



Reptile Translocation

Oak Park, Havant
for:

Ashley House plc.

CRM.1112.009.EC.R.003



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Reptile Translocation

Project:	Oak Park, Havant
For:	Ashley House plc.
Status:	Final
Date:	25 th October 2016
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Reviewer:	Kevin Parr - Director

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1 Introduction

1.1 Commission

- 1.1.1 In late-May 2016 Enzygo Ltd was commissioned by Ashley House plc. to undertake a Reptile Translocation throughout a parcel of land off Oak Park, Havant, Hampshire, PO9 2EL (central grid reference: SU 7201 0714), located within the Hampshire County Council (Havant Borough) planning authority.
- 1.1.2 The proposed works will involve clearance of the site and redevelopment as social care housing. Refer to Appendix A for proposed site layout.

1.2 Aims and Objectives

- 1.2.1 The reptile translocation aims to deliver the mitigation strategy set out within the Reptile Mitigation Plan (RMP) (Enzygo, 2016), and to allow a S106 agreement to be discharged for planning permission APP/15/00303 granted on 18th December 2015.
- 1.2.2 This report has been produced with reference to current mitigation guidelines for common reptiles (HGBI, 1998) and in accordance with BS42020:2013: Biodiversity – Code of Practice for Planning and Development (BSI, 2013).

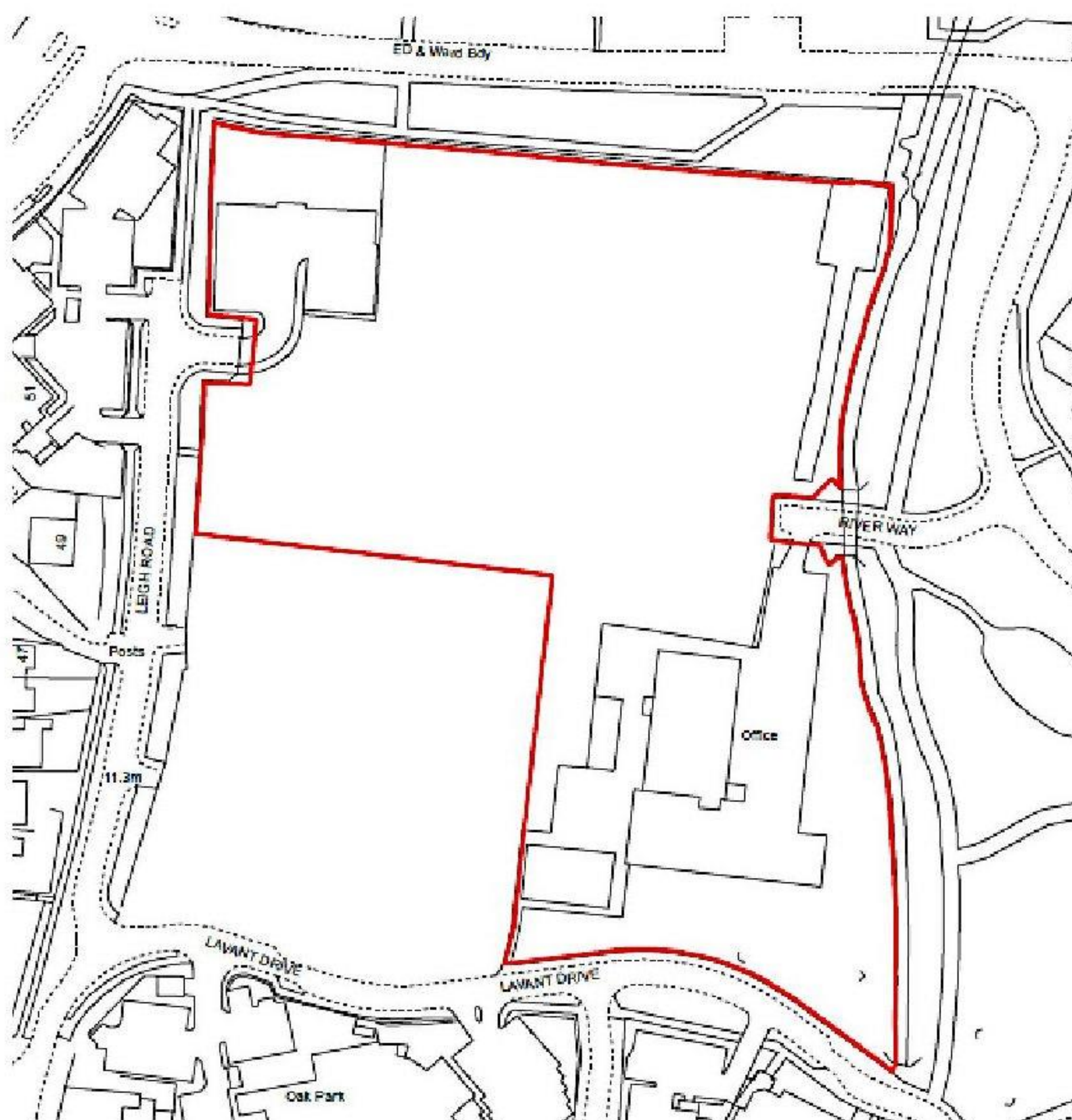
1.3 Background

- 1.3.1 A reptile survey of the site (Enzygo, 2015) identified the presence of a 'Good' population (peak 13 adults) of Slow-worm (*Anguis fragilis*), with juveniles also encountered indicating breeding. The report also identified historical records of Slow-worm and Adder (*Vipera berus*) within the wider area.
- 1.3.2 A reptile translocation commenced in September 2015 but was not completed due to seasonal timing constraints. As such, an RMP (Enzygo, 2016) was subsequently produced detailing mitigation works which would be undertaken throughout 2016.

1.4 Site Context

- 1.4.1 The approximately 2ha site comprises a matrix of coarse grassland, scrub, and ephemeral/short perennial habitat with remaining areas of hardstanding and building rubble from demolished buildings. The town of Havant extends on all aspects, with Lavant Stream running along the eastern boundary and main roads defining all other site boundaries.

Figure 1.1: Site Boundary



1.5 Nomenclature

- 1.5.1 The English names of flora and fauna species are given in the main text of this report. Scientific names are used alongside the English name where this first occurs. Vascular plants and Charophytes follow the nomenclature of The Botanical Society for the British Isles database (BSBI, 2007) with all other flora and fauna following the National Biodiversity Network (NBN) Gateway (NBN, 2014).

2 Relevant Legislation and Policy

2.1 Legislation

2.1.1 Wildlife legislation and policy relevant to the works undertaken, are set out below. This legal information is a summary only, and the original legal documents should be consulted for definitive information.

Table 2.1: Legislation Protection Afforded to Sites/Habitats that could Potentially be Affected by the Proposed Works

Designated Site/Habitat	Legal Status
None	-

Table 2.2: Legislation Protection Afforded to Species that could Potentially be Affected by the Proposed Works

Species	Legal Status
European Protected	
None	-
Nationally Protected	
Viviparous Lizard, Grass Snake, Slow-worm, Adder	These animals receive limited protection under The Wildlife and Countryside Act 1981 (as amended by the Countryside and Rights of Way Act 2000), which makes it illegal to intentionally kill or injure any such animal.
Invasive Species	
None	-

2.1.2 Section 40 of the Natural Environment and Rural Communities Act 2006 (the NERC Act) places a legal duty on public bodies, including planning authorities, to 'have regard' to the conservation of biodiversity when carrying out their normal functions, which includes consideration of planning applications.

2.1.3 In compliance with Section 41 of the NERC Act, the Secretary of State has published a list of species and habitats considered to be of principal importance for conserving biodiversity in England under the UK Post-2010 Biodiversity Framework. This is known as the list of Habitats and Species of Principal Importance (HPI/SPI), of which there are 56 habitats and 943 species. The HPI/SPI list is used to guide planning authorities in implementing their duty under the NERC Act.

2.1.4 Viviparous Lizard (*Zootoca vivipara*), Grass Snake (*Natrix natrix*), Adder and Slow-worm are SPI species (JNCC, 2015). There are currently no common reptile species specifically listed on Hampshire Local BAP (Hampshire Biodiversity Partnership, 2016).

2.2 National Planning Policy

2.2.1 The NPPF set out the Government's planning policies for England and how these are expected to be applied. At the heart of the NPPF is a presumption in favour of sustainable development. This presumption does not apply where development requiring Appropriate Assessment under the Birds or Habitats Directives is being considered, planned or determined.

2.2.2 The NPPF states that:

'When determining planning applications, local planning authorities should aim to conserve and enhance biodiversity by applying the following principles:

- *if significant harm resulting from a development cannot be avoided (through locating on an alternative site with less harmful impacts), adequately mitigated, or, as a last resort, compensated for, then planning permission should be refused;*
- *proposed development on land within or outside a Site of Special Scientific Interest (SSSI) likely to have an adverse effect on a SSSI (either individually or in combination with other developments) should not normally be permitted. Where an adverse effect on the site's notified special interest features is likely, an exception should only be made where the benefits of the development, at this site, clearly outweigh both the impacts that it is likely to have on the features of the site that make it of special scientific interest and any broader impacts on the national network of SSSIs;*
- *development proposals where the primary objective is to conserve or enhance biodiversity should be permitted;*
- *opportunities to incorporate biodiversity in and around developments should be encouraged;*
- *planning permission should be refused for development resulting in the loss or deterioration of irreplaceable habitats, including ancient woodland and the loss of aged or veteran trees found outside ancient woodland, unless the need for, and benefits of, the development in that location clearly outweigh the loss; and*
- *the following wildlife sites should be given the same protection as European sites: potential Special Protection Areas (SPA) and possible Special Areas of Conservation (SAC); listed or proposed Ramsar sites; and sites identified, or required, as compensatory measures for adverse effects on European sites, potential SPAs, possible SACs, and listed or proposed Ramsar sites.'*

2.2.3 Under the NPPF, the Planning Authority has a responsibility to promote the preservation, restoration and re-creation of priority habitats, ecological networks and the protection and recovery of priority species populations, linked to national and local targets, and identify suitable indicators for monitoring biodiversity in the plan.

2.2.4 Also under the NPPF the planning system should contribute to and enhance the natural and local environment by minimising impacts on biodiversity and providing net gains in biodiversity where possible, contributing to the Government's commitment to halt the overall decline in biodiversity, including by establishing coherent ecological networks that are more resilient to current and future pressures.

3 Mitigation Completed

3.1.1 The following mitigation tasks have been undertaken in accordance with the approved RMP (Enzygo, 2016). These have been undertaken by/under the supervision of an Ecological Clerk of Work (ECoW) (Josh Richardson, Graduate Ecologist c/o Enzygo) who satisfies all necessary field survey competencies as stipulated by the Chartered Institute for Ecology and Environmental Management (CIEEM). A Principal Ecologist (Derek Allan MCIEEM, MSc, BSc (Hons)) orchestrated these works. Refer to Drawing CRM.1112.009.EC.D.003 for locations.

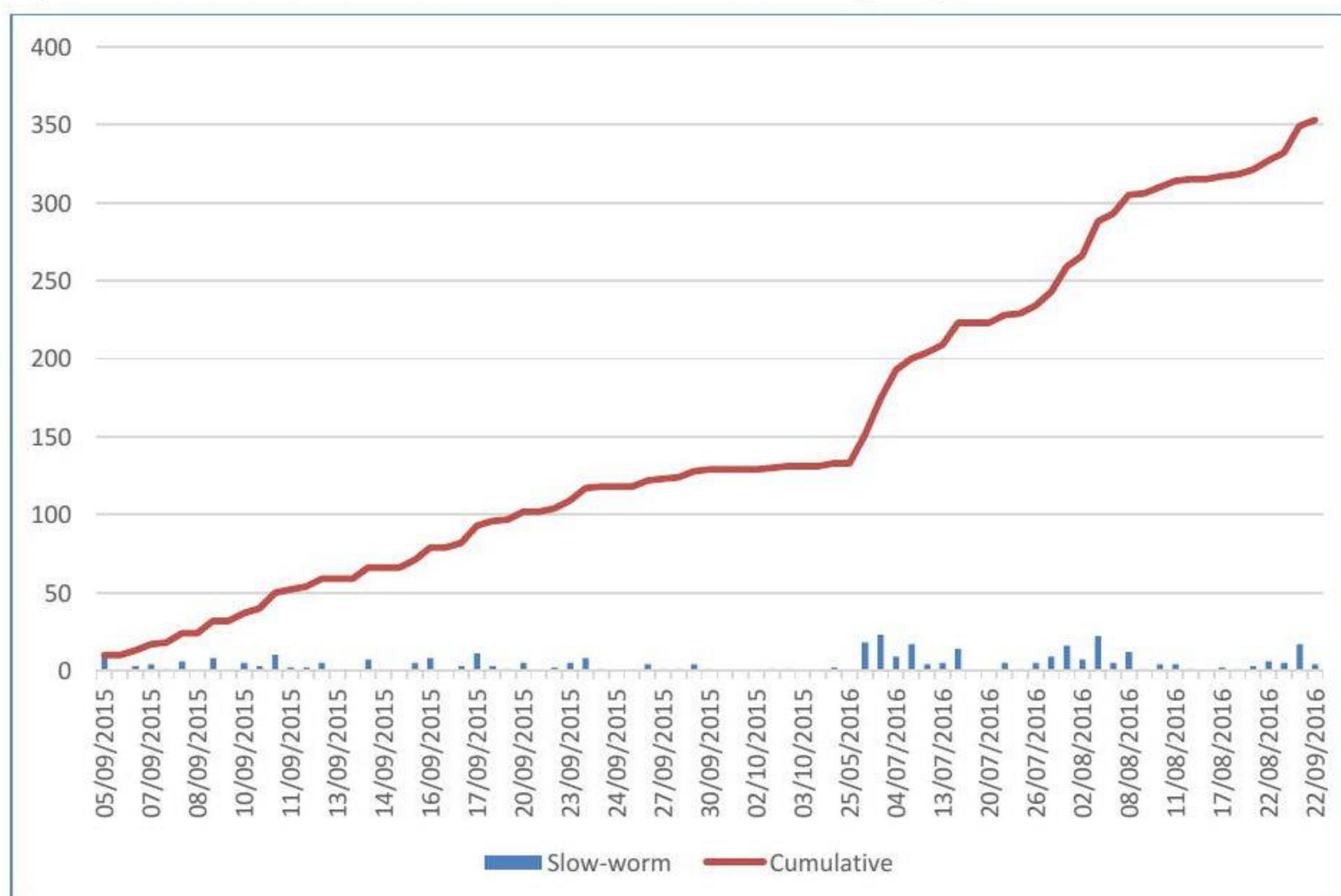
Table 3.1: Mitigation tasks undertaken.

Date	Task	Details
September 2015	Exclusion & Drift Fencing Installation	Around majority of proposed working footprint
September 2015	Reptile Refugia Installation	50 squares flat felt 0.5x0.5m and 20 squares corrugated tin 0.5x1m (carpet tiles and pitfall traps also installed) across site
5 th September 2015 to 4 th October 2015	Reptile Translocation	30 days of trapping, with reptiles moved to receptor site (Staunton Country Park).
Sept 2015 to Sept 2016	Enhancement of Receptor	Hampshire County Council, Staunton Country Park.
25 th May 2016	Site Briefing of Contractors	By ECoW
25 th May 2016	Exclusion Fencing Installation	Along south-western boundary under supervision of ECoW, with selective vegetation clearance to facilitate this. Natural barriers along N, E, SE & NW boundaries.
25 th May 2016	Reptile Refugia Installation	100 squares flat felt 0.5x0.5m and 20 squares corrugated bitumen 0.5x0.5m across site (and removal of redundant carpet tiles/pitfall traps).
29 th June to 26 th August 2016	Reptile Translocation	ECoW, at least further 30 days of trapping (60 days total combined with 2015 effort), with reptiles moved to receptor site (Staunton Country Park)
8 th August 2016	Habitat Manipulation	Paths cut into denser vegetation and to break up habitats by contractor under supervision of ECoW, to facilitate capture of remaining reptiles.
8 th August to 26 th August 2016	Hand Search	Natural Refugia, by ECoW during reptile translocation.
8 th August to 26 th August 2016	Drift Fencing Removal	As translocation works progressed, across site and along N, E, SE & SW boundaries by ECoW. As redundant, since natural barriers present along N, E, SE & NW boundaries.
26 th August 2016	Reptile Refugia Removal	All refugia removed from across site.
21 st to 22 nd September 2016	Destructive Search	By contractor under supervision of ECoW. Grassland/tall ruderal habitats strimmed to 300mm then down to ground level on second pass, and scrub flailed. Overgrown SUDS and trees in south-eastern corner retained but ground throughout thoroughly checked.

4 Results and Assessment

- 4.1.1 A total 353 Slow-worm were translocated from the site over 60 capture days (30-days in 2015 & 30-days in 2016). This included 209 adults and 144 juvenile Slow-worm all of which were moved to the receptor site (Staunton Country Park). No other reptile species were encountered. Refer to Appendix B for full results (including weather conditions) and Drawing CRM.1112.009.EC.R.003 for location.
- 4.1.2 As displayed in Figure 4.1 below, the cumulative number of Slow-worm caught reached a plateau in October 2015 (likely due to seasonal conditions becoming unsuitable for reptiles). When translocation re-commenced in May 2016 a marked increase in reptile capture was apparent. This level of capture reached a plateau at the end of July, then increased again following habitat manipulation undertaken at the start of August (as would be expected). It plateaued for the final time at the end of August, at the end of the 30-day capture period (60-days in combination with the 2015 effort), with consistently low numbers of reptiles encountered for an extended period, indicating that most reptiles had been caught. A final peak in capture was recorded during the destructive search in mid-September (again as would be expected).

Figure 4.1: Cumulative number of Slow-worms translocated during mitigation



- 4.1.3 The translocation period has been completed, and reasonable efforts have been undertaken to capture/relocate common reptiles in accordance with the approved RMP (Enzygo, 2016). As such, no significant residual impact to common reptiles remains and the conservation status of the species concerned has been maintained.

5 Mitigation Pending

5.1.1 The following mitigation tasks remain to be undertaken in accordance with the approved RMP (Enzygo, 2016).

Table 5.1: Mitigation tasks pending.

Date	Task	Details
November 2016 to Spring 2017	Interim Period Maintenance	No works to site during Winter period (when no vegetation growth). Habitats managed throughout growing season to ensure that conditions suitable to attract common reptiles do not re-establish (i.e. tall grass/scrub), this includes regular flail of grassland by contractor.
TBC (Spring 2017)	Destructive Search	Turf Strip, when works ready to commence under supervision of ECoW (in the event that any residual common reptiles remain)
TBC (Autumn 2017)	Exclusion Fencing Removal	Upon completion of construction works, by contractor under supervision of ECoW (in the event that any residual common reptiles remain)
TBC (Autumn 2017)	Enhancement of Site	6 informal reptile hibernacula (i.e. brash piles) to be created along eastern boundary/beside Lavant Stream and throughout the south-eastern corner of the site around SUDS upon completion of construction activities.
-	Post-Development Management (Site)	None to be undertaken
2017 onwards	Post-Development Management (Receptor)	Hampshire County Council will continue to manage Staunton Country Park in a manner which is appropriate to benefit biodiversity, including common reptiles.
-	Post-Development Monitoring (Site & Receptor)	None to be undertaken

6 References

Publications

BSBI, 2007. Botanical Society for the British Isles. BSBI 2007 List. Available at: <http://www.bsbi.org.uk/resources.html> [Accessed on 3rd February 2016].

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Enzygo, 2016. Reptile Mitigation Plan (RMP). Enzygo: Bristol.

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NBN, 2014. National Biodiversity Network Gateway Species Dictionary. Available at: <http://nbn.org.uk/Tools-Resources/NBN-Dictionaries/Species-Dictionary.aspx> [Accessed on 11th March 2016].

Legislation Sources

Conservation of Habitats and Species (Amendment) Regulations 2012. Available at: <http://www.legislation.gov.uk/ukxi/2012/1927/contents/made> [Accessed on 3rd February 2016].

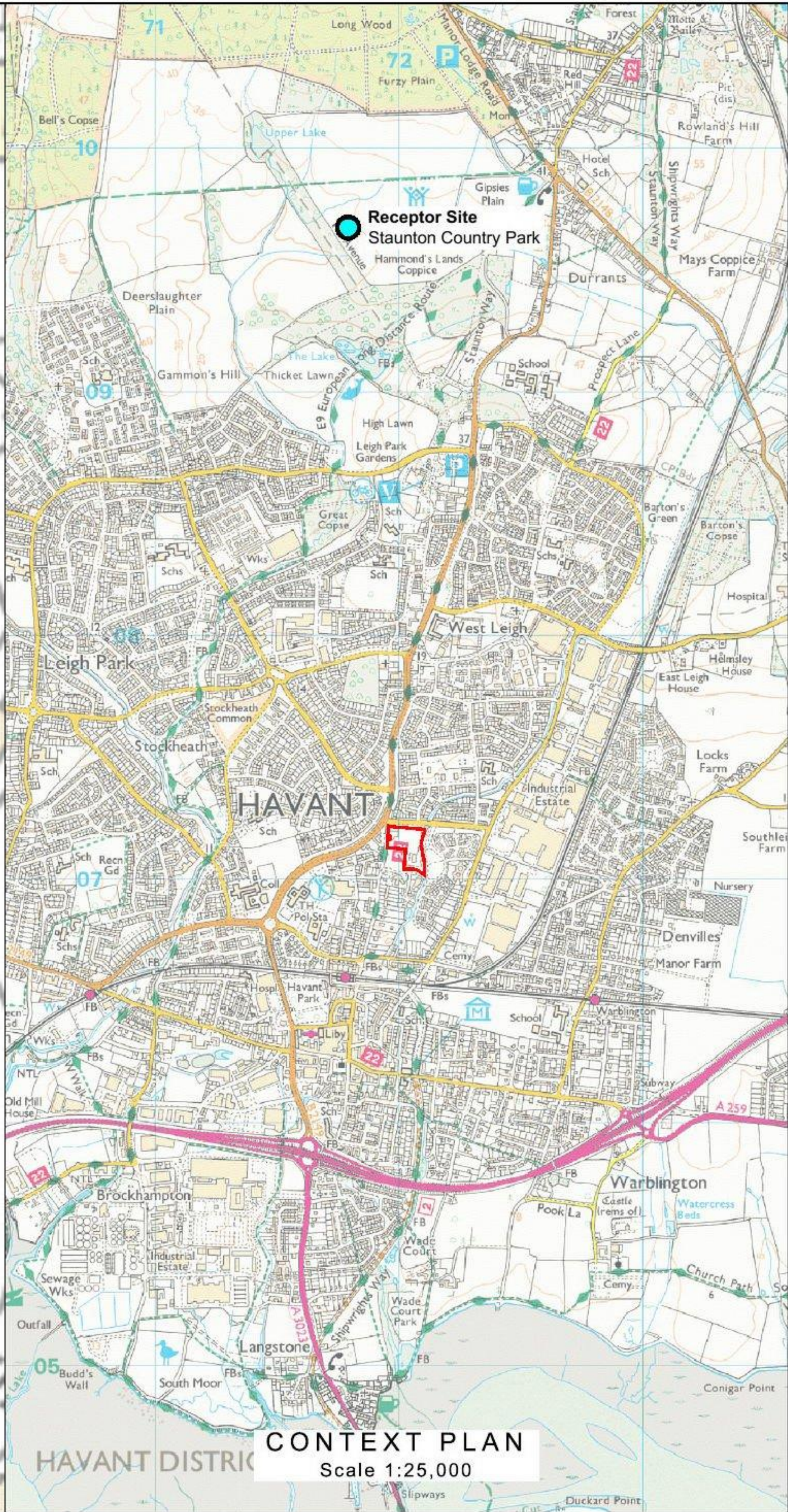
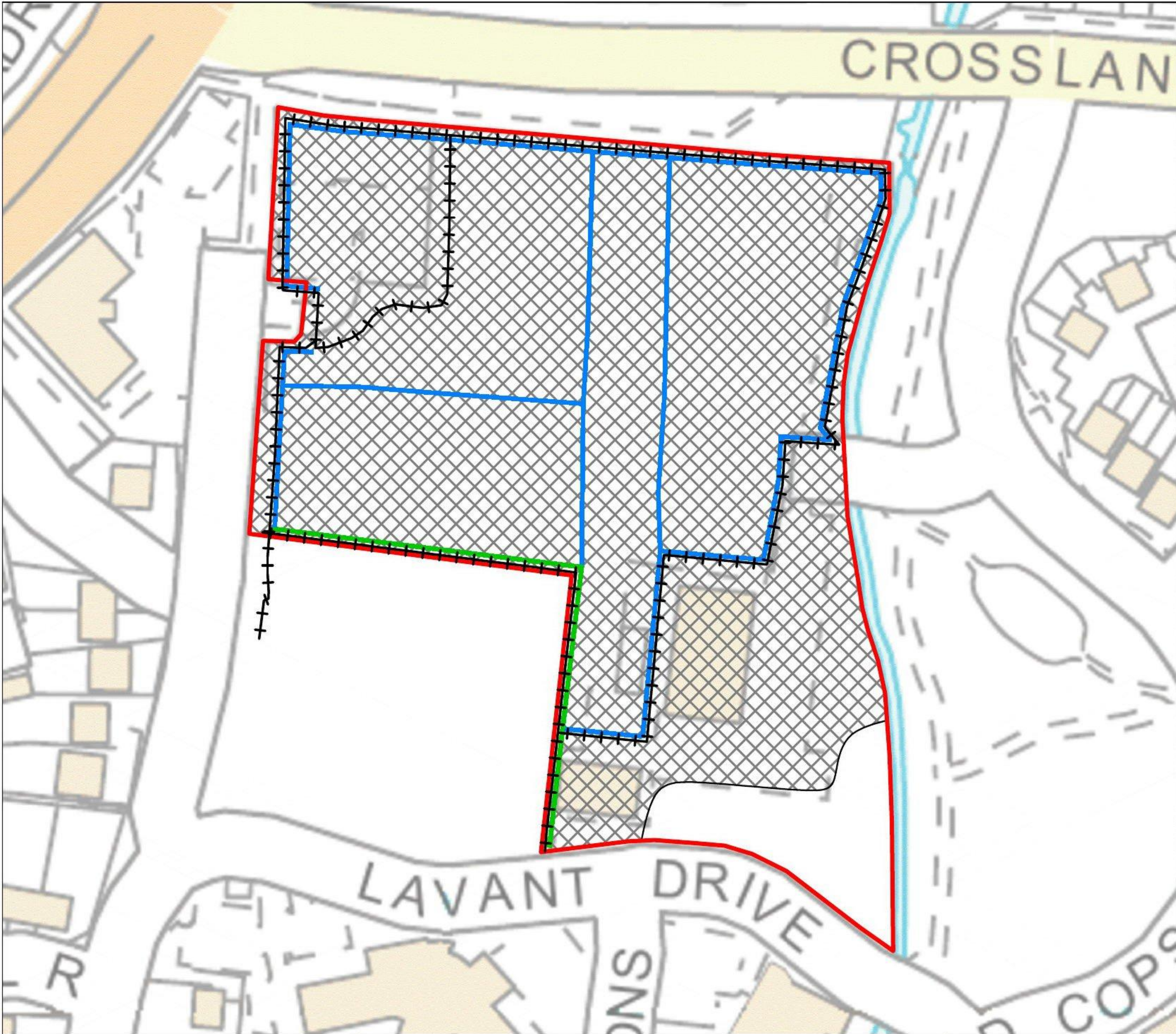
National Planning Policy Framework (2012). Available at: <https://www.gov.uk/government/publications/national-planning-policy-framework--2> [Accessed on 3rd February 2016].

Natural Environment and Rural Communities (NERC) Act 2006: Available at: <http://www.legislation.gov.uk/ukpga/> [Accessed on 3rd February 2016].

The Habitats Directive. Available at http://ec.europa.eu/environment/nature/legislation/habitatsdirective/index_en.htm. [Accessed on 3rd February 2016].

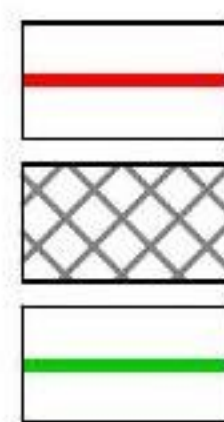
Wildlife and Countryside Act 1981 (as amended). Available at: <http://www.legislation.gov.uk/ukpga/1981/69> [Accessed on 3rd February 2016].

Drawing CRM.1112.009.EC.D.003 – Reptile Translocation



STEP Business Centre, Wortley Rd, Sheffield, S36 2UH

Key:



Site Boundary

Destructive Search

Exclusion Fence Retained



Fencing Removed

Fencing

Receptor Site
Staunton Country Park

SCALE

1:1,000@A3

DATE

Oct 2016

DRAWN

MG

PROJECT NO.

CRM.1112.009

DRAWING NO.

CRM.1112.009.EC.D.003

CHECKED

DA

PROJECT

Oak Park, Havant

DRAWING TITLE

Reptile Translocation

CLIENT

Ashley House plc

Appendix A – Proposed Site Layout



DESIGN OBJECTIVES

- To create a safe, attractive and stimulating environment for residents, staff and visitors.
- The design seeks to:
- create a range of spaces of distinctive character and that offer a range of experiences;
 - provide opportunities for residents to engage with and influence their environment;
 - ensure that the environment is safe, secure and legible;
 - provide an attractive setting for the building and activities within;
 - provide privacy for residents within the building;
 - ensure the protection and integration of important existing vegetation;
 - create an ecologically rich environment, incorporating a range of planting and habitat; and,
 - specify planting that offers sensory and seasonal interest.

For further details refer to the landscape section of the Design & Access Statement

KEY

- Site Boundary
- Levels (indicative - subject to confirmation by engineer)
- Existing Vegetation
 - Existing trees to retain
 - Existing hedge to retain
- Proposed Vegetation
 - Feature tree
 - Pleached tree
 - Multi-stem tree
 - Specimen plant
 - Ornamental hedge
 - Mixed ornamental border
 - Ground cover planting
 - Climbing plant
 - Meadow
 - Lawn
- Street Furniture
 - Pergola
 - Seat type 1
 - Seat type 2 (sculptural cubes)
 - Water feature
 - Sculptural feature
 - Raised plant bed (incorporating seating)
 - Raised plant bed (incorporating wicking system)
 - Greenhouse
 - Compost area
 - Bin store (enclosed within pergola, fence and trellis)
 - Cycle store
 - Sprinkler housing

Boundary Treatment, Access and Level Change

- 2-2.5m high timber acoustic fence
- 1.5m high grey steel railings
- 1.8m high timber fencing
- 1.5m high glass balustrade
- Timber trellis panels
- Vehicular gate
- Pedestrian gate
- Freestanding handrail
- Retaining wall and handrail
- Steps
- Ramp

Hard Surface Treatment

- Feature paving type 1
- Feature paving type 2
- Feature paving type 3
- Decking
- Resin bounded gravel
- Concrete block paving
- Tarmac surface
- Compacted gravel
- Stepping stones type 1
- Stepping stones type 2

Lighting

Lighting to consist of low level bollards, in ground lighting and feature lighting

Arboriculture

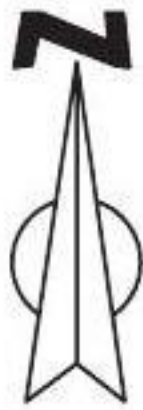
For details of existing vegetation to be retained and protection measure refer to the arboriculturalist's information

Ecology

For details of existing site ecology and recommendations refer to the ecologist's information

Architecture

For details of buildings, including details of the extensive green roof refer to the architect's plans



SCALE	PROJECT NO.	PROJECT
1:500@A2	CRM.1112.005.L.D.007	HAVANT HEALTH AND WELLBEING CAMPUS
DATE	DRAWING NO.	DRAWING TITLE
March 2015	7 (revision B)	LANDSCAPE PROPOSALS
DRAWN	CHECKED	CLIENT
SF	PB	HAMPSHIRE LIVING SPACE

Appendix B – Reptile Translocation Results

Date	Common Lizard				Slow Worm				Grass Snake				Adder				Other	
	Male	Female	Imm/?	Total	Male	Female	Imm/?	Total	Male	Female	Imm/?	Total	Male	Female	Imm/?	Total	Total	Description
05/09/15	0	0	0	0	3	3	4	10	0	0	0	0	0	0	0	0	0	-
06/09/15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
06/09/15	0	0	0	0	2	0	1	3	0	0	0	0	0	0	0	0	0	-
07/09/15	0	0	0	0	0	4	0	4	0	0	0	0	0	0	0	0	0	-
07/09/15	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	-
08/09/15	0	0	0	0	0	5	1	6	0	0	0	0	0	0	0	0	0	-
08/09/15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
09/09/15	0	0	0	0	0	7	1	8	0	0	0	0	0	0	0	0	0	-
09/09/15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
10/09/15	0	0	0	0	1	4	0	5	0	0	0	0	0	0	0	0	0	-
10/09/15	0	0	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0	-
11/09/15	0	0	0	0	3	5	2	10	0	0	0	0	0	0	0	0	0	-
11/09/15	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	-
12/09/15	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	-
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15/09/15	0	0	0	0	1	3	1	5	0	0	0	0	0	0	0	0	0	-
16/09/15	0	0	0	0	1	4	3	8	0	0	0	0	0	0	0	0	0	-
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03/10/15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
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25/05/16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
29/06/16	0	0	0	0	3	13	2	18	0	0	0	0	0	0	0	0	0	-
30/06/16	0	0	0	0	3	9	11	23	0	0	0	0	0	0	0	0	0	-
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05/07/16	0	0	0	0	1	10	6	17	0	0	0	0	0	0	0	0	0	-
06/07/16	0	0	0	0	0	0	4	4	0	0	0	0	0	0	0	0	0	-
13/07/16	0	0	0	0	1	0	4	5	0	0	0	0	0	0	0	0	0	-
14/07/16	0	0	0	0	2	2	10	14	0	0	0	0	0	0	0	0	0	-
19/07/16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
20/07/16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
21/07/16	0	0	0	0	0	2	3	5	0	0	0	0	0	0	0	0	0	-
25/07/16	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	-
26/07/16	0	0	0	0	0	1	4	5	0	0	0	0	0	0	0	0	0	-
28/07/16	0	0	0	0	2	4	3	9	0	0	0	0	0	0	0	0	0	-
01/08/16	0	0	0	0	4	5	7	16	0	0	0	0	0	0	0	0	0	-
02/08/16	0	0	0	0	3	0	4	7	0	0	0	0	0	0	0	0	0	-
03/08/16	0	0	0	0	4	11	7	22	0	0	0	0	0	0	0	0	0	-
04/08/16	0	0	0	0	0	4	1	5	0	0	0	0	0	0	0	0	0	-
08/08/16	0	0	0	0	1	6	5	12	0	0	0	0	0	0	0	0	0	-
09/08/16	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	-
10/08/16	0	0	0	0	0	2	2	4	0	0	0	0	0	0	0	0	0	-
11/08/16	0	0	0	0	0	3	1	4	0	0	0	0	0	0	0	0	0	-
12/08/16	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	-
16/08/16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
17/08/16	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	-
18/08/16	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	-
19/08/16	0	0	0	0	0	1	2	3	0	0	0	0	0	0	0	0	0	-
22/08/16	0	0	0	0	1	2	3	6	0	0	0	0	0	0	0	0	0	-
26/08/16	0	0	0	0	0	4	1	5	0	0	0	0	0	0	0	0	0	-
21/09/16	0	0	0	0	0	13	4	17	0	0	0	0	0	0	0	0	0	-
22/09/16	0	0	0	0	0	1	3	4	0	0	0	0	0	0	0	0	0	-
Totals	0	0	0	0	44	165	144	353	0	0	0	0	0	0	0	0	0	-

Date	Temp (°C)	Wind Speed	Cloud (%)	Precipitation
05/09/15	-	-	25	Dry
06/09/15	-	-	0	Dry
06/09/15	-	-	0	Dry
07/09/15	-	-	0	Dry
07/09/15	-	-	10	Dry
08/09/15	-	-	0	Dry
08/09/15	-	-	90	Dry
09/09/15	-	-	50	Dry
09/09/15	-	-	50	Dry
10/09/15	-	-	0	Dry
10/09/15	-	-	0	Dry
11/09/15	-	-	0	Dry
11/09/15	-	-	50	Dry
12/09/15	-	-	50	Dry
12/09/15	-	-	50	Dry
13/09/15	-	-	90	Dry
13/09/15	-	-	90	Dry
14/09/15	-	-	90	Dry
14/09/15	-	-	90	Dry
15/09/15	-	-	100	Drizzle
15/09/15	-	-	90	Dry
16/09/15	-	-	90	Dry
16/09/15	-	-	90	Drizzle
17/09/15	-	-	0	Dry
17/09/15	-	-	25	Dry
18/09/15	-	-	100	Dry
18/09/15	-	-	50	Dry
20/09/15	-	-	0	Dry
21/09/15	-	-	100	Dry
22/09/15	-	-	20	Dry
23/09/15	-	-	0	Dry
23/09/15	-	-	20	Dry
24/09/15	-	-	100	Dry
24/09/15	-	-	0	Dry
25/09/15	-	-	0	Dry
26/09/15	-	-	0	Dry
27/09/15	-	-	0	Dry
28/09/15	-	-	0	Dry
29/09/15	-	-	0	Dry
30/09/15	-	-	-	-
01/10/15	-	-	-	-
01/10/15	-	-	-	-
02/10/15	-	-	-	-
02/10/15	-	-	-	-
03/10/15	-	-	100	Dry
03/10/15	-	-	20	Dry
04/10/15	-	-	20	Dry
04/10/15	-	-	20	Dry

Date	Temp (°C)	Wind Speed	Cloud (%)	Precipitation
25/05/16	16	None	50	Dry
29/06/16	18	Light	100	Dry
30/06/16	18	Light	90	Dry
04/07/16	15	Light	100	Dry
05/07/16	16	Light	95	Dry
06/07/16	20	Light	20	Dry
13/07/16	17	Light	95	Dry
14/07/16	19	Light	5	Dry
19/07/16	33	Moderate	0	Dry
20/07/16	29	None	0	Dry
21/07/16	23	Light	70	Dry
25/07/16	18	Light	50	Dry
26/07/16	19	Light	95	Dry
28/07/16	18	Light	90	Dry
01/08/16	19	Light	95	Dry
02/08/16	19	Light	100	Drizzle
03/08/16	22	Light	95	Dry
04/08/16	22	Moderate	20	Dry
08/08/16	20	Light	0	Dry
09/08/16	24	Light	0	Dry
10/08/16	25	Light	60	Dry
11/08/16	26	Light	50	Dry
12/08/16	27	Light	0	Dry
16/08/16	20	Light	5	Dry
17/08/16	22	Moderate	5	Dry
18/08/16	22	Light	50	Dry
19/08/16	17	Moderate	100	Showers
22/08/16	20	Light	10	Dry
26/08/16	20	Light	5	Dry
21/09/16	16	Light	70	Dry
22/09/16	17	Light	80	Showers



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