

178 Mahonia aquifolium

Mah aq 30-40

EXISTING TREES AND SHRUBS

the prior approval of the Landscape Architect. Avoid damage to branches, trunks and roots of trees. All existing trees & hedges to be retained are subject to BS 5837 (2005) 'Trees in relation to Construction -Recommendations', & should be fully fenced off, prior to the commencement of

protection area, as determined by Table 2 (p8).

No storage of materials, disposal of rubbish, site fires, spillage of oil and chemicals, ground compaction, excavation or changes in level shall be carried out within existing tree / hedge canoples.

All plants and planting to comply with the requirements of all current / relevant British Standard specifications including BS 3936: Part 1 (1992), Part 2 (1990) and Part 4 (1984) and BS 5236 (1975) where applicable, BS 4428 (1989) and the BALI / LI / Nursery Trade Tender Document (5th Edition 1986). All plants to be supplied in accordance with the plant schedule. Any plant material planted

outside the recognised planting season (Nov-Feb), to be contained stock and supplied at the sizes specified.

A suitable method of foundation allowing for existing ground conditions is to be provided to accommodate the proposed tree planting. All trees are to be planted as shown ensuring a minimum of 5 metres from buildings and 3 metres from drainage and services. Where necessary, root barriers to be installed (supplier Greenleaf or similar approval), as recommended by structural engineer. Allow for the use of container grown stock during the period 1 April to 31 October,

To BS 3882 (2007) as qualified by full contract specification. All areas shall be cultivated to a minimum depth of 150mm. Full weed, rubbish and stones over 20mm gauge shall be removed. Earth to be rolled as required and raked in two directions. Applied to all newly planted areas, to manufacturer's recommendations where

Shrub / structure planting beds - 450mm depth 1500mm dia. x 900mm depth Grass areas (incl. rear gardens) - 150mm depth

Where necessary increase tree pit dimensions to ensure that tree pits are at least 75mm deeper and 150mm wider than rootball. Break up bottom of pits to a depth of 150mm. Compacted glazed sides of pits should be roughened.

TOPSOIL IMPROVEMENTS

Applied to all newly planted areas, to manufacturers' recommendations where

2) Incorporate Alginure (Seanure Sollbuilder) Soll Improver approx. 1.5KG/m3 to tree pit backfill and 75g/m2 to shrub beds; 3) Incorporate Enmag (6:20:10) granular fertilizer approx 400g/m3 to tree pit backfill and 100g/m2 to structural/ornamental beds; 4) Watering - supply minimum 54 litres/tree and 4.5 litres/shrub at planting; 5) Mulch - lightly fork over planted areas before applying a 75mm depth 50-100mm grade bark mulch. Ornamental Bark to consist of predominantly matured British

Pine Bark with an even nominal particle size distribution of 5-35mm with 0% dust. & fines & less than 5% wood content. The product shall be pest, disease & weed free & not have been treated with Methyl Bromide or any additives. The product shall have been tested in accordance with the requirements of BS 4790: 1987, for fire resistance. NB - Watering to be carried out prior to application of bark mulch.

NB All to be British grown stock and fully hardened off.

Root Dip - Proprietary Root Dip applied to all bare rooted stock (1) at time of lifting at nursery and (2) prior to planting.

Anti-Dessicant - Proprietary anti-dessicant to be applied to foliage of all containerised/rootballed material in leaf, specimen conifers and evergreens etc. (1) prior to transportation and (2) during any delay in

Pruning - Allow for pruning of all deciduous trees and shrubs by 1/3rd following planting at Landscape Architects direction or as indicated in the

Tree Stakes & Ties - Stakes to be pressure treated, round, smooth and peeled Larch or Chestnut, not less than 100mm in diameter. Advanced nursery stock - double staked with cross bar.

PLANTING SPECIFICATION

Where existing trees & shrubs are to be retained they should be subject to a full

Any surgery required shall be in accordance with BS 3998 (1989) 'Recommendations thickness to be determined as follows: for Tree Work', shall comply with any existing T.P.O requirements and shall require

Ex / Hvy Std 100mm

Ex / Hvy Std 2

TURFED AREAS

Turf to BS 3969 from an approved source. When topsoil is reasonably dry and workable, grade to smooth, flowing contours removing all minor hollows and ridges. Cultivate soil to full depth and break up any compacted topsoil. Apply approved herbicide to control perennial weeds and allow period of time to elapse as recommended by manufacturer before final cultivation. Apply proprietary fertiliser. Reduce top 25mm topsoil to a fine tilth by further cultivation. Remove stones exceeding 50mm in any dimension. Lay turf with broken joints, well butted up, working from planks laid on previously laid turves, during appropriate season and weather conditions. Adjust levels by raking out or filling with fine soil under turves. Consolidate by lightly and evenly firming with wooden beaters as laying proceeds. Do not use rollers. Dress turf with fine topsoil and brush in to fill joints. Thoroughly water completed turf within 24 hours of laying.

TURFED AREAS: ESTABLISHMENT CUT

remain the property of the contractor.

Water all grass areas to maintain healthy growth. When grass is 50mm high remove debris, litter and any stones later in dry conditions cut grass to between 25-30mm. Remove and dispose of all arisings.

PROTECTIVE FENCING The contractor shall maintain fencing until all site works are completed. The contractor will then remove the fencing and reinstate the ground. The fencing will

Within the area so fenced, the existing ground level shall be neither raised nor lowered, all excavations shall then be carried out by hand The Local Planning Authority shall be advised in writing when the protective fencing

has been erected so that it can be checked on site before development commences, and shall thereafter be maintained during the period of construction.

Regular visits (minimum 18 No.) required during the defects liability period to maintain all planted areas in a weed and litter free condition using a combination of chemical spray and hand weeding to be agreed with the Landscape Architect. Maintenance to include watering, pruning, pest and disease control and re-mulching as required. Grass areas to be mowed at 2 week intervals during the growing season.

Structure planting areas shall be maintained as non competitive weed free environment by repeated applications of a glyphosate based herbicide. Persistent weeds and unwanted scrub shall be spot treated as necessary with an alternative herbicide to be agreed with the Landscape Architect.

Watering shall be carried out as necessary to maintain healthy growth or as required by the Landscape Architect. NB: Final visit to be immediately prior to handing over and to include a fertilizer treatment of Enmag (6:20:10) at 100g/m2 and 25mm depth bark mulch top up to all

BOUNDARY MIX PLANTING: FEATHERED TREES AND WHIPS Notch planting will not be permitted. All feathered trees and whips will be planted in prepared pits 600mm diameter x 600mm deep for feathered trees and 300mm

Each plant shall be placed upright in the centre of the pit with the roots spread evenly outwards and downwards without restriction, and backfilled with topsoil (to BS 3882: 2007), incorporating Fisons Tree Planting Compost at a rate of 10 litres/whip pit and 40 litres/feathered tree pit, well mixed with topsoil backfill in

Incorporate Alginure 'Seanure Soilbuilder' Soil Improver at a rate of 100 gms/whip pit and 325 gms/feathered tree pit, well mixed with backfill. Incorporate Fisons Ficote 70 (14:14:14) Controlled Release Fertilizer at a rate of 60 gms/whip pit and 510 gms/feathered tree pit, well mixed with backfill

Supply water at a minimum 4.5 litres/whip and 18 litres/feathered tree prior to bark

Feathered trees shall be staked using 1.0m long Larch or Chestnut stakes, round, smooth, and peeled with 75mm diameter at the point and not less than 50mm at the butt end, driven at least 600mm into the ground. Trees will be secured to the stake using a single 'Tom Tie' or similar approved securely nailed at a point 50mm from the top of the stake to ensure no rubbing or excessive movement

The plant shall be well firmed, with the soil level 10mm above nursery level to allow for settlement. Clear away surplus soil and after watering apply a minimum 75mm deep x 300mm diameter collar of 50-75mm grade coarse bark mulch. All tree species to be fitted with proprietry rabbit guards.

SAFETY PRECAUTIONS

The landscape sub-contractor is to take all safety precautions to prevent any injury to any persons. The landscape sub-contractor shall comply with the requirements of the Health & Safety at Work Act 1974 and current Construction, Design and

All subject to Local Authority approval.

diameter x 300mm deep for whips.

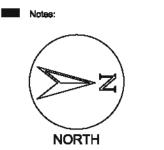
consolidated layers, shaking the trees to remove voids.

The Contractor is to check and verify all building and site dimensions, levels and sewer invert levels at connection points before work starts. The Contractor is to comply in all respects with current Building Legislation, British Standard Specifications, Building Regulations, Construction (Design & Management) Regulations, Party Wall Act, etc. whether or not specifically stated on this drawing. This drawing must be read with and checked against any structural, geotechnical or other specialist documentation provided. TREE STAKES, TIES & GUARDS Trees planted within grassed areas to be provided with appropriate conical strimmer guards. Stakes to be pressure impregnated softwood, round, peeled, straight, free of projections and pointed at one end. Minimum length and

This drawing is not intended to show details of foundations, ground conditions or ground contaminents. Each area of ground relied upon to support any structure depicted (including drainage) must be investigated by the Contractor. A suitable method of foundation should be provided allowing for edisting ground conditions. Any suspect or fluid ground, contaminates on or within the ground, should be further investigated by a suitable expert, Any earthwork constructions shown indicate typical slopes for guidance Where existing trees are to be retained they should be subject to a full Arboricultural inspection for safety.

All trees are to be planted so as to ensure they are a minimum of 5 metres from buildings and 3 metres from drainage and services. A suitable method of foundation is to be provided to accommodate the Sketch proposals are for Illustrative purposes only & as such are subject to detailed site investigation including ground conditions/contaminants, drainage, design & planning/density negotiations. Sketch proposals may be based upon enlargements of OS sheets & visual estimations of existing site features, accuracy will therefore need to be verified by survey. Sketch proposals have not been considered in respect of CDM Regulations.

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Landscape Key:

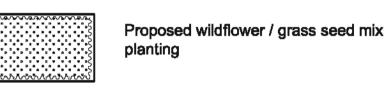
Existing trees to be removed (subject to LPA approval)

Proposed specimen shrub planting

Proposed ornamental shrub planting

Proposed shrub hedge planting ~~~

Proposed woodland type boundary mix planting



Proposed wildflower / grass seed mix

Proposed 450mm high timber trip rail to be erected where indicated

PROPOSED WILDFLOWER / GRASS SEED MIX PLANTING AREA (approx 948m2) Supplier: Nickerson (or similar approved) Product Ref: AWF 4 (Clay soils) / AWF 8 (Sandy Soils) 50:50 Mix: 80% Grass / 20% WildIfowers Rate: 4g/m2 = 3,792g / 3.792Kg Contact: Mr A Mason (01832) 272864 / 07885 137847

Wildflower Management:

Control weeds before sowing. Annual weeds may be hoed, buried or killed with a contract herbicide. Perennial weeds should be eradicated by a translocated glyphosate-based herbicide.

Sow mixtures either from early March to early May, or from early August to mid September, cultivate the ground to provide a fine, weed free seed bed, firm if necessary. Sow evenly at 4gms / m2, thoroughly mix one part seed with four parts dry sand to easily distribute

Rake seed in lightly with spring-tined rake and firm soil by treading or, preferably, rolling. Water with a fine spray and keep well watered and free from unwanted plants.

Cut the sward every six-eight weeks during the first year after sowing and remove the cuttings, in the following years cut in early spring before growth starts and in October once wild flowers have been shed - remove all cuttings.

Boundary Mix Planting (based upon 2 plants per m2)

ly	Species	Plan Ref	Form	Age	Height(cm)	Root	Container	Breaks	% Mix
99	Corylus avellana	Cory av		1+1 or 1/1	60-80cm	В		2/3	20.00
49	Crataegus monogyna	Crat mon		1+1 or 1/1	60-80cm	В		1-2	35.00
49	llex aquifolium	llx aq			80-100cm	С	10-12L		5.00
99	Prunus spinosa	Prun spin		1+1 or 1/1	60-80cm	В		2	20.00
99	Quercus robur	Que rob	Feathered	2x	175-200cm	RB		5	10.00
04	Rosa canina	Ros can		1+1 or 1/1	60-80cm	В		3/4	10.00

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For guidance only. Do not scale off this drawing

Name: Checked:

Revisions: Date: Amendment:

SHUTING YOU HONEY EVERY DRY New Asda Store Marsh Lane, Hayle

Title: Detailed Soft Landscape Proposals (Sheet 2 of 2)

Status: Planning Date: 17:09:2010 Scale: 1:200@A0

■ Job No: **AAR4807** Drg No: **LS:02** Rev

Architects Engineers Surveyors Landscape Architects Services Consultants