

**KEY**

- BUILDING
- RETAINED TREES
- NEW TREES
- NEW HEDGE
- SPECIMEN SHRUB
- GROUND COVER/SHRUB MIX
- NEW TURF
- EXISTING TURF
- BULB MIX

**HARD LANDSCAPE KEY**

- TOBERMORE HYDROPAVE TEGULA CHARCOAL
- TOBERMORE STANDARD PAVING 600x600mm NATURAL
- EXISTING PATH
- EXISTING PATH
- TOBERMORE HYDROPAVE TEGULA CEDAR

### Planting Schedule & Abbreviations

Abb	Name	Age	Height	Form	Girth	ClrStm	Root	Cntr	Ctrs	Qty
<b>Herbaceous</b>										
Hycnthd nn	Hyacinthoides non-scripta		min 5cm (Topsize)	Bulb					0.250	16
<b>Shrub</b>										
Brb dr	Berberis darwinii		30-40cm				C	5L	0.600	10
Eign pn M	Elaeagnus pungens 'Maculata'		50-60cm				C	5L	0.600	10
EscL GE	Escallonia 'Gold Ellen'		50-60cm	Bushy			C	5L	0.600	10
Hb al RE	Hebe albicans 'Red Edge'		20-25cm				C	2L		2
Osmnt br	Osmanthus burkwoodii		30-40cm				C	5L	0.600	10
Sk jp R	Skimmia japonica 'Rubella'		30-40cm(D)				C	3L		1
Sk jp R	Skimmia japonica 'Rubella'		30-40cm(D)				C	5L	0.600	15
Src hk	Sarcococca hookerana digyna		25-30cm				C	3L	0.450	13
Vb dv	Viburnum davidii		25-30cm				C	5L	0.600	15
Vnc mn A	Vinca minor 'Aureovariegata'						C	1L	0.400	17
										103
<b>Tree</b>										
Abb	Name	Age	Height	Form	Girth	ClrStm	Root	Cntr	Ctrs	Qty
Acr cm	Acer campestre	3x	400-450cm	Standard (Heavy)	12-14cm	min 200cm	RB			2
										2
										121

**General Planting Notes:** All plant material to be supplied in accordance with HTA National Plant Specification. All planting to be local provenance wherever possible and from local supplier. All plants to be healthy, hardened-off and with good fibrous root systems and to comply with the requirements of BS3936 Specification for Nursery Stock. All planting to be undertaken in accordance with BS4428 Code of Practice for General Landscape Operations. All plants to be protected from wind exposure at all times. All plants to be soaked in water for several hours prior to planting and to be well watered in. No planting to be carried out during poor weather conditions, i.e. when ground is frozen, waterlogged, or during droughts, hot sunshine or persistent dry or cold winds. All plant material to receive enough water to ensure healthy establishment.

**Times of year for planting:**  
 Deciduous trees and shrubs: Late November to late March.  
 Conifers and evergreens: September/October or April/May.  
 Bare rooted stock: Mid-November to end February.  
 Container grown stock - Any time of year as providing adequately watered, autumn planting desirable.

**Site Preparation:** Clearance: Clearance to comply with all relevant legislation including the Wildlife and Countryside Act (1981). Removal of trees and shrubs should not be conducted during the nesting season (March-August inclusive) and due regard to protected to be made during site clearance. Work to stop immediately where contravention of legislation is likely and a suitably qualified Ecologist consulted. Gardens shall be free from old foundations, concrete bases and other similar obstructions. Before top soiling the formation is to be loosened to a depth of 150mm by harrowing or ripping to assist in natural drainage of the land. All coarse rubble, and artefacts greater than 75mm in diameter exposed by ripping operations shall be removed to a licensed facility. Subsoil grading of the site shall leave landscape areas with smooth flowing contours to achieve the specified finished levels when top soiled. Prior to top soiling, subsoil formation should be ripped and loosened to a minimum depth of 450mm. Imported subsoil shall be in accordance with BS3882 for amenity use.

**Cultivation:** Cultivate the soil of all areas prior to seeding and planting. This should include loosening, aerating and breaking up soil into particles 2-8mm to depth of 150mm. Remove any undesirable material brought to surface to a depth of 100mm including visible weeds, roots and large stones or clay balls with any dimension exceeding 30mm. Final Cultivation, topsoil shall be brought to a fine tilth by approved mechanical means or by hand raking, and if necessary re-grading of the surface will be carried out to conform to the prescribed finished levels. Top-soiling: topsoil to general planting and grass seeded areas to be to BS3882: 2007 Multipurpose Grade. Topsoil must be free from pernicious weeds and roots, clay lumps, non-soil materials, brick or other building materials, foreign matter and chemical contamination. Topsoil should be spread evenly over areas to be seeded and planted. Minimum topsoil depths after settlement shall be: Grass-150mm, Shrubs- 450mm and Trees-750mm. Topsoil shall be spread in layers not exceeding 150mm and firm each layer before spreading the next. At the time of laying, both material and weather should be reasonably dry. Soil levels should be 30mm higher than adjacent kerbs and paving after settlement and married in with existing soil levels.

**Weed Treatment:** All areas to be planted are to be treated with Roundup, or other suitable licenced herbicide, a minimum of 10 days prior to planting. Herbicide use should comply with all current legislation with special attention made to the protection of the adjacent stream to the west of the site and its culvert leading under the site.

**Planting, Seeding and Turfing:** Tree Planting: Trees to be pit planted. Excavate tree pits with slightly raised centre. Retain topsoil for re-use. Dig a hole which is substantially bigger than the volume of roots to be accommodated. Break up and loosen the base and sides of the pit. The trees will be planted to the same depth as they were in the nursery. Back fill the pit in stages, whilst firming up the soil around the roots until the original ground level is restored. Install RootRain irrigation pipe around root ball to manufacturer's instructions during backfilling. Tree pits to be filled with 1:3 mixture of compost and topsoil. Topsoil to contain peat free organic matter and slow-release tree and shrub fertiliser to be incorporated into each pit. Standard trees: short single stake and adjustable rubber tie. Stakes to be first grade pressure impregnated round timber with chamfered tops. Position stake close to tree on windward side and drive vertically at least 300mm into bottom of pit before planting. Backfilling: consolidate material around stake. Height of stakes: cut to approximately one third of the tree height above ground level. Tying: secure tree firmly but not rigidly to stake with ties within 25mm of top of stake. Where under-planting is required this is to be done through the mulch and after the tree planting has been completed. Under-planting to be in random groupings around the trees at the stated average densities and at 2-3 times the depth of the bulbs.

**Shrub/perennial:** Prepared soil should be enriched with lime free, bulky organic matter at a rate of 4l per m<sup>2</sup>. Shrubs to be pit-planted, with sufficiently large pit to accommodate root system without bending roots (minimum size of 150mm wider than roots when fully spread and 200mm deep), pit centre slightly raised. Plant through biodegradable weed suppressant matting and mulch with 50mm minimum of fine grade bark chip mulch. Where under-planting is required this is to be done through the mulch matting and after shrub planting has been completed.

**Turfed Areas:** Turf must meet the Turfgrass Grower's Association (TGA) Quality Standards for Cultivated Turf for the supply and laying of turf. The turf soil should be of a sandy loam nature with no stones. The grass will be dense, of uniform green colour, free of broadleaved weeds and not visibly affected by pest or disease. Existing vegetation and stones should be removed and a light tilth prepared. Turf to be laid within 24 hours of receipt. Turfing shall comply with BS 3969 and be carried out when the weather and soil conditions are suitable. Turfing should not be carried out in exceptionally dry or frosty weather or when the ground is waterlogged. Allowance should be made to keep the turf watered during dry periods encountered throughout the establishment period.

**Mulch:** ornamental fine grade mulch to all shrub/ herbaceous beds and ornamental trees in grass except front garden beds 30mm depth 6-10mm quartzite pea gravel. Coverage: planted ornamental trees to 75 mm depth, 50mm depth to hedges and shrub planting. Trees in grass: 400mm radius circle area from trunk to 75mm depth. Finished level of mulch: 30 mm below adjacent grassed or paved area. As part of good horticultural practice, use peat-free composts, mulches and soil conditioners

**Planted areas are to be kept weed free manually with the use of herbicides only where necessary. Following the use of herbicides remove dead vegetation. Mulch and Compost Materials General:** Free from toxins, pathogens or other extraneous substances harmful to plant, animal or human life. Submit certification of source, analysis, suitability for purpose and absence of harmful substances. Certified materials: Sanitized and stabilized compost and spent mushroom compost. Mulch to be fine grade bark mulch. Purity: Free of pests, disease, fungus and weeds. Preparation: Clear all weeds. Water soil thoroughly. Any losses in the first five years to be replaced like for like during the first planting season after loss.

**MONITORING AND MAINTENANCE**  
 Monitor and water as required all planting (trees, hedges, shrubs and herbaceous), turf and seeding to ensure soil moisture is maintained for effective establishment and growth via installed irrigation system where fitted or manually where not for a minimum 12 months.  
 Maintenance visits Year 1: (set as minimum) Last week in March - 1 visit; April - September (inclusive) 3 visits each month with more in dry conditions as required; Early October - 1 visit.  
 Year 2 to 5 Monitor, watering as required. Any losses replace like for like in first planting season after loss. Adjust ties on trees as required. Remove all supports and shelters once trees and shrubs are established (year 3 to 5) and dispose of materials by reuse or through recycling where possible

**LIGHTING KEY**

- Saxby Tango Bollards brushed stainless
- LED Bollard light spay

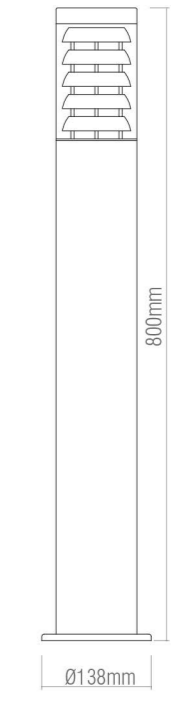
**Tango Bollard**

**FEATURES**

- 2 years warranty
- Brushed stainless steel & clear PC finish
- Constructed from stainless steel (304) & polycarbonate

**SPEC DATA**

Lamp Specification:	Max. 9.2W LED E27 (required)
Dimmable:	No
Operational Voltage:	220-240V
Watts:	55/60
IP Rating:	44
IK Rating:	05
Product Weight (KG):	1.75
Terminal Block:	3-way
Class:	1



Rev	Date	Revision Details	Drawn	Checked	Approved
Client <b>Tyler Parkes Llp</b>					
Project <b>Oak Ward Seclusion Unit Redwoods Centre Shrewsbury</b>					
Title <b>Hard and Soft Landscape plan</b>					
Drawn <b>PDJ</b>	Checked <b>RB</b>	Approved <b>DJ</b>			
Original dwg. size <b>A1</b>	Date <b>21.08.2021</b>	Scale <b>1:200</b>			
Drawing Status <b>ISSUED</b>	Drawing Number <b>704.1</b>	Rev. <b>0</b>			
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