



The Sizewell C Project

6.4 Volume 3 Northern Park and Ride Chapter 2 Description of the Northern Park and Ride Figures 2.1 - 2.6

Revision: 1.0
Applicable Regulation: Regulation 5(2)(a)
PINS Reference Number: EN010012

May 2020

Planning Act 2008
Infrastructure Planning (Applications: Prescribed
Forms and Procedure) Regulations 2009





NOTES

KEY

- NORTHERN PARK AND RIDE DEVELOPMENT SITE BOUNDARY
- ACCESS ROAD
- ACCOMODATION TRACK
- PEDESTRIAN WALKWAY / ZONE
- WELFARE/SECURITY BUILDINGS
- SHELTERS (BUS/CYCLE)
- SECURITY FENCE
- ECOLOGICAL FENCE
- LIGHTING COLUMNS
- LANDSCAPE BUNDS
- EXISTING VEGETATION
- PROPOSED PLANTING
- GRASSED AREAS
- EXISTING GRASSLAND TO BE RETAINED
- INFILTRATION BASIN
- SURFACE WATER ATTENUATION
- EXISTING POND
- SWALE
- EXISTING DITCH
- DITCH
- BUFFER ZONE
- EXISTING PUBLIC RIGHT OF WAY

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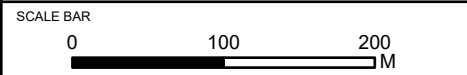


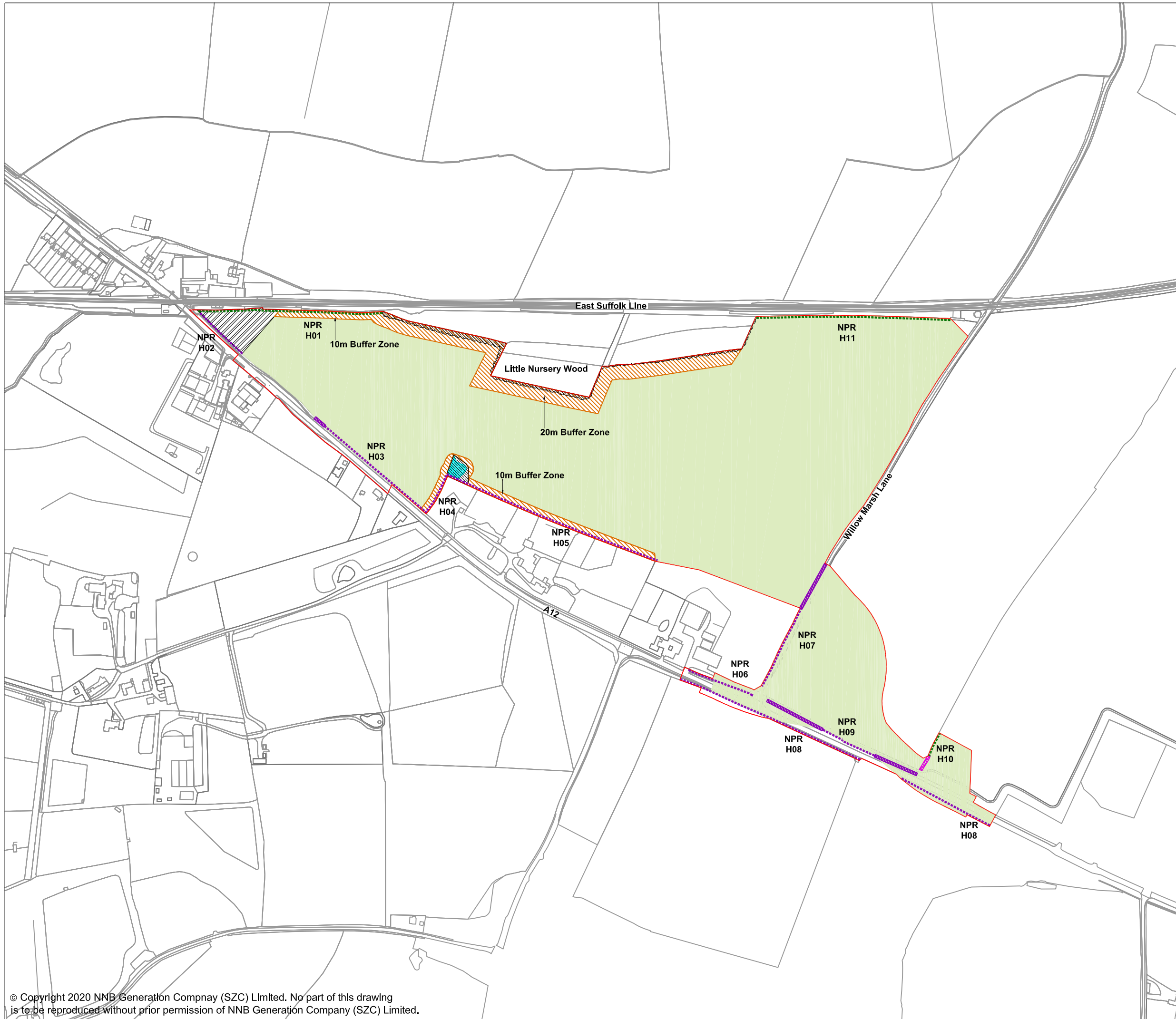
DOCUMENT:
 SIZEWELL C
 ENVIRONMENTAL STATEMENT
 VOLUME 3
 CHAPTER 2
 DESCRIPTION OF THE NORTHERN PARK AND RIDE

DRAWING TITLE:
 ILLUSTRATIVE MASTERPLAN FOR THE NORTHERN PARK AND RIDE AT DARSHAM

DRAWING NO:
 FIGURE 2.1

DATE: JAN 2020 DRAWN: V.W. SCALE: 1:5,000 @A3





NOTES:

1. FOR DETAILS OF PERMANENT AND TEMPORARY POSSESSION WITHIN ORDER LIMITS REFER TO LAND PLANS.
2. THE LOCATIONS OF FEATURES SHOWN ARE INDICATIVE ONLY. EXACT LOCATIONS TO BE CONFIRMED ON SITE.
3. ADDITIONAL FEATURES MAY BE PRESENT ON SITE THAT HAVE NOT BEEN IDENTIFIED.
4. THIS DRAWING IS BASED ON AERIAL PHOTOGRAPHS AND SITE VISITS.
5. FOR HEDGEROW REFERENCES (H01-H11) PLEASE REFER TO SCHEDULE 21 OF DRAFT DCO (DOC REF 3.1)
6. WITHIN THE AREA SHOWN AS 'GENERAL SITE CLEARANCE' NOT EVERYTHING WOULD BE CLEARED. SITE CLEARANCE WOULD BE THE MINIMUM REQUIRED TO UNDERTAKE THE WORKS. GENERAL SITE CLEARANCE CONSISTS OF REMOVAL OF OVERGROWN VEGETATION IN VERGES AND TOPSOIL REMOVAL.

KEY:

- NORTHERN PARK AND RIDE DEVELOPMENT SITE BOUNDARY
- - - - - RETAINED HEDGEROW
- - - - - RETAINED IMPORTANT HEDGEROW (HEDGEROW REGULATIONS 1997)
- RETAINED TREES AND SHRUBS
- RETAINED OTHER VEGETATION
- RETAINED POND
- BUFFER ZONE
- AREA OF GENERAL SITE CLEARANCE FOR CONSTRUCTION WORKS WITHIN THE SITE
- VEGETATION TO BE REMOVED
- IMPORTANT HEDGEROW (HEDGEROW REGULATIONS 1997) TO BE REMOVED

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DOCUMENT:

SIZEWELL C
ENVIRONMENTAL STATEMENT
VOLUME 3, CHAPTER 2
DESCRIPTION OF THE NORTHERN PARK AND RIDE

DRAWING TITLE:

SITE CLEARANCE PLAN

DRAWING NO:

FIGURE 2.2

DATE:
JAN 2020

DRAWN:
J.B.

SCALE:
1:5000 @ A3

SCALE BAR:





NOTES:

KEY:

- NORTHERN PARK AND RIDE DEVELOPMENT SITE BOUNDARY
- SOFTWORKS - RETAINED**
- - - - - RETAINED HEDGEROW
- - - - - RETAINED IMPORTANT HEDGEROW (HEDGEROW REGULATIONS 1997)
- RETAINED AND ENHANCED TREES AND SHRUBS
- ▨ RETAINED AND ENHANCED OTHER VEGETATION
- RETAINED POND
- SOFTWORKS - PROPOSED**
- - - - - HEDGEROW PLANTING
- ▨ AGRICULTURAL LAND REINSTATED
- HARDWORKS - PROPOSED**
- HIGHWAY SURFACING REINSTATED

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DOCUMENT:

SIZEWELL C
ENVIRONMENTAL STATEMENT
VOLUME 3, CHAPTER 2
DESCRIPTION OF THE NORTHERN PARK AND RIDE

DRAWING TITLE:

REMOVAL AND REINSTATEMENT PLAN

DRAWING NO:

FIGURE 2.3

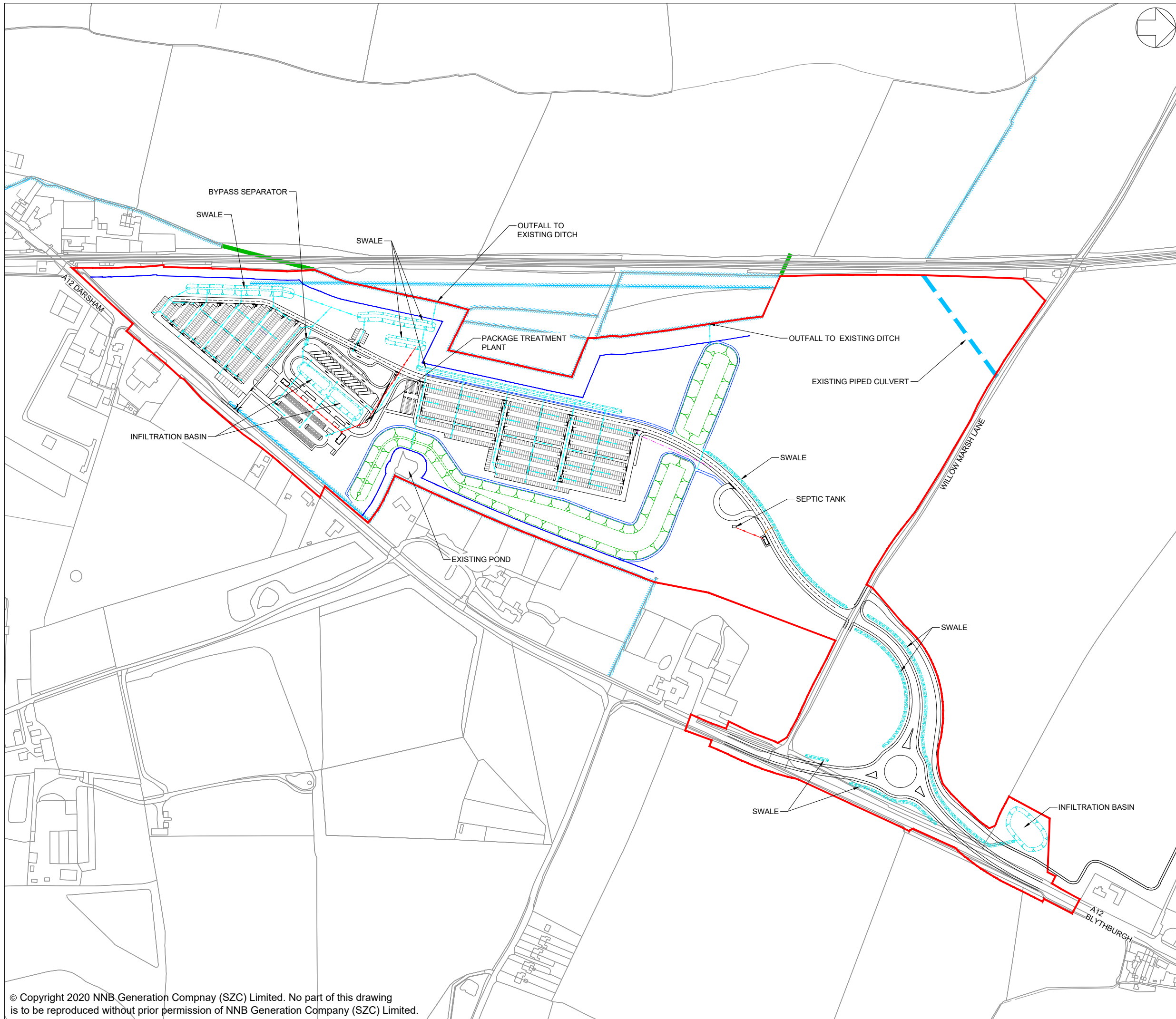
DATE:
JAN 2020

DRAWN:
J.B.

SCALE:
1:5000 @ A3

SCALE BAR:





NOTES:
 1. Do not scale from this drawing. All dimensions are in metres unless noted otherwise.

- KEY:**
- NORTHERN PARK AND RIDE DEVELOPMENT SITE BOUNDARY
 - BUFFER ZONE
 - SWALE / INFILTRATION BASIN (INDICATIVE)
 - - - LANDSCAPE BUND
 - PROPOSED SURFACE WATER DRAINAGE (INDICATIVE)
 - PROPOSED FOUL WATER DRAINAGE (INDICATIVE)
 - PROPOSED DITCH (INDICATIVE)
 - EXISTING DITCH / WATER COURSE
 - EXISTING BRICK CULVERT
 - PROPOSED BYPASS SEPARATOR
 - EXISTING PIPED CULVERT

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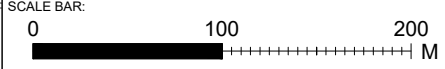


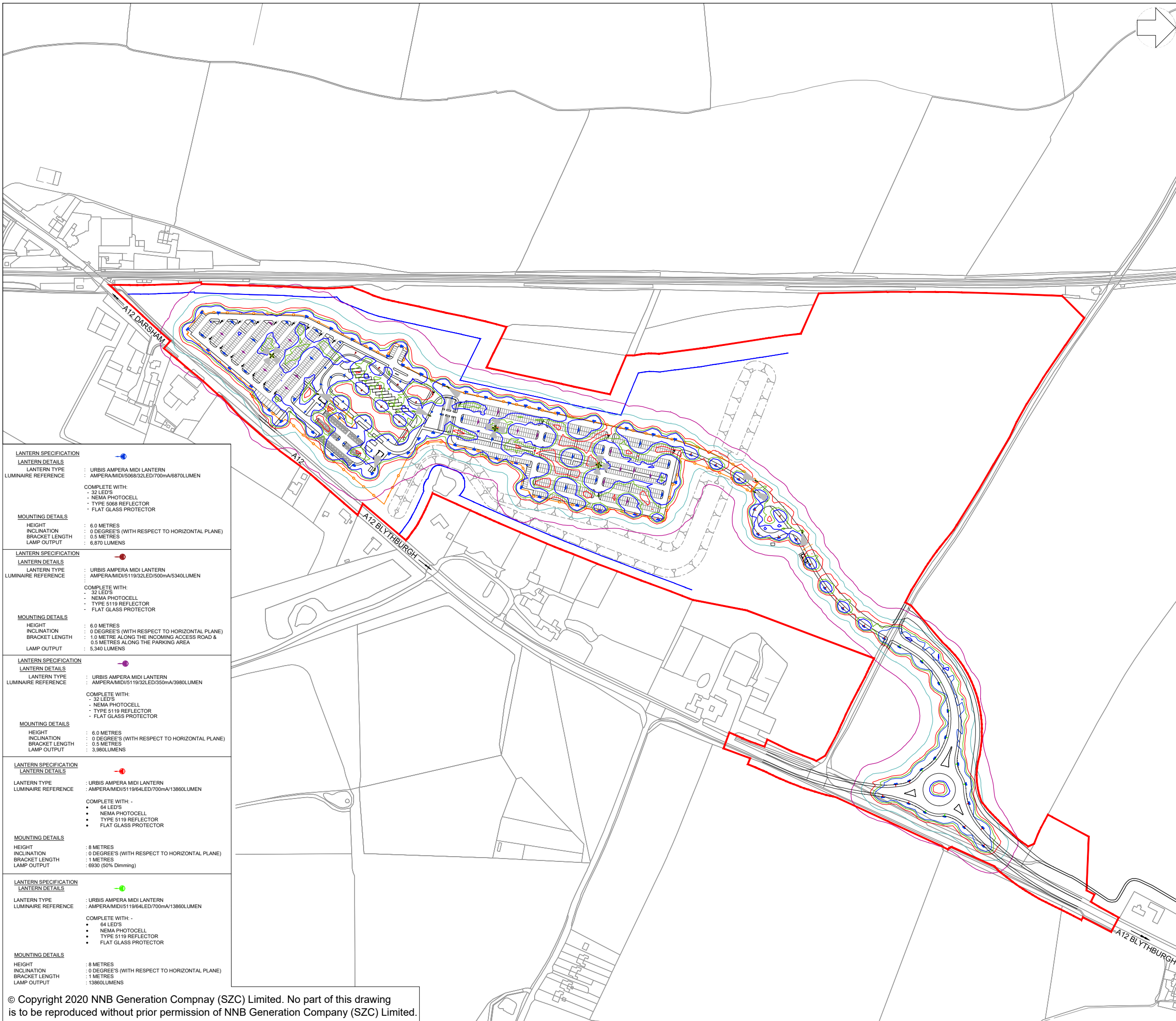
DOCUMENT:
 SIZEWELL C ENVIRONMENTAL STATEMENT
 VOLUME 3
 CHAPTER 2
 DESCRIPTION OF THE NORTHERN PARK AND RIDE

DRAWING TITLE:
 ILLUSTRATIVE DRAINAGE PLAN FOR THE NORTHERN PARK AND RIDE AT DARSHAM

DRAWING NO.:
 FIGURE 2.4

DATE: JAN 2020 **DRAWN:** N.K.S. **SCALE:** 1:4,000 @A3





NOTES:

- Do not scale from this drawing. All dimensions are in metres unless noted otherwise.
- Luminaires shall be of a type that controls the distribution of light and directs the light downwards onto the roads and footways and that avoids light and glare overspill and sky glow.
- The adoptable road network associated with the A12, south, northern approach, north and western approach sections, is designed to BS 5489-1. This is based on lighting classifications determined by WSP, being class M4 for these sections.
- The adoptable lighting associated with the junction/roundabout, is designed to BS 5489-1. This is based on lighting classifications determined by WSP, being conflict class C3.
- The parking area is designed to comply with BS 5489-1, Medium Traffic Car Park classification.
- A maintenance factor of 0.76 has been used in the lighting design simulation.
- Isolux contours indicated on the layout are reflective of a maintenance factor 1.0.
- Lighting columns within parking bay areas to be located on corners of parking bays and shall be provided with red and white reflective bands at 0.3m centres between 0.6m and 1.5m above proposed finished level.
- Light columns shall be located at the rear of footways unless agreed otherwise. In no circumstances shall the setback to light column face be less than 0.45m from the edge of the roadway.
- Isolux contours indicated on the drawing do not factor in the mitigation associated with the fitting of lighting shields to all perimeter light fittings.
- Where lighting columns are positioned at the intersection of parking bays, physical barrier protection shall be provided.
- Isolux contours indicated on the drawing do not factor in the mitigation associated with either ecological fencing, landscaping, topography or plants.
- This drawing has been compiled based upon the following design standards and guidance:
 - A. BS 5489-1 : 2013
 - B. BS EN 12464-2 : 2014
 - C. BS EN 13201 : 2015
 - D. CIBSE Lighting guide 6
 - E. ILE Guidance for the reduction in obtrusive light.
- For illuminance (lux) results for grid and parking areas, please refer to lighting technical note SZC-S20204-FP-000-REP-100001

ISOLUX COLOUR KEY



KEY

- NORTHERN PARK AND RIDE DEVELOPMENT SITE BOUNDARY
- BUFFER ZONE
- LIGHTING LANTERN DEMOUNTABLE SHIELD TO REDUCE BACKWARD LIGHT SPILL (NOT TO SCALE)
- FIXED CCTV AND VISION SPLAY
- SECURITY FENCE
- GATE
- LANDSCAPE BUND

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DOCUMENT:

SIZEWELL C ENVIRONMENTAL STATEMENT VOLUME 3 CHAPTER 2 DESCRIPTION OF THE NORTHERN PARK AND RIDE

DRAWING TITLE:

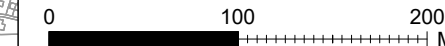
ILLUSTRATIVE LIGHTING PLAN FOR THE NORTHERN PARK AND RIDE AT DARSHAM

DRAWING NO:

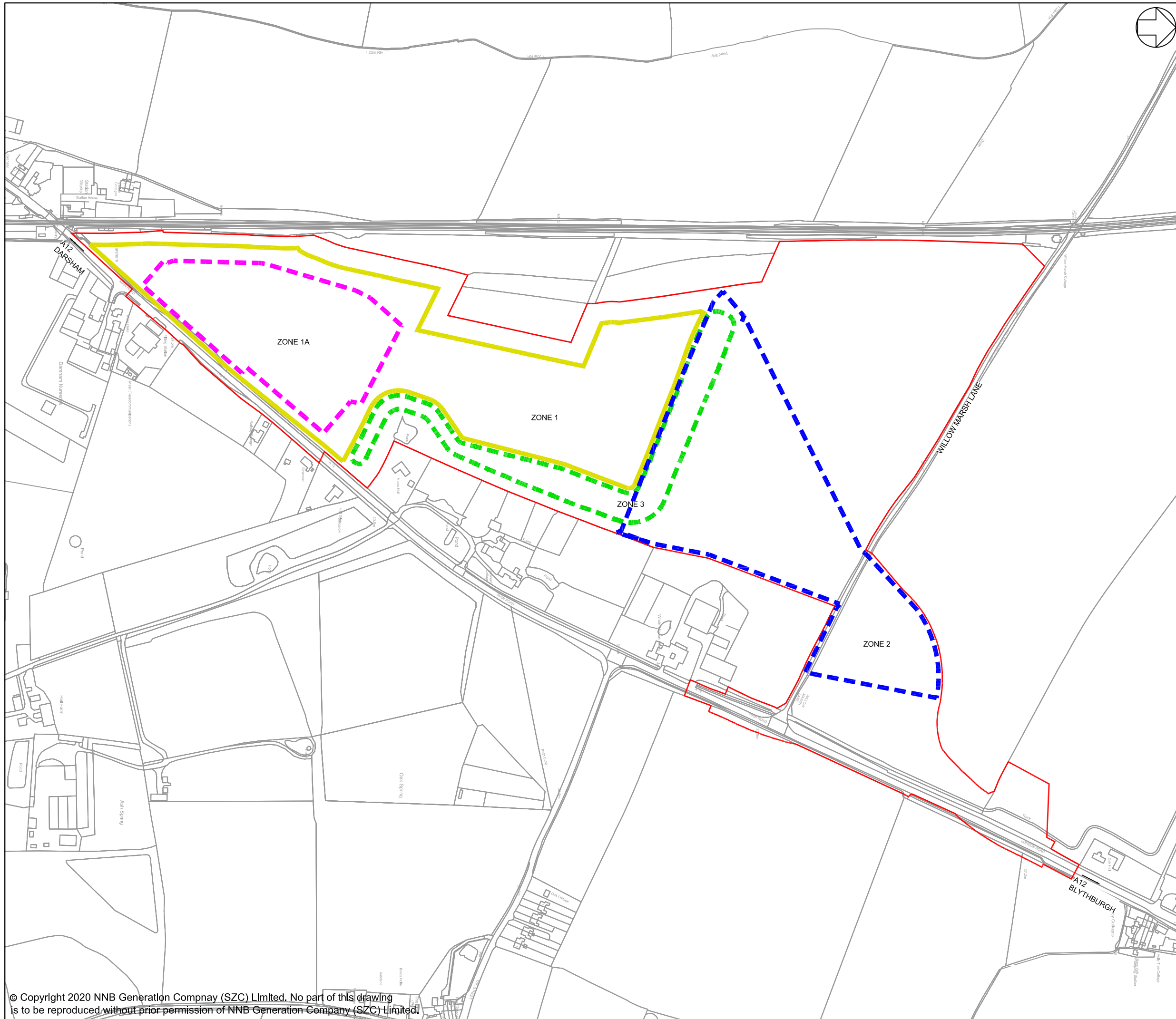
FIGURE 2.5

DATE: JAN 2020 DRAWN: N.K.S. SCALE: 1:4,000 @A3

SCALE BAR:



<p>LANTERN SPECIFICATION</p> <p>LANTERN DETAILS</p> <p>LANTERN TYPE : URBIS AMPERA M10 LANTERN</p> <p>LUMINAIRE REFERENCE : AMPERA/M10/5068/32LED/700mA/6870LUMEN</p> <p>COMPLETE WITH:</p> <ul style="list-style-type: none"> - 32 LED'S - NEMA PHOTOCELL - TYPE 5068 REFLECTOR - FLAT GLASS PROTECTOR <p>MOUNTING DETAILS</p> <p>HEIGHT : 6.0 METRES</p> <p>INCLINATION : 0 DEGREE'S (WITH RESPECT TO HORIZONTAL PLANE)</p> <p>BRACKET LENGTH : 0.5 METRES</p> <p>LAMP OUTPUT : 6,870 LUMENS</p>	
<p>LANTERN SPECIFICATION</p> <p>LANTERN DETAILS</p> <p>LANTERN TYPE : URBIS AMPERA M10 LANTERN</p> <p>LUMINAIRE REFERENCE : AMPERA/M10/5119/32LED/500mA/5340LUMEN</p> <p>COMPLETE WITH:</p> <ul style="list-style-type: none"> - 32 LED'S - NEMA PHOTOCELL - TYPE 5119 REFLECTOR - FLAT GLASS PROTECTOR <p>MOUNTING DETAILS</p> <p>HEIGHT : 6.0 METRES</p> <p>INCLINATION : 0 DEGREE'S (WITH RESPECT TO HORIZONTAL PLANE)</p> <p>BRACKET LENGTH : 1.0 METRE ALONG THE INCOMING ACCESS ROAD & 0.5 METRES ALONG THE PARKING AREA</p> <p>LAMP OUTPUT : 5,340 LUMENS</p>	
<p>LANTERN SPECIFICATION</p> <p>LANTERN DETAILS</p> <p>LANTERN TYPE : URBIS AMPERA M10 LANTERN</p> <p>LUMINAIRE REFERENCE : AMPERA/M10/5119/32LED/350mA/3980LUMEN</p> <p>COMPLETE WITH:</p> <ul style="list-style-type: none"> - 32 LED'S - NEMA PHOTOCELL - TYPE 5119 REFLECTOR - FLAT GLASS PROTECTOR <p>MOUNTING DETAILS</p> <p>HEIGHT : 6.0 METRES</p> <p>INCLINATION : 0 DEGREE'S (WITH RESPECT TO HORIZONTAL PLANE)</p> <p>BRACKET LENGTH : 0.5 METRES</p> <p>LAMP OUTPUT : 3,980LUMENS</p>	
<p>LANTERN SPECIFICATION</p> <p>LANTERN DETAILS</p> <p>LANTERN TYPE : URBIS AMPERA M10 LANTERN</p> <p>LUMINAIRE REFERENCE : AMPERA/M10/5119/64LED/700mA/13860LUMEN</p> <p>COMPLETE WITH:</p> <ul style="list-style-type: none"> - 64 LED'S - NEMA PHOTOCELL - TYPE 5119 REFLECTOR - FLAT GLASS PROTECTOR <p>MOUNTING DETAILS</p> <p>HEIGHT : 8 METRES</p> <p>INCLINATION : 0 DEGREE'S (WITH RESPECT TO HORIZONTAL PLANE)</p> <p>BRACKET LENGTH : 1 METRES</p> <p>LAMP OUTPUT : 6930 (50% Dimming)</p>	
<p>LANTERN SPECIFICATION</p> <p>LANTERN DETAILS</p> <p>LANTERN TYPE : URBIS AMPERA M10 LANTERN</p> <p>LUMINAIRE REFERENCE : AMPERA/M10/5119/64LED/700mA/13860LUMEN</p> <p>COMPLETE WITH:</p> <ul style="list-style-type: none"> - 64 LED'S - NEMA PHOTOCELL - TYPE 5119 REFLECTOR - FLAT GLASS PROTECTOR <p>MOUNTING DETAILS</p> <p>HEIGHT : 8 METRES</p> <p>INCLINATION : 0 DEGREE'S (WITH RESPECT TO HORIZONTAL PLANE)</p> <p>BRACKET LENGTH : 1 METRES</p> <p>LAMP OUTPUT : 13860LUMENS</p>	



NOTES:
Do not scale from this drawing. All dimensions are in metres unless noted otherwise.

- KEY:**
- NORTHERN PARK AND RIDE DEVELOPMENT SITE BOUNDARY
 - **ZONE 1:**
TO INCLUDE:
• OPERATIONAL PARK & RIDE FACILITY
 - - - **ZONE 1A**
TO INCLUDE:
• AMENITY AND WELFARE BUILDING UP TO 4M
• SECURITY BUILDING UP TO 4M
• BUS SHELTERS UP TO 3M
• SHELTERS (SMOKING/CYCLE)
 - - - **ZONE 2**
TO INCLUDE:
• ACCESS ROAD
• SECURITY BOOTH UP TO 4M
• EXIT LOOP
 - - - **ZONE 3**
TO INCLUDE:
• INDICATIVE POSITION OF 3M LANDSCAPE BUNDS

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DOCUMENT:
SIZEWELL C ENVIRONMENTAL STATEMENT VOLUME 3 CHAPTER 2 DESCRIPTION OF THE NORTHERN PARK AND RIDE

DRAWING TITLE:
PARAMETER PLAN FOR THE NORTHERN PARK AND RIDE AT DARSHAM

DRAWING NO:
FIGURE 2.6

DATE: JAN 2020 **DRAWN:** N.K.S. **SCALE:** 1:4,000 @A3

