Soft Landscape and Planting Areas

[Ref. PL01] Proposed native species tree

Outline species:
Acer platanoides (Norway maple)

Size and requirements:
Root Barrier
Extra Heavy Standard Tree
Suitable staking / guying and protection
Large sized tree pits in uncompacted planting soil

[Ref. PL02] Proposed mixed species hedge

Outline species:
Ilex aquifolium (Common Holly)
Fagus sylvatica (Common Beech)
Taxus baccata (English Yew)

Size and requirements:
Percentage of mix TBC
300mm topsoil and 600mm subsoil

[Ref. PL06] Amenity Grass

Outline species:
Lolium perenne (Perennial ryegrass)

Size and requirments:
150mm topsoil and 300mm subsoil

[Ref. PL03] Proposed planting mix A

Meadow mix with ornamental grass low-mid height, high proportion of flowering perennials c. 0.3 - 0.6m height. Combination of native and non-native species.

Outline species:
Helictotrichon sempervirens
Molinia caerulea subsp. caerulea 'Poul Petersen'
Festuca glauca 'Elijah Blue'
Centaurea nigra
Rudbeckia 'Goldstrum'
Eryngium bourgatii
Euonymus fortunei 'Harlequin'
Euphorbia palustris
Calluna vulgaris 'Spring Cream'

Size and requirments:
Percentage of mix TBC
300mm topsoil and 300mm subsoil

[Ref. PL04] Proposed planting mix B

Flowering perennials mix with groundcover and low-mid height shrubs, c. 0.2 - 0.6m height. Shade tolerant. Combination of native and non-native species.

Outline species:
Melica uniflora f. albida
Sesleria nitida
Luzula sylvatica
Prunus spinosa
Vinca minor 'Bowles's Variety'
Mahonia aquifolium 'Apollo'

Size and requirments:
Percentage of mix TBC
300mm topsoil and 300mm subsoil

[Ref. PL05] Proposed planting mix C

Small sized flowering perennial and ornamental grass in raised planter.

Outline species:
Molinia caerulea subsp. caerulea 'Poul Petersen'
Festuca glauca 'Elijah Blue'
Rudbeckia 'Goldstrum'
Eryngium bourgatii
Vinca minor 'Bowles's Variety'

Size and requirments:
Percentage of mix TBC
300mm topsoil and 600mm subsoil

Surfacing

[Ref. S01] Bound Surface Course Dense Asphalt Concrete (DAC)

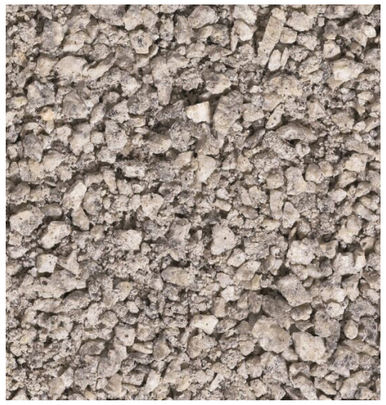
Location: In front of the substation

Surface material: 25mm AC 6 dense surf 100/150

Base: 50mm AC 20 Dense 100/150W
100mm Type 1

Colour: Black to match existing adjacent surfacing

Manufacturer: TBC



[Ref. S02] Proposed Gravel Surfacing

Location: Around the substation

Surface material: **50mm** Footpath Gravel

Colour: Silver

Manufacturer: EDEC® or similar approved

Soft Landscape and Planting Areas

Materials, goods and workmanship shall be the best quality of their respective kinds, and those for which there is a British Standard or Code of Practice shall comply therewith. Planting shall not include species that are poisonous or have thorns. In regard to the timing of Horticultural Works, planting shall be carried out between November and March subject to suitable weather conditions. Bulbs shall be planted during October. Suitable weather conditions shall mean when the ground is moist but not wet and workable. Planting shall be suspended during periods of drought, when soil is frost-bound or waterlogged, during persistent drying cold winds or during any other conditions unfavourable to successful establishment.

Trees, Shrubs & Hedges:

BS 3936 - Part 1 for Feathered trees, Whips and Shrubs - All plants shall comply with this specification and the relevant parts of BS 3936 and shall be to the height and/or spread as detailed. They shall be well grown, bushy, healthy and well established nursery stock of good form, hardy, free from defects, furnished with a fibrous root system exactly true to name as specified. Hedge plants will be planted in two or three staggered rows and kept regularly clipped at the required height.

Origin of Plants, Certification and Labelling:

All plants shall have been obtained from a reputable nursery and grown within the British Isles for at least one growing season if stock of local provenance is not available. The contractor shall provide a Certificate of Local Provenance and confirmation that all plants supplied comply with the specification. Plant samples shall be approved on site by the Landscape Architect prior to planting. In all grass/perennial planting the collection will be tagged with waterproof durable labels as specified by the Landscape Architect.

Tree Support System & Accessories

Tree to include large capacity irrigation system with fixed grid inlet, such as GreenBlue Urban

Tree pits in grass or shrub areas: Size and Construction

Pits shall be 600 mm wider than the diameter of the rootball with a minimum size of 900 x 900 mm. Minimum depth to be 750 mm. Where necessary the depth shall be increased to accommodate the depth of the rootball and to obtain the correct planting level. The bottom of the pit shall be broken-up to 150 mm deep, and the sides scarified with a fork.

Peat Free Tree and Shrub Planting Compost

Documentary evidence of the use of peat free soil materials must be supplied from nursery growers and suppliers for plants that are not soil grown. Organic composted material must be graded 25mm and free from biodegradable material.

Mulch

The mulch shall comprise matured British conifer bark with an even particle size distribution of 15 – 65mm with no dust or fines and less than 5% wood content. The mulch shall be matured for 16 weeks and naturally heat treated where temperatures have exceeded 50 degrees Celsius for a minimum period of 14 continuous days followed by a period of stabilisation. The pH shall be between 4.5 and 5.8. The mulch shall be pest, disease and weed free and free of Methyl Bromide contamination. Samples will be submitted for consideration and approval prior to use on site.

Standards

The project is expected to be carried out with due regard to applicable British Standards relevant to the type of project, construction and materials. (The standards listed below are not exhaustive and the latest publication applies where any standard is superseded).

BS EN 13108-1-2006 - Asphalt Concrete
BS EN 12591 2009 Bitumen and bituminous binders - Specifications for paving grade bitumens
BS EN 12271 2006 Surface dressing - Requirements
BS 594987 2015 Asphalt for roads and other paved areas

BS 3882 2015 Specification for topsoil
BS ISO 11277 Soil quality - Determination of particle size distribution in mineral soil material
BS 3998 2010 Tree Work - Recommendations
BS 3936-1 - Nursery stock Part 1 Specification for trees and shrubs
BS 3936-4 - Nursery Stock Part 4 Specification for Forest Trees, Poplars and willows
BS 3936-9 - Nursery Stock Part 9 Specification for Bulbs, Corms, and Tubers
BS 3936-10 - Nursery stock Part 10 Specification for ground cover plants
BS 4428-1989 R2016 Code of practice for general landscape operations
BS 5837 2012 Trees in relation to design, demolition & construction
BS 8545 2014 Trees from nursery to independence in the landscape – Recommendations