LEGEND

SOFT LANDSCAPE

EXISTING TREES & VEGETATION

Existing Trees to be Retained
To be protected in accordance with BS 5837:2012 *'Trees in relation to Design, Demolition and Construction'*

Note: No dig construction to be carried out in any location where construction is within RPA of existing trees. Refer to Arboriculturalist's drawings & reports for further details

PROPOSED PLANTING

Proposed Tree Planting
Size/Spec: Refer to plant schedule for details
Note: Final location of trees to be determined with services alignment.

Proposed Shrub Planting
Product: Container grown plant stock
Size/Spec: Refer to plant schedule for details

Proposed SuDS/Rain Garden Planting
Product: Container grown plant stock
Size/Spec: Refer to plant schedule for details

Proposed Single Species Hedge Planting
Product: Container grown plant stock
Size/Spec: Refer to plant schedule for details

Proposed Climbing Shrub Planting
Size/Spec: Refer to plant schedule
Supplier: Local source to be approved
Note: All batches of species are to be labeled prior to delivery

GT1
Grass Type 1 - Proposed Turf
Product: Rolawn Medallion® Turf
Supplier: Rolawn or similar approved

GT2
Grass Type 2 - Flowering Lawn Mix
Product: WFG20 Eco Species Rich Lawn Mixture
Supplier: Germinal Seeds or similar approved

GT3 / GT3a
Grass Type 3 - Meadow Mixture
Product: EM2 Standard General Purpose Meadow Mixture
Supplier: Emorsgate Seeds
Note: GT3a Closer mowing regime

GT4
Grass Type 4 - Ecological Meadow Mixture
Product: Multiple meadow mixtures to be used that are suitable for the site and location. A wide range of species to be include.
Supplier: Various to be approved

CM
Close mown Path Through Meadow

Plot xxx PG
Private Garden
To be cleared and graded, or cleared and turfed as per developer specification

HARD LANDSCAPE

PAVING TYPE

PT1
Paving Type 1 - Macadam to Carriageway
To Engineer's Specification

PT1a
Paving Type 1a - Macadam to Footpath
To Engineer's Specification

PT2
Paving Type 2 - Block Paving to Retained Building Apron
Colour: Arran Stone
Sizes: 600 x 300 x 80mm
Bond: Stretcher

PT3
Paving Type 3 - Block Paving to Parking Bays
Colour: Arran Stone
Sizes: 200 x 100 x 80mm
Bond: Stretcher

PT4a
Paving Type 4a - Linear Plank Block Paving to Focal Spaces
Colour: Platinum
Sizes: 220 x 55 x 80mm
Bond: Herringbone

PT4b
Paving Type 4b - Linear Plank Block Paving to Apartments
Colour: Carbon
Sizes: 220 x 55 x 80mm
Bond: Stack

PT5a
Paving Type 5a - Block Paving to Streets
Colour: Natural
Sizes: 200 x 100 x 80mm
Bond: Herringbone
To be edged with a double course fo PT7

PT5b
Paving Type 5b - Permeable Block Paving to Streets
Colour: Natural
Sizes: 200 x 100 x 80mm
Bond: Herringbone
To be edged with a double course fo PT7

PT6
Paving Type 6 - Block Paving to Parking Courts
Colour: Bracken
Sizes: 200 x 100 x 80mm
Bond: Herringbone

PT7
Paving Type 7 - Setts to Thresholds
Product: Concrete setts or similar approved
Colour: Silver
Sizes: 100 x 100 x 50mm
Bond: Stack

PT8
Paving Type 8 - Flag Paving to Dwelling Footpaths
Colour: Silver
Sizes: 450 x 450 x 50mm
Bond: Stack

PT9
Paving Type 9 - Coloured Macadam to POS Footpaths
To Engineer's Specification
Colour: Buff

PT10
Paving Type 10 - Safer Surfacing to Play Area
Product: Recycled rubber/ wetpour safety surfacing

PT11
Paving Type 11 - Safer Surfacing to Climbing Wall
Product: Bound material

PT12
Paving Type 12 - Loose Gravel
Size/Colour: Golden
Product: Natural Aggregate

FURNITURE

FT1
Furniture Type 1 - Timber Seat with Backrest

FT2
Furniture Type 2 - Tree Grille to Planting in Focal Square
Product: Metal grille incorporating bespoke art deco detailing
Size: 1200 x 1200mm

FT3
Furniture Type 3 - Tree pit cell system
Product: Deeproot silva cell or similar and approved coordinated with services and drainage runs

EDGING TYPES

ET1
Edging Type 1 - Concrete Kerb with Upstand
Product: Textured Kerb or similar approved
Colour: Silver
Sizes: 145 x 255 x 915mm

ET2
Edging Type 2 - Concrete Kerb Flush
Product: Textured Kerb or similar approved
Colour: Silver
Sizes: 145 x 255 x 915mm

ET3
Edging Type 3 - Raingarden Kerb
Product: Textured Kerb or similar approved
Colour: Silver
Sizes: 125 x 255 x 400mm

ET4
Edging Type 4 - PCC Edging
Product: Standard Edging or similar approved
Colour: Natural
Sizes: 50 x 150 x 914mm

ET5
Edging Type 5 - Block Edging
Product: Concrete blocks laid stretcher course
Colour: To match adjacent paving
Sizes: To match adjacent paving

BOUNDARY TYPES

BT1
Boundary Type 1 - Brick Wall to Dwelling Boundaries
Product: Brick to match dwellings
Height: 1800mm

BT2
Boundary Type 2 - Gabion Retaining Wall
Product: 500mm³ gabion baskets backfilled with site won aggregates and faced with local stone.
Height: to site no higher than 500mm above ground

BT3
Boundary Type 3 - Timber Fencing to Dwelling and Garden Boundaries
Product: Close-boarded timber fence
Height: 1800mm

BT4
Boundary Type 4 - Vertical Metal Railings with Art Deco Detailing
Product: Galvanised black vertical metal railings
Height: 1200mm high

BT5
Boundary Type 5 - Secure Fence to Boundary with Railway
Product: Metal palisade fence
Height: 3000mm high

BT6
Boundary Type 6 - Existing Wall Retained
To be converted into a Climbing Wall

BT7
Boundary Type 7 - Existing Palisade Fence to Railway Boundaries Retained

BT8
Boundary Type 8 - Triple Point Palisade Fence to Pump station
Product: Metal - Powder coated green and gate to match
Height:1800mm high

PLAY EQUIPMENT/FURNITURE

PE01 - Timber Climbing Structure

PE02 - Timber Teepee

PE03 - Timber Log scramble

PE04 - Timber Seesaw

PE05 - Timber Seesaw

PE06 - Accessible Timber Seesaw

PE07 - Slide 2m

PE08 - Timber Hut

PE09 - Timber Turning Bowl

PE10 - Timber Table and Seats

PE11 - Timber Windmills

OTHER

Application Boundary

Site won materials
Material to be used to be approved by landscape architect.

Banking within soft landscape
To indicate slope and terracing.

+141.35
Indicative Spot Level
Spot levels and slope gradients are provided as indicative and will be subject to coordination with Engineer's levels

Notes on drawings

- Installation of play equipment and safety surfacing to be in accordance with Manufacturer's guidelines and all relevant British Safety Standards, including BS EN 1176, BS EN 1177 and BS EN 7188.
- Refer to engineers and specialist drawings and details for lighting, drainage, underground services.
- Final tree location to be fully coordinated with lighting layout, underground service runs and site drainage.
- Requirement for and extent of permeable paving to be confirmed by engineer's design.
- Levels information for the areas of open space in relation to the built form FFL's and retaining walls are to be read in conjunction with Engineer's proposed levels, boundary treatments to be coordinated with Landscape Architects and Engineers Site layout plans.
- Slope profiles to the open space areas are to be as slack as possible considering access for all.

INDICATIVE PLANT SCHEDULE

PROPOSED TREES

Qty.	Species	Girth	Height	Specification
16	Acer campestre	18-20cmg		Advanced Nursery Stock :Clear Stem min. 200cm :RB
6	Alnus glutinosa 'Imperialis'	14-16cmg		Extra Heavy Standard :Clear Stem min. 200cm :RB
15	Betula pendula	Multi-Stem	2.5-3.0m	Multi-Stemmed :3/5 brks :RB
30	Betula pendula	18-20cmg		Extra Heavy Standard :Clear Stem 175-200cm :RB
22	Carpinus betulus	16-18cmg		Advanced Nursery Stock :Clear Stem 175-200cm :RB
23	Corylus avellana	Multi-Stem	2.0-2.5m	Multi-Stemmed :5/7 brks :RB
17	Crataegus monogyna	16-18cmg		Advanced Nursery Stock :Clear Stem 175-200cm :RB
10	Malus sylvestris	16-18cmg		Advanced Nursery Stock :Clear Stem min. 200cm :RB
7	Metasequoia glyptostroboides	18-20cmg		Advanced Nursery Stock :Clear Stem min. 200cm :RB
18	Prunus avium	16-18cmg		Advanced Nursery Stock :Clear Stem 175-200cm :RB
9	Quercus robur	18-20cmg		Advanced Nursery Stock :Clear Stem 175-200cm :RB
20	Sorbus aria	14-16cmg		Extra Heavy Standard :Clear Stem min. 200cm :RB
16	Sorbus aucuparia	16-18cmg		Advanced Nursery Stock :Clear Stem 175-200cm :RB
2	Tilia europaea	18-20cmg		Advanced Nursery Stock :Clear Stem min. 200cm :RB
16	Torminalis glaberrima	16-18cmg		Advanced Nursery Stock :Clear Stem 175-200cm :RB
7	Ulmus 'Lutece'	14-16cmg		Extra Heavy Standard :Clear Stem min. 200cm :RB
Total :234				

PLANTING SCHEDULE

Proposed Hedge Planting

Species	*Size/Spec*	*Condition*	Density
Acer campestre	90-120cm	BR	7/m²
Carpinus betulus	90-120cm	BR	7/m²
Taxus baccata	90-120cm	BR	7/m²

Proposed Native Hedge Planting

Species	*Size/Spec*	*Condition*	Density
Crataegus monogyna	120-150cm	C5	7/m²
Cornus sanguinea	120-150cm	C5	7/m²
Prunus spinosa	120-150cm	C5	7/m²
Rosa canina	120-150cm	C5	7/m²
Ligustrum vulgare	120-150cm	C5	7/m²
Euonymus europaeus	120-150cm	C5	7/m²
Viburnham opulus	120-150cm	C5	7/m²

Proposed Rain Garden Planting

Species	*Size/Spec*	*Condition*	Density
Iris sibirica	90-120cm	C5	Various/m²
Camassia leichtlinii	90-120cm	C5	Various/m²
Actaea 'James Compton'	90-120cm	C5	Various/m²
Astrantia 'Roma'	90-120cm	C5	Various/m²
Veronicastrum 'Erica'	90-120cm	C5	Various/m²
Hesperantha 'Jennifer'	90-120cm	C5	Various/m²
Physostegia virginiana	90-120cm	C5	Various/m²
Deschampsia cespitosa	90-120cm	C5	Various/m²

Proposed Native Shrub Planting

Species	Size/Spec	Condition
Cornus sanguinea	90-120cm	BR
Corylus avellana	90-120cm	BR
Crataegus monogyna	90-120cm	BR
Frangula alnus	90-120cm	BR
Ilex aquifolium	90-120cm	BR
Ligustrum vulgare	90-120cm	BR
Prunus spinosa	90-120cm	BR
Rosa canina	90-120cm	BR
Salix cinerea	90-120cm	BR
Sambucus nigra	90-120cm	BR
Ulex europaeus	90-120cm	BR
Lonicera periclymenum	90-120cm	BR

Proposed Ornamental Shrub Planting

Species	Size/Spec	Condition	Density
Sarcococca confusa	40-60cm	C5	5/m²
Euonymus 'Green Rocket'	40-60cm	C5	5/m²
Mahonia 'Soft Caress'	20-40cm	C5	5/m²
Callicarpa 'Profusion'	90-120cm	C10	2/m²
Rosa × odorata 'Mutabilis'	90-120cm	C10	2/m²
Hydrangea 'Pink Annabelle'	60-80cm	C5	4/m²
Syringa 'Pink Perfume'	90-120cm	C10	2/m²
Ceanothus 'Skylark'	30-40cm	C5	6/m²
Potentilla 'Abbotswood'	30-40cm	C5	5/m²
Sarcococca hookeriana 'Purple Stem'	40-60cm	C5	5/m²
Ceanothus 'Marie Simon'	40-60cm	C5	5/m²
Philadelphus 'Manteau d'Hermine'	40-60cm	C5	5/m²
Viburnum davidii	40-60cm	C5	5/m²

Proposed Herbaceous Planting

Species	Size/Spec	Condition	Density
Hemerocallis altissima	30-50cm	C3	7/m²
Amsonia 'Blue Ice'	30-40cm	C3	7/m²
Scabiosa columbaria subsp. ochroleuca	40-60cm	C3	7/m²
Leucanthemum × superbum	30-40cm	C3	7/m²
Phlomis russeliana	40-60cm	C3	7/m²
Nepeta 'Walker's Low'	30-40cm	C3	7/m²
Bergenia 'Silberlicht'	15-20cm	C3	7/m²
Salvia yangii 'Blue Spire'	40-60cm	C3	7/m²
Salvia nemorosa 'Caradonna'	30-50cm	C3	7/m²
Geranium 'Brookside'	20-30cm	C3	7/m²
Rudbeckia var. deamii	30-50cm	C3	7/m²
Tiarella 'Spring Symphony'	20-30cm	C3	7/m²
Brunnera macrophylla 'Jack Frost'	20-30cm	C3	7/m²
Libertia grandiflora	30-40cm	C3	7/m²

Proposed Ornamental Grasses

Species	Size/Spec	Condition	Density
Calamagrostis brachytricha	30-40cm	C5 Full Pot	7/m²
Deschampsia cespitosa	30-40cm	C5 Full Pot	7/m²
Anemanthele lessoniana	30-40cm	C5 Full Pot	5/m²
Molinia caerule 'Heidebraut'	30-40cm	C5 Full Pot	7/m²
Panicum virgatum 'Shenandoah'	30-40cm	C5 Full Pot	7/m²
Sesleria autumnalis	30-40cm	C3 Full Pot	9/m²

Proposed Ferns

Species	Size/Spec	Condition	Density
Dryopteris affinis	30-40cm	C5 Full Pot	7/m²
Dryopteris filix-mas	30-40cm	C5 Full Pot	7/m²
Polystichum setiferum	30-40cm	C5 Full Pot	7/m²
Asplenium scolopendrium	30-40cm	C5 Full Pot	7/m²

Proposed Bulb Planting

Species	*Size/Spec*	*Condition*	*Density*
Narcissus 'King Alfred'	Top size	Dry Bulb	25/m²
Narcissus 'Thalia'	Top size	Dry Bulb	25/m²
Hyacinthoides non-scripta	Top size	Dry Bulb	25/m²
Galanthus nivalis	Top size	Dry Bulb	25/m²

GENERAL SPECIFICATION NOTES

Proposed Tree Planting: Nursery Stock and Selection
All planting should comply with the requirements specified in BS 3936:1992 'Nursery Stock' (Part One). All nursery stock and trees are to be free of pest and diseases prior to being delivered to site. The Landscape architect reserves the right to reject trees and nursery stock that do not meet specifications as set out in the requirements and guidelines in BS 3936:1992 or in accordance with the landscape architects drawings. If a particular defect or substandard element can be corrected easily, appropriate remedies shall be applied and agreed with the landscape architect. If destructive inspection of a root ball is to be carried out, agreement should be in place prior as to the time and place of inspection. Inspection of shrub roots in containers or rootball can be carried out on site if required.
BS 8545:2014 Trees: from nursery to independence in the landscape, is a new British Standard to assist people involved in resourcing, producing, planting and managing new trees in the landscape. A process for planting young trees that will result in them achieving 'independence in the landscape'. This means that they are healthy and have every chance of survival

Tree Handling
It is recommended that companies that do not have experience with handling large trees or the required equipment to do so seek advice from the landscape architect or tree supplier. Furthermore, specialist hauliers are to be used who will have the correct lifting equipment to deal with unloading large trees.
The landscape contractor must follow the industry guidance method for handling trees. Below are recommended industry standards.

Dormant trees sizes of 12-16cmg:
These can be lifted and unloaded using a root hook and hoist. Even when the tree is dormant it is recommended to wrap the stem in hessian for additional protection when unloading maintaining the lifting weight on the root hooks.

Dormant trees sizes of 18-20cmg - 25-30cmg:
These can be lifted and unloaded using a 3 tonne sling in combination with a chain and root hooks. Even when the tree is dormant it is recommended to wrap the stem in hessian for additional protection when unloading.

Tree Planting
All trees are to be planted in the first available planting season after construction as root balled stock unless otherwise specified and agreed with the client. All tree pits are to be excavated 24 hours prior to delivery to reduce the time the rootball is out of the ground. All tree pits are to be excavated under favourable weather conditions to avoid deterioration of the soil structure and glazing. All excavations are to be carried out using a toothed bucket ensuring tree pit walls are not glazed, the walls of the tree pit can also be loosened with hand held tools.
Tree pit dimensions are subject to soil conditions and rootball size. Tree pits can never be excavated too wide in an unrestricted space (open ground), however they can be too deep. All trees are to be planted at the correct height which is the same depth as the tree was growing on the nursery. The root collar must remain visible. Tree pit sizes are to be agreed with landscape architect prior to excavations. All tree pits are to have suitable irrigation pipe and end cap and aeration tubes if required (aeration tubes tend to be required for trees planted in a hard landscape environment). They are only required for the first two years after which they are superfluous. All irrigation pipes are to be placed as high as possible not at the base of the rootball. The tree would also benefit from an earth reservoir around the rootball on the surface to aid watering. The reservoir is best backfilled with bark mulch to avoid soil glazing on the surface.
Note: Trees may sink after planting due to soil settlement. With sandy soils generally there will be a settlement of 10% and clay soils 20%, this will need to be considered by the landscape contractor when planting and therefore the tree may need to be planted slightly higher to accommodate soil settlement.
Note: Never excavate deeper than the highest water table to ensure organic matter does not come in contact with groundwater resulting in anaerobic digestion within the soil.
All hessian and wire supports around the rootball are to remain in place when planting (in some case it may be required to loosen the hessian and wire). The hessian will quickly decompose. The wire will oxidize and also disappear in the soil eventually.
Trees planted within hard landscape areas are to have tree grilles and guards where specified. Subterraneal cellular product is to be used to ensure the tree has a minimum of 9m3 growing area. Type and manufacture is to be agreed with the client and landscape architect prior to installation.
Trees are to be supported either by high anchoring, low anchoring or underground anchoring systems. The type of anchoring system is to be agreed with the landscape architect and detailed within the specification of works. For trees that are <10-12cmg use 1no untreated softwood stake at min 10cm diameter driven into the ground at least 1m depth (30cm of which must be in undisturbed ground), the stake is to be placed on the side of the prevailing wind. Trees >10-12cmg use 2no untreated softwood stakes at min 10cm diameter driven into the ground at least 1m depth with horizontal bracing bar. Trees >25-30cmg use 3no stakes in a triangle around the tree (1.4m above ground level) with horizontal bracing bars, tree bands are to be secured to the posts with galvanised nails.
Underground anchoring systems are to be used for large compact rootballs or trees within hard landscape with tree grilles to BS 4043:1989 'Recommendations for Transplanting Root-Balled Trees'. The type of anchoring system is to be agreed with the landscape architect. Biodegradable anchoring straps are to be used to ensure the straps do not grow into the trunk.
Note: There are benefits to using low level anchoring as field trials have demonstrated that the tree becomes independent in the ground quicker as a result of the wind rocking the tree that encourages root ground. However, this method is not recommended in exposed conditions or coastal locations due to a greater risk of the trunk breaking.
Ties and stakes are to be checked and adjusted every six months or after periods of strong wind and rain.
All topsoil is to conform to BS 3882:2015 'Multipurpose' or similar approved by an agronomist. The tree pit shall be backfilled with previously prepared topsoil excavated from the pit and additional topsoil as required. All backfilled material is to include an organic slow release fertilizer to ensure there is no adverse affect on soil organisms (Vitax Q4HN) or similar approved at a ratio of 10 -7.5 -10.2 + TE. The second application to be made 10-16 weeks after planting depending on soil type and weather conditions.
Tree pit root barrier are to be installed to all trees within 3m of any underground service routes or within 2.0m of kerb lines & hard surfaces & building foundations. Type of root barrier material is to be agreed with the landscape architect. The landscape contractor is to confirm locations of all services prior to implementation of trees. Prior to installation NJUG specification and requirements are to be referred too.

Guidance for Tree Pit Sizes within Soft Landscape Areas
Final tree pit size will vary dependent on size of rootball, tree stock and soil type.
Below are general guidance sizes only. The landscape contractor is to speak to the grower to obtain exact sizes prior to delivery.

Tree pit size guidelines:

Tree size	Rootball Size	Tree pit size (length, width, depth)
14-16 cmg	50x50cm	80x80x65cm
18-20 cmg	60x60cm	80x80x75cm
20-25 cmg	70x60cm	90x90x75cm

Tree aftercare and pruning
When a tree is lifted/harvested it will lose a percentage of it's root system. As a result the roots are unable to supply the crown with the water demand being placed on the root system which can cause stress to the tree. As a result the tree will respond by reducing the amount of foliage, in some cases when the water storage is great the tree will shed wood from the crown. Watering the tree is important in the first two years after transplanting. In very hot conditions the canopy can dry out even when the rootball is moist simply because there is not enough root development yet. Therefore, the only solution is to reduce the canopy volume to reduce the stress.
All pruning is to be done by removing first and second wood only, all pruning works are to be carried out by appropriately trained landscape contractors.
It is recommended that hessian is placed around the tree stems after planting to prevent the overheating of the trunks.
The flow of water within the bark will normally prevent this, however, after planting less water is transplanted and as a result the trunk is at risk of sunburn. The setting sun will cause the most potential damage. Most of the damage will be visible on the western side of the tree. Trees with smooth bark are more vulnerable to sunburn than trees with rough bark.
Note: This is to only be done as a temporary measure as the tree is establishing, after which the hessian is to be removed.
Monitoring of the trees is to be carried out during the rectification period and as part of the long term management. The following points are to be considered and monitored:

- Watering, trees will require watering for the first two years after planting, after which they will generally look after themselves. The number of times will depend on location, weather conditions and growing season. Therefore, as tree is a growing organisum the required experience and knowledge will determine the number of times the tree is watered to ensure establishment. It is better to give the tree a lot of water once a week rather than water every day as this will encourage root development and prevent the tree becoming "lazy". Over watering will push oxygen away from the root system preventing root development.
- Soil condition, these can be carried out by a specialist to monitor the oxygen levels (that should ideally be 18-21%, 16-18% will be sufficient levels, 12-16% will be poor levels <5% shows acute root mortality). Soil moisture levels both within the rootball and surrounding ground to also be monitored.
- Soil compaction, traffic over planted areas or areas to be planted are to be limited or ideally avoided completely. When soil compaction is higher than 2.5MPa root development will not be possible.
- Canopy, monitor leaf development, size, colour and the amount of foliage that is within the crown. Length of new growth and bud development and size of buds.

Proposed Ornamental Shrub / Perennial Planting
- To be planted in a minimum of 300mm depth approved topsoil to BS 3882: 2015 'Multipurpose' in the first available planting season after construction.
- All shrubs are to be planted as container stock unless otherwise specified (5 or 10 litre), all stock is to be well rooted into the container but not pot bound.
- All shrubs are to be planted with a slow release organic fertilizer (vitax or similar approved) and backfilled with a mixture of excavated top soil and compost (not peat based). A minimum of 50 mm approved ornamental grade bark mulch is to be applied to planting areas unless stated otherwise.

Proposed Hedge Planting
- To be planted in a minimum of 300mm depth approved topsoil to BS 3882: 2015 'Multipurpose' in the first available planting season after construction.
- All shrubs are to be planted as container stock unless otherwise specified (5litre), all stock is to be well rooted into the container. All hedge are to be planted in double staggered rows.
- All shrubs are to be planted with a slow release organic fertilizer (vitax or similar approved) and backfilled with a mixture of excavated top soil and compost (not peat based). A minimum of 50 mm approved ornamental grade bark mulch is to be applied to planting areas unless stated otherwise.

Proposed Climbing Plants
- To be planted in a minimum of 300mm depth approved topsoil to BS 3882:2015 'Multipurpose' in the first available planting season after construction.
- All climbing plants are to be planted as container stock unless otherwise specified, all stock is to be well rooted into the container.
- All climbing plants are to be planted with a slow release organic fertilizer to a N.P.K ratio of 4.5-2.0-7.5+0.8%mg (Vitax or similar approved) and backfilled with a mixture of excavated top soil and compost (not peat based). A minimum of 50mm approved ornamental grade bark mulch is to be applied to planting areas unless stated otherwise.
- All climbers that are not self-supporting are to be supported using vine eyes and plastic coated steel wire, climbers are to be secured using plastic coated clips.

Planting Guidelines
- All planting and landscape operations should comply with the requirements specified in BS 3936-4:2007 'Nursery Stock' (Part One) and BS4428:1989 'Code of Practice for General Landscape Operations' (excluding hard surfaces).
- All trees are to be planted in accordance with BS: 8545:2014 'Trees: from nursery to independence in the landscape'
- All topsoil and testing to conform to BS 3882: 2015 'Specification for Topsoil and Requirements for Use'.
- All fertilizers are to be applied or supervised by qualified staff to avoid the action of plasmolysis.
- Nurseries to provide protocols for ensuring that plant stock is free of invasive species.
- No planting is to be carried out when the site is covered by frost.
- Irrigation of plant material to be carried out during periods of drought will be required to ensure successful establishment of all plant stock.
- All new planting to be protected from mammal grazing by individual guards or stock proof fencing.
- If planting is to be carried out outside the growing season, all bareroot / rootballed plant stock is to be substituted with containerised stock. Specification to be agreed with Landscape Architect prior to ordering and implementation.

Maintenance Notes - Overview
- All landscaped areas are to be maintained for 24 months following practical completion (or other period as instructed) or until the plants have established, all tree planting to be maintained for 36 months (or other period as instructed).
- All planted areas to be kept clear of weeds at all times throughout maintenance period.
- Planted areas to be forked through regularly to keep soil loose and aerated.
- All litter and debris to be removed from landscaped areas and carted off site.
- Plants pruned as instructed by the Landscape Contractor to promote healthy growth and to remove dead and diseased wood.
- Watering as required to maintain healthy growth.
- Any species that dies or fails to establish in the first five years should be replaced by an identical species, or alternative species as agreed with LPA

Additional Notes
- Final location and tree species selection will be subject to service report and foundation depths to be provided by engineers.
- Existing levels to be preserved around existing trees and vegetation to be retained.
- Existing trees and vegetation to be retained are to be protected during construction to BS 5837:2012 'Trees in Relation to Design, Demolition and Conservation Recommendations'.
- Any necessary tree works to be carried out by an approved tree surgeon to BS 3998:2010 'Recommendations for Tree Works'
- Contractors to ensure they are working to the latest British Standards as required.

GRASS SEED MIXES

Species Rich Lawn Seed Mix [GT2]
Product: WFG20 Eco Species Rich Lawn Mixture

Sowing Rate: 10 g/m2
Sowing Time: March - October
Sowing Depth: 10 mm

Description:
The Species Rich Lawn Mixture is a specific mix for Eco Lawns. The mixture suits a range of soil types and mowing regimes, it can be kept neat at approx 50 mm - 75 mm with mowing generally required once every fortnight during the growing season or it can be left to grow long and strimmed just once or twice in a season in May and late August.

An 80:20 mix of grasses & native wildflowers including Black Medick, Common Fumitory and Wild Carrot.

Composition:

%	Common Name	Latin Name
2.0%	Wild Carrot	Daucus carota
0.5%	Common Knapweed	Centaurea nigra
0.4%	Self Heal	Prunella vulgaris
2.0%	Red Clover	Trifolium pratense
2.0%	White Clover	Trifolium repens
1.0%	Ribwort Plantain	Plantago lanceolata
2.0%	Dandelion	Taraxacum officinale
1.0%	Birdsfoot Trefoil	Lotus cornuiculatus
1.0%	Black Medick	Medicago lupulina
1.8%	Flax	Linum usitatissimum
0.1%	Common Fumitory	Fumaria officinalis
0.1%	Cowslip	Primula veris
0.2%	Burnett Saxifrage	Pimpinella saxifrage
1.0%	Lady's Bedstraw	Galium verum
1.0%	Yellow Rattle	Rhinanthus minor
1.8%	Yarrow	Achillea millefolium
0.1%	Hedge Bedstraw	Galium mollugo
2.0%	Common Sorrel	Rumex acetosa
20.0%	Sheeps Fescue	Festuca Ovina
15.0%	Strong Creeping Red Fescue	Festuca rubra rubra
12.5%	Slender Creeping Red Fescue	Festuca rubra litoralis
12.5%	Chewings Fescue	Festuca rubra commutata
10.0%	Smooth Stalked Meadow Grass	Poa pratensis
5.0%	Browntop Bent	Agrostis capillaris
2.5%	Creeping Bent	Agrostis stolonifera
2.5%	Lolium perenne	Lolium perenne

Proposed Meadow Grass Seed Mix [GT3]

Product: Standard General Purpose Meadow Mixture EM2
Suggested Sowing Rates:
40kg/ha 16kg/acre 4g/m2

Description:
This meadow mixture contains species that are characteristic of traditional meadows across a wide range of soil types.

Composition:
Wild flowers – 15%

3.9	Achillea millefolium	Yarrow
0.9	Centurea nigra	Common Knapweed
0.15	Cruciata laevipes	Crosswort
0.45	Daucus carota	Wild Carrot
0.3	Knautia arvensis	Field Scabious
0.75	Leucanthemum vulgare	Oxeye Daisy
2.1	Malva moschata	Musk Mallow
0.12	Medicago lupulina	Black Medick
3.0	Plantago lanceolata	Ribwort Plantain
2.25	Poterium sanguisorba	ssp sanguisorba – Salad Burnet
0.12	Primula veris	Cowslip
0.54	Ranunculus acris	Meadow Buttercup
1.05	Rhinanthus minor	Yellow Rattle
2.25	Silene dioica	Red Campion
0.12	Silene vulgaris	Bladder Campion

Grasses – 85%

8.50	Agrostis capillaris	Common Bent
29.75	Cynosurus cristatus	Crested Dogstail
25.50	Festuca rubra	Red Fescue
4.25	Phleum bertolonii	Smaller Cat's-tail
17.00	Poa pratensis	Smooth-stalked Meadow-grass

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Revision	Date	Reason	Drawn	Checked
P06	08.05.2026	Highways & pump station amendments	gc	afs
P05	26.06.2025	Material surfacing in play area amended to LPA comments	af	afs
P04	17.02.2025	Coordinated with ecologist proposals. Issued for Planning	af	afs
P03	31.01.2025	Issued for Planning	af	sg
P02	27.01.2025	Draft Planning for review	sw/dg	sg
P01	20.12.2024	Issued for client review	afs/sw/af	sg

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Project: Novartis Phase 3
Client: Muse
Drawing Title: Legend, Plant Schedule and General Specification Notes

Purpose of Issue	Drawn By	Checked By	Drawn Scale	Date of First Issue
ISSUED FOR PLANNING APPROVAL	aw/afs	sg	1:200 @ A1	Dec \| 2024

Drawing Number: 17100-FAB-XX-XX-D-L-1000
Revision: P06