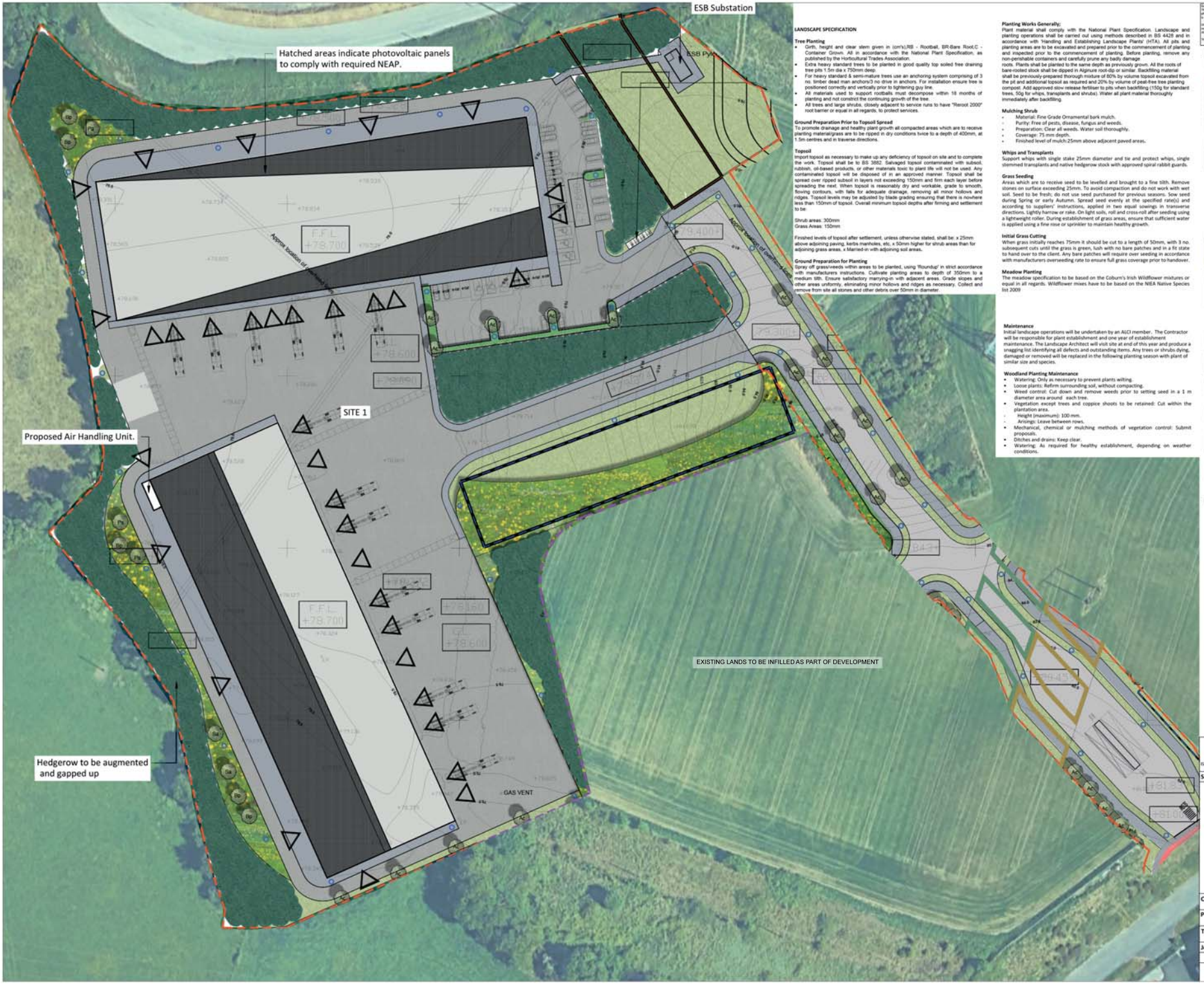

LANDSCAPE SPECIFICATION

Tree Planting

- Girth, height and clear stem given in (cm's),RB - Rootball, BR-Bare Root,C - Container Grown. All in accordance with the National Plant Specification, as published by the Horticultural Trades Association.
- Extra heavy standard trees to be planted in good quality top soiled free draining tree pits 1.5m dia x 750mm deep.
- For heavy standard & semi-mature trees use an anchoring system comprising of 3 no. timber dead man anchors/3 no drive in anchors. For installation ensure tree is positioned correctly and vertically prior to tightening guy line.
- All materials used to support rootballs must decompose within 18 months of planting and not constrict the continuing growth of the tree.
- All trees and large shrubs, closely adjacent to service runs to have "Reroot 2000" root barrier or equal in all regards, to protect services.

Ground Preparation Prior to Topsoil Spread

To promote drainage and healthy plant growth all compacted areas which are to receive planting material/grass are to be ripped in dry conditions twice to a depth of 400mm, at 1.5m centres and in traverse directions.

Topsoil

Import topsoil as necessary to make up any deficiency of topsoil on site and to complete the work. Topsoil shall be to BS 3882. Salvaged topsoil contaminated with subsoil, rubbish, oil-based products, or other materials toxic to plant life will not be used. Any contaminated topsoil will be disposed of in an approved manner. Topsoil shall be spread over ripped subsoil in layers not exceeding 150mm and firm each layer before spreading the next. When topsoil is reasonably dry and workable, grade to smooth, flowing contours, with falls for adequate drainage, removing all minor hollows and ridges. Topsoil levels may be adjusted by blade grading ensuring that there is nowhere less than 150mm of topsoil. Overall minimum topsoil depths after firming and settlement to be:

Shrub areas: 300mm
Grass Areas: 150mm

Finished levels of topsoil after settlement, unless otherwise stated, shall be: x 25mm above adjoining paving, kerbs manholes, etc, x 50mm higher for shrub areas than for adjoining grass areas, x Married-in with adjoining soil areas.

Ground Preparation for Planting

Spray off grass/weeds within areas to be planted, using 'Roundup' in strict accordance with manufacturers instructions. Cultivate planting areas to depth of 350mm to a medium tilth. Ensure satisfactory marrying-in with adjacent areas. Grade slopes and other areas uniformly, eliminating minor hollows and ridges as necessary. Collect and remove from site all stones and other debris over 50mm in diameter.

Planting Works Generally:

Plant material shall comply with the National Plant Specification. Landscape and planting operations shall be carried out using methods described in BS 4428 and in accordance with 'Handling and Establishing Landscape Plants' (HTA). All pits and planting areas are to be excavated and prepared prior to the commencement of planting and inspected prior to the commencement of planting. Before planting, remove any non-perishable containers and carefully prune any badly damage roots. Plants shall be planted to the same depth as previously grown. All the roots of bare-rooted stock shall be dipped in Aignure root-dip or similar. Backfilling material shall be previously-prepared thorough mixture of 60% by volume topsoil excavated from the pit and additional topsoil as required and 20% by volume of peat-free tree planting compost. Add approved slow release fertiliser to pits when backfilling (150g for standard trees, 50g for whips, transplants and shrubs). Water all plant material thoroughly immediately after backfilling.

Mulching Shrub

- Material: Fine Grade Ornamental bark mulch.
- Purity: Free of pests, disease, fungus and weeds.
- Preparation: Clear all weeds. Water soil thoroughly.
- Coverage: 75 mm depth.
- Finished level of mulch:25mm above adjacent paved areas.

Whips and Transplants

Support whips with single stake 25mm diameter and tie and protect whips, single stemmed transplants and native hedgerow stock with approved spiral rabbit guards.

Grass Seeding

Areas which are to receive seed to be levelled and brought to a fine tilth. Remove stones on surface exceeding 25mm. To avoid compaction and do not work with wet soil. Seed to be fresh; do not use seed purchased for previous seasons. Sow seed during Spring or early Autumn. Spread seed evenly at the specified rate(s) and according to suppliers' instructions, applied in two equal sowings in transverse directions. Lightly harrow or rake. On light soils, roll and cross-roll after seeding using a lightweight roller. During establishment of grass areas, ensure that sufficient water is applied using a fine rose or sprinkler to maintain healthy growth.

Initial Grass Cutting

When grass initially reaches 75mm it should be cut to a length of 50mm, with 3 no. subsequent cuts until the grass is green, lush with no bare patches and in a fit state to hand over to the client. Any bare patches will require over seeding in accordance with manufacturers overseeding rate to ensure full grass coverage prior to handover.

Meadow Planting

The meadow specification to be based on the Coburn's Irish Wildflower mixtures or equal in all regards. Wildflower mixes have to be based on the NIEA Native Species list 2009

Maintenance

Initial landscape operations will be undertaken by an ALCI member. The Contractor will be responsible for plant establishment and one year of establishment maintenance. The Landscape Architect will visit site at end of this year and produce a snagging list identifying all defects and outstanding items. Any trees or shrubs dying, damaged or removed will be replaced in the following planting season with plant of similar size and species.

Woodland Planting Maintenance

- Watering: Only as necessary to prevent plants wilting.
- Loose plants: Refirm surrounding soil, without compacting.
- Weed control: Cut down and remove weeds prior to setting seed in a 1 m diameter area around each tree.
- Vegetation except trees and coppice shoots to be retained: Cut within the plantation area.
  - Height (maximum): 100 mm.
  - Arisings: Leave between rows.
- Mechanical, chemical or mulching methods of vegetation control: Submit proposals.
- Ditches and drains: Keep clear.
- Watering: As required for healthy establishment, depending on weather conditions.

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Unless otherwise stated all dimensions are in millimeters. Where dimensions are not given, drawings must not be scaled and the matter must be referred to the Landscape Architect. If the drawing includes conflicting details/dimensions the matter must be referred to the Landscape Architect. All dimensions must be checked on site. The Landscape Architect must be informed, by the Contractor, of any discrepancies before work proceeds.

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH RELEVANT CONSULTANT'S DRAWINGS.

LEGEND:

SOFTWORKS

Trees

Tree Tags	Species	Girth	Height	Spec
Pa	Prunus avium 'Plena'	12-14cm	2.0-3.0m	3xtr. (R/B)
Sa	Sorbus aucuparia 'Rowan'	12-14cm	2.0-3.0m	3xtr. (R/B)
Bp	Betula pendula 'Silver Birch'	10-12cm	1.5-2.0m	3xtr. (R/B)
Ac	Acer campestre 'Field maple'	12-14cm	2.0-3.0m	3xtr. (R/B)
Ps	Pinus sylvestris - Scots pine'	12-14cm	2.0-3.0m	3xtr. (R/B)

Native Boundary Planting

Species	Height	Stock	Spec	Density
Corylus avellana	80-100cm	BR	1+2 Bushy	0.5/m2
Pinus sylvestris	80-100cm	C, SL	leader/laterals	0.5/m2
Viburnum opulus	80-100cm	BR	1+2 Bushy	0.5/m2
Euroymus europaea	80-100cm	BR	1+2 Bushy	0.5/m2
Betula pendula	80-100cm	BR	1+2 Bushy	0.5/m2
Crataegus monogyna	80-100cm	BR	1+2 Bushy	0.5/m2
Prunus avium	80-100cm	BR	1+2 Bushy	0.5/m2
Ilex aquifolium	125-150cm	RB	leader/laterals	0.5/m2
Sambucus nigra	80-100cm	BR	1+2 Bushy	0.5/m2

Grass Areas

Grass seed with general seed mix e.g. Mix: 30% (Perennial Ryegrass) + 30% (Perennial Ryegrass) + 40% (Strong creeping red fescue) + Sowing rate: 35g/m2 (12.5Kg 20 bags/Ha @ 25g/m2) Cutting height: Between 20-50mm

Shrub Planting

Species	Stock	Height	Spec	Density	%
Hebe albicans Red Edge	C2	20-30cm	Bushy	4/m2	30
Pyracantha 'Orange Glow'	C3	40-60cm	Bushy	4/m2	30
Cornus alba 'Sibirica'	C2	40-60cm	Bushy	3/m2	20
Viburnum tinus 'Lucidum'	C5	40-60cm	Bushy	3/m2	20

HARDWORKS

- Proposed Footway
- Underground attenuation tank
- Road access & Car Parking
- Proposed Yard
- Irish Water Permanent works area wayleave
- Irish Water Temporary works area wayleave

NOTE: For all boundary treatment details please refer to architects drawing

Revision Notes	By / Chk	Date	Rev
ISSUED FOR PLANNING	KH / AB	19/04/23	P00

Status: PLANNING

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Client: Rathdrinagh Land Unlimited Company, t/a Irish Recycling Limited

Project: Huntstown MRF
Dublin

Title: Huntstown Circular Economy Hub - Phase One
Sheet 1 of 1

Job No: 7670 | **Scale@A1** 1-500 | **Date:** April 2023

Drawing Number

7670-L-2101

Revision P00