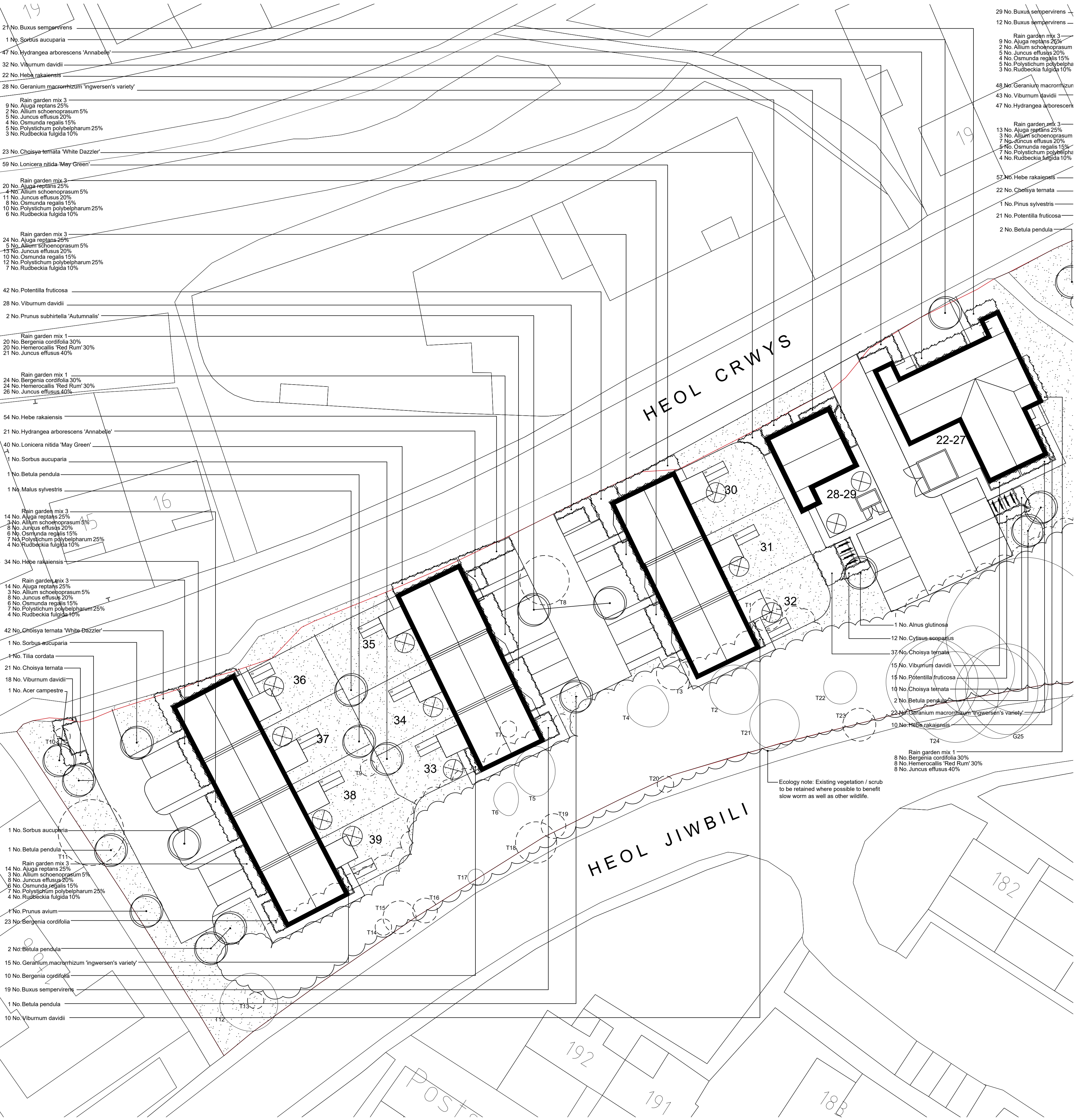


Superseded



Planting Schedule					
Trees					
Number	Species	Cirh	Height	Specification	
2	Acer campestre	14-16cm	12m	RB Extra Heavy Standard	
3	Alnus glutinosa	14-16cm	12m	RB Extra Heavy Standard	
12	Betula pendula	14-16cm	12m	RB Extra Heavy Standard	
12	Malus sylvestris	14-16cm	12m	RB Extra Heavy Standard	
1	Pinus sylvestris	14-16cm	2.0-2.5m	RB Feather	
1	Prunus avium	14-16cm	12m	RB Extra Heavy Standard	
3	Prunus subhirtella 'Autumnalis'	14-16cm	12m	RB Extra Heavy Standard	
7	Sorbus aucuparia	14-16cm	12m	RB Extra Heavy Standard	
2	Tilia cordata	20-25cm	12m	RB Semi-Mature	
Total: 33					
Shrubs					
Number	Species	Height	Pot Size	Specification	Density
77	Bergenia cordifolia	20-30cm	3L	C	4/m²
157	Buxus sempervirens	40-60cm	3L	C	3/m²
41	Ceanothus thyrsiflorus repens	60-80cm	3L	C	3/m²
105	Choisya ternata	40-60cm	3L	C	3/m²
127	Choisya ternata 'White Dazzler'	40-60cm	3L	C	4/m²
28	Cytisus scoparius	40-60cm	3L	C	3/m²
283	Geranium macrorrhizum 'Ingwersen's variety'	30-40cm	3L	C	6/m²
237	Hebe rakaiensis	30-40cm	3L	C	4/m²
196	Hydrangea arborescens 'Annabelle'	40-60cm	3L	C	4/m²
171	Lonicera nitida 'May Green'	40-60cm	3L	C	4/m²
20	Miscanthus sinensis 'Femur Osan'	40-60cm	3L	C	6/m²
115	Potentilla fruticosa	40-60cm	3L	C	3/m²
85	Rosmarinus officinalis	40-60cm	3L	C	4/m²
35	Veronica boissierensis	2L			6/m²
253	Viburnum davidii	40-60cm	3L	C	3/m²
Total: 1908					
Rain Garden Mix 1					
Number	Species	Height	Pot Size	Specification	Density
62	Bergenia cordifolia	20-30cm	3L	C	5/m²
62	Hemerocallis 'Red Rum'	20-30cm	3L	C	5/m²
65	Juncus effusus	20-30cm	3L	C	4/m²
Total: 189					
Rain Garden Mix 2					
Number	Species	Height	Pot Size	Specification	Density
20	Alchemilla mollis	20-30cm	3L	C	5/m²
16	Brickellia coccinea	20-30cm	3L	C	4/m²
26	Geranium Rozanne	20-30cm	3L	C	5/m²
Total: 62					
Rain Garden Mix 3					
Number	Species	Height	Pot Size	Specification	Density
207	Alnus repens	20-30cm	3L	C	6/m²
45	Allium schoenoprasum	20-30cm	3L	C	6/m²
114	Juncus effusus	20-30cm	3L	C	4/m²
87	Osmunda regalis	20-30cm	3L	C	4/m²
105	Polystichum polybipharum	20-30cm	3L	C	3/m²
60	Rudbeckia fulgida	20-30cm	3L	C	4/m²
Total: 618					
Rain Garden Mix 4					
Number	Species	Height	Pot Size	Specification	Density
37	Dryopteris felix-mas	20-30cm	3L	C	5/m²
49	Geranium Rozanne	20-30cm	3L	C	5/m²
37	Hosta sieboldiana	20-30cm	3L	C	5/m²
Total: 123					

Rain Garden Mix 1					
Number	Species	Height	Pot Size	Specification	Density
62	Bergenia cordifolia	20-30cm	3L	C	5/m²
62	Hemerocallis 'Red Rum'	20-30cm	3L	C	5/m²
65	Juncus effusus	20-30cm	3L	C	4/m²
Total: 189					

Rain Garden Mix 2					
Number	Species	Height	Pot Size	Specification	Density
20	Alchemilla mollis	20-30cm	3L	C	5/m²
16	Brickellia coccinea	20-30cm	3L	C	4/m²
26	Geranium Rozanne	20-30cm	3L	C	5/m²
Total: 62					

Rain Garden Mix 3					
Number	Species	Height	Pot Size	Specification	Density
207	Alnus repens	20-30cm	3L	C	6/m²
45	Allium schoenoprasum	20-30cm	3L	C	6/m²
114	Juncus effusus	20-30cm	3L	C	4/m²
87	Osmunda regalis	20-30cm	3L	C	4/m²
105	Polystichum polybipharum	20-30cm	3L	C	3/m²
60	Rudbeckia fulgida	20-30cm	3L	C	4/m²
Total: 618					

Rain Garden Mix 4					
Number	Species	Height	Pot Size	Specification	Density
37	Dryopteris felix-mas	20-30cm	3L	C	5/m²
49	Geranium Rozanne	20-30cm	3L	C	5/m²
37	Hosta sieboldiana	20-30cm	3L	C	5/m²
Total: 123					

Note: Rain garden plants to be planted in random single species groups of between 5 and 9 and distributed evenly across the planting area.

Planting Specification

All work and materials shall be in accordance with current British Standards components and to Code of Practice.

SITE CLEARANCE

- a. Remove general builders rubble, litter and any stones greater than 75mm in size from the areas to be planted. Such materials are to be collected and taken to the Contractors tip or disposed of on site as directed.

EARTHWORKS

Planting Areas

- a. Approved topsoil, both site won and imported, shall be led onto site and spread evenly on the approved formation to give a finished depth of 150mm for grassed areas, 450mm for shrub planted areas and 1000mm depth for tree pits. All topsoil to be placed on a minimum of 300mm depth of subsoil.
- b. Finished levels of topsoil in grassed areas to be 25mm above adjoining paving. Finished level of topsoil in shrub beds to be 50mm lower than adjacent edging to allow paving of bark mulch.
- c. Supply and spread approved fertiliser such as SAI Enmag or similar standard at the rate of 70g/m² to be worked into top 200mm.

CULTIVATIONS AND PLANTING

Planting Areas

- a. Shrub beds shall be cultivated prior to planting to produce a medium till and all weeds, stones and other debris arising from this work are to be collected and removed from the site.
- b. Spread approved tree and shrub planting compost over the planting beds at a rate of 20 litres/m² and work into the top 200mm.
- c. Shrubs to be sited in locations, numbers and densities shown in the planting schedule and on the soft landscape drawings. Shrubs to be placed to achieve an even spacing and matching of shapes. All shrubs are to be planted at the depth at which they have previously been growing, allowing for soil settlement after planting.
- d. Surfaces of shrub planting areas shall be left clean and neat with a raked surface between the planting during and on completion of planting.
- e. Immediately after planting all containerised plants shall be watered with 5 litres of water per plant.
- f. All grass edges to be cut vertically with an edging iron to a depth of 100mm. Resultant edges to be clean and straight or an even smooth radius. Edges to be left neat and tidy with ground on shrub side meeting cut face at an even gradient. All cuttings to be removed from site.
- g. A 50mm layer of matured conifer bark to be spread over planting areas and tops of tree pits, at least 75% of which shall exceed 60mm particle size and shall contain a minimum of wood particles, the bark is to be pest, disease and weed free.

Tree Planting - Planting Pits

- a. Excavate tree pits as follows:-
 - Standard / Feathered trees - 1000 x 1000 x 1000mm
 - Semi-Mature trees - 1500 x 1500 x 1000
- b. Loosen base to a further depth of 200mm and scantily sides. Dispose of unsuitable excavated material off site to approved tip.
- c. Trees to be double staked with stakes positioned parallel to the adjacent kerb line or paving. Tree stakes to be pressure treated, minimum diameter 65mm and pointed at one end. Stakes to be driven into the pit before planting to

Tree planting to be double staked using 75mm diameter pointed softwood stakes treated with Tanalith E Class 4.0. Stakes to be driven into ground 1500mm below finished soil level and be 600mm above ground. Trees to be secured to stakes using adjustable rubber tree ties.

GreenBlue Urban Root Rain urban irrigation system RRRU01.

1 x 1 x 1m tree pit backfilled firstly with site won subsoil (700mm) and then site won topsoil (300mm). Topsoil to BS3882 thoroughly mixed with Melcourt Topgrow Planting Compost in ratio 2:1 as specified. Include for Enmag slow release fertiliser at 100gms per pit, and backfill in 150mm layers firming up before next layer is added. Break up bottom of pit 200mm deep and sides where root barrier is not installed.

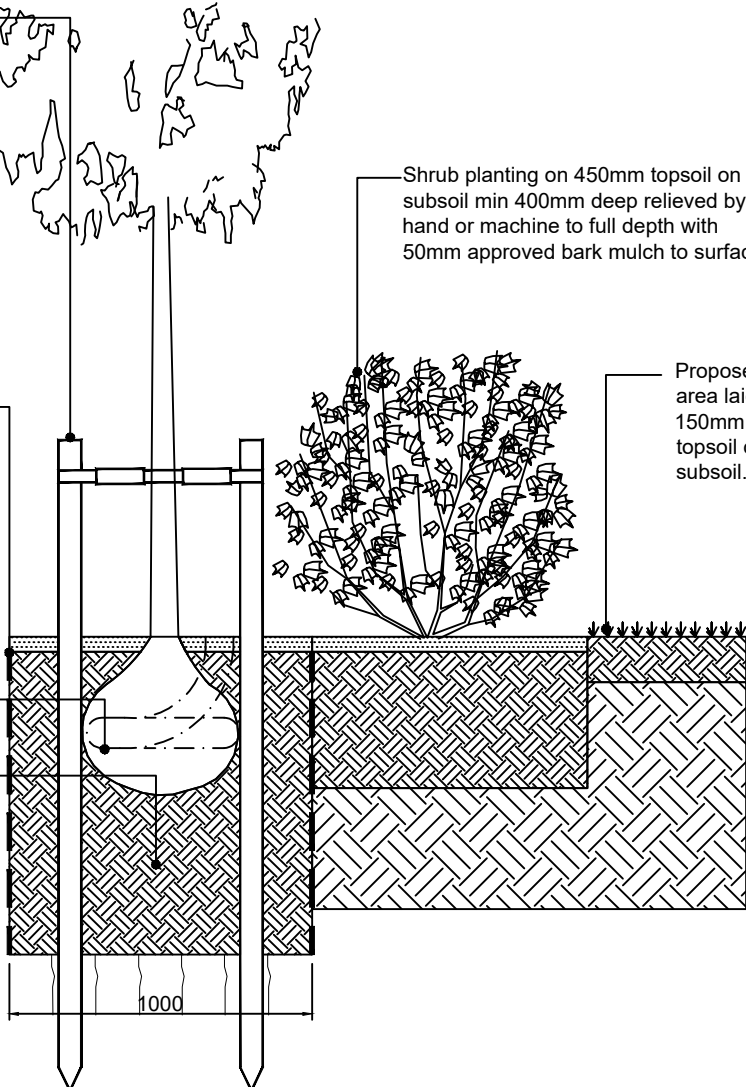
Typical section through tree pit / shrub planting / grass. Scale 1:25

LEGEND

- Existing surveyed trees to be retained and protected in accordance with BS 5837:2012 as required and in accordance with the Arboricultural Report.
- Existing trees to be removed as part of the development.
- Existing groups of trees / vegetation / hedges to be retained and protected in accordance with BS 5837:2012.
- Existing groups of trees / vegetation / hedges to be removed as part of the development.
- Proposed native tree planting. Refer to schedule for details.
- Proposed shrub planting to include pollinators. Refer to schedule for details.
- Proposed amenity grassed areas to be seeded with 'A22 Low Maintenance' by Germinal or similar on min. 150mm topsoil on min. 300mm subsoil as per specification. Sown at the recommended rate of 50g/m².

Notes about birds breeding season and tree removal:
It is recommended that vegetation which needs to be removed is done prior to the bird breeding season. (1st March to 31st August). If this is not possible within this period, the vegetation removal should be carried out under the supervision of an Ecologist.

If birds are found to be breeding in the vegetation which needs to be removed then vegetation removal in the area surrounding the nest must be delayed until the eggs have hatched and the young birds have left the nest.



- Defects Liability Period**
 - a. Any trees, shrubs and grass found to be defective or missing, for any reason before practical completion shall be replaced by the Contractor entirely at his own expense.
 - b. Thereafter any failures within 12 months of the date of practical completion shall also be replaced to the original specification by the Contractor entirely at his own expense, in the next planting season.
 - c. Thereafter any failures within the next 4 years shall also be replaced to the original specification in accordance with the planning conditions.
- Weed Control**
 - a. Keep shrub beds and areas around trees free from annual and perennial weeds by hand weeding. All arisings to be removed from site. Allow 7 no. visits per year.
 - b. Apply translocated herbicide to shrub beds using weed wiper. Allow 3 visits a year with dead weed growth removed after each visit.
- Mulch**
 - a. Bark mulch to be reinstated to original depths at the end of each growing season. Allow 1 no. visit per year.
- Watering**
 - a. All planting shall be watered with a low pressure hose during dry spells, within the first year of growth only, at the following rates:
 - Feathered/standard trees - 35 litres/tree/visit
 - Heavy standard trees - 42 litres/tree/visit
 - Semi-mature trees - 48 litres/tree/visit
 - Shrubs - 5 litres/plant/visit
- Fertiliser**
 - a. At the end of the establishment period, 30gms of slow release fertiliser to be applied around each plant. Allow 1 no. visit at end of Year 2.
- Grass Cutting**
 - a. Areas sown with amenity mix:
 - 16no. visits between April and October. Grass areas to be cut to a height of c.40mm. NB: In drought conditions adjust cutting heights to c.60mm. In very wet conditions, all operations involving grass cutting shall cease until conditions allow operations to continue without damaging the surfacing, levels and contours of the ground. Allow for sweeping clean of all paths and roads of grass cuttings at each mowing.
 - c. In ALL CASES all arisings are to be removed from site.
- Firming In**
 - a. All plants and tree stakes loosened by planting operations, weed or frost shall be firmed in. Allow 1 no. visit per year.
- Litter Collection**
 - a. Whole site to be kept in a clean and tidy condition throughout the establishment period. Litter to be removed from site. Allow 20 no. visits per year.
- Watering**
 - a. Contractor shall be entirely responsible for all watering necessitated by dry weather and it shall be undertaken by stationary rotary sprays.
- Completion**
 - a. Grass areas shall be accepted as having reached practical completion only when germination has proved satisfactory and healthy weed free swards have been established.
- MAINTENANCE**
 - a. The Contractor shall be responsible for the maintenance of the planting and grassed areas for a 12 month period following the completion of the works and will be responsible for any defects due to faulty materials, including plant failures, or workmanship during this time.
 - b. The Contractor shall carry out maintenance work at suitable intervals and in suitable weather conditions.
 - c. 48 hours notice in writing shall be given before commencement of any maintenance operations. Failure to do so will result in non payment for any supposed work carried out.

REV.	DESCRIPTION.	DATE.	REV.	DESCRIPTION.	DATE.	REV.	DESCRIPTION.	DATE.
-	-	-	-	-	-	-	-	-



IMPORTANT CDM / H&S NOTE

The designers would draw the readers attention to key residual construction health and safety hazards that have not been eliminated from the designs shown on the drawings by the design process. These hazards are identified below:

Working on or adjacent to the public highway.

Working adjacent to slopes.

Any construction personnel including operatives intending to construct the designs shown on this drawing should ensure that they have been thoroughly briefed by the principle contractor on all health and safety matters and have sight of:

1. The full designers and contractors hazard risk assessments and risk registers.
2. The developed construction phase health and safety plan.
3. The contractors construction method statements.

PROJECT		
Heol Crwys, Cwmavon		
DRAWING TITLE		
Soft Landscape Proposals 1 of 2 [West]		
DRAWING No.	SCALE (A1)	
1157.01	1:250	
DATE	DRAWN	CHKD
Sept/22	LH	DP
Newcastle Upon Tyne		
Cardiff / Caerdydd		
Info@dpla.co.uk		
www.dplandscapearchitecture.co.uk		

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