SPECIFICATION NOTES - REFER ALSO TO THE MEASURED WORKS SCHEDULE.

A) Setting out

1. Planting shall be set out exactly as shown on the drawing, and measured from existing fixed points. Curved beds shall be set out using reels scribed on the ground using two painted stakes and a line between, or with site marker paint. The junction between convex and concave curves shall be cut to form a smooth and even flowing line. Check that all setting out conforms to the plan before cultivation and planting works are carried out. Failure to do so may result in rejection of the work by the landscape architect and may require amendment at the contractor's expense.

2. All planting beds shall be a minimum 1m / metre wide, except where there is insufficient space, due to the constraints of existing and with edging and their proximity to other features such as between walls / fences and paths or roads, ensure that the bed has space free from concrete footings before planting. If the bed is lined with concrete, then the landscape contractor shall contact the site manager or landscape architect to determine if footings are excessive and can be reduced on site, the bed can be paved, the width of all beds will be checked by the inspecting landscape architect and where the width is not as drawn, the contractor shall re-cultivate them to the specified width at his own expense.

B) Ground preparation

1. Pre-planting herbicide application - Apply by suitable spraying operatiop, an approved translocated systemic herbicide to the manufacturer's instructions and to 1997 Control of Pesticides Regulations and 2003 COSHH regulations on all beds, except those which are both weed free and are to receive agrotextile sheet mulch. Spray immediately if any weeds are present, if none are showing, but there may be a delay before planting, or the area is to be seeded, spray after one month following cultivation, to allow dormant seed to germinate. All spraying shall be carried out by suitably qualified operatives, using protective clothing, and in calm weather to avoid wind drift. Any damage caused by over or drift, from incorrect usage or spillage, shall be rectified at the contractor's own cost. Repeat as necessary to ensure complete kill and make off all dead material from site.

2. Carry out the following works to the existing topsoil on site to ensure it: Conforms to BS 3882: 2007, being free from rocks larger than 50m diameter, concrete, all roots, wire, brick, and have less than 0% clay. Allow for pre-application of herbicides as above. Fertilise with 100g per meter square of Vitax "Nutricote 180" slow release fertilizer, in accordance with the manufacturer's instructions. For beds less than 3 meters in width, fork over thoroughly or machine rotovate soil to a depth of 300mm, ensuring that the subgrade and topsoil are completely broken up and free draining, relieving any compaction, for beds greater than 3 metres in width, break up the subgrade and topsoil using a tractor mounted subsoiler or ripper at 300mm centres to a depth of 300mm, except where there are services, or within 10 metres of tree stems or 2 meters, of existing hedges. Do not rip areas where roots greater than 10mm diameter are encountered.

3. Determine before submitting a tender, from site with ground-penetration equipment, if there are any ground-obstructions, ensure soil for all planting preparations is a level 50mm below adjacent grass or paved surfaces, (30mm below where agro-textile or mulch is not specified), within 400-600mm of edges to ensure mulch or wood chip mulched are retained. Where grass is proposed, then the soil level shall be flush (maximum 10mm below - but never proud of adjacent paved surfaces, to receive rain water run off. The landscape contractor is responsible for ensuring that the final product conforms to the specification even where the developer and/or main contractor have failed to supply and spread topsoil to the recessed level. The landscape contractor shall allow for adjustment of levels, as specified above, including for re-grading subsoil and topsoil where beds are slopping, ensure that topsoil is graded to the specified levels below pavement or surfaces within 400mm of the edges of the beds. This is to allow for sheet mulch and bark or wood chip mulch so that mulch does not spill out on to pavements and also to allow surface water to drain from paths on to planted areas.

4. For sloping areas to be turfed adjacent to paved areas, topsoil levels shall be graded Flush with the finished pavement level (or up to 10mm below), to allow surface water to drain from pavements to soft areas. Soil of grass areas should therefore never be proud of paved areas. Soil levels more than 10 mm below pavement edges will cause mower damage on cutting.

5. Imported topsoil (where specified and sanctioned by the employer) for making up ground, shall conform to BS 3882: 2007, and be free from rocks (over 50mm diameter), concrete, roots, wire and brick, and have less than greater than 20% clay. Such soil shall be cultivated as set out above. Representative samples shall first be approved by the landscape architect before being supplied to site. No imported soil shall be supplied to site without a written instruction.

C) Planting

1. All planting must be carried out in accordance to the specification and schedule of quantities accompanying these drawings. Refer to the specification for the preparation of existing topsoil and required depths for planting, turfing, and standard trees, and also for maintenance requirements.

2. No substitutions will be accepted without the prior agreement of the contracting landscape architect. The contractor shall replace at once at his own cost any stock size, species or variety of plant which has not been specified on the planting plan and schedule, unless prior agreement to a substitution by the landscape architect has been received. All plants shall be true to size specified in the schedule of plants and associated notes, (CE, pots, are 17cm diameter and 15cm deep). All shrubs, (other than ground cover), shall be 420-620mm height and spread, or otherwise specified for the pot size by the BPA National Plant Specification and be bushy, healthy, disease free stock, not pot bound, leggy or spindly. There should be a minimum of 5 breaks per shrub. This specification is the minimum standard required and any stock falling below this standard, in the sole opinion of the inspecting landscape architect, shall be lifted and replaced at the contractor's expense.

3. All shrubs, herbaceous plants, whips and transplants shall be watered in on planting with 10 litres per square meter; trees shall be watered in with 20 litres per tree position. Water thereafter during the correct period at weekly intervals with 30 litres of water.

4. Proposed large, feathered or standard trees to be true to the species, variety and size as specified on the planting plan, to include 1.8m (two) stakes 450mm above ground and 1000mm below ground and 1No. tacks (with spacing device positioned 25mm maximum from the top of the post.

5. Turf to be of cultivated grade such as Kowleam 'Medallion', or other of similar quality and source, approved by the landscape architect. The contractor shall replace at once any turf rejected by the landscape architect at his own cost.

6. Self clinging climbing shrubs or wall shrubs, with 3 growth after the clipper none, shall be trained to the wall/fence with heavy duty, plastic coated garden wire. Training wires shall be attached vertically to the wall/fence by means of 10mm long stainless steel eye screw fittings. Positions 1No. at 250mm from ground, and 1No. 250mm from top of the wall/fence, and spring the wire tightly between the fixings. Train the climber to the wire with plastic coated garden wire ties.

7. Twining varieties of climber, with 1yr growth after the clipper none (on specimen), prepared plants or twining shrubs shall be trained up twiggy fences by weaving ready-made trellis panels (1.8'x 1.8m generally (but 1.8 x 0.9m for corners) or where space is restricted). Include for adapting any panels for locations where walls or fences are lower than 1.8m. Fix trellis panels to the wallsf fences using non rusting screws 100mm long (to be approved), incorporating 50mm cube wood spacing blocks to ensure that the panel is angled sufficiently far from the wall/ fence to allow twining of stems. Ensure that all timber is pressure impregnated with a non phyto-toxic preservative and then painted with a dark brown non phyto-toxic preservative. Ensure wood stain such as Sadolin 'Classic' walnut or similar and approved. Ensure that the trellis is not in contact with the ground. Train the climbing shrub to the trellis with plastic coated garden wire ties.

8. Climbers specified outside proposed shrub beds shall have specially prepared climber pits. Climber pits shall be 400mm x 400mm and 600mm deep (minimum size), and be backfilled with topsoil (from site - unless otherwise agreed). Ensure the base of the pit is thoroughly broken up and free draining before back filling with topsoil. Ensure no damage to foundations and services, and make good all structures and surfaces disturbed. Fertilise with 30g of Vitax 'Nutricote 180' slow release fertilizer. Water with 15 litres of water per climber pit.

D) Mulch

1. When specified by the additional specification notes on this plan, supply and spread agrotextile 'Weedstop Biofabric' biodegradable sheet mulch over planting beds, previously cultivated, graded and fertilized topsoil before planting, and peg down with Weedstop pegs, at a minimum of 150nm centres, (300nm at edges) and beds less than 1m wide. Pegging this density is essential to prevent flaps of material becoming exposed. Refer to the specification for 'Weedstop Biofabric' sheet mulch on plan.

2. Following planting, supply and spread evenly Melcourt Industries 'Rustic Bronulch' to a depth of 50mm, (75mm if no sheet mulch specified), over all planted areas. Finished mulch levels shall be no higher than 15mm below pavement or grass levels to avoid any spillage onto pavements or lawns. N.B. no substitution of mulch type will be acceptable. It is essential to have a no-fines, large particled, brown wood chip to reduce weed growth, reduce wind blow and prevent rapid break down.

E) BS codes

1. All workmanship and materials shall conform to the following codes:- a) General landscape operations (excluding hard surfaces) BS 4428:1989.
b) Earth moving in relation to construction BS 6031: 2009 and BS 6049:1990.
c) Amenity turf BS 4428:1989 Recommendations for new works 2: unless otherwise specified.
d) Arboricultural Association - Standard Conditions of Contract and Specifications of tree Works 1996.
f) Nursery stock in accordance with latest horticultural trade association nursery stock specification entitled "National Plant Specification 2003".
Plants shall conform to:
-BS 3936:- 1: 1992 Nursery Stock - Specification for trees and shrubs.
-BS 3936:- 2 : 1990 Nursery Stock - Specification for roses * AMD 6638.
-BS 3936:- 4 : 1984 Nursery stock - Specification for forest trees.
-BS 3936:- 5 : 1985 Nursery stock - Specification for poplars and willows.
-BS 3936:- 9 : 1990 Nursery stock - Specification for bulbs, corms and tubers.
-BS 3936:-10 : 1990 Nursery stock - Specification for ground cover shrubs.
-CPA Committee for Plant Establishment: Handling and establishing landscape plants 1996, Part 3, paragraphs 6.1 to 6.6.
g) Glossary for Landscape Works BS 7370: Pt 4 1993.
h) Seed - BS 3969 1998- recommendations for turf for general purposes.
i) Seedling Tree Replacements 1974. Use blue labelled certified varieties to ID, purity and germination regulations. When requested, submit an official seed testing station certification of germination/purity and composition.
j) Control of Pesticides Regulations (COPR) and Pesticides Control of Pesticides Regulations 1997 the Health and Safety at Work Act 1974; the COSHH Regulation 2003, the product COSHH sheet. Water Supply (Water Quality) Regulations amended 1991. Control of Pollution Act 1974; Hedgerow Act 1991. Wildlife and Countryside Act 1981.

GENERAL NOTES FOR THE DEVELOPER.

A) Tree protection

1. Any existing trees to be retained, are the responsibility of the main contractor on site who shall take all necessary protective measures set out in BS 5837:2005 to ensure no damage to stems or roots, to prevent compaction from vehicles or storage of materials, contamination of soil from spillages, scorching from fires and instability or stress from changes of soil level. The landscape contractor is however responsible for ensuring that neither plant, materials or labour are cause of any damage to existing trees, and if he does, he shall replace at once any tree damaged on site, supplying and planting a tree of the same species and size, at his own cost. Suitable protective measures shall be chestnut paling, fixed firmly to a rigid timber or scaffolding frame, positioned no closer to the trunk than the drip line of the tree's canopy.

B) Ground work

1. Soil levels: soil levels for shrub beds, and grass areas should have any compacted subgrade thoroughly broken up by machine before instructing the ground worker to spread topsoil or the landscape contractor to commence work or the beds will become waterlogged in wet weather and the plants and turf will die.

2. Top soil spread from on site should be to the following minimum depths:
Shrub beds: 350mm.
Grass areas: 150mm.
Allow for excavation of 415mm of the subgrade for shrub beds to lower beds 40mm below finished pavement or grass areas in order to receive sheet and bark mulch, (50mm below where sheet mulch is not to be used).
Tree pits will be dug by the landscape contractor. Top soil shall be spread for grass areas flush with any areas of paving and for settlement, the soil level should be no greater than 10mm above paved surfaces, and the soil level should be grass-seeded for soil level shall be flush with any finished paved surfaces after settlement, for a maximum of 5mm below) to allow for rain water to drain onto soft surfaces. Settlement shall be no greater than the tolerances given or problems will be encountered with mowing (the blades, in danger of touching concrete edgings) or where soil is proud of pavements, then drainage problems will be encountered.

3. Existing topsoil and imported soil shall conform to BS 3882:2007, and be free from compaction, rocks/particles greater than 50mm diameter, concrete, wire, roots, debris, oil, cement and builders rubble. Soil shall have a clay content of less than 20%.

C) Hardworks

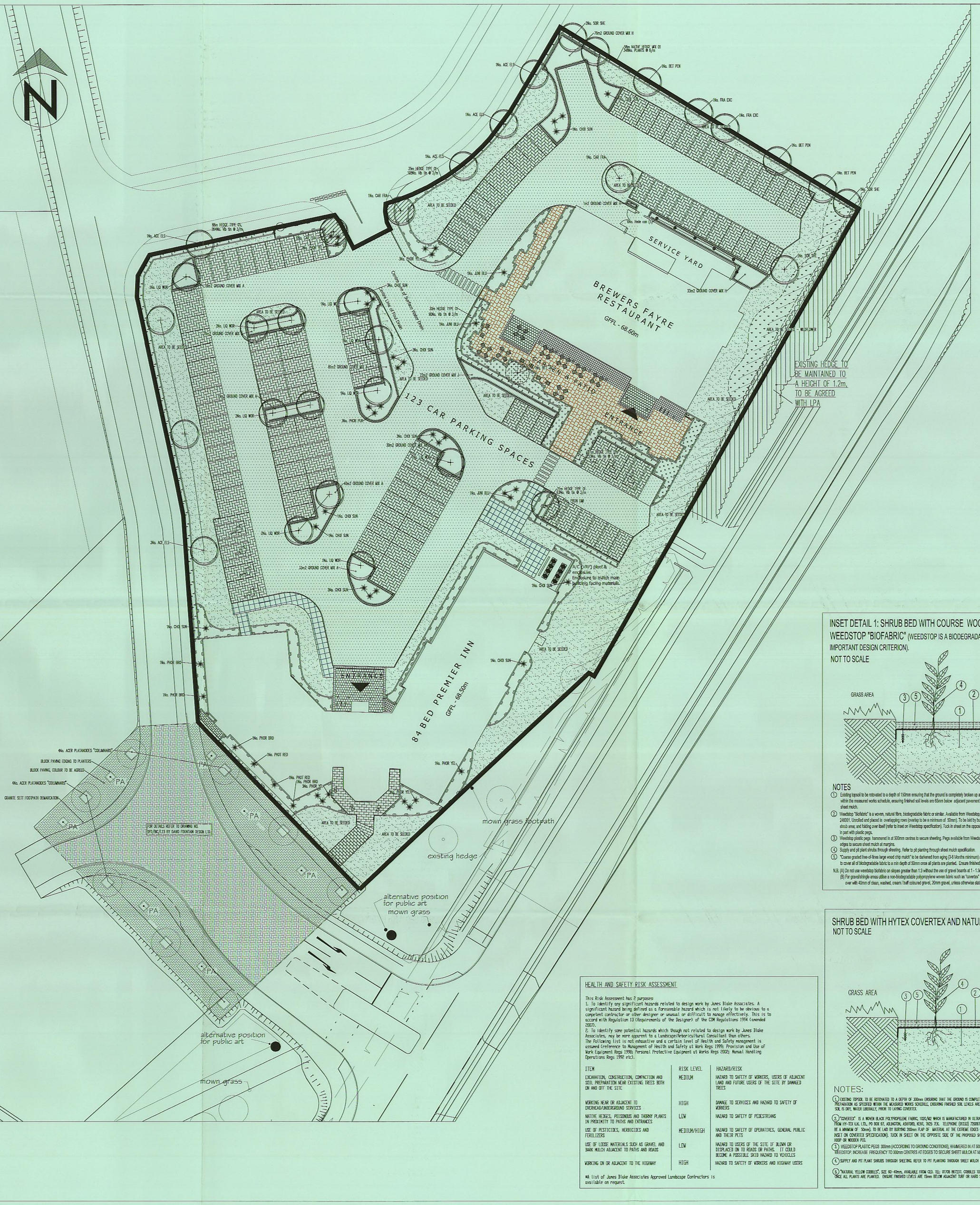
1. Hard works, unless otherwise agreed, shall be carried out by the developer or main contractor, and all materials and workmanship shall be in accordance with the construction details and the layout plan.

2. All paths and edgings shall be set out properly to lines and radii, with all curves scribed on the ground using pegs and string or garden hose, to ensure a flowing natural curve. Setting out shall be carried out with the landscape contractor and subsequently the landscape architect.

3. Hard surfaces shall be constructed after suitable base courses have been laid, taking full account of local site conditions, soil types and substrate. The indicative depths of base courses are minimum depths assuming suitable substrate conditions.

4. All metalwork shall be finished hot dipped galvanized in accordance with BS EN 1461:1999. The galvanizer shall be responsible for the thorough removal of all galvanizing swarfs (fettling) to the complete satisfaction of the landscape Architect. The decorating contractor shall prepare the galvanized surface by washing with detergents and water and scrubbing with a scouring pad until all dirt, grease, white rust & sulphates have been removed & then allowed to dry thoroughly. Supply and paint: Tiflex 6637 from Sika UK Ltd. (Tel. 01707 374444) applied with a turnbrush brush strictly in accordance with the manufacturer's instructions, COSHH regulations and the product COSHH sheet. Apply 2No. coats of paint with a dry film thickness of 100 microns per coat. Apply paint only when ambient and surface temperatures are not less than 5 degrees above the dew point, and when the relative humidity is not greater than 80 percent. Temperatures. Paint work will be subject to inspection by property and if found wanting, shall be stripped off, re-prepared and applied entirely at the decorating contractors own cost.

5. All wood work to use ACQ water based wood preservative supplied by vacuum pressure by Fenwood or other similar and approved company. The timber shall then be stained with 2No. coats of Sadolin 'Classic' colour 'Walnut' strictly in accordance with the manufacturers instructions, COSHH Regulations 2003 and product COSHH sheet.



HEALTH AND SAFETY RISK ASSESSMENT

This Risk Assessment has 2 purposes:
1. To identify any significant hazards related to design work by Jones Blake Associates. A significant hazard being defined as a foreseeable hazard which is not likely to be obvious to a competent contractor or other designer or unusual or difficult to manage effectively. This is to accord with Regulation 13 (Requirements of the Designer) of the CDM Regulations 1994 (amended 2007).
2. To identify some potential hazards which though not related to design work by Jones Blake Associates, may be new opponent to a Landscape/Garden Contractor. Consider the following:
The following list is not exhaustive and a certain level of Health and Safety management is assumed (reference to Management of Health and Safety at Work Regs 1999; Provision and Use of Work Equipment Regs 1998; Personal Protective Equipment at Works Regs 2002; Manual Handling Operations Regs 1992 etc).

ITEM	RISK LEVEL	HAZARD/RISK
EXCAVATION, CONSTRUCTION, COMPACTION AND SOIL PREPARATION NEAR EXISTING TREES BOTH ON AND OFF THE SITE	MEDIUM	HAZARD TO SAFETY OF WORKERS, USERS OF ADJACENT LAND AND FUTURE USERS OF THE SITE BY DAMAGED TREES
WORKING NEAR OR ADJACENT TO OVERHEAD/UNDERGROUND SERVICES	HIGH	DAMAGE TO SERVICES AND HAZARD TO SAFETY OF WORKERS
NATIVE INSECTS, PESTICIDES AND THORNY PLANTS IN PROXIMITY TO PATHS AND ENTRANCES	LOW	HAZARD TO SAFETY OF PEDESTRIANS
USE OF PESTICIDES, HERBICIDES AND FERTILIZERS	MEDIUM/HIGH	HAZARD TO SAFETY OF OPERATIVES, GENERAL PUBLIC AND THEIR PETS
USE OF LOOSE MATERIALS SUCH AS GRAVEL AND BARK MULCH ADJACENT TO PATHS AND ROADS	LOW	HAZARD TO USERS OF THE SITE IF BLOWN OR DISPLACED IN TO ROADS OR PATHS. IT COULD BECOME A POSSIBLE SKID HAZARD TO VEHICLES
WORKING ON OR ADJACENT TO THE HIGHWAY	HIGH	HAZARD TO SAFETY OF WORKERS AND HIGHWAY USERS

NB. A list of Jones Blake Associates Approved Landscape Contractors is available on request.

SCHEDULE OF PLANTS

SPECIMENS PLANTED IN BEDS, GRASS OR GRAVEL

QTY	CODE	PLANT NAME	SIZES		SPC	BF3
19No.	CHU SUN	Choisya ternata 'Sundance'	C.6.	12L	-	
3No.	PHO RED	Photinia x fraseri 'Red Robin'	C.6.	12L	-	
3No.	PHO FOR	Photinia 'Snow Flake' 'Pinkpinnat'	C.6.	12L	-	
3No.	PHO RED	Photinia x fraseri 'Red Robin'	C.6.	12L	C 1.75	
1No.	PHO YEL	Photinia 'Yellow Wave' Pinkpinnat'	C.6.	12L	-	
3No.	LAV BLU	Lavandula angustifolia 'Blue Pencil'	C.6.	12L	-	

CLIMBERS

QTY	CODE	PLANT NAME	SIZES		SPACING	BF3
6No.	TRA CAR	Trachelospermum Carolinense 'Giant of Marengo'???	C.6.	2L	1.5m	Y

STANDARD TREES

QTY	CODE	PLANT NAME	SIZES		SIZE	BF3	NAT	HS	VS
3No.	ACE CAM	Acer campestre 'Elsrijk Jet'	C.G.	12L	9-12cm	3.5m	20m	N	
3No.	ACE PLA	Acer platanoides 'Princeton'	C.G.	12L	9-12cm	3.5m	20m	N	
3No.	CAR FRA	Carpinus betulus 'Fastigiata'	C.G.	12L	9-12cm	3.5m	20m	N	
1No.	FRA EXC	Fraxinus excelsior	C.G.	12L	10-12cm	3.5m	25m	N	
1No.	LIQ STY	Liquidamber styraciflua 'Worplesdon'	C.G.	12L	10-12cm	3.5m	25m	N	
1No.	PRU AVI	Prunus 'Amanogawa'	C.G.	12L	10-12cm	3m	15m	N	
4No.	SOR SHE	Sorbus aucuparia 'Sheerwater Seedling'	C.G.	12L	10-12cm	3m	15m	N	

MULTI-STEM TREES

QTY	CODE	PLANT NAME	SIZES		SIZE	BF3	NAT	HS	VS
1No.	BET JAC	Betula utilis 'Jacquemontii'	C.G.	12L	300-350cm	3m	15m	L	

HEAVY STANDARD TREES

QTY	CODE	PLANT NAME	SIZES		SIZE	BF3	NAT	HS	VS
1No.	CAR FOR	Carpinus betulus 'Frans Fontaine'	H.G.	HPTOS	20-25cm	8m	15m	L	

ORNAMENTAL HERBS/ PLANTING

QTY	CODE	PLANT NAME	SIZES	SPACING	CHC	BF3
3No.	Hedge type 1: Fragile rose					
102No.	Fra Ice	Rosmarinus officinalis 'Fra Ponce'	C.G. 3L	3m	3	0.25

NATIVE HERBS/ HERBS

QTY	S	PLANT NAME	SIZES	SPACING	CLUS	BF3	NAT	HS	V
2No.	Hedge type 2: Ornamental hedge								
2No.	SOR	Sorbus aucuparia	C.G.	60-80cm	1.5m	2m	N		
2No.	CRA	Crataegus monogyna	C.G.	60-80cm	1.5m	2m	N		
2No.	PRU	Prunus spinosa	C.G.	60-80cm	1.5m	2m	N		
2No.	LIG	Ligustrum vulgare	C.G.	60-80cm	1.5m	2m	N		
2No.	COR	Cornus sanguinea	C.G.	60-80cm	1.5m	2m	N		

PLANT MIXES

QTY	S	PLANT NAME	SIZES	SPACING	CLUS	BF3	NAT	HS
10m2	GROUND COVER MIX A	(individual species to be planted in groups of approx 20)						
1No.	VIC	Vinca minor	C.G.	2L	3/m2			
1No.	EUO	Euonymus fortunei 'Emerald n Gold'	C.G.	2L	3/m2			
1No.	LIG	Ligustrum ovalifolia	C.G.	2L	3/m2			
1No.	HED	Hedera helix	C.G.	2L	3/m2			
10m2	GROUND COVER MIX B	(individual species to be planted in groups of approx 20)						
1No.	VIC	Euonymus fortunei 'Emerald n Gold'	C.G.	2L	3/m2			
1No.	LIG	Ligustrum ovalifolia	C.G.	2L	3/m2			
1No.	HED	Hedera helix 'Hibernica'	C.G.	2L	3/m2			
10m2	GROUND COVER MIX C	(individual species to be planted in groups of approx 20)						
1No.	EUO	Euonymus fortunei 'Emerald n Gold'	C.G.	2L	3/m2			
1No.	PRO	Prunus laurocerasus	C.G.	2L	3/m2			
1No.	EUO	Euonymus fortunei 'Dragon's Eye'	C.G.	2L	3/m2			
1No.	LIG	Ligustrum vulgare	C.G.	2L	3/m2			
1No.	LIG	Ligustrum ovalifolia	C.G.	2L	3/m2			

SEED MIXES

AREA	SEED MIX NAME	
1200m2	Amenity grass mix	("Sun 37" Mix by Barenbrug, refer to Measured Works Schedule)
32m2	Wildflower meadow mix	("CMP" Mix by Barenbrug, refer to Measured Works schedule)
25m2	Area to be turfed	("Medallion" by Kowleam Ltd, refer to Measured Works Schedule)

NOTES AND ABBREVIATIONS

G.L - Root-balled stock
C.G - Container grown stock
B.R - Bare grown stock, to be planted Oct - March Inc
T.F - Fieldgrown tree
H.G - Heavy standard
HPTOS - Heavy Standard tree
CON - Conifer
L - Litre container
3B - "Robinson Free Buildings" based on minimum building foundation depths
Max Ht - "Maximum height" of plant
H - "Older Growth" of tree
SHC - Shrub Height Class
1 = 0.25m - 0.50m mature height
2 = 0.50m - 1.0m mature height
3 = 1.0m - 1.5m mature height (can outlet almond and olive grown)
4 = 1.5m - 2m mature height
5 = 2m - 3m mature height
6 = 3m mature height
Note - Plants not classified within the 3B SHC are NOT recognised as shrubs.
3B unprotected shrubs to be defined as those plants of perennial habit with woody stems.

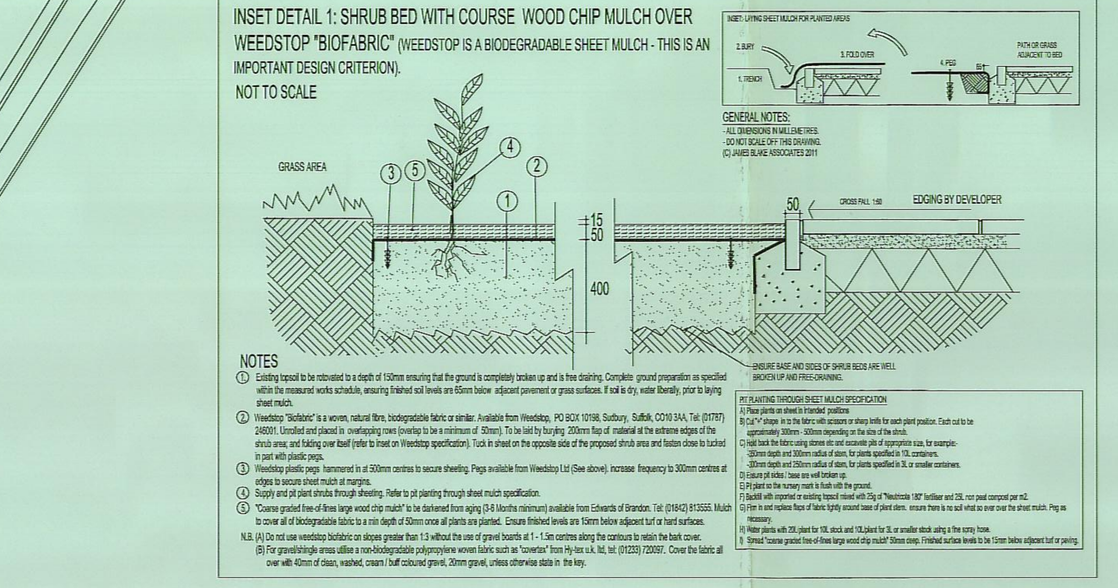
•Girth size is given for standard trees, otherwise all sizes refer to height. All sizes are the minimum acceptable.
•Shrubs specified as 3 litre size shall be 400-450mm minimum height and spread and 3 litre stock shall be 300-450mm minimum height and spread. Tall specimens, and specimen or multi-stem plant size are just a guide and the 'National Plant Specification' sizes will be accepted.
•Plants in containers may be substituted for root balled stock, but shrubs and other plants that this will be rejected at once.
•Common varieties shall be twice transplanted and grown in rare bushy rounded plants. Leggy plants with few branches will be rejected. Plants with multi-stems have been grown hard.
•Plants shall be completely hardened off, any plants which show signs of scorching after planting will be rejected.

REFER TO THE ACCOMPANYING MEASURED WORKS SCHEDULE DOCUMENT FOR MORE INFORMATION
CHANGES TO SPECIES/VARIETIES MAY BE ACCEPTABLE DURING THE PLANTING SEASON
SUBSTITUTIONS TO SUBSIDISED VARIETIES MUST BE AGREED WITH JAMES BLAKE ASSOCIATES.
DO NOT SCALE FROM THIS DRAWING.
ALL DIMENSIONS TO BE CHECKED ON SITE.

(C) JAMES BLAKE ASSOCIATES 2012

INSET DETAIL 1: SHRUB BED WITH COURSE WOOD CHIP MULCH OVER WEEDSTOP "BIOFABRIC" (WEEDSTOP IS A BIODEGRADABLE SHEET MULCH - THIS IS AN IMPORTANT DESIGN CRITERION).

NOT TO SCALE



NOTES

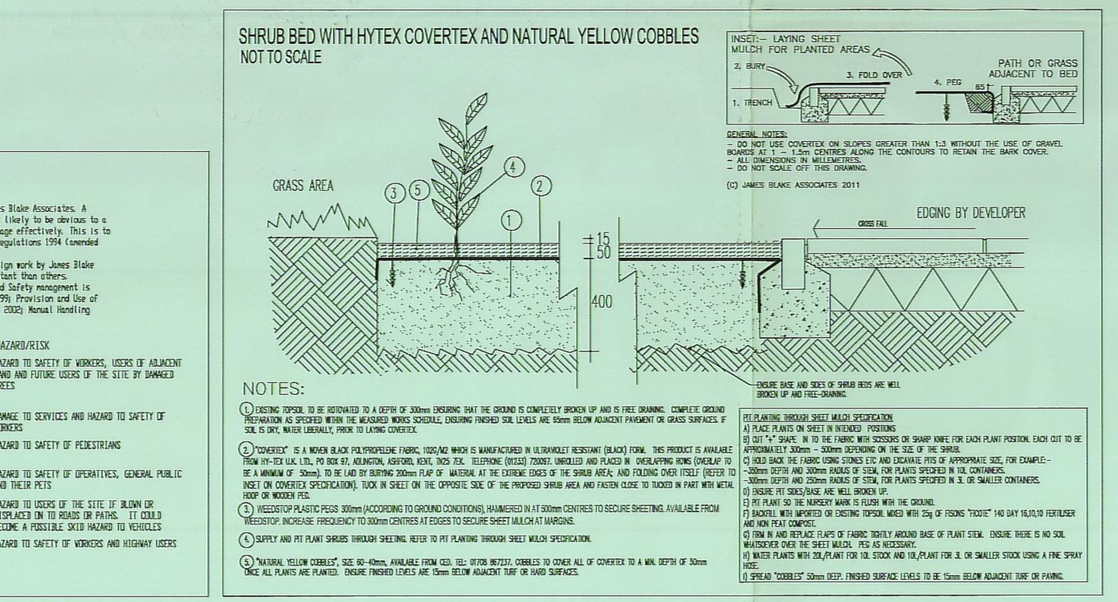
1. Existing topsoil to be rotovated to a depth of 150mm ensuring that the ground is completely broken up and is free draining. Complete ground preparation as specified in the measured works schedule, ensuring finished soil levels are 50mm below adjacent pavement or grass surfaces. If soil is dry, water thoroughly prior to laying sheet mulch.
2. Weedstop "Biofabric" is a woven, natural fibre, biodegradable fabric or similar. Available from Weedstop, PO BOX 10198, Sudbury, Suffolk, CO10 3AA, Tel. (01787) 248201. Excellent coverage is achieved by using 1 roll per 10 sq.m (overlap to be a minimum of 150mm). To be laid by buying 200mm flaps of material at the extreme edges of the shrub area, and folding over itself (refer to treat on Weedstop specification). Tack in sheet on the opposite side of the proposed shrub area and fasten down to tucked in part with plastic pegs.
3. Weedstop plastic pegs: hammered in at 300mm centres to secure sheeting. Pegs available from Weedstop Ltd (See above). Increase frequency to 300mm centres at edges to secure sheet mulch at margins.
4. Supply and pit plant shrubs through sheeting. Refer to pit planting through sheet mulch specification.
5. "Coarse graded free-of-fines large wood chip mulch" to be delivered from aging (3-8 Months minimum) available from Edwards of Brandon. Tel. (01842) 813355. Mulch to cover all of biodegradable fabric to a min depth of 50mm once all plants are planted. Ensure finished levels are 50mm below adjacent turf or hard surfaces.

N.B. (A) Do not use weedstop biofabric on slopes greater than 1:3 without the use of gravel boards at 1 - 1.5m centres along the contours to retain the bark cover.
(B) For greenfields/grass areas utilise a non-biodegradable polypropylene woven fabric such as "weedtex" from Hy-tex u.k. ltd. tel. (01253) 720087. Cover the fabric all over with 40mm of clean, washed, cream / buff coloured gravel, 30mm gravel, unless otherwise state in the key.

PIT PLANTING THROUGH SHEET MULCH SPECIFICATION
1) Place shrub pots in position in intended 'planting' position.
2) Cut 'X' shape in to the fabric with scissors or sharp knife for each plant position. Each cut to be approximately 100mm - 300mm depending on the size of the shrub.
3) Fold back the fabric using stones etc and excavate pits of appropriate size, for example:-
- 100mm depth and 100mm radius of stem, for plants specified in 1L containers
- 200mm depth and 200mm radius of stem, for plants specified in 3L or smaller containers.
4) Ensure pit sides / base are well broken up.
5) Water in the nursery mark to finish with the ground.
6) Backfill with imported or existing topsoil mixed with 25g of "Mycorrhiza 180" fertiliser and 20L non peat compost per m2.
7) Ensure planting holes are large enough to prevent tears of the fabric when plants are inserted.
8) Make a cross cut with 20L plant for 10L stock and 10L plant for 3L or smaller stock using a the spray hose.
9) Spread "coarse graded free-of-fines large wood chip mulch" 50mm deep. Finished surface levels to be 15mm below adjacent turf or paving.

SHRUB BED WITH HYTEX COVERTEX AND NATURAL YELLOW COBBLES

NOT TO SCALE



NOTES:

1. EXISTING TOPSOIL TO BE ROTOVATED TO A DEPTH OF 300mm ENSURING THAT THE GROUND IS COMPLETELY BROKEN UP AND IS FREE DRAINING. COMPLETE GROUND PREPARATION AS SPECIFIED WITHIN THE MEASURED WORKS SCHEDULE, ENSURING FINISHED SOIL LEVELS ARE 50mm BELOW ADJACENT PAVEMENT OR GRASS SURFACES. IF SOIL IS DRY, WATER THOROUGHLY PRIOR TO LAYING COVERTEX.
2. "COVERTEX" IS A WOVEN BLACK POLYPROPYLENE FABRIC, 100G/M2 WHICH IS MANUFACTURED IN ULTRAVIOLET RESISTANT (BLACK) FORM. THIS PRODUCT IS AVAILABLE FROM HY-TEX U.K. LTD., PO BOX 871, ARLINGTON, ASHFORD, KENT, TN25 7EX. TELEPHONE (01233) 720087. UNROLLED AND PLACED IN OVERLAPPING ROWS (OVERLAP TO BE A MINIMUM OF 150mm). TO BE LAID BY BURYING 200mm FLAP OF MATERIAL AT THE EXTREME EDGES OF THE SHRUB AREA; AND FOLDING OVER itself (REFER TO INSET ON COVERTEX SPECIFICATION). TUCK IN SHEET ON THE OPPOSITE SIDE OF THE PROPOSED SHRUB AREA AND FASTEN CLOSE TO TUCKED IN PART WITH METAL HOOP OR WOODEN PEG.
3. WEEDSTOP PLASTIC PEGS 300mm (ACCORDING TO GROUND CONDITIONS), HAMMERED IN AT 300mm CENTRES TO SECURE SHEETING. AVAILABLE FROM WEEDSTOP. INCREASE FREQUENCY TO 300mm CENTRES AT EDGES TO SECURE SHEET MULCH AT MARGINS.
4. SUPPLY AND PIT PLANT SHRUBS THROUGH SHEETING. REFER TO PIT PLANTING THROUGH SHEET MULCH SPECIFICATION.
5. "NATURAL YELLOW COBBLES", SIZE 40-42mm, AVAILABLE FROM CELL TEL. 01705 867331. COBBLES TO COVER ALL OF COVERTEX TO A MIN. DEPTH OF 30mm ONCE ALL PLANTS ARE PLANTED. ENSURE FINISHED LEVELS ARE 15mm BELOW ADJACENT TURF OR GRASS SURFACES.

PIT PLANTING THROUGH SHEET MULCH SPECIFICATION
1) PLACE PLANTS ON SHEET IN INTENDED POSITIONS
2) USING A "X" MARK, THE FABRIC WITH SCISSORS OR SHARP KNIFE, FOR EACH PLANT PERFORATION. EACH CUT TO BE APPROXIMATELY 300mm - 300mm DEPENDING ON THE SIZE OF THE SHRUB.
3) FOLD BACK THE FABRIC USING STONES ETC AND EXCAVATE PITS OF APPROPRIATE SIZE, FOR EXAMPLE:-
- 300mm DEPTH AND 300mm RADIUS OF STEM, FOR PLANTS SPECIFIED IN 10L CONTAINERS.
- 500mm DEPTH AND 350mm RADIUS OF STEM, FOR PLANTS SPECIFIED IN 3L OR SMALLER CONTAINERS.
4) ENSURE PIT SIDES/BASE ARE WELL BROKEN UP.
5) PLACE PLANT SO THE NURSERY MARK IS FLUSH WITH THE GROUND.
6) BACKFILL WITH IMPORTED OR EXISTING TOPSOIL MIXED WITH 25g OF FISONS "FIDELITY" 140 DAY NILPOD FERTILISER AND NON PEAT COMPOST.
7) TRIM IN AND NOTCH ALL FLAPS OF FABRIC TIGHTLY AROUND BASE OF PLANT STEM. ENSURE THERE IS NO SOIL WHATSOEVER OVER THE SHEET MULCH. PEG AS NECESSARY.
8) WATER PLANTS WELL FOR THE FIRST 2 WEEKS AFTER PLANTING. PLANT FOR 3L OR SMALLER STOCK USING A FINE SPRAY HOSE.
9) SPREAD "COBBLES" 50mm DEEP. FINISHED SURFACE LEVELS TO BE 15mm BELOW ADJACENT TURF OR PAVING.

KEY

SOFT WORKS

- PROPOSED STANDARD TREE, INCLUDING DOUBLE STAKE AND TIE. SEE SPECIFICATION NOTES A1, B2-3, B5, C1-4, D1-2 AND E1.
- PROPOSED HEAVY STANDARD TREE, INCLUDING DOUBLE STAKE AND TIE. SEE SPECIFICATION NOTES A1, B2-3, B5, C1-4, D1-2 AND E1.
- PROPOSED MULTI-STEM TREE, INCLUDING DOUBLE STAKE AND TIE. SEE SPECIFICATION NOTES A1, B2-3, B5, C1-4, D1-2 AND E1.
- SHRUB AND HERBACEOUS PLANTING, INCLUDING BIODEGRADABLE SHEET AND BARK MULCH (ACCORDING TO SPECIFICATION). SEE SPECIFICATION NOTES A1-2, B1-3, C1-3, D1-2 AND E1.
- I.GL SHRUB AND HERBACEOUS PLANTING, INCLUDING COVERTEX AND COBBLE MULCH (ACCORDING TO SPECIFICATION) REFER TO HEDGE SCHEDULES ON PLAN AND THE SCHEDULE OF QUANTITIES. SEE SPECIFICATION NOTES A1-2, B1-3, B6, C1-5, D1-2 AND E1.
- GROUNDCOVER PLANTING IN MIXES, INCLUDING BIODEGRADABLE SHEET AND BARK MULCH (ACCORDING TO SPECIFICATION). SEE SPECIFICATION NOTES A1-2, B1-3, C1-3, D1-2 AND E1.
- HEDGE PLANTING, INCLUDING BIODEGRADABLE SHEET AND BARK MULCH (ACCORDING TO SPECIFICATION). REFER TO HEDGE SCHEDULES ON PLAN AND THE SCHEDULE OF QUANTITIES. SEE SPECIFICATION NOTES A1-2, B1-3, B5, C1-3, D1-2 AND E1.
- CULTIVATED TURF UNLESS OTHERWISE STATED ON PLAN. SEE SPECIFICATION NOTES B4, C5 AND E1.
- WILDFLOWER SEEDED AREA. REFER TO PLANT SCHEDULE FOR SPECIFICATION OF MIX.
- SPECIMEN SHRUBS IN SHRUB BEDS OR PIT PLANTED IN GRASS/GRAVEL AREAS. SPECIMEN SHRUBS IN GRASS ARE MEASURED SEPARATELY IN SCHEDULE OF QUANTITIES. SEE SPECIFICATION NOTES A1, B1-3, C1-3, D1-2 AND E1.
- EXISTING VEGETATION GROUP OR HEDGE TO BE RETAINED. SEE GENERAL NOTE A1 AND E1. SEE NOTE ON PLAN.

HARD WORKS

- TARMAC WITH WHITE LINING TO CAR SPACES AND FLAT TOPPED PCC EDGING 255 x 150 x 800mm LAID FLUSH ALL TO FALLS AND CROSSFALLS TO DRAIN OF FOOTFALLS.
- MARSHALLS ARBURY PAVING, COLOUR "BUFF MULTI", SIZES: 450mm x 450mm x 50mm & 450mm x 600mm x 50mm OR SIMILAR AND APPROVED, LAID IN A REPLETAIRE RANDOM PATTERN. EDGE PAVING SEARS ADJACENT TO PLANTING OR GRASS TO BE LAID ON SCREED
- MAR