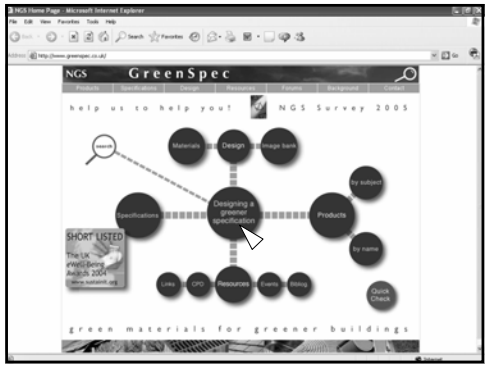

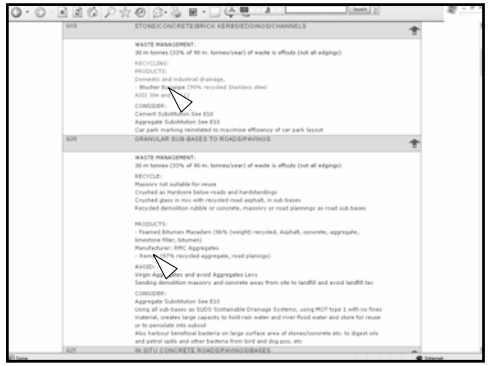

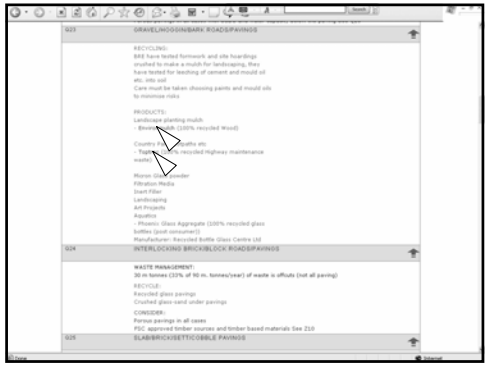

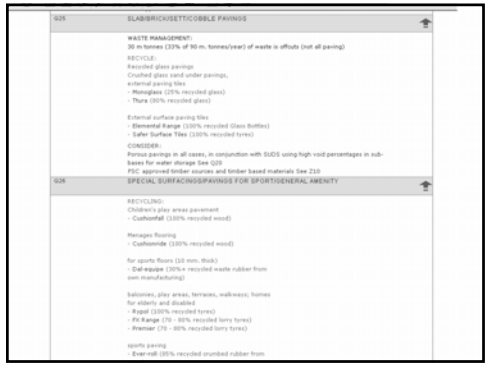

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G26 SPECIAL SURFACINGS/PAVINGS FOR SPORT/GENERAL AMENITY

RECYCLING:
Children's play areas pavement
- **Cushionfall** (100% recycled wood)

Menages flooring
- **Cushionride** (100% recycled wood)

for sports floors (10 mm. thick)
- **Dal-equipe** (30%+ recycled waste rubber from own manufacturing)

balconies, play areas, terraces, walkways; homes for elderly and disabled
- **Rypol** (100% recycled tyres)
- **FX Range** (70 - 80% recycled lorry tyres)
- **Premier** (70 - 80% recycled lorry tyres)

sports paving
- **Ever-roll** (85% recycled crumbed rubber from tyres)

Impact matting for external safety surfacing
- **Droptec** (90 - 95% recycled Closed cell cross-linked polyethylene foam flakes (reclaimed from new car manufacture))

Skate-board ramp surface
- **Everboard** (95% recycled Polyethylene)
- **Stokbord** (100% recycled LDPE)
- **Safety Mattas** (90% (weight and volume) recycled tyre casing + wire cable stripping)
- **Play Mattas** (90% (weight and volume) recycled tyre casing + wire cable stripping)

G27 TIMBER DECKING

RECYCLING:
PRODUCTS:
Landscaping materials: Decking, boardwalks,

tyre casing + wire cable stripping)

G27 TIMBER DECKING

RECYCLING:
PRODUCTS:
Landscaping materials: Decking, boardwalks,
stagings on canals, fishing pegs, balconies, play areas, terraces, walkways, and in homes for elderly and disabled
- Envirowood (94% recycled Polystyrene)
Manufacturer: Octaveward Ltd
- **Fletcher 'Boardwalk'** (98% - 100% recycled Plastic bottles, pipes, sheet scrap materials)
- **Rypol** (100% recycled tyres)

AVOID:
Indonesian Hardwood
Most is illegally logged, destroys forests, communities and habitation

CONSIDER:
OFF SITE PREFABRICATION TO REDUCE WASTE:
Use of prefabricated deck panels
FSC approved timber sources and timber based materials See Z10

G28 TOPSOILING

RECYCLING:
COMPOSTING:
Setting up a composting area throughout the contract duration
Separate grass, leaves, twig, wood,
The period the contract runs is probably sufficient to compost down any surplus from site stripping, 3 months is normal composting time, longer in winter.
Rake grass areas and add leaves to compost area
Cut grass and add to separate compost area,
Tree trimming, shrubs, hedges, etc. to be cleared, could be cut and/or grubbed up and added to composting
Cut and Crush twig and wood, add grass to twig and wood
Damaged turf or scraps can be added to composting area

SUBSOIL:
Excavated soil from foundations, basements, services and drains is a significant percentage of Waste leaving sites
Excavated soil to be used on site,
Spread subsoil over site and cover with topsoil
Excavate and stockpile clay for use as puddled clay waterproofing to basements or ponds
Using subsoil associated with part buried buildings as a thermal store over the summer to release heat to the building in the winter
Add Insulation over the top of the soil and beyond to trap the heat, but don't insulate the walls or the floor of the building to allow it to pass through into soil or into building
Check on ground water flows over 12 month cycle as this can take the heat away
Swimming pools and surround in ground can be used to store heat from summer over to the winter in the same way

AVOID:
Exporting subsoil from site, use on site or make available to Employer for use on site
Exporting topsoil from site, make available to Employer for use on site
Exporting hardcore or paving from re-routed pavements to be grubbed up
Importing subsoil from off site
Importing topsoil from off site
Importing hardcore from off site

G30 SEEDING/TURFING

RECYCLE:
PRODUCTS:
Grass reinforcement system
- **Ecoblock** (90% recycled Polyethylene)
- **Golpla** (100% recycled High Density Polypropylene (HDPP))

WILD TURF:
Before stripping grass and topsoil check wild flower and wild grass content of grass

G30 SEEDING/TURFING

RECYCLE:
PRODUCTS:
Grass reinforcement system
- **Ecoblock** (90% recycled Polyethylene)
- **Golpla** (100% recycled High Density Polypropylene (HDPP))

WILD TURF:
Before stripping grass and topsoil check wild flower and wild grass content of grass
Grass or topsoil as a potentially valuable material especially if containing wild flowers or meadow grasses
Old or neglected site's biodiversity can be maintained, enhanced or put to use on or off site
Grass turf with a mix of wild flowers and grasses may be offered for reuse off-site via an appropriate Website
Post notice on appropriate Website for potential sale of turf
Collect seeds, sort, dry and store
Cut and store turf on topsoil stockpile until ready for use or delivery/collection
Surplus or damaged or inferior turf to be composted

CONSIDER:
Importing wild flower and meadow grass turf from sites being cleared
Store on topsoil stockpile until ready for use or delivery/collection
Strip back topsoil and limit size of stockpile, plant wild flowers to discourage weed uptake

CONSIDER laying turf over topsoil stockpiles
Relay turf on site
Use indigenous species of grass

G31 PLANTING

RECYCLING:
COMPOSTING:

Use indigenous species of grass

G31 PLANTING

RECYCLING:
COMPOSTING:
Setting up a composting area throughout the contract duration
Separate grass, leaves, twig, wood,
The period the contract runs is probably sufficient to compost down any surplus from site stripping, 3 months is normal composting time, longer in winter.
Rake grass areas and add leaves to compost area
Cut grass and add to separate compost area,
Tree trimming, shrubs, hedges, etc. to be cleared, could be cut and/or grubbed up and added to composting
Cut and Crush twig and wood, add grass to twig and wood
Damaged turf or scraps can be added to composting area
Add compost to topsoil, or add compost to subsoil to make topsoil.

CONSIDER:
Alternatives for the roof drainage is to use inverted green roofs which store water on the roof within the soil, reservoir layer and within the plants themselves, taking some of the burden from the drainage systems in surge conditions
Birch and Beech are suitable where young children are present, nothing harmful to eat
Biodiversity:
Use indigenous species plants to support indigenous insects, birds and wild life

G40 FENCING

RECYCLING:
Fencing & gates:
- Envirowood (94% recycled polystyrene)
- Epoch (100% recycled all post use polyolefins eg plastic bags, supermarket packaging)
Manufacturer: Plastic Reclamation Ltd T/A EPP
- Closer to Nature (100% recycled High and low density polyethylene (HDPE and LDPE) and polypropylene (HDPP and LDPP))

Use indigenous species plants to support indigenous insects, birds and wild life

G40 FENCING

RECYCLING:
Fencing & gates:
- Envirowood (94% recycled polystyrene)
- Epoch (100% recycled all post use polyolefins eg plastic bags, supermarket packaging)
Manufacturer: Plastic Reclamation Ltd T/A EPP
- Closer to Nature (100% recycled High and low density polyethylene (HDPE and LDPE) and polypropylene (HDPP and LDPP))
Manufacturer: Plastic Building Materials - PBM Ltd
- **Fence Post Finial** (97% (weight) recycled Polypropylene)
- **Fence post drive tool** (98% recycled Steel)

AVOID:
Indonesian Hardwood
Most is illegally logged, destroys forests, communities and habitation
CCA (Copper Chrome Arsenic) Treated softwood, (Banned in Domestic situations) See Z12
Creosote in all building types, (Banned in Domestic situations)
Preservative treatment of timbers altogether if not essential
Virgin plastics

CONSIDER:
FSC approved timber sources and timber based materials See Z10
Use durable species
Use trees cut down on site
Recycled plastics as timber substitutes
Screening to car parks, service yards, bin stores

Q5 SITE FURNITURE

REUSE:
PRODUCTS:
Street furniture
- Woolock and recycled timber (100% post-consumer use Wood)
Product name: Woolock and recycled timber

RECYCLING:
Fencing

Screening to car parks, service yards, bin stores

Q5 SITE FURNITURE

REUSE:
PRODUCTS:
Street furniture
- Woolock and recycled timber (100% post-consumer use Wood)
Product name: Woolock and recycled timber

RECYCLING:
Fencing
- KLP (70% post use + 30% factory waste LDPE, LLDPE, HDP, MDPE)
Manufacturer: JJ Plastic Ltd

Penning
- KLP (50% post use - 50% factory waste LDPE, LLDPE, HDP, MDPE)
Manufacturer: JJ Plastic Ltd

Walling
- KLP (50% post use - 50% factory waste LDPE, LLDPE, HDP, MDPE)
Manufacturer: JJ Plastic Ltd

Q50 SITE/STREET FURNITURE/EQUIPMENT

RECYCLING:
Fine crushed glass as glass-sand for sandpits
Recycled plastic and rubber bollards in car park

PRODUCTS:
Wood substitute:
- Envirowood (94% recycled polystyrene)
Manufacturer: Octaveward Ltd

Bollards: Securing and preventing access to areas by vehicles
- **Autopa Recycled Plastic Bollards** - EB100 & EB200

Q50 SITE/STREET FURNITURE/EQUIPMENT

RECYCLING:
Fine crushed glass as glass-sand for sandpits
Recycled plastic and rubber bollards in car park

PRODUCTS:
Wood substitute:
- Envirowood (94% recycled polystyrene)
Manufacturer: Octaveward Ltd

Bollards: Securing and preventing access to areas by vehicles
- **Autopa Recycled Plastic Bollards** - EB100 & EB200
(100% recycled mixed polyethylene (post-consumer))
- **Deceuninck 'Parking Bollards'** (100% High and low density polyethylene and polypropylene)
- **Plaswood 'Bollards'** (90% polythene and polypropylene)
- **Evershed Bollards** (85% high impact polystyrene)

Street and highways furniture
- Closer to Nature (100% recycled High and low density polyethylene (HDPE and LDPE) and polypropylene (HDPP and LDPP))
Manufacturer: Plastic Building Materials - PBM Ltd

Outdoor furniture
Manufacturers: Deceuninck, bpi.recycled products, Evershed,
Intruplas Recycled Plastic & Fletchers

Furniture for informal external eating and seating
- **Re-Form Furniture** (90% recycled Smile HDP plastic & reused timber)

AVOID:
Indonesian Hardwood
Most is illegally logged, destroys forests, communities and habitation
PVC See Z50

polypropylene (HDPP and LDPP))
Manufacturer: Plastic Building Materials - PBM Ltd

Outdoor furniture
Manufacturers: Deceuninck, bpi.recycled products, Evershed,
Intruplas Recycled Plastic & Fletchers

Furniture for informal external eating and seating
- **Re-Form Furniture** (90% recycled Smile HDP plastic & reused timber)

AVOID:
Indonesian Hardwood
Most is illegally logged, destroys forests, communities and habitation
PVC See Z50
Virgin plastics, See Z50
Avoid smokers shelters near the edge of buildings with methane gas venting from site backfill, venting to their perimeters

CONSIDER:
Make provision for cyclists, secure and covered bike storage
Timber street furniture, use trees cleared from site
External Picnic areas:
Numerous bins or multi compartments to segregate waste before going into Municipal waste collection systems
Multi-storey housing/flats without chutes or without communal bin stores
External recycling centre
Composting, Soil improvement
Community Organic Recycling: compost for allotments
Vertical home grown food
Provide Bin hard standing and enclosure adjacent to building or at kerbside if remote
Durable materials in preference to paints requiring maintenance:
Austenitic stainless steel See Z113
Galvanized steel See Z111
Aluminium See Z112
Anodized aluminium See Z33

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