

# London Trees and Woodlands Grant Scheme (LWGS).

## London Trees and Woodlands Standard Costs.

April 2009

### Fencing

	<u>Activity</u>	<u>Specification</u>	<u>Units</u>	<u>EWGS Costs £'s</u>	<u>Inner London Area Costs Plus 20%</u>	<u>Outer London Area Costs Plus 15%</u>
F1	Stock Fencing	FC Bulletin 102 "Forest Fencing-Stakes at 3m centres using c8/80/15 netting with two lines of barb wire	Metre	3.50.	4.56.	4.30.
F1a	Stock Fencing in Severely Disadvantaged Areas	As per F1 but for sites in areas of social exclusion with poor site access.	Metre	4.50	5.80	5.60
F2	Stock and Rabbit fencing	FC Bulletin 102 as for F1 plus standard 18 gauge netting. Rabbit proof for minimum of 10 years	Metre	5.60	7.29	6.98
F3	Rabbit Fencing	FC Bulletin 102 "Forest Fencing" Standard 18 Gauge netting, posts at 5m centres two line wires rabbit proof for minimum of 10 years	Metre	4.60	5.98	5.74
F4	Deer Fencing	FC Bulletin 102 "Forest Fencing" Minimum to match light spec but must be fit for purpose, i.e suitable for species excluding-fallow & red will need higher spec. Deer proof for a minimum of 10 years	metre	6.00	7.81	7.48

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F4a	Deer Fencing in Severely Disadvantaged Areas	As per F4 but for sites in areas of social exclusion and site access is poor.	metre	8.00	10.00	9.98
F5	Temporary Deer Fencing	FC Practice Note 9-temporary fencing. Costs take account of reuse	metre	4.00	5.20	4.99
F6	Deer and Rabbit Fencing	FC Bulletin 102 "Forest fencing"-as above.	metre	8.00	10.40	9.98
F7	Deer gate Vehicle Access gate	Swing type-3m x 1.8m	each	330.00	430.00	411.00
F14	Deer Exclosure	4m x 4m exclosure plot, using stock fencing, plot and rabbit fence if necessary	each	100.00	130.00	125.00
F8	Hanging Watergate	FC Bulletin 102 "Forest fencing" >5m span	each	280.00	364.00	349.00
F9	Hanging Watergate	FC Bulletin 102 "Forest Fencing" <5m span	each	150.00	195.00	187.00
F10	Field gate British Standard	12ft Bar treated softwood.	each	290.00	378.00	361.00.
F11	Badger Gate	FC Bulletin 102 "Forest Fencing"	each	40.00	52.00	56.00.
F12	Supply and Fit Pole barrier and posts	Labour & materials (treated timber)	each	150.00	195.00	187.00
F13	Metal pole and posts	Labour & materials	each	300.00	390.00	374.00

## **Mammal Management.**

	<u><b>Activity</b></u>	<u><b>Specification</b></u>	<u><b>Units</b></u>	<u><b>EWGS Costs £'s</b></u>	<u><b>Inner London Area Costs Plus 20%</b></u>	<u><b>Outer London Area Costs Plus 15%</b></u>
C1	Squirrel Hoppers	FC Practice Note "Controlling grey squirrel damage to woodland"	each	30.00	39.00	37.4

C2	Hopper Maintenance	To include minimum fortnightly visits, bait, wheat and warfarin. Record sheets should be made available of required. Season/hopper	each	65.00	84.60	81.00
C3	Squirrel Cage Trap	FC Practice Note "controlling grey squirrel damage to woodland"	each	25.00	32.50	31.00
C4	Squirrel Trap Maintenance	Minimum of one daily visit to each cage to despatch and reset. Cost is per trap per season.	each	65.00	84.60	81.00
C5	Squirrel Blood Tests	Single use squirrel pox testing kits 10 in number	10	10.80	13.0	12.40
C6	Deer high seat	Portable, free standing in galvanised tubular or box section steel	each	325.00	390.00	374.00
C7	Deer Control.	Population control/management	hectare	5.42	6.50.	6.23
C8	Vole Guards	Includes guards and labour for attachment	100	30.00	39.00	37.43

## Tree and Vegetation Management.

	<u>Activity</u>	<u>Specification</u>	<u>Units</u>	<u>EWGS Costs £'s</u>	<u>Inner London Area Costs Plus 20%</u>	<u>Outer London Area Costs Plus 15%</u>
V1	Management of Open	Material majority <7cm diameter, cut with a flail				

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	Ground-tree/scrub cutting	mounted machine.	net hectare	270.00	324.00.	311.00.
V2	Management of Open Ground-tree/scrub cutting	Material majority <7cm diameter, cut manually	net hectare	541.00	649.00	622.00.
V3	Management of Open Ground-tree/scrub cutting	Material majority >7cm diameter, flailed with a mulcher	net hectare	1082.00	1298.00	1244.00
V4	Management of Open Ground-tree/scrub cutting	Material majority >7cm diameter, manually cut and left to decay	net hectare	1622.00.	1947.00	1866.00.
V5	Chemical Weed Control	Spot spray 1600-2250 trees per hectare 1m <sup>2</sup> spot	spot	0.065	0.076	0.074
V6	Chemical Weed Control Spot Spray	Spot spray 1100 trees per hectare	spot	0.086	0.11	0.097
V7	Asulox within Woodland Context	Application	hectare	238.00	286.00	274.00.
V8	Chemical Stump Treatment	Application	hectare	216.00	260.00	249.00
V9	Coppicing Broadleaves	30+ years since last cut. Cut whole stool/whole area. Does not include fencing, gapping up or layering.	hectare	1730.00	2077.00	1990.00
V10	Coppicing Broadleaves	Less than 30 years since last cut. Does not include fencing, gapping up or layering.	hectare	1082.00	1200.00	1300.00
V11	Deadwooding single woodland tree over public access.	Remove hazardous deadwood from single tree over footpath/road	Less than 300mm DBH. 1.00	N/A	13.00	10.80
V12	Deadwooding	Remove hazardous				

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	single woodland tree over public access.	deadwood from single tree over footpath/road	300mm to 500mm DBH 1.00.	N/A	48.60	41.37
V13	Deadwooding single woodland tree over public access	Remove hazardous deadwood from single tree over footpath/road	500mm to 1000mm DBH 1.00.	N/A	81.00	64.35
V14	Deadwooding single woodland tree over public access	Remove hazardous deadwood from single tree over footpath/road	1000mm and higher DBH 1.00	N/A	129.80	110.32
V15	Crown reduce single woodland tree	Crown reduce single woodland tree by 35%	300mm to 500mm DBH 1.00	N/A	70.00	59.75
V16	Crown reduce single woodland tree	Crown reduce single woodland tree by 35%	500mm to 1000mm DBH 1.00.	N/A	162.24	137.90
V17	Crown reduce single woodland tree	Crown reduce single woodland tree by 35%	1000mm and higher DBH 1.00.	N/A	308.25	262.00
V18	Fell single woodland tree	Fell single woodland tree over footway/ access	Less than 300mm DBH 1.00	N/A	19.46	16.54
V19	Fell single woodland tree	Fell single woodland tree over footway/ access	300mm to 500mm DBH 1.00	N/A	92.0	78.00
V20	Fell single woodland tree	Fell single woodland tree over footway/ access	500mm to 1000mm DBH 1.00	N/A	227.00	193.00
V21	Fell single woodland tree	Fell single woodland tree over footway/ access	1000mm and higher DBH	N/A	497.00.	422.90
V22	Ride Management	Two zone cutting-cut central zone annually and alternate outer zones biannually. Average ride width 5m	Per km/yr	216.00	240.00	260.00
V23	Ride Management	Three zone cutting- as V11 with 3 <sup>rd</sup> zone cut on 5yr cycle. Average ride width 8-10m	Per km/yr	270.00	324.00	311.00
V24	Grass Cutting Recreation Areas	Repeated mowing of open areas to maintain grass generally below 10cm.	Season/hectare	595.00	714.00	684.00

V25	Path Strimming	Path strimming 3m wide, each pass.	metre	0.16	0.19	0.18
V26	Rhododendron Control (see technical note 2/96)	Rhododendron majority < 7cm diameter, cut with a flail	hectare	324.00	389.00	373.00
V27	Rhododendron Control	Rhododendron majority > 7cm diameter, manually cut	hectare	2163.00	2596.00	2488.00.
V28	Follow up respray.	Respray of rhododendron Growth.	hectare	324.00	389.00	373.0.
V29	Rhododendron Control	Rhododendron on difficult sites- steep & inaccessible/large dense Rhododendron.	hectare	3786.00	4543.00	4353.00
V30	Removal of Arisings	Removing arisings from ride management for conservation purposes.	Linear metre	0.54	0.65	0.61
H1	Thinning of small Plantations	Fell, sned and cross cut (does not count for income)	hectare	454.00	545.00	522.00.
H2	Extraction	Extraction (does not count for income).	hectare	260.00	312.00	300.00

## **Woodland Road.**

	<b><u>Activity</u></b>	<b><u>Specification</u></b>	<b><u>Units</u></b>	<b><u>EWGS Costs £'s</u></b>	<b><u>Inner London Area Costs Plus 20%</u></b>	<b><u>Outer London Area Costs Plus 15%</u></b>
R1	Access Road Formation and Hardcore	Category 1a Track: Excavate new track to 300mm depth, 3.2m wide, hard surface of hardcore/type 1 or equivalent suitable for 44 tonnes G.V.W. to include culverts, loading and turning bays.	metre	43.00	52.00	50.00.
R2	Road Maintenance	Repair and maintain to original standard				

			metre	0.76	0.90	0.86
R3	Cut and Form New Track	Cut and form new track-2.5m wide, using stone where necessary to enable access by forwarder or 4 wheel drive vehicle	metre	10.80	13.00	12.44

## **Tree Establishment**

### **Tree Planting in Woodland.**

	<b><u>Activity</u></b>	<b><u>Specification</u></b>	<b><u>Units</u></b>	<b><u>EWGS Costs £'s</u></b>	<b><u>Inner London Area Costs Plus 20%</u></b>	<b><u>Outer London Area Costs Plus 15%</u></b>
E1	Supply of plants	Supply of conifer (bareroot transplants) per 1000	1000	162.00	195.00	187.00
E2	Supply of plants	Supply of broadleaves and shrub (bareroot transplant) per 1000	1000	324.00	389.00	373.00
E3	Planting costs	Slit planting per 1000.	1000	216.00	260.00	250.00
E4	Supply and planting costs.	Supply and planting costs tree + 1.2m tube + treated soft wood stake & labour	1.00	2.70	3.24	3.10.
E5	Supply and planting costs.	Supply and planting costs tree + 0.75m tree shelter + treated softwood stake & labour.	1.00	2.70	3.24	3.10
E6	Supply and planting costs.	Supply and planting costs tree + 0.6m tube + stake per tree.	1.00	1.78	2.14	2.05
E7	Supply and planting costs	Tree + 0.6m spiral guard + cane per tree	1.00	1.08	1.30	1.24
E8	Supply cost for standard tree 12-14cm girth.	Supply containerised standard tree average 12-14cm girth, price variable dependent on species				

			1.00	N/A	81.00	69.00
E11	Plant standard tree in open ground tree pit.	Prepare tree pit for standard tree. Pit size 1000mm x 1000mm x800mm, plant standard tree with twin stakes watering tube and mulch.	1.00	N/A	54.00	46.00
E12	Watering	Water young tree in pit via tube applying a minimum of 60 litres per visit. (14 visits per season)	1.00	N/A	4.32	3.70
E13	Young Tree Maintenance	Check ties, manually weed pit	1.00	N/A	4.32	3.70
E14	Young Tree Maintenance	Combined watering and weeding, tie and stake checking visit.	1.00	N/A	10.80	9.20
E15	Respacing natural regeneration	Brushcutting natural regeneration to 2m spacing	hectare	865	1038.00	995.00
E16	Weevil spray	Flood spray each plant, up to 2250 per hectare	hectare	173.00	207.00	199.00

## Tree Planting in the Urban Highway.

Health and safety, Traffic regs , costs reflect pedestrian and road traffic management.

E8	Supply cost for standard tree 14-16cm girth.	Supply containerised standard tree average 14-16cm girth, price variable dependent on species	1.00	N/A	138.50	133.00
E9	Excavate Trial Pit in paved footway.	Excavate trial pit in paved area 1000mm x 1000mm x 800mm. Services check. Back fill with topsoil	1.00	N/A	216.00	184.00

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E9a	Abort Excavated Trial Pit due to presence of services.	Abort excavated trial pit due to presence of services, backfill with extracted material and reinstate to standard pre-existing surface	1.00	N/A	108.00	92.00
E9b	Plant standard tree in paved area tree pit.	Prepare tree pit for standard tree in paved area with LA approved pit edging. Pit size 1000mm x 1000mm x 800mm, plant standard tree with twin stakes, ties, watering tube and mulch.	1.00	N/A	81.00	69.00
E10	Excavate Trial pit in Concrete surface.	Excavate trial hole for services check in concrete area. Pit size 1000mm x 1000mm x 800mm. Backfill with topsoil.	1.00	N/A	216.00	184.00.
E10a	Abort excavated pit due to presence of services.	Abort excavated trial pit due to presence of services backfill with excavated material and reinstate to match existing surface	1.00	N/A	130.00	110.00
E10b	Plant standard tree in concrete area	Prepare tree pit for standard tree in concrete area with LA approved pit edging. Plant standard tree with twin stakes, watering tube and mulch.	1.00	N/A	81.00	69.00
E11	Excavate Trial pit in Grass verge.	Excavate trial pit for services check in grass verge. Pit size 1000mm x 1000mm x800mm. Backfill with topsoil.	1.00	N/A	173.00	147.00.
E11a	Abort due to presence of services	Abort excavated pit due to presence of services, backfill with excavated a material and reinstate to match existing	1.00	N/A	60.00	50.00
E11b	Plant standard tree in grass verge	Prepare tree pit for standard tree in grass verge with LA approved pit edging. Plant standard tree with twin stakes, watering tube and - mulch.	1.00	N/A	70.00	60.00

E12	Excavate Trial pit in tarmac area	Excavate trial pit for services check in tarmac surface. Pit size 1000mm x 1000mm x 800mm. Back fill with topsoil.	1.00	N/A	216.00	184.00
E12a	Abort due to presence of services	Abort excavated pit due to presence of services, backfill with excavated material and reinstate to match existing	1.00	N/A	130.00	110.00
E12b	Plant Standard tree in tarmac surface	Prepare tree pit for standard tree in grass verge with LA approved pit edging. Plant standard tree with twin stakes, watering tube and mulch.	1.00	N/A	81.00	70.00
E13	Watering	Water young tree in pit via tube applying a minimum of 60 litres per visit. (14 visits per season)	1.00	N/A	4.32	3.70
E14	Young Tree Mainten.	Combined watering and weeding, tie and stake checking visit.	1.00	N/A	10.80	9.20
E14a	Young Tree Mainten.	Check ties, manually weed pit	1.00	N/A	4.32	3.70

## Tree Planting in the Urban School Grounds.

Health and safety, crowd control, guards etc. If tree planting in hard surfaces revert to section above. .

E15	Supply cost for standard tree 14-16cm girth.	Supply containerised standard tree average 14-16cm girth, price variable dependent on species	1.00	N/A	138.50	133.00
E16	Excavate Trial pit in open ground.	Excavate trial pit in open ground area 1000mm x 1000mm x 800mm. Services check. Back fill with topsoil	1.	N/A	60.00	50.00

E16a	Abort Excavated trial pit due to presence of services.	Abort excavated trial pit due to presence of services, backfill with extracted material and reinstate to standard pre-existing surface	1.00	N/A	49.00	41.00
E16b	Plant standard tree in open ground area tree pit.	Prepare tree pit for standard tree in open ground area with LA approved pit edging. Pit size 1000mm x 1000mm x 800mm, plant standard tree with twin stakes, ties, watering tube and mulch.	1.00	N/A	60.00	50.00
E16c	Watering	Water young tree in pit via tube applying a minimum of 60 litres per visit. (14 visits per season)	1.00	N/A	4.32	3.70
E16d	Young Tree Mainten.	Combined watering and weeding, tie and stake checking visit.	1.00	N/A	10.80	9.20
E16e	Young Tree Mainten.	Check ties, manually weed pit	1.00	N/A	4.32	3.70

## Tree Planting in the Urban Open Space (Parkland).

Health and safety, crowd control , guards etc etc.

E17	Supply cost for standard tree 14- 16cm girth.	Supply containerised standard tree average 14-16cm girth, price variable dependent on species	1.00	N/A	138.50	133.00
E18	Excavate Trial pit in open ground.	Excavate trial pit in open ground area 1000mm x 1000mm x 800mm. Services check. Back fill with topsoil	1.00	N/A	54.00	46.00.

E18a	Abort Excavated trial pit due to presence of services.	Abort excavated trial pit due to presence of services, backfill with extracted material and reinstate to standard pre-existing surface	1.00	N/A	43.00	37.00
E18b	Plant standard tree in open ground area tree pit.	Prepare tree pit for standard tree in open ground area with LA approved pit edging. Pit size 1000mm x 1000mm x 800mm, plant standard tree with twin stakes, ties, watering tube and mulch.	1.00	N/A	54.00	46.00
E18c	Watering	Water young tree in pit via tube applying a minimum of 60 litres per visit. (14 visits per season)	1.00	N/A	4.32	3.70
E18d	Young Tree Mainten.	Combined watering and weeding, tie and stake checking visit.	1.00	N/A	10.80	9.20
E18e	Young Tree Mainten.	Check ties, manually weed pit	1.00	N/A	4.32	3.70

## **Guards & Grilles for Tree planting**

Guards and grilles not generally recommended as can be counter productive for tree establishment etc etc....Use only in certain locations etc etc....

E19	Supply cost for standard Steel tree guard	Supply standard black mild steel tree guard 1900mm x 360mm, fixings included				
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			1.00	N/A	142.00	142.00
E20	Supply cost for standard light weight Steel mesh tree guard	Supply standard light weight galvanised mesh steel tree guard. 1800mm x 360mm.	1.00	N/A	25.00	25.00
E21	Supply cost for standard light weight plastic mesh tree guard	Supply standard light weight plastic mesh tree guard. 1200mm x 150mm	1.00	N/A	0.86	0.86
E23	Supply costs for cast iron tree pit grille	Supply standard 1200mm x 1200mm cast iron tree pit grille (Black).	1.00	N/A	475.00	.475.00

## Ground Preparation

	<u>Activity</u>	<u>Specification</u>	<u>Units</u>	<u>EWGS Costs £'s</u>	<u>Inner London Area Costs Plus 20%</u>	<u>Outer London Area Costs Plus 15%</u>
G1	Chemical removal of ground cover	Spot spray 1600-2250 trees per hectare. Per spot	1m <sup>2</sup>	0.065	0.079	0.075.
G2	Scarifying for new planting	Doneran type excavator	hectare	81.00	97.00	93.00
G3	Ripping/ Subsoiling	Passes at 2m centres.	hectare	108.00	130.00	124.00
G4	Mounding	Continuous	1.00	108.00	130.00	124.00.
G5	Drainage	Creating new drains-new				

		planting, or clearing existing drains	metre	1.08	1.30	1.24.
G6	Drainage	Creating new drains at restocking	metre	1.30	1.44	1.56
G7	Drainage	Maintain drains	metre	0.86	0.96	1.03.

## **Public Access Provision**

	<b><u>Activity</u></b>	<b><u>Specification</u></b>	<b><u>Units</u></b>	<b><u>EWGS Cost £'s</u></b>	<b><u>Inner London Area Costs Plus 20%</u></b>	<b><u>Outer London Area Costs Plus 15%.</u></b>
A1	Footpath Construction-all ability	Dry site, cut and fill 1.2m wide, 125mm depth including shallow drain. Materials and labour	metre	22.00	26.00	25.00
A2	Footpath construction-all ability	Heavy use or wet or steep site, dig foundation 2.0m wide metalled to all abilities, standard walls drainage	metre	27.00	32.00	31.00
A3	Access gap	Create ungated access gap with posts at sides and a level threshold surface	each	43.00	52.00	50.00
A4	Kissing gate	All ability use. Constructed and installed to conform with relevant British Standards	each	378.00	454.00	435.00
A5	Kissing gate	Pedestrian use. Constructed and installed to conform with relevant British Standards	each	297.00	357.00	342.00.
A6	Stiles-Supply and installation	Timber stile constructed to conform to the relevant British Standard	each	108.00	130.00	124.00
A7	Dog gate	Access through fence for dogs.	each	43.00	52.00	50.00
A8	Waymarkers	Treated softwood post and paint/disk marking	each	27.00	32.00	31.00
A9	Waymarkers	3"x 3" square sawn hardwood & routed	each	54.00	65.00	62.00
A10	Interpretation Boards	A1 size – Detailed on coloured plastic in hardwood/treated softwood frame. Weather proof.				

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		Durability 10 years	each	1081.00	1300.00	1244.00
A11	Notice boards	Without interpretative signs 600 x 1200 x 45mm. Weather proof. Durability 10 years	each	1081.00	1300.00	1244.00
A12	Leaflets	A4 size-single colour, including design and printing	500	540.00	650.00	622.00
A13	Leaflets	A3 size- single colour, including design and printing	500	757.00	908.00	870.00
A14	Picnic bench with table	Treated softwood bolted construction- all materials and installation. (table 1750 x 740 x 770mm, bench 440mm high, 1750mm long Durability of at least 10 years	each	324.00	389.00	373.00
A15	Bench with back rest	Treated softwood, bolted construction. 440mm high, 1750mm long. All materials and installation.	each	270.00	324.00	311.00.
A16	Benches	Simple design, treated softwood-materials & installation	each	162.00	195.00	186.00
A17	Footbridge	Timber frame with steel beams-non slip surface	metre	540.00	650.00	622.00
A18	Safety Inspection	Inspection includes assessment of facilities e.g.. condition of paths and gates, tree safety inspection and removal of normal litter	Per visit	Agents Day Rate	Plus 20 %	Plus 15%
A19	Litter Picking	With car park or where there are high litter issues	Season	757.00	908.00	870.00
A20	Litter Picking	Without car park	Season	324.00	389.00	373.00
A21	Brushing and pruning	Manual brushing for access areas and visual amenity	hectare	270.00	324.00	310.00
A22	Create Small Car Park	Excavate to 300mm and fill to 150mm with clean hardcore. Surface with minimum 150mm of new hardcore (Type 1) with top layer of whindust. Each parking bay requires 5 x 3m, plus turning space (1.5 x car length)	Per m <sup>2</sup>	16.20	19.50	18.65
A23	Disabled Parking Bays	Tarmac, delineated bays and additional signage.	Per			

			Bay	216.00	260.00	250.00
A24	Amenity Post and Rail Fence	Post and rail fence.	metre	10.80	13.00	12.44

## Labour Rates.

	<u>Activity</u>	<u>Specification</u>	<u>Units</u>	<u>EWGS Costs £'s</u>	<u>Inner London Area Costs Plus 20%</u>	<u>Outer London Area Costs Plus 15%</u>
L1	Forest Craftsman		Per day	141.00	170.00	162.00
L2	Forestry Agent	Professionally qualified	Per Hour	43.00	50.00	50.00
L3	Tree Surgery	Two man team including chipper	Per day	434.00	520.00	500.00
L5	JCB hire & mini excavator	Machine and operator	Per hour	22.00	26.00	25.00
L6	360° Excavator	Machine and operator	hour	32.00	40.00	37.00
L7	Social Costs	Provide consultation, interactive participation, and community training to residents, schools and socially excluded groups.	hour	N/A	19.50	16.60.