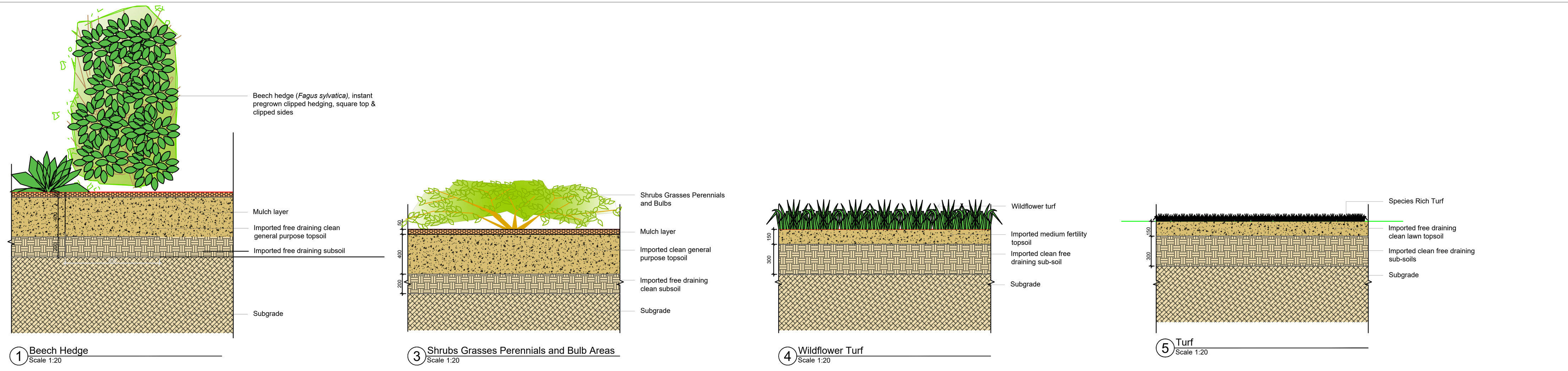
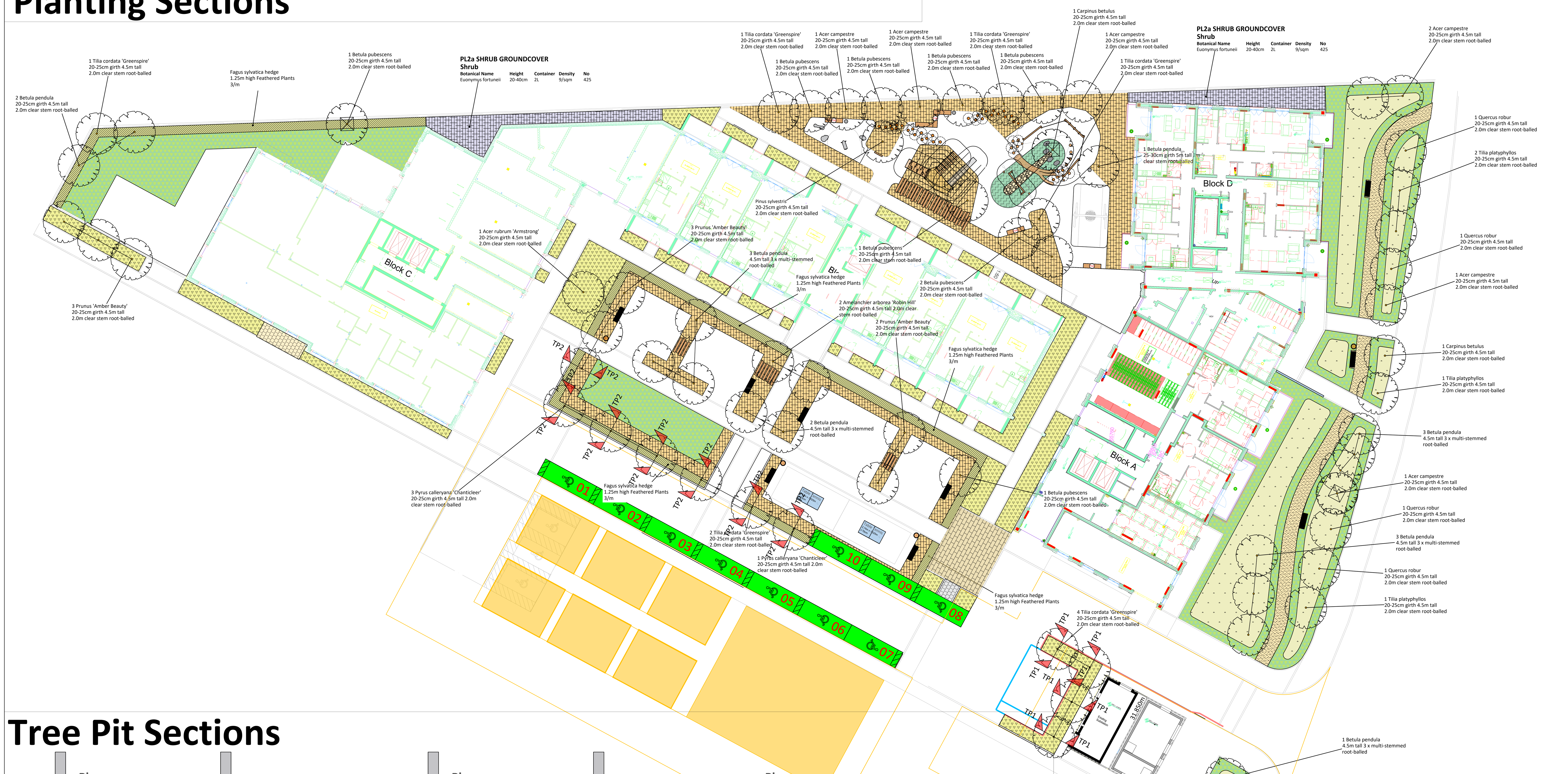
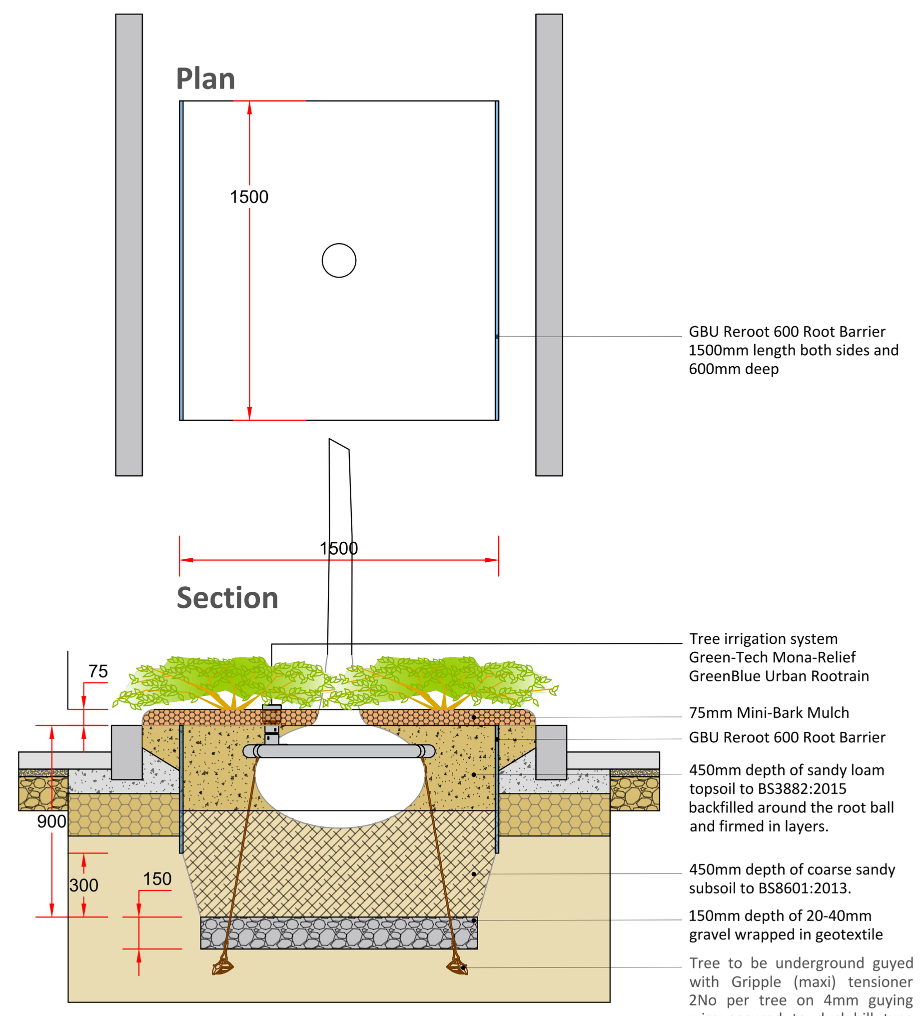


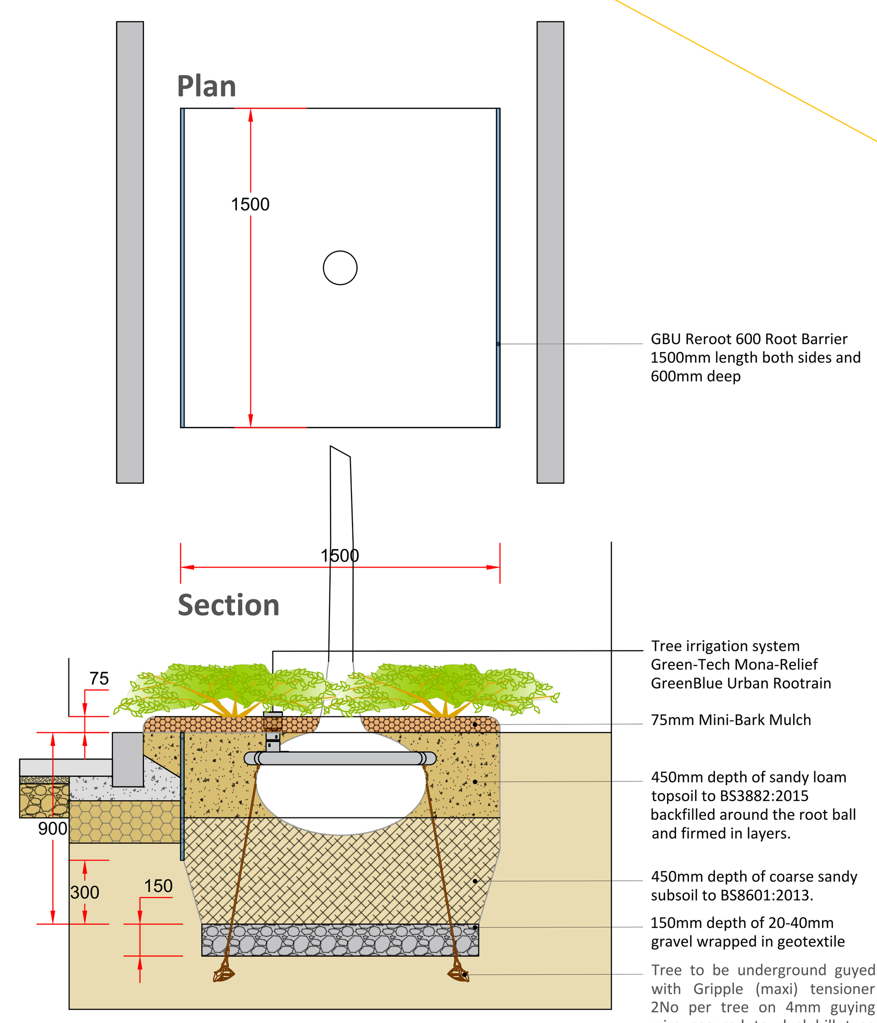
Planting Sections



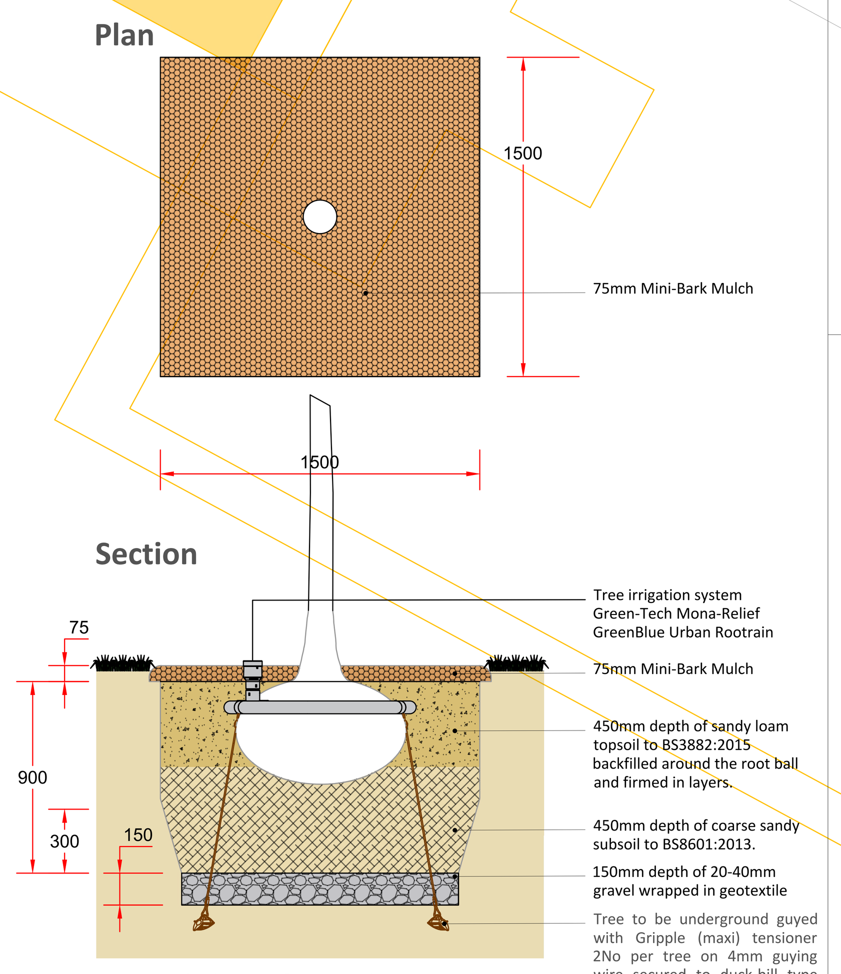
Tree Pit Sections



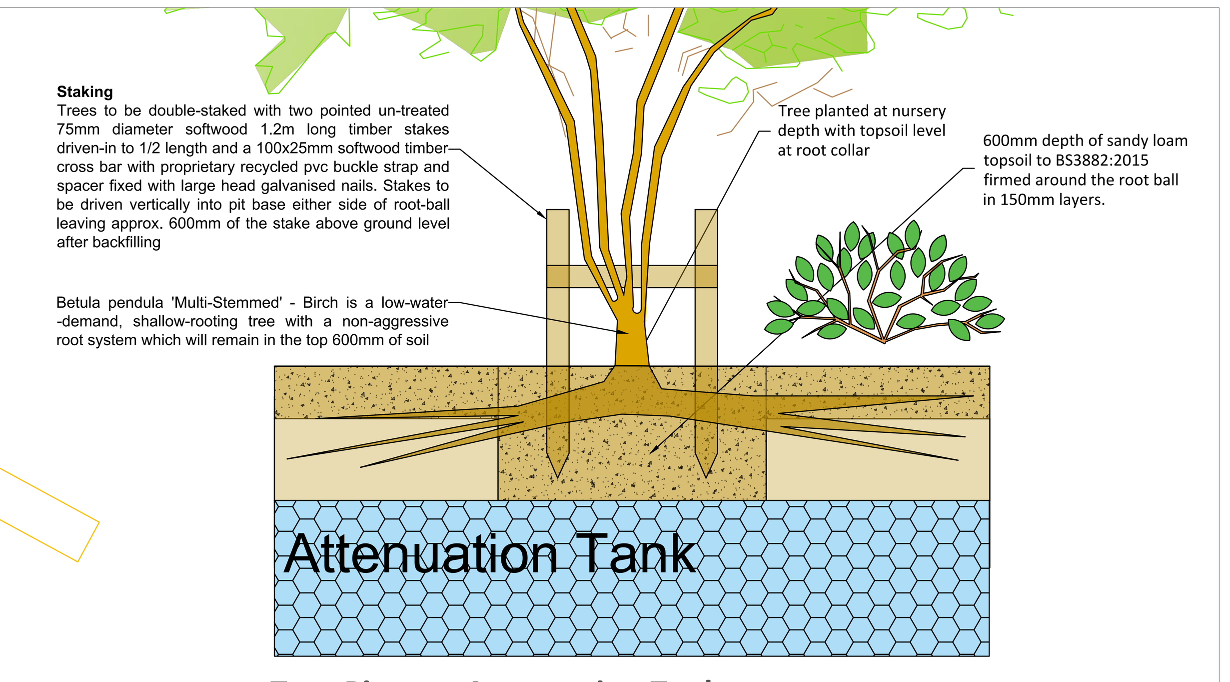
Tree Pit adjacent Hard Landscape
TP1 - Section



Tree Pit adjacent Hard Landscape
TP2 - Section



Tree Pit in Soft Landscape



Tree Pit over Attenuation Tank

PLANTING SCHEDULES

TREES

Botanical Name	Form	Girth	Height	Clear Stem	Root Type	No
Acer campestre	Standard	20-25cm	4.5m	2m	RB	7
Acer rubrum 'Armstrong'	Standard	20-25cm	4.5m	2m	RB	1
Amelanchier arborea 'Robin Hill'	Standard	20-25cm	4.5m	2m	RB	2
Betula pendula	Standard	20-25cm	4.5m	2m	RB	3
Betula pendula	Multi-stem	4.5m			RB	12
Birch is a low-water -demand, shallow-rooting tree with a non-aggressive root system which will remain in the top 600mm of soil						
Betula pubescens	Standard	20-25cm	4.5m	2m	RB	9
Carpinus betulus	Standard	20-25cm	4.5m	2m	RB	3
Quercus robur	Standard	20-25cm	4.5m	2m	RB	4
Pinus sylvestris	Standard	20-25cm	4.5m	2m	RB	1
Pyrus calleryana 'Chanticleer'	Standard	20-25cm	4.5m	2m	RB	4
Prunus 'Amber Beauty'	Standard	20-25cm	4.5m	2m	RB	8
Tilia cordata 'Greenspire'	Standard	20-25cm	4.5m	2m	RB	10
Tilia platyphyllos	Standard	20-25cm	4.5m	2m	RB	5

PL1 HEDGES

Botanical Name	Height	Habit	Root Type	No
Fagus sylvatica	1.25m high	Feathered Hedge Plant	Root Balled	480

PL2 ORNAMENTAL PLANTING FOR PLAY

Shrub and Herbaceous Mix 475m2

Botanical Name	Container	Density	Centers	Group	%	No
Achillea millefolium 'White Beauty'	3L	7/sqm	40cm	3no	5%	166
Anemanthele lessoniana	5L	5/sqm	45cm	3no	6%	142
Calamagrostis acutiflora 'Karl Foerster'	3L	5/sqm	45cm	3no	5%	118
Cornus 'Midwinter Fire'	15L	4/sqm	50cm	3no	4%	76
Deschampsia cespitosa 'Goldtau'	5L	5/sqm	45cm	1no	7%	166
Dierama pulcherrimum	3L	7/sqm	40cm	3no	5%	166
Echinacea pallida	3L	7/sqm	40cm	1no	4%	133
Gaura lindheimeri	3L	7/sqm	40cm	3no	7%	232
Geranium 'Rozanne'	2L	9/sqm	35cm	3no	4%	170
Lavandula angustifolia 'Hidcote'	5L	7/sqm	40cm	1no	5%	166
Libertia grandiflora	3L	7/sqm	40cm	3no	6%	200
Knautia macedonica	3L	9/sqm	35cm	3no	6%	256
Potentilla fruticosa 'Limelight'	15L	4/sqm	50cm	3no	4%	76
Rosmarinus officinalis	5L	7/sqm	40cm	3no	5%	166
Salix rubra 'Nana'	15L	4/sqm	50cm	3no	5%	95
Sesleria autumnalis	5L	5/sqm	45cm	3no	7%	166
Verbena bonariensis 'Lollipop'	2L	9/sqm	35cm	3no	5%	215

Bulbs/Croms/Tubers

Botanical Name	Grade	Density	Centers	Group	%	No
Allium christophii	Top Size	30/sqm	20cm	5-20	30%	4275
Allium nigrum	Top Size	30/sqm	20cm	5-20	40%	5700
Allium sphaerocephalon	Top Size	30/sqm	20cm	5-20	30%	4275

PL2a SHRUB GROUNDCOVER
Shrub

Botanical Name	Height	Container	Density	No
Euonymus fortuneii	20-40cm	2L	9/sqm	850

PL3 PERENNIALS & GRASSES

Shrub and Herbaceous Mix 340m2

Botanical Name	Container	Density	Group	No
Achillea 'Gold Plate'	2L	0.25	5-11	100
Anaphalis 'Summer Snow'	2L	0.5	5-11	200
Artemisia 'Lambrook Silver'	2L	0.1	5-11	40
Aster x frikartii 'Moench'	2L	0.5	5-11	200
Calamagrostis 'Karl Foerster'	2L	0.2	5-11	80
Calamintha 'Blue Cloud'	2L	0.5	5-11	200
Carex secta	2L	0.1	5-11	40
Dianthus carthusianorum	2L	0.75	5-11	300
Echinops 'Veitch's Blue'	2L	0.25	5-11	100
Eupatorium cannabinum plenum	2L	0.1	5-11	40
Gaura lindheimeri	2L	0.5	5-11	200
Kniphofia 'Green Jade'	2L	0.2	5-11	80
Miscanthus 'Flamingo'	2L	0.05	5-11	20
Origanum 'Herrenhausen'	2L	0.5	5-11	200
Perovskia 'Blue Spire'	2L	0.5	5-11	200
Persicaria amplex 'Orange Fields'	2L	0.2	5-11	80
Primula veris	2L	1	5-11	400
Sanguisorba 'Blackthorn'	2L	0.5	5-11	200
Saponaria 'Max Frei'	2L	0.25	5-11	100
Sesleria autumnalis	2L	0.75	5-11	300
Sesleria heufleuriana	2L	0.75	5-11	300
Telekia speciosa	2L	0.05	5-11	20
Tulbhagia violacea	2L	0.25	5-11	100
Veronicastrum 'Adoration'	2L	0.25	5-11	100

PL4 NATIVE WILDFLOWER MEADOW

Turf: Tillers Turf 'Flora Meadow Wildflower Turf' **360M2**

Bulbs/Corms/Tubers 360m2	Size	Density	Centers	Group	%	No
Anemone nemorosa	Top Size	50/sqm	15cm	100-500	20%	3600
Fritillaria meleagris	Top Size	25/sqm	20cm	100-500	10%	900
Galanthus nivalis	Top Size	80/sqm	10cm	100-500	20%	5760
Hyacinthoides non-scripta	Top Size	20/sqm	20cm	100-500	20%	1440
Narcissus pseudonarcissus	Top Size	25/sqm	20cm	100-500	20%	1800
Ornhithogalum pyrenaicum	Top Size	30/sqm	20cm	100-500	10%	1080

PL5 PLAY SWALE SEED MIX 28m2

Botanical Name	%	g/sqm
Wildflower Seeds		
Achillea millefolium	1%	1 g/sqm
Clinopodium vulgare	5%	1 g/sqm
Daucus carota	20%	1 g/sqm
Dipsacus fullonum	10%	1 g/sqm
Knautia arvensis	20%	1 g/sqm
Leontodon hispidus	5%	1 g/sqm
Leucanthemum vulgare	10%	1 g/sqm
Origanum vulgare	5%	1 g/sqm
Primula veris	4%	1 g/sqm
Sanguisorba minor	10%	1 g/sqm
Scabiosa columbaria	10%	1 g/sqm

Grass Seeds
Emorsgate: EG6 – Meadow grass mixture for chalk & limestone soils 3g/m2

Playground to be seeded minimum 5 months before opening of playground and during growing season.

PL6 LAWN

Species Rich Turf - Wildflower Turf WFT-Species-Rich-26 **560m2**

Grasses	
Chewing's Fescue	Festuca rubra subsp. commutate
Sheep's Fescue	Festuca ovina
Common Meadow grass	Poa pratensis
Slender creeping red fescue	Festuca rubra trichophylla
Dwarf cultivar	Lolium perenne
Smaller Cat's Tail	Phleum bertolonii
Flora (Top 10)	
Betony	Stachys officinalis
Birdsfoot Trefoil	Lotus corniculatus
Black medick	Medicago lupulina
Common Knapweed	Centaurea nigra
Common Sorrel	Rumex acetosa
Daisy	Bellis perennis
Lady's Bedstraw	Galium verum

Maintained to a minimum mown height of 50mm.

Specifications/Notes:

Plant Supply

All plants to be supplied in accordance with The Horticultural Trade Association and the National Plant Specification.

All trees to be selected and tagged in nursery by Landscape Architect

All shrubs and herbaceous plants to be inspected in nursery and approved by Landscape Architect prior to delivery to site.

Tree guying

Trees to be underground guyed

Tree underground guying system supplier: Green Blue Urban

Type: ArborGuy Deadman Anchor

Imported Subsoil

Subsoil to be tested in accordance to BS8601:2013 to ensure it has it has a high sand content (at least 65%) with at least 50% of the particles falling into the 'medium' (0.25 -0.5mm) size range and have little to no organic matter present.

Tree root barrier

- Install root barrier for trees next to services, structures and hard surfaces etc.

Supplier: Green Blue Urban Type: ReRoot 1000 Height: 1m Thickness: 1 mm Profile: Ribbed

Tree Pits

600-200mm free draining gravel layer to all tree pits.

Make provision for positive drainage to tree pits where required (perforated drain pipe or vertical monitoring pipes and caps).

Refer to tree planting details and planting plans.

Bark Mulch

Allow for 50mm bark mulch layer to all planted areas

Supplier: Melcourt Industries Ltd

Type: Melcourt pine mini mulch. PH to be between 4.5 and 5.5

Size: Nominal Particle Size Range: 3 - 18 mm

Imported topsoil

All topsoil to be as per the BS 3882:2015 classification for Premium Grade Topsoil

Of medium texture, reasonably free of stones (maximum size in any dimension 50mm) and free from contamination, subsoil, weed seeds and roots and any other foreign matter.

Free from contamination. Samples and full testing required with analysts report and recommendations to be provided in accordance with BS 3882 Annex E.

The Contractor shall ensure that 48 hours' notice is provided to the Client's Representative prior to undertaking the sampling

The samples shall be truly representative of the soil being considered with a declaration of analysis including: Maximum stone content, stone size, pH value, salinity, nutrient content, pH value, particle size analysis and textural classification

Topsoil for Wildflower turf is to be of medium fertily and free of perennial weeds.

Topsoil for Rain gardens to be free-draining bio retention topsoil, such as the Rain Garden soil from Bourne Amenity

LANDSCAPE KEY

- Proposed Tree Position
- Formal Hedge Planting
- Species Rich Turf - 80% Slow Growing Grasses & 20% Native Wildflowers - Maintained to a minimum mown height of 50mm
- PL4 Native Wildflower Meadow Turf
  Tiller's Turf Flora Meadow Wildflower Turf
  with Bulbs, Corms and Tubers as schedule
- PL3 Shrubs, grasses, perennials and bulbs
- PL2 Ornamental Planting for Play Areas
- PL2a Shrub Groundcover
- PL5 Swale Planting Mix
- Swale Gravel Filter Bed

Revisions

Rev P01: 05/10/22 Tender information.
Rev P02: 19/04/23 Layout coordinated with GA Plan
Rev P03: 27/04/23 Tree positions amended to accommodate drainage and M&E services.
Rev P04: 05/06/23 Shyreen Adams' comments addressed.
Rev P05: 07/06/23 Coordination changes.
Rev T01: 12/06/23 TENDER ISSUE
Rev T02: 14/06/23 Nursery garden coordinated with hard landscape.
Rev T03: 19/06/23 Detail added for tree pit over attenuation tank.
Rev T04: 28/06/23 Sub-Station and Generator updated.
Rev T05: 13/07/23 Rain-Garden build up detail altered to standard horticultural profile.
Rev T06: 27/07/23 Tree pit detail adjacent hard surfaces added.
Rev C01: 10/01/24 CONSTRUCTION ISSUE
Rev C02: 23/01/24
Planting schedules amended.
Site layout coordinated with current site plan.
Tree pit design and location clarified.

mca

DURKAN

Kidbrooke Park Road Phase 1

Ground Level Landscape Planting Plan and Sectional Details

1:200/A0 20/04/22 MC

KPR-MCA-SW-DR-L-0002 REV C02