



A. Setting Out

1. Planting shall be set out exactly as shown on the drawing, and measured from existing fixed points. Curved beds shall be set out using radii scribed on the ground using two pointed stakes and a line between, or with site marker paint. The junction between convex and concave curves shall be cut to form a smooth and even flowing line. Check that all setting out conforms to the plan before cultivation and planting works are carried out. Failure to do so may result in rejection of the work by the landscape architect and may require amendment at the contractor's expense.

2. All planting beds shall be a minimum of 1 metre wide, except where there is insufficient space, due to the constraints of walls and path edgings and their foundations. With narrow beds between walls/fences and path edgings, ensure that the bed has space free from concrete footings before planting. If the bed is sealed with concrete, then the landscape contractor shall contact the site manager or landscape architect to determine if footings are excessive and can be reduced or else, the bed can be paved. The width of all beds will be checked by the inspecting landscape architect and where the width is not as drawn, the contractor shall re-cultivate them to the specified width at his own expense.

B. Ground Preparation.

1. Pre-planting herbicide application shall be applied by suitable spraying apparatus using an approved translocated systemic herbicide to manufacturer's instructions and to 1997 Control of Pesticides Regulations and 2003 COSHH regulations on all beds, except those which are both weed free and are to receive geotextile sheeting. Spray immediately if any weeds are present. If none are showing, but there may be a delay before spraying, or the area is to be seeded, spray after one month following cultivation, to allow dormant seed to germinate. All spraying shall be carried out by skilled and qualified operatives, using protected 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.

2. Carry out the following works to the existing topsoil on site to ensure it conforms to BS 3882:2007, being free from rocks larger than 50mm diameter, concrete, all stones, wire, brick, and have less than 20% clay. Allow for pre-application of herbicide as above. Fertilise with 100g per metre square of Fisons' 'Neutrocare' slow release fertiliser, in accordance with the manufacturer's instructions. For beds less than 5 meters 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 meters 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 meters of tree stems or 3 meters of existing hedging. Do not rip areas where roots greater than 10mm diameter are encountered.

- [illegible]

4. For sloping areas to be turfed adjacent to paved areas, topsoil levels shall be graded flush with the finished pavement level (or up to 10mm below), to allow surface water to drain from pavements to soft areas. Soil of grass areas should therefore never be proud of paved areas. Soil levels more than 10 mm below pavement edges will cause mower damage on cutting.

5. Imported topsoil (where specified and sanctioned by the employer) for making up ground, shall conform to BS 3882: 2007, and be free from rocks (over 50mm diameter), concrete, roots, wire and brick, and have less than greater than 20% clay. Such soil shall be cultivated as set out above. Representative samples shall first be approved by the landscape architect before being supplied to site. No imported soil shall be supplied to site without a written instruction.

C.Planting

1. All planting must be carried out in accordance to the specification and schedule of quantities accompanying these drawings. Refer to the specification for the preparation of existing topsoil and required depths for planting, turfing, and standard trees, and also for maintenance requirements.

2. No substitutions will be accepted without the prior agreement of the inspecting landscape architect. The contractor shall replace at once at his own cost any stock, species or variety of plant which has not been specified on the planting plan and schedule, unless prior agreement to a substitution by the landscape architect has been received. All plants shall be to size specified in the schedule of plants and associated notes, (3/16 pots are 19cm diameter and 15cm deep). All shrubs (other than ground cover), shall be 400-600mm height and spread, or otherwise specified for the pot size by the HTA National Plant Specification and be bushy, healthy, disease free stock, not pot bound, leggy or spindly. There should be a minimum of 5 breaks per shrub. This specification is the minimum standard required and any stock falling below this standard, in the sole opinion of the inspecting landscape architect, shall be lifted and replaced at the contractor's expense.

3. All shrubs, herbaceous plants, whips and transplants shall be watered in on planting with 20 litres per square metre. Trees shall be watered in with 25 litres per tree position. Water thereafter during the contract period at weekly intervals with 30 litres of water.

4. Proposed large feathered or standard trees to be true to the species, variety and size as specified on the planting plan, to include 1.6m chestnut stake 600mm above ground and 1000mm below ground) and 1No tie with spacing device positioned 25mm maximum from the top of the post. Excavate tree pit (300mm larger than rootball around) fork over bottom of pit , plant tree with roots well spread out, back fill with excavated material incorporating compost at 1m3 per 3m3 of soil excavated. Tree pits for avenues where possible to be inimum 2m x 2m x 0.9, or continuous trench.

5. Turf to be of cultivated grade such as Row lawn "Medalion", or other of similar quality and source, approved by the landscape architect. The contractor shall replace at once any turf rejected by the landscape architect at his own cost.

6. Self-clinging climbing shrubs or wall shrubs shall be trained to the wall/fence with heavy duty, plastic coated garden wire. Training wires shall be attached vertically to the wall/fence by means of 125mm long stainless steel eye screw fittings. Position 1No. at 250mm from ground, and 1No. 250mm from top of the wall/fence, and strint the wire tightly between the fixings. Train the climber to the wire with plastic coated garden wire ties.

7. Twining varieties of climber shall be trained to walls/fences by mounting ready-made trellis panels. 1.8 x 1.8m generally (but 1.8 x 0.6m for corners or where space is restricted). Include for adapting any panels for locations where walls or fences are lower than 1.8m. Fix trellis panels to the wall/fences using non rusting screws 125mm long (to be approved), incorporating 50mm cube wood spacing blocks to ensure that the panel is mounted sufficiently far from the wall/ fence to allow turning of stems. Ensure that all timber is pressure impregnated with a non phyo-toxic preservative and then painted with a dark brown non phyo-toxic preservative wood stain such as Sadolin 'Classic' walnut or similar or approved. Ensure that the trellis is not in contact with the ground. Train the climbing shrub to the trellis with plastic coated garden wire tags.

8. Climbers specified outside proposed shrub beds shall have specially prepared climber pits. Climber pits shall be 400mm x 400mm and 600mm deep (minimum size), and be backfilled with topsoil (from site - unless otherwise agreed). Ensure the base of the pit is thoroughly broken up and free draining before back filling with topsoil. Ensure no damage to foundations and services, and make good all structures and surfaces disturbed. Fertilise with 50g of Fisons "Neutrocote" slow release fertiliser. Water with 15 litres of water per climber pit.

D. Mulch

1. When specified by the additional specification notes on this plan, supply and spread agrotextile "Weedstop Fabric" sheet mulch over planting beds, previously, cultivated, graded and fertilized topsoil before planting, and peg down with Weedstop pegs at a minimum of 500mm centres, (300mm at edges) and beds less than 1m wide. Pegging this densely is essential to prevent flaps of material becoming exposed. Refer to the specification for "Weedstop Fabric" sheet mulch on plan.

2. Following planting supply and spread evenly Melcourt Industries "Rustic Biomulch" to a depth of 50mm, (75mm if no sheet mulch specified), over all planted areas. Finished mulch levels shall be no higher than 15mm below pavement or grass levels to avoid any spillage onto pavements or lawns. N.B. no substitution of mulch type will be acceptable. It is essential to have a no-fines, large particled, brown wood chip to reduce weed growth, reduce wind blow and prevent rapid break down.

E.BS Code

All workmanship and materials shall conform to the following codes:-
General landscape operations (excluding hard surfaces) - BS 4428:1989.
Trees in relation to construction- BS 5837:2012 and BS 6549:1990.
BS 3998:2010 (recommendations for tree works) unless otherwise specified.
Arbicultural Association - Standard Conditions of Contract and Specifications of Tree Works 1996.
Nursery stock in accordance with latest horticultural trade association nursery stock specification entitled "National Plant Specification 2001".
Plants shall conform to
BS 3969 - 1/1992 Nursery Stock - Specification for trees and shrubs.
BS 3969 - 2/1990 Nursery Stock - Specification for roses + ANHD 6628.
BS 3969 - 4/1984 Nursery Stock - Specification for forest trees.
BS 3969 - 5/1985 Nursery Stock - Specification for poplars and willows.
BS 3936 - 9/1998 Nursery Stock - Specification for bulbs, corms and tubers.
BS 3936:10/1990 Nursery Stock - Specification for ground cover shrubs.
CPSE-Committee for Plant Establishment, Handling and establishing landscape plants 1976, Parr 3.
Glossary for Landscape Works BS 3975 Pt 4: 1966.
Turf - BS 3969:1998 - recommendations for turf for general purposes.
Seeding - ECC Regulations 1974. Use blue labelled certified varieties to EC purity and germination regulations. When requested, submit an official seed Testing Station Certificate of germination, purity and composition.
BS 3882:2007
Pesticides: Control of Pesticides Regulations 1997; The Health and Safety at Work Act 1974; the COSHH Regulation 2003, the product COSHH sheet Water Supply (Water Quality) Regulations amended 1991; Control of Pesticides Act 1974; Hedgerow ACT 1997; Wildlife and Countryside Act 1981.

KEY:



CLIMBERS

BULBS at 15p/m²

Quantity	ID	Latin Name	Grade
423	Nar psd	Narcissus native	10-12
252	Col aut	Colchicum autumnale	18/20
0			

HEDGE CLIPPED

Quantity	ID	Latin Name	Scheduled Size	height
68	Tax bac	Taxus baccata	10L	100-125
0				

SHRUBS AND PERENNIALS 3L

Quantity	ID	Latin Name	Scheduled Size	height
983	38	38	38	38
32	Abe Gra	Abelia x grandiflora 'Francis Mason'	3L	30-40
25	Alc mols	Alchemilla mollis	3L	20-30
3	Art lud	Artemisia ludoviciana 'Silver Queen'	3L	30-40
10	Asp sco	Asplenium scolopendrium	3L	20-30
73	Ber ove	Bergenia 'Overture'	3L	10-20
32	Bru mac	Brunnera macrophylla 'Jack Frost'	3L	20-30
3	Chs azc	Choisya ternata aztec pearl	3L	20-30
21	Cor fia	Cornus sericea 'Flaviramea'	3L	40-60
3	Dry fma	Dryopteris felix-mas	3L	30-40
18	Ela ebb	Elaeagnus ebbingei	3L	30-40
3	Epi Fro	Epidemum x perrallicum 'Frohnleiten'	3L	10-20
9	Esc app	Escallonia 'Apple Blossom'	3L	20-30
5	Euo sil	Euonymus fortunei silver queen	3L	20-30
12	Fes eli	Festuca glauca 'Elijah Blue' (F. ovina var. gl.)	3L	20-30
23	Ger MacP	Geranium macrorrhizum	3L	20-30
43	Ger Mac	Geranium macrorrhizum White ness	3L	20-30
33	Ger oxi	Geranium oxianum wargrave pink	3L	20-30
35	Hak mac	Hakonechloa macra 'Aureola'	3L	20-30
1	Ham int	Hamamelis intermedia 'Pallida'	3L	20-30
2	Heb red	Hebe albaicans 'Red Edge'	3L	20-30
24	Heb rak	Hebe rakaiensis	3L	20-30
11	Hel foe	Hebe foetidus	3L	30-40
5	Heu pur	Heuchera villosa 'Palace Purple'	3L	30-40
3	Hyd hid	Hypericum x hidcoteense	3L	40-60
4	Kni cau	Kniphofia caulescens	3L	20-30
8	Osm Gos	Osmantha heterophyllus 'Goshiki'	3L	40-60
37	Pas ter	Pachysandra terminalis	3L	20-30
7	Per amf	Persicaria amplexicaulis 'Firetail'	3L	20-30
110	Pho IRR	Photinia x fraseri 'Red Robin'	3L	20-30
164	Pru Ott	Prunus laurocerasus 'Otto Luyken'	3L	30-40
9	San fiz	Santolina rosmarinifolia 'Lemon Fizz'	3L	20-30
4	Sed her	Sedum Herbstfreude	3L	30-40
9	Sed mat	Sedum matrona	3L	30-40
14	Sis str	Sisyrinchium striatum 'Aunt May'	3L	30-40
14	Sta byz	Stachys byzantina	3L	20-30
69	Sti aru	Stipa arundinacea	3L	30-40
46	Vib Eve	Viburnum tinus 'Eve Price	3L	20-30
32	Vib tin	Viburnum tinus Eve Price	3L	40-60

SHRUBS AND PERENNIALS 10 - 30L

Quantity	ID	Latin Name	Scheduled Size	height
3	Abe grd	Abella x grandiflora	10L	40-60
1	Cal bod	Callicarpa bodinieri var. giraldei 'Profusion'	10L	40-60
4	Cis pur	Cistus purpureus	10L	20-30
45	Cis hyb	Cistus hybridus	10L	20-30
2	Cle dwn	Clematis Dawn	10L	100-120
20	Con cne	Convulvulus cneorum	10L	20-30
170	Cor Ele	Cornus alba 'Elegantissima'	10L	120-140
32	Cor Mfre	Cornus alba Midwinter Fire	10L	60-80
14	Cor kess	Cornus kesselringii	10L	100-120
9	Euo emg	euonymous emerald galeity	10L	20-30
1	Fat faj	Fatsia japonica	10L	60-80
42	Ile afm	Ilex aquifolium	10L	100-120
16	Lav Hid	Lavandula angustifolia 'Hidcote'	10L	30-40
94	Mah Cha	Mahonia x media 'Charity'	10L	80-100
3	Pho Apr	Phormium Apricot Queen	10L	60-80
2	pit tbt	Pittosporum tenuifolium 'Tom Thumb'	10L	20-30
42	Rho cwg	Rhododendron x 'Cunningham's White' (H-2)	10L	60-80
14	Sar dth	Sarcococca hookeriana digyna	10L	20-30
30	Sar hum	Sarcococca hookeriana var. humilis	10L	20-30
25	Ski kew	Skimmia confusa Kew Green	10L	20-30
21	Ski rub	Skimmia japonica Rubella	10L	40-60
87	Tax bac	Taxus baccata	10L	100-125
73	Yib dav	Viburnum davidii	10L	30-40
1	Cot cog	Cotinus coggygia 'Royal Purple'	20L	100-120
2	Vib dwn	Viburnum x bodnantense 'Dawn	20L	150-225
11	Bxs smp	Buxus sempervirens 2	23L	60-80
4	Bxs con	Buxus sempervirens Cone	23L	80-120

Revised plans to show accord with new rev E plan Mobility Scooter store moved external to the building. Unit areas adjusted to suit Space Standards. Two additional parking spaces added to new build scheme. Retained building parking

EM	19.2.18
EM	29.11.17

REV	BY	DATE
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BY	SS	CHKD	EM	DATE	15.11.17
DWG NO	NE-2473-03-LA-03	CLIENT	McCarthy and Stone	REV	B
TITLE	Barnsley Detailed Landscape Plan	SCALE	1:200 A1		

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