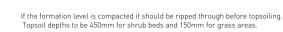
### IMPLEMENTATION AND MAINTENANCE GUIDELINES

1.0 GENERAL All plants shall conform to BS 3936 and be in accordance with the National Plant Specification. Supplying nurseries shall be registered under the HTA Nursery Certification Scheme. All plants shall be packed and transported in accordance with the Code of Practice for Plant Handling as produced by CPSE. Planting shall not be carried out when the ground is waterlogged. frostbound or during periods of cold drying winds. All bare root stock shall be root dipped in an approved water-retaining polymer. Tree planting implementation and maintenance to conform to BS 8545:2014 Trees 'From Nursery to Independence i



### 2.0 ORNAMENTAL SHRUBS AND TREES

the Landscape'.

Ground Preparation Where necessary treat existing weeds with a glyphosate based herbicide and allow a suitable period as recommended by the manufacturer for this to take effect. A general purpose slow release fertiliser at the rate of 75gm/m2 and Tree Planting and Mulching Compost at the rate of 20litres/m2 are to be incorporated into the top 150mm of topsoil during final cultivations. Al extraneous matter such as plastic, wood, metal and stones greater than 50mm in any dimension shall be removed from site. Free pits are to be excavated and the base broken up a further 150mm with the sides well scarified to prevent smearing. All trees up to and including selected standards are to be supported with single 75mm diameter stakes. All rootball, container grown and trees over heavy standard size shall be double staked. Any feature trees semi mature in size to be secured with a

grown and trees over neavy standard size shall be double staked. Any reduce trees semi-induce in size to be secured with a below ground anchoring system (such as a deadman anchor). Stakes should be driven 500mm into undisturbed ground before planting the tree, taking care to avoid underground services and cables etc. Shrubs and hedges are to be set out as shown on the drawing and pit planted into the prepared soil at the specified centres with minimal disturbance to the rootball and well firmed in.

Trees are to be placed into the pits and backfilled with topsoil incorporating slow release fertilizer and Tree Planting and Mulching Compost as specified. Firm trees in well and secure with proprietary rubber tree ties and spacers. Water in all trees and shrubs at the end of each day of planting. Spread ornamental pine bark mulch to a depth of 75mm across all new planting areas, ensuring groundcover plants are not

The landscape contractor shall maintain all areas of new planting for a period of 12 months following practical completion. All stock deemed to be dead, dying or diseased within the defects period shall be replaced by the contractor at his own cost. The site is to be visited monthly throughout the year to undertake the following operations. Weed clearance: All planting areas are to be kept weed free by hand weeding or herbicide treatment.

<u>Titter clearance</u>: All litter is to be removed from planting beds. <u>Watering</u>: Planting areas are to be brought up to field capacity at each visit and each tree is to receive 20 gallons. <u>Checking trees</u>: All tree ties and stakes are to be checked and adjusted if too loose, too tight or if chaffing is occurring. Any broken stakes are to be replaced. <u>Formative pruning</u>: Any damaged shoots/branches are to be pruned back to healthy wood. Plants are to be pruned in accordance with good horticultural practice to maintain healthy well-shaped specimens.. .0 NATIVE SHRUB PLANTING

buried

The extent of the planting area shall be set out using 38x38x1200mm timber stakes at each change in direction and at a maximum of 50m intervals. Either : for notch planting All herbaceous material within the proposed planting area shall be sprayed out using an approved herbicide at least two weeks before planting and the ground shall be cultivated to a depth of 150mm.

or : for pit planting A 900mm diameter circle shall be sprayed out at each planting station using an approved herbicide at least two weeks before planting. Planting

# All bare rooted stock is to be root dipped in water retaining polymer. Proposed planting is to be planted on an informal grid. To avoid straight lines each planting station can be moved by up to 300mm in any direction. Either a for shelters or b for rabbit fence a. All stock to be protected from rabbit damage using approved proprietory tree and shrub shelters, 900mm and 600mm high respectively, secured with stakes and ties as advised by the manufacturer. b. All stock to be protected from rabbit damage by 900mm high rabbit fencing erected in accordance with the manufacturers

recommendations. Maintenance Using approved herbicides a 900mm diameter circle centered on each planting station shall be kept weed free throughout the

### maintenance period. Each Autumn after planting and until handover to the adopting authority, the contractor will prepare a list of all plants which are dead, dying or diseased and will replace these during the following planting season.

4.0 NATIVE HEDGE PLANTING

- The hedge line shall be set out using 38x38x1200 stakes at maximum 50m intervals and all herbaceous material within 400mm of the centre line shall be sprayed out using an approved herbicide at least two weeks before planting.
- The 800mm wide hedge line shall be cultivated to 150mm incorporating Enmag or equal at 75gm/m2.
- Plants shall be notch planted in two rows 250mm apart and staggered at 300mm centres. All plants are to be protected with a 600mm proprietary shelter secured with a stake/cane and ties as recommended by the manufacturer. Maintenance
- Using approved herbicides a 800mm wide swathe centred on the hedgeline shall be kept weed free throughout the maintenance period. Each Autumn after planting and until handover to the adopting authority, the contractor will prepare a list of all plants which are dead, dying or diseased and will replace these plants during the following planting season.
- 5.0 GRASS
- The area to be seeded shall be sprayed out with a glyphosate herbicide and cultivated to a depth of 100mm removing all weeds. debris and stones over 25mm diameter. The surface shall be raked to smooth flowing contours with a fine tilth, incorporating pre-seeding fertiliser at 70 g/m2.

Turfing operations shall be in accordance with BS 4428. Whole turves shall be laid around the perimeter of the area to be turfed. The central area shall be laid in rows with staggered joints, well butted together, working from planks positioned on turves already laid. The turf shall be watered on completion. Any unevenness shall be made good by lifting the turf and adjusting the levels. Should shrinkage occur, fine topsoil shall be

brushed into the joints.

- Grass seed shall be sown in April during calm weather and not when the ground is frost bound or waterlogged. Seed shall be sown in two equal sowings in transverse directions at 35 g/m2. After sowing the contractor shall lightly rake the seed into intimate contact with the soil. All seed mixes to be specified in accordance with those set out in the approved management plan. .4 Initial cut
- When newly seeded areas reach 50mm they should be cut back to a height of 30mm and then cut twice annually in early Spring and late Summer. All arisings shall be removed or spread evenly across grassland. Any bare patches shall be made good at this time. 6.0 TOPSOIL

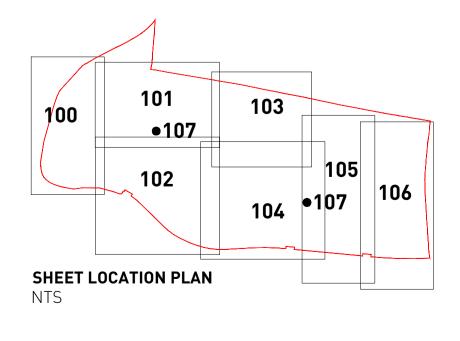
Existing Topsoil Pre-planting herbicide application:-Apply by suitable spraying apparatus, an approved translocated systemic herbicide to the manufacturer's instructions and to 1997 Control of Pesticides Regulations and 2002 COSHH regulations on all beds, except those which are both weed free and are to receive agrotextile sheet mulch. Spray immediately if any weeds are present. If none are showing, but there may be a delay before planting, or the area is to be seeded, spray after one month following cultivation, to allow dornant seed to terminate. All spraying shall be carried out by skilled and qualified operatives, using protective clothing, in suitable weather (no wind) and any damage caused by spray drift, from incorrect usage or spillage, shall be rectified at the contractor's own cost. Repeat as necessary to ensure complete kill and rake off all dead material from site.

arry out the following works to the existing topsoil on site to ensure it Conforms to BS 3882:2015, being free from rocks larger Carry out the following works to the existing topsol on site to ensure it Conforms to BS 362/2015, being free from rocks larger than 50mm diameter, concrete, all roots, wire, brick, and have less than 20% clay. Allow for pre-application of herbicide as above. Fertilize with 100g per metre square of Vitax "Nutricote 180" slow release fertilizer, in accordance with the manufacturer's instructions. For beds less than 5 metres in width, fork over thoroughly or machine rotavate soil to a depth of 300mm, ensuring that the subgrade and topsoil are completely broken up and free draining, relieving any compaction. For beds greater than 5 metres in width, break up the subgrade and topsoil using a tractor mounted subsoiler or ripper at 500mm centres to a depth of 500mm, except where there are services, or within 10 metres of tree stems or 3 metres of existing bedress. hedges. Do not rip areas where roots greater than 10mm diameter are encountered.

Imported Topsoil Any imported topsoil for making up ground, shall conform to BS:3882:2015, and be free from rocks (over 50mm diameter). concrete, roots, wire and brick, and have less 20% clay. 7.0 WILDFLOWER AND GRASSLAND MIX

## Preparation

- Grass seed mixtures to be sourced from certified local provenance seed stock. Ground surface will be cleared of weed grow either removed by hand or through the application of an approved Biyphosate based herbicide (all herbicides should only be handled by certified users and in accordance with the COSHH Regulations 2002). The ground will them be ploughed and raked to produce a medium tilth with debris and stones over 25mm diameter reonved. The surface shall be raked to smooth flowing contours with a fine to medium tilth
- Meadow and wildflower seed mixes shall be sown in either August -September or March -April during calm weather and not when the ground is frost bound or waterlogged. Seed shall be sown in two equal sowings in transverse directions at 4 or 5 g/m2, according to supplier's recommendations. After sowing the contractor shall roll the seed into intimate contact with the soil with a ribbed Cambridge roller. First vear maintenance
- All litter should be removed from areas prior to mowing. The following procedures should not be undertaken in adverse weather conditions or if ground conditions prevent the use of machinery without damage to the ground surface. Mow regularly throughout the first year of establishment to encourage basal growth and reduce weed competition. All arisings shall be removed or deposited in an area designated by the Contracts Manager. Any bare patches shall be made good at this time.
- Second and subsequent year maintenance Management of subsequent years comprises a single Autumn cut in September or October to allow plants to set seed Arisings shall be left for a minimum of 24 hours and a maximum of 7 days before being removed or relocated to an area identified by the Contracts Manager



KEY

Site boundary

Existing trees and vegetation to be retained

Existing trees and vegetation to be removed

Soft Landscape Proposals Refer to plant schedule for details.

## Proposed tree root barrier locations

Reroot 600 linear protection, supplied by GreenBlue Urban or similar approved. Any trees within 2m of services to be reroot 1000 linear protection. Exact location and specification subject to be reviewed by engineers and to be agreed with the site engineer.



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Bench seating specification.

Tamacadam foorpath

Гатасаdam footpath with pcc edging.

Ref: BX17 40001T 'Roslin Bench' steel framed timber slat version, as supplied by Broxap or similar approved. Bench to be installed with submerged fixing set in concrete footings to manufacturers

## PLANT SCHEDULE

|   | PROPOSED THESABBRSPECIESCOMMON NAMESUPPLYHEIGHTICMGIRTHOTY INo.]ACECAMAcer campestreCommon MapleEHStd350-425cm14-16cm9 -ACECAMEAcer campestreElmono MapleEHStd350-425cm14-16cm5 -ACEPLQAcer platanoides 'Emerald Queen' Emerald Queen MapleEHStd350-425cm14-16cm7 -ALNGLAlnus glutinosaCommon AlderEHStd350-425cm14-16cm12 -AMLAAmelanchier lamarkiiSnowy MesipilusMulti-stem20-250cm14-16cm13 -BETNBetula nigraRiver BirchEHStd350-425cm14-16cm13 -BETPEBetula villis JacquemontiiHimalayan BirchEHStd350-425cm14-16cm8 -CARBETFFCarpinus betulus 'Frans Fontaine'Hornbeam 'Frans Fontaine'EHStd350-425cm14-16cm8 -CRARRcrategus prunifoliaPlum-leaf ThornEHStd350-425cm14-16cm17 -PRUBADAPrunus 'Sunset BoulevardFlowering Pear 'Chanticleer'SM400-500cm18-20cm4 -PRURANAPrunus 'Sunset BoulevardFlowering Pear 'Chanticleer'SM400-500cm18-20cm2 -PYRCACHPyrus calleryana 'Chanticleer'Flowering Pear 'Chanticleer'SM400-500cm18-20cm2 -PRURANAPrunus 'Sunset BoulevardFlowering Pear 'Chanticleer'SM400-500cm18-20cm2 -PYRCACH <td< th=""></td<>  |
|---|--|
|   | PROPOSED CONIFER TREES<br>ABBR SPECIES COMMON NAME SUPPLY HEIGHT (CM) GIRTH QTY (No.)<br>CEAT Cedrus atlantica 'Glauca' Atlas cedar 70-90L 175-200cm 3 -<br>PINSY Pinus sylvestris Scotch pine 70-90L 175-200cm 6 -<br>Total :9 -  |
|   | PROPOSED SPECIMEN SHRUBS & CLIMBERS         ABBR       SPECIES       SUPPLY       HEIGHT (CM)       HABIT       CENTRES       QTY (No.)         HYDGRAA       Hydrangea paniculata 'Grandiflora'       25L       60-80cm       Bushy       Counted 5       -         MAGSU       Magnolia 'Susan'       70L       100-125cm       Bushy       Counted 5       -         PHOJE       Phormium 'Jester'       25L       100-125cm       Triple       Crown       Counted 8       -         PHOSU       Phormium 'Sundowner'       25L       100-125cm       Triple       Crown       Counted 7       -   |
|   | PROPOSED HEDGEROWS<br>ABBR SPECIES SUPPLY HEIGHT (CM) HABIT CENTRES (M) QTY (No.)<br>LIGVU Ligustrum vulgare 10L 60-80cm Bushy 0.4Ctr 989 -<br>PRULAOL Prunus laurocerasus 'Otto Luyken' 10L 60-80cm Bushy 0.5Ctr 954 -<br>PRULU Prunus lusitanica 10L 80-100cm Bushy 0.5Ctr 803 -   |
|   | PROPOSED INDIVIDUAL SHRUBS         ABBR       SPECIES       SUPPLY       HEIGHT (CM)       HABIT       CENTRES (M)       QTY (No.)         HEBALRE       Hebe       albicans       Red       Edge'       10L       30-40cm       0.5Ctr       395 -         HEBMW       Hebe       Mrs       Winder'       10L       30-40cm       Bushy 0.7Ctr       129 -         LAVANHI       Lavandula angustifolia       'Hidcote'       10L       30-40cm       Bushy 0.7Ctr       208 -         LONNIMG       Lonicera nitida 'May Green'       10L       40-60cm       Bushy 0.7Ctr       224 -         PACTE       Pachysandra terminalis       3L       15-20cm       Bushy 0.5Ctr       118 -  |
|   | PROPOSED INDIVIDUAL GRASSES<br>ABBR SPECIES SUPPLY HABIT CENTRES (M) QTY (No.)<br>FESGLEB Festuca glauca 'Elijah Blue' 5L Full Pot 0.7Ctr 263 —  |
|   | PROPOSED ORNAMENTAL SHRUB MXES         SUPPLY HEIGHT ICMI         HABIT         CENTRES IMI         OTY INAL         PLANT TO FROM           LARGE ORN MIX 10L         CAUCA         Aucuba japonica         10L         60-80cm         Branched         0.7Ctr         263 –           LARGE ORN MIX 10L         ELAMACA         Elaeagonus pungens         Maculata'         10L         60-80cm         Bushy         0.7Ctr         263 –           LARGE ORN MIX 10L         ELAMACA         Elaeagonus pungens         Maculata'         10L         60-80cm         Bushy         0.7Ctr         283 –           LOW MIX A         CEDTENE Cenonymus fortunel 'Emerald 'n Gold' 3L         30-40cm         Bushy         0.7Ctr         48 –           LOW MIX A         HEUDFOENE Euroymus fortunel 'Emerald 'n Gold' 3L         30-40cm         Bushy         0.7Ctr         48 –           LOW MIX A         HEADE playidiai         Suthernandi'         3L         30-40cm         Bushy         0.7Ctr         48 –           LOW MIX A         BECRTHAU         Berberis thunbergi' Aurea'         5L         30-40cm         Bushy         0.7Ctr         87 –         Yes           PARKING MIX A         ESCLAGB         Esculania terminalis         3L         40-60cm         Bushy         0.7Ctr  |
|   | PROPOSED MARGINAL PLANTING<br>MIX NAME ABB SPECIES SUPPLY HABIT CENTRES (M) MIX % 0TY (No.)<br>MARGINAL MIX 3 CARPR Cardamine pratensis 7cm Plug plant 7/m <sup>2</sup> 20% 611 –<br>MARGINAL MIX 3 CARPS Carex pseudocyperus 7cm Plug plant 7/m <sup>2</sup> 10% 311 –<br>MARGINAL MIX 3 CARRI Carex riparia 7cm Plug plant 7/m <sup>2</sup> 10% 311 –<br>MARGINAL MIX 3 IRIPS Iris pseudacorus 1L Full pot 7/m <sup>2</sup> 20% 611 –<br>MARGINAL MIX 3 LYCFL Lychnis flos-cuculi 7cm Plug plant 7/m <sup>2</sup> 15% 461 –<br>MARGINAL MIX 3 PERAM Persicaria amphibia 7cm Plug plant 7/m <sup>2</sup> 15% 461 –  |
|   | PROPOSED BULBS         MIX NAME       ABBR       SPECIES       COMMON NAME       HABIT       CENTRES (M)       MIX % AREA       QTY (No.)         BULB       MIX C CROGY       Crocus' Golden Yellow'       Dutch Crocus       Bulb       100/m²       16.6%       37.1643m²       3720 -         BULB       MIX C CROJDA       Crocus' Jeanne D'Arc'       Dutch Crocus       Bulb       100/m²       16.6%       37.1643m²       3720 -         BULB       MIX C CROQB       Crocus' Jeanne D'Arc'       Dutch Crocus       Bulb       100/m²       16.6%       37.1643m²       3720 -         BULB       MIX C CROQB       Crocus' Queen of the Blues' Dutch Crocus       Bulb       100/m²       16.6%       37.1643m²       3720 -         BULB       MIX C CROQB       Crocus' Queen of the Blues' Dutch Crocus       Bulb       100/m²       16.6%       37.1643m²       3720 -         BULB       MIX C NARCA       Narcissus 'Canaliculatus'       Dwarf Daffodils       Bulb       60/m²       16.8%       37.6121m²       2260 -         BULB       MIX C NARJF       Narcissus 'Jet Fire'       Dwarf Daffodil       Bulb       60/m²       16.6%       37.1643m²       2237 -         BULB       MIX C NARJF       Narcissus 'Jet Fire'   |
| ] | PROPOSED LAWN TURF (or similar approved)<br>MIX NAME SEED MIX SUPPLIER AREA<br>Medalion Turf Rolawn Limited 3543.035m <sup>2</sup><br>PROPOSED AMENITY SEED MIX (or similar approved)  |
|   | MIX NAME SEED MIX SUPPLIER AREA DENSITY<br>A22 (Low Maintenance) Amenity Germinal GB Limited 2801.1511m <sup>2</sup> 50g/m <sup>2</sup><br>PROPOSED WILDFLOWER MEADOW (or similar approved)<br>MIX NAME SEED MIX SUPPLIER AREA DENSITY   |
| 1 | EM3 – Special Gen. Purpose Meadow Emorsgate Seeds 257.8847m² 4g/m²<br>PROPOSED WETLAND WILDFLOWER MEADOW (or similar approved)<br>MIX NAME SEED MIX SUPPLIER AREA DENSITY  |
|   | EM8 - Meadow Mix for Wetlands Emorsgate Seeds 3888.7698m <sup>2</sup> 4g/m <sup>2</sup><br>PROPOSED HEDGEROW EDGE MEADOW MIX (or similar approved)<br>MIX NAME SEED MIX SUPPLIER AREA DENSITY<br>EH1 - HEDGEROW MIXTURE Emorsgate Seeds 133.4728m <sup>2</sup> 4g/m <sup>2</sup>   |
| 1 | <text><list-item><list-item><ul> <li>NOTES</li> <li>Matter shrubs the shrubs, simbers, shrubs and hedgerows to be planted in accordance with the imperentation and mintenance guidelines. <u>All landscape proposals must be referred</u>, shrubs and hedgerow species, size or location should be altered without prior approval for a species withio mamental shrub mixes to be planted in groups of 14.</li> <li>Midual shrub/hedgerow species, size or location should be altered without prior approval for a species withio mamental shrub mixes to be planted in groups of 24.</li> <li>Midual shrub/hedgerow shrubs to be supplied as bareroot stock unless tabe planted in groups of 24.</li> <li>Mike badgerow shrubs to be supplied as bareroot stock unless tabe.</li> <li>Mike hedgerow shrubs to be supplied as bareroot stock unless tabe planted in groups of 24.</li> <li>Mike hedgerow shrubs to be planted on a double taggered forw, 250m may at with insistenance guidelines. Any feathered stock is to have a urgifut central stern furnished with a 80 chom high lence using a species witho and one fort ransplant stock at dom high lence down the full lence support lance using a species within ado ne fort ransplant stock at dom high due to a double taggered forw, 250m approxed cip ties and cu back to 1.2m in height at time of planting.</li> <li>Minten to be in accordance with the implementation and maintenance guidelines. Say feathered stock is to form planting.</li> <li>Minten to be in accordance with the implementation and maintenance guidelines. Say feathered stock is to form planting.</li> <li>Minten to be in accordance with the implementation and maintenance guideline.</li> <li>Minten to be in accordance with the implementation and maintenance guidelines.</li> <li>Mintenance lateral guide in the condom high the condom planting.</li> <li>Mintenance lateral guide in the condom high the condom planting.</li> <li>Mintenance lateral guide in the condom planting.</li> <li>Mintenance lateral guide in the dom high the condom planting.</li> <li>Mintenance lateral guide in the</li></ul></list-item></list-item></text> |

Date Drawn by 🛛 : JZA Checked by : JZA/SL

All planting must be mulched in accordance with the implementation and maintenance

If planting is required outside the October-March season, bare root shrubs will be replaced by 3L pot grown plants, and trees will be replaced by a containerised equivalent to be approved by the project landscape architect.

quidelines

: 1 : 250 @ A1



ape

: 07/07/2022 Scale