

Potential Conflict: Damage to trees due to the proximity of the new dwellings.

To the south and east of the new dwellings are trees shown on site plan. Toes within this location may have root or branch tissue that extends into the site and could subsequently be damaged during construction or could cause conflict and could subsequently be damaged atting construction or could cause conflict.

# Potential Conflict: Damage to Trees due to the new access driveway. The location of the new access driveway is outside the root protection these trees and should not lead to damage of underlying root tissue.

unacceptable damage to the upper root plate of frees due to compaction, root severance, and none permeability; however, as no TPO'd frees are located adjacent the new driveway there is no conflict for this element.

### Pre-Development and Site Preparation Works

- Tree work Recommendations' 2010.

  Pilor to any further sile works the free protection barriers need to be erected in order to protect the trees from damage; this must remain in situ during the entire build process. The fencing needs to be erected according to the locations found on the Tree Protection Plan, and to the specification. All weather notices should be attached to the fencing marked with the following:

  "Construction Exclusion Zone Keep Out" or a reserve of the street of th

- All ground levels where trees are located should be maintained. Changes to soi levels adjacent to trees can severely affect the trees structural integrity and its ability to gain makine and millents from the surrounding soil. Intovoidable level changes that may affect retained trees, and not already accounted for within this method statement, should be assessed by a qualified arboriculturalist so that any remedial works can be undertaken.
- works can be undertoken.

  Bullding melarial storage and operations that can contaminate soil, such as cement mixing, must be confined to areas outside the tree protection area.

  Fires should not be lift within 5m of the follage or drip line of the tree. Care should be taken and the fire should not be a contained to the contained the process of the contained the should not be allowed to become large, and the wind direction
- noted.

  The trees should not be used to attach notices, cables or other services.

  Where plant or other boomed vehicles are used an site care must be taken to ensure that no contact is made with any retained trees or the tree protection fencing, and that adequate clearances are checked prior to any lifting operations near trees cover.

  No utilities should be located within the root protection areas of retained trees. Where installation or alteration to existing underground services has been agreed near or adjacent to trees, all works shall conform to the requirements of National Joint Utilities Group publication Volume 4 (November 2007).

### Post-Construction Considerations

- \*\*Ost-Construction Considerations

  Only once all construction was have been completed can any protective fencing any ground protection be removed. 
  The access driveway will be constructed to an agreed specification utilising a free centred construction methodology with the use of minimal excavation such as required by the previously discussed fleet-power system a hand-prepared 100mm excavation with compacted gravel on a geo-leatile and a wearing layer of a fully permeable stone/furber matrix. Further details for this system and its excavation requirements are included within Appendix 4. 
  Post development landscaping should be kept to a minimum within the root protection areas of retained trees. No ground excavation or mechanised ground treatments / rotavation will be undertaken within the protected areas, with all landscaping being undertaken by hand or with hand operated machinery.

# Potential Conflict: Damage to trees due to the construction process.

## Potential Conflict: Damage to trees during installation of utilitie

Miligation / Countermeasure: No new utility runs must be located within any of the retained trees RPA's. Any works to existing utilities must be undertaken with regard for the retained tree cover and be in accordance with NJUG (National Joint Utility

# Potential Conflict : Damage to trees following construction due to

Trees can be damaged following construction when landscaping of gardens and tre planting is undertaken.

Miligation / Countermeasure: Post development landscaping will be kept to a minimum within the root protection areas. Tractor mounted rotavation or other heavy mechanical cultivation must not be used within the root protection areas of retained trees. All cultivation within RPA's will be carefully undertaken by hand or pedestrian controlled light machinery to avoid root dramages.

Proposed Native Hedgerow Mix							
Species	Mix	Size	Condition				
Conylus avellana	5%	60-80cm	В				
Crataegus monogyna	80%	60-80cm	В				
llex aquifolium	15%	50-60cm	2L				
Prunus avium	5%	60-80cm	В				
Prunus spinosa	5%	60-60cm	Б				
Rose canine	5%	60-80cm	В				
Sambucus nigra	5%	60-80cm	В				

Above to be plated in species groups of varying sizes between 5No and 10No at a rate of 5 per linear metre in double staggered row 30cm aport for lengths of new native hedgerow and to gap up existing where necessary or as indicated on plan.

## **Proposed Trees**

Code	Plant Name	Form	Ht(cm)	Girth(cm)	CStm(cm)	Root	Cntr(I)
PaP	Prunus avium 'Plena'	Standard (Heavy)	350-425	12-14	175-200	С	45
Sar	Sorbus aria	Standard (Heavy)	350-425	12-14	175-200	С	45

GENERAL NOTES

Plant Sourcing and Handling

All plants shall be of a native so ource grown in the UK. Wherever possible, plants wil have been grown from seed, cutting or root stock of a local provenance. Plants and trees shall comply with BS 3936, being healthy, vigorous, bushy plants with of librous, well rooted system that is in proportion to the size of the plant. Planting st accordance with BS 4428.

# be in accordance with BS 4428. Seeding All areas of placed sub/topsoil within the site which are not a

All areas of placed sub/lopsoil within the site which are not planted or surfaced wib seeded with a low maintenance wildflower weed mix such as British Seed Houses A22 Mix or equivalent approved.

Planting Preparation
Topsoil depths are to be a minimum of 300mm for planted areas and 150mm for seeded areas, it is unlikely that topsoil will need to be imported, however, if necessary it will comply to 83 5882;1994. Notich planting will generally be used for feathered stock and standard theres. The preparation of planting bits will comply with 83 428 and 85 5837 and will not take place when the ground is either frazen streteninged.

waterlogged.

Rubbish and Debris

A certain amount of litter, debris and redundant objects have accumulated around the site. Where possible this should be removed from site or buried locally. All litter is to be removed from site on the result of the removed from the ond recycled where possible.

All titer is to be removed from site and recycled where possible.

Maintenance
All plannling will be maintained in such a way as to exclude competitive plants. Any
Maritanean and the such as the suc

season following accupation of building or completion of development whichever is sooner.

Replacements
Any frees, shrubs or hedges planted in accordance with these proposals which are removed, die, become severely damaged or become seriously diseased within five years of planting shall be replaced within the next planting season by trees, shrubs or hedging plants of similar size and species to these originally required to be planted.

## SPECIFICATION

PLANTING SPECIFICATION
All work and materials shall be in accordance with current British Standards Components and to Code of Practice.

British Standards Components and to Code of Practice.

a) Remove general builders rubble, rubbish and the like trom the areas to be planted, such moterals to be of a consistent of the planted such moterals to be of a consistent of the consistent

Transplant Areas
It is assumed that the existing topsoil will be suitable for re-use, if this is not the case then the Contractor should provide a rate for the supply of approved topsoil.

# CULTIVATIONS AND PLANTING Tree and Shrub Planting - Planting Pits

a) Excavate tree pits as follows:-Std, HS, EHS trees, 1000x1000x1000mm deep

b) Loosen base to a further depth of 200mm and scarify sides. Dispose of unsuitable excavated material off site to approved fip.

cupiroved in).

c) Tree stakes to be pressure treated, minimum diamete 65mm and pointed at one end. Stakes to be driven into the pit before planting to a minimum depth of 300mm below the base of the pit.

below the base of the pit.

Std. 18. Ets trees, Double Stated
Feathered Single stated
Feathered Single stated
If Iree or transplant to be planted in pit to a depth and
afrientation related to the original growing position in the
rusery and backfilled with the excepated toposal mixed
with approved tree and shrub planting compost in the
following amounts.

Std. 18. Ets State Time
Transplant & State Time
Transplant & Hites Transplant
e) Trees to be first the supporting stakes with
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and stated the size of t egimees to be tied to the supporting stakes with adjustable reinforced rubber tree ties with solid rubber spacers, positioned at an approved point suitable to the habit of the tree.

f) Water to be applied to all trees and transplants on the same day as planting: Std, HS, EHS trees, 30 litres/tree Feathered 1B, litres/tree Iransplants Siltres/transplants

## MAINTENANCE - SOFT LANDSCAPE

MAINTENANCE SAIL TO RESPONSIBLE for the control of the works and will be responsible for any defects due to faulty materials, including plant follarse, a workmartisky during this me. b) The Control of sail com out maintenance and at suitable weather controllors.

c) 48 hours notice in writing shall be given before commencement of any maintenance operations. Failure to do so will result in non payment for any supposed work carried out.

Defects Liability Period
a) Any trees and transplants, found to be defective or missing for any reason before practical completion shall be pelaced by the Contractor entirely at his own experise.

of practical completion shall also be replaced to the original specification by the Contractor entirely at his owr expense.

b) Apply translocated herbicide to a 1.0m. dia around each transplant and tree or as directed by Landscape Designer.

Allow 3 no. visits per year.

a) Bark mulch to be reinstated to original depths at the end of each growing season.

Watering

a) All planting shall be watered with a low pressure hose during dry spells within the first year only at the following rates:

Std. HS. EHS trees. 30 litres/tree/visit Feathereds 18 litres/tree/visit Shrubs/Transplants - 5 litres/plant/visi

# a) At the end of the establishment period, 30gms of slow release fertiliser to be applied around each plant.

Firming In

a) All plants and tree stakes loosened by planting operations, wind or frost shall be firmed in.

Allow 1no. visit per year.

Litter Collection
a) Whole site to be kept in a clean and tidy conditions throughout the establishment period. Litter to be removed from site.

Allow 20 no. visits per vear

PROJECT LAND TO REAR OF 439-443 THORNABY ROAD THORNABY DRAWING TITLE :

CLIENT: 1987-21

01642 780129

**PLANNING** PURPOSE OF ISSUE : SCALE: AS NOTED

ARCHITECTS

DATE: OCT 22

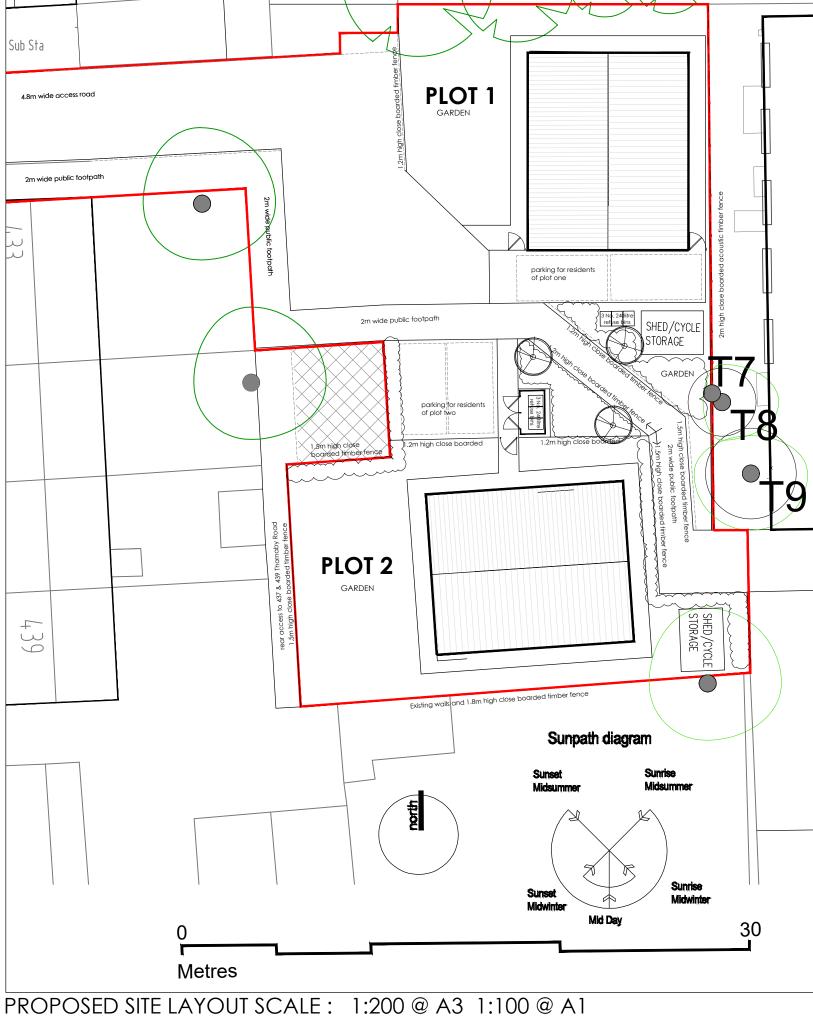
DRAWING NO: 1987-21-201

C 22-08-23 RED LINE AMENDED TO REAR OF 437 &439
B 18-08-23 SITE LAYOUT AND HOUSE TYPES AMENDED
A 04-01-23 FENCE DETAILS UPDATED - SBC HIGHWAYS

sjd Architects Ltd

Tanners Bank Design Studio Aislaby Road Eaglescliffe

REV DATE DETAILS



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and criminal prosecution All dimensions to be verified on site prior to any shop or site works being commenced.

Any discrepencies to be reported to the Architect BEFORE any work is put in hand.

This drawing must be read in conjunction with relevant consultants and specialists drawings.