

**Materials & Boundary Treatment**

1:1



Dry Stone wall. Similar to existing on site



Close Panelled Fence



Toblemore Tegula Bracken and charcoal



Toblemore Tegula Bracken

NOTE:  
Materials are shown for discussion purposes only. To be agreed.

SECTION OF THE WALL LOWERED TO 600MM DUE TO VISIBILITY SPLAY  
WALL TO GRADUALLY STEP UP AFTER VISIBILITY SPLAY CLEARANCE

SHANN LANE

Boundary Hedge along Inside edge of Existing Stone Wall; Ref: H1

Existing Trees of Boundary to be protected - see Arboricultural Report

Boundary Hedge along Inside edge of Existing Stone Wall; Ref: H1



T1 - Acer campestre T2 - Sorbus aucuparia T3 - Quercus robur T4 - Betula pendula T5 - Malus sylvestris

**Proposed Landscape Plan**

1:500

**PLANTING SPEC**

**Boundary Thornless Native Hedge; Ref: H1**

Species	Size (cm)	Root	Percentage
Carpinus Betulus (Hornbeam)	60/90	BR	50%
Acer campestre (Field Maple)	60/90	BR	25%
Cornus sanguinea (Dogwood)	60/90	BR	10%
Euonymus europaea (Spindle)	60/90	BR	10%
Corylus avellana (Hazel)	60/90	BR	5%

**Fruit & Nut Native Hedge; Ref: H2**

Species	Size (cm)	Root	Percentage
Crataegus monogyna (Hawthorn)	60/90	BR	20%
Corylus avellana (Hazel)	60/90	BR	20%
Prunus spinosa (Blackthorn)	60/90	BR	20%
Ainus glutinosa (Alder)	60/90	BR	15%
Prunus avium (Wild Cherry)	60/90	BR	10%
Rosa canina (Dog Rose)	60/90	BR	5%
Viburnum opulus (Guelder Rose)	60/90	BR	5%
Sambucus nigra (Common Elder)	60/90	BR	5%

**Site Entrance Planting; Ref: H3**

Species	Size (cm)	Root	Percentage
Prunus avium (Wild Cherry)	60/90	BR	25%
Corylus avellana (Hazel)	60/90	BR	20%
Cornus sanguinea (Dogwood)	60/90	BR	15%
Rosa canina (Dog Rose)	60/90	BR	15%
Viburnum opulus (Guelder Rose)	60/90	BR	10%
Lonicera periclymenum (Honeysuckle)	60/90	BR	5%

**Native Hedge Mix for Repair of Existing**

Species	Size (cm)	Root	Percentage
Crataegus monogyna (Hawthorn)	60/90	BR	60%
Prunus spinosa (Blackthorn)	60/90	BR	20%
Acer campestre (Field Maple)	60/90	BR	10%
Cornus sanguinea (Dogwood)	60/90	BR	10%
Rosa canina (Dog Rose)	60/90	BR	10%

**Reinstating Grass Areas - General Amenity - Ref: G1; To Garden Plots Surrounding Amenity**

General Amenity Low Maintenance A22 perennial ryegrass; sowing rate 50 grams per Sq.M; prepare ground as per notes and in accordance with seed providers recommendation and specification.

**Wildflower Wetland Meadow - Ref: W1**

Area to be seeded with Emergote Seeds EMRF - wildflower species suitable for seasonally wet soils and is based on the vegetation of traditional floodplain and water meadows; sowing rate 1.5grams per Sq.M; prepare ground in accordance with seed providers recommendation and specification.

**Woodland Wildflower Seeding - Ref: W2**

Area to be seeded with Emergote Seeds EW1F - Wildflowers For Woodland Mixture which contains a good mixture of woodland wild flowers that will bloom in spring and early summer; sowing rate 1.5 grams per Sq.M; prepare ground in accordance with seed providers recommendation and specification.

**Wildflower Seeding**

Ref: WF1 - Area to be seeded with Special General Purpose Wild Flower mix; sowing rate 4g/m2. Seed mixes to be provided by Emergote Seeds. Ground preparation, sowing and maintenance to be in accordance with seed providers recommendations.

**TREE SPEC**

**Individual Native Trees**

Ref	Species	Root	Height (M)	Girth(cm)
T1	Acer campestre	RB	3.5 - 4.5	14 - 16
T2	Sorbus aucuparia	RB	3.5 - 4.5	14 - 16
T3	Quercus robur	RB	3.5 - 4.5	14 - 16
T4	Betula pendula	RB	3.5 - 4.5	14 - 16
T5	Malus sylvestris	RB	3.5 - 4.5	14 - 16

**Native Woodland Mix**

Note: Generally planting mixes shall be 1+1 transplants (45 - 60cm), bare rooted stock, REF: WD1

Species	Size (cm)	Root	Percentage
Quercus robur	45/60	BR	20%
Tilia cordata	45/60	BR	10%
Betula pendula	45/60	BR	10%
Acer campestre	45/60	BR	10%
Pinus sylvestris	45/60	BR	10%
Prunus avium	45/60	BR	5%
Salix alba	45/60	BR	5%
Crataegus monogyna	45/60	BR	5%
Prunus spinosa	45/60	BR	5%
Corylus avellana	45/60	BR	5%
Ilex aquifolium	45/60	BR	5%
Rosa canina	45/60	BR	5%
Sambucus nigra	45/60	BR	5%

**GENERAL NOTES**

**PLANTING GUIDELINES**  
All planting and landscape operations should comply with the requirements specified in BS5839:1992 NurseryStock (Part One) and BS 4428:1998 Code of Practice for General Landscape Operations (excluding hard surfaces). All topsoil and testing to conform to BS 3882:2015 Specification for Topsoil and Requirements for Use.  
Existing levels to be preserved around existing trees and protected during construction to BS5837:2012 - see Arboricultural Report.

**Proposed Tree Planting**

To be planted in the first available planting season after construction as root balled stock. Tree pit dimensions are subject to soil conditions and rootball size. All tree pits to have irrigation pipe and end cap. 150mm depth aggregate drainage layer with geotextile separation layer and horticultural grade sand to support root ball. All topsoil to conform to BS 3882:2015 'Multipurpose'. All backfilled material to include an organic slow release fertilizer (Vitag Q4HN or similar approved). Trees to have double stake support.

**Guidance for Tree Pit Sizes**

Tree Size As Spec	Rootball Size 50dia x 50cm	Tree Pit Size 100dia x 75cm
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**Proposed Hedge Planting**

To be planted in a minimum of 300-450mm depth approved topsoil to BS 3882:2007 'Multipurpose' or better in the first available planting season after construction. All shrubs are to be planted as bare root stock unless otherwise specified. All stock is to be well rooted into the container. All hedges are to be planted in double staggered rows. 250mm apart and 350mm linear separation, generally 5no. per metre. All shrubs are to be planted with a slow release organic fertilizer to a N.P.K ratio of 4.5:2.0:7.7-0.8% (vitax or similar approved) and backfilled with a mixture of excavated top soil and compost (not peat based). A minimum of 50 mm approved ornamental grade bark mulch is to be applied to planting areas unless stated otherwise. Fencing support for new hedges to be timber post and general pattern wire mesh to BS 1722-2; height 600mm; installed before planting hedge, lightly secure hedge plants to fence wires at appropriate intervals.

**Proposed Native Woodland Copse Planting**

All herbaceous material within the proposed planting area shall be sprayed out using an approved herbicide at least two weeks before planting and the ground shall be cultivated to a depth of 150mm. A 600mm diameter circle shall be sprayed out at each planting station using an approved herbicide at least two weeks before planting.

Proposed woodland is to be planted on an informal grid. To avoid straight lines each planting station can be moved up to 600mm in any direction. Major species generally to be planted towards the centre of each block.

To avoid straight lines each planting station can be planted towards the centre of each block in groups of 10 to 25 of the same species. All stock to be protected from rabbit damage using approved proprietary rabbit guards for trees and 60x200mm shrub shelters, secured with stakes and ties as advised by the manufacturer. Maintenance Using approved herbicides a 1m diameter circle centred on each planting station shall be kept weed free throughout the two year maintenance period.

**Maintenance Notes**

- Planting to be protected from mammal and human damage by stock proof fencing.
- Planted areas to be forked through regularly to keep soil loose and aerated.
- Watering as required to maintain healthy growth (allow for 24 N° waterings minimum).
- Any species that dies or fails to establish in the first five years should be replaced by an identical species.
- Allow for a minimum of 24 maintenance visits.

**Proposed Specimen/Ornamental Shrub Planting**

- To be planted in a minimum of 300-450mm depth approved topsoil to BS 3882:2007 'Multipurpose', laid over free draining subsoil in the first available planting season after construction.  
- All shrubs are to be planted as container stock unless otherwise specified (refer to specification for container size) all stock is to be well rooted into the container.  
- All shrubs are to be planted with a slow release organic fertilizer (Vitax or similar approved) and backfilled with a mixture of excavated top soil and compost (not peat based).  
- A minimum of 50 mm approved ornamental grade bark mulch is to be applied to planting areas unless stated otherwise.

**Seeding / Turfing**

- Carry out the work while soil and weather conditions are suitable.
- When preparing ground for seeding cultivate to a fine, firm tilth with good crumb structure; avoid works in the vicinity of Root Protection Areas as per Arboricultural report.
- When sowing establish good seed contact with the root zone. Grass seed generally between April to June or August to October.
- For turfed areas prepare a bed of 50mm minimum depth approved topsoil to BS3882 Multipurpose, laid over free draining subsoil.
- Do not lay turf when persistent cold or drying winds are likely to occur or soil is frost bound, waterlogged or excessively dry.
- Consolidating; lightly and evenly firm as laying proceeds to ensure full contact with substrate. Do not use rollers.
- Thoroughly water completed turf immediately after laying.
- Sowing rate 1.5 grams per Sq.M; prepare ground in accordance with seed providers recommendation and specification.

Item	Description	Completion Date
D	Public footpath layout	04/12/18
C	Masterplan update new levels	16/10/18
B	Planning Update, Comment incorporated	09/08/18
A	Update from comments	08/03/18

Status PLANNING

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**Lathams**  
ARCHITECTURE + URBANISM

Project High Shann, Keighley

Client Chatsworth Settlements Trustees

Drawing Title Proposed Landscape Plan

Drawing Number 7280\_08\_10\_03

Revision D

Scale As indicated

Date 17/10/18

Drawn LS

Checked SF

Lathams Job Number 7280

Original Size

A1