Barrow Hill Quarry, Mill Lane, Earl Shilton . Landscape Proposals

Clover Rich Amenity Grass
Existing grass areas in good condition can be retained
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.

Amenity Grass Seeding General
Minimum 100mm cultivated topsoil. Topsoil to BS3882:2007.
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 100mm including all consolidation, rolling, harrowing or raking to achieve a firm, fine tilth suitable for seeding.The seed bed be 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 diametre 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.

Notes
All soft landscape works to be carried out in accordance with the following guidelines;
BS4428:1989 Code of Practice for General Landscape Operations.
BS8545:2014 Trees from Nursery to Independence in the Landscape. Recommendations.
All new planting stock shall comply with the following guidelines;
BS4043:1989 Transplanting root-balled trees
BS3936:1992 Nursery Stock Part 1. Specification for Trees and Shrubs.
Follow good modern horticultural practice in any proposed soft landscaping.
Planting compost shall be entirely free of peat. Proprietary products based on composted straw, manure or coir are acceptable, but products based on wood
chips or bark shall not be used.

Implementation
Planting of all boundary trees and hedgerows and associated works shall take place in the first planting season following start of any works on site.

Internal planting of trees and grass seeding shall take place in the first season following completion of any hard works and preceding any first use of lodges, be they phased or completed all at once.

Access Road and Parking Bays

Unbound granular road suitable for light traffic (up to 50 vehicles/day).
Designed life: 10 years (with routine maintenance).

Built using locally available crushed stone or Type 1 material.

Materials
a. Subgrade

Minimum CBR 5% after compaction (SHW Clause 613).

Where CBR < 5%, provide capping layer (see below).

Remove all topsoil, vegetation, and soft spots.

b. Capping Layer (if required)

Material: Class 6F2 or 6F5 (granular capping), max size 125 mm.

Compacted thickness: 150–300 mm depending on ground strength.

Compaction: 95% of maximum dry density (BS 1377).

c. Sub-base

Material: Type 1 or Type 2 unbound mixture (Clause 803).

Type 1 = crushed limestone, granite, or recycled aggregate (0–40 mm).

Type 2 = slightly lower quality, more fines (cheaper, for lower traffic).

Thickness: 150–200 mm compacted (rural low-traffic).

Compaction: 98% MDD (BS 1377).

Grading per Table 8/2, SHW Clause 803.

d. Surface Course (Optional)
50 mm well-graded gravel compacted tight with roller.

Proposed Native Scrub/Shrub Planting

To be planted within the specified areas shown below. Areas for planting shall be treated with a translocated herbicide such as Glyphosate to clear any existing weeds before planting. After herbicide has taken effect cultivate the area to a coarse tilth 250mm deep. Whips shall then be pit planted, with backfill mixed with 70grams of Enmag slow release fertiliser. Gently firm in by treading. All stock delivered to site shall be of proven British provenance, a certificate shall be provided to the Landscape Architect to prove provenenance of plants prior to delivery to site. All to have Tubex Netguard, 60cm high and 150mm diameter, dark green colour. To be fixed to firmly anchored softwood timber stakes using 2no. plastic cable ties. Dip all roots into MycorForce Whip Dip prior to planting. Contact supplier for application details, Tel:English Woodlands Burrow Nursery 01435 862992.

Plant Numbers for Native Planting Areas

%	Species	NP1				Size	Ttls
10	Betula pendula	20				1+1 80-100 br	20
20	Corylus avellana	40				1+1 80-100 br	40
40	Crataegus monogyna	80				1+1 80-100 br	80
15	Ilex aquifloium	30				1+1 80-100 cg	30
5	Rosa canina	10				1+1 80-100 br	10
10	Viburnum opulus	20				1+1 80-100 br	20

Grass seeding to attenuation basin base

Area to base of attenuation area to be seeded with Naturescape N8 Waters Edge Meadow Mixture at a sowing rate 5g/m2. Refer to supplier for ground preparation and seeding instructions.

Wildflower / Grass Mix

Naturescape Long Season Meadow Mix N5 EL1, or equivalent, in accordance with suppliers instructions. Sow at 5g/m2.

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Plant Numbers for Native Planting Areas

%	Species	NP1				Size	Ttls
60	Corylus avellana	46				1+1 80-100 br	46
20	Salix caprea	15				1+1 80-100 br	15
20	Salix viminalis	15				1+1 80-100 br	15

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. MycorForce Transplanter shall be spread around the roots of each plant during planting at a rate specified by the supplier.

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.
Recommended depth after settlement:
Grass Areas: 100mm / Shrub Areas: 300 to 450mm

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KEY & NOTATION

Site Boundary

Existing Scrub and Brambles
Any self set tree or areas of trees within area of bramble will be retained and managed for their long term retention and viability.

Proposed Tree Planting
Clear and maintain 2m radius within existing scrub areas. Positions may vary dependant on ground conditions and any localised self set trees within the scrub area.

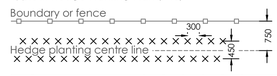
The excavated hole shall be of sufficient size to accommodate the root-ball or container, allowing approximately 500mm clearance.
Before planting the sides of the pit shall be broken up and the base dug over to a depth of 150mm to improve drainage. The tree will be planted to the same depth as it was 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.
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.

Tree Pit and Staking Detail (NTS)

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 provenenance 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				Size	Ttls
10%	Acer campestre	160				1+1 80-100 br	160
10%	Corylus avellana	160				1+1 80-100 br	160
50%	Crataegus monogyna	800				1+1 80-100 br	800
10%	Ilex aquifolium	160				60-90 3L	160
5%	Malus sylvestris	80				1+1 80-100 br	80
5%	Prunus spinosa	80				1+1 80-100 br	80
5%	Rosa canina	80				1+1 40-60 br	80
5%	Viburnum opulus	80				1+1 80-100 br	80

Revisions		Dwn.	Date
A	1. Implementation note added 2. Access road note added	cjn	22.10.25

Scale: 1:250 @ A1
0 2m 10m

Project
Barrow Hill Quarry, Mill Lane, Earl Shilton, Leics.

Drawing
Detailed Landscape Proposals 1 of 3

Status
For Planning, Tender & Construction

Date
07.03.2025

Dwg. No.	Revision	Drawn	Checked
25.1920.002	A	cjn	cjn

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