LANDSCAPING LEGEND

- EXISTING TREES TO BE RETAINED — Refer to updated Tree Report for details ref. Treescene
- EXISTING TREE TO BE REMOVED — Refer to Evolve Tree Consultancy Report for details.
- EXISTING TREE ROOT PROTECTION AREA — Refer to Evolve Tree Consultancy Report for details
- TPO TREE. Refer to Vale of Glamorgan TPO No.5, 2014 for Land at Cross Common Road Dinas Powys
- PROPOSED TREE / SPECIMEN SHRUB
- SHRUB BED / IMPACT PLANT
- PROPOSED HEDGE
- ORNAMENTAL CLIMBER
- TURF - FRONT GARDENS. CLOSE MOWN
- REAR GARDEN - ROTOVATE AND LEVEL
- COMMUNAL AREAS WILDFLOWER GRASS SEED Ref. Emorsgate EL1 Flowering Lawn mix.
- COMMUNAL AREAS WILDFLOWER GRASS SEED Ref. Emorsgate EP1 Pond edge Mix
- GRAVEL. Golden knapped flint

NOTES

Refer to Architects/Engineers drawing for details of levels, buildings, hard surfaces, retaining structures, visibility splay, services and fences.
Building foundations with regard to trees to be in accordance with the NHBC Guidelines Chapter 4.2.
Refer to updated Arboriculturalist` Tree Survey Report for details of existing trees, tree works and protection measures.
All tree surgery carried out in accordance with BS3998:2010 Tree Works

Maintenance Programme. 15 year summary sheet

Operation	1	2	3	4	5	> 15yr
Lawn - Front and back gardens close mown						
Cutting @ 75mm-35mm(March-Nov)	*	*	*	*	*	*
Weedkilling (April-Sept, twice a year)	*	*	*	*	*	*
Edging (Twice a year)	*	*	*	*	*	*
Wildflower Grass.						
a) Close mown; 2-6 cuts/year						
Eradication of unwanted weeds	*	*	*	*	*	*
Cut early Spring (Not April)-November	*	*	*	*	*	*
Remove cuttings, leaves and litter	*	*	*	*	*	
Repair compaction/bare areas	*	*	*	*	*	*
b) Water attenuation area. Alternate sides cut each year. Remove cuttings.*	*	*	*	*	*	
Trees						
Existing. Safety assessment every 3y	*			*		*
Restaking and tying (Twice yearly check)	*	*	*	*	*	*
Watering (during dry spell of 14 days)	*	*				
Replace Defects	*	*	*	*	*	
Shrubs and hedge						
Prune annually and to remove obstructions when growth exceeds 450mm	*	*	*	*	*	*
Fertilizer, slow release (annually)	*	*	*	*	*	*
Hoeing (14 occasions annually)	*	*	*	*	*	*
Cultivate/fork over to relieve compaction*	*	*	*	*	*	*
Weeding/remove litter (14 x annually)	*	*	*	*	*	*
Replace Defects	*	*	*	*	*	
Mulching						
Top up to 75mm in March	*	*			*	
Hard Surfaces						
Brush (Twice a year)	*	*	*	*	*	*
Remove litter / leaves (14 x anually)	*	*	*	*	*	*
Eradicate weeds (once a year)	*	*	*	*	*	*

Note: * Denotes year in which tasks are undertaken.
All work to be undertaken in accordance with BS4428:1989 and BS7370-4 1993

0m 5m 10m 20m

OUTLINE PLANTING SPECIFICATION

EXISTING TREES. Refer to updated arboricultural method statement for details of proposed treatment and protection measures ref. Treescene.

Services; No trees to be planted within 3 meters of proposed foul or surface water drain. Planting adjacent to other services shall be in accordance with the guidelines laid down by the relevant service authority.

Subsoil. Rip to 500mm depth using the teeth of a JCB back bucket to break up compaction and allow free drainage.

Topsoil. Existing topsoil to be excavated to an agreed depth and stored in site stockpiles for re-use. Stockpile height 2M MAX. Location to be agreed. All topsoil to comply with BS 3882:2007. pH 6-8, free of stone greater than 50mm in any dimension, perennial weed roots, toxic materials, glass and contamination. Supply and spread by loose tipping to the following depths (after settlement);
Tree pits 1.2 x 1.2M x 750mm depth
Ornamental shrubs and hedge - 400mm depth.
Garden Turf - 150mm depth
Wildflower seed - Low fertility topsoil or subsoil with N,P,K,Mg and conductivity index of <2. Lightly firm without compacting. Grade to an even surface and marry in with adjacent soft landscape areas. Finished levels adjacent to hard surfaces to be level with kerb unless otherwise instructed. Cultivate to a fine tilth removing all stones over 50mm that come to the surface. Allow to settle and make good defficiencies, humps and hollows. Remove any weeds before planting.

Tree Irrigation System. Wavincoil plastic perforated pipe 2.5M length with T piece and plastic top or similar approved. Supply and install to all trees in accordance with manufacturers recommendations.

Bark mulch; 75mm depth over shrub beds and 0.8M wide strip beneath new hedge. Main constituent conifer bark, maximum of 15% wood content and 5% fines, particle size 5-65mm, free of pest disease or weed contamination. 2L sample to be submitted for approval with tender.

Water all plants after planting and before mulching. If planted between April and October include for soaking thoroughly after planting and then for dry spells of 7 days duration. Allow for provision of water from a bowser during periods of hosepipe ban to maintain uniform healthy growth.

FRONT GARDENS - TURF. Ref Rowlawn `Medallion or similar. Cultivate to a fine tilth, grade, marry in with adjacent areas and remove all stones and rubble over 25mm dia.
COMMUNAL AND RESTORED OFF SITE AREAS - WILDFLOWER GRASS SEED MIX ref Emorsgate Seeds, EL1 Flowering Lawn mix (or similar agreed). Supply, sow and maintain until establishment or handover in accordance with manufacturers recommendations.
Swale - EP1 Pond edge Mix or similar. Alternate sides cut each year.
MAINTENANCE until handover or client instruction; Include for removal of weeds and litter, maintenance of bare ground beneath planted areas, pruning dead/damaged branches and edge trimming as required. Shrubs and hedges trimmed to remove obstructions or when extension growth exceeds 450mm. Grass areas to be relevelled, scarified and overseeded to remove hollows and troughs which develop and watered to avoid turf shrinkage. Soil level flush with adjacent kerb after settlement. Mowing; lawn kept neat and trim at between 35 and 70mm ht. at all times and free of broadleaf weeds. Communal area of grass established in accordance with seed suppliers recommendations with mowing time to encourage natural seeding. All grass cuttings, leaves and weeds to be removed. All plant defects to be replaced including trees for 5 years after planting. All fencing and tree stakes re-secured as necessary. Top up bark mulch including beneath trees in grass to 75mm prior to handover.

PLANT SCHEDULE. All to BS3936 Part 1 from;

STRUCTURE TREES; Container grown (CG) 80L Airpot if planted outside the recognised planting season (Nov.- end March). All trees in communal areas planted with irrigation system. Min distance from back footpath 1M. Trees in lawn and wildflower/grass planted with 1M diameter bare earth circle with bark mulch. All with double short stake and rubber ties.

abrev.	species	common name	size
B	Betula pendula	(Chinese red birch)	HS 12-14cm 3.5-4M
M	Malus Red Siberian	(Flowering crab)	HS 12-14cm 3.5-4M
P	Prunus Snow Goose	(Flowering cherry)	HS 12-14cm 3.5-4M
PcN	Prunus cerasifera Nigra	(Purple cherry)	HS 12-14cm 3.5-4M
S	Sorbus aucuparia	(Rowan)	HS 12-14cm 3.5-4M
Sa	Sorbus aria	(Whitebeam)	HS 12-14cm 3.5-4M
T	Tilia cordata Rancho	(Lime)	HS 12-14cm 3.5-4M

SPECIMEN SHRUBS; Container grown

Ag	Abelia grandiflora	(Abelia)	5L 450-600mm
AL	Amelanchier lamarkii	(Snowy mespilus)	30L 1.5M Mstem
Bd	Buddleia Black knight	(Butterfly bush)	5L 600-900mm
CS	Choisya ternata Sundance	(Yellow Mex. orange)	5L 450-600mm
CG	Cotinus coggy grace	(Purple smoke bush)	5L 600-900mm
Bs	Buxus semprevirens	(Box ball)	5L 400mm dia
EG	Elaeagnus Gilt Edge	(Varigated oleaster)	5L 450-600mm
H	Ilex aquifolium	(Holly)	30L 1.5-1.8M
GK	Ilex Green King	(Variegated holly)	30L 1.5-1.8M
ML	Magnolia Leonard Messel		30L 1.2-1.5M
Ob	Osmanthus burkwoodii		5L 450-600mm
PA	Philadelphus Aureum	(Yellow mock orange)	5L 450-600mm
PR	Photinia Red Robin		10L 750-900mm
Sy	Syringa Palibin	(Lilac, purple)	10L 0.8-1.0M
Vj	Viburnum juddii	(Scented viburnum)	5L 600-900mm
PG	Pittosporum garnetii	(NZ ironwood varieties)	5L 450-600mm
PT	Pittosporum Tiny Tim	(dwalf ironwood, purple)	5L 450-600mm
Pt	Phormium Dazzler/purpureum	(NZ flax)	5L 8 leaf
WV	Weigela florida Variegatum		5L 600-900mm

NATIVE HEDGE; Supply and plant @ 5/lin.M in a double staggered row 400mm between plants in a row, 450mm between rows in single species groups of 3-15/group. All with 600mm plastic spiral rabbit guard and support cane. Cut back by half on planting.

Ac	Acer campestre	(Field maple)	Br. 1.0-1.2M 1+1
Cav	Corylus avallana	(hazel)	Br. 1.0-1.2M 1+1
Cm	Crataegus monogyna	(hawthorn)	Br. 1.0-1.2M 1+1
Fs	Fagus sylvatica	(Beech)	Br. 1.0-1.2M 1+1
Ia	Ilex aquifolium	(Holly)	3L 600-750mm 3/gp
Lv	Ligustrum vulgare	(Wild privet)	Br. 1.0-1.2M 1+1

ORNAMENTAL HEDGES; Supply and plant in staggered row(s) — No./sq.M

Bs	Buxus sempervirrens Suffruticosa	(Dwalf box)	3L 200-300mm	5
LH	Lavandula Hidcote	(Lavander)	3L 200-300mm	5
Esc	Escallonia Red Hedger		5L 750-900mm	3
Fs	Fagus sylvatica	(Beech)	Br. 900-1.2*	5
LoA	Ligustrum oval Aureum	(Golden privet)	10L 750-900m	3
Ln/BG	Lonicera nitida / Baggesons Gold	(Shrub honeysuckle)	5L 750-900mm	AS

* = cut back by 1/2 on planting

ORNAMENTAL SHRUBS. Eventual growing height over 1.0M, 3 strong breaks from the base. Container grown if planted outside the recognised bare root season. size No./sq.M

Ag	Abelia grandiflora	(Abelia)	3L 300-450mm	3
Aj	Aucuba japonica	(Spotted laurel)	3L 450-600mm	1
CaS	Cornus alba Siberica	(Pink dogwood)	3L 600-900mm	3
CMF	Cornus Midwinter Fire	(Orange dogwood)	3L 600-900mm	3
Ct	Choisya ternata	(Mexican Orange Blossom)	3L 300-450mm	3
Ee	Elaeagnus ebbingei	(Oleaster)	5L 450-600mm	3
HH	Hypericum Hidcote	(Rose of Sharron)	3L 450-600mm	4
MW	Mahonia Winter Sun		3L 450-600mm	3
POL	Prunus Otto Luyken	(Dwalf laurel)	3L 300-450mm	4
Vt	Viburnum tinus Eve Price	(Laurustinus)	5L 600-900mm	3
LWB	Lonicera Midwinter Beauty	(Shrub honeysuckle)	3L 600-900mm	3

GROUND COVER 3 strong breaks from base.

BtA	Berberis thun Atropurpurea Nana	(Dwalf Purple barberry)	3L 450-600mm	5
Bc	Bergenia codifoloia	(Elephants ears)	2L	6
CtR	Ceonothus Repens	(California lilac)	3L 300-450mm	3
CS	Cistus SIlver Pink	(Rock rose)	3L 300-450mm	4
EG	Euonynus Emerald & Gold (E&G)		5L 300-450mm	6
Er	Euphorbia robbiae	(Spurge)	9"pot 200-300mm	7
Fm	Fuchsia Versicolor	(Varigated fuchsia)	3L 750-900mm	5
Ha	Hebe angustifolia	(Veronica)	3L 300-450mm	4
Hr	Hebe rackaiensis/ Red Edge	(Veronica)	5L 200-300mm	5
HG	Hedera helix / Glacier	(Ivy / Varigated)	9"pot 200-300mm	6
Hy	Hydrangea Black Stem Zambia		3L 300-450mm	3
LM	Lonicera maigreen	(Shrub honeysuckle)	3L 300-450mm	4
Ma	Mahonia Apollo	(Grape of Oregon)	3L 300-450mm	4
PE	Potentilla Elizabeth	(Cinquefoil, white/yellow)	3L 300-450mm	4
Ro	Rosemarinus officinalis	(Rosemary)	3L 300-450mm	5
Sc	Sarcococca confusa	(Christmas box)	3L 300-450mm	4
Sm	Senecio greyii		3L 300-450mm	4
Sk	Skimmia japonica Rubella		3L 300-450mm	3
SF	Spiraea Firelight		3L 300-450mm	4
ScH	Symphoricarpos hancock		Br, 300-450mm	2-3
VE	Vinca major Elegantissime	(Periwinkle)	9" pot.	7

CLIMBERS. Planted 300mm from vertical structure with taught line wire and vine eye supports at 450mm centres. Planted with support cane.

CM	Chaenomoles Moerloosei	(Quince, pink)	3L 300-450mm AS
Jo	Jasminium officionale	(Summer jasmine, white)	3L 600-900mm AS
Jn	Jasminium nudiflorum	(Winter jasmine, yellow)	3L 600-900mm AS
Lp	Lonicera periclymenum (Serotina)	(Honeysuckle)	3L 600-900mm AS
Py	Pyracantha rogorsiana	(Firethorn)	3L 600-900mm AS
Ws	Wisteria sinensis	(japanese wisteria)	3L 600-900mm AS

NOTES
abbreviations. (cl) = climber, (B)=back, (E)=entrance, (F) = against fence, (H)=hedge, (I)=inside, (U)=underplant, (M)=margin, (S) = side, (W) = wall, AS = As indicated.
Plant numbers to be checked prior to ordering and planting.
ALL PLANT SUBSTITUTIONS TO BE AGREED before ordering and planting

Rev C. Minor amendments to Site Layout, plot 27 garage relocated outside RPA, bin collection point added. Planting updaetd. 19-5-17
Rev.B House shade layers omitted. Minor amendments to Site Layout. Planting updated. 5-5-17
Rev.A Tree protection omitted - refer to arboricultural report ref. Treescene. Minor amendments to Site Layout. Planting updated. 30-4-17

All setting out dimensions to be site confirmed prior to works commencing and any discrepancies confirmed to architect. This drawing is to be read in conjunction with all other architectural and structural engineers drawings.

PROPOSED RESIDENTIAL DEVELOPMENT
LAND OFF CARDIFF ROAD, DINAS POWYS for EDENSTONE LTD

LANDSCAPE PROPOSALS AND TREE CONSTRAINTS2
PLANNING SHEET 1 OF 2 1:200 (AO)

M D LANDSCAPE ARCHITECTS
3 HANOVER TERRACE, BATH BA1 6LJ
E-MAIL mdd@mdd-land.co.uk

Date:	Drawn:	Checked:	
3/3/17			994/PA/02C