

**SUMMARY PLANTING SPECIFICATION**

These implementation and maintenance guidelines are for planning purposes only to indicate the level of workmanship to be specified and do not constitute a detailed specification.

**1. GENERAL**

- 1.1. All landscape operatives will be appropriately trained, certified and qualified to undertake the tasks required. When required, the relevant certificates will be made available for inspection. All work is to be carried out in accordance with the relevant British Standards, Codes of Practice and Legislation.
- 1.2. All plants shall conform to BS 3926 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.
- 1.3. Planting shall not be carried out when the ground is waterlogged, frost bound or during periods of cold drying winds. All bare-root planting stock will be kept covered until actually planted in order to minimise water-loss and prevent the roots from drying out. Tree handling, storage and planting shall be in accordance with BS 8545 Chapters 9 to 10 and Annexes E to F.
- 1.4. 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.

**2. TREE PLANTING**

Ground Preparation and Tree Pit Excavation

- 2.1. Where necessary treat existing weeds with a glyphosate based herbicide and allow a suitable period to elapse, as recommended by the manufacturer, for the herbicide to take effect.
- 2.2. Tree pits of at least 75mm diameter greater than the root system and no deeper than the rootball/container depth are to be excavated and the sides well scarified to prevent smearing. All extraneous matter such as plastic, wood, metal and stones greater than 50mm in any dimension shall be removed from site.
- 2.3. During excavation of the pit, the soil dug should be placed to one side separating topsoil and subsoil as far as is practical.

Tree Planting

- 2.4. Trees shall be planted as per the planting arrangement as set out on the planting plan and plant schedule.
- 2.5. The typical rooting depth for trees is 900mm. The first 300mm shall be made up of topsoil; it shall be ensured that a suitable subsoil provides the remainder of the minimum rooting depth.
- 2.6. The root system of the tree should be watered prior to planting. The tree should be planted at the correct depth taking into account the position of the root flare and the finished level - the rootball or root stem transition should be level with the existing host soil or surface. The base of the rootball should typically sit on subsoil, for larger rootballs the subsoil will sit around the lower portion of the rootball.
- 2.7. Tree pits should be backfilled with the excavated topsoil, if the original topsoil is not available or deemed unsuitable, a multi-purpose topsoil should be used. Any subsoil excavated should be discarded and the subsoil depth (beyond 300mm deep) backfilled with a high sand content subsoil. Backfill should be added gradually, in layers of 150mm to 230mm depth, ensuring the tree is held upright. At each stage the fill should be firm in to eliminate air pockets under and around the root system, but with care being taken not to excessively compact the soil. The final layer should not be consolidated.
- 2.8. General-purpose slow release fertiliser (at the rate of 75g/m<sup>2</sup>) and Tree Planting and Mulching Compost at the rate of 20litres/m<sup>2</sup> are to be incorporated into the top 150mm of topsoil during final cultivations.
- 2.9. Extra heavy standard trees shall be double staked with 75mm dia stakes. Stakes should be driven at least 300mm into undisturbed ground before planting the tree, taking care to avoid underground services and cables etc. and should typically be one third the height of the tree stem above ground.
- 2.10. Trees shall be secured to stakes with suitable proprietary rubber tree ties and spacers.
- 2.11. Immediately after planting, but before applying the below bark mulch, all trees should be saturated to field capacity. Ornamental composted bark mulch will be spread to a depth of 75mm across a 1.0m dia circle around individual trees, ensuring that the root flare and base of the stem, along with any ground cover plants, are not buried.

Maintenance

- 2.12. In the autumn following planting the CA/landscape contractor will prepare a list of all trees which are dead, dying or diseased and are to be replaced during the following planting season. All stock deemed to be dead, dying or diseased within the defects period shall be replaced by the contractor at his own cost.
- 2.13. The site is to be visited monthly throughout the year to undertake the following operations.
  - Weed clearance: All tree pits are to be kept weed free by hand weeding or herbicide treatment. The bark mulch shall be topped up at least once annually.
  - Litter clearance: All litter is to be removed from tree planting areas.
  - Watering: All trees are to be watered during the growing season following any dry periods of 7 days.
  - Checking trees: 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. All grilles, grids and guards shall be checked at least once annually, where no longer necessary or physically damaging the tree these should be removed.
  - Formative pruning: Any damaged shoots/branches are to be pruned back to healthy wood. Trees are to be pruned in accordance with good horticultural practice (BS 3998) to maintain healthy well-shaped specimens which are appropriately shaped for their circumstances.

**3. SHRUB PLANTING**

- 3.1. Shrubs plants are to be set out as shown on the drawing and pit planted into the prepared soil at the specified densities with minimal disturbance to the rootball and well firmed in.
- 3.2. Recommended rooting depths are 600mm for shrubs plants. Multi-purpose topsoil depths shall be 300mm for shrubs, ensuring that a suitable subsoil shall provide the remainder of the minimum rooting depth. Before receiving topsoil, subsoils should be loosened using ripping equipment, this shall be done when the subsoil is dry to encourage soil shattering. All stones and other objects larger than 50 mm shall be removed from the prepared surface.
- 3.3. Within the day of planting shrub plants should be saturated to field capacity, this shall be done before applying the below bark mulch.
- 3.4. Spread ornamental pine bark mulch to a depth of 75mm across all new planted areas, taking care not to bury groundcover plants.

**4. ORNAMENTAL HEDGE**

Ground Preparation

- 4.1. Where necessary existing weeds will be treated with a glyphosate-based herbicide and a suitable period allowed to elapse, as recommended by the manufacturer, for the herbicide to take effect. All extraneous matter such as plastic, wood, metal and stones greater than 50mm diameter will be removed from site to a registered waste disposal facility.

Planting

- 4.2. The planting arrangement shall be as set out in the plant schedule on the relevant planting plan.
- 4.3. Bare-root hedge plants shall be notch planted in a double staggered row at the rate of 6 plants per linear metre (using L-shaped notches) using a design suitable for this purpose. The notches must be vertical and deep enough for the roots to hang freely, with the transplant being planted so that the root collar is exactly level with the ground surface. The notch must then be closed and the soil will be well firmed round the roots in line with the guidelines as set out in BS 4428 (1989).
- 4.4. All bare-root hedge planting stock will be protected from rabbit damage using approved proprietary 600mm clear plastic spiral guards, supported with 0.9m 12/14b canes as advised by the manufacturer.

Maintenance during first growing season

- 4.5. All dead, dying or diseased hedge plants will be replaced with plants of similar size and species. If the failure of the plant is due to disease and is considered likely to re-occur then an alternative species may be used as replacement if agreed with the LPA.
- 4.6. The planting area will be kept weed free throughout the maintenance period using approved herbicides in April, June and August.

**5. AMENITY GRASS**

Preparation

- 5.1. Areas to be turfed or 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 lith. Amenity grass areas will receive pre-seeding fertiliser at 70 g/m<sup>2</sup>. Meadow grass areas will not be fertilised.
- 5.2. The minimum overall recommended rooting depth for grass is 450mm, the first 150mm shall be made up of a multi-purpose topsoil; it shall be ensured that a suitable subsoil shall provide the remainder of the minimum rooting depth. Before receiving topsoil, subsoils should be loosened using ripping equipment; this shall be done when the subsoil is dry to encourage soil shattering. All stones and other objects larger than 50 mm shall be removed from the prepared surface.

Turf

- 5.3. Turf shall be supplied in accordance with BS3969. It shall be close textured and green in colour and be sufficiently fibrous to withstand handling. Turves shall be regular in shape, 300mm wide and of uniform thickness (minimum 25mm). The grass shall be closely mown and shall not exceed 25mm in height. Turf shall be stacked in piles of up to 1 metre. It shall not be laid in frosty or waterlogged conditions and shall not be stacked in rolls for more than three days. 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.

Seeding

- 5.4. Grass seed shall be sown either in April/May or September/October 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/m<sup>2</sup> for amenity grass. After sowing the contractor shall lightly rake the seed into intimate contact with the soil.

Initial Cut

- 5.5. When newly seeded amenity grass areas reach 50mm they should be lightly rolled and cut to a height of 25mm. All arisings shall be removed. Any bare patches shall be made good at this time. Amenity grass shall be regularly maintained between 25 and 50mm during the first season after sowing.

**PLANNING | DESIGN | ENVIRONMENT | ECONOMICS**

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**PLANTING SCHEDULE**

**TREE PLANTING**

Species	Form	Girth	Height cm	Clear Stem	Root Condition	Quantity
Betula utilis 'Jacquemontii'	EHS	14-16	425-600cm	Min 200cm	75 L	2
Magnolia stellata	SStd	14-16	300-350cm	175-200cm	75 L	1
Sorbus aria	EHS	14-16	425-600cm	Min 200cm	75 L	2
Tilia cordata	EHS	14-16	425-600cm	Min 200cm	75 L	1

**HEDGEROW PLANTING -**

To be planted at 6/linear metre, in a double staggered row, 0.4 offset between rows.

Species	Height/ Spread cm	Ages / Times transplanted	Habit	Root Condition	Quantity
Fagus sylvatica	150-175	1+2	Feathered	B	570

**ORNAMENTAL PLANTING**

Species	Height/ Spread cm	Habit	Root Condition	Planting Density /m <sup>2</sup>	Quantity
Ceanothus thyrsiflorus v. repens	30-40	Bushy	3L C	3	8
Ceanothus 'Skylark'	30-40	Bushy	3L C	3	17
Cornus avellana fmsl	150-200	Multi-stem	B	Counted	1
Chaenomeles speciosa 'Moerloosei'	40-60	Branched	3L C	3	17
Choisy ternata 'Sundance'	30-40	Bushy	3L C	3	17
Cornus alba 'Elegantissima'	30-40	Bushy	5-7.5L C	3	5
Cornus sanguinea 'Midwinter Fire'	30-40	Bushy	5-7.5L C	3	17
Deschampsia cespitosa 'Goldtau'	n/a	n/a	3L C	3	5
Hebe rakaiensis	30-40	Bushy	3L C	3	5
Hebe 'Mrs Winder'	30-40	Bushy	3L C	3	14
Rudbeckia 'Goldstrum'	n/a	n/a	3L C	3	8
Spiraea japonica 'Goldflame'	30-40	Bushy	3L C	3	8

**Note:** all planting should avoid man-made grids and lines, and should group species together in groups of 3-5 plants

**KEY**

- Existing Tree to be retained - in accordance with BS5837:2012
- Proposed Trees
- Proposed Hedgerow
- Proposed Shrub Planting
- Amenity Grass
- Litter Bin - cylindrical steel framed hardwood timber litter bin, to be in-ground fixed eg. Macintyre Litter Bin (158l capacity) supplied by Orchard Street Furniture.
- Seat - 1.8m length hard wood timber seat with backrest, to be in-ground fixed suitable for 4 people eg. Coxes Seat supplied by Orchard Street Furniture.
- Picnic Bench - 1.8m length hard wood timber picnic bench, to be in-ground fixed suitable eg. Conference Table supplied by Orchard Street Furniture.
- Play equipment - refer to play specification
- Play surfacing - to be bound rubber mulch suitable for childrens play leg. TigerMulch and laid to the critical fall heights and extend as specified by the manufacturer. All play safety surfaces to be laid to BS EN1176 + BS EN 1177. The rubber mulch surfaces will be a mix of two naturalistic colours eg. 50/50 mix of green and brown.
- Earth mounding - gradient to be max 1:3 within play spaces, max 1:6 adjacent to sports pitches, contours to be smooth flowing
- Proposed 1.0m high bow top railing with self closing single leaf gates - to be inward opening and self-closing access gates. To have a minimum 1.2m width opening, self closing mechanism to be hydraulic based. Gates are to be constructed from galvanised steel and are to be powder coated in contrasting colour from the railings.
- Maintenance/double leaf gate to comprise 2 no. pedestrian gates with central drop bolt - to have a minimum 2.5m width opening and will match style of fencing. Gates are to be lockable, to be constructed from galvanised steel and are to be powder coated to match the railings.
- Proposed information board located at entrance to play space as shown on plan. The board are to be timber in construction and are to conclude the following information:
  - information on the space
  - operational information (rules of the space)
  - name and telephone number of the operator of the facility with an invitation to report any incident or damage
- No dogs sign to be located within footpath as users enter the play space.
- Existing Drainage/Utilities (to be left in situ)
- Tree root barrier system - to be confirmed dependent on depth of foul sewer/surface water run off sewer, extent and depth to be confirmed as per Engineers specification.



1 - Ibondo Albatros with net  
Age 3+ years  
Supplier: Eibe

Note: Equipment to be relocated from Phase 2 play space. Re-installation to be completed as per manufacturers specification.

2 - Carousel  
Age 4+ years  
Supplier: Kompan (NR0109)



3 - One Seat Swing (Toddler)  
Age 1+ years  
Supplier: Kompan (NR0902)



4 - Two Seat Swing  
Age 3+ years  
Supplier: Kompan (NR0904)



Revisions:  
First Issue- 06/12/2017 RVF  
A- (08/03/2018 ASK) Equipment revised to client comment  
B- (27/04/2018 RVF) Equipment revised to client comment

**Detailed Landscape Proposals - Roper Road Play Area (Sheet 1 of 4)**

**Heyford Park - Existing Open Spaces**

Client: Dorchester Group  
DRWG No: **D.0341\_138** Sheet No: **1** REV: **B**  
Drawn by: RVF/ARW/ASK Approved by: RVF  
Date: 27/04/2018  
Scale: 1:200@A3  
**Pegasus Design**

