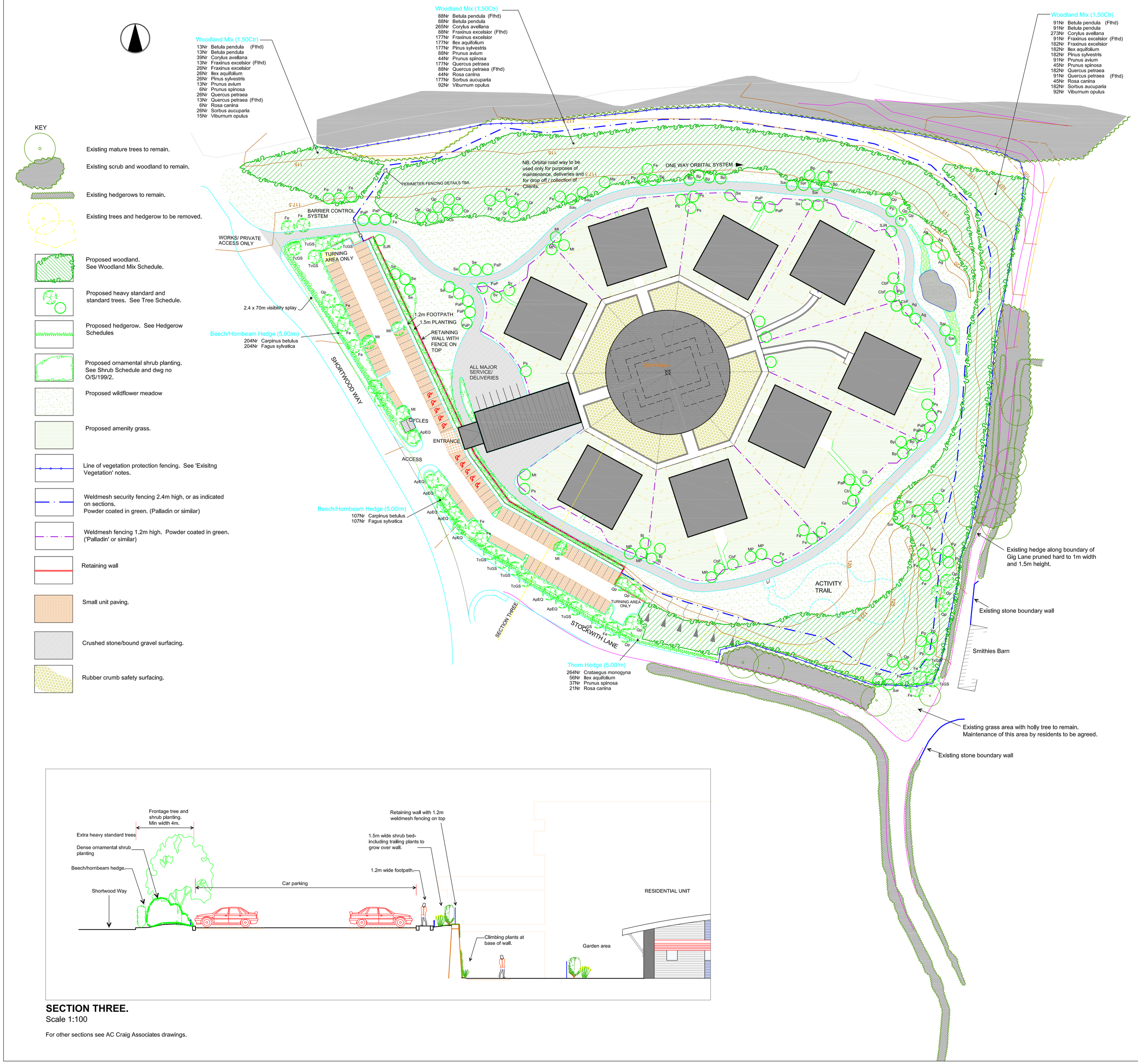

SECTION THREE.

Scale 1:100

For other sections see AC Craig Associates drawings.

WOODLAND MIX SCHEDULE

Nr	%age	Plant Name	Ht (cm)	Form/root
192	5.00	Betula pendula	150-175cm	Feathered
192	5.00	Betula pendula	40-60cm	1+1 transplant
577	15.00	Corylus avellana	40-60cm	Bare root
385	10.00	Fraxinus excelsior	60-80cm	1+1 transplant
192	5.00	Fraxinus excelsior	175-200cm	Feathered
385	10.00	Ilex aquifolium	40-60cm	2L
385	10.00	Pinus sylvestris	30-40cm	2L
192	5.00	Prunus avium	40-60cm	1+1 transplant
95	2.50	Prunus spinosa	40-60cm	1+1 transplant
192	5.00	Quercus petraea	175-200cm	Feathered
385	10.00	Quercus petraea	40-60cm	1+1 transplant
95	2.50	Rosa canina	60-80cm	Bare root
385	10.00	Sorbus aucuparia	60-80cm	1+1 transplant
199	5.00	Viburnum opulus	60-80cm	Bare root

Transplants planted at 1.5m centres in same species groups of 6-15 in number: feathered trees planted at 3 m centres, in groups of 3-9 in number.

BEECH-HORNBEAM HEDGEROW

Nr	%age	Plant Name	Height	Root
311	50	Carpinus betulus	60-80cm	B
311	50	Fagus sylvatica	40-50cm	B

Hedgerow planted in double staggered row 450mm apart at 450mm centres. (5no/lin m)

THORN HEDGEROW

Nr	%age	Plant Name	Height	Root
264	70	Crataegus monogyna	40-60cm	B
56	15	Ilex aquifolium	40-60cm	2L C
37	10	Prunus spinosa	40-60cm	B
21	5	Rosa canina	30-40cm	B

Hedgerow planted in double staggered row 450mm apart at 450mm centres. (5no/lin m)

SHRUB SCHEDULE

Nr.	Plant Name	Abbreviated Text	Height (cm)	Container	Density/m²
59	Buddleia davidii 'Nanho Blue'	Bud NB	60-80cm	3L	3.00
124	Ceanothus thyrsiflorus 'Repens'	Cean thR	30-40cm (D)	3L	4.00
3	Clematis 'Nelly Moser'	Clem NM	60-80cm	2L	
62	Cornus stolonifera 'Flaviramea'	Corn stF	60-80cm	3L	2.00
44	Corylus avellana 'Contorta'	Cory aC	60-80cm	7-7.5L	1.00
162	Euonymus 'Silver Queen'	Euon SQ	20-30cm (D)	2L	6.00
27	Garrya elliptica 'James Roof'	Garr JR	60-80cm	5-7.5L	1.00
66	Genista tinctoria 'Royal Gold'	Genl RG	30-40cm	3L	4.00
578	Hebe albicans 'Red Edge'	Heb RE	20-30cm	3L	4.00
91	Hedera helix 'Glacier'	Hed Gla	40-60cm	2L	6.00
111	Hedera helix	Hed hel	40-60cm	2L	6.00
17	Hydrangea anomala petiolaris	Hyd pet	60-80cm	3L	1.00
312	Hypericum moserianum	Hyp mos	30-40cm	3L	4.00
155	Ilex aquifolium 'J C Van Tol'	Ilx JCvT	40-60cm	3L	2.00
45	Juniperus sabina 'Tamariscifolia'	Junl Tam	30-40cm (D)	3L	1.00
278	Lavandula angustifolia 'Munstead'	Lav Mun	20-30cm	3L	5.00
222	Lonicera nitida 'Silver Beauty'	Lon SB	30-40cm	3L	4.00
103	Lonicera 'May Green'	Lon MG	30-40cm	3L	4.00
12	Pinus mugo 'Pumilio'	Pin Pum	30cm	10L	1.00
552	Skimmia japonica 'Rubella'	Skim Rub	30-40cm	3L	4.00
197	Spiraea bumalda 'Goldflame'	Spirea GF	30-40cm	3L	4.00
843	Symphoricarpos chenaulti 'Hancock'	Sym Han	40-60cm	3L	4.00
20	Viburnum tinus 'Eve Price'	Vib EP	20-30cm	2L	2.00
417	Vinca minor 'Argenteovariegata'	Vin Arg	20-30cm (D)	2L	6.00

For position of shrubs see dwg no O/S/199/2

TREE SCHEDULE

SPECIES		NUMBERS REQUIRED	
	Ht in m	2.5-3.0	3.5-4.25
	Girth in cm	8-10	14-16
Acer platanoides 'Emerald Queen' (ApEQ)		-	8
Alnus glutinosa (Ag)		5	-
Betula utilis jarquemontii 'Doorenbos' (Bj)		3	-
Betula pendula (Bp)		10	-
Carpinus betulus (Cb)		6	-
Carpinus betulus 'Fastigiata' (CbF)		5	-
Fraxinus excelsior (Fe)		20	11
Malus 'Profusion' (MP		5	-
Malus sylvestris (Ms)		1	-
Malus tschonoskii (Mt)		4	4
Quercus petraea (Qp)		8	7
Quercus rubra (Qr)		4	-
Prunus avium 'Plena' (PaP)		12	-
Prunus padus (Pp)		10	-
Prunus sargentii (Pg)		7	-
Sorbus aria (Sar)		11	-
Sorbus aucuparia (Sau)		2	-
Sorbus aucuparia 'Joseph Rock' (SJR)		2	-
Sorbus vilmorinii (Sv)		2	-
Sorbus 'Embley' (Se)		10	-
Tilia cordata 'Green Spire' (TcGS)		-	14

Foundation design of new buildings shall accommodate proposed tree planting in accordance with NHBC guidelines.

PROTECTION OF EXISTING VEGETATION

Existing vegetation to be retained on site shall be protected during works by 1.5m high chestnut paling fencing secured to a scaffold tubing framework with flourescent tape to the top rail. Where not indicated on the contract drawings, protective fencing shall be erected on the canopy drip line wherever possible, and 1m beyond the spread of existing hedgerows.
Within the protected area excavation should be limited to the minimum necessary and should be carried out by hand. Raising of the existing ground levels by more than 150mm shall not be permitted within the protected area.
Tracking of machinery, storage of chemicals and building materials shall not be permitted within the protected area. Leaks or spills should be removed immediately and the contaminated soil replaced. No bonfires shall be lit within 5m of the canopy spread.
All works affecting trees within the development shall be subject to BS 5837.

PREPARATION AND PLANTING

All plant material shall conform to BS3936 Parts 1and 4 and BS 4428.
Topsoil to comply with BS3882, 1994.
Organic matter to be proprietary shrub planting compost, or approved compost derived from recycled organic matter.
Slow release fertiliser to be 'Enmag' or similar.

Tree planting

1 Trees to be planted into pits of an appropriate size to accomodate the root system without restriction.
2 Extra Heavy Standard trees to be double staked with 100mm round stakes and secured to a 50 x 25mm cross piece by proprietary rubber tree tie with spacer.
3 Standard trees to be single staked using a 75mm diam machine rounded stake. Fixing to stake as above. Finished height of all stakes shall not exceed 1/3 height of tree above ground.
4 Tree pits to be back-filled with imported topsoil mixed with compost at a ratio of 3 parts soil to 1 part compost. 150gms slow release fertiliser to be added to each pit.

Woodland planting

1 A minimimum of 600mm depth of clean subsoil to be spread over all areas of proposed woodland planting.
2 Area to be cross ripped to 450mm depth at 500mm centres. All stone and deleterious material over 100mm in size arising, to be cleared.
3 Area to be cultivated to 100mm depth by disc harrow then further cultivated to provide a fine, level, firm seed bed, prior to seeding with a fecue-bent seed mix @ 25gm/m². BSH A16 or similar.
4 Transplants to be pit planted into 300 x 300 x 300mm diam pits. Backfill for each pit to be 1 part compost: 3 parts topsoil, with slow-release fertiliser added at 50gms per pit.
5 Feathered trees to be planted at 3m centres in groups of 3-9, into pits 600 x 600 x 600mm; backfilled with 1part compost:3parts topsoil with 100gms slow release fertiliser added per pit.
6 All feathered trees to be staked with 75mm diam round stake secured by 1 no tree tie with rubber spacer. Finished height of stake shall not exceed 1/3 height of staked tree above ground.
7 All shrubs and trees to be fitted with rabbit protection. Spiral guards supported by a stout cane or stake; mesh shrub guards supported by a stout cane for bushier species. Alternatively, rabbit proof fencing erected around the whole area of planting.

Hedge planting.

1. Trench to be excavated 600mm wide x 450mm deep, then backfilled with topsoil mixed with compost in a 3:1 ratio.
2. Hedge plants to be planted in a double staggered row 450mm apart @ 450mm centres. (5 per lin m).
Thorn hedge plants to be protected from rabbits by spiral guards, supported by stout canes. Beech-hornbeam hedge plants to be planted within tree shelters of min 125mm diam, supported by 25mm diam stakes.

Ornamental planting.

1 Shrubs to be planted into 300mm depth of high quality topsoil complying with BS3882, 1994.
2 Organic matter to be spread over planting area and cultivated into soil to a min 400mm depth.
3 Shrubs to be planted into prepared soil in pits large enough to accomodate full rootball.
4 Finished beds to be lightly forked over and dressed with 75mm depth coarse forest bark mulch.

Wildflower grass seeding.

1 A minimimum of 150mm depth of clean subsoil to be spread over all areas of proposed wildflower seeding.
2 Soil to be cultivated using a disc harrow or rotovator, to 100mm depth then further cultivated to 30mm depth, graded and rolled to produce a firm, level seed bed.
3 An 80% grasses:20% wildflower seed mix to be sown. Mix of local provenance wildflowers to be sourced, then sown at 5gm/square metre.

Amenity grass seeding.

1 Area to be cultivated using a disc harrow or rotovator, to 100mm depth then further cultivated to 50mm depth and rolled to produce a firm, level seed bed.
2 Pre-seed fertiliser to be applied at 50gm/m² and incorporated.
3 A low maintenance ryegrass/fescue/bent seed mix to be sown. Eg: British Seed Houses, A22 at 35gm/square metre.

AFTERCARE - 5 YEARS

All as detailed in aftercare plan.

Rev A. 16 Apr 07. Amends to fencing and car park layout. (Client requirements)
Rev B. 17 Jan 08. Further amends to car park layout, (Planning requirements. Details of planting and seeding added.

cf landscape design
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client: OPTIONS GROUP

project: PROPOSED NATIONAL AUTISTIC HOSPITAL at SHORTWOOD, HOYLAND, BARNSLEY

drawing title: LANDSCAPE PROPOSALS

scale	date	drawn by	drawing no
1:500	JAN 07	CTF	O/S/199/1b