Ardagh Metal Packaging

Planting Specification P/2026/0074

TACP Architects

61710
October 2026



Ardagh Metal Packaging
Planting Specification P/2026/0074

TACP Architects

October 2026

TACP (UK) Ltd
4th Floor James William House
9 Museum Place
CARDIFF
CF10 3BD

Project Number: **61710**

Version: **P1**

Status: S3

Version	Status	Completed by	Checked by	Approved by	Date of version
P1	S3	CR	LC	LC	22-10-26

This report will be deemed to be accepted by the client as final if no comments are received within two weeks of issue.

S0 – Work in progress	**S1** – For coordination	**S2** – For information
S3 – For review and comment	**S4** – For approval	**FI** – Final

CONTENTS

1 Introduction 1
1.1 Background 1
1.2 Site and Proposal 1
1.3 Purpose and Scope of the Planting Specification 2
2 Planting Strategy 2
2.1 Compensatory Planting Requirement 2
2.2 Site Constraints and Planting Approach 2
2.3 Planting Inventory 3
3 Planting Specification 3
3.1 Tree Stock and Quality 3
3.2 Shrub Stock and Quality 4
3.3 Tree Planting Methodology 4
3.4 Shrub Planting Methodology 5
3.5 Staking, Ties and Protection 6
3.6 Mulching and Vegetation Control 6
3.7 Watering and Establishment 7
3.8 Replacement of Failures 7
3.9 Grass Reinstatement 8
3.10 Maintenance and Aftercare 8
4 Summary 9
5 References 10

List of Abbreviations

Abbreviation	Full Description
BS	British Standard
sqm	Square Metre

1 INTRODUCTION

1.1 Background

TACP has been commissioned by TACP Architects to prepare a planting specification in support of planning application P/2026/0074, relating to the installation of four above-ground lacquer storage tanks within the front portion of the Ardagh Metal Packaging site at Bridge Road, Wrexham, LL13 9PS.

The proposed tanks are to be located within an existing grassed area and will be constructed on a new concrete bund slab. The planting scheme associated with this application is intended to provide appropriate landscape mitigation and compensatory planting within the immediate tanks area, while taking account of the operational requirements of the site and the physical constraints presented by existing and proposed below-ground infrastructure.

Fourteen trees were previously removed in error by a contractor adjacent to the proposed tank works. These comprised 11 Wild Cherry (Prunus avium), two Turkey Oak (Quercus cerris) and one Scots Pine (Pinus sylvestris). This tree loss is separate from the wider woodland removals associated with planning application P/2026/0446 and is therefore addressed independently within this planting specification.

Replacement planting is proposed on a 1:1 basis. However, the available planting area is constrained by existing and proposed drainage infrastructure, as well as the footprint of the proposed tank installation. It is therefore not considered practicable to accommodate all replacement planting as individual trees within the immediate area.

As the larger landscaped area at the front of the site is proposed to accommodate planting required under Application P/2026/0446, the planting strategy associated with the storage tanks utilises the area immediately adjacent to the tanks for the provision of five replacement trees in suitable locations. This is supplemented by 230 shrubs within areas where additional tree planting is constrained by existing and proposed below-ground infrastructure.

This document has been prepared to set out the proposed planting inventory, planting methodology, establishment requirements and maintenance provisions associated with the tanks-area planting scheme. It should be read alongside the accompanying planting layout and relevant planning and technical information for application P/2026/0074.

1.2 Site and Proposal

The Ardagh Metal Packaging site is an established industrial manufacturing facility located on Bridge Road, Wrexham. The proposed tank works are situated toward the front of the site within an area currently containing a managed grass verge.

Planning application P/2026/0074 relates soley to the installation of four above-ground lacquer storage tanks together with the associated concrete bund slab and supporting infrastructure.

The planting scheme seeks to provide an appropriate balance between compensatory tree planting and lower-growing shrub planting, while maintaining sufficient separation from underground infrastructure and ensuring that the proposed planting remains compatible with the operational use of the site.

The detailed planting locations, species and quantities are identified within the accompanying planting layout (61710_DWG_LP_001)and plant schedules.

The proposed planting scheme has been developed having regard to the green infrastructure and compensatory planting principles set out within Planning Policy Wales: Edition 12, while inevitably responding to the physical constraints of the site, limited opportunities for additional tree planting and pre-agreed replacement ratios with the local planning authority.

1.3 Purpose and Scope of the Planting Specification

This Planting Specification has been prepared in response to the previous removal in error of 14 trees adjacent to the proposed tank area. The planting specification will define the planting requirements and provide a clear basis for the implementation and establishment of the proposed landscape mitigation.

The document sets out the proposed tree and shrub planting, including species, quantities, stock sizes, planting methods, protection, watering, maintenance and replacement requirements. It also identifies the principal site constraints that must be considered during implementation, including existing and proposed drainage and utility infrastructure.

The specification is intended to ensure that planting is undertaken consistently and in accordance with good arboricultural and landscape practice, while remaining compatible with the operational requirements of the site and the need to maintain suitable access to below-ground services.

Where the exact position of utilities or drainage differs from that shown on the available plans, planting positions may be adjusted locally to avoid conflict, provided that the overall planting intent, species mix and required quantities are maintained.

2 PLANTING STRATEGY

2.1 Compensatory Planting Requirement

Compensatory planting was agreed across the site on a 1:1 basis with the local tree officer. However, due to the constrained nature of this specific area not all replacement planting can be accommodated as individual trees within the immediate vicinity. The available space is limited by the proposed tank installation, associated hardstanding and existing and proposed below-ground drainage and utilities.

The proposed mitigation will therefore comprise of five replacement trees, supplemented by an area of shrub planting (351sqm) to provide additional landscape mitigation within the location where further tree planting would be impracticable.

The detailed species, quantities and stock sizes will be set out within the planting inventory, with the precise planting positions shown on the accompanying planting layout. The shrub planting should be regarded as part of the overall landscape mitigation strategy rather than a direct numerical substitute for individual replacement trees.

2.2 Site Constraints and Planting Approach

The proposed planting area is subject to a number of physical constraints, principally associated with the proposed tank installation, existing and proposed drainage infrastructure, underground utilities and the limited extent of available soft landscape.

These constraints restrict the locations in which replacement trees can be planted without creating future conflicts with below-ground infrastructure. The planting strategy therefore

combines a limited number of replacement trees in suitable positions with shrub planting within the remaining available landscape area set to appease the 14 trees lost .

Tree and shrub planting shall be positioned to avoid direct conflict with known services and to maintain suitable access for future inspection, maintenance and repair. Where required, a service easement / indemnity strip shall be retained free from planting directly above underground utilities or drainage infrastructure.

The final planting arrangement is shown on the accompanying planting layout.

2.3 Planting Inventory

The proposed planting inventory is set out below. Planting locations are shown on the accompanying planting layout:

Table 1: Tree Schedule

Species /Trees	Botanical Name	Quantity	Proposed stock
Wild Cherry	Prunus avium	2	8-10cm girth Standard, root-balled
Silver Birch	Betula pendula	2	8-10cm girth Standard, root-balled
Scot's Pine	Pinus sylvestris	1	175-200cm overall height , root-balled
	TOTAL	**5**	

Table 2: Planting Schedule

Species/Shrubs	Botanical Name	Quantity	Proposed Stock
Heather	Calluna vulgaris	57	CG 1l pot, bushy
Bell Heather	Erica cinerea	57	CG 1l pot, bushy
Cross-leaved Heath	Erica tetralix	57	CG 1l pot, bushy
Dwarf Gorse	Ulex minor	46	10-15cm CG 9cm pot
Hairy Greenweed 'Vancouver Gold'	Genista pilosa 'Vancouver Gold'	13	25 – 30cm CG 2L pot
	TOTAL	**230**	

3 PLANTING SPECIFICATION

3.1 Tree Stock and Quality

The proposed tree planting will consist of five Standard (typically 8-10 cm girth, with an overall height of approximately 2.5-3.0 m and a clear stem of 1.75-2.0 m), root-balled trees, consisting of two Wild Cherry (Prunus avium), two Silver Birch (Betula pendula) and one Scots Pine (Pinus sylvestris), as identified within the planting inventory.

All tree stock shall be of good nursery quality, true to species and of a form appropriate to the stated stock size. Trees should be healthy, well balanced and free from significant defects, damage, pests and disease. Stems should be sufficiently straight and structurally sound, with a well-developed crown appropriate to the species and age of the tree.

Root-balled stock shall have a firm, intact root ball of sufficient size to support establishment following planting. Root systems should be fibrous and well developed, with no evidence of severe circling, girdling or root damage.

Trees shall be handled and transported carefully to avoid damage to stems, branches and root balls, and should be planted as soon as reasonably practicable following delivery to site. Where immediate planting is not possible, stock shall be stored temporarily in suitable conditions and protected from drying, frost and physical damage.

All tree and shrub stock shall be of suitable nursery quality and should comply with the requirements of BS 3936-1:1992 and BS (2026) BS 8545:2014+A1 where applicable.

3.2 Shrub Stock and Quality

The proposed shrub planting will be made up of 230 plants established at an average density of one plant per 1.25sqm in the 351sqm area. This will consist of Heather (Calluna vulgaris), Bell Heather (Erica cinerea), Cross-leaved Heath (Erica tetralix), Dwarf gorse (Ulex minor) and Hairy Greenweed 'Vancouver Gold' (Genista pilosa 'Vancouver Gold') as identified within the planting inventory.

All shrub stock shall be healthy, well established and true to species, with a form and size appropriate to the stated nursery stock. Plants should be free from significant damage, pests and disease and should have a well-developed root system capable of supporting successful establishment following planting.

Container-grown or otherwise appropriately supplied shrub stock shall be firm within the growing medium and free from severe root binding, desiccation or physical damage. Plants should be handled carefully during transport and installation to avoid damage to roots, stems and foliage.

Shrub stock shall be planted as soon as reasonably practicable following delivery to site. Where immediate planting is not possible, plants shall be temporarily stored in suitable conditions and protected from drying, frost and other adverse conditions.

All supplied shrubs shall correspond with the species and quantities stated within the approved planting inventory and conform to BS 3936-1:1992 where applicable.

3.3 Tree Planting Methodology

The five Standard root-balled trees shall be planted in accordance with the approved planting layout and recognised good arboricultural practice, with particular regard to BS 8545:2014+A1:2026.

Planting should preferably be undertaken during the normal dormant planting season and when ground conditions are suitable. Trees should not be planted into frozen, waterlogged or excessively compacted ground.

Tree pits shall be no deeper than the depth of the root ball and shall generally be excavated to approximately 1.5 times the width of the root ball or greater where surrounding soil conditions permit. The objective shall be to provide adequate loosened soil for lateral root development while avoiding unnecessarily deep excavation. The sides and base of the planting pit shall be loosened where glazing, smearing or compaction is present. Table 3 indicates minimum tree pits and planting pit dimensions.

Table 3: Planting pits, beds and trenches

Type	Dimension of excavation WxWxD (min)	Depth of cultivation at the base of pits or trenches (min)
Selected Standard trees, **Tall Standard trees** **Standard Trees**	1000 x 1000 x 600mm	200mm
Whips **Transplants** **Shrubs** *(where pit planting is specified)*	300 x 300 x 300mm	150mm
Cell Grown	150mm greater than W and D of root plug	-

Trees shall be positioned so that the root flare and uppermost structural roots are approximately level with the surrounding finished ground. Trees shall not be planted excessively deep and shall be handled by the root ball rather than lifted or dragged by the stem. For staking requirements see Section 3.5

Following positioning, any tying material around the stem or root collar shall be removed. Hessian and wire basket material shall be loosened and folded back, or removed from the upper part of the root ball where this can be undertaken without destabilising the root ball. No constricting material shall remain around the stem or root flare.

For pits for Standard trees and larger trees, any excavated topsoil should be set aside to be used as backfill. Any topsoils imported to make up for shortfall caused by removal of subsoil or unsuitable soils should be approved prior to use. Any imported soils shall comply with BS 3883: 2015 Specification for Topsoil. Imported subsoils should comply with BS 8601:2013 Specification for Subsoil and Requirements for Use. Backfill shall be placed progressively around the root ball and gently consolidated to remove substantial air pockets without excessive compaction. Highly enriched backfill should not routinely be used unless specifically justified by soil conditions.

Following planting, each tree shall be thoroughly watered to settle the surrounding soil and provide good contact between the root ball and backfill. The finished soil profile shall permit effective infiltration without creating a depression liable to prolonged waterlogging.

Each tree shall also receive an appropriate organic mulch layer following planting to conserve soil moisture and suppress competing vegetation. Mulch shall be kept clear of direct contact with the stem and root collar. Detailed mulch requirements are provided in Section 3.6.

3.4 Shrub Planting Methodology

Shrub planting shall be undertaken in accordance with the approved planting layout and the planting inventory set out within this specification. Low-growing native shrubs shall be planted in informal, irregular species groups at an average density of one plant per 1.25sqm. Planting shall be located adjacent to, but not directly over, existing drainage infrastructure.

Planting positions have been set out with reference to the latest available drainage and utility information. A suitable service easement / indemnity strip shall be maintained free from planting directly over identified underground infrastructure where required, and planting shall be locally adjusted where necessary to maintain access for future inspection, maintenance or repair.

Individual planting holes shall be of sufficient size to accommodate the root system or container root ball without bending, constriction or excessive disturbance. Plants shall be installed at approximately the same depth at which they were previously growing, with the root collar finishing at surrounding ground level.

Where container-grown stock is used, plants shall be carefully removed from containers immediately prior to planting. Any tightly circling or congested roots should be gently teased out where practicable to encourage outward root development.

Suitable excavated soil should normally be reused as backfill and gently firmed around the root system without excessive compaction. Following planting, shrubs shall be thoroughly watered to settle the surrounding soil and support initial establishment.

Planting shall not be undertaken into frozen, waterlogged or otherwise unsuitable ground. Any minor adjustment to planting positions required to avoid verified utilities or drainage infrastructure shall retain the approved planting density, species mix and overall landscape intent.

3.5 Staking, Ties and Protection

The five Standard root-balled trees shall be appropriately supported during the establishment period where required to maintain stability while allowing a degree of natural stem movement.

The staking arrangement shall reflect the size of the tree, root-ball dimensions and exposure of the planting position. Low staking should generally be preferred where adequate stability can be achieved, and stakes shall be positioned so that they do not penetrate or damage the root ball.

Suitable flexible arboricultural ties shall be used and fitted so that stems are not subject to rubbing, abrasion or constriction. Stakes and ties shall be inspected during the establishment period and adjusted, loosened or replaced where necessary.

Artificial support shall be removed once the tree has developed sufficient root anchorage and is capable of remaining stable without assistance.

Tree guards or other protective measures shall be provided where there is a foreseeable risk of damage from mowing, maintenance operations, vehicles, browsing or other mechanical impact. Any guards installed shall be regularly checked to ensure that they do not restrict stem development or cause damage.

Shrub planting will not normally require staking, although temporary protection may be installed where there is a specific risk of accidental damage during establishment.

3.6 Mulching and Vegetation Control

The five Standard trees shall be provided with a suitable organic mulch layer immediately following planting to help conserve soil moisture, moderate soil temperature and suppress competing vegetation during establishment.

Chipped conifer bark, size range 25-75 mm, maximum 15% fines, composted for aminimum of six weeks prior to delivery; shall be applied at minimum 75mm depth, evenly over a 1 m diameter circle around each tree and maintained as a surface layer. It shall not be piled against the stem or root collar, and a clear margin shall be maintained around the base of the tree to avoid prolonged moisture contact with the bark. The mulch surface shall be left even, tidy, and sloping down at bed edges.

The mulch layer shall be inspected periodically and replenished where necessary to maintain effective coverage during the establishment period.

Within the shrub planting areas, competing vegetation shall be controlled where it is likely to affect establishment. Weed control should be localised and undertaken in a manner that avoids damage to shrub stems, roots and surrounding planting.

Herbicide use should be avoided where practicable. Where chemical weed control is considered necessary, it shall be applied only by a suitably competent operative and in accordance with the product label and relevant legislation.

3.7 Watering and Establishment

All new tree and shrub planting shall be subject to appropriate establishment watering following installation and during periods when natural rainfall is insufficient.

The five Standard root-balled trees shall be thoroughly watered immediately after planting and monitored closely during the first growing seasons, when the risk of drought stress is greatest. Supplementary watering shall be provided as required, particularly during prolonged dry or warm weather.

Shrub planting shall also be watered following installation and during dry periods until satisfactory establishment has been achieved. Watering frequency should respond to prevailing weather, soil moisture and plant condition rather than being applied to a fixed calendar schedule.

Soil moisture shall be checked where practicable to avoid both drought stress and prolonged waterlogging, this can be done with the use of a Tensiometer, portable soil moisture probe/meter or other available resources. Irrigation shall continue for a minimum of three growing seasons following planting and for longer where necessary to achieve satisfactory establishment.

Inspections during the establishment period should consider foliage condition, shoot extension, soil moisture, stability, mulch condition, weed competition and any evidence of physical damage, pests or disease.

Watering shall be sufficient to wet the rooting zone effectively without causing prolonged saturation or waterlogging. Where signs of stress or poor establishment are identified, appropriate remedial action shall be undertaken promptly.

3.8 Replacement of Failures

All proposed tree and shrub planting shall be monitored during the establishment period to identify any plants that have died, failed to establish satisfactorily or have been lost through damage.

Any failed tree shall be replaced during the next appropriate planting season with a like-for-like specimen of the same species and equivalent stock specification, unless an alternative has been agreed with the Local Planning Authority.

Failed shrubs shall similarly be replaced with the same species, or an agreed equivalent where necessary, so that the approved planting density, species mix and overall landscape intent are maintained.

Replacement planting shall be subject to the same planting, watering, mulching, protection and establishment requirements as the original planting. Replacement of failed specimens

shall continue as necessary throughout the agreed establishment period to ensure that the approved compensatory planting scheme is successfully maintained.

3.9 Grass Reinstatement

Areas for reinstatement seeding are indicated on the landscape General Arrangement drawing 61710_DWG_LP_001. Ths area is indicative and its extent is dependant on the area disturbed as a result of installation of the concrete pad and tanks. Generally all areas disturbed during construction shall be reinstated to a condition to match that recorded pre construction.

Grass seed shall be sown during the period 1 March to 31 May or 1 September to 31 October, although seeding may be undertaken outside this timeframe according to local conditions that may result in remedial seeding occuring in the following season.

Grass seed shall comply with the following mix or similar and approved and with BS 4428:1989 "Code of practice for general landscape operations (excluding hard surfaces)".

Given the relatively small areas likely for reinstatement seed shall be applied using conventional sowing methods at the recommended sowing rate. Sowing should be immediately followed by lightly raking the surface of the soil by hand to cover seed. Given potential for seeding to be undertaken outside the recommended season for sowing seeding should be repeated as necessary until an evenly distributed and dense sward is established over the reinstated area.

GRASS SEED	A19 All Purpose Landscaping	
20%	CORAIL - Strong Creeping Red Fescue	Festuca rubra rubra
10%	ZURICH - Creeping Perennial Ryegrass	Lolium perenne
25%	CHARLOTTE - Slender Creeping Red Fescue	Festuca rubra litoralis
40%	ABERWIN - Perennial Ryegrass	Lolium perenne
5%	HIGHLAND - Browntop Bent Grass	Agrostis castellana

3.10 Maintenance and Aftercare

All proposed tree and shrub planting shall be subject to a structured maintenance programme to support successful establishment and long-term retention.

Maintenance shall include, as required, watering, weed control, inspection and adjustment of stakes and ties, maintenance of mulch, replacement or repair of protective measures, removal of litter or debris affecting planting areas, and replacement of failed plants.

The five Standard trees shall be inspected regularly during the establishment period to assess stability, vigour, soil moisture, crown condition and the condition of stakes, ties and mulch. Stakes and ties shall be adjusted where necessary and removed once adequate root anchorage has developed. Mulch shall be replenished where depleted and kept clear of direct contact with the stem and root collar.

Shrub planting shall be maintained to reduce excessive competition from weeds and other vegetation, while preserving the intended planting density and species mix. Any dead, damaged or poorly performing plants shall be identified and replaced in accordance with Section 3.8.

Service easements / indemnity strips associated with underground utilities and drainage shall remain accessible throughout the maintenance period and shall not be obstructed by replacement planting or unmanaged vegetation.

Maintenance requirements should be reviewed periodically and adjusted in response to plant condition, prevailing weather and site conditions. Establishment maintenance shall continue for a minimum of three growing seasons and for longer where required to achieve satisfactory establishment.

4 SUMMARY

This Planting Specification has been prepared to set out the compensatory planting and establishment requirements associated with planning application P/2026/0074.

The proposed scheme comprises five Standard root-balled trees together with 230 shrubs, planted in accordance with the approved planting layout and the species and quantities identified within the planting inventory.

The planting strategy has been developed in response to the constraints present within the tank area, including the proposed tank installation, drainage infrastructure and underground utilities. Tree and shrub planting shall therefore be set out to avoid conflicts with below-ground services, with appropriate service easement / indemnity strips maintained where required.

All planting shall be undertaken in accordance with the methodologies set out within this specification and shall be subject to appropriate watering, mulching, protection, vegetation control and maintenance during the establishment period.

Any tree or shrub that dies, fails to establish satisfactorily or is otherwise lost shall be replaced in accordance with Section 3.8 so that the approved planting quantities, species mix and overall landscape intent are maintained.

The accompanying planting layout should be read alongside this specification and shall guide the final positioning of the proposed planting on site.

5 REFERENCES

Arboricultural Association (2022) An Introductory Guide to Young Tree Establishment. Stonehouse: Arboricultural Association.

British Standards Institution (2015) BS 3882:2015 Code of Practice for General Landscape Operations (excluding Hard Surfaces). London BSI

British Standards Institution (1992) BS 3936-1:1992 Nursery stock – Specification for trees and shrubs. London: BSI.

British Standards Institution (1989) BS 4428:1989 Specification for Topsoil. London BSI

British Standards Institution (2012) BS 5837:2012 Trees in relation to Design, Demolition and Construction – Reccommendations. London BSI

British Standards Institution (2026) BS 8545:2014+A1:2026 Trees from nursery to independence in the landscape – Code of practice. London: BSI.

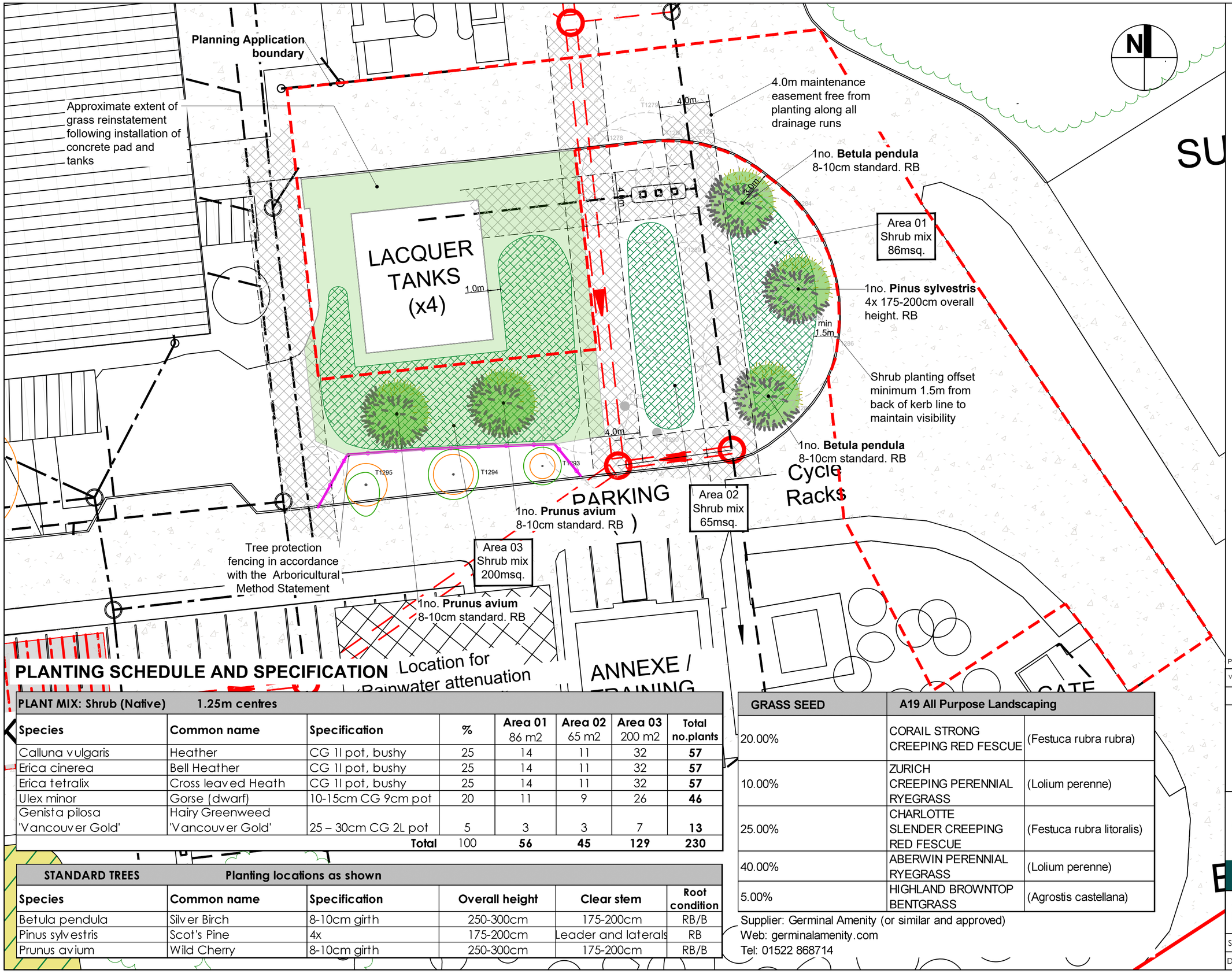
British Standards Institution (2013) BS 8601:2013 Specification for Subsoil and Requirements for Use

Welsh Government (2024) Planning Policy Wales: Edition 12. Cardiff: Welsh Government.

APPENDICES

Appendix A

Landscape General Arrangement



NOTES:
1. DO NOT SCALE ANY ITEMS OR INFORMATION FROM THIS DRAWING.

- SHRUB PLANTING (As scheduled)
- REINSTATEMENT GRASS SEEDING: Germinal Amenity A19 All purpose Landscaping or similar and approved. Sowing rate: 50g/m2
- STANDARD TREE PLANTING (As scheduled)
- DRAINAGE EASEMENT (Indicative)
- PLANNING APPLICATION BOUNDARY P/2026/0074

PLANTING SCHEDULE AND SPECIFICATION

PLANT MIX: Shrub (Native) 1.25m centres							
Species	**Common name**	**Specification**	**%**	**Area 01** 86 m2	**Area 02** 65 m2	**Area 03** 200 m2	**Total no.plants**
Calluna vulgaris	Heather	CG 1l pot, bushy	25	14	11	32	**57**
Erica cinerea	Bell Heather	CG 1l pot, bushy	25	14	11	32	**57**
Erica tetralix	Cross leaved Heath	CG 1l pot, bushy	25	14	11	32	**57**
Ulex minor	Gorse (dwarf)	10-15cm CG 9cm pot	20	11	9	26	**46**
Genista pilosa 'Vancouver Gold'	Hairy Greenweed 'Vancouver Gold'	25 – 30cm CG 2L pot	5	3	3	7	**13**
		Total	100	**56**	**45**	**129**	**230**

STANDARD TREES Planting locations as shown					
Species	**Common name**	**Specification**	**Overall height**	**Clear stem**	**Root condition**
Betula pendula	Silver Birch	8-10cm girth	250-300cm	175-200cm	RB/B
Pinus sylvestris	Scot's Pine	4x	175-200cm	Leader and laterals	RB
Prunus avium	Wild Cherry	8-10cm girth	250-300cm	175-200cm	RB/B

GRASS SEED	A19 All Purpose Landscaping	
20.00%	CORAIL STRONG CREEPING RED FESCUE	(Festuca rubra rubra)
10.00%	ZURICH CREEPING PERENNIAL RYEGRASS	(Lolium perenne)
25.00%	CHARLOTTE SLENDER CREEPING RED FESCUE	(Festuca rubra litoralis)
40.00%	ABERWIN PERENNIAL RYEGRASS	(Lolium perenne)
5.00%	HIGHLAND BROWNTOP BENTGRASS	(Agrostis castellana)

Supplier: Germinal Amenity (or similar and approved)
Web: germinalamenity.com
Tel: 01522 868714

Vers.	Suit.	Date	Description	Drawn	Chk.
P01	S3	21-10-26	First Issue	LC	JW

S3: FOR REVIEW AND COMMENT

ARDAGH METAL PACKAGING BUILDING EXTENSION

TACP
4th Floor, James William House, 9 Museum Pl, Cardiff CF10 3BD

Ardagh Wrexham Tanks
Hard and Soft Landscaping Plan

Scale @ A1: 1:200

Dwg No: 61710_DWG_LP_001 Rev P01

Appendix B

Planting and Management Schedules

Table 4: Tree Specification

STANDARD TREES	Planting locations as shown on drawing 60170_DWG_LP_001					
Species	**Common name**	**Specification**	**Overall height**	**Clear stem**	**Root condition**	**No.**
Betula pendula	Silver Birch	8-10cm girth	250-300cm	175-200cm	RB/B	2
Pinus sylvestris	Scot's Pine	4x	175-200cm	Leader and laterals	RB	1
Prunus avium	Wild Cherry	8-10cm girth	250-300cm	175-200cm	RB/B	2

Table 5: Planting Specification

PLANT MIX: Shrub (Native)	Planting locations as shown on drawing 60170_DWG_LP_0011.25m centres						
Species	**Common name**	**Specification**	**%**	**Area 01** 86 m2	**Area 02** 65 m2	**Area 03** 200 m2	**Total no.plants**
Calluna vulgaris	Heather	CG 1l pot, bushy	25	14	11	32	**57**
Erica cinerea	Bell Heather	CG 1l pot, bushy	25	14	11	32	**57**
Erica tetralix	Cross leaved Heath	CG 1l pot, bushy	25	14	11	32	**57**
Ulex minor	Gorse (dwarf)	10-15cm CG 9cm pot	20	11	9	26	**46**
Genista pilosa 'Vancouver Gold'	Hairy Greenweed 'Vancouver Gold'	25cm – 30cm CG 2L pot	5	3	3	7	**13**
		Total	100	**56**	**45**	**129**	**230**

Year / Timing	Management Operation	Area / Quantity	Specification / Method	Inspection / Success Criteria	Operational Requirements
At planting – dormant planting season	Tree planting	5 Standard root-balled trees	Plant in accordance with Section 3.3 and the approved planting layout. Pits shall be no deeper than the root ball and generally approximately 1.5 times its width or greater where conditions permit. Root flare to finish at surrounding ground level.	All five trees planted at the correct depth, stable, thoroughly watered and free from significant planting defects.	Re-Confirm drainage and utility locations before excavation.
At planting – dormant planting season	Shrub planting	230shrubs at an average density of 1 plant per 1.25sqm	Plant in accordance with Section 3.4. Species shall be informally mixed and planted at approximately their original nursery depth.	Correct species and quantities installed; plants firm, healthy and appropriately spaced.	Maintain required service easement / indemnity strips and avoid planting directly over identified infrastructure where required.
Immediately following tree planting	Mulching	5 Standard trees	Apply a suitable organic mulch over an appropriate area around each tree. Keep mulch clear of the stem and root collar.	Continuous mulch layer providing moisture conservation and weed suppression without contact with stems.	Avoid excessive mulch depth or accumulation against the root collar.
Immediately following tree planting	Stakes, ties and protection	5 Standard trees	Install appropriate low staking and flexible arboricultural ties where required for stability. Install guards or protection where foreseeable damage may occur.	Trees stable without excessive restriction; stakes, ties and guards correctly installed.	Stakes shall not penetrate or damage root balls.
Immediately following planting	Initial watering	All trees and shrubs	Thoroughly water all planting to settle soil around root systems and support initial establishment.	Rooting zones adequately wetted with no prolonged waterlogging.	Water according to soil and prevailing weather conditions.

Year / Timing	Management Operation	Area / Quantity	Specification / Method	Inspection / Success Criteria	Operational Requirements
Year 1 – growing season	Establishment watering	All planting	Monitor soil moisture and provide supplementary watering where rainfall is insufficient, particularly during prolonged dry or warm periods.	Healthy foliage, shoot extension and no significant drought-related decline.	Avoid both drought stress and prolonged saturation.
Year 1 – growing season	Vegetation control	Trees and shrub planting areas	Control competing vegetation locally around new planting. Maintain mulch around trees and undertake targeted weed control around shrubs where required.	New planting remains free from severe competition.	Avoid damage to stems, roots and surrounding planting.
Year 1 – annual inspection	Establishment inspection	All planting	Assess survival, vigour, stability, soil moisture, stakes, ties, guards, mulch, weed competition and evidence of pests, disease or physical damage.	Any failures or remedial works identified and recorded.	Check service easements remain accessible and unobstructed.
Year 1/2 – next suitable planting season	Replacement planting	Any failed planting	Replace dead, missing or unsuccessfully established trees and shrubs in accordance with Section 3.8.	Approved species, quantities and planting density restored.	Tree failures shall be replaced with equivalent stock specification unless otherwise agreed.
Year 2 – growing season	Watering and vegetation management	All planting	Continue supplementary watering where required and maintain appropriate weed control. Replenish tree mulch where depleted.	Planting demonstrates satisfactory growth and vigour.	Watering shall respond to soil moisture and prevailing weather rather than fixed intervals.

Year / Timing	Management Operation	Area / Quantity	Specification / Method	Inspection / Success Criteria	Operational Requirements
Year 2 – annual inspection	Stakes, ties, guards and mulch inspection	5 trees and applicable planting	Adjust or loosen ties, replace damaged protection and replenish mulch where necessary. Remove support only where adequate root anchorage has developed.	No stem constriction, rubbing or avoidable mechanical damage.	Mulch shall remain clear of stems and root collars.
Year 2 – annual inspection	Planting establishment review	All planting	Review survival, condition, growth and ongoing maintenance requirements.	Planting progressing satisfactorily and approved quantities maintained.	Identify any further replacements required.
Year 3 – growing season	Establishment watering	All planting as required	Continue irrigation through at least the third growing season and for longer where necessary to achieve satisfactory establishment.	Trees and shrubs display satisfactory vigour without significant moisture stress.	Continue soil-moisture checks where practicable.
Year 3 – annual review	Establishment assessment	All planting	Assess survival, growth, form, vigour, mulch condition, vegetation competition and continued need for support or protection.	The majority of planting is becoming established and maintenance requirements are reducing.	Maintain access to utilities and drainage infrastructure.
Year 3 – dormant planting season	Replacement of failures	Any failed planting	Replace remaining failures with like-for-like stock or an agreed equivalent.	Required tree numbers, shrub density and species mix maintained.	Replacement planting shall be subject to the same establishment requirements as the original planting.
Year 3 – inspection	Stakes and ties	5 Standard trees	Remove stakes and ties where adequate root anchorage has developed; retain or adjust only where continued support is necessary.	Trees self-supporting where appropriate, with no unnecessary artificial support retained.	Remove redundant materials from site.

Year / Timing	Management Operation	Area / Quantity	Specification / Method	Inspection / Success Criteria	Operational Requirements
Year 4 – annual inspection	General maintenance review	All planting	Inspect condition and undertake targeted watering, vegetation control, mulch maintenance or protection only where necessary.	Planting remains healthy and established, with progressively reduced intervention.	Avoid unnecessary routine maintenance where planting is satisfactorily established.
Year 4 – dormant planting season	Replacement of failures	As required	Replace any remaining failed compensatory planting.	Approved planting obligations maintained.	Use like-for-like species and equivalent tree stock unless otherwise agreed.
Year 5 – formal planting audit	Compensatory planting review	5 trees + 250 shrubs	Verify survival, condition and establishment against the approved planting inventory and layout.	Required tree numbers and shrub planting density demonstrated to be satisfactorily established.	Record any outstanding remedial requirements.
Year 5 – annual maintenance review	Final establishment inspection	All planting	Review tree stability, shrub establishment, mulch, remaining supports or protection, vegetation competition and general condition.	Planting established sufficiently to transition into routine landscape maintenance.	Remove redundant stakes, ties and guards where no longer required.