

HAVERTON HILL ROAD

Native hedge  
 55 No. Acer campestre 10%  
 55 No. Corylus avellana 10%  
 220 No. Crataegus monogyna 40%  
 28 No. Ilex aquifolium 5%  
 83 No. Prunus spinosa 15%  
 52 No. Rosa carolina 10%  
 55 No. Sambucus nigra 10%

121 No. Lonicera pileata 'Maygreen'  
 87 No. Choisya ternata  
 87 No. Potentilla fruticosa  
 96 No. Hydrangea arborescens 'Annabelle'

47 No. Berberis cordifolia  
 1 No. Prunus avium  
 1 No. Tilia x europaea

**Planting Schedule**

Number	Species	Height	Specification
1	Acer campestre	14-16cm	Extra Heavy Standard
4	Alnus glutinosa	14-16cm	Extra Heavy Standard
4	Betula pendula	14-16cm	Extra Heavy Standard
2	Prunus avium	14-16cm	Extra Heavy Standard
8	Sorbus aucuparia	14-16cm	Extra Heavy Standard
1	Tilia x europaea	14-16cm	Extra Heavy Standard
<b>Total: 12</b>			

Number	Species	Height	Pot Size	Specification	Density
47	Berberis cordifolia	25-30cm	1	C	4/m <sup>2</sup>
283	Choisya ternata	40-60cm	3	C	4/m <sup>2</sup>
75	Cytisus scoparius	40-60cm	3	C	9/m <sup>2</sup>
728	Geranium macrorrhizum 'Ingwersen's variety'	40-60cm	3	C	4/m <sup>2</sup>
86	Hebe buxifolia	30-40cm	3	C	4/m <sup>2</sup>
277	Hydrangea arborescens 'Annabelle'	40-60cm	3	C	9/m <sup>2</sup>
121	Lavandula angustifolia 'Munstead'	40-60cm	3	C	4/m <sup>2</sup>
121	Lonicera pileata 'Maygreen'	40-60cm	3	C	4/m <sup>2</sup>
87	Miscanthus sinensis 'Farrer Osten'	40-60cm	3	C	6/m <sup>2</sup>
121	Potentilla fruticosa	40-60cm	3	C	4/m <sup>2</sup>
121	Viburnum davidii	40-60cm	3	C	4/m <sup>2</sup>
107	Viburnum opulus	40-60cm	3	C	9/m <sup>2</sup>
80	Viburnum tinus	40-60cm	3	C	9/m <sup>2</sup>

Number	Species	Height	Specification	Percentage Contribution
50	Acer campestre	60-80cm	B	10%
50	Corylus avellana	60-80cm	B	10%
40	Crataegus monogyna	60-80cm	B	40%
46	Ilex aquifolium	40-50cm	B	5%
136	Prunus spinosa	40-60cm	B	15%
50	Rosa carolina	60-80cm	B	10%
90	Sambucus nigra	60-80cm	B	10%
<b>Total: 90%</b>				

**Note:**  
 Hedge planting to be established in double staggered row, 300mm between rows, plants equally spaced with 6 no plants per linear metre.

Tree planting to be double staked using 75mm diameter pointed softwood stakes treated with Tanalith E Class 4.0. Stakes to be driven into ground 1500mm below finished soil level and be 600mm above ground. Trees to be secured to stakes using 75x38mm Tanalith E class 4.0 treated softwood cross bar, nailed to stakes using galvanised nails and adjustable rubber tree ties.

GreenBlue Urban ReRoot 1000 root barrier system within 6M of all service locations installed in compliance with manufacturers installation instructions.

GreenBlue Urban Root Rain urban irrigation system RRURB1.

1 x 1 x 1m tree pit backfilled with approved topsoil and additional multi-purpose topsoil to BS3882 thoroughly mixed with Melcourt Topgrow Planting Compost in ratio 2:1 as specified. Include for Enmag slow release fertiliser at 100gms per pit, and backfill in 150mm layers firming in before next layer is added. Break up bottom of pit 200mm deep and sides where root barrier is not installed.

Typical section through tree pit / hedge / shrub planting / grass.  
 Scale 1:25

**Planting Specification**

All work and materials shall be in accordance with current British Standards components and Code of Practice.

**SITE CLEARANCE**

- Remove general builders rubble, litter and any stones greater than 75mm in size from the areas to be planted. Such materials are to be collected and taken to the Contractors tip or disposed of on site as directed.

**EARTHWORKS**

**Planting Areas**

- Approved topsoil, both site won and imported, shall be led onto site and spread evenly on the approved formation to give a finished depth of 150mm for grassed areas, 450mm for shrub planted areas and 1000mm depth for tree pits. All topsoil to be placed on a minimum of 300mm depth of subsoil.
- Finished levels of topsoil in grassed areas to be 25mm above adjoining paving. Finished level of topsoil in shrub beds to be 50mm lower than adjacent edge to allow placing of bark mulch.
- Supply and spread approved fertiliser such as SAI Enmag or similar standard at the rate of 70g/m<sup>2</sup> to be worked into top 200mm.

**CULTIVATIONS AND PLANTING**

**Planting Areas**

- Shrub beds shall be cultivated prior to planting to produce a medium silt and all weeds, stones and other debris arising from this work are to be collected and removed from site.
- Spread approved tree and shrub planting compost over the planting beds at a rate of 20 litres/m<sup>2</sup> and work into the top 200mm.
- Shrubs to be sited in locations, numbers and densities shown in the planting schedule and on the soft landscape drawings. Shrubs to be placed to achieve an even spacing and matching of shapes. All shrubs are to be planted at the depth at which they have previously been growing, allowing for soil settlement after planting.
- Surfaces of shrub planting areas shall be left clean and neat with a raked surface between the planting during and on completion of planting.
- Immediately after planting all containerised plants shall be watered with 5 litres of water per plant.
- All grass edges to be cut vertically with an edging iron to a depth of 100mm. Resultant edges to be clean and straight or an even smooth radius. Edges to be left neat and tidy with ground on shrub side meeting cut face at an even gradient. All cuttings to be removed from site.
- A 50mm layer of matured coriander bark to be spread over planting areas and tops of tree pits, at least 75% of which shall exceed 60mm particle size and shall contain a minimum of wood particles, the bark to be pest, disease and weed free.

**Tree Planting - Planting Pits**

- Excavate tree pits as follows:  
 Standard / Feathered trees - 1000 x 1000 x 1000mm  
 Semi-Mature trees - 1500 x 1500 x 1000
- Loosen base to a further depth of 200mm and scarify sides. Dispose of unsuitable excavated material off site to approved tip.
- Trees to be double staked with stakes positioned parallel to the adjacent kerb line or paving. Tree stakes to be pressure treated, minimum diameter 65mm and pointed at one end. Stakes to be driven into the pit before planting to

- Trees to be planted in pit to a depth and orientation related to the original growing position in the nursery and backfilled with the excavated topsoil mixed with approved tree and shrub planting compost in the following amounts:-  
 Feathered trees - 60 litres/tree  
 Standard trees - 95 litres/tree  
 Heavy standard trees - 120 litres/tree  
 Semi-mature trees - 150 litres/tree
- Trees 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.
- Proposed trees within 3m distance from buildings or services, or within 2.5m of roads/parking areas are to have root barriers installed.
- Water to be applied to all trees and transplants on the same day as planting:-  
 Feathered trees - 36 litres/tree  
 Standard trees - 36 litres/tree  
 Heavy Standard trees - 42 litres/tree  
 Extra Heavy standard - 48 litres/tree

**Grass Seeding**

- Areas for seeding to have topsoil depths of min. 150mm apart from wildflower areas where seed should be sown directly onto subsoil.
- One month prior to sowing, areas shall be harrowed to a depth of 100mm followed by chain harrowing to a depth of 50mm to produce a fine silt. Finished surfaces to be rolled with a Cambridge roller.
- All weeds, stones and other debris arising from this work shall be collected and removed from site to the Contractors tip.
- All grassed and broad-leaved plants which emerge between cultivations and seeding shall only be treated with an approved translocated herbicide before sowing.

**Minor Grading**

- Finished levels of amenity grass areas to be 25mm above adjoining paving or kerbs. Levels to be arranged to give gentle falls for drainage purposes.
- New areas to be married in to adjoining soiled areas.

**Final Cultivations**

- The surface for seeding should be 25mm deep and free from weeds and stones.

**Sowing**

- Grass Seed Mixes  
 a - Germinal Seeds Ref: 'A22 Low Maintenance' sown at recommended rate of 5g/m<sup>2</sup> or similar approved.  
 b - Germinal Seeds Ref: 'WFG18 Butterfly and Honeybee' sown at recommended rate of 5g/m<sup>2</sup>, or similar approved.

**Procedure**

- The Contractor shall purchase fresh grass seed each season throughout the contract period. The grass seed shall be made up of certified seeds under EEC regulations. The seed shall have a certified germination of not less than 10% and a certificate of purity of not less than 90%. Total weed seed and other crop seeds content shall not be more than 15%. Seeds shall be obtained at least 21 days before sowing.

**LEGEND**

- Existing trees to be retained and protected in accordance with BS 5837:2012 as required.
- Existing trees to be removed as part of the development.
- Proposed native tree planting. Refer to schedule for details.
- Proposed native hedge planting. Refer to schedule for details.
- Proposed shrub planting. Refer to schedule for details.
- Proposed amenity grassed areas to be seeded with 'A22 Low Maintenance' by Germinal or similar on min. 150mm topsoil on min. 300mm subsoil as per specification. Sown at the recommended rate of 5g/m<sup>2</sup>.
- Proposed wildflower seed mix to rear areas to be Germinal Seeds Mix 'WFG18 Butterfly & Honeybee' at the recommended rate of 5g/sq m. To be left uncult and strimmed only twice per year.

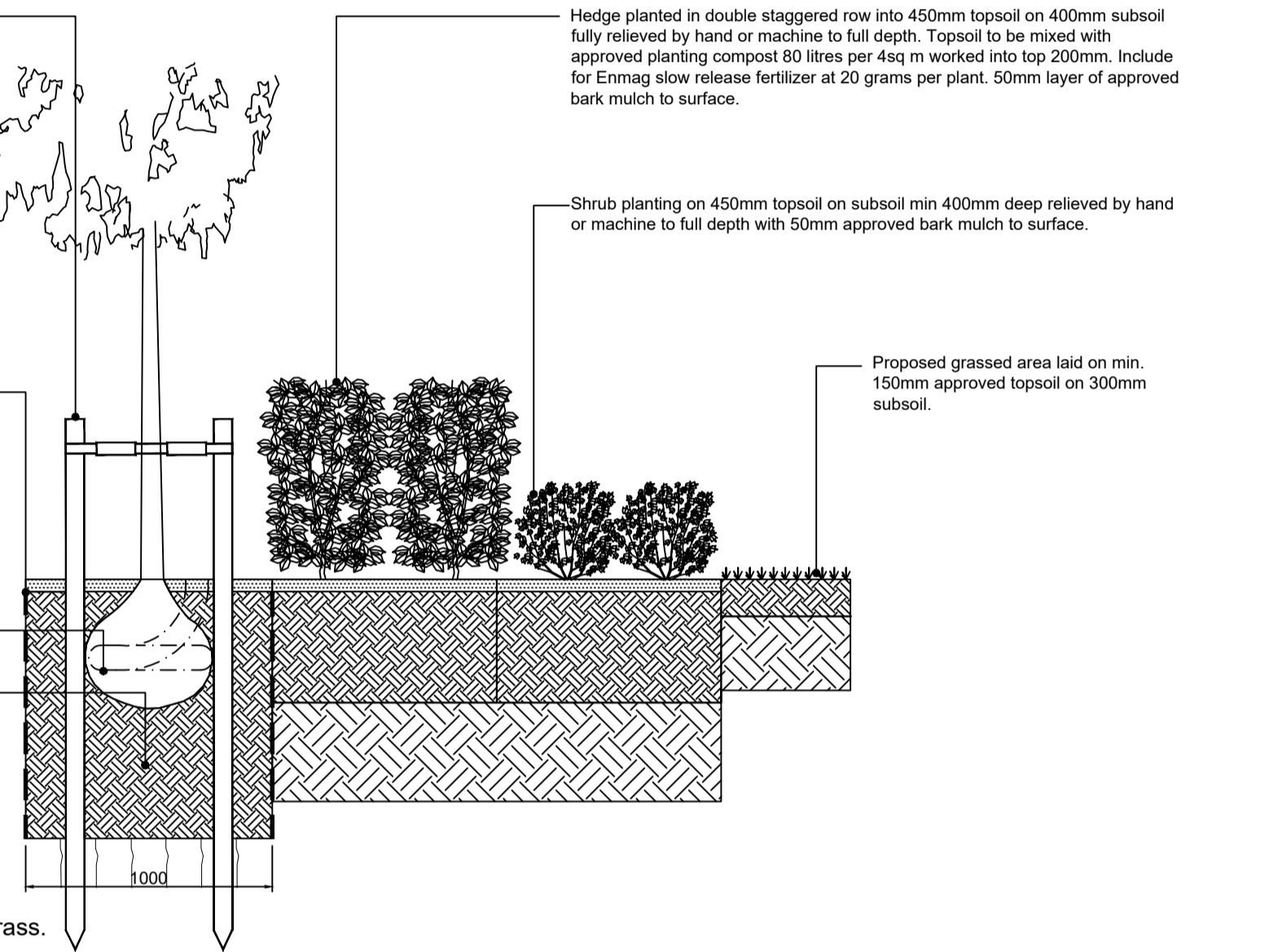
**Notes about birds breeding season and tree removal:**  
 It is recommended that vegetation which needs to be removed is done prior to the bird breeding season. [1st March to 31st August]. If this is not possible within this period, the vegetation removal should be carried out under the supervision of an Ecologist.

If birds are found to be breeding in the vegetation which needs to be removed then vegetation removal in the area surrounding the nest must be delayed until the eggs have hatched and the young birds have left the nest.

**Rabbit Protection**

All hedge planting to be fitted with TUBEX STANDARD TREE GUARDS or SHRUBSHELTERS according to plant type. Tubes to be 60cm high or similar approved. Tree/Shrub shelters need to be well anchored using good quality square stakes, inserted into the ground to at least 1/3 of the stake height.

Ensure the stake is below the fared rim at the top of the Shrubshelter. Using the shelters natural strength push it lightly into the ground to remove the gap at the base.



REV.	DESCRIPTION.	DATE.	REV.	DESCRIPTION.	DATE.	REV.	DESCRIPTION.	DATE.

**IMPORTANT CDM / H&S NOTE**  
 The designers would draw attention to key residual construction health and safety hazards that have not been eliminated from the designs shown on the drawings by the design process. These hazards are identified below:  
 Pedestrians using new or existing short cuts through site during construction.  
 Working on or adjacent to the public highway.  
 Any construction personnel including operatives intending to construct the designs shown on this drawing should ensure that they have been thoroughly briefed by the principle contractor on all health and safety matters and have sight of:  
 1. The full designers and contractors hazard risk assessments and risk registers.  
 2. The developed construction phase health and safety plan.  
 3. The contractors construction method statements.

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**PROJECT**  
 Ford & Slater, Haverton Hill Road, Stockton  
**DRAWING TITLE**  
 Soft Landscape Proposals  
**DRAWING No.** 1147.01  
**SCALE (A1)** 1:400  
**DATE** Apr/22  
**DRAWN** LH  
**CHKD** DP  
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