



Armada Way Plymouth, Devon

Biodiversity Net Gain Assessment

67CA09-YGS-ZZ-XX-RP-J-009 BNG Design Stage Report

Prepared For: YGS Environmental Consultants Ltd (on behalf of Plymouth City Council)

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Executive Summary

Commission	The Environment Partnership (TEP) was commissioned by YGS Environmental Consultants (YGS) on behalf of Plymouth City Council to undertake a Biodiversity Net Gain (BNG) assessment of Armada Way located in Plymouth City Centre. The BNG Assessment is entirely voluntary on the part of Plymouth City Council. The Armada Way project does not require planning permission and therefore does not (nor will it be) subject to the mandatory BNG delivery requirements. The Defra Statutory Biodiversity Metric was applied to calculate the biodiversity impacts and determine the net gain outputs. Plymouth City Council has voluntary set a desired target of 20% net gain for the project.
Design Comparison	 Before completing the Biodiversity Impact Assessment to determine BNG results for the current landscape design, a comparison was made of the 'representative' biodiversity values of the current design against the previous design. The comparison was completed by entering each design (inclusive of new and retained habitats) into the 'baseline' section of the Statutory Biodiversity Metric, complying with the rules of the metric for both designs. In this comparison the current design represents a betterment in biodiversity value, between the two designs only. (Note this comparison does not and is not intended to represent biodiversity net change for the project as it relates to the existing baseline).
Baseline	 The project area measures 2.487ha and comprises the Public Realm of Armada Way in Plymouth city centre. The habitat baseline was informed by: Tree survey completed by YGS in late 2021 (YGS Arboricultural Impact Assessment (Report No: 67CA09-YGS-ZZ-XX-RP-J-010); Walkover survey completed in July 2022 by TEP; UKHab habitat survey completed in December 2022 by Simon Geary Ecology Services as part of a Preliminary Ecological Assessment (PEA); Updated tree survey completed by YGS in January 2024 (Report No 67CA09-YGS-ZZ-RP-J-012) Habitat condition assessments for baseline habitats were completed to inform this assessment, based on the combination of the findings from the above. Tree condition assessments for existing and proposed trees were completed in consultation with YGS. There were no significant constraints to the baseline surveys or condition assessments.
Post- Development	 The post-development habitats were interpreted from the following proposal drawings: Studio Agora/Rathbone Associates Drawing Ref: 67CA09-STA-ZZ-XX-DR-L-40-001 Proposed Soft Landscape Plan All Zones Studio Agora/Rathbone Associates Drawing Ref: 67CA09-STA-ZZ-XX-DR-L-30-001 Proposed GA Masterplan All Zones Habitat translations into UKHab were discussed with Studio Agora/Rathbone Associates. Impacts on existing trees and condition assessments for proposed trees were discussed with YGS.



	Tree removal across the site and habitat removal beneath the trees in Zone 1 were completed in March 2023. Landscape installation is not anticipated to commence until October 2024. Consequently, habitat creation delays of between two and three years were applied to delivery of habitat creation and enhancement measures.
Outcome	Under Option A, the SBM calculated a net loss of -4.22 BU (-41.15%) and under Option B, the SBM calculated a net loss of -0.37 BU (-6.73%) for area habitats. The SBM Trading Rules under both Options were not satisfied for habitats, due to net losses in Type A1 habitats (individual trees). Both Options calculated a net gain of +0.96 hedgerow units (>20% target).
Offsetting	Biodiversity offsetting is required for habitats. In addition to the proposed translocation of four trees offsite, additional tree planting (on or off site) is required to deliver the target 20% net gains with Trading Rules satisfied. An estimated 525nr additional trees are estimated to

be required, to be planted in appropriate location(s) offsite.



1.0 Introduction

- 1.1 The Environment Partnership (TEP) was commissioned in July 2022 by YGS Environmental Consultants Ltd (YGS) to undertake a Biodiversity Net Gain (BNG) Assessment for the proposed regeneration of Armada Way in Plymouth City Centre. This previous iteration of the BNG Assessment was reported in TEP Report Ref 9597.010 (Version 6, March 2023). TEP was subsequently commissioned in December 2023 to update the BNG Assessment based on a new landscape design.
- 1.2 The project area is located along Armada Way, from North Cross Roundabout in the north to Royal Parade in the south. Figure 1 shows the location of the site in the wider landscape. Only public realm aspects are included within the project, buildings facades facing the project area are excluded.



Figure 1: Site location and approximate boundary

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Site Description

- 1.3 The project area comprises a linear urban public realm dominated by paving and other hard surfacing with pockets and raised bed areas with tree and introduced shrub planting. A sealed cobbled swale runs through part of the project area.
- 1.4 The project area is divided into four zones:
 - Zone 1: North Cross roundabout to Mayflower Street;
 - Zone 2: Mayflower Street to Cornwall Street;
 - Zone 3: Cornwall Street to New George Street; and
 - Zone 4: New George Street to Parade Road.
- 1.5 Tree removal was implemented across the site in early 2023. Habitat removal beneath the trees was also implemented in Zone 1 during this time. Habitats beneath trees removed from Zone 2 and Zone 3 were retained. For the purposes of this BNG Assessment, tree removal across the site and habitat removal in Zone 1 were assumed to be completed by March 2023.

Proposals

- 1.6 The regeneration aims to replace this key route through the city centre with a new linear urban park that provides a clear visual link to the sea, the original ambition of Armada Way.
- 1.7 Regeneration proposals have been subject to public consultation. The current landscape design is illustrated at Annex A. The proposed design plans comprise:
 - Studio Agora/Rathbone Associates Drawing Ref: 67CA09-STA-ZZ-XX-DR-L-40-001 Proposed Soft Landscape Plan All Zones; and
 - Studio Agora/Rathbone Associates Drawing Ref: 67CA09-STA-ZZ-XX-DR-L-30-001 Proposed GA Masterplan All Zones.
- 1.8 Proposals will require removal of virtually all existing public realm features within the project area, including the majority of trees. Tree removal from across the project area and habitat removal from Zone 1 has already been completed (March 2023).
- 1.9 New features will include play and mixed use games areas for all ages, water-based play space, improved amenity settings, attractive resting places, refurbishment of the Braille Garden, Phoenix fountain and sundial, a new running water feature and linear tree planting. The design accounts for climate change and focusses on a tree stock more appropriate and resilient to an urban setting.



- 1.10 The project does not require planning permission. This BNG Assessment is a voluntary approach adopted by Plymouth City Council for the project.
- 1.11 Plymouth City Council has set a desired target of 20% net biodiversity gain for this project.

Relevant Policy and Legislation

Environment Act 2021

- 1.12 The Environment Act 2021 received Royal Assent on 9th November 2021 and includes a mandatory 10% biodiversity net gain on all Town and Country Planning Act 1990 developments. Mandatory 10% net gain will come into force on 12th February 2024 for major developments, with minor developments having an extended transition period until 2nd April 2024. Other types of development (for example, deemed permissions or permissions granted under a Local Development Order) are not (yet) subject to mandatory BNG.
- 1.13 Relevant secondary legislation includes:
 - The Biodiversity Gain (Town and Country Planning) (Modifications and Amendments) (England) Regulations 2024¹
 - The Biodiversity Gain Requirements (Exemptions) Regulations 2024²
 - The Biodiversity Gain Requirements (Irreplaceable Habitat) Regulations 2024³
 - The Biodiversity Gain Site Register Regulations 2024⁴

National Planning Policy Framework (NPPF)

- 1.14 Paragraph 180(d) of the revised NPPF (2023)⁵ states that "*Planning policies and decisions should contribute to and enhance the natural and local environment by* [...] *minimising impacts on and providing net gains for biodiversity* [...]". The Government 25year Environment Plan states that government will "[...] embed environmental net gain principle for development".
- 1.15 Guidance published by the government⁶ states that net gain in planning is "*a way of creating and improving natural habitats.* BNG makes sure development has a

PLANNING I DESIGN I ENVIRONMENT

¹ https://www.legislation.gov.uk/uksi/2024/50/contents/made

² https://www.legislation.gov.uk/uksi/2024/47/contents/made

³ https://www.legislation.gov.uk/uksi/2024/48/contents/made

⁴ https://www.legislation.gov.uk/uksi/2024/45/contents/made

⁵ https://assets.publishing.service.gov.uk/media/65a11af7e8f5ec000f1f8c46/NPPF_December_2023.pdf

⁶ https://www.gov.uk/government/collections/biodiversity-net-gain



measurably positive impact ('net gain') on biodiversity, compared to what was there before development'.

1.16 In terms of measuring net gain, the guidance requires use of a statutory biodiversity metric⁷ to measures (a) how many units a habitat contains before development; and (b) how many units are needed to replace the units of the habitat lost and to achieve 10% BNG.

Local Policies

- 1.17 Devon LPAs have worked with Natural England and other partners to produce the Devon BNG guidance⁸. Devon County Council expect applicants to provide 10% net gain in line with the Environment Act and advice from Natural England, although Individual LPAs within Devon may produce their own guidance setting out specific local requirements.
- 1.18 Planning Policy Dev26 in the Plymouth and South West Devon Joint Local plan 2014 2034 (Adopted March 2019)⁹ relates to protecting and enhancing biodiversity and geological conservation within the Plan Area. DEV26.5 relates specifically to Biodiversity Net Gain and states "Net gains in biodiversity will be sought from all major development proposals through the promotion, restoration and re-creation of priority habitats, ecological networks and the protection and recovery of legally protected and priority species populations. Delivery of net gains in biodiversity should be designed to support the delivery of the identified biodiversity network that crosses the Plan Area and links the city of Plymouth to the countryside and coast, as well as the network within the city itself. The level of biodiversity net gain required will be proportionate to the type, scale and impact of development…".
- 1.19 The Plymouth and South West Devon Supplementary Planning Document (Adopted July 2020)¹⁰ (SPD) provides further guidance for BNG assessments for developments in paragraphs 7.88 to 7.109. Of particular relevance, paragraph 7.88 states "*The LPAs will consider a 10 percent increase in biodiversity units when applying the Defra Biodiversity Metric to be policy compliant.*" The guidance references good practice when applying BNG to development and, at paragraph 7.107, sets out for the components of the Biodiversity Network for the Joint Plan Area. Further information relating to determining

⁷ https://www.gov.uk/government/publications/statutory-biodiversity-metric-tools-and-guides

⁸ Devon County Council (July 2022). Devon Planning Guidance for Biodiversity Compensation and Net Gain. https://www.devon.gov.uk/environment/wp-content/uploads/sites/112/2022/07/Devon-BNG-Guidance-at-July-2022.pdf

⁹ West Devon Borough Council, South Hams District Council and Plymouth City Council. Plymouth and South West Devon Joint Local plan 2014 – 2034 (Adopted March 2019) *https://www.plymouth.gov.uk/sites/default/files/JLP AdoptedVersion.pdf*

¹⁰ West Devon Borough Council, South Hams District Council and Plymouth City Council. Plymouth and South West Devon Supplementary Planning Document (Adopted July 2020) *https://www.plymouth.gov.uk/sites/default/files/JLPSPD2020FINALred.pdf*



'strategic significance' value within the Biodiversity Metric is provided in Appendix 6 of the SPD.

- 1.20 Policy DEV28 states "Development should be designed so as to avoid the loss or deterioration of woodlands, trees or hedgerows. If the loss of trees, woodlands or hedgerows, cannot be avoided, new native and locally appropriate trees and hedgerows will be secured as mitigation to ensure they contribute to a 'net gain'. Mitigation should be delivered on site, but if this is not achievable, offsite compensation will be required to provide a net gain in canopy cover in line with local standards."
- 1.21 Policy GRO6 of the Plymouth Plan 2014-2034 (adopted January 2021) states "The City will ensure that the natural environment is fully considered and embedded in the delivery of the city's vision for growth. The Natural Network will consist of a functional network of green and blue spaces that support a high quality of life for communities as well as providing an attractive environment for investment, space for nature to thrive and increased resilience to the impacts of climate change. The Natural Network includes public open space, allotments, play areas, woodlands, trees, playing pitches, Local Green Spaces, statutory and non-statutory designated sites, Strategic Greenspace Areas, Undeveloped Coast, Strategic Landscape Areas, Protected Landscape Areas, marine areas." The policy continues with a series of five key measures aimed to deliver Plymouth's natural network.

Aims of this report

Design Comparison

1.22 Section 2.0 of this report provides a simple comparison of the biodiversity values of the landscape designs for the current design against the previous design. This comparison has been completed as a technical exercise only and does not represent the biodiversity impact assessment of the current design. The purpose of undertaking this comparison was to demonstrate how the current landscape design performs in regards biodiversity value against the previous version. This comparison was made on the basis of both designs being treated 'as-built', excluding any influences from the changes to biodiversity metric calculations that have arisen since the previous iteration of the BNG assessment (changes to the biodiversity metric calculator tool, changes to rules of the biodiversity metric and changes in project timelines, notably timescales for delivery of habitat creation). The design comparison is demonstrative only, and is not intended to calculate the biodiversity impact of the project.



Biodiversity Impact Assessment of Current Design

- 1.23 Sections 3.0 to 6.0 of this report detail the methods, baseline conditions and postdevelopment conditions and calculates the anticipated biodiversity impact of the current landscape design.
- 1.24 The previous iteration of the BNG assessment applied Version 3.1 of the Biodiversity Metric tool, which has since been superseded by two later versions. The Statutory Biodiversity Metric is the current published version and has been applied to inform this assessment. While this project does not fall under the mandatory requirements of BNG delivery, the Statutory Biodiversity Metric has been applied as best practice.
- 1.25 Ordinarily, a Landscape Management Plan and a Biodiversity Net Gain Plan would also be required to support this BNG Assessment. As this project does not require planning permission and the BNG Assessment is undertaken as a voluntary measure by Plymouth City Council for the project, these plans do not form part of this assessment. Such plans may, however, be produced at a later date if desired by Plymouth City Council.



2.0 Design Comparison

- 2.1 Plymouth City Council requested a comparison of the biodiversity values between the previous and current proposed landscape designs for Armada Way:
 - Previous proposals Studio Agora/Rathbone Associates 'Soft Landscape General Arrangement' plan Drawing Ref: 67CA09-STA-ZZ-XX-DR-L-4520-001
 - Current proposals Studio Agora/Rathbone Associates 'Proposed Soft Landscape Plan All Zones' Drawing Ref: 67CA09-STA-ZZ-XX-DR-L-40-001.
- 2.2 Since the previous BNG Assessment, the published biodiversity metric calculator tool (and associated guidance) has changed. Furthermore, project timescales have also changed, notably timing for delivery of habitat creation.
- 2.3 To provide a direct comparison of biodiversity value between the current and previous designs, both were inputted into the Statutory Biodiversity Metric 'baseline' calculations, on the premise they are 'as-built'. Both calculations apply the proposed landscape features, translated into UKHab habitat types, and the condition and measurements, inclusive of trees retained or enhanced within the post-development setting for each design.
- 2.4 Table 1 presents calculations for the previous and current landscape designs and representative biodiversity unit values for area and hedgerow habitats for each. Both current and previous designs use the same 'palette' of landscape features. Translation of the landscape features into UKHab was identical, as were assignment of habitat distinctiveness, condition and strategic significance (methods for these processes are explained further in Section 3.0 of this report). Habitat area measurements, excluding individual trees, and linear measurements were transferred for proposed habitats from each design based on their footprints calculated directly from the landscape design plans. In the case of tree measurements, in accordance with the rules of the Statutory Biodiversity Metric, counts of trees (new and retained) for both designs were tallied according to tree size class and condition category and these tallies were entered into the Tree Helper tool within the Statutory Biodiversity Metric for each design and the resulting tree measurements were then used in the respective metric calculations.
- 2.5 This comparison exercise serves to demonstrate that the current landscape design does provide greater 'as-built' net biodiversity value than the previous design, all other factors (project timescales, establishment periods etc) being equal. The current design is therefore confirmed to represent a 'betterment' of biodiversity value than the previous design (in the order of 17%, proportionally between the two designs only).



Table 1: Design Comparison

¢.			JCe		Previous Design (67CA09-STA-ZZ-XX- DR-L-4520-001)		Current Design (67CA09-STA-ZZ-XX- DR-L-40-001)	
Landscape Feature	Habitat Type	Distinctiveness	Strategic Significan	Condition	Measure	Representative** Biodiversity Unit (BU) Value	Measure	Representative** Biodiversity Unit (BU) Value
All other areas	Developed land; sealed surface	V.Low	Low	N/A	1.893ha	0.15	1.918ha	0.00
Reeds	Bioswale	Low	Low	Fairly good	0.036ha	0.18	0.040ha	0.20
Rill	Bioswale	Low	Low	Poor	0.038ha	0.08	0.029ha	0.06
Ornamental grass / herbaceous planting	Introduced shrub	Low	Low	N/A	0.075ha	0.15	0.118ha	0.24
Rain garden	Rain garden	Low	Low	Fairly good	0.166ha	0.83	0.136ha	0.68
Amenity lawn	Modified grassland	Low	Low	Poor	0.104ha	0.21	0.066ha	0.13
Reinforced grass	Modified grassland	Low	Low	Poor	0.038ha	0.08	0.017ha	0.03
Shade tolerant wildflower meadow	Other neutral grassland	Medium	Low	Moderate	0.110ha	0.88	0.145ha	1.16
Clipped block hedge	Mixed scrub	Medium	Low	Poor	0.027ha	0.11	0.017ha	0.07
Individual trees	Urban Tree	Medium	Low	Good	0.012ha (3nr small)	5.37	0.029ha (3nr small, 1nr medium)	0.34
Individual trees	Urban Tree	Medium	Low	Moderate	0.672ha (153nr small, 3nr medium)	0.55	0.839ha (162nr small, 11nr medium)	6.71



			JCe	1	Previous De (67CA09-S DR-L-4520-	esign TA-ZZ-XX- 001)	Current Design (67CA09-STA-ZZ-XX- DR-L-40-001)	
Landscape Feature	Habitat Type	Distinctiveness	Strategic Significan	Condition	Measure	Representative** Biodiversity Unit (BU) Value	Measure	Representative** Biodiversity Unit (BU) Value
Individual trees	Urban Tree	Medium	Low	Poor	0.138ha (34nr small)	0.18	0.122ha (26nr small, 1nr medium)	0.49
Clipped / loose formal hedge	Non-Native and Ornamental Hedge	Low	Low	Poor	0.45km	0.45	1.06km	1.00
Soft landscape (vegetated) net	area			0.594ha		0.569ha	
Total number tre	es retained / e	nhanced (w	ithin proje	ect area)	24nr		39nr	
Total number tre	es planted (wit	hin project a	area)		169nr		165nr	
Total estimated length of hedge planting (within project area)					0.45km		1.06km	
Representative total biodiversity unit value of area habitats (including individual trees)					8.58**		10.11**	
Representative habitats	total biodiver	sity unit va	lue of he	edgerow	0.45**		1.06**	

2.6 ** NOTE the above comparison only presents a means to compare the different postdevelopment schemes, as if they were 'as-built' in lieu of any of other habitat delivery factors or considerations. The biodiversity unit values presented in Table 1 are not the actual biodiversity unit values for the project and do not represent any calculation of net gains compared to existing baseline habitats. The unit values calculated in Table 1 are representative, comparable only between the two designs. Habitat delivery timescales, timings for new or enhanced habitats to reach their target conditions and several other factors must be accounted for when calculating the actual biodiversity impact of the current project design. The biodiversity impact assessment for the current project design is presented in Sections 3.0 to 6.0 of this report.



3.0 Biodiversity Impact Assessment Methods

Survey Methods

Desk Study

3.1 A search of pre-existing information relating to statutory and non-statutory wildlife designations and habitats of conservation priority was undertaken in August 2022. Sources included Devon County Council, Natural England and Environment Agency data, accessed via the Devon County Council environment viewer and MAGIC websites.

Habitat Survey

- 3.2 A habitat walkover was completed by an experienced ecologist¹¹ in July 2022. Preliminary Ecological Appraisal (PEA) was subsequently completed by Simon Geary Ecology Services in December 2022. The PEA included a habitat survey completed in accordance with the UK Habitat Classification system (UKHab), extended to include preliminary appraisal for protected and notable species.
- 3.3 Digitisation of the baseline area and linear based habitats was undertaken by a TEP Associate Ecologist¹² in accordance with the UK Habitat Classification User Manual (2020)¹³, informed by the July 2022 walkover survey and December 2022 PEA. Habitat types were mapped according to the dominant vegetation communities noted within each habitat parcel or feature.

Tree Survey

3.4 A survey of trees on the site was conducted by YGS between 30th October and 3rd November 2021¹⁴. The survey was by means of inspection from ground level in accordance with BS 5837:2012 Trees in relation to design, demolition and construction – Recommendations. The presence of Tree Preservation Orders, Conservation Areas, Ancient Woodland and Veteran Trees was ascertained by YGS during the course of their

¹¹ CEcol MCIEEM MemMBA with over 20 years' experience of ecological surveys, Preliminary Ecological Appraisal and Ecological Impact Assessment

¹² CEnv MICEEM Certified to FISC Level 4 with over 20 years' experience of ecological surveys, Preliminary Ecological Appraisal and Ecological Impact Assessment

¹³ UKHab (2023) UK Habitat Classification Version 2.0 (at https://www.ukhab.org/)

¹⁴ YGS Environmental Consultants Ltd (2021) Plymouth Better Places Baseline Tree Survey Report, for Plymouth City Council, November 2021



tree survey. The survey was updated by YGS in January 2024¹⁵ (following removal of the majority of trees in early 2023).

Habitat Condition Assessment

- 3.5 Condition assessment of area and linear habitats and urban trees present, predevelopment, was undertaken by a TEP Associate Ecologist¹², applying guidance forming part of the Statutory Biodiversity Metric⁶.
- 3.6 The condition assessment of area and linear based habitats was informed by the habitat walkover survey and PEA, but in consideration of the exceptionally dry season experienced in 2022, a precautionary approach was adopted where appropriate for individual condition criteria.
- 3.7 The condition assessment of urban trees was informed by the tree survey data provided by YGS Ltd and in consultation with YGS Ltd.

BNG Assessment

- 3.8 The site's baseline habitats have been assessed using the Statutory Biodiversity Metric and technical guidance⁶. The assessment was undertaken by TEP Principal and Associate Ecologists¹² between July 2022 and January 2024, as an iterative process while post-development designs have been revised and refined.
- 3.9 The Statutory Biodiversity Metric is a tool designed to enable developers to measure the change in biodiversity across their site. It determines if there will be net gain, net loss or no net loss of biodiversity following completion of their development and any subsequent management regime.
- 3.10 To calculate the change in biodiversity value across a site, a site survey is undertaken by a suitably qualified ecologist to determine the habitats present on site, their location, size, and condition. This information is then digitised and the resulting information fed into Statutory Biodiversity Metric.
- 3.11 Note that while area calculations may be entered into the metric calculation tool using more than two decimal places, the 'Total area' at the bottom of the 'Area' columns will not display more than two decimal places. As a consequence of this rounding built into the metric calculation tool, there may be minor deviations between individual feature areas and site total areas. Similar minor deviations between individual feature biodiversity unit

¹⁵ Tree Survey Update January 2024 YGS Report No 67CA09-YGS-ZZ-RP-J-012



scores and total units delivered may also be displayed. This is unavoidable due to the in-built mechanics of the metric. Any such minor deviations do not represent errors.

3.12 The principles of biodiversity net gain as set out in the Biodiversity Net Gain Good Practice Guidelines¹⁶ have been considered throughout this process, as discussed in Section 8.0.

Determining Strategic Significance

3.13 Strategic significance was determined through a thorough desktop review of local planning policy and other relevant documentation. This included the Plymouth and South West Devon Joint Local plan, the Plymouth and South West Devon Supplementary Planning Document and the 'Ecology and Geology' and 'Nature Recovery Network' layers of Devon County Council Environment Viewer¹⁷.

Post-Development Calculations

- 3.14 Post-development calculations have been based on the Armada Way proposals plans presented in Annex A and the Tree Protection Plan and tree schedules presented within the YGS Arboricultural Method Statement (AMS)¹⁴, updated by the YGS Tree Survey (January 2024)¹⁵.
- 3.15 Target condition has been assessed based on the number of criteria which can reasonably be achieved for each habitat type, considering management opportunities and levels of public access. Target condition for urban trees has been calculated in consultation with YGS. Target conditions for area and linear habitats and urban trees were calculated applying the condition assessment guidance presented in the Statutory Biodiversity Metric Technical Supplement.
- 3.16 Delays of either two or three years to habitat creation have been applied to trees in Zones
 1 to 3 and to habitats in Zone 1. These delays reflect the anticipated timescales between
 the tree and habitat removal (March 2023) and the implementation of landscaping:
 - Zone 1: Tree transplantation spring 2024, installation of landscaping October 2024;
 - Zone 2: Vegetation removal June 2024, installation of landscaping April 2025;
 - Zone 3: Vegetation removal March 2025, tree transplantation spring 2024, installation of landscaping July 2025;
 - Zone 4: Completion of landscaping December 2025.

¹⁶ CIEEM, IEMA & CIRIA (2019). Biodiversity Net Gain. Good Practice Principles for Development. A Practical Guide. 17 https://www.devon.gov.uk/environment/environmental-maps [Accessed July-August 2022]



4.0 Baseline Conditions

Important Ecological Features

- 4.1 No statutory or non-statutory designated sites are located within the site boundary for the proposed development.
- 4.2 The desktop search identified three internationally significant statutory wildlife sites within 10km of the Site:
 - Plymouth Sound and Estuaries Special Area of Conservation (SAC) 800m south;
 - Tamar Estuaries Complex Special Protection Area (SPA) 3.9km west; and
 - Blackstone Point SAC 9.7km southeast.
- 4.3 There are nine nationally significant statutory wildlife sites within 5km of the site:
 - Plymouth Sound Shores and Cliffs Site of Special Scientific Interest (SSSI) 1.4km southeast;
 - Richmond Walk SSSI 1.6km west;
 - Wallsend Industrial Estate SSSI 1.7km southeast;
 - Western King SSSI 1.8km southwest;
 - Faraday Road SSSI 2km east;
 - Mount Wise SSSI 2.1km southwest;
 - St John's Lake SSSI 3.9km west;
 - Billacombe SSSI 4km east; and
 - Kingsand to Sandway Point 4.9km southwest.
- 4.4 There are no statutory locally designated sites such as Local Nature Reserves present within 2km of the site.
- 4.5 Review of MAGIC and the Devon County Council's Environment Viewer websites identified no non-statutory wildlife sites or notable habitats within or adjacent to the site.
- 4.6 No irreplaceable habitats are present within or adjacent to the site.

Strategic Significance

4.7 The site is not allocated for nature conservation within the local plans. With respect to the Nature Recovery Network layer in the Environment Viewer, no existing conservation priority habitats or Nature Recovery Areas were identified within or linking with the site.



- 4.8 The entire site is identified within the 'Habitat Suitability' area of the Devon Nature Recovery Network Map for 'Lowland Dry Acid Grassland with woodland W10' (Primary Habitats) and 'Lowland Meadow with woodland W10' (Secondary Habitat). The Devon Local Nature Partnership describes the Habitat Suitability layer as habitats most suited to the physical characteristics of that 'area' based on underlying geology, soils and landscape. Primary habitats are those most likely to be present in an 'area' if it was in a near-natural state. Secondary habitats represent the next most likely habitat. However, considering the extremely urban nature of the site, within the city centre, the site is not considered to be in a 'near-natural state'.
- 4.9 Overall, the site is considered to be of low strategic significance for nature conservation. All area and linear based habitats and urban trees are therefore assigned as "Area/compensation not in local strategy/ no local strategy" within the Statutory Biodiversity Metric.

On-Site Baseline Habitats

- 4.10 The site area measures 2.491ha and largely consists of hardstanding, with amenity grassland, introduced shrub and scattered trees with smaller areas of other habitats including SUDS pools, bare ground, ornamental hedgerows and a fountain.
- 4.11 As described at paragraph 1.5, tree removal across the site has already been completed, in addition to removal of habitats from Zone 1. Habitats remain across the rest of the site, along with trees identified for retention (including enhancement) or transplantation. For the purposes of this BNG Assessment, the baseline is applied to habitats prior to removal. Habitat creation delays are applied to account for the time duration between removal and subsequent installation of new landscaping.
- 4.12 Baseline habitats, net areas and resulting habitat unit values calculated using the Statutory Biodiversity Metric are presented in Figure 2.

On-Site Baseline Condition Assessment

- 4.13 The condition assessment criteria scores and details of the condition assessment for baseline habitats are provided in Annex B. Condition assessment of the existing urban trees was informed by the YGS tree survey data, additional consultation with YGS and survey findings from the PEA.
- 4.14 Table 2 summarises the on-site baseline habitat assessment. Further information is presented in the Assessor Comments column within the completed Statutory Biodiversity Metric (Annex C).





Figure 2: Baseline habitats and habitat unit values within the survey area

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Table 2: Site Baseline Biodiversity Assessment

Habitat Type	Measure	Distinctiveness	Condition	Strategic Significance	Biodiversity Units (BU)				
Area Habitats									
Developed land; sealed surface	1.816ha	V.Low	N/A	Low	0.00				
Introduced shrub	0.260ha	Low	N/A	Low	0.52				
Modified grassland	0.375ha	Low	Poor	Low	0.75				
Artificial unvegetated, unsealed surface	0.023ha	V.Low	N/A	Low	0.00				
Sustainable drainage system	0.017ha	Low	Poor	Low	0.03				
Urban Tree	0.704ha**	Medium	Poor	Low	2.80**				
Urban Tree	0.700ha**	Medium	Moderate	Low	5.57**				
Urban Tree	0.049ha**	Medium	Good	Low	0.59**				
Linear Habitats									
Non-Native and ornamental hedgerow	0.05km	Low	Poor	Low	0.05				

** NOTE: Area measures for individual trees in the Statutory Biodiversity Metric must use the 'Tree Helper' tool built into the metric calculator. This tool applies a 'proxy' area according to four size classes of tree, determined by stem diameter at breast height (DBH), to represent the biomass of the individual tree. The previous iteration of the biodiversity assessment (applying Version 3.1 of the metric tool) used the actual RPA measurements for the urban trees within the site, as calculated from the Tree Survey. This explains the apparent change in baseline habitat measures between this iteration and the previous iteration of the BNG Assessment. (The net area of the urban trees within the project area was calculated 0.682ha, compared to 1.445ha calculated for the current assessment).

5.0 Post-Development Habitats

On-Site Proposed Design

- 5.1 The proposed scheme comprises a linear green park with a central axis footpath and a grand boulevard in the south leading to the waterfront. Proposed habitats will offer biodiversity and/or amenity value and will consist of a range of grasslands and sustainable urban drainage features with soft and hard landscaping providing a mix of amenity, play and resting spaces.
- 5.2 Post-development landscape proposals are presented in Appendix A. Proposed habitats translated into UKHab for the purposes of this BNG Assessment are illustrated in Figure 3. Explanation of the translation from the masterplan proposals (Annex A) to the UKHab classification system are summarised in Table 3 (with further detail relating to target conditions summarised in Table 7).
- 5.3 It is assumed from discussions with YGS that all remaining baseline habitats, other than the 39 trees identified for retention/enhancement and the 4 trees identified for translocation, will be lost within the project proposals.
- 5.4 The tree stock was understood to be generally inappropriate to their urban setting, with several causing damage to the built environment and numerous trees suffering from previous inappropriate management, damage and historic poor planting conditions. The majority of trees have now been removed. Of the 39 trees to be retained, 33 will be enhanced to a better condition by merit of their improved new setting within the proposed scheme in addition to the adoption of a long-term management plan that will deliver more sympathetic management and maintenance for the retained and new stock.
- 5.5 The Statutory Biodiversity Metric 'Tree Helper' tool was used to calculate net areas for new urban trees proposed in the post-development landscape. All new trees were assumed to be within the 'small' size class in accordance with current guidance.
- 5.6 The proposals include replacement planting of 165 new trees. Of these, 113 trees will possess a girth of 20-25cm (approximate dbh of 8cm) and 33 trees will possess a girth of 35-40cm (approximate dbh of 12.5cm). The new trees will therefore be mature at planting, approximately 7-8m tall. Considering the planting sizes, species and likely growth rates, those trees planted with an approximate girth of 35-40cm would reach the 'medium' size within a 30 year time frame. This would deliver an additional net gain above that presently calculated. However, in accordance with current guidance, all new trees are set to the 'small' size class for the purposes of this BNG assessment.



AREA AND LINEAR HABITATS: 57 60 60 61 61 55 Loose ornamental hedge > 'Nonnative and ornamental hedgerow', 'Poor' condition - est xxm Clipped ornamental hedge > 'Nonnative and ornamental hedgerow', 18 10 7 15 59 'Poor' condition - est xxm 14 Lawn (amenity): 'Grassland modified grassland', 'Poor' condition -0.066ha Lawn (reinforced): 'Grassland -Zone 1 Zone 1 modified grassland', 'Poor' condition -0.017ha Meadow (shade tolerant wildflower meadow turf): 'Grassland - other neutral grassland', 'Moderate' condition - 0.142ha Block hedge planting: 'Heathland and shrub - mixed scrub', 'Poor' condition - 0.017ha Ornamental planting (grass and MayflowerSt herbaceaous): 'Urban - introduced shrub', (condition n/a) - 0.106ha A Fountain: 'Urban - developed land. sealed surface', (condition n/a) -NA NA <0.01ha Rain garden: 'Urban - rain garden', Zone 2 As Zone 2 'Fairly good' condition - 0.138ha 125 113 Reedbed: 'Urban - bioswale', 'Fairly good' condition - 0.041 1 Rill: 'Urban - bioswale', 'Poor' condition - 0.029ha A All other area habitats assigned as 'Urban - developed, sealed surface' or 'Urban artificial unsealed surface' (condition n/a) -1.925ha 82 44 URBAN TREES: Enhancement to 'Good' condition Zone 3 Zone 3 Enhancement to 'Moderate' condition 0 Retention -'Moderate' condition 0 Retention - 'Poor' condition 109 A New tree - 'Moderate' condition A 73 New tree - 'Poor' condition A 74 A **Retention and Enhancement:** 33 trees enhanced (improved condition) 6 trees retained (condition unchanged) Creation: T153 T138 139 new trees, small size, moderate E 0 F152 condition T139 26 new trees, small size, poor condition Zone 4 Zone 4 T151 T140 Translocation: h F150 4 existing trees to be translocated (offsite location to be confirmed) T149 NOTE: habitat creation delays of 2 years 148 for Zones 1 and 2 and 3 years for Zone 3, 0 T147 due to timescales from tree removal (completed March 2023) to installation of T146 new landscapes (commencing October 2024). 60 0 10 20 40 80 100 ⊐ metres Contains OS data © Crown Copyright and database right 2024 G9597.01.002 Royal Parade

Figure 3: Proposed post-development habitats and habitat unit values within the survey area



On-Site Target Habitat Conditions

- 5.7 Target condition of area and linear based habitats and urban trees proposed have been calculated in consultation with YGS and have also been reviewed during the iterative assessment process by Plymouth City Council.
- 5.8 Proposed post-development habitats and habitat unit values are illustrated in Figure 3. Details of the target condition assessment for post-development habitats are presented in Annex D and summarised in Table 3.
- 5.9 The proposed urban trees are predicted to have either 'poor' or 'moderate' condition. Note that this condition assessment does not signify health or viability of a tree nor does it correspond to tree retention categories (refer to the AMS for further information), but applies specific criteria that, in combination, seek to represent the biodiversity value of the tree. Such criteria include if the tree is native or non-native and what proportion of the ground below the canopy is vegetated, for example. Of the 165 new trees to be planted, 26 are predicted to achieve 'poor' condition and 139 'moderate' condition.
- 5.10 The Statutory Biodiversity Metric calculation tool applies a 'final time to target condition' of 10 years for trees of 'poor' condition and 27 years for moderate 'condition' trees. Given advanced size at planting, average growth rates and predicted condition categories, it can be confirmed with confidence therefore that the proposed new tree planting will deliver the biodiversity net gains predicted by the Statutory Biodiversity Metric calculation tool within these identified establishment periods.
- 5.11 A time delay of two years has been applied for habitat creation in Zone 1. A time delay of two years has been applied for tree planting in Zones 1 and 2 and a delay of three years has been applied for tree planting in Zone 3. It is understood that habitat creation in Zones 2 and 3 will be implemented within one year of habitat loss. No delay or advancement in habitat creation is therefore anticipated for these zones. Standard times to target conditions from the point of habitat creation and tree planting are applied automatically within the metric.
- 5.12 The projected post-development habitat assessment as calculated within the Statutory Biodiversity Metric calculation tool is summarised at Table 3.



Table 3: Post-development Biodiversity Assessment

Landscape Feature	Habitat Type	Measure	Distinctiveness	Projected Condition	Strategic Significance	Habitat Delay (yrs)	Biodiversity Units (BU)				
Area Habitat	Area Habitats Created										
Reeds	Bioswale	0.040ha	Low	Fairly good	Low	2 (Zone 1 only)	0.12				
Rill	Bioswale	0.029ha	Low	Poor	Low	2 (Zone 1 only)	0.04				
Ornamental grass / herbaceous planting	Introduced shrub	0.118ha	Low	N/A	Low	2 (Zone 1 only)	0.22				
Rain garden	Rain garden	0.136ha	Low	Fairly good	Low	2 (Zone 1 only)	0.58				
Amenity Iawn	Modified grassland	0.066ha	Low	Poor	Low	2 (Zone 1 only)	0.12				
Reinforced grass	Modified grassland	0.017ha	Low	Poor	Low	2 (Zone 1 only)	0.03				
Shade tolerant wildflower meadow	Other neutral grassland	0.145ha	Medium	Moderate	Low	2 (Zone 1 only)	0.91				
Clipped block hedge	Mixed scrub	0.017ha	Medium	Poor	Low	2 (Zone 1 only)	0.06				
All other areas	Developed land; sealed surface	1.918ha	V.Low	N/A	Low	2 (Zone 1 only)	0.00				
Individual trees	Urban Tree	0.106ha	Medium	Poor	Low	2 (Zones 1 and 2)	0.27				
Individual trees	Urban Tree	0.566ha	Medium	Moderate	Low	3 (Zone 3)	1.60				
Area Habitat	s Enhanced		-	-	-	-					
Individual trees	Urban Tree	0.191ha	Medium	Moderate	Low	2 (Zones 1 and 2)	1.20				
						3 (Zone 3)					



Landscape Feature	Habitat Type	Measure	Distinctiveness	Projected Condition	Strategic Significance	Habitat Delay (yrs)	Biodiversity Units (BU)	
Individual trees	Urban Tree	0.029ha	Medium	Good	Low	2 (Zones 1 and 2) 3 (Zone 3)	0.29	
Area Habitats Retained								
Individual trees	Urban Tree	0.008ha	Medium	Moderate	Low	n/a	0.65	
Individual trees	Urban Tree	0.016	Medium	Poor	Low	n/a	0.07	
Linear Habitats								
Clipped / loose formal hedge	Non-Native and Ornamental Hedge	1.06km	Low	Poor	Low	2 (Zone 1 only)	1.00	

Off-Site Habitats

Transplantation

- 5.13 Four trees are proposed for transplanting: T045 in Zone 1 and T119, T120 and T125 in Zone 3. Receptor locations are yet to be confirmed. For the purposes of this BNG Assessment, it is presumed that the trees would be transplanted into soft landscape with appropriate aftercare and long-term management. Enhancement of the target condition of T119, T120 and T125 would therefore be anticipated as a consequence of transplantation (changing from 'poor' condition to 'moderate'), while the target condition of T045 would remain at 'moderate'.
- 5.14 Transplantation has been accounted for within the Statutory Biodiversity Metric by assuming 'loss' of the trees from the project area and 'creation' of trees within an offsite location. This is considered an appropriate approach as the risk multipliers applied for 'creation' within the metric calculations would account for practical risk of the transplantation process.



6.0 Biodiversity Impact Assessment Results

6.1 The biodiversity assessment has been undertaken using the Statutory Biodiversity Metric calculation tool to quantify the change in biodiversity units for the planning application area between the pre-development baseline and post-development retained, enhanced and created habitats.

Summary Results - Prior to Offsetting

6.2 Detailed results of the assessment are provided in the Statutory Biodiversity Metric presented at Annex C. The summary headline results, calculated from the metric prior to the inclusion of the additional offset requirements described at paragraphs 5.13 to 6.16, are presented at Table 4.

	Habitat units	10.26		
On-site baseline			Hedgerow units	0.05
			Watercourse units	0.00
	Habitat units	6.16		
On-site pos	st-interv	vention	Hedgerow units	1.00
(Including habitat retent	ion, creation &	& enhancement)	Watercourse units	0.00
	. 1		Habitat units	-4.10
On-site :	net cha	nge	Hedgerow units	0.95
(units &	percentage)		Watercourse units	0.00
	Habitat units	0.12		
OII-SITE I	net cha	nge	Hedgerow units	0.00
(units &	percentage)		Watercourse units	0.00
			Habitat units	-3.98
(Including all on-site & off-site habitat retention, creation & enhancement)			Hedgerow units	0.95
			Watercourse units	0.00
			Habitat units	-38.77%
Total net	t % cha	inge	Hedgerow units	1893.48%
(Including all on-site & off-site hab	(Including all on-site & off-site habitat retention, creation & enhancement)			0.00%
Trading rules satisfied?			No - Check Trad	ing Summaries 🔺
Unit Type	Target	Baseline Units	Units Required	Unit Deficit
Habitat units	20.00%	10.26	12.31	6.03
Hedgerow units	20.00%	0.05	0.06	0.00
Watercourse units	20.00%	0.00	0.00	0.00

Table 4: Summary of Biodiversity Metric Results Prior to Offsetting



6.3 Table 6 demonstrates that the project would, in the absence of additional offsetting, result in a net loss of biodiversity value. A shortfall of 6.03 habitat units was calculated, representing a net loss of 38.85%. The Trading Rules were not satisfied as a consequence the net loss of Type A1 habitats, specifically 'individual trees'.

Implications of Transferring to the Statutory Biodiversity Metric

- 6.4 The previous iteration of the BNG Assessment for the Armada Way project applied the Biodiversity Metric V3.1. The BNG Assessment for the current design has been updated applying the Statutory Biodiversity Metric, which is the current published version (and which will be the mandatory metric for applicable projects as of 12th February 2024). The transfer of the BNG Assessment to the Statutory Metric therefore applies best practice, even though the BNG Assessment is not (and would not be) a mandatory requirement for the Armada Way project.
- 6.5 The previous iteration of the BNG Assessment calculated net gains in excess of 20% in the absence of offsetting. The current iteration calculates net loss of -38.85% for area habitats. The proposals have been revised since the previous iteration of the BNG Assessment, but these changes in layout are considered minor overall.
- 6.6 The net loss calculated for the current scheme (Table 6) is a consequence of the different mechanics of the Statutory Biodiversity Metric (specifically, differences in the way measures for individual trees are recorded) in combination with the early tree and habitat removal which has resulted in delays being applied to habitat creation (taken from the point of habitat removal). As explained in Section 2.0 of this report, the current landscape design does present a 'betterment' in biodiversity value of the final scheme compared with the previous design.

Measurements for individual trees

- 6.7 While transfer from the previous metric version to the Statutory Biodiversity Metric has not resulted in significant changes for linear habitats or most area habitats, a key change in the rules of the Statutory Biodiversity Metric requires application of the 'Tree Helper' tool within the metric calculator to measure areas for individual trees.
- 6.8 As explained in the note below Table 2, the application of the Statutory Biodiversity Metric requires the application of the Tree Helper tool to calculate area values for individual trees (urban or rural). The Tree Helper tool requires existing individual trees to be categorised by size class (small, medium, large or very large) and by condition (poor, moderate or good). Multipliers are then applied to the resulting count of trees, calculating the net habitat area for individual trees in each size class and condition category. While the size



class is based upon stem diameter, this approach is not intended to calculate 'root protection areas' in any strict sense. The intention is to capture the biomass volume of an individual tree.

6.9 The consequence of this different approach however has been to more than double the effective net area of the individual tree baseline habitats from the previous iteration, with a corresponding scaling up the baseline Biodiversity Unit (BU) values. Table 5 summarises the differences between urban tree area and BU value calculations between the previous and the current metrics.

Tree condition	RPA calculated from tree survey applied in V3.1	Corresponding BU Value	Proxy habitat area calculated by SBM Tree Helper tool	Corresponding BU Value
Poor	0.315ha	1.26	0.704ha	2.8
Moderate	0.350ha	2.80	0.700ha	5.57
Good	0.017ha	0.20	0.049ha	0.59
Total	0.682ha	4.26	1.454ha	8.96

Table 5: Differences in calculations for individual trees – the 'Tree Helper' tool

- 6.10 Furthermore, under the rules of the Statutory Metric, newly planted trees must be considered 'small' unless the tree is physically within the larger size classes at the time of planting. Advanced age of nursery stock cannot be used to apply an 'advanced habitat creation' factor.
- 6.11 It should be noted, however, that even if the previous approach to calculating the habitat areas for individual trees within the baseline were applied to the current BNG Assessment, the outcome would still result in a net loss of biodiversity value (albeit a smaller loss). This is due to the second fundamental difference in the current BNG Assessment the habitat creation delay discussed below.

Habitat Creation Delay

- 6.12 As noted in preceding sections and captured in Table 3, a habitat creation delay has been applied in this BNG Assessment. Since the previous iteration, tree removal and some habitat removal has been completed within the project area. All trees not identified for retention or transplantation have been felled. For the purposes of the metric calculations, this habitat removal was assumed to be completed in March 2023.
- 6.13 Landscape installation is not anticipated in Zone 1 until October 2024, in Zone 2 until April 2025and in Zone3 until July 2025. Consequently, habitat creation delays for tree planting



in these zones have been applied as two years for Zones 1 and 2 and for three years for Zone 3. Habitat delays for other area habitats have been applied within Zone 1. No habitat delays have been applied for area habitats within other zones as the anticipated timescales would result in less than 12 months between removal of the existing landscape and installation of the new landscape. No habitat creation delays have been applied to translocation of trees, as this process is assumed to be immediate.

6.14 The application of delays of up to three years in habitat creation has resulted in an overall reduction of the biodiversity unit value of the final landscape scheme as a consequence of penalty weightings within the metric calculations.

Final Results - With Offsetting

- 6.15 Based on the summary results of the BNG Assessment (Table 4), offsetting is required for area habitats, specifically Type A1 habitats individual trees. A deficit of 6.04 habitat units was calculated by the Statutory Biodiversity Metric as the unit shortfall.
- 6.16 This BNG Assessment has therefore included an indicative offset scenario to determine the offset requirement for the project to deliver the voluntary target of 20% net gains. The assumptions applied for offsetting requirements were as follows:
 - Small trees (DBH 75-300mm) would be planted, these including whips to small standards within planting groups, but preferably at least large feathered if trees are to be planted individually or in visually prominent locations (staked and guarded if appropriate to location);
 - Trees to achieve moderate condition (native or non-native species, specimens planted in a good state of health and planted into soft landscaping);
 - Based on the above parameters and the unit shortfall identified from the BNG calculations, the minimum number of new trees needed for project to deliver 20% net gain target would be 525;
 - A net area of approximately 1.4ha is assumed, which accommodates up to 5m spacing assuming all trees would be planted as 'individuals', however denser spacing (to min 1.5m) could be appropriate to create small stands/groups/lines;
 - Planting is assumed to occur within amenity grass site(s). There would be no change to the underlying baseline habitat (new planted trees would simply oversail).
 - The offset may be delivered at a single site or multiple sites; and
 - Planting is assumed to be delivered by March 2025 (up to a two year habitat creation delay).
- 6.17 The additional offset is calculated to be representative of 525 new trees of a 'small' size and with a target condition of 'moderate' as described at paragraph 6.16. Location(s) for



delivering this additional offset are yet to be identified. The summary headline results taken from the metric which include this additional offset requirement are presented at Table 6.

	Habitat units	10.26		
On-site baseline			Hedgerow units	0.05
			Watercourse units	0.00
	Habitat units	6.16		
On-site pc	On-site post-intervention			1.00
(Including habitat rete	(Including habitat retention, creation & enhancement)			0.00
	· 1		Habitat units	-4.10
On-site	net cha	nge	Hedgerow units	0.95
(units	& percentage)		Watercourse units	0.00
	Habitat units	6.21		
Off-site	net cha	nge	Hedgerow units	0.00
(units	& percentage)		Watercourse units	0.00
T (()) ()	Habitat units	2.11		
'l'otal net unit change (Including all on-site & off-site habitat retention, creation & enhancement)			Hedgerow units	0.95
			Watercourse units	0.00
	Habitat units	20.53%		
(Including all on-site & off-site ha	Total net % change			1893.48%
(,		Watercourse units	0.00%
Trading rules satisfied?			Ye	s√
Unit Type	Target	Baseline Units	Units Required	Unit Deficit
Habitat units	20.00%	10.26	12.31	0.00
Hedgerow units	20.00%	0.05	0.06	0.00

Table 6: Summary of Biodiversity Metric Results

6.18 Assuming the additional offset requirement is delivered as described in Section 4, the results of the BNG Assessment indicate a net gain of +20.45% for area-based habitats and a net gain of +1893.48% for linear habitats.



7.0 Implementation, Management and Monitoring

- 7.1 This BNG assessment has been undertaken in support of plans for the regeneration of Armada Way in Plymouth City Council and as discussed in the previous sections.
- 7.2 The detail of the implementation of habitat enhancement and creation actions are provided in the proposals plans at Annex A which set out the planting types for the site.
- 7.3 The BNG results set out in Table 6 of Section 6.0 are contingent upon the implementation of the soft landscape arrangement achieving the habitat types and conditions as specified within the BNG metric, as illustrated in Figure 3 and as set out in Section 5.0. Table 7 summarises the assumptions made regarding implementation of the soft landscaping proposals, following previous discussions with the landscape design team (Studio Agora and Rathbone Partnership, with YGS Environmental Consultants providing additional advice regarding trees).

Soft Landscape Feature Proposed (Annex A)	BNG Metric Habitat Type Proposed (Figure 3)	Target Condition (Annex C)	Polygon / Feature ID (Figure 3 and Annex C)	Total Measure or Count
"Clipped bulk hedge" 0.6m high, density @ 8-10 per m2, groups of x3 per species	"Heathland and shrub, Mixed scrub" Continuous (>90%) cover, less than 5m tall, comprising native woody shrub/scrub species, no Schedule 9 listed species, no single species to be dominant.	 "Poor" At least three native woody species, with no one species comprising >75% cover; and Absence of invasive non-native species and sub-optimal species make up <5% of ground cover 	29, 30, 31, 32, 64, 65, 133, 134	0.017ha
"Rain garden planting" density @ 8-10 per m2	"Urban, Rain garden" Planted with deep rooted plants and grasses to capture rain water runoff.	 "Fairly Good" Varied vegetation structure providing opportunities for wildlife. A single ecotone should not account for more than 80% of the area; Native rich mixes, but will also include non- 	21, 24, 39, 40, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 88, 90, 93, 94, 95, 96, 99, 104, 105, 107, 108	0.136ha

Table 7: Implementation of Soft Landscape Plans



Soft Landscape Feature Proposed (Annex A)	BNG Metric Habitat Type Proposed (Figure 3)	Target Condition (Annex C)	Polygon / Feature ID (Figure 3 and Annex C)	Total Measure or Count
		 native plants that will be beneficial to wildlife; and Absence of invasive non-native species. 		
"Ornamental grass / herbaceous planting zones" Density @ 10- 12 per m2	"Urban, Introduced shrub" Non- native tall phanerophytes, mid- phanerophytes or low phanerophytes planted in garden or park setting.	N/A condition assessment not required. Should avoid invasive non- native species and maximise species of benefit to wildlife and structural diversity where possible.	15, 18, 26, 27, 28, 33, 34, 35, 36, 37, 38, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 76, 87, 92, 97, 98, 100, 101, 102, 103, 106, 113, 131, 138	0.118ha
"Amenity lawn turf" Pre-grown robust Tillers Area Turf	"Grassland, modified grassland" Vegetation dominated by a few fast-growing grasses on fertile neutral soils.	 "Poor" Cover of scrub <20%; Cover of bare ground <10%; Cover of bracken <20%; and Absence of invasive non-native species. 	3, 5, 8, 9, 16, 17	0.066ha
"Reinforced grass" (concrete unit as staccato in seeded grass or pre-grown crate system)	"Grassland, modified grassland" Vegetation dominated by a few fast-growing grasses on fertile neutral soils.	 "Poor" Cover of scrub <20%; Cover of bare ground <10%; Cover of bracken <20%; and Absence of invasive non-native species. 	4, 6, 7, 10, 11, 12, 13, 14, 19, 137	0.017ha
"Meadow" Pre-grown Boston Seed shade tolerant wildflower turf – approx. 40 UK native wildflower species, shade and drought tolerant,	"Grassland, other neutral grassland" Neutral grasslands that are neither lowland or upland hay meadow. Generally includes	 "Moderate" Must average more than 9 species per m2; Wildflowers must be indicative of neutral soil for the habitat type and be easily visible throughout the sward; Cover of bare ground less than 5%; Cover of bracken <20%; 	20, 22, 23, 25, 132, 135, 136	0.145ha



Soft Landscape Feature Proposed (Annex A)	BNG Metric Habitat Type Proposed (Figure 3)	Target Condition (Annex C)	Polygon / Feature ID (Figure 3 and Annex C)	Total Measure or Count
established height 30-75cm	species rich, rank and/or unmanaged swards on neutral soils.	 Cover of scrub <5%; No physical damage from excessive poaching or machinery etc; and Absence of invasive non-native species. 		
"Reeds" Density @ 6 per m2	"Bioswale" Vegetated and gently sloped feature designed to manage water runoff, filter pollutants and increase rainwater filtration.	 "Fairly Good" Varied vegetation structure providing opportunities for wildlife. A single ecotone should not account for more than 80% of the area; Native rich mixes, but will include non-native plants that will be beneficial to wildlife; Absence of invasive non-native species; and Water table is at or near the surface throughout the year. 	89, 91, 109, 110, 111, 112, 114, 115, 116, 117, 118, 119, 120, 121, 139	0.040ha
"Rill"	"Bioswale" Vegetated and gently sloped feature designed to manage water runoff, filter pollutants and increate rainwater filtration.	 "Poor" Absence of invasive non-native species; and Water table is at or near the surface throughout the year. 	122, 123, 124, 125, 126, 127, 128, 129, 130	0.029ha
Retained / enhanced trees	"Urban Trees" Trees enhanced in condition by merit of improved setting and long-term management.	 "Good" Continuous canopy; and Little or no evidence of an adverse impact on tree health by anthropogenic activities such as vandalism or herbicide use, trees retain >75% of expected canopy for their age range and height. 	T001, T004, T006, T079	4nr trees



Soft Landscape Feature Proposed (Annex A)	BNG Metric Habitat Type Proposed (Figure 3)	Target Condition (Annex C)	Polygon / Feature ID (Figure 3 and Annex C)	Total Measure or Count
		 Also, <u>at least three</u> of the following: Native species (new / retained trees); Mature (reaches at least 2/3 expected height for the species – retained trees only); Micro-habitats for birds, mammals, insects are present e.g. deadwood, cavities, ivy, loose bark (retained trees only); More than 20% of canopy oversails vegetation beneath (new / retained trees). 		
Retained / enhanced trees	"Urban Trees" Trees retained in situ and trees enhanced in condition by merit of improved setting and long-term management.	 "Moderate" Continuous canopy; and Little or no evidence of an adverse impact on tree health by anthropogenic activities such as vandalism or herbicide use, trees retain >75% of expected canopy for their age 	T002, T003, T005, T007, T008, T075, T076, T077, T078, T080, T081, T082, T083, T084, T109, T118, T121, T122, T138, T139, T140, T141, T142, T143, T144, T145, T146, T147, T148, T149, T150, T151, T152, T153	34nr trees
New specimen trees	"Urban Trees" New trees with girths of either 18-20cm or 40- 45cm at time of planting	 Also, <u>at least one</u> of the following: Native species (new / retained trees); Mature (reaches at least 2/3 expected height for the species – retained trees only); Micro-habitats for birds, mammals, insects are present e.g. deadwood, cavities, ivy, loose bark (retained trees only); More than 20% of canopy oversails vegetation beneath (new / retained trees). 	5nr Chanticleer Callery Pear 6nr Cockspur Hawthorn 4nr Common Alder 5nr Cut Leaved Alder 10nr Double Crimson Hawthorn 10nr Golden Birch 26nr Himalayan Birch 27nr Lienco Field Maple 6nr London Plane (topiary roof form) 10nr Mayfield Maidenhair 4nr New Horizon Elm 1nr Scots Pine 3nr Silver Birch 6nr Silver Lime 6nr Snowy Mespilus (Juneberry) 9nr Stone Pine 1nr Tree of Heaven	139nr 'small' trees


Soft Landscape Feature Proposed (Annex A)	BNG Metric Habitat Type Proposed (Figure 3)	Target Condition (Annex C)	Polygon / Feature ID (Figure 3 and Annex C)	Total Measure or Count
Retained / enhanced trees	"Urban Trees" Trees retained in situ	 "Poor" Continuous canopy; Little or no evidence of an advorse impact on 	T085	1nr tree
New specimen trees	"Urban Trees" New trees with girths of either 18-20cm or 40- 45cm at time of planting	tree health by anthropogenic activities such as vandalism or herbicide use, trees retain >75% of expected canopy for their age range and height.	 1nr Chanticleer Callery Pear 1nr Judas Tree 6nr London Plane (topiary roof form) 4nr New Horizon Elm 1nr Norway Maple 3nr Stone Pine 10nr Turkish Hazel 	26nr 'small' trees
"Clipped formal hedge"	"Hedge Ornamental Non Native"	 "Poor" Hedges are projected to be maintained without gaps between canopy and ground level and along lengths. Hedges projected to fail other condition criteria (presumed to comprise non- native species and will be located within urban park context). 	Linear habitats	Est. 450m



8.0 Good Practice Principles for Development

8.1 An appraisal of the project against the ten good practice principles for BNG is set out in Table 8.

Table 8: Appraisal against Good Practice Principles

Good Practice Principle	Commentary
1. Apply the mitigation hierarchy	Proposals, and particularly tree removal requirements, were subject to thorough consideration of the existing stock and how this would work with plans for regeneration of Armada Way. Tree survey showed that only 22% of the trees were considered suitable for long term retention. It was also identified that existing trees were causing damage to the built environment, with 42% of trees considered to be causing either minor or visually identifiable damage or will do so in future. Current design increases tree retention to 39nr. Trees retained or enhanced including the only category A tree (of high quality) within the project boundary, 31 (33%) category B trees (trees of moderate quality or value capable of making a significant contribution to the area for 20 or more years) and 7 (14%) category C trees. Of these, 33 trees will also be enhanced post-development, compared to their baseline condition assessment. A further four trees (2 category B and 2 category C) will be transplanted to a suitable location offsite.
2. Avoid losing biodiversity that cannot be offset by gains elsewhere	No irreplaceable habitats or protected areas will be lost or affected by this application.
3. Be inclusive and equitable	Discussions have been held between the designers, client and local planning authority in order to agree on the design. Council led scheme has involved community consultation and design changes have been implemented as a consequence of this consultation, including additional tree retention and alterations to proposed specimen tree species.
4. Address risks	A considered approach to target condition has been taken in order to ensure that these are achievable, thereby reducing the risk of failure during the 30 years of management. New tree planting will provide significantly better rooting systems to promote healthier trees, with limited on-going maintenance (limb removal, pollarding etc) whilst the integration of a sustainable drainage system with the new tree pits will ensure trees receive the amount of water and nutrients they require to prosper. Management and monitoring, to be included within a landscape and habitat management plan, will ensure remedial action is taken to enable target conditions to be achieved.
5. Make a measurable Net Gain contribution	With additional offsetting identified, the project would result in a net gain of 2.11 BU (20.53%) for area habitats and a net gain of 0.95 BU (1893.48%) for hedgerow habitats within the site.
6. Achieve the best outcomes for biodiversity	The creation of new habitats within the site will maximise the opportunities for biodiversity within this urban area. Of particular significance, the new trees



Good Practice Principle	Commentary
	are selected from varieties that will be more suited to urban environments and will be planted using modern best practice techniques that will best support establishment of the new tree stock. Mature and semi-mature trees are to be retained and larger sized specimens are to be included within the planting proposals, giving biodiversity a 'head start'. Furthermore, a number of existing trees to be retained will have their poor planting situations (imposed by the past planting scheme) enhanced and long-term management will encourage vitality and longevity of the trees.
7. Be additional	The creation of new types of habitat, including meadow grassland, mixed native shrub planting, biodiverse rain gardens and reedbed and their management for biodiversity for the next 30 years will add value to this urban area.
8. Create a Net Gain legacy	The BNG approach adopted for Armada Way is entirely voluntary on the part of Plymouth City Council. The project is not (nor will it be) subject to mandatory BNG requirements for development. New planting, including tree planting, will improve bio-resilience to pests and climate change including increasing temperatures, drought and extreme weather events, something which the current over provision and monoculture of particular species does not enable. The increased species diversity will provide year round interest including bark texture, leaf, flower/fruit, scent, autumn colour and more usable areas of shade during hot weather to align with the proposed new uses of Armada Way. The new trees will be planted with staggered lifespans to enable future replacement in a phased manner so that large scale replacement in a short period of time will not be needed. The landscape and habitat management plan and the targets and monitoring it includes will ensure that habitats achieve and are maintained at their predicted target condition, ensuring a net gain legacy for habitats on the site.
9. Optimise sustainability	The retained and newly planted trees will contribute to urban cooling and will also attenuate rainfall, slowing down absorption by the soil and preventing localised flooding. The grassland, introduced shrub, rain garden and bioswale habitats will provide diverse and vibrant greenspace which will be enjoyed by local residents and visitors to the city bringing benefits for physical and mental wellbeing. There is intention to reuse the timber from felled trees to create natural play spaces in the city centre and surroundings, as well as explore other opportunities, as well as the provision of timber. The Council is also looking at opportunities to translocate some additional trees which are of an appropriate size and suitably to be moved and will be reusing healthy shrubs in other parks or offering to the public for donation. It should be noted though that this translocation is additional – this measure is not required to deliver the net gains predicted for the proposed scheme.
10. Be transparent	This report provides a transparent method for the (voluntary) BNG assessment ensuring that all stakeholders can follow the process through.

www.tep.uk.com



Annex A: Development Proposals - Soft Landscape General Arrangement Plans



Scale @ A0. 1:500 Data Drawn: Drawn by: 09.11.2023 DC Checked by: Suitability D2 Revision P02

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ARMADA WAY PUBLIC REALM, PLYMOUTH

PROPOSED SOFT LANDSCAPE PLAN - ALL ZONES soft GA/planting types/soils/cells/typical maintenance
 Solid g/Al:
 Date Dawn
 Date by
 Checked by
 Statistity:
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 1:500
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Annex B: Baseline Habitat Condition Assessment

Survey Cover Sheet			
Survey date/s	October - November 2021 July 2022 December 2022	Site name or location	Plymouth
Weather conditions	Fine, dry	Project or development name	Armada Way
Surveyor name	YGS Environmental Consultants Ltd TEP Ltd Simon Geary Ecology Services Ltd	On-site or off-site	On site
Survey reference	Plymouth Better Places Baseline Tree Survey Report (YGS, November 2021) Armada Way Public Realm, Plymouth - Preliminary Ecological Appraisal (PEA) Report incorporating a bat tree roost assessment. Final Report (Simon Geary Ecology Services Ltd) December 2022	Reason for assessment (if not baseline condition survey)	Tree surveys and Preliminary Ecological Assessment to inform proposed re-design of the Public Realm
Notes		·	•

Notes

Habitat condition assessment informed by combination of walkover completed by TEP in July 2022 and UKHab Survey completed by SGES Ltd.

Tree condition assessment informed by combination of data from YGS Environmental Consultants Ltd Tree Survey and SGES Ltd UKHab survey.

With the exception of amenity grass (modified grassland), two small temporary SUDS and the urban trees, the habitats within the site were confirmed to be restricted to urban types: (a) sealed surface, ornamental shrub, or building that do not require condition assessment; and (b) ornamental non-native hedgerow for which condition is fixed at poor.

Site or	Condition choote	Total number of	Number of	f parcels of	each conditio	on achieved	ł	Netes
location	Condition sheets	habitat parcels	Good	Fairly Good	Moderate	Fairly Poor	Poor	Notes
On-site	Grassland low distinctiveness	28 parcels					28	
On-site	Individual trees	Small size	0		20		53	
		Medium size	3		38		30	
		Large site	0		0		0	
		Very Large site	0		0		0	
On-site	Urban - SUDS feature	2 parcels					2	

UK Habitat Classification (UKHab) Habitat Type sland - Modified grassland

OI USSIUIIU	- Moullieu grassialiu		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	
Small areas	s of modified (amenity) gr	assland within urban setting (city centre). UKHab g4, 66,	210,	1100	0, 122	20																					**************************************			
On-site or	off-site, site name and	Armada Way	Sur nan	vey (ne	date	and	Surv	eyor		Octo July Dece	2022 embe	- Nov 2 - TE er 202	P Ltd 22 Sin	r 202	1 - YO	Ecolo	ogy Se	men ervic	tal Co	insul	tants	Ltd								
location		-	Sur to a	vey i wid	refer er su	ence rvey	(if ro	elatir	ıg	Arm inco	ada \ rpora	Vay F Nay F	er Pla Public a bat t	ces E Realr ree n	aselir n, Ply oost a	ne Ir mou sses	ee Su th - Pr smen	rvey elim t. Fin	Repo nary al Re	rt (Y Ecole port	GS, N ogical (Simo	Nover I App on Ge	nber raisa eary l	2021 I (PEA) A) Re gy Se	port ervice	es Lto	d) De	cemt	ber 2022
Limitations	s (if applicable)	None reported	42 Grid	43 d ref	67 eren	81 ce	##	##	##	##	##	##	## ;	## #	## #	# #	# ##	##	##	##	##	##	##	##	##	##	##	##	##	
Condition	Assessment Criteria		Crit	erio	0.020	hear	(Vec	or N	0)																					Notes (such as justification)
A	There are 6-8 vascular p (these may include those for achieving Moderate Where the vascular plant very high distinctiveness species per m ² (excludin UKHab description to as as a higher distinctivenen high, or very high distinc	lant species per m ² present, including at least 2 forbs listed in Footnote 1). Note - this criterion is essential e or Good condition. It species present are characteristic of medium, high or grassland, or there are 9 or more of these characteristic g those listed in Footnote 1), please review the full sess whether the grassland should instead be classified as grassland. Where a grassland is classed as medium, tiveness, please use the relevant condition sheet.	N	N	N	N	N	N	N	N	х	N	N	N	NN		I N	N	N	N	N	N	N	N	х	N	N	N	N	species poor amenity turf
в	Sward height is varied (a 20% is more than 7 cm) vertebrates and inverteb	t least 20% of the sward is less than 7 cm and at least creating microclimates which provide opportunities for rates to live and breed.	N	N	N	N	N	N	N	N	N	N	N	N	N N	I N	I N	N	N	N	N	N	N	N	N	N	N	N	N	mown short and uniform
с	Any scrub present account scattered scrub such as Note - patches of scrub w classified as the relevant	unts for less than 20% of the total grassland area. (Some bramble <i>Rubus fruticosus</i> agg. may be present). with continuous (more than 90%) cover should be scrub habitat type.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	ΥY	· ,	Y Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	mown short and uniform - amenity space, no scrub present
D	Physical damage is evide physical damage include storage, erosion caused management activities.	ant in less than 5% of total grassland area. Examples of excessive poaching, damage from machinery use or by high levels of access, or any other damaging	N	N	N	N	N	N	N	N	N	N	N	N	N N	I N	I N	N	N	N	N	N	N	N	N	N	N	N	N	compaction from amenity use
E	Cover of bare ground is example, a concentration	between 1% and 10%, including localised areas (for n of rabbit warrens) ² .	N	N	N	N	N	N	N	N	N	N	N	N	NN		N N	N	N	N	N	N	N	N	Ν	N	N	N	N	erosion from amenity use
F	Cover of bracken Pteridi	<i>um aquilinum</i> is less than 20%.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y Y	' \	' Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	and uniform -
G	of WCA ⁴).	Essential criterion achieved (Yes or No)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y Y	י ז ו א	(Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	and uniform -
•		Number of criteria passed	3	3	3	3	3	3	3	3	3	3	3	3	3 3		3 3	3	3	3	3	3	3	3	3	3	3	3	3	
Condition (out of 7 ci	Assessment Result riteria)	Condition Assessment Score	Sco	ore A	chie	ved ×	:I√																							
Passes 6 o passing est	r 7 criteria including sential criterion A	Good (3)																												
Passes 4 o passing es	r 5 criteria including sential criterion A	Moderate (2)																												
Passes 3 o OR Passes 4 - criterion A)	r fewer criteria; 6 criteria (excluding	Poor (1)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	ΥY	. ,	ÝÝ	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
Suggested	l enhancement intervent	tions to improve condition score																												
							F	ootno	otes																					

Footnote 1 – Creeping thistle Cirsium arvense, spear thistle Cirsium vulgare, curled dock Rumex crispus, broad-leaved dock Rumex obtusifolius, common nettle Urtica dioica, creeping buttercup Ranunculus repens, greater plantain Plantago major, white clover Trifolium repens and cow parsley Anthriscus sylvestris.

Footnote 2 – For example, this could include small, scattered areas of bare ground allowing establishment of new species, or localised patches where not exceeding 10% cover.

Footnote 3 – Assess this for each distinct habitat parcel. If the distribution of invasive non-native species varies across the habitat, split into parcels accordingly, applying a buffer zone around the invasive non-native species with a size relative to its risk of spread into adjacent habitat, using professional judgement.

Footnote 4 – Wildlife and Countryside Act 1981 (as amended).

Condition Sheet: URBAN Habitat Type

Habitat Type Sparsely vegetated land - Ruderal/Ephemeral Sparsely vegetated land - Tall forbs Urban - Allotments Urban - Biodiverse green roof Urban - Bioswale Urban - Cemeteries and churchyards Urban - Facade-bound green wall Urban - Ground based green wall Urban - Intensive green roof Urban - Open mosaic habitats on previously developed land Urban - Rain garden Urban - Sustainable drainage system (SuDS) Urban - Vacant or derelict land Urban - Bare ground Habitat Description

Two areas standing water (on hard core, no vegetation, part of SUDS) and ornamental fountain (below mappable size in isolation).



July 2022 (left) - features dry. December 2022 UKHab survey (SGES Ltd) did not identify presence of standing water. Google Streetmap imagery (right) confirms temporary water present at least occasionally.

On-site or	off.site site name and	On-site Armada Way	Survey da name	te and Surv	reyor	October - N July 2022 - December	lovember 2 TEP Ltd 2022 Simor	021 - YGS E n Geary Ecol	Environment logy Service	al Consultar es Ltd	nts Ltd		
location	on-site, site name and		Survey ref a wider su	ierence (if r rvey)	elating to	Plymouth B Armada Wa incorporatin December	etter Places ay Public Re ng a bat tree 2022	s Baseline T alm, Plymou e roost asse	ree Survey uth - Prelimi ssment. Fina	Report (YGS nary Ecolog al Report (S	S, Novembe ical Apprais imon Geary	r 2021) al (PEA) Rep Ecology Se	oort rvices Ltd)
		None reported	Habitat pa	rcel refere	nce								
Limitation	s (if applicable)		239	255									
			Grid refer	ence								-	
													Notes (such
Condition	Assessment Criteria												as
			Criterion p	bassed (Yes	or No)								justification)
Core Crite	ria - must be assessed for	all urban habita	at types:										
	Vegetation structure is va opportunities for vertebra	aried, providing ates and											no vegetation
A	single structural habitat of vegetation type does not	and breed. A component or account for al habitat area	N	N									
в	The habitat parcel contai plant species that are be wildlife, for example flow providing nectar sources invertebrates at different	ns different neficial for ering species for a range of times of year	N	N									no vegetation
c	Invasive non-native plant on Schedule 9 of WCA ¹) which are to the detrimen wildlife (using profession cover less than 5% of the area ³ .	species (listed and others nt of native al judgement) ² e total vegetated	Y	Y									no vegetation
	Note - to achieve Good criterion must be satisf complete absence of in native species (rather t cover).	condition, this ied by a vasive non- han <5%											
Additional	Criteria - must be assesse	d for Bioswale a	and SuDS ha	abitat types	only:	1		1	1		1	-	
E1	Plant species are mostly native species are present not be detrimental to the wildlife ⁴ .	native. If non- nt, they should habitat or native	N	N									no vegetation
E2	The vegetation is compri species suited to wetland situations.	sed of plant d or riparian	N	N									no vegetation
Es	ssential criteria relevant achie	for habitat type ved (Yes or No)	N	N									
	Number of	criteria passed	1	1									
Condition	Assessment Result	Condition Assessment Score	Score Ach	ieved ×/√									

Condition Sheet: URBAN Habitat 1	Гуре													
Results for Bioswale or SuDS (requ	iring assessment	of 5 criteri	a - core crite	eria plus ad	ditional crite	ria specified	l for habitat	type):						
Passes all 3 core criteria; AND Meets the requirements for Good condition within criterion C; AND Passes all additional criteria	Good (3)													
'asses 3 or 4 of 5 criteria; Noderate (2) 'asses 5 of 5 criteria but does not eet the requirements for Good indition within criterion C. Moderate (2)														
Passes 2 or fewer of 5 criteria.	Poor (1)	Y	Y											
Suggested enhancement interven	tions to improve	e condition	score											
Footnotes														
Footnote 1 – Wildlife and Countrysic	de Act 1981 (as a	mended).												
Footnote 2 – Sources of information Home » NNSS (nonnativespecies.or and Natural England Access to Evide	about detriment g) ence page should	al non-native d also be che	e species ca ecked for up	an be found o-to-date inf	on the GB N	Non-native S	Species Sec	retariat (GB	NNSS) web	site:				

Horizon-scanning for invasive non-native plants in Great Britain - NECR053 (naturalengland.org.uk) For criterion C – For green roof habitat types only – buddleia *Buddleja davidii* should be assessed alongside Schedule 9 species. This species impairs the health of the local ecosystem Alternative plants » NNSS (nonnativespecies.org)

Conditio	on Sheet:	INDIVIDUAL TI	REES Habita	at Type								Condition Ass	assmant Critaria					TREE HE			
Individus	l trees _ l	Irban trees										A		c	D	E	E	TREE HE	Numbe	er of trees f	or each
Individua	il trees – R e a conditi	Rural trees	ch tree or bl	ock of trees								The tree is a	The tree canopy	The tree is	There is little or no	Natural	More than	Tree	Poor (0,1	ndition sta Moderate	Good (5
												native species (or at least	is predominantly continuous, with	mature (or more than	evidence of an adverse impact on tree health by	ecological niches for	20% of the tree canopy	Size Class	or 2 out of 6)	(3 or 4 out of 6)	or 6 out of 6)
Habitat City cen	Descriptio re trees, a	on all considered to	be	On-site o	or off-sit	e, site n	ame and	location	Limitat	ions (if a	applicable)	70% within the block are	gaps in canopy cover making up	50% within the block are	human activities (such as vandalism,	vertebrates and	area is oversailing	Small (75-	53	20	0
individua although	I trees for some 'ad	purposes of me jacent' trees ma	etric - ay touch.	Armada W	ay, Plym	outh			None re	eportea		species).	area and no	mature)'.	herbicide or detrimental	are present,	beneath.	300mm)	<u> </u>	<u> </u>	
144nr tro small siz	ees in tota e), range o	I (71 medium si of ages. Majorit	ze and 73 y are non-	October -	Novemb	er 2021	r name - YGS Er	vironment	al Consu	Itants Lt	d	-	being >5 m wide		agricultural activity). And there is no current regular	presence of deadwood.		Medium (301-	30	38	3
or amen	ty grassla	o sealed surfaci nd.	es (paved)	December	- TEP LU 2022 Si	imon Ge	ary Ecolo	gy Service	es Ltd			-	automatically pass this		pruning regime, so the trees retain	cavities, ivy or loose bark.		600mm)			
				Survey re	terence	(if relati	ing to a v	/ider surv	ey)			-	criterion).		>75% of expected canopy for their age			Large (601-	0	0	0
				Tree Surve Arboricultu	ey Data E ural Meth	Extracted nod State	d from YC ement Re	S Environ f 67CA09-	mental C YGS-ZZ-	Onsultar	nts Ltd J-010.				range and height.			900mm) Very	<u> </u>		
				Wildlife da Services P	ta (e.g. c PEA	riteria E)	extracte	d from Sin	ion Gear	y Ecolog	jical							Large (901+m	0	0	0
Habitat							Stem	Multi-										m) Nr			
parcel ref.	Zone	Common Name	Name	Variety	Ht (m)	Nr. Stems	DBH (mm)	stem DBH (mm)	RPA (m2)	RPA_r (m)	Life Stage	Criterion pass	ed (Yes or No)					Criteria Passed	Condition	Size Class	Impact
6009	1	Fan Palm	Trachycarpus		5	1	310		10.2		Matura	Fail	Pass	Pass	Fail	Fail	Pass	3	Moderate	Medium	Lost
0000			fortunei				510		10.2		Wature			1 400			1 400	Ĕ			
G090	2	Holly, Feather	llex aquifolium, Cordvline sp.		6	1	250		48.8		Early Mature	Pass	Pass	Fail	Fail	Fail	Pass	3	Moderate	Small	Lost
		Cockspur	Crataequs		_									_		_					
1001	1	Thorn	crus-galli		6	1	300		40.72	3.6	Mature	Fail	Pass	Pass	Fail	Pass	Pass	4	Moderate	Small	Enhanced
T002	1	Cockspur	Crataegus crus-galli		4	1	220		21.24	2.6	Semi Mature	Fail	Pass	Fail	Fail	Fail	Pass	2	Poor	Small	Enhanced
											Feder										
т003	1	Wild Cherry	Prunus avium		6	1	310		43.01	3.7	Mature	Pass	Pass	Fail	Fail	Fail	Fail	2	Poor	Medium	Enhanced
T004	1	Wild Cherry	Prunus avium		5	1	250		28.27	3	Semi	Pass	Pass	Fail	Fail	Pass	Fail	3	Moderate	Small	Enhanced
											Mature									 	
т005	1	Cockspur Thorn	Crataegus crus-galli		5	1	260		30.19	3.1	Early Mature	Fail	Pass	Fail	Fail	Fail	Pass	2	Poor	Small	Enhanced
7006	4	Cockspur	Crataegus		6	4	270		20.17	2.2	Matura	[ail	Dava	Dees	Fail	Dees	Peee		Madarata	Cmall	Enhanced
1008	'	Thorn	crus-galli		0	'	270		32.17	3.2	Mature	raii	Pass	Pass	raii	Pass	Pass	4	Woderate	Smail	Ennanceu
т007	1	Cockspur Thorn	Crataegus crus-galli		6	1	390		69.4	4.7	Mature	Fail	Pass	Pass	Fail	Fail	Pass	3	Moderate	Medium	Lost
		Tree of	Ailanthus																		
T008	1	Heaven	altissima		10	1	590		158.4	7.1	Mature	Fail	Pass	Pass	Fail	Fail	Pass	3	Moderate	Medium	Retained
T010	1	Apple	Malus sp.		6	1	370		60.82	4.4	Mature	Fail	Pass	Pass	Fail	Fail	Fail	2	Poor	Medium	Lost
											Somi										
T011	1	Whitebeam	Sorbus aria		4	1	160		11.34	1.9	Mature	Pass	Pass	Fail	Fail	Fail	Fail	2	Poor	Small	Lost
T012	1	Purple Cherry	Prunus cerasifera		4	1	120		6.158	1.4	Young	Fail	Pass	Fail	Fail	Fail	Fail	1	Poor	Small	Lost
			'Pissardi'																<u> </u>		<u> </u>
T013	1	Whitebeam	Sorbus aria		5	1	200		18.1	2.4	Mature	Pass	Pass	Fail	Fail	Fail	Fail	2	Poor	Small	Lost
T014	1	Swedish	Sorbus		7	1	380		66.48	4.6	Mature	Pass	Pass	Pass	Fail	Fail	Pass	4	Moderate	Medium	Lost
		Whitebeam	mermedia															<u> </u>			
T015	1	Amelanchier	Amelanchier sp.		3	1	100		4.524	1.2	Semi Mature	Fail	Pass	Fail	Fail	Fail	Pass	2	Poor	Small	Lost
T016	1	Contorted	Salix sp		10	1	460		95.03	5.5	Mature	Fail	Pass	Pass	Fail	Fail	Pass	3	Moderate	Medium	Lost
	-	Willow																			
T017	1	Sumac	Rhus sp.		2	1	60		1.539	0.7	Young	Fail	Pass	Fail	Pass	Fail	Pass	3	Moderate	Small	Lost
7040		Contorted					050		55.40	4.0	Early	[ail	Dava	Coll.	[ail	F =3	Pasa	2	Deer	Madium	Leat
1018	1	Willow	Salix sp.		9	1	350		55.4Z	4.2	Mature	Fall	P855	raii	raii	raii	Pass	2	POOR	Medium	LOSI
T019	1	Whitebeam	Sorbus aria		7	1	340		52.81	4.1	Mature	Pass	Pass	Pass	Fail	Fail	Pass	4	Moderate	Medium	Lost
							-				Farly										
т020	1	Whitebeam	Sorbus aria		8	1	330		50.27	4	Mature	Pass	Pass	Fail	Fail	Fail	Pass	3	Moderate	Medium	Lost
T021	1	Feather Palm	Cordyline sp.		3	1	120		6.158	1.4	Semi Mature	Fail	Pass	Fail	Fail	Fail	Pass	2	Poor	Small	Lost
																		<u> </u>			
T022	1	Whitebeam	Sorbus aria		8	1	390		69.4	4.7	Mature	Pass	Pass	Pass	Fail	Fail	Pass	4	Moderate	Medium	Lost
т023	1	Silver Maple	Acer		12	1	430		84.95	5.2	Mature	Fail	Pass	Pass	Fail	Fail	Pass	3	Moderate	Medium	Lost
			sacchannum															<u> </u>		<u> </u>	
T024	1	Silver Maple	Acer saccharinum		12	1	430		84.95	5.2	Mature	Fail	Pass	Pass	Pass	Fail	Pass	4	Moderate	Medium	Lost
T025	1	Pear	Pyrus sp	Ornament	6	1	170		12 57	2	Semi	Fail	Pass	Fail	Fail	Fail	Pass	2	Poor	Small	Lost
	ľ		,	al	Ĭ	Ľ.			.2.01	Ē	Mature							Ľ		5	
T026	1	Birch	Betula sp.		7	2	150	<u>150</u> , 80	12.57	2	Semi Mature	Fail	Pass	Fail	Pass	Fail	Pass	3	Moderate	Small	Lost
							1.				Semi										
T027	1	Birch	Betula sp.		7	3	130	<u>130</u> , 40, 40	9.079	1.7	Mature	Fail	Pass	Fail	⊢ail	Fail	Pass	2	Poor	Small	Lost
т029	1	Apple	Malus sp.	Fasitigiata	8	1	370		60.82	4.4	Mature	Fail	Pass	Pass	Fail	Fail	Fail	2	Poor	Medium	Lost
<u> </u>		Swodich	0-+		-	-	-		<u> </u>	-	Sami							+	<u> </u>	<u> </u>	
T030	1	Whitebeam	orbus intermedia		6	1	180		15.21	2.2	Mature	Pass	Pass	Fail	Fail	Fail	Fail	2	Poor	Small	Lost

Conditio	on Sheet:	INDIVIDUAL T	REES Habita	t Type								Condition Ass	accment Criteria								
Individur	l troop	Irban traca										Condition Ass		6	P	r	r.		Numbe	er of trees f	or each
Individua	il trees – C il trees – R	Rural trees	ch tree or bl	ock of trees								A The tree is a	The tree canopy	The tree is	There is little or no	E Natural	More than	Tree	CC Poor (0,1	Moderate	de Good (5
Complet	o a contait		011100 01 01									native species (or at least	is predominantly continuous, with	mature (or more than	evidence of an adverse impact on	ecological niches for	20% of the tree canopy	Size Class	or 2 out of 6)	(3 or 4 out of 6)	or 6 out of 6)
Habitat City cent	Descriptio re trees, a	on all considered to	be	On-site	or off-sit	e, site n	ame and	location	Limitat	ions (if a	applicable)	70% within the block are	gaps in canopy cover making up	50% within the block are	human activities	vertebrates and	area is oversailing	Small (75-	53	20	0
individua although	I trees for some 'ad	purposes of me jacent' trees ma	etric - ay touch.	Armada W	ay, Plym	outh			None re	eported		species).	<10% of total area and no	mature)'.	herbicide or detrimental	are present,	beneath.	300mm)			
144nr tre small siz	ees in tota e), range o	I (71 medium si of ages. Majorit	ze and 73 y are non-	Survey da October - I	te and S Novemb	er 2021	r name - YGS Er	ivironment	al Consu	iltants Lt	:d	-	being >5 m wide		agricultural activity). And there is no	presence of		Medium (301-	30	38	3
native. F	Planted inte ty grassla	o sealed surfac nd.	es (paved)	July 2022 December	- TEP Lt 2022 Si	d imon Ge	ary Ecolo	gy Service	es Ltd				automatically		pruning regime, so	cavities, ivy or		600mm)			
				Survey re	ference	(if relati	ng to a v	vider surv	ey)			+	criterion).		>75% of expected canopy for their age	loose bark.		Large (601-	0	0	0
				Tree Surve Arboricultu	ey Data E ural Meth	Extracted	d from YC	S Environ	mental C YGS-ZZ-	onsulta	nts Ltd J-010.				range and height.			900mm)		L	
				Wildlife dat Services P	ta (e.g. c EA	riteria E)	extracte	d from Sin	non Gear	y Ecolog	gical							Large	0	0	0
								Multi-	_									(30111m)			
Habitat parcel	Zone	Common Name	Scientific Name	Variety	Ht (m)	Nr. Stems	Stem DBH	stem DBH	RPA (m2)	RPA_r (m)	Life Stage	Criterion pass	ed (Yes or No)					Nr Criteria	Condition	Size Class	Impact
rer.							(mm)	(mm)			Fast				1			Passed			
T031	1	Whitebeam	Sorbus aria		8	1	320		45.36	3.8	Mature	Pass	Pass	Fail	Fail	Fail	Pass	3	Moderate	Medium	Lost
T032	1	Whitebeam	Sorbus aria		8	1	300		40.72	3.6	Early	Pass	Pass	Fail	Fail	Fail	Fail	2	Poor	Small	Lost
											Mature										
т033	1	Apple	Malus sp.	Fasitigiata	8	1	370		60.82	4.4	Mature	Fail	Pass	Pass	Fail	Fail	Pass	3	Moderate	Medium	Lost
		Swedish	Sorbus		_						Farly	_							_		
T034	1	Whitebeam	intermedia		7	1	280		36.32	3.4	Mature	Pass	Pass	Fail	Fail	Fail	Fail	2	Poor	Small	Lost
T035	1	Purple Cherry	Prunus cerasifera		6	1	210		19.63	2.5	Semi	Fail	Pass	Fail	Fail	Fail	Fail	1	Poor	Small	Lost
		Fidin	'Pissardi'								wature								<u> </u>	<u> </u>	
т036	1	Lawson Cypress	Chamaecypari s lawsoniana		7	1	230		24.63	2.8	Semi Mature	Fail	Pass	Fail	Fail	Fail	Fail	1	Poor	Small	Lost
7000		Japanese	Acer					80, 50, 40,	7.000	4.5		E-il	Dava	E all	[a]	Feil	[i	1	Deer	Cmall	Leat
1038	1	Maple	palmatum		4	b	80	40, 40, 30	7.069	1.5	roung	raii	P855	raii	Fail	raii	Fall	'	POOI	Smail	LOSI
т039	1	Japanese Maple	Acer palmatum		6	5	140	<u>140</u> , 110, 100, 100,	24.63	2.8	Semi Mature	Fail	Pass	Fail	Fail	Fail	Fail	1	Poor	Small	Lost
								50			Cami										
T040	1	Maple	Acer palmatum		6	3	90	<u>90</u> , 50, 50	6.158	1.4	Mature	Fail	Pass	Fail	Fail	Fail	Fail	1	Poor	Small	Lost
T042	1	Japanese	Acer		6	3	180	<u>180</u> , 180,	36.32	34	Semi	Fail	Pass	Fail	Fail	Fail	Fail	1	Poor	Small	Lost
	·	Maple	palmatum			Ŭ		130	00.02	0.1	Mature										
т043	1	Whitebeam	Sorbus aria		8	1	320		45.36	3.8	Mature	Pass	Pass	Pass	Pass	Fail	Pass	5	Good	Medium	Lost
T044	1	Whitebeam	Sorbus aria		8	1	330		50.27	4	Mature	Pass	Pass	Pass	Fail	Fail	Pass	4	Moderate	Medium	Lost
T045	1	Whitebeam	Sorbus aria		7	1	310		43.01	3.7	Early	Pass	Pass	Fail	Fail	Fail	Pass	3	Moderate	Medium	Transplant
											Mature									<u> </u>	
T046	1	Swedish Whitebeam	Sorbus intermedia		6	1	250		28.27	3	Early Mature	Pass	Pass	Fail	Fail	Fail	Pass	3	Moderate	Small	Lost
												5 -3	D	D	5 -3	F - 1	F -1		Desig	Martin	
1047	1	Apple	Malus sp.	Fasitigiata	8	1	350		55.42	4.2	Mature	Fall	Pass	Pass	Fall	Fall	Fail	2	Poor	Medium	Lost
T048	1	Swedish	Sorbus intermedia		7	1	320		45.36	3.8	Early Mature	Pass	Pass	Fail	Pass	Fail	Pass	4	Moderate	Medium	Lost
											mataro								<u> </u>	<u> </u>	
T049	1	Rowan	Sorbus aucuparia		4	1	90		3.801	1.1	Young	Pass	Pass	Fail	Fail	Fail	Pass	3	Moderate	Small	Lost
T050	1	Japanese	Acer		2	2	100	100, 100,	12.05	2.1	Semi	Foil	Page	Foil	Foil	Foil	Eoil	1	Poor	Small	Lost
1030	'	Maple	palmatum		3	5	100	100	13.05	2.1	Mature	Fail	r d55	raii	raii	raii	raii	ľ	1.001	Smail	LUSI
T052	1	Swedish Whitebeam	Sorbus intermedia		8	1	330		50.27	4	Mature	Pass	Pass	Pass	Pass	Fail	Pass	5	Good	Medium	Lost
											Quest										
T054	1	Cherry	Prunus sp. 'Cherry'		4	1	180		15.21	2.2	Mature	Fail	Pass	Fail	Fail	Fail	Pass	2	Poor	Small	Lost
T055	1	Rowan	Sorbus		6	1	130		8,042	1.6	Semi	Pass	Pass	Fail	Fail	Fail	Pass	3	Moderate	Small	Lost
	ľ.		aucuparia		Ĭ	Ľ			0.072		Mature							<u> </u>		L	
T056	1	Swedish Whitebeam	Sorbus intermedia		7	1	410		75.43	4.9	Mature	Pass	Pass	Pass	Pass	Fail	Pass	5	Good	Medium	Lost
											Farly										
T057	1	Apple	Malus sp.		6	1	300		40.72	3.6	Mature	Fail	Pass	Fail	Fail	Fail	Pass	2	Poor	Small	Lost
T058	1	Swedish	Sorbus		7	1	350		55.42	4.2	Early	Pass	Pass	Fail	Fail	Fail	Pass	3	Moderate	Medium	Lost
		Whitebeam	intermedia								Mature									<u> </u>	
т059	1	Blue Cedar	Cedrus atlantica glauca		9	1	240		26.42	2.9	Semi Mature	Fail	Pass	Fail	Pass	Fail	Pass	3	Moderate	Small	Lost
<u> </u>			Cedrus		-						Semi									t	t
T061	1	Blue Cedar	atlantica glauca		7	1	250		28.27	3	Mature	Fail	Pass	Fail	Pass	Fail	Pass	3	Moderate	Small	Lost
T062	1	Blue Cedar	Cedrus atlantica		7	1	180		15.21	2.2	Semi	Fail	Pass	Fail	Fail	Fail	Pass	2	Poor	Small	Lost
			glauca		<u> </u>						Mature							<u> </u>		<u> </u>	-
T065	1	Common Holly	llex aquifolium		4	2	130	80, <u>130</u>	10.18	1.8	Semi Mature	Pass	Pass	Fail	Fail	Fail	Pass	3	Moderate	Small	Lost
	L		Cedrus								Semi	F -1	Deve	5 -3	5 -3	F -1	F -1				
1067	1	Blue Cedar	atlantica glauca		10	1	340		52.81	4.1	Mature	ган	r'ass	Fail	raii	rail	Fall	1	1'00ľ	wedium	∟ost
T068	1	Swedish	Sorbus intermedio		7	1	210		19.63	2.5	Semi	Pass	Pass	Fail	Fail	Fail	Pass	3	Moderate	Small	Lost
		winteregill									mature										

Conditio	on Sheet:	INDIVIDUAL T	REES Habita	t Type																	_
Habitat	Types											Condition Ass	essment Criteria					TREE HE	LPER		
Individua Individua	il trees – L il trees – R	Jrban trees Rural trees										A The tree is a	B	C The tree is	D	E	F	Tues	Numbe	or of trees for a state of the	or each ite
Complet	e a conditi	ion sheet for ea	ch tree or blo	ock of trees.								native species	is predominantly	mature (or	evidence of an	ecological	20% of the	Size	Poor (0,1 or 2 out	Moderate (3 or 4	Good (5 or 6 out
Habitat I	Descriptio	on		On-site o	or off-sit	e, site n	ame and	location	Limitat	ions (if a	applicable)	(or at least 70% within the	continuous, with gaps in canopy	more than 50% within the	adverse impact on tree health by	niches for vertebrates	tree canopy area is	Class	of 6)	out of 6)	of 6)
City cent	re trees, a	all considered to	be etric -	On-site					None re	eported		block are native	cover making up <10% of total	block are mature) ¹ .	(such as vandalism,	and invertebrates	oversailing vegetation	(75-	53	20	0
although	some 'ad	jacent' trees ma	ay touch.	Armada W	ay, Plym	outh						species).	area and no		detrimental	are present, such as	beneath.	300mm)	<u> </u>	<u> </u>	
144nr tre small siz	ees in tota e), range o	I (71 medium si of ages. Majorit	ze and 73 y are non-	October -	Novemb	er 2021	- YGS Er	vironment	al Consu	iltants Lt	d	-	being >5 m wide		agricultural activity). And there is no	presence of		Medium (301-	30	38	3
native. F or ameni	Planted inter ty grassla	o sealed surfac nd.	es (paved)	July 2022 December	- TEP Lt 2022 Si	d imon Ge	ary Ecolo	agy Service	es Ltd				automatically		current regular pruning regime, so	deadwood, cavities, ivy or		600mm)			
				Survey re	ference	(if relati	ng to a v	vider surv	ey)			1	pass this criterion).		the trees retain >75% of expected	loose bark.		Large			
				Tree Surve	ev Data F	- xtracter	from Y	SS Environ	mental C	Consulta	nts I td				canopy for their age range and height.			(601- 900mm)	0	0	0
				Arboricultu Wildlife det	ural Meth	nod State	ement Re	f 67CA09	YGS-ZZ	XX-RP-	J-010.							Very		+	<u> </u>
				Services P	EA		CALIBOLO		ion oca	y 20010ę	Jiodi							Large (901+m	0	0	0
								Multi-										m)			
Habitat parcel	Zone	Common Name	Scientific Name	Variety	Ht (m)	Nr. Stems	Stem DBH	stem DBH	RPA (m2)	RPA_r	Life Stage	Criterion pass	ed (Yes or No)					Nr Criteria	Condition	Size Class	Impact
ref.							(mm)	(mm)	()	(,				1		1	1	Passed			
т069	1	Flowering	Prunus sp.		4	1	240		26.42	2.9	Semi Mature	Fail	Pass	Fail	Fail	Fail	Pass	2	Poor	Small	Lost
		,																	<u> </u>	 	
т070	1	Honey locust	Gleditsia triacanthos		6	1	270		32.17	3.2	Semi Mature	Fail	Pass	Fail	Pass	Fail	Fail	2	Poor	Small	Lost
																		<u> </u>			
T071	1	Swedish Whitebeam	Sorbus intermedia		6	1	370		60.82	4.4	Mature	Pass	Pass	Pass	Fail	Fail	Pass	4	Moderate	Medium	Lost
																				<u> </u>	<u> </u>
T072	1	Whitebeam	Sorbus intermedia		6	1	370		60.82	4.4	Mature	Pass	Pass	Pass	Fail	Fail	Pass	4	Moderate	Medium	Lost
		Currentiale																<u> </u>		-	
T073	1	Whitebeam	Sorbus intermedia		6	1	300		40.72	3.6	Mature	Pass	Pass	Pass	Fail	Fail	Pass	4	Moderate	Small	Lost
T074	1	Apple	Malus sp.	Fasitigiata	8	1	310		43.01	3.7	Mature	Fail	Pass	Pass	Fail	Fail	Pass	3	Moderate	Medium	Lost
		Common	Lohuroum								Farly									1	
T075	2	Laburnum	anagyroides		4	1	210		19.63	2.5	Mature	Fail	Pass	Fail	Fail	Fail	Pass	2	Poor	Small	Enhanced
7070		Common	Laburnum				470		40.57		Semi	5-1	Deve	5 -3	F -1	5-3	Deres		D	0	Esta and
1076	2	Laburnum	anagyroides		4	1	170		12.57	2	Mature	Fail	Pass	Fail	Fail	Fail	Pass	2	Poor	Small	Enhanced
T077	2	Common	Laburnum		2	4	120		6 159	1.4	Semi	Feil	Dees	[all	E all	[ail	Daga	2	Deer	Creall	Fahanaad
1077	2	Laburnum	anagyroides		3	1	120		0.150	1.4	Mature	Fall	P855	raii	raii	raii	Pass	2	POOR	Smail	Ennanceu
T078	2	Norway	Acer	Crimson	12	1	410		75.43	19	Mature	Fail	Pass	Pass	Pass	Fail	Pass	4	Moderate	Medium	Retained
1078	2	Maple	platanoides	King	12	'	410		73.43	4.5	Wature		1 433	1 433	1 035		1 035	Ť	moderate	Wiedidini	Retained
T079	2	Horse	Aesculus		15	1	520		120.8	6.2	Mature	Fail	Pass	Pass	Fail	Pass	Fail	3	Moderate	Medium	Enhanced
10/3	2	Chestnut	m		15		520		120.0	0.2	Wature			1 000		1 400		Ŭ	modorato	modium	Emilanood
T080	2	Horse	Aesculus hippocastanu		15	1	500		113.1	6	Mature	Fail	Pass	Pass	Fail	Fail	Fail	2	Poor	Medium	Enhanced
	-	Chestnut	m				000			Ŭ	mataro							<u> </u>			
T081	2	Single Leafed	Fraxinus excelsior f.		15	1	390		69.4	4.7	Mature	Fail	Pass	Pass	Fail	Fail	Fail	2	Poor	Medium	Enhanced
		Ash	diversifolia															<u> </u>	L	──	
T082	2	Flowering	Prunus sp.		5	1	330		50.27	4	Mature	Fail	Pass	Pass	Fail	Fail	Fail	2	Poor	Medium	Enhanced
		Cherry																<u> </u>	<u> </u>	 	
т083	2	Horse	Aesculus hippocastanu		16	1	540		132.7	6.5	Mature	Fail	Pass	Pass	Fail	Fail	Fail	2	Poor	Medium	Enhanced
		Criestriut	m																	<u> </u>	
T084	2	Horse	Aesculus hippocastanu		16	1	520		120.8	6.2	Mature	Fail	Pass	Pass	Fail	Pass	Fail	3	Moderate	Medium	Retained
		onound	m																	<u> </u>	
T085	2	Horse Chestnut	Aesculus hippocastanu		10	1	370		60.82	4.4	Early Mature	Fail	Pass	Fail	Fail	Fail	Fail	1	Poor	Medium	Retained
			<i>m</i>																<u> </u>	 	
T086	2	Horse Chestnut	Aesculus hippocastanu		10	1	380		66.48	4.6	Early Mature	Fail	Pass	Fail	Fail	Fail	Fail	1	Poor	Medium	Lost
																			<u> </u>	<u> </u>	<u> </u>
T087	2	Single Leafed Ash	excelsior f.		12	1	380		66.48	4.6	Early Mature	Fail	Pass	Fail	Fail	Pass	Fail	2	Poor	Medium	Lost
<u> </u>		0		<u> </u>				-		-	E.J.							<u> </u>		<u> </u>	<u> </u>
T088	2	Swedish Whitebeam	Sorbus intermedia		7	1	250		28.27	3	≞ariy Mature	Pass	Pass	Fail	Fail	Fail	Pass	3	Moderate	Small	Lost
			0:					<u> </u>										<u> </u>		1	1
T089	2	Sitka Spruce	sitchensis		5	1	110		5.309	1.3	Young	Fail	Pass	Fail	Pass	Fail	Pass	3	Moderate	Small	Lost
			Sorbus																		
T091	2	Sorbus	thuringiaca		9	1	510		116.9	6.1	Mature	Fail	Pass	Pass	Fail	Fail	Fail	2	Poor	Medium	Lost
7000		0	Sorbus				0000		00.17	4.0	Early	[i	Pasa	E-il	Coll.	Dees	[all	2	Deci	Marit	1
T092	2	Sorbus	thuringiaca		8	1	380		66.48	4.6	Mature	Fail	Pass	Fail	Fail	Pass	Fail	2	Poor	Medium	Lost
7000	_	0	Sorbus				400		04.05	5.0	Martin	Feil	Dees	Dana	Teil	Feil	Dana	2	Madarata	Madium	Last
1093	2	Sorbus	thuringiaca		0	1	430		64.95	5.2	wature	raii	r a 55	r ass	raii	raii	r ass	3	woderate	Wedium	LUSI
T004	2	Sorbus	Sorbus		0	1	200		60.4	4.7	Moturo	Fail	Pace	Pace	Fail	Fail	Pace	3	Moderate	Medium	Lost
1094	2	Sorbus	thuringiaca		0	1	390		09.4	4.7	wature	raii	r a55	r ass	raii	Faii	r ass	5	woderate	Wedium	LUSI
T095	2	Sorbus	Sorbus		8	1	410		75.43	4.9	Mature	Fail	Pass	Pass	Fail	Fail	Pass	3	Moderate	Medium	Lost
			thuringiaca															<u> </u>			
T096	2	Sorbus	Sorbus		8	1	440		88.25	5.3	Mature	Fail	Pass	Pass	Fail	Fail	Fail	2	Poor	Medium	Lost
<u> </u>			inunngiaca	<u> </u>				<u> </u>		-								—	<u> </u>	<u> </u>	<u> </u>
т097	2	Common Laburnum	Laburnum anagyroides		7	1	230		24.63	2.8	Early Mature	Fail	Pass	Fail	Fail	Pass	Pass	3	Moderate	Small	Lost
т098	2	Common	Laburnum		8	1	230		R	R	Semi	Fail	Pass	Fail	Fail	Pass	Pass	3	Moderate	Small	Lost
		Laburnum	anayyruides								wature										
1	1	1	1	1	1	1	1	1	1	1	1	1		1	1			4		4	1

Conditio	on Sheet:	INDIVIDUAL TI	REES Habita	t Type								Condition Ass	essment Criteria					TREE HE	LPER		
Individua	al trees – L	Jrban trees										A	B	с	D	E	F		Numbe	r of trees fe	or each
Individua Complet	al trees – R e a conditi	Rural trees ion sheet for ea	ch tree or blo	ock of trees.								The tree is a	The tree canopy	The tree is	There is little or no	- Natural	More than	Tree	Poor (0,1	Moderate	Good (5
	.			0				1	Limitat		annling high	(or at least	continuous, with	mature (or more than	adverse impact on tree health by	niches for	20% of the tree canopy	Size Class	of 6)	(3 or 4 out of 6)	or 6 out of 6)
Habitat City cent	Descriptio tre trees, a	on all considered to	be	On-site On-site	or off-site	e, site ni	ame and	location	Limitat	ions (if a	аррисавіе)	block are	cover making up	block are	human activities (such as vandalism,	and	oversailing	Small (75-	53	20	0
individua although	al trees for some 'ad	purposes of me jacent' trees ma	etric - iy touch.	Armada W	ay, Plym	outh			Nonere	eponea		species).	area and no	mature) .	herbicide or detrimental	are present,	beneath.	300mm)		<u> </u>	
144nr tre small siz	ees in tota e), range o	I (71 medium si of ages. Majorit	ze and 73 y are non-	October - I	November	er 2021	YGS Er	vironment	al Consu	iltants Lt	d	-	being >5 m wide		agricultural activity). And there is no current regular	presence of deadwood		Medium (301-	30	38	3
or amen	ity grassla	o sealed surfaci nd.	es (paved)	December	2022 Si	mon Gea	ary Ecolo	gy Service	s Ltd			-	automatically pass this		pruning regime, so the trees retain	cavities, ivy or loose bark.		600mm)		<u> </u>	
				Survey re	lerence	(ii reiati	ng to a v	nder surv	ey)			-	criterion).		>75% of expected canopy for their age			Large (601-	0	0	0
				Tree Surve Arboricultu	ey Data E ural Meth	Extracted nod State	from YC	S Environ f 67CA09-	mental C YGS-ZZ-	onsulta	nts Ltd J-010.				range and height.			900mm) Verv	<u> </u>	<u> </u>	
				Wildlife dat Services P	ta (e.g. c EA	riteria E)	extracte	d from Sin	ion Gear	y Ecolog	gical							Large (901+m	0	0	0
Habitat							Stom	Multi-										m)			
parcel ref.	Zone	Common Name	Scientific Name	Variety	Ht (m)	Nr. Stems	DBH (mm)	stem DBH	RPA (m2)	RPA_r (m)	Life Stage	Criterion pass	ed (Yes or No)					Criteria Passed	Condition	Size Class	Impact
7000	0	Common	Laburnum		-		070	(mm)			Early	[ail	Dava	[all	[a]	Dees	Deep	2	Madarata	Cmall	Last
1099	2	Laburnum	anagyroides		<i>'</i>	ľ	270		ĸ	ĸ	Mature	raii	r d55	raii	raii	F d55	r ass	5	Woderate		LUSI
		0									E. J.										
T100	2	Laburnum	Laburnum anagyroides		8	1	290		38.48	3.5	Mature	Fail	Pass	Fail	Fail	Fail	Pass	2	Poor	Small	Lost
																		<u> </u>	L	<u> </u>	
T101	2	Norway Maple	Acer platanoides	Crimson King	10	1	360		58.09	4.3	Early Mature	Fail	Pass	Fail	Pass	Fail	Pass	3	Moderate	Medium	Lost
		Horse	Aesculus																		
T102	2	Chestnut	hippocastanu m		15	1	490		109.4	5.9	Mature	Fail	Pass	Pass	Fail	Fail	Pass	3	Moderate	Medium	Lost
T103	2	Horse	Aesculus hippocastanu		15	1	560		141	6.7	Mature	Fail	Pass	Pass	Fail	Pass	Pass	4	Moderate	Medium	Lost
		Chestilut	m Annaulur																	<u> </u>	
T104	2	Horse Chestnut	hippocastanu m		15	1	480		105.7	5.8	Mature	Fail	Pass	Pass	Fail	Fail	Fail	2	Poor	Medium	Lost
T105	2	Horse	Aesculus		10	4	450		01.61	5.4	Matura	Fail	Dava	Dees	C-il	Dees	[nil	2	Madazata	Madium	Last
1105	2	Chestnut	m		13	'	450		91.01	5.4	wature	Fall	P'855	Pass	raii	Pass	raii	3	Woderate	weatum	LUSI
T106	2	Horse Chestnut	Aesculus hippocastanu		12	1	460		95.03	5.5	Mature	Fail	Pass	Pass	Fail	Pass	Fail	3	Moderate	Medium	Lost
			m Aesculus																		
T107	2	Chestnut	hippocastanu m		12	1	480		105.7	5.8	Mature	Fail	Pass	Pass	Fail	Pass	Fail	3	Moderate	Medium	Retained
T108	2	Horse	Aesculus		12	1	510		116.9	6.1	Mature	Fail	Pass	Pass	Fail	Pass	Fail	3	Moderate	Medium	Lost
	-	Chestnut	m				0.0			0.1	maturo							-			
T109	3	Single Leafed Ash	Fraxinus excelsior f. diversifolia		12	1	410		75.43	4.9	Mature	Fail	Pass	Pass	Fail	Fail	Fail	2	Poor	Medium	Enhanced
			Carlour								Farly									<u> </u>	
T110	2	Sorbus	thuringiaca		7	1	340		52.81	4.1	Mature	Fail	Pass	Fail	Fail	Fail	Pass	2	Poor	Medium	Lost
T111	3	Sycamore	Acer pseudoplatan	Purpurea	10	1	460		95.03	5.5	Mature	Fail	Pass	Pass	Fail	Fail	Fail	2	Poor	Medium	Lost
		-	us																<u> </u>	<u> </u>	
T112	3	Sorbus	Sorbus sp.		8	1	320		45.36	3.8	Mature	Fail	Pass	Pass	Fail	Fail	Pass	3	Moderate	Medium	Lost
T112	2	Contrue			0	4	420		70 54	5	Mahura	[ail	Dava	Dees	[-ii	Dees	E-il	2	Madazata	Madium	Last
1113	5	Sorbus	Sorbus sp.		0	-	420		70.34	5	wature	raii	r d55	r d55	raii	F d55	raii	5	Woderate	Wealdin	LUSI
T114	3	Japanese Maple	Acer palmatum		5	5	210	80, 110, 150, <u>210</u> ,	40.72	3.6	Early Mature	Fail	Pass	Fail	Fail	Fail	Fail	1	Poor	Small	Lost
								00			Feelu										
T115	3	Austrian Pine	Pinus nigra		9	2	310	<u>310,</u> 230	66.48	4.6	Mature	Fail	Pass	Fail	Pass	Fail	Fail	2	Poor	Medium	Lost
T116	3	Austrian Pine	Pinus nigra		10	1	430		84.95	5.2	Mature	Fail	Pass	Pass	Fail	Fail	Pass	3	Moderate	Medium	Lost
	-																			<u> </u>	
T117	3	Sorbus	Sorbus thuringiaca		6	1	250		28.27	3	Mature	Fail	Pass	Pass	Fail	Fail	Pass	3	Moderate	Small	Lost
T140	2	Sorburg	Sorbus		6	1	200		20.40	2.4	Semi	Foil	Page	Foil	Foil	Foil	Page	2	Port	Concell	Entres
1118	3	SOIDUS	thuringiaca		Ö	1	260		30.19	3.1	Mature	raii	r'ass	raii	raii	raii	r'ass	2	100r	Small	⊏nnanced
T119	3	Japanese Maple	Acer palmatum		4	8	130	80, 80, 60, 50, 50, <u>130</u> ,	30.19	3.1	Early Mature	Fail	Pass	Fail	Fail	Fail	Pass	2	Poor	Small	Transplant
<u> </u>		lana			-	-		120, 110		<u> </u>	Card								<u> </u>	<u> </u>	
T120	3	Japanese Maple	Acer palmatum		4	4	100	70, 70, <u>100</u> , 80	11.34	1.9	Mature	Fail	Pass	Fail	Fail	Fail	Fail	1	Poor	Small	Transplant
T121	3	Sorbus	Sorbus so		6	1	270		32 17	3.2	Semi	Fail	Pass	Fail	Fail	Fail	Pass	2	Poor	Small	Enhanced
		50.500			Ĭ	Ľ	2.0		52.17	0.2	Mature							<u> </u>			
T122	3	Sorbus	Sorbus thuringiaca		6	1	380		66.48	4.6	Mature	Fail	Pass	Pass	Fail	Fail	Pass	3	Moderate	Medium	Retained
<u> </u>		Cannadasias	Acer		-	-				-	Sami										
T123	3	Maple	cappadocicu m		7	1	320		45.36	3.8	Mature	Fail	Pass	Fail	Fail	Fail	Fail	1	Poor	Medium	Lost
T124	3	Horse	Aesculus hippocastanu		10	1	450		91.61	5.4	Mature	Fail	Pass	Pass	Fail	Fail	Fail	2	Poor	Medium	Lost
<u> </u>		Chestnut	m		Ĺ		-											-	<u> </u>	<u> </u>	
T125	3	Silver Maple	Acer saccharinum		9	1	330		50.27	4	Early Mature	Fail	Pass	Fail	Fail	Pass	Fail	2	Poor	Medium	Transplant
<u> </u>			Betula																		
T126	3	Silver Birch	pendula		12	1	310		43.01	3.7	Mature	Pass	Pass	Pass	Fail	Fail	Fail	3	Moderate	Medium	Lost
T127	3	Horse	Aesculus hippocastanu		9	1	370		60.82	4.4	Mature	Fail	Pass	Pass	Fail	Fail	Fail	2	Poor	Medium	Lost
<u> </u>	-	oncaulut	m		-	-				-								<u> </u>	<u> </u>	<u> </u>	
T128	3	Flowering Cherry	Prunus sp.		7	1	390		69.4	4.7	Mature	Fail	Pass	Pass	Fail	Fail	Fail	2	Poor	Medium	Lost

Norme	Conditio	n Sheet: I	INDIVIDUAL T	REES Habita	t Type														1		_	_	
Network1	Habitat	Fypes											Condition Ass	essment Criteria	1			1	TREE HE	LPER	r of troop f	or oach	
<th co<="" td=""><td>Individua Individua Complete</td><td>l trees – U l trees – R e a conditi</td><td>Irban trees oural trees on sheet for ea</td><td>ch tree or blo</td><td>ock of trees.</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>A The tree is a native species</td><td>B The tree canopy is predominantly</td><td>C The tree is mature (or</td><td>D There is little or no evidence of an</td><td>E Natural ecological</td><td>F More than 20% of the</td><td>Tree Size</td><td>Poor (0,1 or 2 out</td><td>ndition sta Moderate (3 or 4</td><td>te Good (5 or 6 out</td></th>	<td>Individua Individua Complete</td> <td>l trees – U l trees – R e a conditi</td> <td>Irban trees oural trees on sheet for ea</td> <td>ch tree or blo</td> <td>ock of trees.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>A The tree is a native species</td> <td>B The tree canopy is predominantly</td> <td>C The tree is mature (or</td> <td>D There is little or no evidence of an</td> <td>E Natural ecological</td> <td>F More than 20% of the</td> <td>Tree Size</td> <td>Poor (0,1 or 2 out</td> <td>ndition sta Moderate (3 or 4</td> <td>te Good (5 or 6 out</td>	Individua Individua Complete	l trees – U l trees – R e a conditi	Irban trees oural trees on sheet for ea	ch tree or blo	ock of trees.								A The tree is a native species	B The tree canopy is predominantly	C The tree is mature (or	D There is little or no evidence of an	E Natural ecological	F More than 20% of the	Tree Size	Poor (0,1 or 2 out	ndition sta Moderate (3 or 4	te Good (5 or 6 out
<tt> Image: Ima</tt>	Habitat I	Descriptio	on		On-site o	or off-site	e, site na	ame and	location	Limitat	ions (if a	pplicable)	(or at least 70% within the	continuous, with gaps in canopy	more than 50% within the	tree health by	niches for vertebrates	tree canopy area is	Class Small	of 6)	out of 6)	of 6)	
Harting <t< td=""><td>City cent individua</td><td>re trees, a I trees for</td><td>Il considered to purposes of me</td><td>be etric -</td><td>On-site</td><td>ou Blum</td><td>outh</td><td></td><td></td><td>None re</td><td>eported</td><td></td><td>block are native</td><td>cover making up <10% of total</td><td>block are mature)¹.</td><td>(such as vandalism, herbicide or</td><td>and invertebrates</td><td>oversailing vegetation</td><td>(75- 300mm)</td><td>53</td><td>20</td><td>0</td></t<>	City cent individua	re trees, a I trees for	Il considered to purposes of me	be etric -	On-site	ou Blum	outh			None re	eported		block are native	cover making up <10% of total	block are mature) ¹ .	(such as vandalism, herbicide or	and invertebrates	oversailing vegetation	(75- 300mm)	53	20	0	
<tt></tt>	although 144nr tre	some 'adj es in total	acent' trees ma (71 medium si	y touch. ze and 73	Survey da	ite and S	Surveyo	name					species).	area and no individual gap		detrimental agricultural activity).	are present, such as	beneath.	Madium				
Particip	small size	e), range o	of ages. Majorit	y are non-	October - I	Novemb	er 2021 - d	YGS En	vironment	al Consu	Itants Lt	d	1	being >5 m wide (individual trees		And there is no current regular	presence of deadwood,		(301-	30	38	3	
Normal problem Normal	or ameni	ty grasslar	nd.	s (paveu)	December	2022 Si	mon Gea	ary Ecolo	gy Service	es Ltd				automatically pass this		pruning regime, so the trees retain	cavities, ivy or loose bark.		600mm)				
Properties Properties Properties Properties Properties Properity					Survey ret	terence	(if relati	ng to a w	/ider surv	ey)				criterion).		>75% of expected canopy for their age			Large (601-	0	0	0	
viscol viscol<					Tree Surve	ey Data E	Extracted	from YG	S Environ	mental C	onsultar	nts Ltd				range and height.			900mm)				
Image Image <t< td=""><td></td><td></td><td></td><td></td><td>Wildlife dat</td><td>ta (e.g. c</td><td>riteria E)</td><td>extracte</td><td>d from Sin</td><td>non Gear</td><td>y Ecolog</td><td>ical</td><td></td><td></td><td></td><td></td><td></td><td></td><td>Very Large</td><td></td><td>0</td><td></td></t<>					Wildlife dat	ta (e.g. c	riteria E)	extracte	d from Sin	non Gear	y Ecolog	ical							Very Large		0		
Nome10 <td< td=""><td></td><td></td><td></td><td></td><td>Services P</td><td>EA</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>(901+m m)</td><td>Ű</td><td></td><td></td></td<>					Services P	EA													(901+m m)	Ű			
m m	Habitat	-	Common	Scientific	Mar. 1. 1.	111 ()	Nr.	Stem	Multi- stem	RPA	RPA_r	Life	Critorion page	ed (Vec or No)					Nr	0	Size	Incorect	
	parcel ref.	Zone	Name	Name	Variety	Ht (m)	Stems	(mm)	DBH (mm)	(m2)	(m) [—]	Stage	Criterion pass	ea (tes or No)					Criteria Passed	Condition	Class	Impact	
na na<	T120	2	Horse	Aesculus		14	4	590		152.0	7	Matura	Foil	Page	Bass	Foil	Foil	Foil	2	Poor	Modium	Loct	
1111 111 111 111 111 111 111 111 11111 1111 1111 1111 1111 1111 1111 1111 1111 1111 11111 1111 1111 1111 1111 11111 11111 11111 11111 11111 11111 11111 <	1129	3	Chestnut	m		14	1	560		155.9	<i>'</i>	Mature	ran	r ass	r d55	raii	raii	Faii	2	FOOI	Medium	LUSI	
N N	T130	3	Cappadocian	Acer cannadocicu		7	1	240		26.42	29	Semi	Fail	Pass	Fail	Fail	Pass	Fail	2	Poor	Small	Lost	
			Maple	m			ľ			20.12	2.0	Mature							[
N N	T131	3	Cappadocian	Acer cappadocicu		6	1	290		38.48	3.5	Semi	Fail	Pass	Fail	Fail	Fail	Fail	1	Poor	Small	Lost	
			wapie	m								Mature											
1 1	T132	3	Horse Chestnut	Aesculus hippocastanu		8	1	340		52.81	4.1	Semi Mature	Fail	Pass	Fail	Fail	Fail	Fail	1	Poor	Medium	Lost	
Name			Choothat	<i>m</i>								mataro											
1 1 2 2 1 2 1 2 1 2 2 1 2 2 2 2 2	T133	3	Cappadocian Maple	Acer cappadocicu m		6	1	260		30.19	3.1	Semi Mature	Fail	Pass	Fail	Fail	Fail	Fail	1	Poor	Small	Lost	
1211 2 Norme <th< td=""><td></td><td></td><td></td><td>Aesculus</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td><u> </u></td><td></td><td></td><td></td></th<>				Aesculus															<u> </u>				
1 1	T134	3	Horse Chestnut	hippocastanu m		9	1	390		69.4	4.7	Early Mature	Fail	Pass	Fail	Fail	Pass	Fail	2	Poor	Medium	Lost	
155 3 bee for xxxx 1 2 1 20 64.30 8.4 Perio Period Period Period Period Period Period Period Period				Datula.																			
111 1	T135	3	Silver Birch	pendula		12	1	320		45.36	3.8	Mature	Pass	Pass	Pass	Fail	Fail	Fail	3	Moderate	Medium	Lost	
111 3 Mail Partic Part P			Cappadocian	Acer								Early											
111 111 <td>1136</td> <td>3</td> <td>Maple</td> <td>cappadocicu m</td> <td></td> <td>1</td> <td>1</td> <td>320</td> <td></td> <td>45.36</td> <td>3.8</td> <td>Mature</td> <td>Fail</td> <td>Pass</td> <td>Fail</td> <td>Fail</td> <td>Fail</td> <td>Fail</td> <td>1</td> <td>Poor</td> <td>Medium</td> <td>Lost</td>	1136	3	Maple	cappadocicu m		1	1	320		45.36	3.8	Mature	Fail	Pass	Fail	Fail	Fail	Fail	1	Poor	Medium	Lost	
111 1111 1111 111 111 </td <td>T127</td> <td>2</td> <td>Field Maple</td> <td>Acer</td> <td></td> <td>6</td> <td>1</td> <td>220</td> <td></td> <td>24.62</td> <td>20</td> <td>Semi</td> <td>Page</td> <td>Roos</td> <td>Foil</td> <td>Foil</td> <td>Foil</td> <td>Foil</td> <td>2</td> <td>Poor</td> <td>Small</td> <td>Loct</td>	T127	2	Field Maple	Acer		6	1	220		24.62	20	Semi	Page	Roos	Foil	Foil	Foil	Foil	2	Poor	Small	Loct	
1111 11111 11111 1111 1111 1111 1111 1111 1111 1111 1111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 111111 111111 111111 111111 111111 111111 111111 111111 111111 111111 111111 111111 111111 111111 111111 1111111 1111111 11111111 1111111 1111	1137	3	rieid mapie	campestre		0	'	230		24.03	2.0	Mature	r d55	r ass	raii	raii	raii	raii	<u></u>	FOOI	Siliai	LUSI	
1 1	T138	4	Sweet Gum	Liquidambar		9	1	220		21.24	2.6	Semi	Fail	Pass	Fail	Fail	Fail	Fail	1	Poor	Small	Enhanced	
111 4. Seet Car. Failes Failes<				styraciilua								Mature							<u> </u>			 	
1 1 <th1< th=""> 1 1 <th1< th=""></th1<></th1<>	T139	4	Sweet Gum	Liquidambar stvraciflua		9	1	220		21.24	2.6	Semi Mature	Fail	Pass	Fail	Fail	Fail	Fail	1	Poor	Small	Enhanced	
1111 1.1 <td></td> <td>mataro</td> <td></td>												mataro											
1 1	T140	4	Sweet Gum	Liquidambar styraciflua		9	1	200		18.1	2.4	Semi Mature	Fail	Pass	Fail	Fail	Fail	Fail	1	Poor	Small	Enhanced	
Y111 A Sweet CM Symplet CM Symplet CM Symplet CM Faile <																			<u> </u>				
142 4 Sweet Gun Lenkinner 1 2 1 19.6 2.5 Serie Fail F	T141	4	Sweet Gum	Liquidambar styraciflua		9	1	210		19.63	2.5	Semi Mature	Fail	Pass	Fail	Fail	Fail	Fail	1	Poor	Small	Enhanced	
T142 4 Sweet Gun Guidantiar arrowsing 8 1 210 1663 25 Mature Fail Fai				Liquidambar								Semi							<u> </u>				
TH3 4 Sweet Cum $i_{yyuthetham}$ 8 1 200 18.1 2.4 Serie Fail Pais Fail Fail <td>T142</td> <td>4</td> <td>Sweet Gum</td> <td>styraciflua</td> <td></td> <td>8</td> <td>1</td> <td>210</td> <td></td> <td>19.63</td> <td>2.5</td> <td>Mature</td> <td>Fail</td> <td>Pass</td> <td>Fail</td> <td>Fail</td> <td>Fail</td> <td>Fail</td> <td>1</td> <td>Poor</td> <td>Small</td> <td>Enhanced</td>	T142	4	Sweet Gum	styraciflua		8	1	210		19.63	2.5	Mature	Fail	Pass	Fail	Fail	Fail	Fail	1	Poor	Small	Enhanced	
11.3 4 Sweet Gum ippointing 1 2.00 10.1 2.4 Mature Pail	74.40		0	Liquidambar				000		40.4		Semi	Fail	Dees	Feil	Feil	E e il	Feil		Deer	Cmall	Enhanced	
14.1 4 Sweet Cus Leadender (1) 10	1143	4	Sweet Gum	styraciflua		8	1	200		18.1	2.4	Mature	Fall	Pass	Fall	Fall	Fall	Fall	1	Poor	Small	Ennanced	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	т144	4	Sweet Gum	Liquidambar		7	1	200		18 1	24	Semi	Fail	Pass	Fail	Fail	Fail	Fail	1	Poor	Small	Enhanced	
1155 4. Sweet Cum Librationbur Mynachan N 1 100 15.21 2.2 Semin Mature Fail	L	Ľ	Smoor Oum	styraciflua		ľ.	Ľ	200		.3.1	~.7	Mature							ļ.				
1 <td>T145</td> <td>4</td> <td>Sweet Gum</td> <td>Liquidambar</td> <td></td> <td>7</td> <td>1</td> <td>180</td> <td></td> <td>15.21</td> <td>2.2</td> <td>Semi</td> <td>Fail</td> <td>Pass</td> <td>Fail</td> <td>Fail</td> <td>Fail</td> <td>Fail</td> <td>1</td> <td>Poor</td> <td>Small</td> <td>Enhanced</td>	T145	4	Sweet Gum	Liquidambar		7	1	180		15.21	2.2	Semi	Fail	Pass	Fail	Fail	Fail	Fail	1	Poor	Small	Enhanced	
T146 4. Sweet Gun Epidembar 7 1 200 18.1 2.4 Smill Pail Pail Fail				styraGmu8								wature							──	\vdash			
1 <td>T146</td> <td>4</td> <td>Sweet Gum</td> <td>Liquidambar stvraciflua</td> <td></td> <td>7</td> <td>1</td> <td>200</td> <td></td> <td>18.1</td> <td>2.4</td> <td>Semi Mature</td> <td>Fail</td> <td>Pass</td> <td>Fail</td> <td>Fail</td> <td>Fail</td> <td>Fail</td> <td>1</td> <td>Poor</td> <td>Small</td> <td>Enhanced</td>	T146	4	Sweet Gum	Liquidambar stvraciflua		7	1	200		18.1	2.4	Semi Mature	Fail	Pass	Fail	Fail	Fail	Fail	1	Poor	Small	Enhanced	
T147 4. Sweet Gum Liguidandar ground Laguidandar gr												Mature											
Image: A structure in the structu	T147	4	Sweet Gum	Liquidambar styraciflua		8	1	230		24.63	2.8	Semi Mature	Fail	Pass	Fail	Fail	Fail	Fail	1	Poor	Small	Enhanced	
T148 4 Sweet Gum Liguidantian syracification of syracification																							
T149 4. Sweet Gum Lquidambar alrow al	T148	4	Sweet Gum	Liquidambar styraciflua		8	1	210		19.63	2.5	Semi Mature	Fail	Pass	Fail	Fail	Fail	Fail	1	Poor	Small	Enhanced	
T1494Sweet GumLiquidantar arracitud8121019.632.5Semi MatureFailFailFailFail1PoorSmallEnhancedT1504Sweet GumLiquidantar arracitud1012021.242.6Semi MatureFailFailFailFail11PoorSmallEnhancedT1504Sweet GumLiquidantar arracitud912021.242.6Semi MatureFailFailFailFail1PoorSmallEnhancedT1514Sweet GumLiquidantar arracitud9120024.632.8Semi MatureFailPassFailFailFail1PoorSmallEnhancedT1524Sweet GumLiquidantar arracitud10120024.632.6Semi MatureFailFailFailFail1PoorSmallEnhancedT1524Sweet GumLiquidantar arracitud10120021.242.6Semi Semi FailPassFailFailFail1PoorSmallEnhancedT1534Sweet GumLiquidantar arracitud9122021.242.6Semi Semi FailPassFailFailFail1PoorSmallEnhancedT1534Sweet GumLiquidantar arracitud91 </td <td></td> <td>0</td> <td></td>												0											
T150 4 Sweet Gum Liquidambar stranding 10 1 200 21.24 2.6 Semi Mature Fail	T149	4	Sweet Gum	Liquidambar styraciflua		8	1	210		19.63	2.5	Mature	Fail	Pass	Fail	Fail	Fail	Fail	1	Poor	Small	Enhanced	
T150 4 Sweet Gum Lquidambar alyracitud 10 1 220 21.24 2.6 Gature Mature Fail Fail Fail Fail Fail 1 Poor Small Enhanced T151 4 Sweet Gum Lquidambar alyracitud 9 1 20 24.63 2.8 Semi Mature Fail Fail Fail Fail Fail 1 Poor Small Enhanced T152 4 Sweet Gum Lquidambar alyracitud 10 1 280 2.4.3 2.4.5 Semi Mature Fail Fail Fail Fail Fail 1 Poor Small Enhanced T152 4 Sweet Gum Lquidambar alyracitud 10 1 280 36.32 3.4 Semi Mature Fail Fail Fail Fail Fail 1 Poor Small Enhanced T153 4 Sweet Gum Lquidambar alyracitud 9 1 220 21.24 2.6 Semi Semi Fail Fail Fail Fail Fai				l invidente en								Comi							<u> </u>				
T151 4 Sweet Gum Lquidambar styracilita 9 1 230 24.63 2.8 Semi Mature Fail Pass Fail	T150	4	Sweet Gum	styraciflua		10	1	220		21.24	2.6	Mature	Fail	Pass	Fail	Fail	Fail	Fail	1	Poor	Small	Enhanced	
I 101 4 Sweet Gum ayracifica 9 1 230 24.63 2.8 Mature Pail Fail Fail Fail Fail 1 Poor Small Enhanced T152 4 Sweet Gum Lquidambar styreadilua 10 1 280 36.32 3.4 Semi Mature Fail Fail Fail Fail 1 Poor Small Enhanced T153 4 Sweet Gum Lquidambar styreadilua 9 1 220 21.24 2.6 Semi styreadilua Fail Fail Fail Fail 1 Poor Small Enhanced			a	Liquidamhar								Semi	5 -1	D	5 -3	5 -3	5 -3	F -1			0	E-h-	
T152 4 Sweet Gum Liquidambar stranding 9 1 280 36.32 3.4 Semi Mature Fail Pass Fail	1151	4	Sweet Gum	styraciflua		9	1	230		24.63	2.8	Mature	Faii	Pass	Fall	Fail	raii	Fall		1'00ľ	Small	∟nnanced	
T153 4 Sweet Gum Louidambar 9 1 220 21.24 2.6 Semi Fail Pass Fail Fail Fail Fail Fail 1 Poor Small Enhanced	T152	4	Sweet Gum	Liquidambar		10	1	280		36 32	34	Semi	Fail	Pass	Fail	Fail	Fail	Fail	1	Poor	Small	Enhanced	
T153 4 Sweet Gum Liquidambar 9 1 220 21.24 2.6 Semi Fail Pass Fail Fail Fail Fail Fail Fail I Poor Small Enhanced		ľ.	Smoor Oum	styraciflua			Ľ	200		00.02	0.7	Mature							ľ				
	T153	4	Sweet Gum	Liquidambar		9	1	220		21.24	2.6	Semi	Fail	Pass	Fail	Fail	Fail	Fail	1	Poor	Small	Enhanced	



Annex C: Statutory Biodiversity Metric Input and Results Tables

Armada Way				
Headline Results				
	Habitat units	10.26		
On-site baseline	Hedgerow units	0.05		
	Watercourse units	0.00		
On gite post intervention	Habitat units	6.16		
(Including habitat retention, creation	Hedgerow units	1.00		
& enhancement)	Watercourse units	0.00		
	Habitat units	-4.10	-39.98%	On-site net gain is less than target set ${\tt A}$
On-site net change	Hedgerow units	0.95	1893.48%	
(amb a poroonago)	Watercourse units	0.00	0.00%	
	Habitat units	5.76		
Off-site baseline	Hedgerow units	0.00		
	Watercourse units	0.00		
Off-site post-intervention	Habitat units	11.97		
(Including habitat retention, creation	Hedgerow units	0.00		
& enhancement)	Watercourse units	0.00		
	Habitat units	6.21	107.81%	
Off-site net change	Hedgerow units	0.00	0.00%	
(unité à perférinage)	Watercourse units	0.00	0.00%	
Combined net unit change	Habitat units	2.11		
(Including all on-site & off-site habitat	Hedgerow units	0.95		
retention, creation & enhancement)	Watercourse units	0.00		
	Habitat units	0.00		
Spatial risk multiplier (SRM) deductions	Hedgerow units	0.00		
	Watercourse units	0.00		
FINAI	RESULTS			
Total not unit shange	Habitat units	2.11		
(Including all on-site & off-site habitat	Hedgerow units	0.95		
retention, creation & enhancement)	Watercourse units	0.00		
Total not % abango	Habitat units	20.53%		
(Including all on-site & off-site habitat	Hedgerow units	1893.48	%	
retention, creation & enhancement)	Watercourse units	0.00%		
Trading rules satisfied?	Y	es √		
Unit Type	Target	Baseline U	nits Unit Deficit	

Unit Type	Target	Baseline Units	Units Required	Unit Deficit
Habitat units	20.00%	10.26	12.31	0.00
Hedgerow units	20.00%	0.05	0.06	0.00
Watercourse units	20.00%	0.00	0.00	0.00

	Projec	t Name: Ar	mad	a Way	. Map I	Referenc	e: G9597.01.(100							¶rea h	abitat su	ummary
		ĸ			T T - 1 - 2 -	F						Tota	l Net U	nit Ch	ange	┝	2.11
		-A-	5	I-SITE	Hadita	t baseli	ne					Tot	al Net 9	% Cha	nge		20.53%
								ï				Trad	ing Rul	es Sat	tisfied		Yes 🗸
	ы	xisting area h	abitat	ED.											uo	je Į	Comments
1	tetic	уре	i i	stes)	ssəu	uc		Required Action to	Ecological baseline	pəu	uceq	atini d	atini be	at lost	mpensati st	vitat eplaceal ritat	
ТеЯ	Broad Ha	T tetidaH	hablace: Irreplace:	Атеа (hect	Distinctive	Conditio	Strategic significance	Meet Trading Rules	Total habitat units	Area reta	Area enha	retaine r retaine	r əniiəzəfi Ənhance	Area habita	Bespoke co	ioî beerge rri ro HCHV Jah	User comments
-	Urban	Developed land; sealed surface	No	1.8156 29	V.Low	N/A - Other	Area/ compensation not in local strategy/ no local strategy	Compensatio n Not Required	0.00			0.00	0.00	1.82 (00.0		Various surfaces - tarmac, hard standing and paving. Also Cobbled surfaces of swale, unvegetated but mostly mortared (presumably for water retention).
2	Urban	Introduced shrub	No	0.26	Low	Condition Assessm ent N/A	Area/ compensation not in local strategy/ no local strategy	Same distinctivenes s or better habitat required 2	0.52			0.00	0.00	0.26	0.52		Limited planting palate - non-native. All habitats presumed lost, although some existing planting beds will be retained but modified and replanted.
3	Jrassla nd	Modified grassland	No	0.375	Low	Poor	Area/compensa tion not in local strategy/ no local strategy	Same distinctivenes s or better habitat required 2	0.75			00.00	0.00	0.38	0.75		Amenity grassland. Hard used and worn with compaction and erosion of sward in places. All habitats presumed lost, although some existing planting beds will be retained but modified and replanted.
4	Urban	Artificial unvegetated, unsealed surface	No	0.023	V.Low	N/A - Other	Area/ compensation not in local strategy/ no local strategy	Compensatio n Not Required	0.00			0.00	0.00	0.02	00.0		Some areas of bare ground, but limited. All habitats presumed lost, although some existing planting beds will be retained but modified and replanted.

Comments	User comments	Temporary and shallow water holding sections at ends of swales. Dry at time of survey but known from online imagery (Google Streetview) to hold water at times. Unvegetated and sealed surface. Artificial sides/banks. No vegetation (aquatic, marginal or emergent). Sealed surface, when exposed, is within public access wallcways. Temporary water holding areas during heavier rainfall events.	Zone 1 - 65 trees total; 30 poor condition. Of these 0 to be retained, 3 to be enhanced, 0 to be transplanted, remainder removed. Tree removal completed March 2023. Landscape installation October 2024	Zone 1 - 65 trees total; 32 moderate condition. Of these 2 to be retained, 3 to be enhanced, 1 to be transplanted (offsite), remainder removed. Tree removal completed March 2023. Tree translocation (T045) spring 2024. Landscape installation October 2024	Zone 1 - 65 trees total; 3 good condition. All lost. Tree removal completed March 2023. Landscape installation October 2024	Zone 2 - 35 trees, 16 poor condition. Of these 1 retained, 7 enhanced. Tree removal completed March 2023. Landscape installation Apr2025
noi Ic elc	Bespoke compensat agreed for losses (VHDH or irreplaceal habitat					
	Units lost	0.03	0.68	2.54	0.59	0.46
	Area habitat lost	0.02	0.17	0.32	0.05	0.11
	Bazeline units enhanced	0 0 0	0.10	0.10	0.00	0.31
	Bazeline units retained	00.00	0.00	0.26	0.00	0.07
	Агеа епћапсеd		0.0244 29024	0.0122 14512		0.0773 58578
	Area retained			0.0325 72		0.0162 86
	Ecological baseline Total habitat units	0.0	0.78	2.90	0.59	0.83
	Required Action to Meet Trading Rules	Same distinctivenes s or better habitat required 2	Same broad habitat or a higher distinctivenes s habitat required (2)	Same broad habitat or a higher distinctivenes s habitat required (2)	Same broad habitat or a higher distinctivenes s habitat required (2)	Same broad habitat or a higher distinctivenes s habitat required (2)
	Strategic significance	Area/ compensation not in local strategy/ no local strategy	Area/ compensation not in local strategy/ no local strategy	Area/ compensation not in local strategy/ no local strategy	Area/ compensation not in local strategy/ no local strategy	Area/ compensation not in local strategy/ no local strategy
	noitibnoD	Poor	Poor	Moderate	Good	Poor
	Distinctiveness	Low	Medium	Medium	Medium	Medium
	Area (hectares)	0.017	32196	33863).0488 58049	1.2076 46708
abitats	Irreplaceable habitat	o N	No	No	oN	No
xisting area ha	əqyT tətidaH	Sustainable drainage system	Urban tree	Urban tree	Urban tree	Urban tree
ы	Broad Habitat	Urban	Individual trees	Individual trees	Individual trees	Individual trees
	IƏN	2	0	Ni	~	•

			2.49	ling area green hard	exclud trees, trees, tures)	rea lost (dividual s and inta struct	Total a of in wall						2.49	e Area trea of trees, trees, walls, walls, trures)	Site (Excluding a individual green intertida struc		
		8.55	3.62	0.99	0.72	0.22	0.10	10.26					3.94	at area	Total habita		
Zone 4 - 16 trees, poor condition, all retained and enhanced Completion December 2025		0.00	0.00	0.26	0.00	0.0651 44065		0.26	Same broad habitat or a higher distinctivenes s habitat required (2)	Area/ compensation not in local strategy/ no local strategy	Poor	Medium	0.0651 44065	No	Urban tree	trees	13
Zone 3 - 28 trees, 7 moderate condition. Of these 1 retained, rest removed. Tree removal completed March 2023. Landscape installation Jul 2025		0.68	0.09	0.00	0.13		0.0162 86	0.81	Same broad habitat or a higher distinctivenes s habitat required (2)	Area/ compensation not in local strategy/ no local strategy	Moderate	Medium	0.1017 87602	No	Urban tree	Individual trees	12
Zone 3 - 28 trees, 21 poor condition. Of these 0 retained, 3 enhanced, 3 to be transplanted (offsite). Tree removal completed March 2023. Tree transplantation spring 2024. Landscape installation Jul 2025		0.83	0.21	0.10	0.00	0.0244 29024		0.93	Same broad habitat or a higher distinctivenes s habitat required (2)	Area/ compensation not in local strategy/ no local strategy	Poor	Medium	0.2320 75733	No	Urbantree	Individual trees	
Zone 2 - 35 trees, 19 moderate condition. Of these 2 retained, 1 enhanced. Tree removal completed March 2023. Landscape installation Apr2025		1.47	0.18	0.13	0.26	86016	0.0325 72	1.86	Same broad habitat or a higher distinctivenes s habitat required (2)	Area/ compensation not in local strategy/ no local strategy	Moderate	Medium	0.2320 75733	No	Urban tree	Individual trees	10
User comments	Bespoke compensati agreed for losses c VHDH or irreplaceat habitat	Unita loat	Area habitat lost	Bazeline units Bazeline units	Baseline units retained	Area enhanced	Area retained	Ecological baseline Total habitat units	Required Action to Meet Trading Rules	Strategic significance	Condition	Distinctiveness	Area (hectares)	Irreplaceable Iabitat	9qvT tstidaH	Broad Habitat	Теf
Comments	noi fo elo												70	labitat	Existing area h	1	

mary	2.11	20.53%	Yes 🗸	Area Acceptable 🗸		Comments	User comments	Whole site - remaining area to comprise hard landscaping, assigned as 'sealed surface' although there will be differential paving, permeable surfaces, mulch, gravel etc.	Zone 1 - Ornamental planting (grass/herbaceous). Vegetation removal completed March 2023, landscape installation anticipated October 2024. (2 year delay)	Zone 1 - Amenity lawn. Vegetation removal completed March 2023, landscape installatior anticipated October 2024 (2 year delay)	Zone 1 - Reinforced lawn. Vegetation removal completed March 2023, landscape installation anticipated October 2024 (2 year delay)
habitat sum							Habitat units delivered	0.00	0.13	0.03	0.02
Area]	Unit Change	% Change	ıles Satisfied	Check		Difficulty multipliers	Final difficulty of creation	Low	Low	Low	Low
	Total Net I	Total Net	Trading Rı	Area		multiplier	Final time to target condition (years)	0	c	З	З
	<u> </u>				abitats	Temporal 1	Standard or adjusted time to target condition	Standard time to target condition applied	2 years delay in starting habitat creation	2 years delay in starting habitat creation	2 years delay in starting habitat creation
					Post intervention h	Strategic significance	Strategic significance	Area/compensation not in local strategy/ no local strategy	Area/compensation not in local strategy/ no local strategy	Area/compensation not in local strategy/ no local strategy	Area/compensation not in local strategy/ no local strategy
7.01.002						Condition	Condition	N/A - Other	Condition Assessment N/A	Poor	Poor
eference: G959		Creanon				Distinctiveness	Distinctiveness	V.Low	Low	Low	Low
Vay Map R	1 - 1 - 1 - 1 - 1	lie Haditat					Årea (hectares)	1.918175	0.0707	0.019245	0.011115
: Armada V		A-2 OII-9					Proposed habitat	Developed land; sealed surface	Introduced shrub	Modified grassland	Modified grassland
oject Name							Broad Habitat	Urban	Urban	Grassland	Grassland
Prc							Ref	-	73	c,	4

						Post intervention h	labitats				
				Distinctiveness	Condition	Strategic significance	Temporal m	ultiplier	Difficulty multipliers		Comments
Ref	Broad Habitat	Proposed habitat	Area (hectares)	Distinctiveness	Condition	Strategic significance	Standard or F adjusted time to target condition	inal time to target condition (years)	Final difficulty of creation	Habitat units delivered	User comments
വ	Grassland	Other neutral grassland	0.129831	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	2 years delay in starting habitat creation	Ζ	Low	0.81	Zone 1 - Shade tolerant native wildflower meadow. Vegetation removal completed March 2023, landscape installation anticipated October 2024 (2 year delay)
9	Heathland and shrub	Mixed scrub	0.010623	Medium	Poor	Area/compensation not in local strategy/ no local strategy	2 years delay in starting habitat creation	ε	Low	0.04	Zone 1 - Clipped bulk hedge (native species mix). Vegetation removal completed March 2023, landscape installation anticipated October 2024 (2 year delay)
Ζ	Urban	Bioswale	0.023461	Low	Fairly Good	Area/compensation not in local strategy/ no local strategy	2 years delay in starting habitat creation	4	Medium	0.07	Zone 1 - Reedbeds. Vegetation removal completed March 2023, landscape installation anticipated October 2024 (2 year delay)
ω	Urban	Bioswale	0.013324	Low	Poor	Area/compensation not in local strategy/ no local strategy	2 years delay in starting habitat creation	n	Medium	0.02	Zone 1 - Rill (unvegetated). Vegetation removal completed March 2023, landscape installation anticipated October 2024 (2 year delay)
Ø	Urban	Rain garden	0.040538	Low	Fairly Good	Area/compensation not in local strategy/ no local strategy	2 years delay in starting habitat creation	9	Low	0.16	Zone 1 - Rain garden planting. Vegetation removal completed March 2023, landscape installation anticipated October 2024 (2 year delay)
10	Urban	Introduced shrub	0.046819	Low	Condition Assessment N/A	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	1	Low	0.0	Rest of site - Ornamental planting (grass/herbaceous). Less than 12 months between vegetation removal and landscape installation for Zones 2, 3 and 4. Anticipated completion Dec 2025

						Post intervention h	abitats				
				Distinctiveness	Condition	Strategic significance	Temporal m	ultiplier	Difficulty multipliers		Comments
Ref	Broad Habitat	Proposed habitat	Area (hectares)	Distinctiveness	Condition	Strategic significance	Standard or F adjusted time to target condition	inal time to target condition (years)	Final difficulty of creation	Habitat units delivered	User comments
11	Grassland	Modified grassland	0.04665	Low	Poor	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	1	Low	0.09	Rest of site - Amenity lawn. Less than 12 months between vegetation removal and landscape installation for Zones 2, 3 and 4. Anticipated completion Dec 2025
12	Grassland	Modified grassland	0.006146	Low	Poor	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	1	Low	0.01	Rest of site - Reinforced lawn. Less than 12 months between vegetation removal and landscape installation for Zones 2, 3 and 4. Anticipated completion Dec 2025
13	Grassland	Other neutral grassland	0.015184	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	ω	Low	0.10	Rest of site - Shade tolerant native wildflower meadow. Less than 12 months between vegetation removal and landscape installation for Zones 2, 3 and 4. Anticipated completion Dec 2025
14	Heathland and shrub	Mixed scrub	0.006764	Medium	Poor	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	1	Low	0.03	Rest of site - Clipped bulk hedge (native species mix). Less than 12 months between vegetation removal and landscape installation for Zones 2, 3 and 4. Anticipated completion Dec 2025
15	Urban	Bioswale	0.016593	Low	Fairly Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	Ø	Medium	0.05	Rest of site - Reedbeds. Less than 12 months between vegetation removal and landscape installation for Zones 2, 3 and 4. Anticipated completion Dec 2025

	Comments	User comments	Rest of site - Rill (unvegetated). Less than 12 months between vegetation removal and landscape installation for Zones 2, 3 and 4. Anticipated completion Dec 2025	Rest of site - Rain garden planting. Less than 12 months between vegetation removal and landscape installation for Zones 2, 3 and 4. Anticipated completion Dec 2025	Zone 1 - 85 new trees planted, 80 in 'moderate' condition, 5 in 'poor' condition (generally as a result of location within hard landscape rather than soft landscape, in combination with 'non-native' status, but wildlife friendly species selected for pollinators and birds. Tree removal completed Mar23. Landscape installation Oct24 (2 year delay)
		Habitat units delivered	0.02	0.41	0 0
	Difficulty multipliers	Final difficulty of creation	Medium	Low	Low
	multiplier	Final time to target condition (years)	1	4	රා N
labitats	Temporal :	Standard or adjusted time to target condition	Standard time to target condition applied	Standard time to target condition applied	2 years delay in starting habitat creation
Post intervention h	Strategic significance	Strategic significance	Area/compensation not in local strategy/ no local strategy	Area/compensation not in local strategy/ no local strategy	Area/compensation not in local strategy/ no local strategy
	Condition	Condition	Poor	Fairly Good	Moderate
	Distinctiveness	Distinctiveness	Low	Low	Medium
		Area (hectares)	0.016093	0.095645	0.325720326
		Proposed habitat	Bioswale	Rain garden	Urban tree
		Broad Habitat	Urban	Urban	Individual trees
		Ref	16	17	18

						Post intervention h	labitats				
				Distinctiveness	Condition	Strategic significance	Temporal n	aultiplier	Difficulty multipliers		Comments
Ref	Broad Habitat	Proposed habitat	Area (hectares)	Distinctiveness	Condition	Strategic significance	Standard or I adjusted time to target condition	'inal time to target condition (years)	Final difficulty of creation	Habitat units delivered	User comments
19	Individual trees	Urban tree	0.02035752	Medium	Jood	Area/compensation not in local strategy/ no local strategy	2 years delay in starting habitat creation	12	Low	0.05	Zone 1 - 85 new trees planted, 80 in 'moderate' condition, 5 in 'poor' condition (generally as a result of location within hard landscape rather than soft landscape, in combination with 'non-native' status, but wildlife friendly species selected for pollinators and birds.Tree removal completed Mar23. Landscape installation Oct24 (2 year delay)
50	Individual trees	Urban tree	0.085501586	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	2 years delay in starting habitat creation	50	Low	0.24	Zone 2 - 28 new trees planted, 21 in 'moderate' condition, 7 in 'poor' condition (generally as a result of location within hard landscape rather than soft landscape, in combination with 'hon-native' status, but wildlife friendly species selected for pollinators and birds. Tree removal completed Mar23. Landscape installation Apr2025 (2 year delay)

	Comments	User comments	Zone 2 - 28 new trees planted, 21 in 'moderate' condition, 7 in 'poor' condition (generally as a result of location within hard landscape rather than soft landscape, in combination with 'non-native' status, but wildlife friendly species selected for pollinators and birds. Thee removal completed Mar23. Landscape installation Apr2025 (2 year delay)	Zone 3 - 52 new trees planted, 38 in 'moderate' condition, 14 in 'poor' condition (generally as a result of location within hard landscape rather than soft landscape, in combination with 'non-native' status, but wildlife friendly species selected for pollinators and birds. Tree removal completed Mar23. Landscape installation Jul25 (3 year delay)		
		Habitat units delivered	0.07	0.43		
	Difficulty multipliers	Final difficulty of creation	Low	Low		
	multiplier	Final time to target condition (years)	12	0 M		
abitats	Temporal	Standard or adjusted time to target condition	2 years delay in starting habitat creation	3 years delay in starting habitat creation		
Post intervention h	Strategic significance	Strategic significance	Area/compensation not in local strategy/ no local strategy	Area/compensation not in local strategy/ no local strategy		
	Condition	Condition	Poor	Moderate		
	Distinctiveness	Distinctiveness	Medium	Medium		
		Area (hectares)	0.028500529	0.154717155		
		Proposed habitat	Urban tree	Urban tree		
		Broad Habitat	Individual trees	Individual trees		
		Ref	21	52		

						Post intervention h	abitats				
				Distinctiveness	Condition	Strategic significance	Temporal n	aultiplier	Difficulty multipliers		Comments
Ref	Broad Habitat	Proposed habitat	Årea (hectares)	Distinctiveness	Condition	Strategic significance	Standard or F adjusted time to target condition	final time to target condition (years)	I Final difficulty of creation	Habitat units delivered	User comments
23	Individual trees	Urban tree	0.057001057	Medium	Poor	Area/compensation not in local strategy/ no local strategy	3 years delay in starting habitat creation	13	Low	0.14	Zone 3 - 52 new trees planted, 38 in 'moderate' condition, 14 in 'poor' condition (generally as a result of location within hard landscape rather than soft landscape, in combination with 'non-native' status, but wildlife friendly species selected for pollinators and birds. Tree removal completed Mar23. Landscape installation Jul25 (3 year delay)
	Tot	al habitat area	3.16							3.95	
	Site Area (E of individua walls, i	Excluding area al trees, green intertidal hard structures)	2.49								

	;													
Proj	ject Name	: Armada	Way I	dap Referenc	se: G959	7.01.0(02					Area habit:	at summa:	ry
	ĸ		tidoU o	ot Enhando	tucut					Total 1	Net Unit C	Thange		2.11
	-V-			מו הנווומווטכ	IIIAIII					Total	Net % CI	hange		20.53%
										Tradin	ng Rules S	atisfied		Yes 🗸
						Pos	t intervent	ion habitat	ß					
	Baseline habitats	Proposed (Broad hat populated b overrid	. Habitat bitat pre- vut can be (den)	Change in distir and condi	nctiveness tion		ssəut		Strategic significance	Tempora multipli	ıl risk ier	Difficulty risk multipliers	Hahitat	Comments
Bazeline ref	Baseline habitat	Proposed Broad Habitat	Proposed habitat	Distinctiveness change	Condition change	Area (hz)	Distinctive	Condition	Strategic significance	Standard or adjusted time to target condition	Final time to target condition (years)	Final difficulty of enhancement	units delivered	User comments
9	Individual trees - Urban tree	Individual trees	Urban tree	Medium - Medium	Poor - Moderate	0.0244 29024	Medium	Moderate	Area/ compensation not in local strategy/ no local strategy	Standard time to target condition applied	16	Low	0.15	Zone 1 = 3 trees enhanced from poor to moderate condition (improved setting and/or health)
Ζ	Individual trees - Urban tree	Individual trees	Urban tree	Medium - Medium	Moderate - Good	0.0122	Medium	Good	Area/ compensation not in local strategy/ no local strategy	Standard time to target condition applied	16	Low	0.13	Zone 1 = 3 trees enhanced from moderate to good condition (improved setting and/or health)
Ø	Individual trees - Urban tree	Individual trees	Urban tree	Medium - Medium	Poor - Moderate	0.0773 58578	Medium	Moderate	Area/ compensation not in local strategy/ no local strategy	Standard time to target condition applied	16	Low	0.48	Zone 2 = 7 trees enhanced from poor to moderate condition (improved setting and/or health)
10	Individual trees - Urban tree	Individual trees	Urban tree	Medium - Medium	Moderate - Good	0.0162	Medium	Good	Area/compensa tion not in local t strategy/ no local strategy	Standard time to target condition applied	16	Low	0.17	Zone 2 = 1 tree enhanced from moderate to good condition (improved setting and/or health)
11	Individual trees - Urban tree	Individual trees	Urban tree	Medium - Medium	Poor - Moderate	0.0244 29024	Medium .	Moderate	Area/compensa tion not in local t strategy/ no local strategy	Standard time to target condition applied	16	Low	0.15	Zone 3 = 2 trees enhanced from poor to moderate condition (improved setting and/or health)
13	Individual trees - Urban tree	Individual trees	Urban tree	Medium - Medium	Poor - Moderate	0.0651 44065	Medium .	Moderate	Area/compensa tion not in local t strategy/ no local strategy	Standard time to target condition applied	16	Low	0.41	Zone 4 = 16 trees enhanced from poor to moderate condition (improved setting and/or health)
				Total h	abitat area	0.22							1.49	

ſ						Ð	teferenc	ətiz-ffO	OFF]								OF'F'																			
	mmary	2.11	20.53%	Yes 🗸		Comments		User comments	CALCULATION EXERCISE to	account for unknown site (probably amenity grassland)	for translocation. Assume	tour trees at 10m-20m	spacifig – all al ea ol up lo 20mx20m (0.04ha). No	change to underlying	baseline habitat (translocated	CTEES WILL SIMPLY OVERSALL).	CALCULATION EXERCISE	offsite location(s) for new	tree planting offset needed to	deliver project target of 20%	net gain - location(s)	currently unknown. Habitat	assurited to comprise amonity massiand	Estimated area for tree	planting allows for up to 5m	spacing (assuming all trees	would be planted as	'individuals', however denser	spacing would be	appropriate to create smalls	stands etc). Small trees	(whips to small standards,	pretet aviy targe reamered, staked and miarded if	appropriate to location) to	achieve moderate condition	(native or non-native cood
	abitat su					n HDH or	ipensation sses of VI tabitat	irreplaceable agreed for lo Bespoke corr				n/a															n/a									
	ea he	ge	Ð	ied	ľ		fac	ol atinU				0.00															00.0									
	Are	Than	nang	atisf			at lost	Area habit				0.00															00.0									
		Jnit O	% CI	lles S			ed bə	enhanc Baseline				00.0															00.0									
		Net l	l Net	ng Rı			pa	retaine retaine				0.16															9.60									
		Total	Tota	Tradi			Inceg	Area enha																												
							pəui	etər sərA				0.04															1.4									
						eline ogical	Dase Ecolo	Total habitat units				0.16															5.60									
						ਸ਼ਿਵਾ	qitlum As	ti leiteq2		Compensation	inside LPA	boundary or	NCA of impact	site											Compensation	inside LPA	boundary or	NCA of impact	SILC							
ſ						jeeM	Action to	.bərirpəЯ berT		Same	distinctiveness	or better	habitat	required ≥											Same	distinctiveness	or better	habitat	z naimhai							
	Reference:	onilose							Area/	compensation	not in local	strategy/ no	local strategy											Area/	compensation	not in local	strategy/ no	local sil alegy								
	r Map	a teti	דומו ד				Condition					Moderate					Moderate																			
	ada Way	Чен	ΠΟΓΙ				SSƏU	Distinctive				Low															Low									
	: Arm	(+!)	DITC			ş	sares)	Area (hec				0.04				T											1.4									
	Name	E E				habitat	ıt sible	habiace Irreplace	Í			No				1											No									
	Project l					isting area.),YDe	l tatidaH				Modified	Ulbiccold													Modified	orrassland	0								
		F	-			Ex	bitat	Broad Ha				Jrassla nd	חות			T										raccia	pu									
								ТеЯ				-				+										C	N N									

ə:	referenc	ətiz-ffO					
Comments		User comments	health, planted in soft landscaping). No change to underlying baseline habitat (new planted trees will	sımply oversaul). May comprise single site or multiple smaller sites.			
n HDH or	pensation sees of VI tabitat	irreplaceable agreed for los Bespoke com					
	ja,	ol atinU			00.0		
	taol te	stidad astĀ			00.0	0.00	
	atinu be	r enilezea Bazeline			00.0	ea los urea o greei	ertida
	atinu b	ı əniləzs8 Ənistər			5.76	otal ar ding a rees,	nd int I struc
	pəpu	Area enha			0.00	Tc exclu idual (ralls a hard
	pəu	Rrea retai			1.44) indivi	М
aline dical	Dase Ecolo	Total habitat units			5.76		
lier	dillum As	in leiteq2					
Meet	rction to	l bərirpəfi İberT					
		Strategic significance					
	uc	Conditio					
	SSƏU	Pistinctive					
70	stes)	ћрей) көтА			1.44	1.44	
abitats	atas 1	bablace: biden			ıt are	Area area idual	rtidal ures)
isting area h	, i Abe	T feficieH			Total habits	Site (Excluding of indiv trees. o	walls, inte hard struct
EX	bitat	Broad Ha					
		Теf					

	[I			Ref	OFF1	OFF2		
irea habitat summary	ange 2.11	nge 20.53%	isfied Yes 🗸	Area Acceptable 🗸			Comments	User comments	2ALCULATION EXERCISE - Transplanting T45 edium, moderate) and T119, T120 (small, poor) and T124 (medium, poor) to offsite receptor cation TBC). T119, T120 and T124 subsequently hanced from poor to moderate (T45 remains at moderate) = total 2 medium trees, moderate ondition and 2 small trees, moderate condition. unslocation anticipated spring 2024. No delay in habitat creation applied (translocation).	ALCULATION EXERCISE - minimum number of ew trees needed for project to deliver 20% net ain target = 525. Assume planting would occur ithin amenity grass site(s). Allows for up to 5m pacing (assuming all trees would be planted as lividuals', however denser spacing (to min 1.5m) would be appropriate to create smalls ands/groups/lines). Small trees (whips to small andards in groups, but preferably at least large feathered if planted individually or in visually prominent locations, staked and guarded if appropriate to location) to achieve moderate condition (native or non-native, good health, planted in soft landscaping). No change to derlying baseline habitat (new planted trees will simply oversail). May comprise single site or liple smaller sites. Assumes planting delivered by March 2025.		
	Net Unit Ch	l Net % Cha	ng Rules Sat	Area Check				Habitat units delivered	(n. (16 0.12 0.12	6.09 S S M	6.21	
	Total	Tota	Tradir	7		S	Spatial risk multiplier	Spatial risk category	Compensation inside LPA boundary or NCA of impact site	Jompensation inside LPA boundary or NCA of impact site		
						ntion habitat	Difficulty multipliers	Final difficulty of creation	Low	Fow		
						Post interve	l multiplier	Final time to target condition (years)	27	00		
Ē	[I				Tempora	Standard or adjusted time to target condition	Standard time to target condition applied	2 year delay in habitat creation		
ence:								Strategic	Area/ compensation not in local strategy/ no local strategy	Area/ compensation not in local strategy/ no local strategy		
lap Refer		reauon						Condition	Moderate	Moderate		
Vay N							S	Distinctivenes	l Medium	Medium		
Armada V	UT 01:0 3	I-DILE LIA						Area (ha)	0.040715041	2.137539642	2.18	0
rt Name:		10-4 10-4						Proposed habitat	Urban tree	Urban tree	oitat area	ig area of sen walls, uctures)
Projec								Broad Habitat	Individual trees	Individual trees	Total hak	a (Excludin 11 trees, gre al hard stru
								Ref	1	0		Site Are individue intertid

y	0.95	1893.48%	Yes 🗸		Comments	User comments	Low, short, managed ornamental hedge, delineating part of an urban landscape feature.	Low, short, managed ornamental hedge, delineating part of an urban landscape feature.	Low, short, managed ornamental hedge, delineating part of an urban landscape feature.	Low, short, managed ornamental hedge, delineating part of an urban landscape feature.	
nmar						lost	0.01	0.02	0.01	0.01	0.05
INS MO		_	_	0		Length lost	0.01	0.02	0.01	0.01	0.05
Hedgerc	nge	ıge	sfied			Units enhanced	0.00	0.00	00.0	00.0	
Ι	nit Cha	% Chai	es Sati			Units etained	0.00	0.00	0.00	0.00	
	otal Net U	Potal Net	ading Rul			Length enhancedr					
	Ţ	- ·	Ę			Length retained					
				-	Ecological baseline	Total hedgerow units	0.01	0.02	0.01	0.01	0.05
						Required Action to Meet Trading Rules	Same distinctiveness band or better	Same distinctiveness band or better	Same distinctiveness band or better	Same distinctiveness band or better	
97.01.001					Strategic significance	Strategic significance	Area/compensation not in local strategy/ no local strategy				
ce: G95((ап			eness Condition	Condition	Poor	Poor	Poor	Poor	
dap Referen	dee Deed	TIGE DASET			Distinctiveness	Distinctiveness	V.Low	W.Low	MoTV	V.Low	
ay N	ب _ت 11 ر	ലെ ച			abitats	Length (km)	0.01	0.02	0.01	0.01	0.05
Armada W					hedgerow ł	Habitat type	Non-native and ornamental hedgerow	Non-native and ornamental hedgerow	Non-native and ornamental hedgerow	Non-native and ornamental hedgerow	
ame: /	Ê	9			Existing	Hedge number	Ц	5	ŝ	4	
ct N						Ref	1	03	e	4	ß
Proje											

ledgerow summary	nge 0.95	1893.48% ISB	sfied Yes 🗸	Comments	User comments	Zone 1 (vegetation removed March 2023, tree translocation spring 2024, landscape installation october 2024). Clipped formal and loose non-native hedgerows.	Zone 2 (vegetation removal Jun 2024, landscape stallation April 2025). Clipped formal and loose non- native hedgerows.	Zone 3 (vegetation removal March 2025, landscape nstallation July 2025). Loose non-native hedgerows.	
	al Net Unit Ch	otal Net % Cha	ding Rules Sati		Hedge units delivered	0.30	0.40 ii	0.30	1.00
	Tot	Tc	Tra	Difficulty risk multipliers	Final lifficulty of creation	Low	Low	Low	
				multiplier 1	Final time to target condition (years)	ი	1	1	
				Temporal :	Standard or adjusted time to target condition	2 year delay in starting habitat creation	Standard time to target condition applied	Standard time to target condition applied	
1.002				Strategic significance	Strategic significance	Area/compensation not in local strategy/ no local strategy	Area/compensation not in local strategy/ no local strategy	Area/compensation not in local strategy/ no local strategy	
G9597.0				Condition	Condition	Poor	Poor	Poor	
Reference: (Distinctiveness	Distinctiveness	V.Low	V.Low	V.Low	
Map	.To al ac	uead		habitats	Length (km)	• 1 0.336) 0.41	0.31	1.06
ada Way	ι υ τι υ	L ƏIIG-IIV		Proposed]	Habitat type	Non-native and omamenta hedgerow	Non-native and omamenta hedgerow	Non-native and omamenta hedgerow	
me: Armá		D-4-C			New hedge number				
Project Na					Ref	1	2	S	



Annex D: Predicted Habitat Condition Assessment
Cond	ition Sheet: GRASSLAND H	abitat Type (low disti	nctiveness)				
Grass	and - Modified grassland				1		
0.000	iana incanca gracolaria						
Site r	name/location	Armada Way,	Onsite/offsite	On site	Onsite/offsite	On site	
		Plymouth	Unique polygon reference	4, 6, 7, 10, 11, 12, 13, 14, 19, 137	Unique polygon reference	3, 5, 8, 9, 16, 17	
			Landscape feature	LAWN - REINFORCED ('modified grassland')	Landscape feature	LAWN - AMENITY ('modified grassland')	
Cond	ition Assessment Criteria		Condition	Notes/Justification	Condition	Notes/Justification	
1	There must be 6.9 species	por m2 If a	Achieved (Y/N)	Amonity groop mix	Achieved (Y/N)	Amonity groop mix	
I	grassland has 9 or more spi should be classified as a me grassland habitat type. NB - this criterion is essen moderate condition.	ecies per m2 it edium distinctiveness itial for achieving	IN	species poor	Ν	species poor	
2	Sward height is varied (at le is less than 7 cm and at leas 7 cm) creating microclimate opportunities for insects, bin mammals to live and breed.	east 20% of the sward at 20% is more than as which provide rds and small	N	Mown for amenity use	Ν	Mown for amenity use	
3	Some scattered scrub (inclu be present, but scrub accou 20% of total grassland area. shrubs with continuous (mo should be classified as the r type.	uding bramble) may unts for less than Note - patches of re than 90%) cover relevant scrub habitat	Y	Mown for amenity use	Y	Mown for amenity use	
4	Physical damage is evident total grassland area. Examp damage include excessive p from machinery use or stora by high levels of access, or management activities.	in less than 5% of les of physical boaching, damage age, erosion caused any other damaging	N	High access area	N	High access area	
5	Cover of bare ground is bet including localised areas (for concentration of rabbit warr	ween 1% and 10%, r example, a rens).	N	Reinforced	Y	Maintained	
6	Cover of bracken less than	20%.	Y	Maintained	Y	Maintained	
7	There is an absence of inva species (as listed on Sched	sive non-native ule 9 of WCA, 1981).	Y	Maintained	Y	Maintained	
Esser	ntial criterion 1 achieved (Y	/N)	N		N		
Numb	per of criteria passed		3		4		
Condition Assessment Result Assessment Score			Condition Achieve	d	Condition Achiev	ed	
Passes 6 or 7 of 7 criteria Good (3) including passing essential criterion 1							
Passes 4 or 5 of 7 criteria Moderate (2) including passing essential criterion 1							
Passes 0, 1, 2 or 3 of 7 criteria; OR 4, 5 or 6 of criteria but failing criterion 1			"Poor"		"Poor" although passes 4 criteria, is presumed to fail criterion 1.		

Condi	tion Sheet: GRASSLAND Habitat Type (med	ium, high & very high distincti	veness)	
Grass	and - Other neutral grassland			
Site na	ame/location	Armada Way, Plymouth	Onsite/offsite	On site
Lands	cape Feature	Unique polygon reference	20, 22, 23, 25, 132, 135, 136	
		Туре	OTHER NEUTRAL GRASSLAND	
Condi	tion Assessment Criteria		Condition Achieved (Y/N)	Notes/Justification
1	The appearance and composition of the vege characteristics of the specific grassland habit Wildflowers, sedges and indicator species for type are very clearly and easily visible throug criterion is essential for achieving moderat grassland types only.	tation closely matches at type (see UKHab definition). the specific grassland habitat hout the sward. NB - This te condition for non-acid	Y	g3c maintained as meadow grassland, with no public access except if mown path provided through plot.
2	Sward height is varied (at least 20% of the sw least 20 per cent is more than 7 cm) creating opportunities for insects, birds and small man	N	Small areas, mowing unlikely to achieve significant 'within plot' structural diversity, other than path mown through. But sward structure could be varied between plots for greater diversity across the whole.	
3	Cover of bare ground between 1% and 5%, ir example, rabbit warrens.	ncluding localised areas, for	Y	Maintained
4	Cover of bracken less than 20% and cover of than 5%.	scrub (including bramble) less	Y	Maintained
5	There is an absence of invasive non-native sp of WCA, 1981). Combined cover of species ir condition1 and physical damage (such as exo machinery use or storage, damaging levels of damaging management activities) accounts for	Y	Maintained	
Additi	onal Group (Non-acid types only)			
6	There are greater than 9 species per metre s essential for achieving good condition (nor	Ŷ	Maintained - floristic diversity should be feasible to maintain through management (including occasional 'top up' seeding if required) but as a precaution, moderate condition assumed.	
	Criterion 1 Achieve	ed (Essential for good conditio	n for non-acid grassland) (Y/N)	Y
0			Number of criteria passed	5
Condi	tion Assessment Result	Condition Assessment Score	Condition Achieved	
Non-a	cid grassland Types	Cood (2)	1	
and 6.	s o o o criteria, including essential criterion 1			
Passes criteric	s 3 or 4 of 6 criteria, including essential on 1.	"Moderate" although passes 5 of selected as precautious approa	criteria, "moderate" condition ich to reflect urban context.	
Passes Passes	s 0, 1, 2 criteria of 6 criteria; OR s 3 or 4 criteria excluding criterion 1 and 6	Poor (1)		
Sugge	ested enhancement interventions to improve	e condition score	•	
Notes				
Footn	ote 1 - Species indicative of sub-optimal condi	tion for this habitat type include	:	

Creeping thistle *Cirsium arvense*, spear thistle *Cirsium vulgare*, curled dock *Rumex crispus*, broad-leaved dock *Rumex obtusifolius*, common nettle *Urtica dioica*, creeping buttercup *Ranunculus repens*, greater plantain *Plantago major*, white clover *Trifolium repens*, cow parsley *Anthriscus sylvestris*.

Condition Sheet: URBAN Habitat Type UKHab Habitat Type

Urbar Urbar	a - Bioswale a - Rain garden									
Site n	ame/location	Armada Way, Plymouth	Onsite/ offsite	On site	Onsite/ offsite	On site	Onsite/ offsite	On site		
			Unique polygon reference	21, 24, 39, 40, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 88, 90, 93, 94, 95, 96, 99, 104, 105, 107, 108	Unique polygon reference	89, 91, 109, 110, 111, 112, 114, 115, 116, 117, 118, 119, 120, 121, 139	Unique polygon reference	122, 123, 124, 125, 126, 127, 128, 129, 130		
			Landscape Feature	RAIN GARDENS	Landscape Feature	REEDBEDS	Landscape Feature	RILL (Bioswale)		
			Туре	Urban - rain gardens	Туре	Urban - bioswale	Туре	Urban - bioswale		
Cond	ition Assessment Criteria		Condition Achieved	Notes/Justification	Condition Achieved	Notes/Justification	Condition Achieved	Notes/Justification		
CORE	CRITERIA - applicable to all urban	n habitat types:					(1/14)			
1	Vegetation structure is varied, pro opportunities for insects, birds and breed. A single ecotone (i.e. scru herbs) should not account for mo- total habitat area.	oviding nd bats to live and b, grassland, ore than 80% of the	Y	Diverse structure will be developed by diverse planting mixes. Bug hotels also to be incorporated.	Y	Created to mimic pocket naturalistic reedbeds	N	Majority is likely to lack vegetation		
2	 There is a diverse range of flowering plant species, providing nectar sources for insects. These species may be either native, or non-native but beneficial to wildlife. NB - To achieve GOOD condition, criterion 2 must be satisfied by native species only (rather than non-natives beneficial to wildlife). Note that Biodiverse green roofs are exempt from this requirement, and can include non-native sedums, as set out in footnote 1. 			Will include a high proprtion of native species, but will also likley include visually aesthetic non- native although these will be wildlife friendly species	Y	Will include a mostly native species, but will also likley include visually aesthetic non-native although these will be wildlife friendly species	N	Will likely lack vegetation		
3 Invasive non-native species (Schedule 9 of WCA) cover less than 5% of total vegetated area. NB - To achieve GOOD condition, criterion 3 must be satisfied by a complete absence of invasive non-native species (rather than <5% cover).			Y	Maintained	Y	Maintained	Y	Maintained		
4b	The water table is at or near the	surface throughout		/pes:	Y	Maintained	Y	Maintained		
	the year. This could be open wate soil at the surface.	er or saturation of								
Es	sential criterion 2&3 achieved? (r	nust be achieved to	score a good	N		Y		N		
	condition for	non biodiverse gre	en roots) (Y/N) criteria passed	3		4		2		
Cond	ition Assessment Result	Condition	Score Achiev	ed ×/	Score Achiev	red ×/	Score Achiev	ed ×/		
lf 3 cr	iteria assessed:				_					
Mee condi	ts the requirements for good	G000 (3)								
condition within criteria 2 and 3 · Passes 2 of 3 core criteria; OR · Passes 3 of 3 core criteria but does not meet the requirements for good condition within criteria 2 and 3		"Fairly good" - cannot achieve "good" as C2 will not be wholly satisfied with native species, but will include a high proportion of natives and the non-natives will be selected for wildlife benefit. "Fairly good" condition is considered appropriate considering urban nature of the habitat and the design intentions.								
• Pas	ses 0 or 1 of 3 core criteria	Poor (1)								
If 4 cr	iteria assessed: ses 3 of 3 core criteria: AND	Good (3)	[1		1			
Mee condi Pass	ts the requirements for good tion within criteria 2 and 3; AND ses additional criterion 4a or 4b									
Passes 2 or 3 of 4 criteria; OR Passes 4 of 4 criteria but does not meet the requirements for good condition within criteria 2 and 3					- cannot achieve "good" as wholly satisfied with native ill include a high proportion the non-natives will be ildlife benefit. "Fairly good" onsidered appropriate rban nature of the habitat in intentions.					
• Pas	ses 0 or 1 of 4 criteria	Poor (1)					"Poor" - althou assumed to be "poor" condition appropriate.	bor" - although passes 2 criteria, is sumed to be unvegetation and therefore bor" condition is considered most propriate.		
Sugg	ested enhancement intervention	s to improve condit	ion score							

Notes Footnote 1: For Biodiverse green roofs only - experience has shown that a range of sedums species (native, naturalised, and non-native) support wildflowers during hot periods. Therefore, for Criteria 2 a Biodiverse green roof can have non-native sedums and still achieve Good condition.

Footnote 2: For Criteria 3 – For green roof habitat types only - Buddleja davidii should be assessed alongside Schedule 9 species. This species impairs the health of the local ecosystem and reduces the biodiversity potential of the roof. It is also a sign that a roof has not be planted and seeded correctly in sub-sequent years.

Condition Sheet: SCRUB Habitat Typ	e				
UKHab Habitat Type					
Heathland and shrub - Mixed scrub					
Site name/location	Armada Way, Plymouth	Onsite/offsite	Onsite		
		Unique polygon reference	29, 30, 31, 32, 64, 65, 133, 134		
Landscape Feature	Clipped bulk hedge	Туре	Heathland and shrub - mixed scrub		
Condition Assessment Criteria		Condition Achieved (Y/N)	Notes/Justification		
1 Habitat is representative o There are at least three we more than 75% of the cov which can be up to 100%	f UKHab description (where in its natural range). body species, with no one species comprising er (except common juniper, sea buckthorn or box, cover).	Y	Proposed to comprise native species (hawthorn, holly and hornbeam)		
2 There is a good age range young shrubs and mature	 – all of the following are present: seedlings, shrubs. 	Ν	Newly planted, likely to be of similar age/size		
3 There is an absence of inv of WCA, 1981) and specie than 5% of ground cover.	asive non-native species (as listed on Schedule 9 s indicative of sub-optimal condition make up less	Y	No invasives would be included in the planting mix and landscape management would prevent occurance		
4 The scrub has a well-deve grassland and/or herbs pr	loped edge with scattered scrub and tall esent between the scrub and adjacent habitat(s).	N	Maintained as a trimmed features within an urban setting		
5 There are clearings, glade sheltered edges.	s or rides present within the scrub, providing	N	Maintained as individual 'bulk' features within an urban setting		
Number of criteria passed		2			
Condition Assessment Result	Condition Assessment Score	Condition Achieved			
Passes 5 of 5 criteria	Good (3)				
Passes 3 or 4 of 5 criteria	Moderate (2)				
Passes 0, 1 or 2 of 5 criteria	Poor (1)	"Poor"			
Footnote 1 - Species indicative of sub-	optimal condition for this babitat type include: tree	-of-heaven Alianthus alti	ssima, holm oak Quercus, ilex		

Footnote 1 - Species indicative of sub-optimal condition for this habitat type include: tree-of-heaven *Alianthus altissima*, holm oak *Quercus ilex*, turkey oak *Quercus cerris*, creeping thistle *Cirsium arvense*, common nettle *Urtica dioica*, cherry laurel *Prunus laurocerasus*, snowberry *Symphoricarpos* spp., buddleia *Buddleja* spp., cotoneaster *Cotoneaster* spp., Spanish bluebell *Hyacinthoides hispanica* (or hybrids).

Condition sheet: HEDGEROW Habitat Types										
UKHab Habitat Type										
Hedge Ornamental Non-	Native Hedgerow									
Site name/Location	Armada Way, Plymouth	Onsite/offsite	Onsite							
		Unique polygon reference(s)	N/A (ref Figure 3)							
Landscape Feature Clipped formal hedge Loose formal hedge		Туре	NON-NATIVE ORNAMENTAL HEDGE							
Condition Assessment	Criteria									
No assessment required	- condition fixed at Poor.									
Note, although formal he hornbeam), given the for selected for the purpose	edges are currently proposed rmal maintenance and setting so of the BNG metric as a pre	d to comprise native spe g of these features, 'orn ecautious approach.	ecies (hawthorn, holly and namental non-native hedgerow' is							

Condition Sheet: URBAN TREES Habitat Type ÚKHab Habitat Type(s)												
Individual	Trees - Urba	n trees										
Site nam Landscar	e/location		Armada Way, Plymouth Specimen trees			Type	Individual trees -	Individual trees - Urban trees				
Conditio	n Assessmen	it Summary				Condition Asses	ssment Criteria					
Condition	l ant Desult	Condition	Condition Achieved		Nr Trees	The tree is a	The tree canopy	The tree is	There is little or	Natural	More than 20%	
Passes 5	or 6 of 6	Score Good (3)	Proposed Specimen Trees Onsite	•		(or at least 70% within the block	continuous, with gaps in canopy	than 50% within the block are	an adverse impact on tree	niches for vertebrates and	canopy area is oversailing	
criteria			Proposed Specimen Trees Offsite	e (new /	0	are native species).	cover making up <10% of total	mature).	health by human activities	invertebrates are present,	vegetation beneath.	
			translocated) Retained Trees		0	-	area and no individual gap		(such as vandalism,	such as presence of		
Passes 3	or 4 of 6	Moderate (2)	Proposed Specimen Trees Onsite)	4	-	being >5 m wide (individual		herbicide or detrimental	deadwood, cavities, ivy or		
criteria			Proposed Specimen Trees Offsite	e (new /	520		trees automatically		agricultural activity). And	loose bark.		
			translocated) Retained Trees		24		pass this criterion).		there is no current regular			
Passes 0,	1 or 2 of 6	Poor (1)	Proposed Specimen Trees Onsite)	26				so the trees			
criteria			Proposed Specimen Trees Offsite	e (new /	0	-			expected			
			translocated) Retained Trees		1	-			age range and height.			
Onsite /	Impact	Ref	Common Name	Girth at	Size	A	В	с	D	E	F	Target
Offsite	New	1	Cilvertime	planting (cm)	Class	N	X	N	X	N	X	Condition
Zone 1 Zone 1	New	2	Silver Lime	40-45	Small	N	Y Y	N	Y Y	N	Y Y	Moderate
Zone 1	New	3	Silver Lime	40-45	Small	N	Y	N	Y	N	Y	Moderate Moderate
Zone 1	New	5	Silver Lime	40-45	Small	N	Y	N	Y	N	Y	Moderate
Zone 1	New	6	Silver Lime	40-45	Small	N	Y	N	Y	N	Y	Moderate Moderate
Zone 1	New	8	Double Crimson Hawthorn	25-30	Small	N	Y	N	Y	N	Y	Moderate
Zone 1	New	9	Double Crimson Hawthorn	25-30	Small	N	Y	N	Y	N	Y	Moderate
Zone 1	New	10	Double Crimson Hawthorn	25-30	Small	N	Y Y	N	Y	N	Y Y	Moderate
Zone 1	New	12	Double Crimson Hawthorn	25-30	Small	N	Y	N	Y	N	Y	Moderate
Zone 1 Zone 1	New	13	Double Crimson Hawthorn Double Crimson Hawthorn	25-30	Small	N	Y Y	N	Y Y	N	Y Y	Moderate Moderate
Zone 1	New	15	Double Crimson Hawthorn	25-30	Small	N	Y	N	Y	N	Y	Moderate
Zone 1 Zone 1	New	16	Double Crimson Hawthorn Cockspur Hawthorn	25-30	Small	N	Y Y	N N	Y Y	N N	Y Y	Moderate Moderate
Zone 1	New	18	Cockspur Hawthorn	25-30	Small	N	Ý	N	Y	N	Y	Moderate
Zone 1 Zone 1	New	19	Cockspur Hawthorn	25-30	Small	N	Y	N	Y Y	N	Y Y	Moderate Moderate
Zone 1	New	21	Cockspur Hawthorn	25-30	Small	N	Ŷ	N	Ŷ	N	Ŷ	Moderate
Zone 1	New	22	Cockspur Hawthorn	25-30	Small	N	Y	N	Y	N	Y	Moderate
Zone 1	New	24	Lienco Field Maple	25-30	Small	N	Ý	N	Ŷ	N	Y Y	Moderate
Zone 1	New	25	Lienco Field Maple	25-30	Small	N	Y	N	Y	N	Y	Moderate Moderate
Zone 1	New	27	Lienco Field Maple	25-30	Small	N	Ŷ	N	Ŷ	N	Ŷ	Moderate
Zone 1	New	28	Lienco Field Maple	25-30	Small	N	Y	N	Y	N	Y	Moderate
Zone 1	New	30	Lienco Field Maple	25-30	Small	N	Ŷ	N	Ŷ	N	Y	Moderate
Zone 1	New	31	Lienco Field Maple	25-30	Small	N	Y	N	Y	N	Y	Moderate Moderate
Zone 1	New	33	Lienco Field Maple	25-30	Small	N	Ŷ	N	Ŷ	N	Y	Moderate
Zone 1	New	34	Lienco Field Maple	25-30	Small	N	Y	N	Y	N	Y	Moderate
Zone 1	New	36	Lienco Field Maple	25-30	Small	N	Y	N	Y	N	Y	Moderate
Zone 1	New	37	Tree of Heaven	40-45	Small	N	Y	N	Y	N	Y	Moderate
Zone 1	New	39	Common Alder	25-30	Small	Y	Y	N	Y	N	Y	Moderate
Zone 1	New	40	Common Alder	25-30	Small	Y	Y	N	Y	N	Y	Moderate
Zone 1	New	41	New Horizon Elm	25-30	Small	N	Y Y	N	Y	N	n	Poor
Zone 1	New	43	New Horizon Elm	25-30	Small	N	Y	N	Y	N	N	Poor
Zone 1 Zone 1	New	44	New Horizon Elm	25-30	Small	N	Y Y	N	Y	N	N	Poor Poor
Zone 1	New	46	Himalayan Birch	18-20	Small	N	Y	N	Y	N	Y	Moderate
Zone 1 Zone 1	New	46	Himalayan Birch Himalayan Birch	18-20	Small	N	Y Y	N	Y	N	Y Y	Moderate
Zone 1	New	46	Himalayan Birch	18-20	Small	N	Y	N	Y	N	Y	Moderate
Zone 1 Zone 1	New	46	Himalayan Birch Himalayan Birch	18-20	Small	N	Y Y	N	Y Y	N	Y Y	Moderate Moderate
Zone 1	New	46	Himalayan Birch	18-20	Small	N	Ŷ	N	Ŷ	N	Ŷ	Moderate
Zone 1 Zone 1	New	46	Himalayan Birch Himalayan Birch	18-20	Small	N	Y Y	N	Y Y	N	Y Y	Moderate
Zone 1	New	46	Himalayan Birch	18-20	Small	N	Ŷ	N	Ŷ	N	Ŷ	Moderate
Zone 1	New	46	Himalayan Birch	18-20	Small	N	Y	N	Y	N	Y	Moderate Moderate
Zone 1	New	46	Himalayan Birch	18-20	Small	N	Ŷ	N	Ŷ	N	Y	Moderate
Zone 1	New	46	Himalayan Birch	18-20	Small	N	Y	N	Y	N	Y	Moderate
Zone 1	New	46	Himalayan Birch	18-20	Small	N	Y	N	Y	N	Y	Moderate
Zone 1	New	46	Himalayan Birch	18-20	Small	N	Y	N	Y	N	Y	Moderate
Zone 1	New	46	Himalayan Birch	18-20	Small	N	Y	N	Y	N	Y	Moderate
Zone 1	New	46	Himalayan Birch	18-20	Small	N	Y	N	Y	N	Y	Moderate
Zone 1 Zone 1	New	40	Himalayan Birch	18-20	Small	N	Y	N	Y	N	Y	Moderate
Zone 1	New	46	Himalayan Birch	18-20	Small Small	N	Y	N	Y	N	Y	Moderate
Zone 1	New	46	Himalayan Birch	18-20	Small	N	Y	N	Y	N	Y	Moderate
Zone 1	New	46	Himalayan Birch	18-20	Small	N	Y	N	Y	N	Y	Moderate
Zone 1 Zone 1	New	48	Golden Birch	25-30 25-30	Small	N	Y	N	Y	N	Y	Moderate
Zone 1	New	49	Golden Birch	25-30	Small	N	Y	N	Y	N	Y	Moderate
∠one 1 Zone 1	New	50 51	New Horizon Elm	25-30	Small Small	N	Y	N	Y Y	N	Y Y	Moderate Moderate
Zone 1	New	52	New Horizon Elm	25-30	Small	N	Y	N	Y	N	Y	Moderate
Zone 1 Zone 1	New	53 54	New Horizon Elm New Horizon Elm	25-30	Small Small	N	Y	N	Y Y	N	Y Y	Moderate Moderate
Zone 1	New	55	Mayfield Maidenhair Tree	25-30	Small	N	Y	N	Y	N	Y	Moderate
Zone 1	New	56	Mayfield Maidenhair Tree	25-30	Small	N	Y	N	Y	N	Y	Moderate

Onsite / Offsite	Impact	Ref	Common Name	Girth at planting (cm)	Size Class	A	В	C	D	E	F	Target Condition
Zone 1 Zone 1	New New	58 59	Mayfield Maidenhair Tree Mayfield Maidenhair Tree	25-30 25-30	Small Small	N N	Y Y	N N	Y Y	N N	Y Y	Moderate Moderate
Zone 1	New	60	Norway Maple	40-45	Small	N	Ŷ	N	Ŷ	N	N	Poor
Zone 2 Zone 2	New New	61 62	Mayfield Maidenhair Tree Mayfield Maidenhair Tree	25-30 25-30	Small Small	N N	Y Y	N N	Y Y	N N	Y Y	Moderate Moderate
Zone 2	New	63	Mayfield Maidenhair Tree	25-30	Small	N	Y	N	Y	N	Y	Moderate
Zone 2 Zone 2	New New	64 65	Mayfield Maidenhair Tree Mayfield Maidenhair Tree	25-30 25-30	Small Small	N N	Y Y	N N	Y Y	N N	Y Y	Moderate Moderate
Zone 2	New	66	London Plane (topiary roof form)	25-30	Small	N	Y	N	Y	N	N	Poor
Zone 2 Zone 2	New	68	London Plane (toplary roof form) London Plane (toplary roof form)	25-30	Small	N	Y Y	N	Y Y	N	N	Poor Poor
Zone 2	New	69	London Plane (topiary roof form)	25-30	Small	N	Y	N	Y	N	N	Poor
Zone 2 Zone 2	New New	70 71	London Plane (topiary roof form) London Plane (topiary roof form)	25-30	Small Small	N N	Y Y	N N	Y Y	N N	N N	Poor Poor
Zone 2	New	72	London Plane (topiary roof form)	25-30	Small	N	Y	N	Y	N	Y	Moderate
Zone 2 Zone 2	New New	73 74	London Plane (topiary roof form) London Plane (topiary roof form)	25-30	Small Small	N N	Y Y	N N	Y Y	N N	Y Y	Moderate Moderate
Zone 2	New	75	London Plane (topiary roof form)	25-30	Small	N	Y	N	Y	N	Y	Moderate
Zone 2 Zone 2	New New	76 77	London Plane (topiary root form) London Plane (topiary roof form)	25-30 25-30	Small Small	N N	Y Y	N N	Y Y	N N	Y Y	Moderate Moderate
Zone 2	New	78	Golden Birch	25-30	Small	N	Y	N	Y	N	Y	Moderate
Zone 2 Zone 2	New New	79 80	Golden Birch Golden Birch	25-30	Small Small	N N	Y Y	N N	Y Y	N N	Y Y	Moderate Moderate
Zone 2	New	81	Golden Birch	25-30	Small	N	Y	N	Y	N	Y	Moderate
Zone 2 Zone 2	New New	82 83	Judas Tree Scots Pine	40-45	Small Small	N Y	Y Y	N N	Y Y	N N	N N	Poor Moderate
Zone 2	New	84	Cut Leaved Alder Tree	25-30	Small	N	Y	N	Y	N	Y	Moderate
Zone 2	New	86	Cut Leaved Alder Tree	25-30	Small	N	r Y	N	r Y	N	Y	Moderate
Zone 2	New	87	Cut Leaved Alder Tree	25-30	Small	N	Y	N	Y	N	Y	Moderate
Zone 2 Zone 3	New	89	Stone Pine	25-30	Small	N	Y Y	N	Y Y	N	Y N	Poor
Zone 3	New	90	Stone Pine	25-30	Small	N	Y	N	Y	N	N	Poor
Zone 3	New	92	Stone Pine	≥5-30 25-30	Small	N	Y	N	Y	N	Y	Moderate
Zone 3	New	93	Stone Pine	25-30	Small	N	Y	N	Y	N	Y	Moderate
Zone 3 Zone 3	New New	94 95	Stone Pine Stone Pine	25-30	Small Small	N N	Y Y	N N	Y Y	N N	Y Y	Moderate Moderate
Zone 3	New	96	Stone Pine	25-30	Small	N	Y	N	Y	N	Y	Moderate
Zone 3 Zone 3	New New	97 98	Stone Pine Stone Pine	25-30	Small Small	N N	Y Y	N N	Y Y	N N	Y Y	Moderate Moderate
Zone 3	New	99	Stone Pine	25-30	Small	N	Y	N	Y	N	Y	Moderate
Zone 3 Zone 3	New New	100	Stone Pine Lienco Field Maple	25-30	Small Small	N N	Y Y	N N	Y Y	N N	Y Y	Moderate Moderate
Zone 3	New	102	Lienco Field Maple	25-30	Small	N	Y	N	Y	N	Y	Moderate
Zone 3 Zone 3	New New	103	Turkish Hazel Turkish Hazel	25-30	Small Small	N N	Y Y	N N	Y Y	N N	N N	Poor Poor
Zone 3	New	105	Silver Birch	40-45	Small	Y	Y	N	Y	N	Y	Moderate
Zone 3	New	106	Silver Birch	40-45	Small	r Y	r Y	N	r Y	N	N	Moderate
Zone 3	New	108	Golden Birch	25-30	Small	N	Y	N	Y	N	Y	Moderate
Zone 3	New	110	Lienco Field Maple	25-30	Small	N	r Y	N	r Y	N	Y	Moderate
Zone 3	New	111	Lienco Field Maple	25-30	Small	N	Y	N	Y	N	Y	Moderate
Zone 3	New	112	Turkish Hazel	25-30	Small	N	r Y	N	Y	N	N	Poor
Zone 3	New	114	Turkish Hazel	25-30	Small	N	Y	N	Y	N	N	Poor
Zone 3	New	115	Lienco Field Maple	25-30 25-30	Small	N	r Y	N	r Y	N	Y Y	Moderate
Zone 3	New	117	Lienco Field Maple	25-30	Small	N	Y	N	Y	N	Y	Moderate Moderate
Zone 3	New	119	Lienco Field Maple	25-30	Small	N	Y	N	Y	N	Y	Moderate
Zone 3	New	120	Lienco Field Maple	25-30	Small	N	Y V	N	Y V	N	Y	Moderate Moderate
Zone 3	New	122	Lienco Field Maple	25-30	Small	N	Y	N	Y	N	Y	Moderate
Zone 3	New	123	Lienco Field Maple	25-30	Small	N	Y V	N	Y V	N	Y	Moderate
Zone 3	New	125	Turkish Hazel	25-30	Small	N	Y	N	Y	N	N	Poor
Zone 3 Zone 3	New	126	Turkish Hazel Turkish Hazel	25-30	Small Small	N	Y Y	N	Y Y	N N	N	Poor
Zone 3	New	128	Turkish Hazel	25-30	Small	N	Y	N	Y	N	N	Poor
Zone 3 Zone 3	New New	129	Snowy Mespilus (Juneberry) Snowy Mespilus (Juneberry)	25-30 25-30	Small Small	N N	Y Y	N	Y Y	N N	Y Y	Moderate Moderate
Zone 3	New	131	Snowy Mespilus (Juneberry)	25-30	Small	N	Y	N	Y	N	Y	Moderate
Zone 3 Zone 3	New New	132 133	Snowy Mespilus (Juneberry) Snowy Mespilus (Juneberry)	25-30 25-30	Small Small	N N	Y Y	N N	Y Y	N N	Y Y	Moderate Moderate
Zone 3	New	134	Snowy Mespilus (Juneberry)	25-30	Small	N	Y	N	Y	N	Y	Moderate
∠one 3 Zone 3	New	135	Chanticleer Callery Pear Chanticleer Callery Pear	40-45 40-45	Small Small	N N	Y Y	N	Y Y	N N	Y Y	Moderate Moderate
Zone 3	New	137	Chanticleer Callery Pear	40-45	Small	N	Y	N	Y	N	Y	Moderate
Zone 3 Zone 3	New New	138 139	Chanticleer Callery Pear Chanticleer Callery Pear	40-45 40-45	Small Small	N N	Y Y	N N	Y Y	N N	Y N	Moderate Poor
Zone 3	New	140	Chanticleer Callery Pear	40-45	Small	N	Y	N	Y	N	Y	Moderate
Zone 1 Zone 1	Enhanced Enhanced	T001 T002	Cockspur Thorn Cockspur Thorn	na na	Small Small	N N	Y Y	Y N	Y Y	Y N	Y Y	Good Moderate
Zone 1	Enhanced	T003	Wild Cherry	na	Medium	Y	Y	N	Y	N	Y	Moderate
Zone 1 Zone 1	Enhanced Enhanced	T004 T005	Wild Cherry Cockspur Thorn	na na	Small Small	Y N	Y Y	N N	Y Y	Y N	Y Y	Good Moderate
Zone 1	Enhanced	T006	Cockspur Thorn	na	Small	N	Y	Y	Y	Y	Y	Good
∠one 1 Zone 1	Retained	T007	Cockspur Thorn Tree of Heaven	na na	Medium Medium	N	Y Y	Y Y	Y Y	N N	Y Y	Moderate Moderate
Zone 2	Enhanced	T075	Common Laburnum	na	Small	N	Ŷ	N	Ý	N	Y	Moderate
Zone 2 Zone 2	Enhanced Enhanced	T076 T077	Common Laburnum Common Laburnum	na na	Small Small	N N	Y Y	N N	Y Y	N N	Y Y	Moderate Moderate
Zone 2	Retained	T078	Norway Maple	na	Medium	N	Y	Y	Y	N	Y	Moderate
∠one 2 Zone 2	Enhanced Enhanced	T080	Horse Chestnut	na na	Medium Medium	N	Y Y	Y Y	Y Y	Y N	Y Y	Good Moderate
Zone 2	Enhanced	T081	Single leafed Ash	na	Medium	N	Y	Y	Y	N	Y	Moderate
Zone 2 Zone 2	Enhanced Enhanced	1082 T083	Howering Cherry Horse Chestnut	na na	Medium Medium	N N	Y Y	Y Y	Y Y	N N	Y Y	Moderate Moderate
Zone 2	Retained	T084	Horse Chestnut	na	Medium	N	Y	Y	Y	Y	N	Moderate
∠one 2 Zone 3	Retained Enhanced	T109	Horse Chestnut Single leafed Ash	na na	Medium Medium	N N	Y Y	Y	Y Y	N N	N	Poor Moderate
Zone 3	Enhanced	T118	Sorbus sp.	na	Small	N	Y	N	Y	N	Y	Moderate
∠one 3 Zone 3	Enhanced Retained	1121 T122	Sorbus sp.	na na	Small Medium	N N	Y Y	N Y	Y Y	N N	Y Y	Moderate Moderate
Zone 4	Enhanced	T138	Sweet Gum	na	Small	N	Y	N	Y	N	Y	Moderate
∠one 4 Zone 4	Enhanced	T140	Sweet Gum	na	Small	N	Y	N	Y	N	Y	Moderate
Zone 4	Enhanced	T141	Sweet Gum	na	Small	N	Y	N	Y	N	Y	Moderate
Zone 4	Enhanced	T143	Sweet Gum	na	Small	N	v	N	Y	N	Y	Moderate

Onsito /	Impact	Pof	Common Namo	Girth at	Sizo	٨	B	C	n	F	F	Target
Offsite	impact	IVEI		planting	Class	^	D	C		-		Condition
Zone 4	Enhanced	T144	Sweet Gum	na	Small	N	Y	N	Y	N	Y	Moderate
Zone 4	Enhanced	T145	Sweet Gum	na	Small	N	Y	N	Y	N	Y	Moderate
Zone 4	Enhanced	T146	Sweet Gum	na	Small	N	Y	N	Y	N	Y	Moderate
Zone 4	Enhanced	T147	Sweet Gum	na	Small	N	Y	N	Y	N	Y	Moderate
Zone 4	Enhanced	T148	Sweet Gum	na	Small	N	Y	N	Y	N	Y	Moderate
Zone 4	Enhanced	T149	Sweet Gum	na	Small	N	Y	N	Y	N	Y	Moderate
Zone 4	Enhanced	T150	Sweet Gum	na	Small	N	Y	N	Y	N	Y	Moderate
Zone 4	Enhanced	T151	Sweet Gum	na	Small	N	Y	N	Y	N	Y	Moderate
Zone 4	Enhanced	T152	Sweet Gum	na	Small	N	Y	N	Y	N	Y	Moderate
Zone 4	Enhanced	T153	Sweet Gum	na	Small	N	Y	N	Y	N	Y	Moderate
Offsite	Transplant	T45	Whitebeam	na	Medium	Y	Y	N	Y	N	Y	Moderate
Offsite	Transplant	T119	Japanese Maple	na	Small	N	Y	N	Y	N	Y	Moderate
Offsite	Transplant	T120	Japanese Maple	na	Small	N	Y	N	Y	N	Y	Moderate
Offsite	Transplant	T125	Silver Maple	na	Medium	N	Y	N	Y	Y	Y	Moderate
Offsite	New	n/a	Unknown - minimum 525 newly	<20	Small	Y/N	Y	N	Y	N	Y	Moderate
			planted trees required to achieve									
			target 20% net gains with Trading									
			Rules satisfied									



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CORNWALL

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