areas of ventilation, openings or glazing are carefully and coherently designed, will also positively contribute to the buildings' appearance.

Often relatively low glazing content in buildings of this type means that where there is glazing – namely in and around entrances and office areas - it is coherent and clear, and used as a feature element. This can be further stressed by attention to glass type, frame colour, sun shading, opening shape and size and so on.

7.11.1 WAREHOUSE ELEVATIONAL TREATMENT

Light coloured cladding can also be used at higher levels of the building to minimise visual impact of upper walls and eaves.

Our approach to materials takes reference from nearby developments of a similar type, and particularly the approach taken at Core 42, albeit a higher standard of sustainability and energy efficiency given the stated ambition for the Site. The warehouse elevational design is tested with multiple options considering proportion, composition and style, which has led to the style currently proposed. This favours a combination of cladding tones, accentuating entrances and key zones on the elevations, along with lighter colours to the top bands of the elevations which will serve to reduce the overall visual impact and massing of the buildings.



Fig. 58 – Illustrative Elevations



7.11.2 OFFICES ELEVATIONAL TREATMENT

Offices would be approached with a similar design methodology to that of the warehouse.

The offices provide an opportunity to express a strong feature on the elevations of the building, and a human scale, along with an opportunity for wayfinding main entrances, public space and interest.

The office elevations would have a clear relationship to the operations that take place within, and should follow the same design principles, and material selection, colour and texture as the main warehouse.













		(*****
and .		







	TERS &	
DESIGN	TERS & APPEARANCE &	7.0
DESIGN	TERS & APPEARANCE & ACCESS FOR	7.0 8.0
DESIGN ALL Y	TERS & APPEARANCE & ACCESS FOR SUSTAINABILIT	7.0 8.0 9.0
DESIGN ALL Y	TERS & APPEARANCE & ACCESS FOR SUSTAINABILIT SUMMARY	7.0 8.0 9.0 10.0

7.11.4 ILLUSTRATIVE CGI



Fig. 61 – Illustrative CGI



LAYOUT	PARAMETERS &	6.0
DESIGN	APPEARANCE &	7.0

7.11.4 ILLUSTRATIVE CGI



Fig. 62 – Illustrative CGI





LAYOUT	PARAMETERS &	6.0
	ANCE &	
ALL	ANCE & ACCESS FOR	8.0
ALL	ANCE & ACCESS FOR SUSTAINABILIT	8.0 9.0
ALL	ANCE & ACCESS FOR SUSTAINABILIT SUMMARY	8.0 9.0 10.0



Fig. 63 – Illustrative CGI



LAYOUT	PARAMETERS &	6.0
DESIGN	APPEARANCE &	7.0

7.11.4 ILLUSTRATIVE CGI





Fig. 64 – Illustrative CGI of the Hub Office

									÷	
				-	-	æ	-	Ξ	-	
					-		-	-		
			٠	٠		٠	٠			
		٠	٠	٠	٠	٠				
	-	÷	2	-	-	7				
	Ŧ	-	-	-	-				_	
٠	٠	٠	٠	٠	٠	۰	٠	٠		
	٠	٠	٠			٠	٠	٠		
Ξ	-	-	-	-	=	Ξ.	-	~		
=		-	-	-	-	-	٠			
٠	٠	٠	٠	٠	٠	٠				
÷	÷.	÷	÷		-	-				
-	-	-	-		-					

LAYOUT	PARAMETERS &	6.0
DESIGN	APPEARANCE &	7.0

7.11.4 ILLUSTRATIVE CGI



Fig. 65 – Illustrative CGI



DESIGN	APPEARANCE &	7.0



DESIGN AND ACCESS STATEMENT - Land North - East of Junction 10 M42, North Warwickshire



Fencing and Security



Dock Loading Doors


7.12 INFRASTRUCTURE DESIGN

Detailed planning is sought for the Site access road, with all other strategic infrastructure serving this development sought in outline at this stage – this is inclusive of the internal estate road, footways/cycleways, surface and foul water drainage and hard landscaping.

7.12.1 ROADS

The main distributor site road which serves the Site from the newly formed junction on the A5 will be built to adoptable standards. The road will typically be;

- 7.3m carriageway width with segregated turning lanes to suit the development requirements.
- 3.0m footway/cycleways.
- 0.5m grass verge at the back of the footways to facilitate the street lighting.

7.12.2 FOOTPATHS / CYCLEWAYS

There will be provision for pedestrians, cyclists and other non-motorised vehicle users to access the development along the main spine road. The development will also require a diversion of an existing bridleway, currently connecting the A5 to the north of the Site. This will be diverted along an enhanced corridor comprising of bunding and landscaped planting. Where this network of footpaths crosses the vehicle carriageways there should be dropped crossings and tactile paving provided.

All footpath and cycleway construction specifications shall be in accordance with the WCC standard details.



LAYOUT	PARAMETERS &	6.0
DESIGN	APPEARANCE &	7.0

Fig. 67 Movement Pattern Drawing



7.12.3 ACCESSES

The access to the individual plots shall be built in accordance with all relevant local authority and current DMRB guidance. This should include:

- Sufficient spacing between accesses to avoid conflict on the main distributor road.
- Where the width of the crossing is deemed unsafe, a pedestrian refuge shall be provided.
- All accesses, planting and street furniture shall be located outside of the visibility splays from each individual access.

7.12.4 HARD LANDSCAPING

A significant earthworks operation will be required to construct the development platforms, involving initial stripping the topsoil of the Site and placing this in strategic bunds to the north and the east of the Site. These will be formed with soft slopes in order to replicate a natural environment, trees and understory will be planted on the slopes to improve the overall aesthetics, and primarily they will act as buffers to screen the development from the local area.

The remainder of the earthworks will be balanced in order to provide the most sustainable solution, with the no material import and export at this stage. Retaining walls are not envisaged to be required in the most part, however, where unavoidable these will be designed as crib, gabion and / or green walls to integrate the feature within the landscape.



Landscaped retaining feature wall



Retaining wall

7.13 DRAINAGE INFRASTRUCTURE

7.13.1 SURFACE WATER

All surface water from the Site would mimic the existing flow paths and connect to the existing manhole which forms part of the culverted watercourse in the south west corner of the Site. This ultimately discharges to Kettle Brook to the west of the M42.

A new Sustainable Drainage Strategy will be produced to serve the development. In accordance with best practice guidance, the design will aim to reduce flood risk downstream to the wider catchment and neighbouring properties. In order to do this, the Site would discharge at

greenfield runoff (Qbar) for all rainfall events up to and including the 1 in 100 year plus 40% climate change event. This flow rate is sufficiently low as to negate any significant downstream flood risk, and is a significant betterment to the higher existing flows in extreme rainfall events. In line with the drainage hierarchy, due to the Site conditions and constraints, neither infiltration nor discharge to a watercourse are feasible for this development.

The design basis for this development will be to include as many SuDS techniques viable for this type of development in line with the SuDS management train (CIRIA 753). The Site has been designed to include vast landscaped areas which minimise runoff in line with prevention guidelines. Rainwater harvesting will be incorporated into the scheme where possible at detailed design. Surface water will be conveyed from the development plot to attenuation pond(s) in the southern landscape corridor.

Pollution control to tackle the most common contaminants (i.e., oil/petrol/diesel from vehicles) will be in the form of Bypass Separators for the car park areas, and Full Retention Separators for the HGV Service Yards, which offer a higher level of protection. All separators will be alarmed and remotely monitored at all times to ensure reliability over the development lifespan.

7.13.2 FOUL WATER

Foul flows will be collected by an independent network and discharge to the nearest foul sewer located to the east of the development adjacent to the A5. The dry weather flow has been estimated to be 1.75 l/s based on experience of this type of development. This will be pumped to the outfall via a newly constructed pumping chamber at a rate of at least 5.25 l/s in line with the standards set out in Sewers for Adoption. A Section 106 Agreement will be applied for and agreed with Severn Trent Water at detailed design stage.

7.14 LANDSCAPE

7.14.1 PLANTING

Trees in soft landscape areas require a minimum of 2.5 metre wide beds, whilst trees within hard standing such as pavements or car parks should be designed using a GreenBlue Urban or similar construction below ground to ensure successful establishment and longevity.

All trees should be positioned to ensure adequate topsoil volumes are provided.

Underground services, street lighting columns and CCTV sight lines should be designed so as not to compromise trees and other planting.

Minimum Specification Requirements: Trees

- 16-18cm (Extra Heavy Standards) 425-625cm or larger.
- Clear stems to 2m close to parking bays or paths.
- Underground guyed in hard paved areas; double ٠ staked or underground guved elsewhere.
- Irrigation pipes and Aeration to be included especially in hard paved areas.
- 75mm depth bark mulch to base in soft landscape beds.
- Species Refer to section 7.14.3.

Where appropriate, hedge planting adjacent to car parks and site boundaries could be used instead of fences. Where fences are required these could be reinforced with evergreen or deciduous screen hedges. For greater impact where budget allows 'Instant' hedging is to be used in either formal locations or close to building entrances.

Minimum Specification Requirements: Hedge Planting

- Minimum of 10L containerised or instant hedging.
- Double staggered (350mm centres/ 450mm offset).
- 75mm depth bark mulch IV. Long lived species only (E.g. No Lavender, Hebe, etc.).
- Species Refer to section 7.14.3.

7.14.2 WETLAND PLANTING

Water features with permanent pools of water may be planted with emergent and submerged vegetation on shelves along their shoreline and in shallow, marshy zones. This can enhance treatment processes and biodiversity.

Features, such as meadows or swales, which may occasionally dry out may be better planted as wildflower meadows allowing the variety of species found in the mixes to adapt to the situation.

All water features should be designed to ultimately look natural and visually appealing as far as possible.

Minimum Specification Requirements: Wetland Planting

- Seeding for Wetland areas to be 'Emorsgate EM8, Meadow Mixture for Wetlands Mixture' sown at 4q/m²: or as approved by BCC Ecologists.
- Seeding for marginal planting to be 'Emorsgate Seeds' EP1 - Pond Edge Mixture' sown at 4g/m²; or as approved by BCC Ecologists.
- Marginal and aquatic planting to be a minimum 9cm pots (subject to density) and sourced from British suppliers.
- Wetland planting works should be carried out in April/ May to ensure plants are not grazed off by wild fowl.
- Further design guidance should be sought from the SuDS Manual by Ciria.
- Species Refer to section 7.14.3.

7.14.3 SPECIES LIST

Woodland Plant Suggestions:

Acer campestre - Field Maple *Betula pendula* - Silver Birch *Corvlus avellana* - Common Hazel Prunus avium - Wild Cherry Quercus robur - English Oak *llex aquifolium* - Common Holly Prunus spinosa - Blackthorn Viburnum opulus - Red Guelder Rose

Street Tree Suggestions:

Acer campestre 'Streetwise' - Field Maple 'Streetwise' Betula pendula 'Jacquemontii' - Silver birch 'Jacquemontii' Carpinus betulus 'Fastigiata' - Common Hornbeam 'Fastigiata' Prunus avium - Wild Cherry

Hedgerow Plant Suggestions:

Corylus avellana - Common Hazel Crataeous monogyna - Common Hawthorn *llex aquifolium -* Common Holly *Prunus spinosa* - Blackthorn *Rosa canina* - Dog Rose

Ornamental Shrub Suggestions:

Cornus sanguinea 'Midwinter Fire' - Dogwood 'Midwinter Fire' Choisya ternata - Mexican Orange Blossom Euonymus fortunei 'Emerald 'n' Gold' - Spindle 'Emerald 'n' Gold'

Spiraea japonica 'Anthony Waterer' - Japanese spirea 'Anthony Waterer' *Viburnum Davidii* - David viburnum

Ornamental Plant Suggestions:

Lavandula anguistifolia 'Hidcote' - English lavender Stipa tenuissima - Mexican feather grass Verbena bonariensis - Argentinian vervain Salvia officinalis - Common sage Hebe 'Autumn Glory' - Shrubby Veronica

Woodland Understorey Suggestions: Cornus sanguinea - Common Dogwood Crataegus monogyna - Common Hawthorn



7.14 LANDSCAPE



Fig. 68 – Illustrative Landscape Plan



Meters 1:2500

20	PROPOSED ORCHARD THEE PLANTING
	PROPOSED REINPORCEMENT / NEW NATIVE HEDGEROWS
1	PROPOSED ORNAMENTAL PLANTING
64.5	PROPOSED SHRUE PLANTING
a str	PROPOSED WET GRASSLAND AND REED BEDS
Ser.	PROPOSED WLDFLOWER MEADOW
	PROPOSED SPECIES-RICH GRASSLANDS
	AGRICULTURAL LAND TO BE RETAINED
	OPEN SPACE TRANSFER DESIGNATION
-	PROPOSED WAREHOUSES
-	PROPOSED OFFICE HUB
21	PROPOSED MAIN ROADS
-	PROPOSED MINOR ROADS
D	PROPOSED PARKING
	PROPOSED FOOTWAYS
	EXISTING/ DIVERTED PUBLIC RIGHTS OF WAY
	PROPOSED OFFLINE FOOTWRY/ CYCLEWRY
	PROPOSED RECREATIONAL ROUTES
	PROPOSED FITNESS TRAIL

LEGEND

EXISTING HEDGEROW

EXISTING CONTOURS

PROPOSED DRAINAGE BASIN

PROPOSED TREE PLANTING

		٠	٠	٠	٠	1
	- 4		٠	٠	٠	
			٠	٠		
			÷			
		-	17.			
		-	-			i
			÷	÷	÷	Ē
		-	Ξ	z	-	
222	1.5	-	Ξ	-		
111		-	-			

1.0 2.0 INTRODUCTION PLANNING CONTEXT

.O ITE & ONTEXT

4.0 Dommunity Engagement

5.0 SITE FVALUATION

6.U PARAMETERS : LAYOUT

7.0 APPEARANCE &

8.0 ACCESS FOR

> 9.0 SUSTAINABILIT

> > 10.0 SUMMARY

7.14 LANDSCAPE



Fig. 69 – Illustrative Landscape Plan

The buildings have been located in, and close to, the south-western corner to minimise potential visual effects on residents on the edge of Birchmoor and Dordon, and to maintain a sense of separation between the settlements and the proposed commercial units.

Public open space and earth mounds, which would be planted with mixed native trees and understorey, have been located to the north of the proposed commercial units to filter views from the settlement edge of Birchmoor.

Recreational routes have been distributed throughout the proposed woodland to encourage exercise and retain connections between Birchmoor and Watling Street.

Earth mounds would be created to the east of the proposed commercial units, which would be densely planted with mixed, native trees and understorey to help screen and filter views and to reinforce the sense of openness within the remaining arable landscape to the east. These mounds, along with the woodland planting, would be designed to avoid the high pressure gas pipeline and planting would be in accordance with image 1.

Existing native tree and shrub planting along the western boundary of the Site would be reinforced to screen views from the M42 and beyond.

Native specimen trees, native hedgerows and ornamental shrub planting would be planted amongst the road network to soften the hard façade and connect the larger habitats to the north and south.

Drainage basins, located near to the entrance of the Site, would comprise of wetland meadow and reed planting. this introduces additional habitat and increases biodiversity.

Formal planting located at the Site entrance and adjacent to the ancillary Hub Office reflects the character of the planting located within nearby commercial sites.

500



7.14 LANDSCAPE



DESIGN AND ACCESS STATEMENT - Land North - East of Junction 10 M42, North Warwickshire



An area of publicly accessible landscape would be provided along the western edge of Dordon to screen existing housing, present along the ridgeline, and to create a soft green edge to the settlement. It is proposed that this area should include orchard planting and would provide a connection from the existing public right of way network to the proposed area of replacement green space identified within the Local Plan and allow the provision of circular walking routes.

Copses of mixed native trees would be provided, where appropriate, at the corners of existing fields to reinforce the local character and help to filter views of the proposal from the settlement edge and public rights of way.

Proposed area of open space transfer identified within the Local Plan (Site OS1), including reprovision of Birch Coppice Allotments and Birch Coppice Social Welfare Centre and playing fields.

Existing pheripheral vegetation, including mature and veteran trees and hedgerows to be protected and reinforced with native species and planting.

New and enhanced treelined / hedgerow-lined public rights of way through the Strategic Gap for pedestrians, cyclists and riders on horseback. Footpaths to be Equalities Act 2010 compliant so suitable for all.



500

7.14 LANDSCAPE

New mixed native woodland and understorey screens views of the proposed commercial units from the north.

To encourage a range of fauna and flora, the woodland should comprise of rides, glades and woodland edge habitat.

A native hedgerow breaks up the hard surfaces and softens the impact of the commercial units. species.

Bulbs such as bluebells, crocuses and daffodils to be planted within the woodland to provide seasonal interest and habitat.

Activity zones are located along the trim-trail to encourage exercise.

Fig. 71 – Illustrative Landscape Plan

See section 7.14.3 for typical woodland species.





7.14 LANDSCAPE

Ornamental shrubs and native hedgerows provide structure and seasonal interest throughout the year.

Wetland meadow and reed planting will attract a range of additional wildlife to the Site.

Wildflower meadows provide colour and habitat during the warmer months, whilst requiring little annual maintenance.

> Ornamental planting provides a welcoming and attractive entrance to the ancillary Hub Office and also attracts pollinators.

An avenue of street trees formalises the entrance, and through careful species selection will also provide seasonal interest.

Fig. 72– Illustrative Landscape Plan

PROPOSED SEASONAL BULBS	
PROPOSED BUILDINGS	
PROPOSED MAIN ROADS	
PROPOSIES MINOR ILOADS	
PROPOSED PARKING	
PROPOSED FOOTWAYS/ CYCLEWAYS	
DIVERTED PUBLIC RIGHT OF WAY	

PROPOSED STREET TREES PROPOSED NATIVE HEDGEROW PROPOSED ORNAMENTAL SHRUBS PROPOSED DRNAMENTAL PLANTING PROPOSED WILDFLOWER MEADOW PROPOSED AMENITY GRASSLAND PROPOSED REEDS AND WETLAND MEADOW PROPOSE PROPOSE PROPOSE

LEGEND

RED LINE BOUNDARY

EXISTING TREE AND SHRUB PLANTING

PROPOSED NATIVE, WOODLAND UNDERSTOREY

PROPOSED NATIVE WOODLAND

7.14 LANDSCAPE

7.14.4 SECTIONS



Fig. 73 – Illustrative Section Through Eastern Landscape Zone



Fig. 74 – Illustrative Site Extract-Section Through Eastern Landscape Zone



Fig. 75 – Illustrative Site Extract-Key Plan



7.14 LANDSCAPE

7.14.4 SECTIONS



Fig. 76– Illustrative Typical Section Through Site Road

Tree and shrub planting helps to soften the impact of the car parks and commercial units Linear planting along the roads help to connect larger habitats



Fig. 77 – Illustrative Site Extract-Typical Section Through Site Road



Fig. 78 – Illustrative Site Extract-Key Plan

SCALE: 1:100 AT AD



7.14 LANDSCAPE





7.15 ECOLOGY AND NATURE CONSERVATION

7.15.1 BACKGROUND

The Site has been subject to a range of ecological survey work during 2020 and 2021, in order to identify the broad habitats present and inform initial consideration of likely constraints and considerations associated with the proposed development. In addition, specific surveys in regard to common reptile species and wintering birds has been undertaken. Pre-application advice was obtained from Warwickshire County Council in order to inform the scope of ecological survey and assessment work undertaken.

Based on the available information reviewed, there are no identified statutory or non-statutory ecological designations within or adjacent to the Site, whilst all such designations are sufficiently separated from the Site that they are unlikely to provide a significant constraint on the development.

The habitats forming the internal areas of the Site are formed almost entirely of intensively managed arable land. Internal boundary features are limited to a small number of grassland corridors/paths, which support common species typical of arable boundaries, without mature structural or woody vegetation and do not pose a constraint on the proposed development. Mature boundary hedgerows and planting are present at the Site boundaries, including a small number of trees, whilst the proposals incorporate substantial buffers of vegetation to the Site boundaries, minimising any potential long term effects of the proposals on associated receptors and providing the opportunity for substantial new habitats and enhancements to be provided.



Fig. 80 - Habitats and Ecological Features



7.15 ECOLOGY AND NATURE CONSERVATION

New habitats will be created using native species common to the local area and designed to maximise biodiversity value. Further, the proposals have been assessed using the WCC biodiversity offsetting metric calculator tool, based on the Parameters Plans and associated assumptions and considerations, which shows an overall significant net gain in 'biodiversity value' to be achievable at the Site in respect of habitats (+30% against an existing policy requirement of 10%) and linear features (+158%).

In terms of fauna, similarly the majority of the Site is unlikely to provide particular potential for protected faunal species due to the intensively managed arable nature. A number of precautionary mitigation measures have been identified where appropriate in order to ensure that faunal species are fully safeguarded.

Accordingly, with the exception of ongoing implementation of the identified precautionary mitigation measures, potential current ecological constraints and considerations in relation to the Site are likely to be extremely limited. Where appropriate, the proposed layout has been designed to take into account key ecological features, constraints and concerns. Indeed, the proposals will incorporate substantial new wildlife habitats and enhancements which (subject to appropriate safeguards and implementation during the construction period) will provide substantial benefits for wildlife at the Site in the long term.





Fig. 81- Ecological Constraints and Opportunities



Hedgerows





LAYOUT	PARAMETERS &	6.0
GN	ARANCE &	
GN	ARANCE & ACCESS FOR	8.0
GN ALL Y	ARANCE & ACCESS FOR SUSTAINABILIT	8.0 9.0
GN ALL Y	ARANCE & ACCESS FOR SUSTAINABILIT SUMMARY	8.0 9.0 10.0

7.15 ECOLOGY AND NATURE CONSERVATION

7.15.2 OVERALL BIA CONSIDERATION

Overall, on the basis of the WCC offsetting metric, including local guidance, it can be concluded that, subject to appropriate detailed landscape design and planting information, along with the provision of the measures set out (including offsite enhancement measures, as detailed at the proposed illustrative landscape design plan), a substantial calculated increase in in biodiversity units within the Site would be achievable under the proposed parameters, with an indicative 'score' of approximately +19.26 'habitat biodiversity units' (representing an identified gain of approximately 30.3%) and +9.66 'linear biodiversity units' (representing an identified gain of approximately 158%) identified based on the information and assumptions set out.

The vast majority of habitats at the Site that are to be affected are of extremely low quality (intensive arable land), the loss of which to the proposals (as previously set out) would be of no wider ecological significance. Indeed, the detailed design of the substantial landscaped areas in accordance with the proposed Design Guide, along with the proposed additional enhancement measures within the adjacent offsite land would result in significant environmental enhancement, including specific benefits for a range of faunal species and benefits to wildlife in the long term.

In addition, in line with the information set out elsewhere, a number of faunal enhancements are proposed under the scheme, including provision of bird and bat boxes, insect hotels, and refugia/hibernacula, along with wildlife interpretation boards, which together are anticipated to provide further gains in biodiversity at the Site. It is not possible to quantify faunal enhancement measures within the WCC calculator and accordingly these are therefore considered additional to the calculated Net Gain figures using the tool.

On this basis (and subject to detailed design, including the final detailed landscape planting information at the appropriate stage and implementation of the permitted scheme, including long-term management), there would appear to be no requirement for further measures or biodiversity offsetting in regard to the proposals. Through the provision of over 15.5 hectares of landscaping both on and off site, comprising over 9 hectares of new habitats on site and over 6.5 hectares of habitats off site, the proposals have the potential to deliver a substantial biodiversity net gain on site, in excess of the 10% requirement, and therefore fully accords with Policy LP16 of the North Warwickshire Local Plan.

Significant biodiversity net gains of +30% for habitat biodiversity and +158% for linear biodiversity.



Wetland features





Wildflower meadow



LAYOUT	PARAMETERS &	6.0
LAYOUT DESIGN	PARAMETERS & APPEARANCE &	6.0 7.0
LAYOUT DESIGN ALL	PARAMETERS & APPEARANCE & ACCESS FOR	6.0 7.0 8.0
LAYOUT DESIGN ALL Y	PARAMETERS & APPEARANCE & ACCESS FOR SUSTAINABILIT	6.0 7.0 8.0 9.0
LAYOUT DESIGN ALL Y	PARAMETERS & APPEARANCE & ACCESS FOR SUSTAINABILIT SUMMARY	6.0 7.0 8.0 9.0 10.0

7.16 TRAFFIC GENERATION

As set out in the Transport Assessment (Appendix 6.1 of ES Volume 3), the proposed development would be served by a new signal controlled all-movements access junction at the A5. The proposed access layout has been designed in accordance with published guidance from National Highways (NH), acting as the Highway Authority responsible for the A5 carriageway.

Details of the proposed development peak hour traffic generation have been agreed with officers at both Warwickshire County Council (WCC) and NH and the resulting movements assigned to the surrounding highway network using the strategic traffic model that formed the basis of the Local Plan assessment.

The Site is currently served by a reasonable level of infrastructure to accommodate predicted journeys by walking, cycling and public transport modes. However, the Applicant is committed to delivering enhancements and, as such, the proposed development would deliver a range of substantial accessibility improvements, particularly for walking and cycling journeys, that would benefit all site users as well as nearby business parks and residents more broadly.

These improvements include upgraded bus stops for routes along the A5 and at Birchmoor, provision of signal controlled pedestrian/cycle crossing facilities within the Site access, upgrading of existing footpaths within the Site and adjacent land to provide much improved pedestrian and cyclist links that avoid J10 M42 and A5 corridor, an offline footway/cycleway linking J10 M42 and Dordon, and delivery of a continuous shared footway/cycleway link that extends throughout the scheme connecting the A5 to Birchmoor. Access by public transport is also achievable via linked trips through the two rail stations at Polesworth and Wilnecote.

Further details are set out in Section 8 of this DAS.



7.17 AIR QUALITY

The Site is not located within an Air Quality Management Area.

A baseline modelling exercise has been carried out for the proposed development, accounting for the identified sensitive receptor locations included in the operational phase assessment. The baseline modelling exercise was informed by local authority monitoring data, including diffusion tubes along the A5, a review of local emissions sources, a review of DEFRA background pollutant concentrations and identification of nearby ecological conservation sites and designated habitats.

Potential construction phase air quality impacts from fugitive dust emissions were assessed as a result of earthworks, construction and trackout activities on vehicles visiting the Site. Based on the current local air quality in the area, the proximity of sensitive receptors to the roads likely to be used by construction vehicles and the likely numbers of construction vehicles and requirements for Non-Road Mobile Machinery (NRMM) that will be employed across the proposed development site, the impacts are considered to be negligible and thus not significant.

Dispersion modelling was undertaken in order to predict pollutant concentrations at sensitive locations as a result of emissions from the local highway network both with and without the proposed development in place.

Review of the dispersion modelling results indicated that predicted air quality impacts as a result of traffic generated by the proposed development were not significant at any sensitive location (e.g. residential dwellings) in the vicinity of the application site.

The residual impacts of the proposed development on local air quality will be of negligible significance which is adjudged to be not significant.

It is considered that the use of good practice control measures, secured by a Construction Environmental Management Plan (CEMP), would provide suitable mitigation for the proposed development to ensure that the potential construction phase impacts remain at an acceptable level. The CEMP can be secured by precommencement planning condition by NWBC.





The changes in pollutant concentrations attributable to traffic emissions associated with the operational phase of the proposed development (i.e., impacts on local air guality) are predicted to be of negligible significance and adjudged to be not significant. Future users of the proposed development will not be exposed to concentrations that exceed any of the relevant air quality objectives. However, the below measures (which form part of the proposals) will facilitate local air quality enhancement:

- A sustainable FTP aiming to encourage occupants to • adopt travel behaviour in favour of sustainable travel modes such as public transport, which would be of benefit to local air quality.
- The provision of electric vehicle and bike charging • stations, with optional extra future charging points available.

7.18 NOISE

The development parameters ensure significant 'no development' buffers will be enforced.

The distance between the settlement boundary / nearest residential dwellings to the Site in Birchmoor and the maximum extent of the developable area is between 145m and 85m. The development parameters ensure significant separation between the developable areas of the Site and the surrounding residential areas to ensure an acceptable level of residential amenity is maintained.

The methodology for assessing the effects of noise and vibration was agreed with NWBC's Pollution Control Officer. The assessment comprised an assessment of construction noise and vibration and development generated noise and road traffic noise during operation.

Operational noise break-out from the proposed development has been assessed for service yard/haulage operations and car park use.

Baseline noise level surveys were undertaken to establish the prevailing levels and noise environment at the following locations, which were selected as representative of the closest existing noise-sensitive receptors:

- Birchmoor Village
- Dwellings on A5 Watling Street •
- Dwellings of Birchmoor Road

Having modelled anticipated noise impacts during construction and operational phases of the development against the recorded baseline noise levels, the construction and operational phase impacts are considered to be not significant at the closest existing noise-sensitive receptors.



As no significant effects are currently identified, mitigation measures are not considered warranted for the reasons outlined above. Additionally, a robust design capacity of 25% has been assumed for both daytime and night-time periods; should a lower intensity of use be exercised at night-time then noise levels could be reduced from those presented in this assessment and the need for mitigation unwarranted.

Once a detailed masterplan(s) is put forward in subsequent reserved matters applications, then such matters may be investigated further.

7.19 FL OOD RISK

The Environment Agency Flood Zone mapping (Fig. 83) shows the Site located entirely within Flood Zone 1 and therefore the area is considered not to be at risk of flooding.



Fig. 83 – Flood risk map



7.20 GEO-ENVIRONMENTAL

Phase 1 and 2 Site Investigations have been undertaken, with reports (refs: 70530-1 and 70530-2 Rev 2) submitted as part of the planning application documents.

Following the recommendations of the desk-based assessment (Phase 1), intrusive investigations (Phase 2) were carried out (including window trial pits and cable percussive boreholes) to develop a ground model that summarises the ground investigation data, and highlight any uncertainties, and provide a geo-environmental appraisal for the Site and the proposals. A series of recommendations are set out in the Site Investigation reports.

In summary, the ground conditions are well suited to the type of development proposed which has several advantages:

- The Site is characterised as characteristic situation 1, meaning no ground gas protection measures are considered necessary;
- The underlying Halesowen Formation would be a suitable bearing stratum for shallow foundations, which are far less intrusive and energy intensive than other forms of foundations;
- The Site has a concrete classification of Design Sulphate Class DS-1 and an Aggressive Chemical Environment for Concrete as AC-1, meaning no special precautions are necessary.

7.21 EMPLOYMENT

As the detailed layout and configuration of the buildings will be confirmed at reserved matters stage, the precise number of employees to be recruited to the Site is not yet known. However it is anticipated that the proposed development could create between between 776 to 1,295 full time equivalent (FTE) net additional jobs at the local level with an additional 471 to 786 FTE jobs at the regional level (based offsite). Taken together, the proposed development could support up to 2,081 FTE permanent jobs throughout the region.

It is normal for such employment to take place over two or three shifts throughout a 24-hour period and will call for a range of skills including managerial, office, technical, semi-skilled and unskilled positions. Further information can be find within the Socio-Economic Chapter of the ES.



Window sampling



The proposed develop level

The proposed development will create new additional jobs at the local



- 8.1 Introduction
- 8.2 Approach to Inclusive Desigr
- 8.3 Key Access Considerations And The Implementation Of Inclusive Design
- 8.4 Site Access
- 8.5 Pedestrians and Cyclists
- 8.6 Car Parking



8.1 INTRODUCTION

The following access statement sets out the proposed strategy to create an inclusive environment for all users of the proposed development. The statement covers both the access strategy for the Site and the accessibility details for any new buildings within the development.

8.2 APPROACH TO INCLUSIVE DESIGN

It is self-evident that all buildings should be designed so that all members of society can use them. Consequently, the development proposals will be designed to accommodate the needs of all of its users, irrespective of age, gender or disability.

All new and existing public footpaths, public bridleways, footpath / cycleway and pavements to be designed to be the Equalities Act 2010 compliant, to provide access to all (e.g., mobility impaired, mothers with prams, etc) (subject to the agreement of WCC Rights of Way Team).

8.3 KEY ACCESS CONSIDERATIONS AND THE IMPLEMENTATION OF INCLUSIVE DESIGN

Key access considerations for the Site include:

- vehicular and pedestrian approaches to the Site;
- circulation routes around and links through the Site;
- the provision of adequate and well-located disabled parking;
- the provision of adequate and well-located cycle parking;
- appropriate and current design relating to the entering and exiting of the buildings;
- the provision of adequate facilities within the development.

The implementation of inclusive design within the scheme is carried out through considered responses to these access issues.

To ensure that inclusive design remains a strong feature of the scheme, the considerations outlined above will form an integral part of the design process once the masterplan enters the detailed design stage.





Public transport



Cycle paths

Accessible parking





8.4 SITE ACCESS

The proposed development site will be accessed from the new service road off A5 Watling Street. In terms of the accessibility of the Site and existing pedestrian, cycle and public transport facilities, the Site is located within a reasonable walking distance of nearby bus stops, allowing employees access to regular bus services. This includes the 766, which serves a number of the surrounding towns and villages and stops both at the Dordon Island and also within the adjacent Birch Coppice Business Park. The proposals include for upgrades to the existing bus stops on the A5 to the south and at Birchmoor, to encourage travel to work via bus.

Access to the respective buildings for HGVs would be via dedicated lorry access slip roads from the internal site distributor road, with queuing space provided on approach and individual plot gatehouses. Gatehouses with barrier-controlled entry and exists would be provided to all but the smallest SME units. Ducting would be provided to 25% of lorry parking space for fully electric and hybrid electric vehicles, to future proof the development.

The overnight lorry parking facility would have a barriercontrolled access and egress located along a circulatory one-way system with entry likely to be in the north and the exit in the south of the Site.

Access into the respective buildings for would be via the dedicated car park access slip roads from the internal site distributor road, with spaces for parking disabled users provided adjacent to office entrances. Electric vehicle (EV) charging points and rapid charging points would be installed to 10% of car parking spaces, with ducting provided to a further 15% to future proof the development – 25% in total.

Dedicated motorcycle shelters would be provided to accommodate motorcycles.



8.5 PEDESTRIANS AND CYCLISTS

The buildings and their immediate surroundings, including external works to and from the proposed car park areas and building approaches, will be designed to be accessible by all staff and visitors.

Best practice design ensures that access is available to all regardless of any special mobility problems or restrictions. Level thresholds, gentle slopes or ramps and ambulant disabled stairs will therefore be designed in as standard.

On site facilities for cyclists will be provided with sheltered secure storage facilities, conveniently located adjacent to the unit entrances. Bicycle parking would be provided in excess of the North Warwickshire Borough standard.

The design will ensure safe access for wheelchair users to all appropriate areas of the buildings.











8.6 CAR PARKING

Car parking will be provided at ground level for the whole development as shown on Illustrative Site Layout(s). The number of spaces serving each building/unit have been provided to meet North Warwickshire Borough Council's parking standards, ensuring that peak demand is accommodated without any overspill.

The submitted Transport Assessment identifies minimum cycle parking requirements for each unit, which would be in excess of the North Warwickshire Borough standard. Cycle parking would comprise a range of parking facilities, including indoor / outdoor parking, secure parking, covered parking and e-bike charge points, located at or close to pedestrian entrances.





- 9.1 Sustainability
- 9.2 Building Performance
- 9.3 Carbon Footprint Reduction Measures
- 9.4 Sustainability Measures
- 9.5 Waste Strategy



9.1 SUSTAINABILITY

In order to meet the stated ambition for the Site to ultimately deliver "The Greenest Business Park in the West Midlands", all buildings are to be designed and constructed in accordance with the highest standards of sustainability, codes of practice, legislation, statute, planning policy and guidance. In order to deliver on this ambition, a series of HQDPs and Design Parameters have been prepared, which would form the basis of future developments and ensure that scheme benefits are delivered in practice. Details of these HQDPs and Design Parameters are set out in the submitted Design Guide, which can be conditioned to any future planning application.

9.2 BUILDING PERFORMANCE

All buildings to be designed to achieve a BREEAM rating of 'Excellent' and Energy Performance Certificate 'A' Rating. All speculative buildings to be designed to UK Green Building Council's Net Zero Carbon Ready standard.

BREEAM®

9.3 CARBON FOOTPRINT **REDUCTION MEASURES**

The following features may assist in the reduction of the carbon footprint of the buildings:

- Triple skinned factory assembled rooflights to the warehouse/optimised natural light
- Rainwater Harvesting for use in toilet flushing and ٠ other non-potable applications

- Excellent air tightness
- Regionally sourced planting
- Energy efficient lighting
- Rockfon ceiling tiles, organic paints, carpets with 80% recyclable yarns
- Low flush volume WC's and low water use spray taps
- Responsibly sourced timber
- Dyson Airblade/ high efficiency hand driers
- Building Management System.



9.4 SUSTAINABILITY MEASURES

Detailed below are example Sustainability Measures that could be incorporated into the development base build, an optional list also details further enhancements that incoming tenants could consider.

9.4.1 BASE BUILD

Ultra high efficiency Internal LED Lighting with **PIR/Dimming controls**

The office lighting shall be ultra high efficiency LED with in excess of 100 lumens/circuit watt. This is combined with presence detection and daylight linking controls (for two rows near windows). The life expectancy of the LED fittings is in excess of 50,000 hours.

Ultra high efficiency External LED Lighting

The external lighting shall be ultra high efficiency LED with in excess of 110 lumens/circuit watt. The fittings shall be fixed to the building and on Lighting columns (8/10mm AFFL.). Each fitting shall be fixed in horizontal plane with max 5 degree tilt with upward spill in compliance with ILE Dark Skies policy. Each LED fitting will have a life expectancy of over 50,000 hours.

Main Office Rain Water Harvesting Systems

External below ground rainwater harvesting systems shall be provided to the main office. The water will be utilised for urinal and WC flushing greatly reducing tenants' water usage on these items by approximately 30-40%.

Sensor Taps/Low Flush WCs

Sensor taps shall be provided to the office toilet facilities for further water savings. Low flush WCs (4/6 Litres) shall also be provided which when combined with rain water harvesting systems will mean lower water usage.

Major water leak detection

Each incoming water position to the building shall be monitored with alarm links to the BEMS, picking up any out of range readings/leaks. This is an early warning to visual leak system prior detection.

Air source heat pump for heating/cooling

The Main Office and Transport Hub office's heating and cooling shall be provided by Air Source Reverse cycle heat pump VRV/VRF High Efficiency heat recovery systems.

The Air Source heat pumps shall as a minimum have the following excellent efficiencies:

- Heating SCOP 4.5
- Cooling SEER 5.5



Variable speed drives on Pumps/fans

Variable speed drives will be installed on pumps and fans to match the fan/pump flow rates with the actual requirements. This saves on electricity usage and CO₂ emissions.

Heat Recovery Air Handling Units

Heat recovery air handling units will be installed for all fresh air ventilation requirements in the occupied spaces with a minimum 73% heat recovery efficiency, and provide 12 litres/sec/ person of air which is better than Building Regulations requirements. The Specific Fan Power shall be in accordance with Part L2 of the Building Regulations and The Non-Domestic Building Services Compliance Guide 2013 of 1.9 watts/l/s, all air handling units and fans to be ErP 2018 compliant.

Excellent airtightness of building - in excess of Building **Regulations requirements**

The building shall obtain an excellent air tightness which greatly exceeds 5 m3/(m2·h) @50 Pa requirement of building regulations. This will reduce the warehouse heating costs and thus gas usage and CO₂ emissions.

15% Roof lights

The warehouse will be provided with 15% GRP rooflights which will be evenly distributed on the north/south facing roof slopes.

This will provide an excellent daylight factor of approx. 3% which when combined with daylight controls reduces the, electricity usage and CO₂ emissions of the warehouse lighting installation. In addition to the rooflight, translucent panels will be provided above the dock doors to further enhance the natural light available.

High efficiency hand driers

The male/female and ambulant toilets shall be fitted with high efficiency hand driers (e.g., Dyson Airblade V hand driers) which are 80% more energy efficient than standard driers. They are also 35% guieter and dry the hands in 12 seconds.

Electric car chargers

At least 10% of car parking spaces will be provided with Electric car charging stations in the main car parks. Duct/Power infrastructure shall be installed to a further 15% of spaces facilitate extension by the Tenant to meet the projected increase in Electric vehicles on the road forecast in the next 20 years.

Insulated level access/dock loading doors

Insulated roller shutter level access and dock loading doors with dock shelters to improve both energy efficiency and working conditions by sealing off the vehicle during loading/unloading.

Recyclable structure and cladding system

Use of recyclable structure (e.g., steel portal frame) and cladding system (e.g., aluminium 'built up' cladding system), allow building to be easily recycled when it comes to the end of its operational life cycle.

Low environmental impact / bio-based materials

Use of low environmental impact and bio-based materials that also provide good insulation (e.g., woollen insulation or hempcrete blockwork) can significantly reduce inherent carbon associated with buildings.

9.4.2 FUTURE TENANT ENHANCEMENTS

Ultra high efficiency warehouse lighting with Davlight/presence detection

The warehouse lighting will be LED with efficiencies in excess of 150 lumens per circuit watt. The warehouse lighting will benefit from daylight control and presence detection to greater enhance the energy savings and reduce building CO₂ emissions. The LED fittings will have a life expectancy of over 50,000 Hours.

9.4.3 OPTIONS FOR FURTHER CONSIDERATION

Large scale roof mounted Photo Voltaic system

The roof structure will be enhanced to facilitate the fitting of a large scale roof mounted photovoltaic system. The PV system would be sized to match the Tenants Electricity usage profile for maximum efficiency. There are funded and non-funded options up for consideration.

This would significantly reduce the extent of the building electricity usage and provide a large CO₂ saving.







Battery storage linked to Photo Voltaic system

As a boost to the Photo Voltaic system a Tesla (or equal approved) large scale battery storage system could be provided. The Tenant would enter into a paid frequency balance agreement with National Grid.

The batteries would be charged by the PV installation and would discharge at the optimum times to realise monies from National Grid. They can also be discharged for TRIAD avoidance to save additional charges on electricity suppliers bill.

CO₂ sensors for meeting rooms

Installing CO₂ sensors for large meeting rooms and training facilities would mean that the air required would match the actual occupancy of the room. The greater the CO₂ the larger the air volume. Additional motorised dampers would need to be fitted to each room which would be controlled via the readings from the CO₂ sensors.

Office's Built environment analytics (BEA)

A Thorlux "SmartScan" lighting system or equal with wireless sensors could be installed, this system is inclusive of sensors that enable heat mapping of main office areas and monitoring of office temperature/humidity and CO₂ levels via sensor fitted to emergency exit signs.

Additional analytics that could be measured:

- External air quality sensors Monitoring air quality ٠ and particulates in line with WELL standards
- Noise sensor ٠
- Dock door



Large scale battery storage system



CO2 sensors for large meeting rooms



"SmartScan" wireless lighting control system

BEA objectives

The objective of the BEA is

- following functionality;
- number of sites).
- emissions.
- using predefined roles.
- to advise when triggered.
- software installation

External Lighting Control air lux

The external lighting installation is generally controlled via timeclock and photocell. This is fairly basic and does not give the Tenant much flexibility or the opportunity for further energy savings.

The Control air lux is a Mesh based system where each individual fitting is controllable from a Tablet/Phone. The Tenant can then set the required Lux levels to match shift patterns whilst enabling much greater control (individual luminaires/groups). The Mesh system also provides performance data for each fitting/hours run etc.

Greater electricity savings can be realised by dimming individual fittings.

to provide real time and historical data for the end user and Landlord to monitor and improve the operations/environment within the building with the

An intuitive user interface that can be operated by a wide range of users even without specific training.

An analytics engine that allows for simple ratios, regression analysis, benchmarking across large portfolios (a key benefit for clients with a large

• Tracking of energy efficiency projects and their impact in terms of consumption, cost and carbon

Unlimited users per account, with the ability to restrict access and interaction on a per user basis

An alerts functionality that allows users to set upper and lower consumption limits to trigger email alerts

Simple, online setup with no requirement for desktop

9.5 WASTE STRATEGY

A Site Materials Management Plan (SMMP) will be prepared to minimise construction waste from the earthworks, in addition to a commitment to topsoil and subsoil cut and fill balance across site to avoid the need for these materials to be disposed of or removed from / imported to the Site.

In addition, a Site Waste Management Plan (SWMP) will be prepared to minimise construction and operational waste from site. This document will provide a framework for the creation of individual Waste Management Plans bespoke to each building, as and when future reserved matters applications are submitted. There are ambitious targets for the reduction of waste during the construction period which would be facilitated by the use of responsible methods of construction.

Construction and demolition waste are expected to be managed through a private waste contractor(s). In the design stages, measures will be implemented to reduce of waste wherever possible considering modular design, materials procurement and offsite fabrication.

On-site, at construction stage, plans will be implemented to reduce impacts of waste through mitigation measures such as on-site segregation, staff training and overall materials management on-site.

The detailed SMMP and SWMP will be prepared at future design stages which will provide a comprehensive approach to how mitigation measures will be implemented, as well as potential waste savings at each stage. Compliance with the SMMP and SWMP(s) could be secured through planning condition(s) and requirements passed onto the main contractors within the contract for the works.



Construction and demolition waste from the Site to be minimised





This Design & Access Statement supports an outline planning application submitted on behalf of Hodgetts Estates to support the creation of *"The Greenest Business Park in the West Midlands".* As stated at the outset, this aspiration is derived from the Applicant's commitment to achieving a very high bar in terms of sustainability and mitigating climate change impacts.

In response to the identified critical undersupply of available employment land, Hodgetts Estates is now bringing forward proposals to deliver a highly sustainable business park that would seek to combine 'Best in Class' logistics and industrial buildings and smaller SME buildings with significant amenities and social value benefits to local residents and communities.

Accordingly, this planning application seeks outline planning permission (including approval of access with all other matters reserved) for the following development:

'Outline planning permission for development of land within Use Class B2 (general industry), Use Class B8 (storage and distribution) and Use Class E(g)(iii) (light industrial), and ancillary infrastructure and associated works, development of overnight lorry parking facility and ancillary infrastructure and associated works. Details of access submitted for approval in full, all other matters reserved'.

Parameters-based approach

The approval of the development parameters in outline would allow for the scheme to be developed in a number of ways, within established parameters, through the reserved matters process. A Design Guide has been prepared to provide an overarching framework for future applications to follow to ensure high quality, highly sustainable and appropriately designed development comes forward at the Site. The seven High Quality Design Principles (HQDP) and implementation of the Design Parameters within the Design Guide, would ensure that all potential future developments at the Site follow a prescribed set of design guidance and parameters to ensure compliance with all relevant planning policy and guidance, including the Dordon Design Guidance and Code.

This Design & Access Statement includes a number of illustrative masterplans (not for approval) which are included to demonstrate that the maximum 100,000sgm of floorspace, overnight HGV parking facility and ancillary development sought can be adequately accommodated within the maximum developable area and parameters. It should be noted that the illustrative masterplans only show how the scheme could potentially be laid out and demonstrate its flexibility in the type and size of units, with the final layout (either in entirety or in part) to be fixed as part of future reserved matters applications. This approach will enable the Site to be marketed with flexibility to appeal to a broad spectrum of national or internationally renowned operators, whilst also ensuring control over the design of future development(s).



Biodiversity enhancements - wildflower meadows, ornamental planting, etc

Landscape-led design and biodiversity enhancements

The development parameters have been conceived to preserve and reinforce the separate identities of Polesworth, Dordon, Birchmoor and Tamworth. To ensure this, future development would be set within its own comprehensively landscaped surroundings, strengthening the natural perimeters, and enhancing substantially the existing biodiversity value of the Site.

The biodiversity strategy is driven by an aspiration to delivery significant biodiversity net gains, including the creation of over 9 hectares of on site and additional offsite habitats, including native woodlands, native shrublands, mixed hedgerows, wildflower meadows, wetland wildflower meadows, ornamental planting and species rich amenity grassland, within wider green infrastructure.

To the north and east of the development site, naturalistic earth mounds are proposed to be planted with native woodland species and interspersed with publicly accessible open parkland. These measures would both screen the existing developments currently visible along the A5 corridor as well as the new buildings that are being proposed.

Significant offsite landscape mitigation and enhancements are also proposed. In total, some 6.51 hectares (16 acres) of offsite landscape mitigation measures and enhancements are proposed through native woodland planting, community orchard planting, reinstatement of historic field boundaries and footpath enhancements, providing access to members of the public. The offsite measures would also prevent further expansion of development in those parts of the Strategic Gap.

The comprehensive landscape design strategy would ensure that the buildings and associated lorry parking are largely screened from view and as the native woodland planting and screening matures, the whole of the Site would eventually be almost entirely screened from sensitive locations at Birchmoor, Polesworth with Dordon and the public right of way network locally.

Highly sustainable design

All future potential development options at the Site would respect the surrounding area and adjacent settlements and deliver a safe, inclusive and high-guality development.

Driven by the accompanying Design Guide, in all aspects relevant to sustainability and design (including energy efficiency, renewable energy generation and biodiversity net gains), future development proposals would either meet or exceed the standards currently required by legislation, policy and/or guidance.

Key sustainability benefits include:

- Targeting a BREEAM 'Excellent' rating for all ٠ buildings.
- Energy Performance Certificate 'A' rating for all buildings.
- Speculative buildings to be built to UK Green Building Council's 'Net Zero Carbon Ready' standard for construction.
- At least 10% of energy generated from on-site renewable or low carbon sources and ensuring all buildings can be adapted to accommodate existing and future renewable or low carbon technologies.
- Electric vehicle charging points and 'rapid' charging • points, with ducting provided to future proof the development.

- Communal and staff cycle parking, showers and changing facilities to encourage walking and cycling to work.
- Electricity to site wide infrastructure and ancillary Hub Office to be 100% renewably generated.

Connectivity and access benefits

Driven by the Applicant's sustainable transport strategy, the approach taken to the development is to ensure that easy, safe and inclusive access for staff, visitors and the local communities for pedestrians and cyclists is achieved, as well as harnessing other sustainable modes of transport, which also links with and enhances the connectivity with and between the local adjacent areas.

The proposed development would be served by a new signal controlled all-movements access junction at the A5. The proposed access layout has been designed in accordance with published guidance from National Highways, acting as the Highway Authority responsible for the A5 carriageway.

Whilst the Site is currently served by a reasonable level of infrastructure to accommodate predicted journeys by walking, cycling and public transport modes, the Applicant is committed to delivering enhancements and, as such, the proposed development would deliver a range of substantial accessibility improvements, particularly for walking and cycling journeys, that would benefit site users as well as surrounding employment developments and residents more broadly.

Key transport and access benefits include:

- public use in the Hub Office.
- development 25% in total.
- proof the development.



 Over 3.5km of new and enhanced public footpaths. bridleways and footway/cycleway routes, linking the Site with Birchmoor to the north and Dordon to the east, and opening up foot and bicycle commuting opportunities from settlements further afield including Polesworth and Tamworth.

Enhancements to nearby public transport infrastructure, in the form of new and enhanced bus stops within and adjacent to the Site.

 Cycle parking provided to all units in excess of NWBC design standards as well as showers and changing facilities provided to all units and communal cycle parking, showers and changing facilities available for

Electric vehicle charging points and rapid charging points installed to 10% of car parking spaces, with ducting provided to a further 15% to future proof the

Ducting provided to 25% of lorry parking space for fully electric and hybrid electric vehicles, to future



Conclusion

As a result of the underlying aspiration to create "The Greenest Business Park in the West Midlands", this Design & Access Statement has demonstrated the architectural vision, inspiration and overarching design principles for the scheme that would achieve this bold aspiration.

The accompanying Design Guide, which can be secured by planning condition, would deliver this vision and act as a development framework for creating beautiful, healthy, greener, enduring, distinctive and successful places with a consistent and high-quality standard of design.

All told, with the adoption of the development parameters and overarching design strategies set out, the proposed development would deliver a strategic-scale employment development in a highly sustainable location whilst ensuring it is appropriately and sustainably designed for its location and context. In doing so, future development would facilitate delivery of the substantial scheme benefits associated with high-quality, inclusive and cohesive design.





3m 20m 43m 60m 80m	
North	PLANNING CONTEXT
Development Site Boundary (79.97 acres / 32.36 Ha)	SITE & CONTEXT
Plot A1 - up to 117.8m AOD Plot A2 - up to 113m AOD	
Plot B1 - up to 111m AOD	
Zone for green infrastructure to include open space, planting, landscaping, site road & SuDS	
Land required for access Public bridleway (to be diverted where	
Gas pipeline with 3m easement zone or both side	

	Development Site Boundary (79.97 acres / 32.36 Ha)
-	Parameter Boundary
	Unit Demise Boundary
	Public bridleway (to be diverted where necessary)

Development Site Boundary (79.97 acres / 32.36 Ha)
Parameter Boundary
Unit Demise Boundary
 Public bridleway (to be diverted where necessary)

Development Site Boundary (79.97 acres / 32.36 Ha)
Parameter Boundary
Unit Demise Boundary
 Public bridleway (to be diverted where necessary)



4263-CA-02-XX-DR-A-02300-PROPOSED ELEVATIONS-PL1

	5.3 mm		
		_	
		_	
		-	
		_	
18		_	
-		_	

120 Sn 1 1 20





4263-CA-00-00-DR-A-00086 - CONTEXT MAP WITH PARAMETER PLAN OVERLAY-P1







	ABILIT SUMMARY /	10.0



4263-CA-00-00-DR-A-00087 - CONTEXT MAP WITH MULTI-UNIT SCHEME OVERLAY-P1





78.97 sizes / 32.36 He

OTHER LAND UNDER THE CONTROL OF THE APPLICANT 18254 ISSNE/4105 His





4263-CA-00-00-DR-A-00088 - CONTEXT MAP - LANDSCAPE DESIGN PLAN OVERLAY



RED LINE DOUNDARY TRUE arres (\$2.38 He

CONTROL OF THE APPLICANT 10219Laces / 41/8LHs



PLANTING SPECIES LISTS

Native Woodland	
Quercus robur	Pedunculate Oak
Sorbus aucuparia	Rowan
Rosa canina	Dog-rose
Prunus spinosa	Blackthorn
Prunus avium	Wild Cherry
Crataegus monogyna	Hawthorn
Corylus avellana	Hazel
Cornus sanguinea	Dogwood
Betula pendula	Silver Birch
Acer campestre	Field Maple
Mixed	d and/or hornbeam hedgerows
Acer campestre	Field Maple
Corylus avellana	Hazel
Trataegus monogyna	Hawthorn
Ligustrum vulgare	Wild Privet
Prunus spinosa	Blackthorn
Viburnum lantana	Wayfaring-tree
/iburnum opulus	Guelder-rose
Carpinus betulus	Hornbeam
	Native Shrub Planting
Cornus sanguinea	Dogwood
Corylus avellana	Hazel
Crataegus monogyna	Hawthorn
Prunus spinosa	Blackthorn
Rosa canina	Dog-rose
llex aquifolium	Holly
	Grasses/Wildflower
Wildflower Meadows:	
Emorsgate EM1 General Purpose N	Acadow Grass Mix or Similar sown at a rate of 4g/m2
Wetland Meadows:	
Emorsgate EM8 Meadow Mix for V	/etlands or Similar sown at a rate of 4g/m2
Amenity Grasslands	
mineriney or abbilantido,	

Ornamental Shrubs			
Ornamental Shrub Mix 2 – Small	Ornamental Shrub Mix 1 – Medium		
Berberis frikartii 'Amstelveen'	Ceanothus 'Blue Mound'		
Ceanothus thyrsiflorus repens	Choisya ternate		
Genista lydia	Escalionia 'Apple Blossom'		
Hebe albicans	Photinia fraseri 'Red Robin'		
Lonicera pileata	Prunus laurocerasus 'Otto Luyken'		
Potentilla fruticosa 'Elizabeth'	Pyracantha coccinea 'Red Cushion'		
Skimmia confusa 'Kew Green'	Vibumum davidii		
Spiraea japonica 'Goldflame'	Cornus sanguinea 'Midwinter Fire'		
Ornamental Groundcover Mix	Ornamental and Feature Shrubs	_	
Hedera helix	Cornus stolonifera 'Kelsey Gold'	_	
Hypericum moserianum	Aucuba janonica 'Rozannie'		
Hebe rakaiensis	Spiraea japonica 'Golden Princess'		
Potentilla fruticosa 'Elizabeth'	Hebe rakaiensis	-	
Lonicera nitida 'May Green'	Prunus laurocerasus 'Otto Luyken'	_	
	Euonymus fortunei 'Silver Queen'	_	
	Elaeagnus ebbingei 'Gilt Edge'		
	Viburnum tinus 'Variegatum'		
	Photinia fraseri 'Red Robin'		
	Ornamental Trees		
Tilia cordata 'Rancho'	Small-leaved Lime		
Betula albosinensis var. septentrionalis	Chinese Red Birch		
Carpinus betulus 'Purpurea'	Hornbeam		
Betula ermanii	Erman's Birch		
Quercus robur	Pedunculate Oak		
Acer campestre	Field Maple		
Acer campestre 'Elsrijk'	Field Maple		
Sorbus torminalis	Wild Service-tree		
Sorbus aria 'Majestica'	Whitebeam		
Prunus avium	Wild Cherry		
Alnus glutinosa	Alder		
Malus sylvestris	Crab Apple		
Sorbus aucuparia	Rowan		
Crataegus monogyna	Hawthorn		
Betula pendula	Silver Birch		

	ILIT SUMMARY APPENDIC	10.0 11.0

Chetwoods London Ltd	Chetwoods Birmingham Ltd
12–13 Clerkenwell Green	32 Frederick Street
London EC1R 0QJ	Birmingham B1 3HH
Laurie Chetwood	Tim Ward
+44 (0)20 7490 2400	+44 (0)12 1234 7500
www.chetwoods.com	www.chetwoods.com