

Topsoil and Subsoil
Do not use subsoil contaminated with with bricks, concrete, hardcore, rubbish or other materials that are corrosive, explosive or flammable, hazardous to human or animal life and are detrimental to plant life.
Subsoil shall be excavated and or placed to required profiles and levels. When ground conditions are reasonably dry, subsoils shall be loosened to a depth pf 300mm and all stones larger than 50mm shall be removed.
Where existing topsoil on site is deficient and requires topping up, all imported topsoil shall be in accordance with BS3882:2015 and with NHBC requirements.
Do not use topsoil contaminated with with subsoil, rubbish or other materials that are corrosive, explosive or flammable, hazardous to human or animal life and are detrimental to plant life.
Topsoil shall be stored in heaps no higher than 1m and wider than 2m and shall be protected from contamination and compaction.
Following spreading, topsoil areas shall be cultivated to suitable depth and filth when weather is suitably dry and the surface shall be left regular and even, levels shall be 25mm above adjacent kerbs and 50mm above lawns. Any visible weeds, roots and large stones shall be removed Do not compact topsoil and ensure a friable texture of separate visible crumbs.

Site Remediation Capping

Recommended depth after settlement:
Grass Areas: 100-150mm topsoil and 500mm of subsoil
Shrub Areas: 350 to 450mm topsoil and 150-250mm subsoil.

Tree and Shrub Planting General
Prior to planting topsoil shall be moist, friable and not waterlogged.
Carry out planting during suitable weather conditions, do not plant during frozen or windy conditions.
Where beds are overgrown with weeds apply herbicide in accordance with manufacturers recommendation. Allow fallow period before cultivation.
Container grown plants can be planted at any time of year if ground and weather conditions are favourable. Bare root trees and shrubs can be planted from late October to March.
All plants shall be as specified, undamaged, sturdy, healthy and vigourous. They shall be free from pests, diseases, discoloration and physiological disorders. Name, form, dimensions, provenance and other criteria shall be as defined in The National Plant Specification.
All plant handling shall be in accordance with HTA 'Handling and Establishing Landscape Plants'. All plants shall be stored in a secure environment and protected from site operations and over exposure to adverse weather conditions.
Where topsoil is compacted it shall be broken up to a depth of no less than 350mm into particles of 2-8mm, with the surface left regular and even. Levels shall be 25mm above kerbs and hardstandings and 50mm above adjacent grass areas. Remove all visible weeds, roots and large stones exceeding 30mm. Do not cultivate soil within rootspread of existing trees and shrubs. All plants shall be planted upright or well balanced with best side to front.
MycorForce Transplanter shall be spread around the roots of each plant during planting at a rate specified by the supplier,

Works Cleanliness
Remove any soil and arisings from adjacent hard surfaces and leave works in a clean, tidy fashion at completion.

Watering
Water all plants immediately after planting, thoroughly and without damaging or displacing plants or soil.

Notes
All soft landscape works to be carried out in accordance with BS4428:1989 Code of Practice for General Landscape Operations.

All new tree planting shall comply with BS4043:1989 Transplanting root-balled trees and BS3936:1992 Nursery Stock Part 1. Specification for Trees and Shrubs.

Follow good modern horticultural practice in any proposed soft landscaping

Based on JG-A Site Layout 19021 004 P01 dated 26th March 2019.

Grass Turf
Lay tuff with minimum delay after lifting, within 18 hours during spring and summer and 24hours autumn and winter. If required stack in piles not higher than 1m.

Lay turf with minimum delay after lifting, within 18 hours during spring and summer and 24hours autumn and winter.
Do not lay turf during persistent cold weather or drying winds or if soil is frost bound, waterlogged or excessively dry.
Prepare topsoil to BS3882:2015, topsoil shall be dry and workable, reduce to a true, even surface, friable and lightly firmed but not over compacted fine tilth to a depth of 25mm. Remove surface stones and clods exceeding 15mm. Where required extend cultivation into existing adjcacent grass areas sufficient to allow marrying in of levels.
Ensure contours are free and flowing with falls for adequate drainage.
Lay turf with broken joints, well butted up. Do not stretch turf. Edges shall be laid to whole turfs and trimmed to true line. Remove high spots and fill hollows with fine soil.
Lightly and evenly firm as laying proceeds to ensure full contact with substrate. Do not use rollers. Dress with horticultural sand and completely fill all joints.
Lay planks over previously laid turf, do not walk on prepared beds of newly laid turf.

Clover Rich Amenity Grass
This area of clover rich lawn will be beneficial to bees and other insects. The lawn can be maintained by periodic mowing to prevent the grass species becoming too high or untidy. Once the clover flower season has finished the lawn can be mown as a regular amenity grass.
Sow Germinal A4 Low Maintenance seed with addition of 5% Trifolium pretense and 5% Trifolium repens. Sow at 35g/m2.

Grass Seeding General
Seed is best sown in the autumn or spring but can be sown at other times of the year if there is sufficient warmth and moisture. The seed must be surface sown and can be applied by machine or broadcast by hand. To get an even distribution and avoid running out divide the seed into two or more parts and sow in overlapping sections. Do not incorporate or cover the seed, but firm in with a roll, or by treading, to give good soil/seed contact.
Cultivate topsoil to depth of 25mm including all consolidation, rolling, harrowing or raking to acheive a firm, fine tilth suitable for seeding.The seed bed be shall be free from uneveness, hollows, depressions and soft areas so that an evenly graded grass surface can be acheived.
The seed bed should be evenly graded to finish 25mm above adjoining paving, kerbs etc after settlement.
Remove all weeds, and remove stones, grass sods and other debris exceeding 20mm in any dimension and all roots exceeding 15mm diameter or 200mm length.

After cultivation and prior to grass seeding, supply, spread and lightly rake into the tilth a granular pre-seedling fertiliser N:P:K ration 10:15:10 at a rate of 60 grammes per m2. Do not apply fertilisers to wild seed areas. Sow according to suppliers instructions.

PLANT SCHEDULE

SPECIES	Girth	Height	Root	Pot Size	Notch	Breaks	Nos.
TREES							
Acer campestre 'Streetwise'	14-16cm	4.0-4.5m	br	EHStd			1
Betula pendula	14-16cm	4.0-4.5m	br	EHStd			1
Prunus padus 'Albertii'	14-16cm	4.0-4.5m	br	EHStd			1
Sorbus 'Cardinal Royal'	14-16cm	4.0-4.5m	br	EHStd			3
THREE LITRE SHRUBS							
Brachyglottis 'Dryadale'			CG	3LT			22
Choisya ternata			CG	3LT			15
Choisya ternata 'Aztec Pearl'			CG	3LT			6
Cotoneaster 'Coral Beauty'			CG	3LT			18
Daphne odora 'Marginata'			CG	3LT			6
Escallonia 'Apple Blossom'			CG	3LT			6
Escallonia 'Donard Upright'			CG	3LT			11
Escallonia 'Edinensis'			CG	3LT			70
Euonymous 'Emerald Gaiety'			CG	3LT			12
Euonymous 'Emerald n'Gold'			CG	3LT			4
Hebe 'Autumn Glory'			CG	3LT			9
Hebe rakaiensis			CG	3LT			48
Hebe 'Wiri Charm'			CG	3LT			8
Hebe 'Wiri Cloud'			CG	3LT			5
Hebe 'Wiri Image'			CG	3LT			15
Hedera helix			CG	3LT	caned to wall		12
Hypericum 'Hidcote'			CG	3LT			17
Hypericum x moserianum			CG	3LT			65
Lavandula 'Hidcote'			CG	3LT			8
Lavandula 'Little Lady'			CG	3LT			5
Lonicera nitida			CG	3LT			37
Lonicera 'Maygreen'			CG	3LT			48
Photinia 'Little Red Robin'			CG	3LT			15
Potentilla 'Goldfinger'			CG	3LT			6
Prunus 'Otto Luyken'			CG	3LT			27
Pyracantha 'Teton'			CG	3LT			18
Ribes sanguineum			CG	3LT			9
Skimmia 'Rubella'			CG	3LT			4
Spiraea 'Little Princess'			CG	3LT			3
Viburnum davidii			CG	3LT			14
Viburnum tinus 'Eve Price'			CG	3LT			3
HERBACEOUS PLANTS							
Geranium 'Bevans Variety'			CG	3LT			23
HEDGES							
Prunus lusitanica			CG	5lt			85

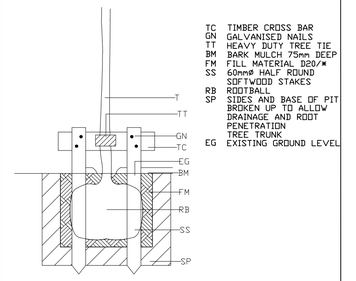
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KEY & NOTATION

Proposed Tree Planting (General)
The excavated hole shall be of sufficient size to accommodate the root-ball or container, allowing approximately 500mm clearance. Before planting the sides of the pit shall be broken up and the base dug over to a depth of 150mm to improve drainage. The tree will be planted to the same depth as it was in the nursery. Backfill will be firmed in around the rootball to prevent any air pockets.
The pit shall be backfilled with a ⅔ mix of good quality topsoil and an non peat based compost. 140gms of Enmag granular slow-release fertiliser shall be incorporated to the fill mixture.

Root Barriers
Where an installed rootball is within 3m of an exisitng underground service route install protective root barrier with sides vertical and finished 75mm below finished ground level. To be Greenleaf ReRoot 2000 or similar approved.

Trees in soft ground
Trees shall be double staked and fixed to horizontal crossbar using rubber strapping, with rubber block positioned between the tree and cross bar.
Stakes shall be 60mm diameter treated softwood, driven firmly into ground either side, and not through the rootball, with tree central between the stakes. The above ground height of the stake should be a minimum of a third of the stem high. All trees to receive perforated watering pipes surrounding root ball.



SECTION TREE PIT AND STAKING DETAIL (SELECTED STANDARD TREES)
NTS

Tree Aftercare
Any necessary formative pruning will be carried out and where appropriate woodchip/bark mulch applied to a depth of 75mm, and to at least the edge of the planting pit.
A properly planned maintenance programme should be kept up until successful establishment of the trees. This may include watering when necessary, checking of the support systems, weed control and further mulching.

Proposed Areas of Shrub Planting
Shrub areas to have minimum 300mm depth of good quality imported cultivated topsoil, free from bricks, large stones and other rubbish.

Ornamental Hedge
Ensure all plants are bushy to provide joined up length of hedge. Trim all hedges at planting to ensure neat appearance and promote new growth.

Trees to be retained
All to be protected in accordance with BS 5837:2012 Trees in Relation to Construction

Scale: 1:200 @ A1
0 1m 10m

A	1. Soil remidiation notes added 2. Amendments to planting rear of number 2b Osiers Road.	cjn	09.10.19
Revisions		Dwn.	Date

Project
Proposed Residential Development, Willow Walk, Spalding

burmor construction

Drawing
Landscape Proposals

Status
For Planning, Tender & Construction

Date 18.06.2019		Drawn cjn	
Dwg. No. 19.1446.001	Revision A	Checked cjn	

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