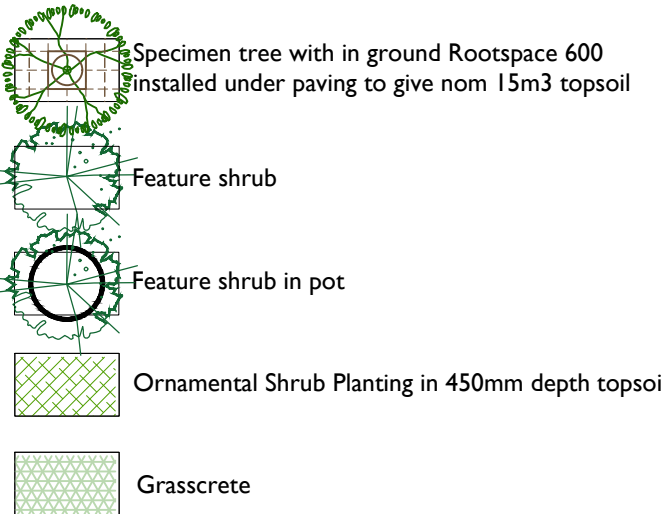




PLANTING NOTES

- Plant handling at the nursery, & transit up to delivery, shall be in accordance with 'Plant Handling', the booklet published by the Committee for the Plant Supply & Establishment (CPSE). The contractor shall comply with clauses 3 & 4 of the above booklet (obtained from the Horticulture Trades Association 19 High Street, Theale, Berks RG7 5H) which refers to the receipt, unloading & temporary storage of plants.
- Plants shall be first class examples of their species or variety, free from all pests & diseases, with good fibrous root systems & materially undamaged (refer to relevant section of BS5396 Parts 1-4 Specification of Nursery Stock)
- All planting is to be in general compliance with BS4428:1989 'Code of Practice for general landscape operations (excluding hard surfaces)'
- All plants and fauna shall be planted in the recommended season.
- Shrub beds to have a min. depth of 450mm good quality imported topsoil (BS3882), do not use topsoil contaminated with subsoil, rubbish or other materials. Do not compact soil, preserve a friable texture of separate visible crumbs where ever possible. Topsoil to be treated with an application of herbicide prior to planting, where necessary, strictly in accordance with the Control of Pesticides Regulations 1986 (or otherwise updated/ superseded legislation), & following manufacturer's instructions by qualified staff & then should be cultivated to 150mm depth prior to planting. Where existing beds are to be cleared & recultivated, incorporate new spent compost 20% & topsoil 80% into all tree, shrub & hedge areas. All shrub beds/ grasses areas shall have a suitable slow release fertilizer applied at the manufacturers specified rates.
- Shrub Compost. Specimen plants to be planted in a pit 400 x 400 x250mm depth with 5 litres Tree & Shrub Compost.
- All areas of ornamental planting are to be mulched to a depth of 50mm with an amenity grade bark mulch unless plants are located in gravel.
- Trees are to be planted securely either underground guyed in accordance with an approved guying system or staked & secured as follows:
 - Heavy Standard are to be secured using 2no. treated softwood stakes with cross bar, driven firmly into the ground. Stakes to be 1000mm above ground & fixed to tree with suitable rubber tree tie & spacer
 - Standard are to be secured using a single stake driven firmly into ground (0.6m above ground level) & secured with a rubber tie & spacer
 - Multi-stem trees are to be secured using a single angled stake driven firmly into ground & secured with a rubber tie & spacer.
- For all ornamental trees one 80litre bag of tree planting compost (non-peat based) is to be incorporated in the tree pits. For all ornamental trees the tree pit should be large enough to comfortably accommodate the rootball. Backfilling with excavated soils to replicate the existing horizons. All trees are to be planted in line with BS8545:2014 Trees from nursery to independence in the landscape - Recommendations: Para 10.2.7 Topsoil should not be used below depth of the original topsoil .
- Trees planted in grass are to have a 1m dia turf cut around the base of the tree & circle filled with 50mm depth bark mulch.
- All planting of trees and shrubs shall be carried out between October and March. Consideration to be taken into account & planned for within the construction programme. Where the works programme does not provide for tree and shrub planting to be carried out in the appropriate season either of the following operations shall be implemented:
 - (a) Planting shall be completed during the first planting season following Practical Completion. The cost of carrying out such landscape works after Practical Completion shall be at the expense of the Contractor. Ensure adequate watering & weed control is available.
 - (b) Carry out all work when soil & weather conditions are suitable.Do not plant during periods of frost or strong winds. Plant only in the following periods: - Container grown plants. At anytime if ground water & weather conditions are favourable- Rootballed & bare root trees & shrubs:November-March. Ensure adequate watering & weed control is available.
- Water all plants & trees on the same day of planting, plant only into moist soil & water thoroughly to the full depth of soil immediately after planting. Water regularly through the establishment period (minimum 3 months) to prevent dehydration (min. once a week in periods of drought) to ensure the establishment of the plants during the 12month defects period.
- The contractor must ascertain for himself/herself the exact position of underground services & maintenance points prior to carrying out any digging on site.

PLANTING AFTERCARE - 5 year establishment period

- Generally
- Maintain all grass areas, shrub beds and hedgerow planting free of litter and excessive weed growth (ie. growth that would be detrimental to the intended planting). Do not allow rubbish, grass cuttings, or other deleterious materials to be deposited on any of the planted areas during the establishment period.
 - Water all trees, shrubs & hedges in periods of drought (no significant rainfall for 5-7days) during the growing season of the 12months defect liability period. (Growing season is typically late Spring to early Autumn). Water once a week so the soil is fully saturated to encourage deep roots to establish & continue this until significant rainfall.
 - Any plants which are stolen from the site prior to Practical Completion shall be replaced by the Contractor.
 - Any plants which die or show signs of poor health should be replaced towards the end of the 12month defects liability period by the contractor (Exclusions: Theft or malicious damage after completion). The Employer shall determine whether a plant has failed. The cause of death or poor health should be investigated & the issue re-mediated prior to any new planting. If necessary plant species can be substituted (with prior agreement with the Landscape Architect) if particular plants are not suitable for the situation due to unforeseen circumstances.
 - At the end of the first 12 month maintenance period ensure soil is thoroughly moistened prior to re-mulching, applying water where necessary, re-mulch all planting beds to a depth of 50mm.
 - After the 12month defects liability period the the management company will have the responsibility of the plants maintenance of all public areas which will need to replace any trees or shrubs that die within a 5 year period in line with the original proposals.

Shrub Beds
APPLY TO ALL YEARS
Maintain weed free
Replace dead/dying plants
Water in periods of drought 10 litres per shrub per week.
Remove deadwood.
At the end of year 5, thin shrub beds to allow adjacent plants to achieve their species potential.

Herbaceous Material
Maintain weed free
Replace dead/dying plants
Water in periods of drought a minimum of 2 times a week.
Every 2-4 years (species dependant) divide plants.

Trees
Inspect trees and ensure that they are establishing in an upright & safe manner, gently firm loosened soil around trees, straighten leaning trees accordingly.
Stakes and ties; check annually that the stakes are secure and adjust ties to allow for growth as necessary. Remove stakes at the end of the third growing season.
Trees should be watered once a month regardless of weather conditions during the defects liability period in the growing season (through the irrigation pipe) to ensure that the trees are encouraged to produce deep roots. Water trees in periods of drought at a the following rates:
150 litres per tree - 14-16cm girth trees & above
75 litres per tree - 10-12cm girth trees & below
Prune deadwood, crossing branches etc. Replace dead/dying trees.
Routine pruning should include the following operations:
The removal of dead, diseased, damaged or dying branches only where they pose a risk to the users of the site.
The removal of branches or epicormic growth around the trunk of the tree where it is restricting access, growing over footpaths or obstructing lighting to be cut back.
Inspection and reporting any incidence of pests and diseases which could cause trees or limbs to fail.
Any routine tree works should be carried out between end August to the end February to avoid the bird nesting season. If this is unavoidable a bird nest and/ or bat survey must be undertaken prior to works being carried out.

SHRUB PLANTING				
Abb	Species	Size	Height (cm)	Density
Hf	Hosta francee	2L	n/a	3 sq.m
Hj	Hosta june	2L	n/a	3 sq.m
Hbme	Hosta blue mouse ears	2L	n/a	3 sq.m
Da	Dryopteris affinis	2L	n/a	4 sq.m
Cf	Cyrtomium fortunei	2L	n/a	3 sq.m
Bs	Blechnum spicant	2L	n/a	4 sq.m
Hm	Heuchera 'Marmalade'	2L	n/a	4 sq.m
Hpp	Heuchera 'Plum Pudding'	2L	n/a	4 sq.m
Hpap	Heuchera 'Paprika'	2L	n/a	4 sq.m
Co	Carex oshimensis 'Evergold'	2L	n/a	5 sq.m
Ce	Carex elata 'Aurea'	2L	n/a	5 sq.m
Ab	Astilbe 'Brautschleier'	2L	n/a	3 sq.m
Hre	Hebe 'Red Edge'	2L	20-30	4 sq.m
EEG	Euonymus 'Emerald n Gold'	3L	20-30	4 sq.m
Eh	Euonymus harlequin	3L	20-30	4 sq.m
EGS	Euonymus japonicus 'Green Spire'	3L	20-30	4 sq.m
Hre	Hebe 'Red Edge'	2L	20-30	5 sq.m
Hs	Hebe pinguifolia 'Sutherlandii'	3L	10-20, 4 sq.m	
HMW	Hebe 'Mrs Winder'	3L	20-30	3 sq.m
HEG	Hebe Emerald Green	3L	20-30	5 sq.m
Sc	Sarcococca confusa	3L	20-30	4 sq.m

SPECIMEN SHRUB PLANTING				
Abb	Species	Form	Root	Height
Al	Amelanchier lamarckii	Multi-Stemmed	RB	3-3.5m
Cc	Cercis chinensis	Multi-Stemmed	RB	3-3.5m
Ck	Cornus kousa	Multi-Stemmed	RB	3-3.5m
Buj	Betula utilis 'Jacquemontii'	Multi-Stemmed	RB	3-3.5m
Cac	Corylus avellana 'Contorta'		12Lt pot	80-125
Fj	Fatsia japonica		7.5Lt pot	40-50

TREE PLANTING				
Abb	Species	Size	Root	Height
Ps	Prunus 'Spire'	18-20cm SM	RB	4.5-5m



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Client
Maryland Securities

Project
Brunswick Mill Development

Description
Mill Car Park Soft Materials

Status

WIP

Scale
1 : 200@A1

Job number Drawing number Date Revision

5187 04 April 23 A

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All levels and dimensions to be checked on site by contractor prior to commencement; Any variations to be reported to the client. This drawing is to be read in conjunction with all others relating to the project and all information derived accordingly; any anomalies to be reported to the client. Do not scale from this drawing. Use figured dimensions only. Work shown on this drawings to be carried out in accordance with current British Standards and Codes of Practice.

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