PLANTING NOTES

1. **Generally**
- Where appropriate all relevant British Standards shall apply.
- Imported soils shall be compliant with BS:3882:2015
- Imported subsoils shall be compliant with BS:8601:2013
- Imported soils (subsoil & topsoil) shall be from an AS DUO source
- Manufactured soils SHALL NOT BE ALLOWED
- Soil test certificate(s) in accordance with the BS shall be required.
- Tree Planting: shall be compliant with BS 3936:2014
- Planting Stock shall be compliant with BS:3936. Plants shall be transported in accordance with the JCLI Plant Handling Code
- Planting operations shall be carried out in accordance with the relevant sections of BS4428:1989
- Planting operations shall take place during the planting season Nov-March unless otherwise agreed.
- Seeding operations shall take place between March - September in appropriate dry conditions but when rain is forecast.
- No planting or seeding operations shall take place in freezing or wet conditions
- No chemicals shall be used to the control of unsightly vegetation without CA approval and confirmation that a licence has been obtained from the Environment Agency
- For all hardworks refer to architects / engineers drawings
- For all engineering works / locations of utilities, including surface water and foul drainage refer to engineers dgs. It shall be a strict requirement, prior to the works commencing nearby area, that all utilities, below and overground shall be identified and any potential conflicts with the works resolved with the CA.
- Allow Root Barriers to tness the CA and agree there precise locations and extent with CA on site

2. Site Clearance
- For site clearance and matters concerning remediation requirements refer to information supplied by others - Architects / Engineers

3. Planting Bed Preparation
- Prior to spreading soils the formation depth of each area shall be confirmed and agreed with the CA. The formation grades shall be uncompacted allowing adequate drainage

4. Imported soils
- Shall be supplied screened and prepared as follows:
  Tree Pits (Ref Dtl.1)
- Topsoil min 300mm
- Subsoil min 300mm

Shrub Beds / Informal Hedging (Ref Dtl.2)
- Subsoil min 300mm - loosely spread and lightly compacted
- Topsoil min 300mm - loosely laid, graded and stone picked and cultivated incorporating 30% by volume green compost to PAS 100. A proprietary slow-release fertiliser shall be applied and raked into the soil surface at manufacturers recommended rates.

Species Rich Grassland / Wildflora (Ref Dtl.1)
Subsoil min 200mm
- The areas for wildflora shall be cultivated to a fine tilth, stone picked and graded in dry conditions in accordance with best practice. Fertilisers shall not be used.

Rain Garden (Ref Dtl.3)
- Surface Material shall be F2 / 30 Sand / Subsoil Mixture min 150mm depth

5. **Planting Specification**

Specimen Tree Planting
- Species shall be as indicated
- All locations shown trees shall be planted sized as Selected Standard (SS) Trees 14-12cm girth Rootballed Trees
- Trees shall be planted in prepared pits as indicated Dtl. 1.

Shrub Planting
- Species shall be as indicated
- Planted at a rate of 3 plants per m.sq

Informal Hedgerow
- Species shall be as indicated
- Planted at a rate of 3 plants per m.sq in species groups of not less than 3.

Groundcover Planting
- Species shall be as indicated
- Planted at a rate of 3 plants per m.sq throughout the area indicated

Watering & Mulching
- After planting all trees, hedgerows and shrub beds shall be thoroughly watered and then mulched with an ornamental grade bark mulch to a depth of 75mm.

Species Rich Grassland / Wildflora
- The seed suppliers growing guide shall be strictly adhered to, in particular with regard to soil preparation and obtaining a weed free seed bed
- Seed mixture shall be Germinal WFG8 For Shaded Areas
- Seed Mixture for Rain Gardens shall be Germinal WFG9 for Wetland Areas
- Obtain confirmation of Seed Mixture from the CA prior to ordering and sowing
- Sow seed in autumn or spring in dry conditions when rain is forecast. Sow seed at suppliers recommended rates

6. **Establishment Maintenance**

Generally
- The maintenance of the landscape schemes shall be continued for a period of 5 years post completion. The following operations shall be included:
  - Litter picking (10x pa)
  - Replacement of failed plants annually (x1)*
  - Weeding (10x pa)
  - Mowing (x2)
  - Pruning & Hedge Cutting (x2)
  - Watering (during droughts allowing 4x pa)

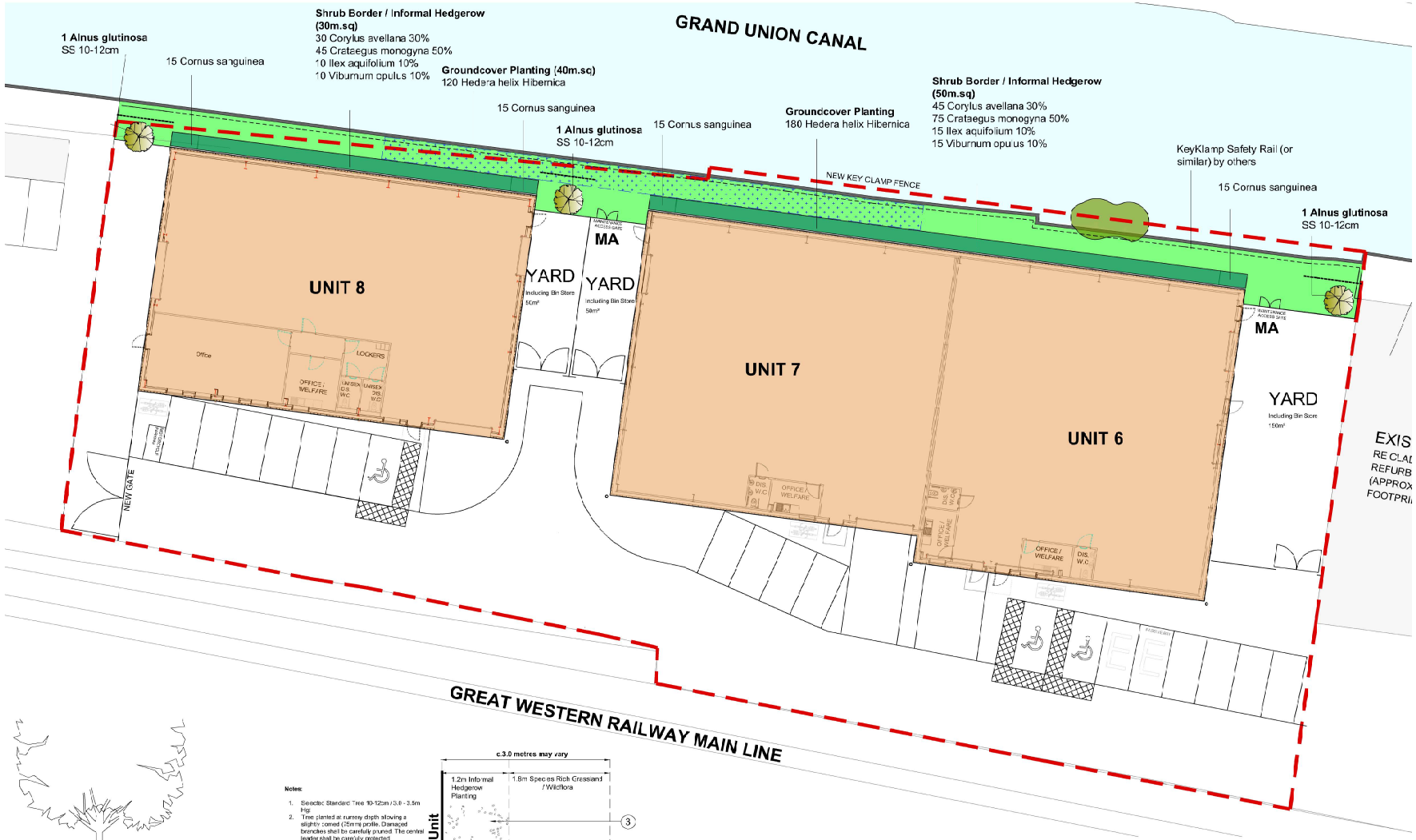
* Allow annual inspections and reporting to ensure maintenance of all Trees Plants and Grasses / Wildflora establish in accordance with the proposal

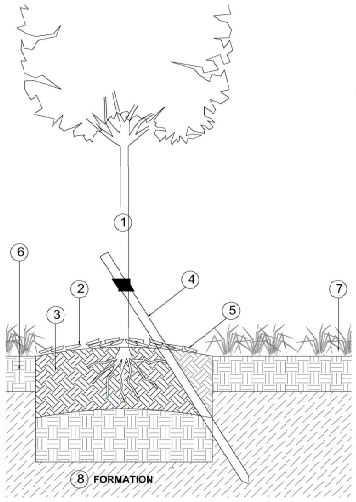
Trees
- Allow pruning dead dying or diseased wood annually removing arising's
- Allow replacing/re-fixing tree stakes and tie and removal of these at Year 5

Informal Hedgerows
- Allow flailing up of hedgerows 2 x annually avoiding the Bird Nesting Season 1st Mar - 30th Sept inclusive in late Autumn and late Winter. Allow vertical growth for first 2 seasons after planting, thereafter topping off of hedgerow at 2.0m height

Cornus Sp
- Allow to freely grow for first 2 seasons, thereafter stooling annually in late winter cutting stems to ground
- Remove arising's

Species Rich Grassland / Wildflora inc. Rain Garden
- Allow 1 cut in late spring (end of May)
- Allow 1 cut in late summer (end of September)
- Timing of cuts shall be to follow flowering in dry conditions. Allow removal of all arising's from site.



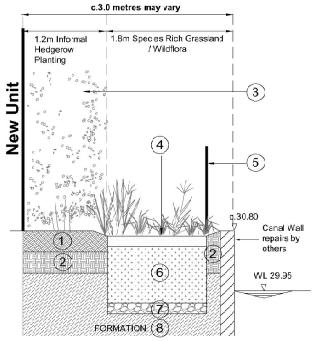


Notes:

1. Selected Standard Tree 10-12cm / 3.0 - 3.5m Hgt
2. Tree planted at nursery depth allowing a slightly domed (75mm) profile. Damaged branches shall be carefully pruned. The central leader shall be carefully protected
3. Tree Pit excavated ≥ 1.0m sq, Depth minimum 600mm, Allowing:
   - Thorough loosening of sides and bottom of pit to allow drainage and root penetration
   - Backfill pit with subsoil (300m depth) & topsoil (300mm depth) mixed thoroughly, 50% by volume Tree Planting & Mulching Compost (TPMC)
   - Allow domed profile at surface at base
4. Allow single staking at ≤ 45 deg using 1 Nr tanalised & turned softwood stakes 1500 x 50mm dia. Allow for staking cleanly at c.400mm above ground level & tying with a 38mm wide strap & block. Strap and block by Toms or similar
5. Mix 75mm depth composed bark mulch / ornamental grade to 0.5m radius
6. Adjacent areas (with the exception of the Rain Garden) comprising 200mm subsoil prepared for Species Rich Grassland / Wildflora seeding
7. Root Barrier Refloc 600 by GreenBlue Urban located ≤ 1.2m from tree hole and laid according to GB Urban specification
8. Formation grades, shall be de-compacted and free of deleterious material prior to placement of subsoil.

Additional Note:
Locations for planting each tree are shown indicatively: the exact locations shall be confirmed on site depending upon the proximity of utilities. Include root barriers (ReRoot 600 by GreenBlue Urban) that shall be installed according to GB Urban specification

1 Selected Standard Tree Planting
Scale 1:10



Notes:

1. Topsoil to BS: 3882, 300mm depth
2. Subsoil to BS: 8601, Min 300mm depth
3. Informal Hedgerow Refer to Planting notes
4. Wildflora Seeding Germinal WFG9 for Wetland Areas on 70 / 30 Sand/Subsoil Mixture min 150mm depth
5. KeyKlamp Safety Rail or similar by others

Rain Garden Construction - indicatively shown. Refer to Engineers Details for full description
6. Filter Medium to Clause 703 800mm depth
7. Drainage pipework in clean stone
8. Formation

2 Section through Rain Garden / Canal Edge (Typical)
Scale 1:25

KEY

Application Boundary (Refer to Arch Drgs)		Species Rich Grassland / Wildflora Seeding (Germinal Seed Mix WFG8 for shaded areas)	
Existing Vegetation* (indicatively shown only)		Rain Garden (Germinal Seed Mix WFG9 as Dtl.2)	
New Trees (Selected Standard Trees 10-12cm girth planted as Dtl.1 inc. ReRoot 600 Root Barrier)		Canalside Wall (Works to Wall by others)	
Informal Hedgerow (Mixed native species)		Maintenance Access	MA

* *The entire area for planting / seeding above the Canal Wall shall be cleared of existing vegetation.*

North

10m

SCALE BAR

PLANT SCHEDULE

SPECIES	PLANTED	SPECIFICATION	NO
TREES			
Alnus glutinosa	Locations AS and as Dtl.1	Selected Standard 10-12 Rootballed Tree	3
Informal / Naturalistic Hedgerows (60m.sq)			
Corylus avellana 30%	Planted in species groups of not less than 3 at 3 plants per m.sq	BR Transplant 40-60cm	75
Crataegus monogyna 50%		BR Transplant 40-60cm	120
Ilex aquifolium (10%)		3L Pots 40-60cm	25
Viburnum opulus (10%)		3L Pots 40-60cm	25
Shrub Planting (20m.sq)			
Cornus sanguinea	3/m.sq	BR Transplant 40-60cm	60
Groundcover Plants (100m.sq)*			
Hedera helix Hibernica	3/m.sq	2L Pots	300

Species Rich Grassland / Wildflora

All seed supplied by by Germinal UK
For Open areas: Seed Mixture Ref WF38 for Shaded Areas
For Rain Gardens: Seed Mixture Ref WFG9 for Wetland Areas

Mixtures contain 80% Grasses / 20% Wildflora sown at recommended rates strictly in accordance with suppliers recommendations

Issue 2 June 2023 FOR PLANNING ONLY
Issue 1 March 2023 FOR PLANNING ONLY

Robert Rodger Associates Ltd
Landscape Architecture * Landscape Planning * Urban Design
"Rivington", Church Lane, Farndon, Chester CH3 6QD

Client:	Berrite Limited		
Project	Berrite Estate Units 6 7 & 8		
Drg.Title	Landscape Layout		
Date	June 2023	Scale: 100 @ A0	Drg: RAL 386-01
Drawn	RKR		Issue: 02