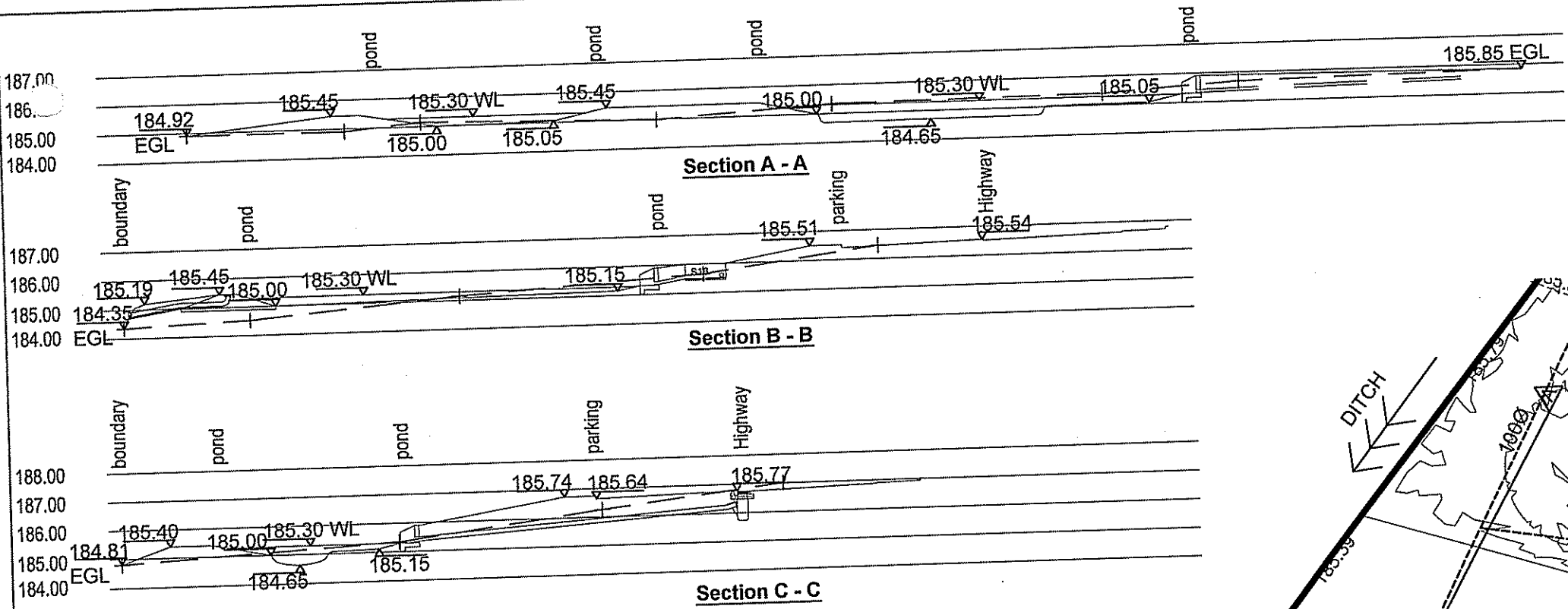




NYMNP / 2015 KEY: 1 2 1 / CVC

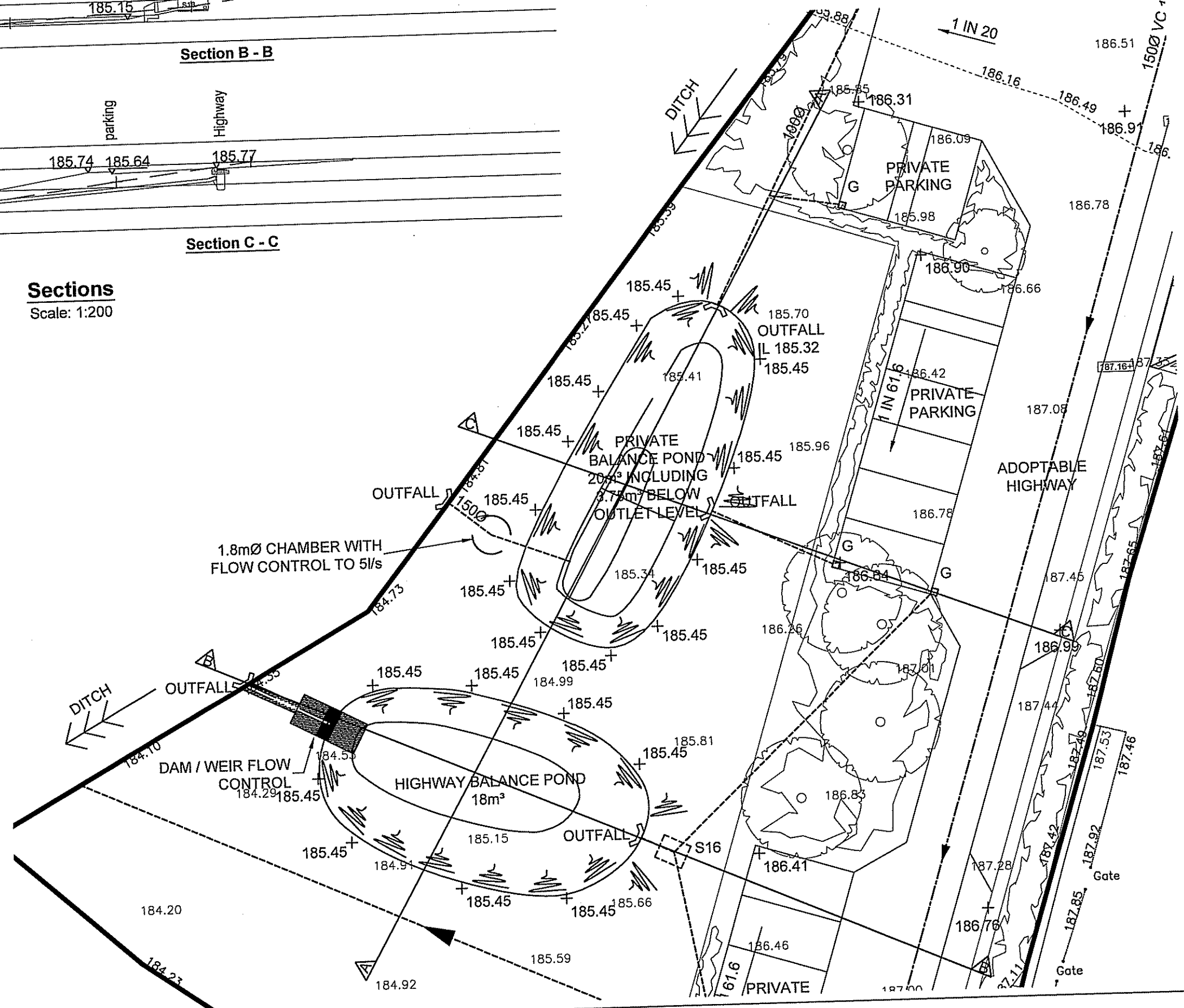
Existing Ground Profile

Proposed Ground Profile



Sections
Scale: 1:200

Plan
Scale: 1:200



NYMNP
19 FEB 2015

Rev	Details	By	Date
dossor ma civil and structural engineering consultants Howorth House, Melrosegate, Howorth, York, YO31 0RP			
Client: Home Group			
Project: Brown Wood Cottages, High Street, Egton			
Title: Balancing Pond Plan and Sections			
Drawn: ANB	Checked: SGD	Date: Sept 14	
Scale @ A3: 1:200			
Drawing No: 12067.08	Rev: P1		

PLANT SCHEDULE

TREES	QTY	CODE	PLANT NAME	STOCK	FORM	GIRTH/HEIGHT	SPECIFICATION
	6No.	ACE CAM 5	Acer campestre	B	STD	10-12cm	2x; standard; clear stem minimum 175-200; 4 breaks
	7No.	ACE QE xhs16	Acer campestre 'Queen Elizabeth'	RB	STD	16-18cm	3x; extra heavy standard; clear stem minimum 175-200; 450-625cm height; 5 breaks
	11No.	BET PEN xhs	Betula pendula	RB	STD	14-16cm	3x; extra heavy standard; clear stem minimum 175-200, 425-600cm ht
	3No.	SOR AUC xhs14	Sorbus aucuparia	RB	STD	14-16cm	3x; extra heavy standard; clear stem minimum 175-200, 425-600cm ht
	5No.	SOR AUC ss	Sorbus aucuparia	B	STD	10-12cm	3x; extra heavy standard; clear stem minimum 175-200, 425-600cm ht; 5 breaks

HEDGES

QTY	CODE	PLANT NAME	STOCK	SIZE
165m	Ilex Alaska Hedge	Ilex aquifolium "Alaska"	C 3L	40-60cm
495No.	Plants spaced @ 3/m	in a single row		

SHRUBS

QTY	CODE	PLANT NAME	STOCK	SIZE	SPACING	SPECIFICATION
138No.	Auc Roz	Aucuba japonica "Rozannie"	C 3L	30-40cm	3/m2	Bushy; 4 breaks
106No.	Cor MF	Cornus sanguinea "Midwinter Fire"	C 3L	40-60cm	3/m2	Branched; 4 breaks
7No.	Cor COM 10L	Corylus avellana "Contorta"	C 10L	60-80cm	1/m2	Branched; 3 breaks
198No.	Cot dam	Cotoneaster dammeri	C 3L	30-40cm	4/m2	Bushy; 4 breaks
59No.	Cyt sco	Cytisus scoparius	C 3L	40-60cm	3/m2	Bushy; 6 breaks
117No.	Euo DB	Euonymus fortunei "Darts Blanket"	C 3L	20-30cm	5/m2	Bushy; 7 breaks
150No.	Euo Eme	Euonymus fortunei "Emerald Gaiety"	C 3L	20-30cm	5/m2	Bushy; 7 breaks
111No.	Hed Gre	Hedera helix "Green Ripple"	C 0.5L	30-40cm	6/m2	Bushy; 4 breaks
111No.	Pot Eli	Potentilla fruticosa "Elizabeth"	C 3L	20-30cm	4/m2	Bushy; 4 breaks
41No.	Vib EP	Viburnum tinus "Eve price"	C 3L	30-40cm	3/m2	Bushy; 4 breaks

HERBACEOUS PLANTS

QTY	CODE	PLANT NAME	STOCK	SPACING	SPECIFICATION
122No.	Alc mol	Alchemilla mollis	C 2L	7/m2	Full pot
218No.	Ber Pur	Bergenia cordifolia "Purpurea"	C 2L	7/m2	Full pot
90No.	Dry fel	Dryopteris felix-mas	C 2L	3/m2	Full pot
137No.	Ger Joh	Geranium endressii "Johnsons Blue"	C 2L	6/m2	Full pot

HEDGE MIXES

PERCENT	QTY	PLANT NAME	STOCK	SIZE	SPECIFICATION
125m	NATIVE HEDGE MIX 18	planted @ 5/m in a double staggered row			
15%	94No.	Acer campestre	B Trans	60-80cm	1+1; Transplant - seed raised
50%	313No.	Crataegus monogyna	B Trans	60-80cm	1+1; Transplant - seed raised; branched; 3 breaks
5%	31No.	Ilex aquifolium	C 2L	30-40cm	Leader with laterals
15%	94No.	Prunus spinosa	B Trans	40-60cm	1+1; Transplant - seed raised; branched; 2 breaks
15%	94No.	Viburnum opulus	B Trans	60-80cm	1+2; Transplant - seed raised; branched; 3 breaks

To be planted in a double staggered row, 450mm between plants in single species groups of 9, 11-15no plants. Planted with rabbit spiral guards, (mesh for holly).

PLANT MIXES

PERCENT	QTY	PLANT NAME	STOCK	SIZE	SPECIFICATION
30m2	GROUND COVER MIX 13	planted @ 4/m2			
50%	60No.	Geranium macrorrhizum "wargarve Pink"	C 2L	20-30cm	Full pot
50%	60No.	Vinca minor	C 3L	20-30cm	Several shoots; 3 breaks
Individual varieties to be planted in groups of between 3 and 5.					
77m2	NATIVE SHRUB MIX 13	planted @ 2/m2			
10%	15No.	Crataegus monogyna	B Trans	60-80cm	1+2
30%	46No.	Cornus sanguinea "Midwinter Fire"	C 3L	40-60cm	Branched; 3 breaks
30%	46No.	Juniperus communis	C 2L	30-40cm	Leader with laterals
30%	46No.	Prunus spinosa	B Trans	40-60cm	1+1; branched; 2 breaks
Individual varieties to be planted in groups of between 5 and 9, with spiral guards or mesh guards to Juniper.					

NOTES AND ABBREVIATIONS:

- 1+2 = 3 year seedling transplanted after the first year
- B = Bare root (bagged).
- C = Container (or pot) grown, followed by size of the container (or pot).
- FORM = Shape of tree as supplied by the nursery.
- QTY = Quantity
- RB = Rootballed (balled and wrapped).
- SIZE = Height or spread of juvenile plant.
- Std = (clear stem) standard.
- STOCK = Root condition/protection method eg Bare root.
- Trans = Transplant (or undercut seedling).

- Refer to specification for further information.
 - All plants to be completely hardened off
 - Substitutions to be agreed with Landscape Architect.
- Plant Schedule generated by "Qscape" software 28/01/2015

OUTLINE SPECIFICATION (FOR PLANNING)

Topsoiling
 Topsoil to general planting and grass seeded areas to be to BS3882: 2007 Multipurpose Grade.
 Topsoil must be free from pernicious weeds and roots, clay lumps, non-soil materials, brick or other building materials, foreign matter and chemical contamination. Topsoil should be spread evenly over areas to be seeded and planted. Minimum topsoil depths after settlement shall be: Grass-150mm, Shrubs- 450mm and Trees-750mm.
 Topsoil shall be spread in layers not exceeding 150mm and firm each layer before spreading the next. At the time of laying, both material and weather should be reasonably dry. Soil levels should be 30mm higher than adjacent kerbs and paving after settlement and married in with existing soil levels.

Wood Treatment
 All areas to be planted are to be treated with Roundup a minimum of 10 days prior to planting. Planted areas are to be kept weed free with the use of herbicides. Following the use of herbicides remove dead vegetation.

Planting General
 All plant material to be supplied in accordance with HTA National Plant Specification.
 All planting to be local provenance wherever possible and from local supplier.

General Planting Notes
 All plants to be healthy, hardened-off and with good fibrous root systems and to comply with the requirements of BS3882 Specification for Nursery Stock. All planting to be undertaken in accordance with BS4428 Code of Practice for General Landscape Operations.
 All plants to be protected from wind exposure at all times. All plants to be soaked in water for several hours prior to planting and to be well watered in.
 No planting to be carried out during poor weather conditions, i.e. when ground is frozen, waterlogged, or during droughts, hot sunshine or persistent dry or cold winds. All plant material to receive enough water to ensure healthy establishment.

Times of year for planting/ seeding:
 Deciduous trees and shrubs: Late November to late March.
 Container grown stock - Any time of year as providing adequately watered, autumn planting desirable.
 Conifers and evergreens: September/ October or April/ May.
 Herbaceous plants: September/ October or March/ April.

Container grown plants: At any time if ground and weather conditions are favourable.
 - Watering and weed control: Provide as necessary.
 Dried bulbs, corms and tubers: September/ October.

Turfing: All year round providing adequately watered, avoid hot sunny conditions.
Grass seeding: March - September (best in Spring or Autumn)
Wildflower seeding: Spring or autumn

Site Clearance
 Gardens shall be free from old foundations, concrete bases and other similar obstructions. Before topsoiling the formation is to be loosened to a depth of 150mm by harrowing or ripping to assist in natural draining of the land. All coarse rubble, and artifacts greater than 75mm in diameter exposed by ripping operations shall be removed to a licensed facility.

Subsoil
 Subsoil grading of the site shall leave landscape areas with smooth flowing contours to achieve the specified finished levels when topsoiled. Prior to topsoiling, subsoil formation should be ripped and loosened to a minimum depth of 450mm. Imported subsoil shall be in accordance with BS3882 for amenity use.

Cultivation
 Cultivate the soil of all areas prior to seeding and planting. This should include loosening, aerating and breaking up soil into particles 2-8mm to depth of 150mm. Remove any undesirable material brought to surface to a depth of 100mm including visible weeds, roots and large stones or clay balls with any dimension exceeding 30mm. Final Cultivation prior to seeding topsoil shall be to a fine filth by approved mechanical means or by hand raking, and if necessary regrading of the surface will be carried out to conform to the prescribed finished levels.

Tree Planting
 Trees to be pit planted. Minimum pit size: Extra Heavy Standard trees 900x900x750mm. Excavate tree pits with slightly raised centre. Retain topsoil for re-use. Dig a hole which is substantially bigger than the volume of roots to be accommodated. Break up and loosen the base and sides of the pit. The trees will be planted to the same depth as they were in the nursery. Back fill the pit in stages, whilst firming up the soil around the roots until the original ground level is restored.
 Tree pits to be filled with 1:3 mixture of compost and topsoil. Topsoil to contain peat free organic matter and Growtab fertiliser to be incorporated into each pit.

Staking
 Extra heavy standard trees: short treble stakes and adjustable rubber ties.
 Standard trees: short single stake and adjustable rubber tie.
 Stakes to be first grade pressure impregnated round timber with chamfered tops. Position stake close to tree on windward side and drive vertically at least 300mm into bottom of pit before planting. Backfilling: consolidate material around stake. Height of stakes: cut to approximately one third of the tree height above ground level. Tying: secure tree firmly but not rigidly to stake with ties within 25mm of top of stake.

Shrub Planting
 To be pit-planted, with sufficiently large pit to accommodate root system without bending roots (minimum size of 150mm wider than roots when fully spread and 200mm deep).

Native Hedge Planting
 Trench to be excavated 600mm wide x 450mm deep then backfilled with excavated topsoil with peat free compost in a 3:1 ratio.
 Hedge plants to be planted in a double staggered row 450mm apart at 450mm centres (5 per linear metre).
 Rabbit protection: Spiral shelters to be used for all hedge plants (mesh for holly) www.acorn-planting-products.com or similar and approved.

Turfed Areas
 Turf must meet the Turfgrass Grower's Association (TGA) Quality Standards for Cultivated Turf for the supply and laying of turf.
 The turf soil should be of a sandy loam nature with no stones. The grass will be dense, of uniform green colour, free of broadleaved weeds and not visibly affected by pest or disease. Existing vegetation and stones should be removed and a light tilth prepared. Turf to be laid within 24 hours of receipt. Turfing shall comply with BS 3969 and be carried out when the weather and soil conditions are suitable. Turfing should not be carried out in exceptionally dry or frosty weather or when the ground is waterlogged. Allowance should be made to keep the turf watered during dry periods encountered throughout the establishment period.

Meadow Seeding and Soil Specification
 Prepare ground in accordance with Germinial Seeds (+353 50441100) cultivation, sowing and after care guidance and the following instructions.

To prepare a seed bed first remove weeds using repeated cultivation or a herbicide. Cultivation close to established trees and shrubs can be damaging to their root systems so take care not to dig too deep, keeping disturbance to the minimum required to expose fresh soil.

A minimum 150mm depth of clean subsoil (or topsoil stripped to lower fertility) to be spread over all areas of proposed wildflower seeding.
 Soil to be cultivated using a disk harrow or rotovator to 100mm depth then further cultivated to 30mm depth, graded and rolled to produce a firm, level seed bed.

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.

Meadow mix to be sown in August-September or March-April but can be sown at other times of the year if there is sufficient warmth and moisture.

Bulb Planting
 Grass to be mown to 50mm high before planting, cuttings removed.
 Planting hole of an approximate diameter and depth for each bulb to be created. Bulbs to be planted root down at depth specified for each species, then soil backfilled and firmed over the top.
 Bulbs to be planted in drifts of 30-40 bulbs of each species.

Mulch and Compost Materials
 General: Free from toxins, pathogens or other extraneous substances harmful to plant, animal or human life.
 Submit certification of source, analysis, suitability for purpose and absence of harmful substances.
 Certified materials: Sanitized and stabilized compost and Spent mushroom compost.
 Mulch: fine ornamental grade.
 Purity: Free of pests, disease, fungus and weeds. Preparation: Clear all weeds. Water soil thoroughly.
 Mulch: ornamental fine grade mulch to all shrub/ herbaceous beds and ornamental trees in grass, sustainable UK produced biomulch to base of hedgerow (Melcourt Forest Biomulch or similar).
 Coverage: planted areas and ornamental trees to 75 mm depth, 50mm depth to hedgerows.
 Trees in grass: 500mm radius circle area from trunk to 75mm depth.
 Finished level of mulch: 30 mm below adjacent grassed or paved area.
 As part of good horticultural practice, use peat-free composts, mulches and soil conditioners.

MAINTENANCE SCHEDULE

Replacements
 Any plants that fail to establish within a period of 5 years from the building development completion are to be replaced in the next planting season with others of similar size and species unless written consent is provided by the Local Authority to vary the approved details.
 Any turf seeding that fails to establish within a period of 5 years from the building development completion or occupation is to be reinstated the following season.

Component	Objective	Operations	Time of Year
1. Standard Trees	To ensure that trees remain in a healthy attractive and safe condition	1A Inspection	March-September
		1B Removal/adjustment of stakes and ties	As necessary following inspection
		1C Weeding	As necessary during dry spells mainly May-August
		1D Other works- removal of debris in branches etc.	As necessary following inspection
		2A Pruning to encourage best display of given species, taking into account of natural habit and form	Prune Spring Prune immediately after flowering Prune back to old wood in winter February
		2B Watering - establishment period	As required during prolonged dry weather
2. Ornamental planting Shrubs	To create healthy attractive plant mixes. Beds should be kept weed-free and any pernicious weed such as dock and thistle removed immediately.	2B Manual weed control	When other methods failed
		2C Fertilising	Spring
		2D Litter/Debris removal	Throughout
		2E Grass re-edging	Spring
		2F Top-up bark mulch	November
		3A Inspected areas: repair, rotate and smooth gradients. Height maximum 50mm	May-September
		3B Litter/Debris removal	Throughout
		3C Cuttings, remove straggles, trim edges and collect trimmings-remove	April-October
		3D Fertiliser- Spring	April
		3E Fertiliser- Autumn	October
3F Light sandification	March		
3G Reforming edges to paths and planting	Autumn		
3H Weeding	As necessary during dry spells mainly May-August		
4. Native Hedgerow	To ensure the healthy establishment of native hedgerow. Avoid any cutting during bird nesting season (March - September). Encourage production of berries and blossom for wildlife value.	4A Inspection	March-September
		4B New hedge planting maintenance. Inspect tree stakes and shelters and re-firm, adjust ties to prevent chafing.	February and after strong winds
		4C Other works- removal of debris in branches, litter etc.	As necessary following inspection
		4D Establishment pruning- lightly trim sides to encourage dense bushy growth and thick bottom to hedge, reasonable height and chamfered profile	November
		4E Trimming - when established. Trim alternate sides of hedge annually on rotation to encourage bushing, blossom etc.	January (see)
		4F Watering - to ensure the establishment and continued thriving of plants	After 2 weeks of dry weather Mainly May- August
		4G Replacement Planting of failed plants to original specification	November - February
		4H Removal of treeshrub shelters to recycling facility when plants established.	November
5. Native shrub mix	To ensure the healthy establishment of native shrub mix. Avoid any cutting during bird nesting season (March - September). Encourage production of berries and blossom for wildlife value.	5A Inspection	March-September
		5B New planting maintenance. Inspect tree stakes and shelters and re-firm, adjust ties to prevent chafing.	February and after strong winds
		5C Other works- removal of debris in branches, litter etc.	As necessary following inspection
		5D Establishment pruning- lightly trim sides to encourage bushy growth	November
		5E Formative pruning	January
		5F Watering - to ensure the establishment and continued thriving of plants	After 2 weeks of dry weather Mainly May- August
		5G Replacement Planting of failed plants to original specification	November - February
		5H Removal of treeshrub shelters to recycling facility when plants established.	November
6. Meadow Mixes by Germinial Seed or similar or similar	Maintain to achieve the greatest species diversity. Prevent future encroachment by scrub/ saplings. Control coarse grasses from outcompeting perennial wildflowers.	6A Litter/Debris removal	Jan-Dec
		6B Year 1 Establishment cut - AUTUMN SOWN	March May September
		6C Year 1 establishment cut SPRING SOWN	6 weeks after sowing May September/ October
		6D Cutting (after establishment). Cut to 4cm after flowering. In all cases, remove the clippings. To be done on a rotational basis so that no more than half the area is cut in any one year, leaving part as an undisturbed refuge for wildlife.	October / November
		6E Weeding- establishment phase	As necessary during dry spells mainly May-August
		6F Reinstatement - areas failed to thrive	As original specification

C	29.01.15	INB	ECUS	All turf removed from POS.
B	JAN 15	SF	ECUS	UPDATE TO INCLUDE POS
A	FEB 13	CEB	ECUS	PRELIMINARY

Rev	Date	Initials	Checked	Revision
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ecus
ENVIRONMENTAL CONSULTANTS

Job
EGTON, WHITBY

Title
Soft Landscape Proposals - SHEET 2

Drawn by CEB	Date MAR 13	Scale 1:200	Drg. no. L4007/04
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NYM
 19 FEB 2015