

Proposed Pumping Station At
Development at Forest Road,
Co. Dublin

Ronan Mac Diarmada & Associates

Landscape Architects & Consultants



LANDSCAPE RATIONALE

Jun 2026

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1. SITE CONTEXT AND LOCATION

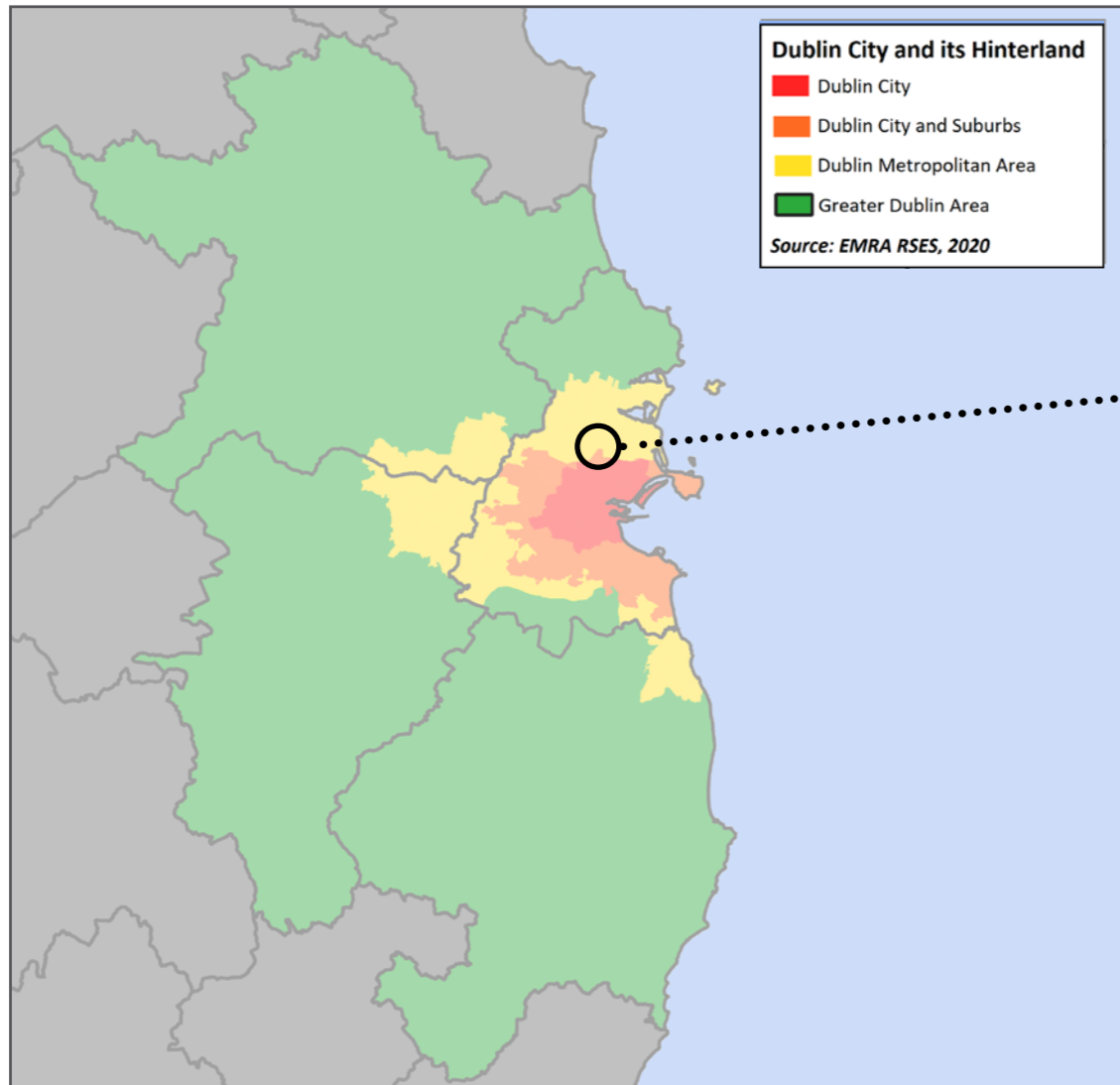
The proposed development site is located on the outskirts of a suburban landscape situated on the south fringes of Swords town, north county Dublin.

The site is positioned along Forest Road, a local road that connects a number of residential estates to the wider area. The M1 runs due east to the proposed site.

The immediate area surrounding the site is made up of suburban landscape and open green space. Dublin Airport is situated south of the proposed development.



 - Red Line




2. FULL SITE LAYOUT









-  **Existing Trees/Hedges**
To be retained
-  **SOFT LANDSCAPE**
Proposed Tree Planting
Alnus glutinosa, Amelanchier grandiflora, Betula pendula, Carpinus betulus 'Fastigiata', Pinus sylvestris, Prunus avium 'Plena', Quercus robur, Salix alba, Sorbus aucuparia, Tilia cordata
-  **Amenity Grass - Public Area**
300mm min. Topsoil depth
-  **Amenity Grass - Communal Open Space**
300mm min. Topsoil depth
-  **Amenity Grass - Rear garden**
300mm min. Topsoil depth
-  **Mounding**
500mm min. per contour
-  **M1 - Wild Flower Meadow -**
An appropriate dry meadow type with wildflowers for these areas would simulate NVC type MG5. Appropriate herbs for this type of meadow include:

Borage, Corn Poppy (Papaver Rhoeas), Cornflower (Centaurea Cyanus), Lesser Knapweed (Centaurea nigra), Musk Mallow (Malva Moschata), Ox Eye Daisy (Leucanthemum Vulgare), Red Campion (Silene Dioica), Wild Red Clover, Ribwort Plantain (Plantago lanceolata), Salad Burnet (Sanguisorba Minor), Self heal (Prunella vulgaris), White Campion (Silene Alba), Yarrow (Achillea Millefolium)
-  **Common Area Mix Shrub, Ground Cover & Perennial Planting**
450mm topsoil depth
Species Name
Shrubs: Cistus corbariensis, Astelia 'Silver Spear', Prunus 'Luyken', Lavandula angustifolia

Ground Cover: Hedera helix 'Hibernica', Persicaria affinis, Bergenia cordifolia, Helleborus niger

Perennial: Agapanthus 'Blue Umbrella', Allium 'Purple sensation', Crocosmia 'lucifer', Kniphofia royal standard, Galium odoratum/Tulbaghia
-  **Proposed Swale**
-  **H1 - Proposed Native Hedgerow**
450mm topsoil dept/100cm Double Staggered Row
Species Name
Craetagus monogyna, Prunus spinosa, Ilex aquifolium, Rosa canina, Lonicera periclymenum 'Graham Thomas'
-  **H2 - Beech double hedgerow with post & wire fence between the rows**
450mm topsoil dept
Species Name
Fagus sylvatica
-  **H3 - Structural/Defensive Hedgerow**
450mm topsoil dept/100cm Single Staggered Row
Species Name
Elaeagnus x ebbingei



-  **HARD LANDSCAPE**
Main Roadway
(to Engineer's Specification)
Tarmacadam or similar approved
-  **Homezone Residential Roadway**
(to Engineer's Specification)
Tarmacadam with red graphic chipping or similar approved
-  **Concrete Footpath**
(to Engineer's Specification)
In-situ concrete. Brushed with trowel edge finish or similar approved
-  **Cycle Path**
(to Engineer's Specification)
Tarmacadam, colour to be decided or similar approved
-  **Trail**
(to Engineer's Specification)
Tarmacadam, colour to be decided or similar approved
-  **Soft Play Area**
Wetpour Safety Surface or similar approved
-  **Parking Areas**
Permeable Paving: Silver (200x100x80mm) with silver border or similar approved
-  **Homezone Area Footpath**
Permeable Paving: Charcoal : 3 size mix x 80mm. (120x160mm, 160x160mm, 240x240mm) with silver border or similar approved



3. PUMPING STATION AREA

- SOFT LANDSCAPE**
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- Mounding**
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- H1 - Proposed Native Hedgerow**
 450mm topsoil dept/100cm Double Staggered Row
 Species Name
Craetagus monogyna, Prunus spinosa, Ilex aquifolium, Rosa canina, Lonicera periclymenum 'Graham Thomas'
- H2 - Beech double hedgerow with post & wire fence between the rows**
 450mm topsoil dept
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Fagus sylvatica
- H3 - Structural/Defensive Hedgerow**
 450mm topsoil dept/100cm Single Staggered Row
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Elaeagnus x ebbingei

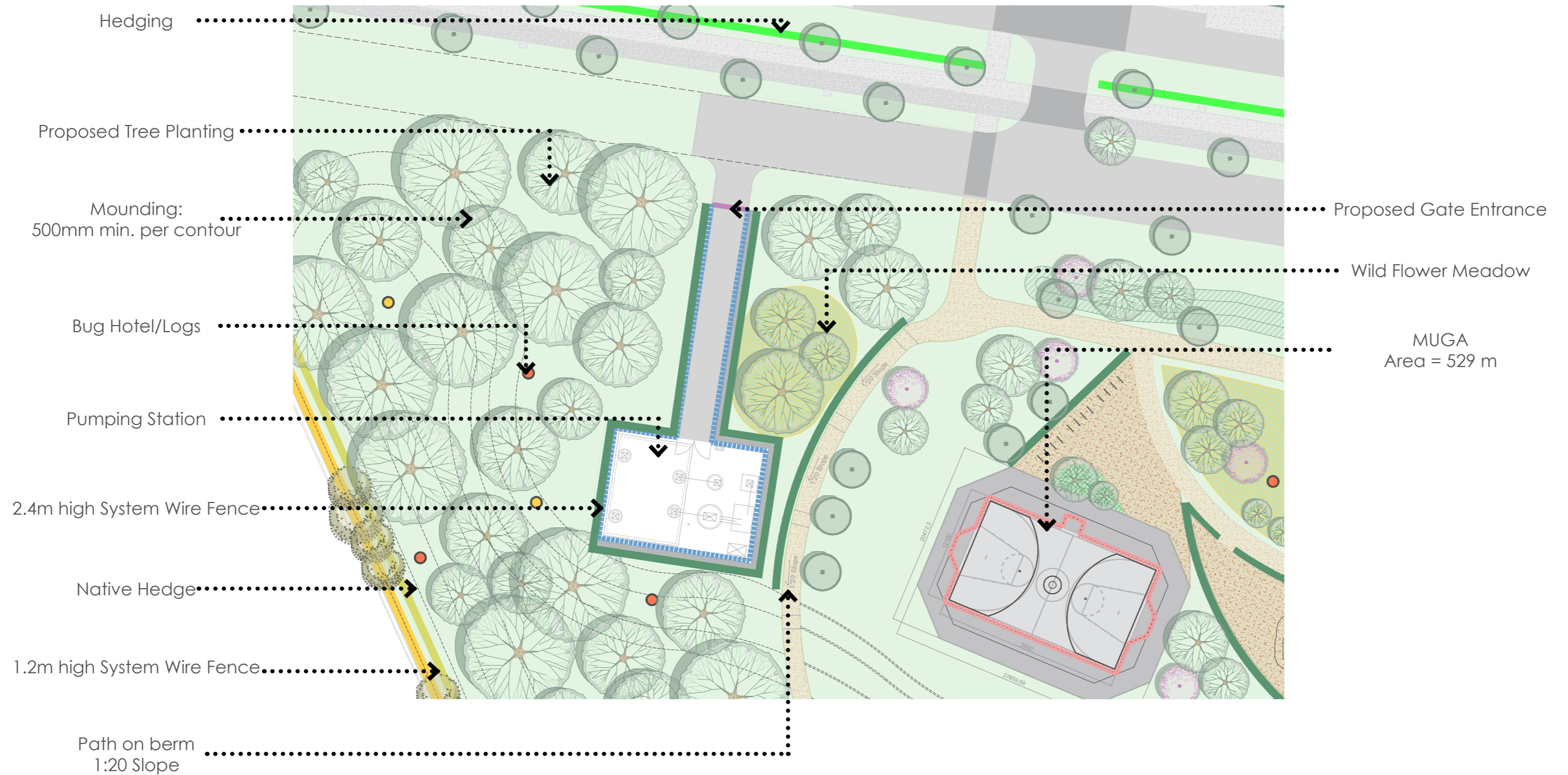
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 (to Engineer's Specification)
 Tarmacadam with red graphic chipping or similar approved
- Concrete Footpath**
 (to Engineer's Specification)
 In-situ concrete. Brushed with trowel edge finish or similar approved
- Cycle Path**
 (to Engineer's Specification)
 Tarmacadam, colour to be decided or similar approved



- Trail**
 (to Engineer's Specification)
 Tarmacadam, colour to be decided or similar approved
- Soft Play Area**
 Wetpour Safety Surface or similar approved
- Stone Filled Filter Drain**
 (to Engineer's Specification)
- BOUNDARY TREATMENT**
Boundary Treatment 6
 1.2 high Mesh Fence
- Boundary Treatment 9**
 2.4m high System Wire Fence
- Boundary Treatment 10**
 3.0 m high MUGA Fence
- Boundary Treatment 12**
 2.4m high Entrance Gate
- Bird/Bat Boxes**
- Bug Hotel/Logs**



3.2 Pumping Station - Planning



3.1 BOUNDARY TREATMENT PLAN



-  **BOUNDARY TREATMENT**
Boundary Treatment 6
1.2 high Mesh Fence
-  **Boundary Treatment 9**
2.4m high System Wire Fence
-  **Boundary Treatment 10**
2.4m high System Wire Fence Gate
-  **Boundary Treatment 12**
2.4m high Entrance Gate

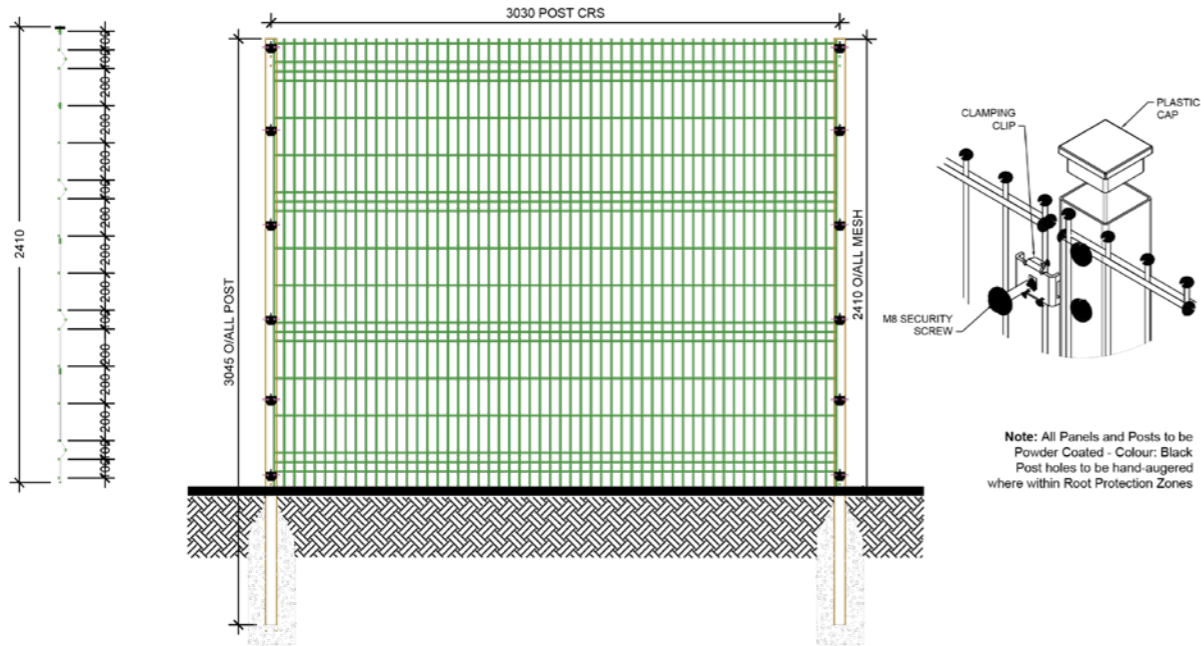
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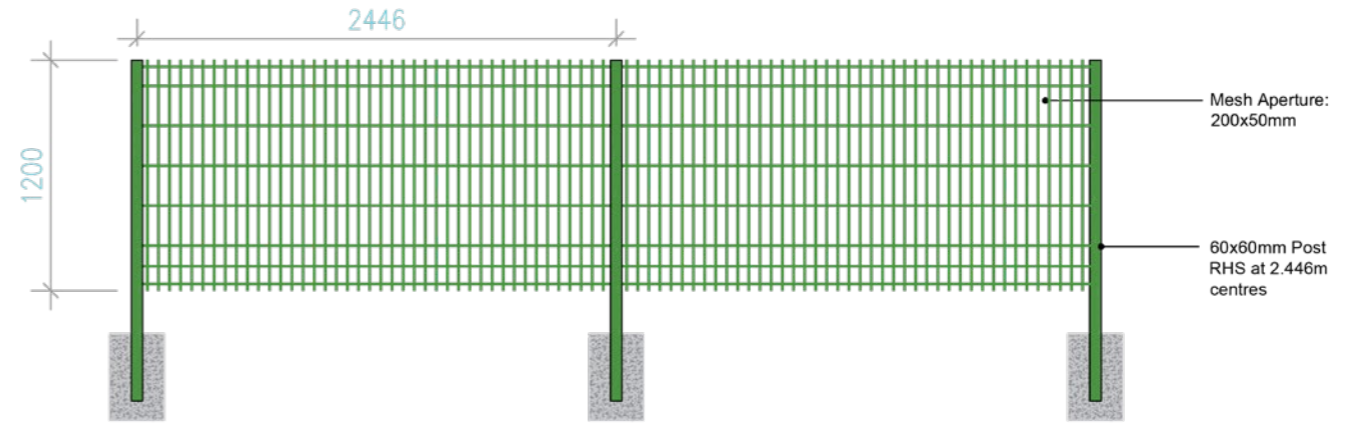
BOUNDARY DETAILS

B9 2.4m high Mesh Fence
Scale 1:50

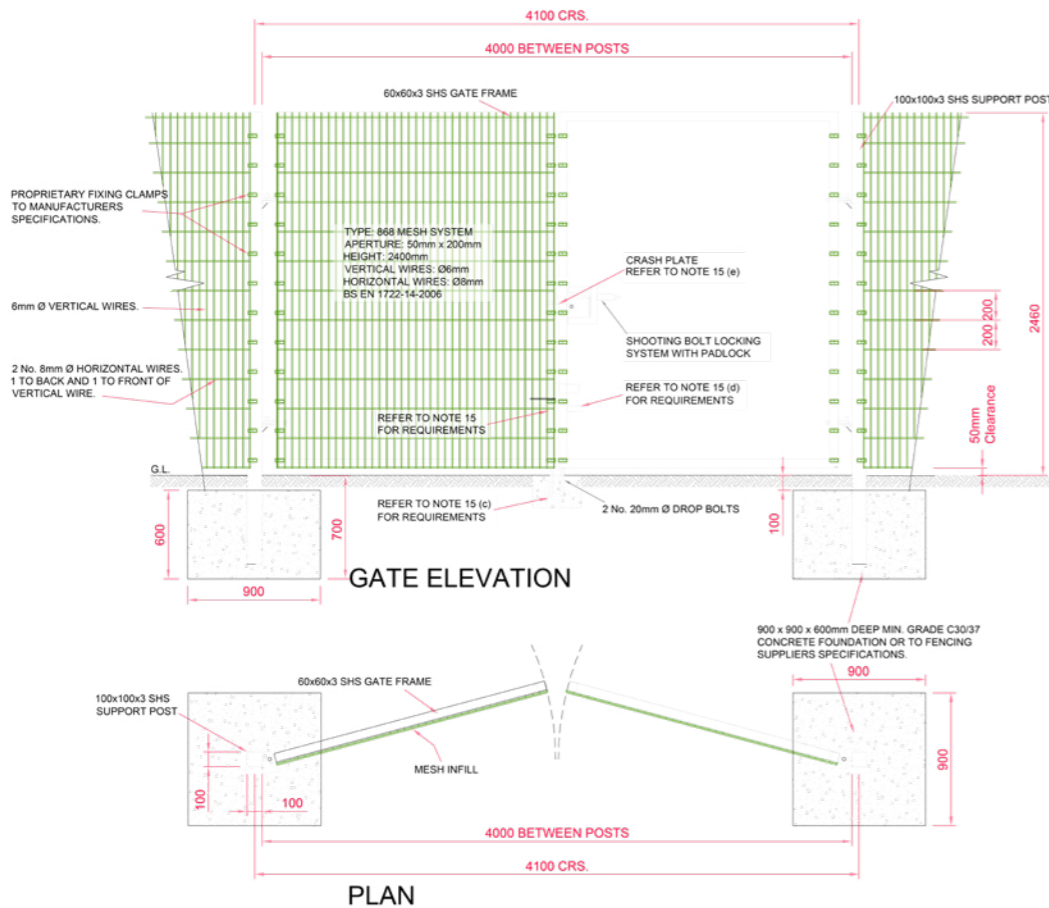
Product Code	Post Size (mm)	Height (mm)	Post Centres (mm)	Horizontal Wires (QTY)	Notes: All size panels
A01-24	60 x 60	2450	3030	17	Vertical Wires Ø5mm Horizontal Wires Ø5mm Aperture 50mm x 200mm



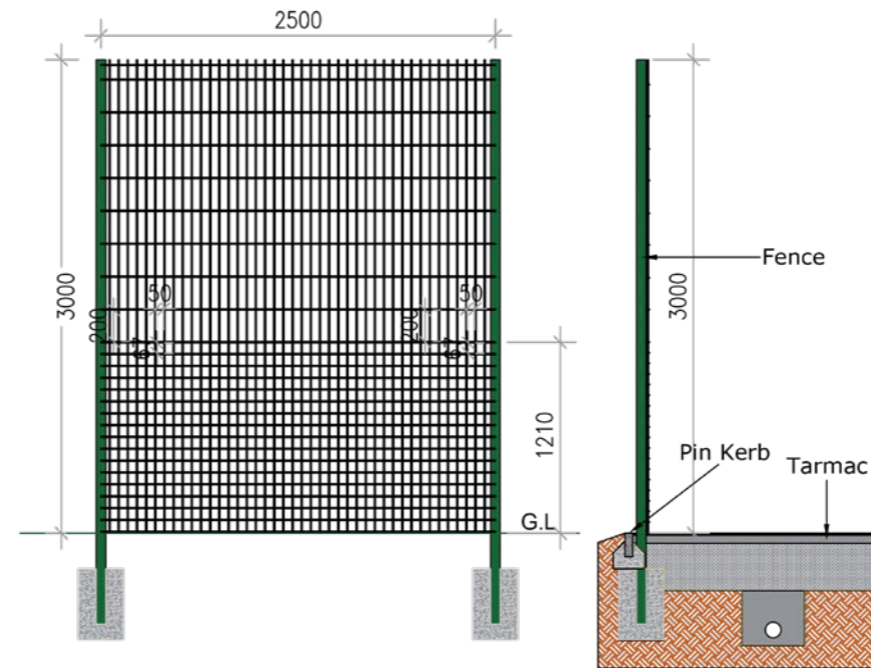
B5 1.2m high Mesh Fence
Scale 1:50



B11 2.4m high Mesh Fence Gate
Scale 1:50



B10 3.0m high MUGA Fence
Scale 1:50

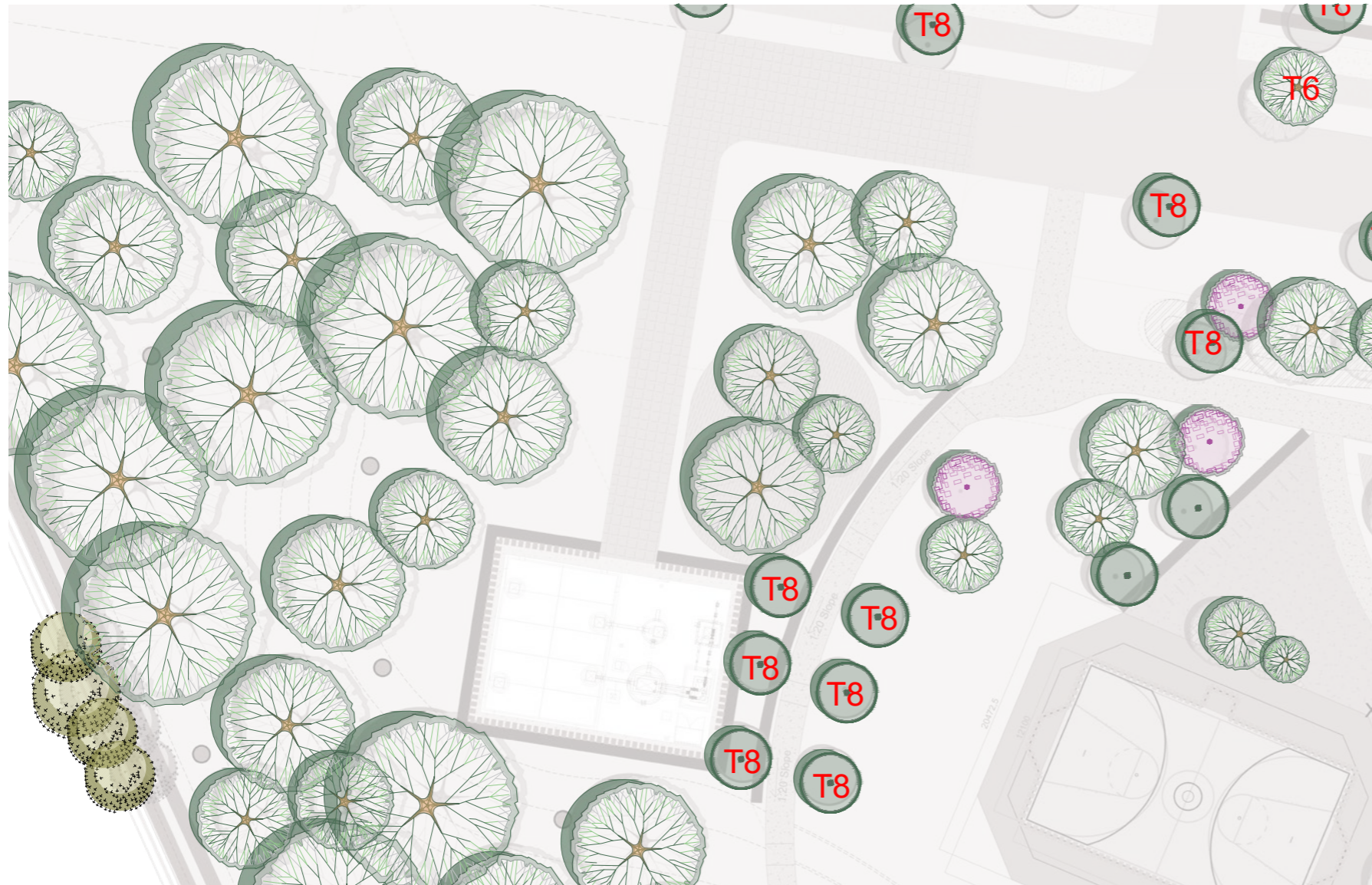


System Fence (Green)
Post: 60x60mm RHS at 2.5m centres, panel fixed to posts with 25 x 25mm slotted clamp bar using NK M8 tamper-resistant bolt and threaded nutserts.
Mesh Aperture: 200 x 50mm, 67 x 50mm.
Wire Diameter: 6mm horizontal, 5mm vertical.
or similar approved

- BOUNDARY TREATMENT**
Boundary Treatment 6
1.2 high Mesh Fence
- Boundary Treatment 9**
2.4m high System Wire Fence
- Boundary Treatment 10**
2.4m high System Wire Fence Gate
- Boundary Treatment 12**
2.4m high Entrance Gate

4.1 PROPOSED PLANTING

PROPOSED TREE PLANTING



Proposed Tree List

Name

- T6 Prunus avium 'Plena'
- T8 Tilia cordata



T6 - Prunus avium 'Plena'



T8 - Tilia cordata

Public Open Space Trees Mix - Site South Area

- 15% Betula pubescens
- 15% Corylus avellana
- 10% Pinus sylvestris
- 15% Salix cinerea
- 15% Crataegus monogyna
- 10% Ilex aquifolium
- 20% Sorbus aucuparia



POS Tree Mix- Sorbus aucuparia



POS Tree Mix- Betula pendula



POS Tree Mix- Corylus avellana



POS Tree Mix- Pinus sylvestris



POS Tree Mix- Salix alba



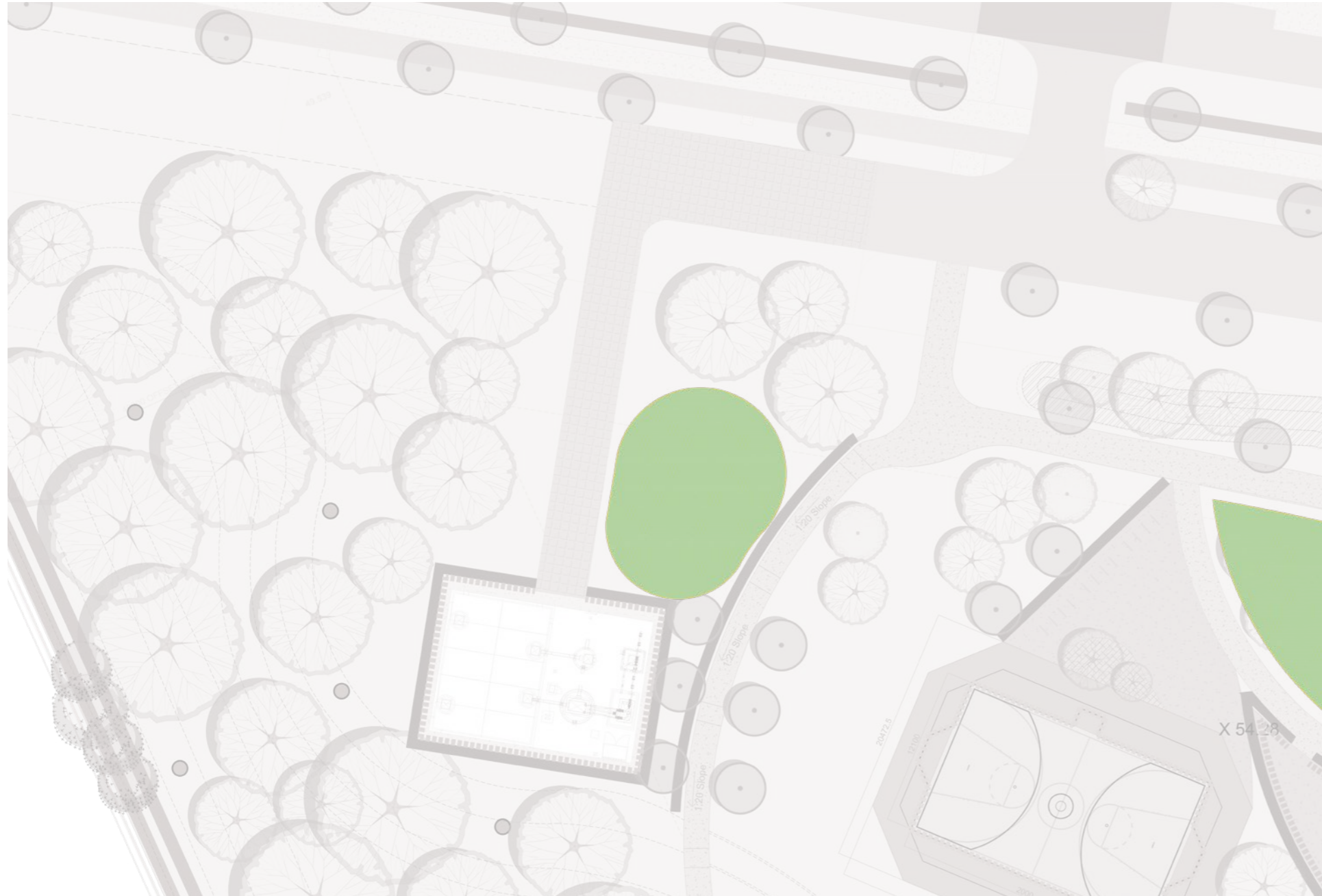
POS Tree Mix- Crataegus monogyna



POS Tree Mix- Ilex aquifolium



PROPOSED WILD FLOWER MEADOW PLANTING



Ribwort Plantain
(Plantago Lanceolata)



Salad Burnet
(Sanguisorba Minor)



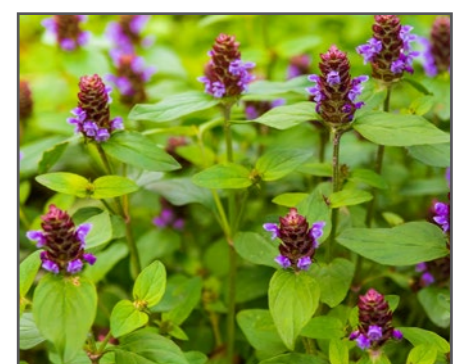
Red Campion
(Silene Dioica)



Wild Red Clover



White Campion
(Silene Alba)



Self Heal
(Prunella Vulgaris)



Musk Mallow
(malva moschata)



Ox Eye Daisy
(Leucanthemum vulgare)



Cornflower
(Centaurea cyanus)



Lesser Knapweed
(Centuarea nigra)

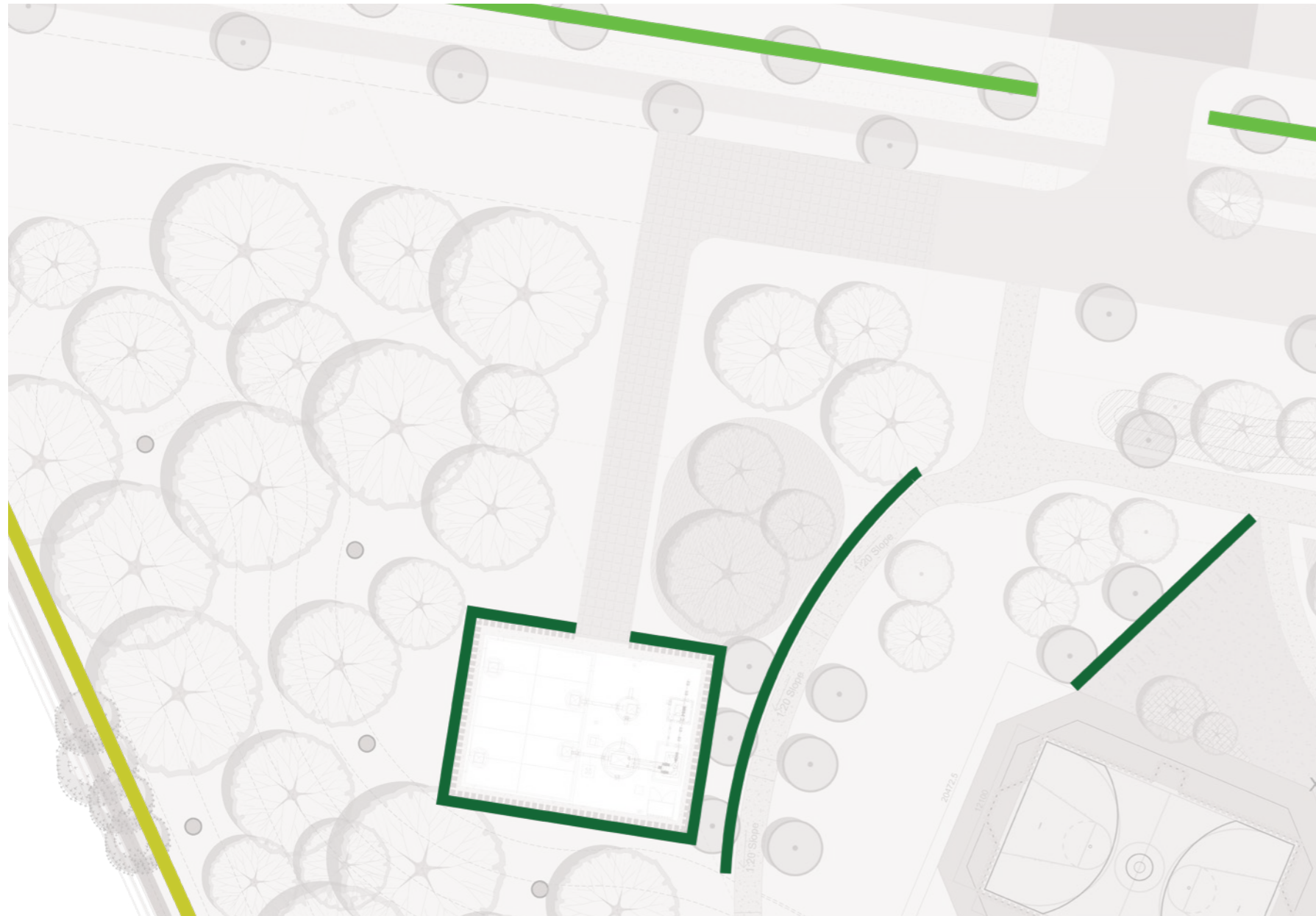





Borage



Corn Poppy
(Papaver Rhoeads)

PROPOSED SHRUB PLANTING



- 
H1 - Proposed Native Hedgerow
 450mm topsoil dept/100cm Double Staggered Row
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H3 - Structural/Defensive Hedgerow
 450mm topsoil dept/100cm Single Staggered Row
 Species Name
Elaeagnus x ebbingei

Proposed Native Hedgerow List

Name	Size
H1 <i>Craetagus monogyna</i>	c/g 2L 40-60cm ht
H1 <i>Prunus spinosa, Ilex aquifolium</i>	c/g 2L 40-60cm ht
H1 <i>Rosa canina</i>	c/g 2L 40-60cm ht
H1 <i>Lonicera periclymenum 'Graham Thomas'</i>	c/g 2L 40-60cm ht

**Species Native to Ireland
^Plants for Pollinators
These plants will provide nectar and pollen for bees and the many other types of pollinating insects.*

Proposed Beech double hedgerow with post & wire fence between the rows

Name	Size
H2 <i>Fagus sylvatica</i>	c/g 2L 40-60cm ht

Proposed Structural/Defensive Hedgerow

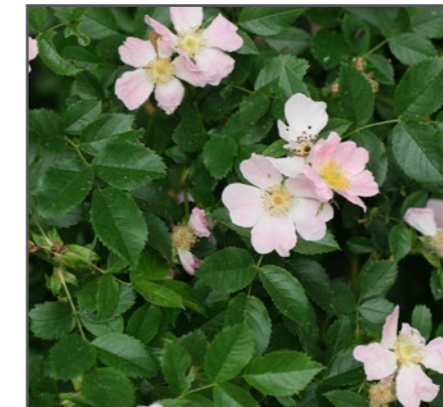
Name	Size
H3 <i>Elaeagnus x ebbingei</i>	c/g 2L 40-60cm ht



H1 - *Craetagus monogyna*



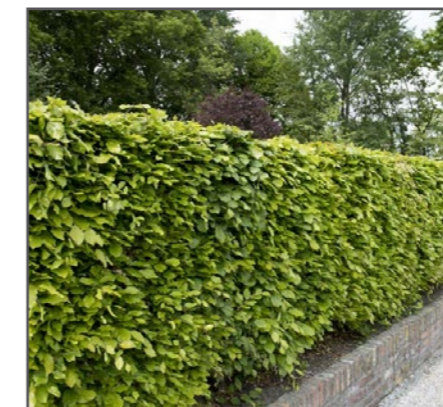
H1 - *Prunus spinosa*



H1 - *Rosa canina*



H1 - *Lonicera periclymenum* Graham Thomas

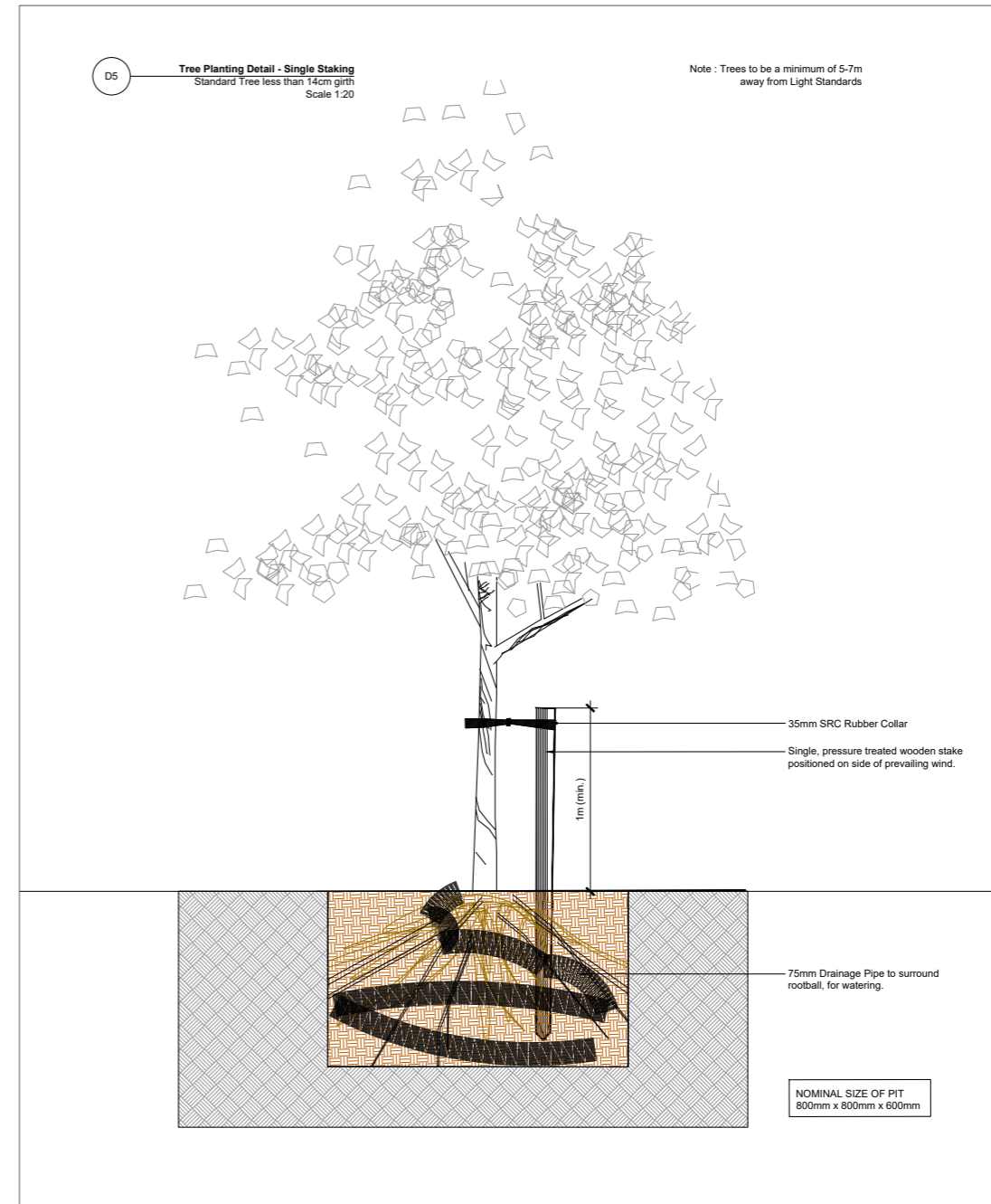
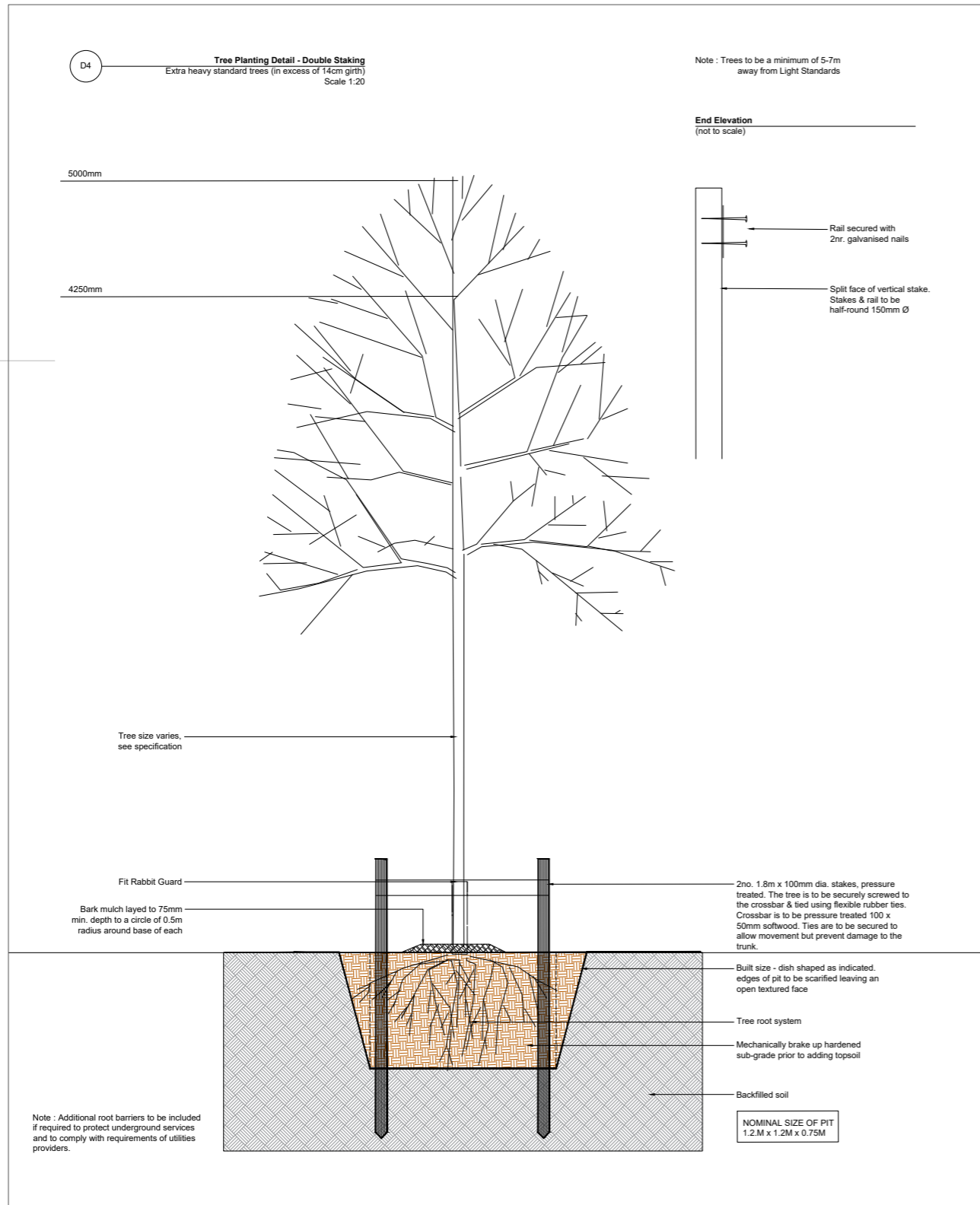


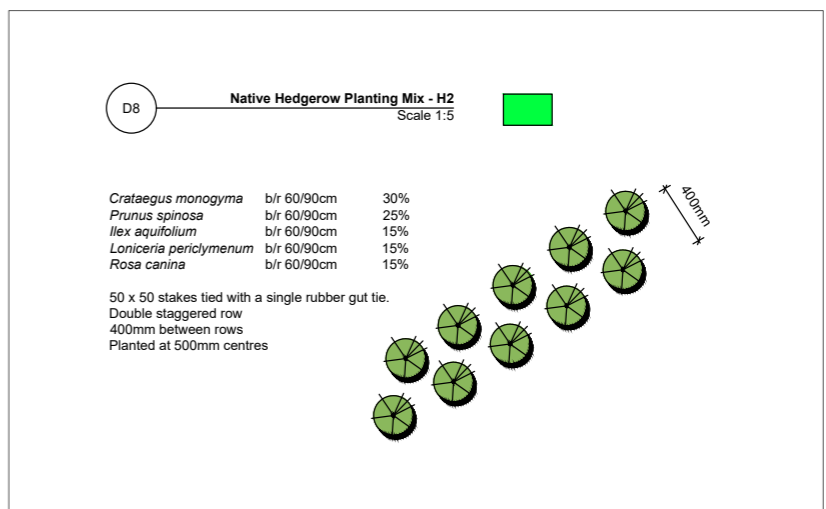
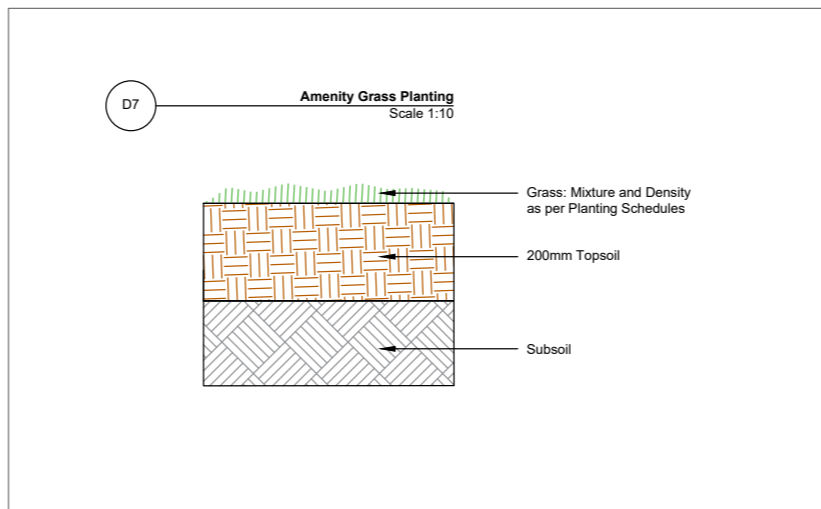
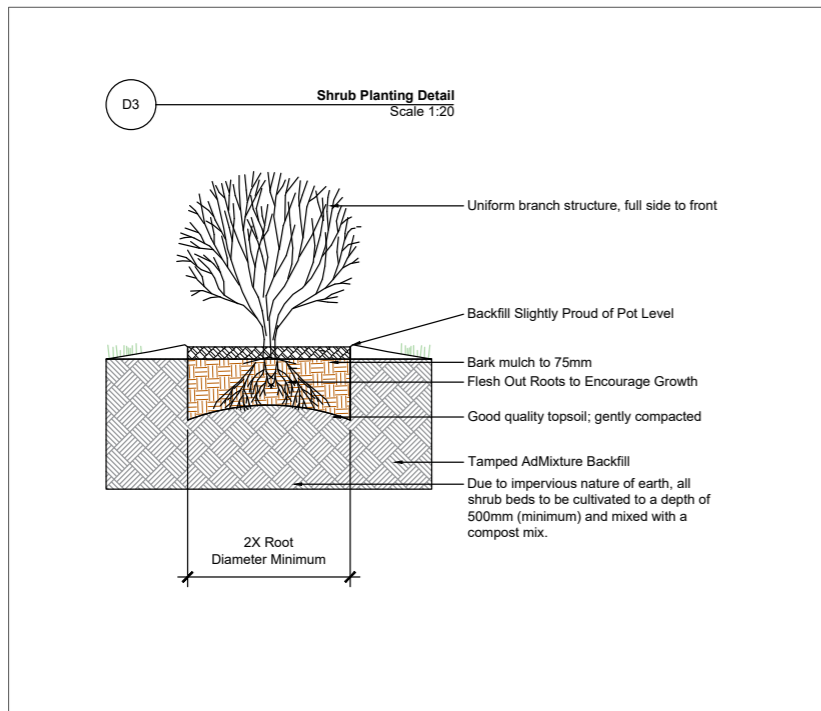
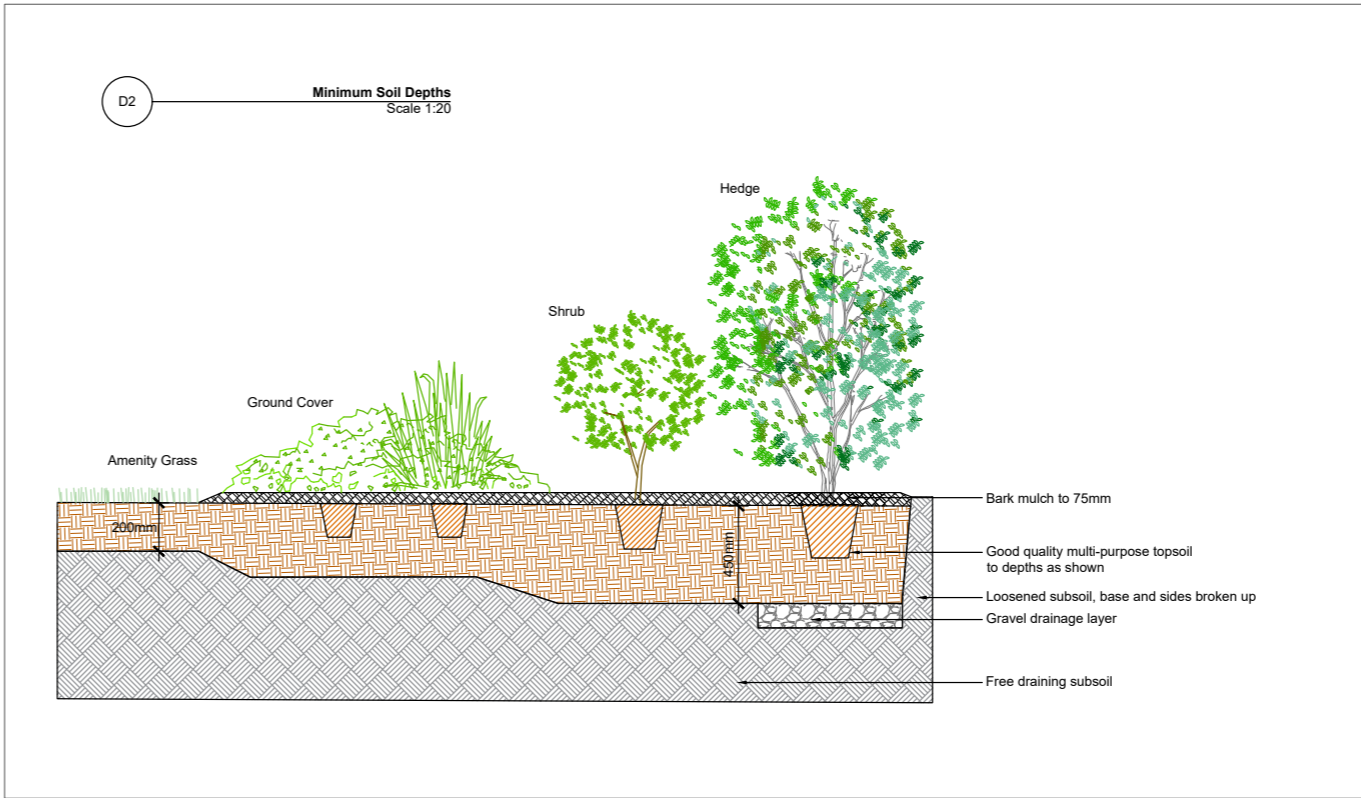
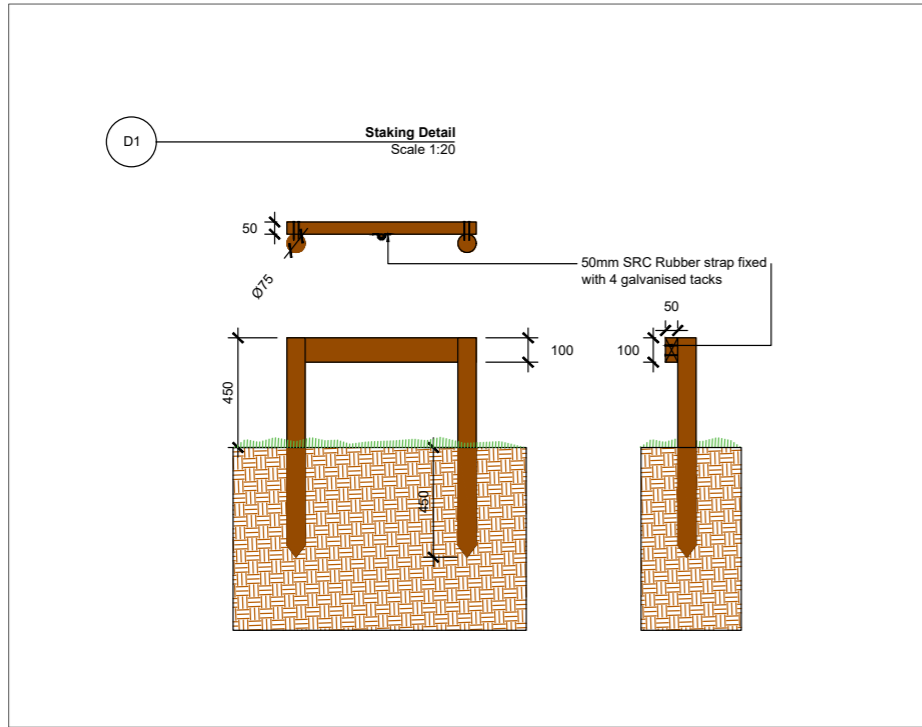
H2 - *Fagus sylvatica*

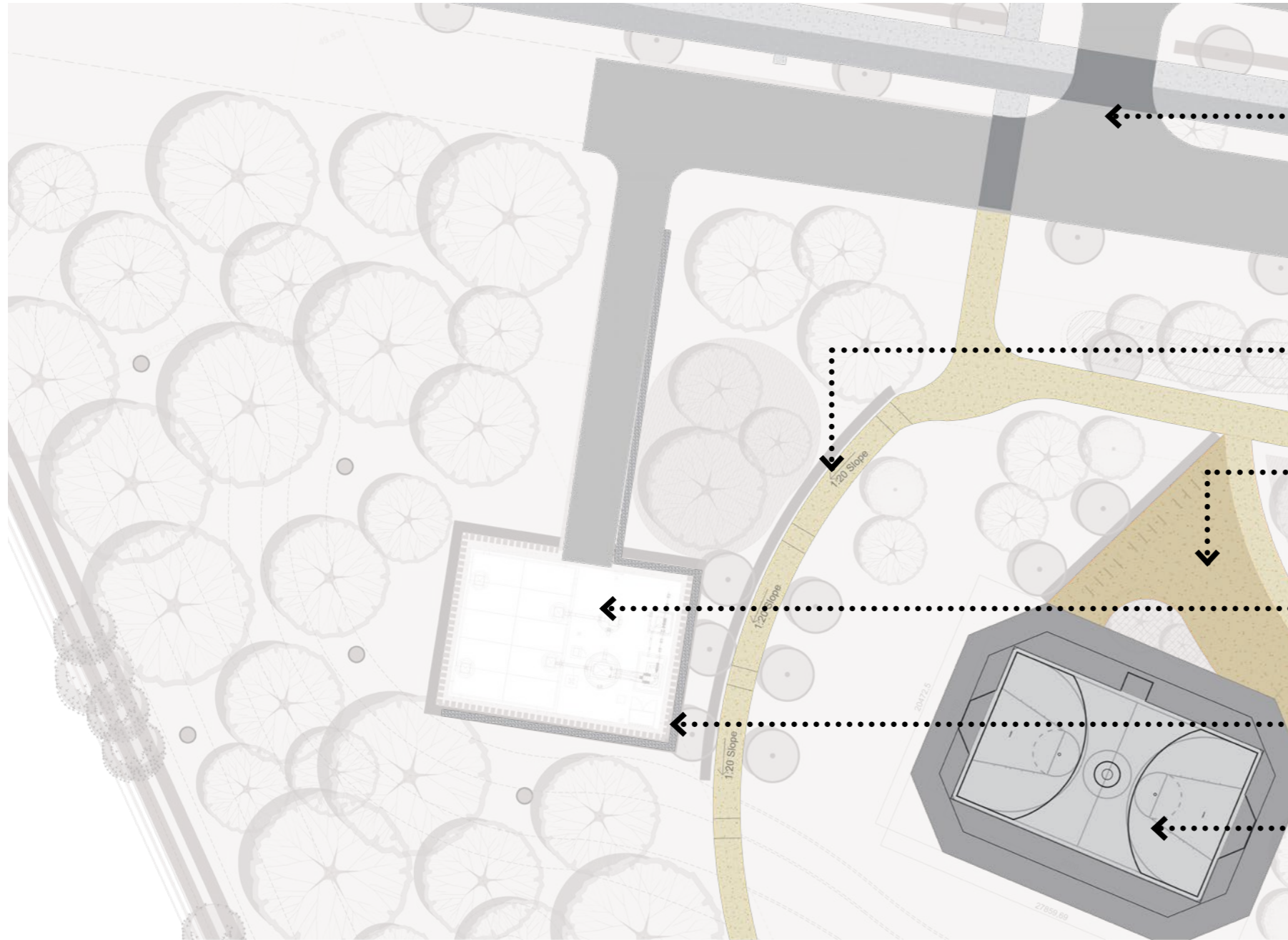









H3 - *Elaeagnus x ebbingei*

5.1 LANDSCAPE DETAILS







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Main Roadway
(to Engineer's Specification)
Tarmacadam or similar approved
-  **Homezone Residential Roadway**
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Tarmacadam with red graphic chipping
or similar approved
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-  **Trail**
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Tarmacadam, colour to be decided
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-  **Soft Play Area**
Wetpour Safety Surface
or similar approved
-  **Stone Filled Filter Drain**
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