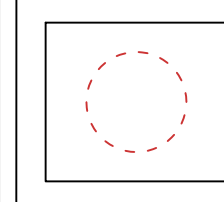


Trees to be retained
All to be protected in accordance with BS 5837:2012 Trees in Relation to Construction



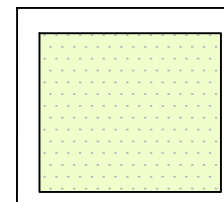
Trees to be removed

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 fillth 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.
Recommended depth after settlement:
Grass Areas: 100mm
Shrub Areas: 350 to 450mm
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 vigorous. 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.
MycorFence 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.

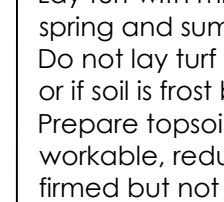
All new tree planting shall comply with BS4043:1989 Transplanting root-balled trees and BS3936:1992 Nursery Stock Part 1. Specification for Trees and Shrubs.

Follow good modern horticultural practice in any proposed soft landscaping

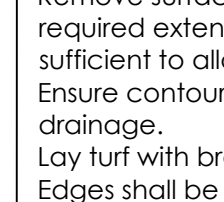
Based on JG-A Site Layout 19021 004 P01 dated 21st June 2019.
See drawing 19.1433.001 for Plant Schedule.



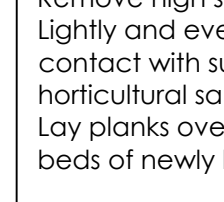
Grass Turf
Lay turf with minimum delay after lifting, within 18 hours during spring and summer and 24hours autumn and winter. If required stack in piles not higher than 1m.



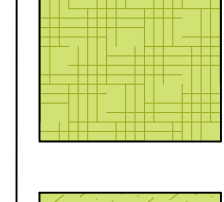
Grass seeding to base of attenuation basin.
Area to base of attenuation area to be seeded with Emorsgate EM8 Meadow Mixture for Wetlands at a sowing rate 5g/m2. Refer to supplier for ground preparation and seeding instructions.



Grass seeding to sides of attenuation basin
To be seeded with Emorsgate EM3 Special General Purpose Meadow Mixtures at 5g/m2. Refer to supplier for ground preparation and seeding instructions.



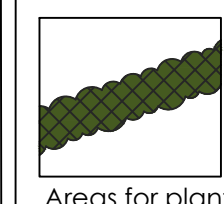
Clover Rich Amenity Grass
This area of clover rich lawn will be beneficial to bees and other insects. The lawn can be maintained by periodic mowing to prevent the grass species becoming too high or untidy. Once the clover flower season has finished the lawn can be mown as a regular amenity grass.
Sow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



Area of existing grass and willow retained
The existing sward is diverse. Where possible retain area and incorporate into open space to provide valuable bio-diversity. Mow areas twice per year only in early summer and early autumn.

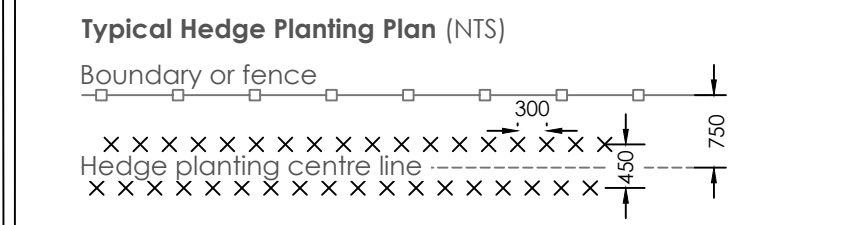
Bare patches should be allowed to regenerate naturally with existing seed bank with in soil.
Control pernicious weeds as required.

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 achieve a firm, fine fillth suitable for seeding.The seed bed shall be free from unevenness, hollows, depressions and soft areas so that an evenly graded grass surface can be achieved.
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 fillth a granular pre-seedling fertiliser N:P:K ration 10:15:10 at a rate of 40 grammes per m2. Do not apply fertilisers to wild seed areas. Sow according to suppliers instructions.



Proposed Native Hedgerow
To be planted at 5 plants per linear metre in double staggered row. All with spiral rabbit guards and secured with bamboo cane.
Plant at 750mm from fence boundary.
Areas for planting shall be treated with a translocated herbicide such as Glyphosate to clear any existing weeds before planting, the ground shall be cultivated to a depth of 300mm. Whips shall be pit planted, with backfill mixed with 70grams of Enmag slow release fertiliser.
All stock delivered to site shall be of proven British provenance, a certificate shall be provided to the Landscape Architect to prove provenance of plants prior to delivery to site.
Dip all roots into MycorForce Whip Dip prior to planting.

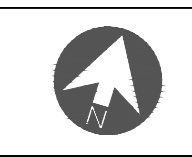
Typical Hedge Planting Plan (NTS)



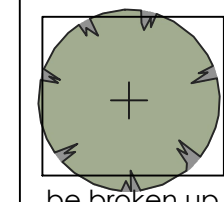
Mix	Native Hedge	NH1	NH2	NH3	Size	Ths
10%	Acer campestre	23	11	34	1+1 80-100 br transplant	187
10%	Corylus avellana	23	11	34	1+1 80-100 br transplant	187
50%	Crataegus monogyna	113	105	168	1+1 80-100 br transplant	187
10%	Ilex aquifolium	23	11	34	60-90 3L container	187
15%	Prunus spinosa	34	17	50	1+1 80-100 br transplant	280
5%	Rosa canina	11	6	17	1+1 40-60 br transplant	94

Mix	Native Hedge	NH4	NH5	NH6	Size	Ths
10%	Acer campestre	63	10	46	1+1 80-100 br transplant	187
10%	Corylus avellana	63	10	46	1+1 80-100 br transplant	187
50%	Crataegus monogyna	315	50	230	1+1 80-100 br transplant	187
10%	Ilex aquifolium	63	10	46	60-90 3L container	187
15%	Prunus spinosa	95	15	69	1+1 80-100 br transplant	280
5%	Rosa canina	32	5	23	1+1 40-60 br transplant	94

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Do not scale from this drawing.



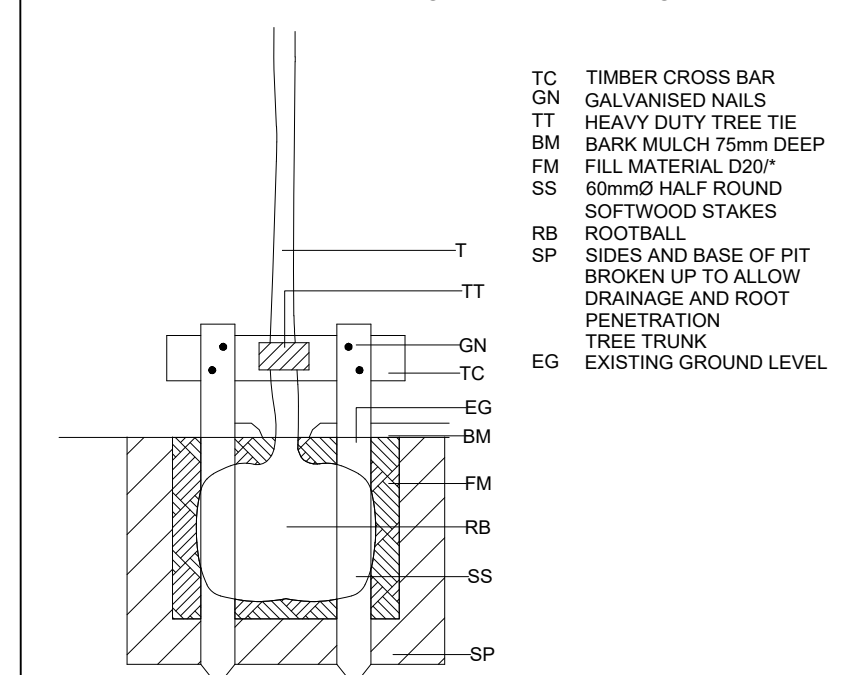
KEY & NOTATION



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 2% mix of good quality topsoil and an on 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 existing 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.



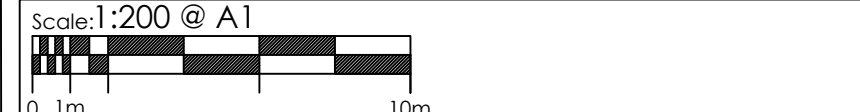
TC TIMBER CROSS BAR
GN GALVANISED NAILS
TT HEAVY DUTY TREE TIE
BM BARK MULCH 75mm DEEP
FM FILL MATERIAL D20"
SS 60mmD HALF ROUND SOFTWOOD STAKES
RB ROOTBALL
SP SIDES AND BASE OF PIT BROKEN UP TO ALLOW DRAINAGE AND ROOT PENETRATION
EG TREE TRUNK
EG EXISTING GROUND LEVEL

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.

Scale: 1:200 @ A1



0 1m 10m

B	Updated to JGA Proposed Site Layout 19021 0102-P13	cjc	28.04.21
A	1. Updated to JGA	cjn	24.07.19
	2. drawing 19021 0102 P06		
Revisions		Dwn.	Date

Project
Proposed Residential Development,
Low Road, Crowland



Drawing
Landscape Proposals Sheet 2 of 3

Status
For Planning, Tender & Construction

Date 30.04.2019	Drawn cjn	
Dwg. No. 19.1433.002	Revision B	

Francis House, Coventry Road
Burghage, Leics LE10 2HL
T: 01455 811 800
E: info@ianstemp.co.uk
www.ianstemp.co.uk



Landscape Architecture Landscape Planning Urban Regeneration & Design