This drawing is to be read in conjunction with the LDA Design's Landscape Specification (see document: 5782_SW_Spec).

Indicative Leachate and methane extraction pipework is shown on this drawings, and is to be read in conjunction with Veolia's plan: 'Monitoring & Extraction Point Plan' (Doc Ref. 33019/PPC/002).

Any discrepancies between drawings, specification or other information is to be raised with the Contract Administrator prior to the commencement of work.

Where repair of damaged existing sward is required, areas shall be seeded with Species Rich Grassland mix as specified on drawing 5782_002. This is unlikely to be required to the whole area indicated on the plan, but to areas where the sward has been damaged during installation of the solar farm.

detail 01 for further information

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Landscape Specification

Ling Hall Solar Farm
May 2017
Landscape Specification
Landscape Specification

5782

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NOTE: This Document should be read in conjunction with the following drawings:

1) 5782_001 Soft Landscape Plan Southern Extent; and
2) 5782_002 Soft Landscape Plan Northern Extent

Version: 1.3
Version date: 31 May 2017
Comment: Final

This document has been prepared and checked in accordance with ISO 9001:2008.
Landscape Specification

D Groundworks
Landscape Specification

D20 Excavating and Filling

GENERAL INFORMATION/ REQUIREMENTS

EXISTING SERVICES, FEATURES AND STRUCTURES

- Services and underground constraints: Full information to be provided by REG Ling Hall Solar Ltd.
- General:
  - This will be an active solar farm and former landfill site, and there are underground services and constraints that the Contractor must ensure that they have full information on before commencing work.
  - A capping membrane has been installed as part of the landfill construction at a depth to be advised by REG Ling Hall Solar Ltd. The integrity of this capping membrane is not to be compromised during implementation of the works.
  - Leachate pipework and methane extraction pipework has been installed as part of the landfill construction in the locations that are detailed indicatively on the following plans:
    1) ‘Monitoring & Extraction Point Plan’ (Doc Ref. 33019/PPC/002)
    2) Soft Landscape Plan Southern Extent (Doc Ref. 5782_001) and Soft Landscape Plan Northern Extent (Doc Ref. 5782_002)

  - The integrity of this pipework and its supporting structure is not to be compromised
  - All existing site features and structures are to be retained and protected from damage unless specified for removal.

CLEARANCE/ EXCAVATING

- General:
  - No destruction or removal of existing vegetation on site is to be undertaken during bird breeding season (March – August inclusive) unless approved in writing by Contract Administrator.

SITE CLEARANCE

- Location: Northern and Southern areas.
- Timing: Before commencing works to planting and seeding areas. Not less than two weeks before planting works.
  - General: Clear site of rubbish and debris. Do not compact topsoil.
  - Treatment: Apply a suitable non-residual herbicide to areas to receive planting to kill herbaceous plants 1m diameter circle from each plant location in Native Planting Mix.
Landscape Specification

225 HANDLING TOPSOIL

- Standard: To BS 3882.
- Aggressive weeds:
  - Species: Included in the Weeds Act, section 2 or the appropriate Wildlife and Countryside Act for the relevant jurisdiction.
  - Give notice: Obtain instructions before moving topsoil.
- Earthmoving equipment: Select and use to minimize disturbance, trafficking and compaction.
- Contamination: Do not mix topsoil with:
  - Subsoil, stone, hardcore, rubbish or material from demolition work.
  - Other soil or material containing aggressive weeds, sharps, plastics and non-soil forming materials and notifiable animal or plant diseases.
  - Oil, fuel, cement or other substances harmful to plant growth.
  - Other classifications of topsoil.
  - Multiple handling: Keep to a minimum. Use topsoil immediately after stripping.
  - Wet conditions: Handle topsoil in the driest condition possible. Do not handle during or after heavy rainfall or when it is wetter than the plastic limit.

310 UNSTABLE GROUND

- Generally: Ensure that the excavation remains stable at all times.
- Give notice: Without delay if any newly excavated faces are too unstable to allow earthwork support to be inserted.
- Take action: If instability is likely to affect adjacent structures or roadways, take appropriate emergency action.

330 UNRECORDED FEATURES

- Give notice to Contract Administrator and Site Manager: If unrecorded foundations, beds, voids, basements, filling, tanks, pipes, cables, drains, manholes, watercourses, ditches, etc. not shown on the drawings are encountered.
Landscape Specification

Q  Paving/Planting/Fencing/Site furniture
**Landscape Specification**

**Q28 Topsoil and soil ameliorants**

**PRODUCTS**

300 PREPARATION MATERIALS GENERALLY

- **Purity:** Free of pests and disease.
- **Foreign matter:** On visual inspection, free of fragments and roots of aggressive weeds, sticks, straw, subsoil, pieces of brick, concrete, glass, wire, large lumps of clay or vegetation, and the like.
- **Contamination:** Do not use topsoil contaminated with subsoil, rubbish or other materials that are:
  - Corrosive, explosive or flammable.
  - Hazardous to human or animal life.
  - Detrimental to healthy plant growth.
- **Subsoil:** In areas to receive topsoil or planting media, do not use subsoil contaminated with the above materials.
- **Objectionable odour:** None.
- **Give notice:** If any evidence or symptoms of soil contamination are discovered on the site or in topsoil or planting media to be imported.

300A SOIL ANALYSIS

- **Soil to be analysed:** Soil in areas to be planted.
- **Approved analyst** to undertake a site visit, dig trial pits to assess the soil profile, take and test soil samples, and provide recommendations for soil amelioration that they advise is necessary to help successful establishment and growth of proposed plants.
- **Soil analyst:** Submit proposals for the soil analysis to be used.
- **Samples:** Collect in accordance with BS 3882.
- **Submit:** Declaration of analysis
  - Particle size analysis (sand, silt, clay)
  - Stone content and size
  - pH value
  - Electrical conductivity values (water and CaSO₄ extracts)
  - Exchangeable sodium percentage
  - Major plant nutrients (N, P, K, Mg)
  - Organic matter content
**Landscape Specification**

- C.N ratio
- Submit: Report detailing soil analyst’s recommendations.

**300b  SOIL AMELIORATION TO PLANTING AREAS**

- Soil to be ameliorated prior to, or at the same time as, planting in accordance with the recommendations of the soil analyst. This may include potential breaking up compacted topsoil, cultivation, soil additives or other recommendations.

**705  HANDLING TOPSOIL AND SUBSOIL**

- Aggressive weeds: Give notice and obtain instructions before moving topsoil and subsoil.
- Plant: Select and use plant to minimize disturbance, trafficking and compaction.
- Contamination: Do not mix topsoil or subsoil together or with:
  - Stone, hardcore, rubbish or material from demolition work.
  - Other grades of topsoil or subsoil.
- Multiple handling: Keep to a minimum. Use or stockpile topsoil and subsoil immediately after stripping.
- Wet conditions: Handle topsoil and subsoil in the driest condition possible. Do not handle during or after heavy rainfall or when it is wetter than the plastic limit less 3%, to BS 1377-2.
Landscape Specification

Q30 Seeding

GENERAL INFORMATION/REQUIREMENTS
- As identified on drawings 5782_001 and 5782_002, areas are to be seeded with the species rich grassland.

115 SEEDED AREAS
- Growth and development: Healthy, vigorous grass sward, free from the visible effects of pests, weeds and disease.
- Appearance: A closely knit, continuous ground cover of even density, height and colour.

120A CLIMATIC CONDITIONS
- Location: All areas
- General: Carry out the work while soil and weather conditions are suitable.

145 WATERING
- Location: All areas.
- Quantity: Wet to a depth of 100mm.
- Application: Even and without displacing seed, seedlings or soil.
- Frequency: As necessary to ensure the establishment and continued thriving of all seeding.
**Landscape Specification**

**PREPARATION**

**SEEDING**
- Location: Areas to be seeded with species rich grassland as shown on drawings 5782_001 and 5782_002.

160 **NOTICE**
- Give notice before:
  - Setting out.
  - Applying herbicide.
  - Preparing seed bed.
  - Seeding.
  - Visiting site during maintenance period.
- Period of notice: 3 working days.

250A **CULTIVATION FOR SPECIES RICH GRASSLAND SEEDING**
- General: Do not cultivate in areas where Contract Administrator instructs not to due to, for example, proximity to vulnerable equipment.
- Location: In areas to be seeded, as shown on drawings 5782_001 and 5782_002.
- Compacted soil: Break up to a depth of 100mm.
- Tilth: Loosen, aerate and break up soil to a tilth suitable for seed bed.
- Depth: 100 mm.
- Timing: Within a few days before seeding.
- Weather and ground conditions: Suitably dry.
- Seed bed: Reduce to fine, firm tilth with good crumb structure. Leave regular and even.
- Particle size (maximum): 2-8 mm.
- Undesirable material brought to the surface:
  - Remove visible weeds.
  - Remove roots and large stones with any dimension exceeding 50mm.
- Soil within root spread of trees and shrubs to be retained: Do not dig or cultivate.
Landscape Specification

312A SEED MIXTURE

- General: Species rich grassland mixture subject to modification following the results of the soil analysis results (see Q28/300A).
- Location: Areas to be seeded with species rich grassland, shown on drawings 5782_001 and 5782_002.
- Supplier: Emorsgate Seeds, Limes Farm, Tilney All Saints, King’s Lynn, Norfolk, PE34 4RT. Tel: (01553) 829028 or similar and approved by the Contract Administrator and agreed with the LPA.
- Origin (as defined in the National Plant Specification): Native UK.
- Application rate: 4 g/m³

320 QUALITY OF SEED FOR SPECIES RICH GRASSLAND

- Freshness: Produced for the current growing season.
- Certification: Blue label certified varieties.
- Standard: EC purity and germination regulations and Department for Environment, Food and Rural Affairs Higher Voluntary Standard.
- Official Seed Testing Station certificate of germination, purity and composition: Submit when requested.
- Samples of mixtures: Submit when requested.

330 SOWING

- General: Establish good seed contact with the root zone.
- Method: To be surfaced sown. Manually broadcast, raked and rolled – most suitable method to be determined by the Contractor.
- Distribution: Divide the seed into two or more parts and sow in overlapping sections. Do not incorporate or cover the seed, but firm in with a roll, or by treading to give good soil/seed contact.

336 SPECIES RICH GRASSLAND SOWING SEASON

Seed generally: August to September, or March to April.
Landscape Specification

PROTECTING/CUTTING

540 FIRST CUT OF: SPECIES RICH GRASSLAND

• Location: Areas to be seeded with species rich grassland as shown on drawings 5780_001 and 5782_002.
• Height of initial growth: 100 mm.
• Preparation:
  – Debris and litter: Remove
  – Remove any stones and earth clods larger than 20 mm in any dimension
  – Weeds: To be managed by topping or mowing
• Height of first cut: 45mm.
• Mower type: Take a ‘hay’ cut using a scythe, petrol strimmer or tractor mower to cut to 45mm.
• Arisings: Remove from site.

590 CLEANLINESS

• Soil and arisings: Remove from hard surfaces.
• General: Leave the works in a clean, tidy condition at Completion and after any maintenance operations.

MAINTENANCE

610 FAILURES OF SEEDING

• Duration: Carry out the following operations from completion of seeding until practical completion.
• Location: Areas to be seeded with species rich grassland.
• Defective materials or workmanship: Areas that have failed to thrive.
• Exclusions: Theft or malicious damage.
• Method of making good: Recultivation and reseeding.
• Timing of making good: The next suitable sowing season.
660A MAINTAINING GRASSED AREAS

- Location: Areas seeded with species rich grassland as shown on drawings 5780_001 and 5782_002.
- Duration: Carry out the following operations from completion of seeding until practical completion.
- Preparation: Before each cut remove all litter and debris.
- Timing of first cut: See Q30/540.
- Height of first cut: See Q30/540.
- Subsequent cutting: As necessary, so the height of growth does not exceed 150 mm.
- Height of cut: 100 mm
- Trimming: All edges.
- Arisings: Remove from site.
- Watering: Contractor’s choice.
Landscape Specification

Q31 External planting

GENERAL INFORMATION/ REQUIREMENTS

112A SITE CLEARANCE GENERALLY

- General: Remove rubbish, concrete, metal, glass, decayed vegetation and contaminated topsoil.
- Stones: Remove those with any dimension exceeding 30 mm.
- Contamination: Remove material containing toxins, pathogens or other extraneous substances harmful to plant, animal or human life.
- Vegetation: Remove existing grass and vegetation in areas where planting is to be located to approval of Contract Administrator; outside of the bird breeding season (March – August inclusive); in accordance with the ‘Method Statements’ detailed in the Construction Environment Management Plan.

118 SOIL CONDITIONS

- Soil for cultivating and planting: Moist, friable and (except in aquatic/ marginal planting) not waterlogged.
- Frozen or snow covered soil: Give notice before planting. Provide additional root protection. Prevent planting pit sides and bases and backfill materials from freezing.

120 CLIMATIC CONDITIONS

- General: Carry out the work while soil and weather conditions are suitable.
- Strong winds: Do not plant.

125A TIMES OF YEAR FOR PLANTING

- Deciduous trees and shrubs: Late October to late March.

145 WATERING

- Location: Areas of proposed planting as shown on drawing 5782_002.
- Quantity: As necessary, wet full depth of topsoil and to a depth of 100mm of subsoil.
- Application: Even and without damaging or displacing plants or soil.
- Frequency: As necessary to ensure establishment and continued thriving of planting.
**Landscape Specification**

150 **WATER RESTRICTIONS**

- General: If water supply is or is likely to be restricted by emergency legislation, do not carry out planting until instructed. If planting has been carried out, obtain instructions on watering.

160 **NOTICE**

- Give notice before:
  - Setting out.
  - Applying herbicide.
  - Applying fertilizer.
  - Delivery of plants/trees.
  - Planting.
  - Watering.
  - Visiting site during maintenance period.
- Period of notice: Three working days.

200 **PLANTS - GENERAL**

- Condition: Materially undamaged, sturdy, healthy and vigorous.
- Appearance: Of good shape and without elongated shoots.
- Hardiness: Grown in a suitable environment and hardened off.
- Health: Free from pests, diseases, discoloration, weeds and physiological disorders.
- Budded or grafted plants: Bottom worked.
- Root system and condition: Balanced with branch system.
- Species: True to name.
- Origin/Provenance: UK provenance.
- Definition: Origin and Provenance have the meaning given in the National Plant Specification.

215A **PLANTS/ TREES - SPECIFICATION CRITERIA**

- Name, forms, dimensions, provenance and other criteria: As schedule shown on drawing 5782_002 and defined in the National Plant Specification.
Landscape Specification

245  LABELLING AND INFORMATION

• General: Provide each plant/ tree or group of plants/ trees of a single species or cultivar with supplier’s labelling for delivery to site, showing:
  – Full botanical name.
  – Total number.
  – Number of bundles.
  – Part bundles.
  – Supplier’s name.
  – Employer’s name and project reference.
  – Plant specification, in accordance with scheduled National Plant Specification categories.

• Additional information: Submit on request: Date supplied and consignment details or reference.

265  PLANT HANDLING, STORAGE TRANSPORT AND PLANTING

• Standard: To Committee for Plant Supply and Establishment (CPSE) ‘Handling and establishing landscape plants’ (2002).

• Frost: Protect plants from frost.

• Handling: Handle plants with care. Protect from mechanical damage and do not subject to shock, e.g. by dropping from a vehicle.

• Plant packaging: Coextruded polyethylene bags with black interior and white exterior.

• Packaging of bulk quantities: Pallets or bins sealed with polyethylene and shrink wrapped.

• Planting: Upright or well balanced with best side to front.

290  SURPLUS MATERIAL

• Subsoil, stones, debris, wrapping material, canes, ties, temporary labelling, rubbish, pruning and other arisings: Remove from site.
Landscape Specification

PLANTING SHRUBS

400A PLANT LAYOUT TO NATIVE PLANTING MIX 3
- Location: Areas shown on drawing 5782_002 as Native Planting Mix 3
- Objective: to create a naturalistic edge to the planting, grading out from the denser and continuous planting nearer the solar farm (Native Planting Mixes 1 and 2), to a more dispersed and irregular edge in Native Planting Mix 3, to grassland.
- General: Refer to Detail 01 on drawing 5782_002 for further information regarding an example layout.
- Density: Native Planting Mix 3 to be planted in clumps between a minimum of 25 sq. metres and a maximum of 150 sq. m,
- Spacing: Distributed across the areas specified, grading from greatest density of clumps, and larger clumps, closer to Native Planting Mix 2, to lower density and wider spaced clumps away from Mix 2. A distance of 5m - 15m should be maintained between clumps.

401A PLANT LAYOUT TO PLANTING MIXES 1 AND 2
- Location: Areas shown on drawing 5782_002 as Native Planting Mixes 1 and 2
- Spacing: At regular spacing.
  - Native Planting Mix 1 to be planted at 1m Ctr
  - Native Planting Mix 2 to be planted 2m Ctr
- Density: As plant schedule. Species to be planted in groups of 10 where possible - minimum groups of 5.

405A PLANTING PITS: FEATHERED TREES
- Timing: Excavate 1-2 days (maximum) before planting.
- Sizes: Wide enough to accommodate roots when fully spread and 75 mm deeper than root system, in accordance with site constraints (see D20/ Q150).
- Pit bottom improvement: Break up to a depth of 150 mm, incorporating appropriate additives in accordance with the recommendations of a soil analyst.

459A PLANTING TRANSPLANT TREES AND SHRUBS
- Transplants shall be notch planted, unless pit planting with amelioration is recommended by the soil analyst.
- Depth: To accommodate full depth of roots.
Landscape Specification

- Planting: Insert plant at specified depth, close notch and firm surrounding soil to ensure good root hold into substrate.
- Pit plant trees and shrubs in accordance with Q31/405A if this is recommended by soil analyst.

480A AFTER PLANTING:
- Watering: If necessary, immediately after planting, thoroughly and without damaging or displacing plants or soil, to ensure survival of plants.
- Firming: Lightly firm soil around plants and fork or rake soil, without damaging roots, to a fine tilth with gentle cambers and no hollows.

535 STAKING GENERALLY
- General: In accordance with site constraints, set out in D20/150
- Stakes: Softwood, peeled chestnut, larch or oak, straight, free from projections and large or edge knots and with pointed lower end.
  - Preservative treatment: Not required
- Nails: To BS 1202-1, galvanized, minimum 25 mm long and with 10 mm diameter heads. Stake size (minimum): 50mm

555A SHORT SINGLE STAKING FOR: FEATHERED TREES
- General: In accordance with site constraints, set out in D20/150
- Staking: Position stake close to tree on windward side and drive at a 30-degree angle at least 300 mm into bottom of pit before planting.
  - Backfilling: Consolidate material around stake
- Height of stakes: Cut to approximately 600 mm above ground level.
- Ties: Adjustable ties.
- Tying: Secure tree firmly but not rigidly to stake with one tie within 25 mm of top of stake.

595A PLANT PROTECTION PROTECTIVE GUARDS AS SPECIFIED IN CLAUSES Q31/730A and 730B
- General: Ensure that protection methods do not impede natural movement of plants or restrict growth.
**Landscape Specification**

**PROTECTING/ MAINTAINING/ MAKING GOOD DEFECTS**

**710 MAINTENANCE**
- Duration: Carry out the operations in the following clauses until the end of the rectification period.
- Frequency of maintenance visits: On regular basis at no less than 3 month intervals and at any time where maintenance and inspection of the works, and rectification of defects during the rectification period, are required.
- Location: All areas.
- Inclusion: All existing and proposed planting on site.

**720 FAILURES OF PLANTING**
- Defects due to materials or workmanship not in accordance with the Contract: Plants/trees/shrubs that have failed to thrive.
- Exclusions: Theft or malicious damage after completion; or existing vegetation not affected by the construction works.
- Rectification: Replace with equivalent plants/trees/shrubs.
- Replacements: To match size of adjacent or nearby plants of same species or match original specification, whichever is the greater.
- Timing of making good: In accordance with an agreed defects rectification programme.

**730A PROTECTIVE GUARD FOR TRANSPLANT TREES AND SHRUBS**
- Guard type: Shelter for all transplants.
  - Height: 600mm
  - Diameter: 130mm to 160mm
  - Colour: Green
- Product reference: Tubex Shrub shelter or similar and approved
- Supplier: Acorn Planting Products, Fiberweb Geosynthetics Ltd, Blackwater Trading Estate, The Causeway, Maldon CM9 4GG, Tel: 01621 874201, or similar and approved by the Contract Administrator.
- Erection: On completion of the planting of each planting area to ensure protection against rabbits.
- Removal: After the planting is suitably established in agreement with the Contract Administrator.
Landscape Specification

730A  PROTECTIVE GUARD FOR FEATHERED TREES

- Guard type: Spiral guards for feathered trees
  - Height: 600mm
  - Diameter: 38mm
  - Colour: Transparent or with slight green tint
- Erection: On completion of the planting of each planting area to ensure protection against rabbits.
- Removal: After the planting is suitably established in agreement with the Contract Administrator.

740  CLEANLINESS

- Soil and arisings: Remove from hard surfaces and grassed areas.
- General: Leave the works in a clean tidy condition at completion and after any maintenance operations.

750A  PLANTING MAINTENANCE GENERALLY

Weed control: Maintain 1m diameter circle from individual plants in Native Planting Mix.
  - Keep these areas clear of weeds at all times.
- Precautions: Ensure that trees and shrubs are not damaged by herbicides, or use of mowers, nylon filament rotary cutters and similar powered tools.
- Staking: Check condition of stakes, ties, guys and guards.
  - Broken or missing items: Replace.
  - Rubbing: Prevent.
  - Ties: Adjust to accommodate growth.
  - Damage to bark: Cut back neatly with sharp knife. Prevent further damage.
  - Frequency of checks: On a regular basis at no less than 3 month intervals and at any time when issues arise.
- Firming up: Gently firm loosened soil around trees/shrubs. Straighten leaning trees/shrubs.
- Watering: As appropriate according to local site conditions to maintain health of planting.
Landscape Specification

Q35 Landscape maintenance

GENERAL INFORMATION

105A MAINTENANCE OBJECTIVES

- Duration: Five years, from practical completion until the end of the rectification period.
- Aims: To ensure successful establishment and growth of planting and seeding.
- Inclusions: New vegetation
- Attendance: Throughout the contract period, undertake all maintenance operations specified and included in the measured works. Attend the site at an interval of no less than three months whether or not any maintenance operations are to be carried out. Report any incidents of damage or diseases to hard and soft landscape works immediately to the Contract Administrator.
- Maintenance Reports: Complete and submit to the Contract Administrator a six-monthly maintenance report - to include the details of all works completed plus any request for the instruction of any additional or provisional works.
- All areas to be kept free of pernicious weeds.

110 NOTICE

- Give notice before:
  - Application of herbicide.
  - Application of fertilizer.
  - Watering.
  - Grass cutting.
  - Each site maintenance visit.
- Period of notice: 3 days.

130 REINSTATEMENT

- Damage or disturbance to soil structure, planting, grass, fencing, hard landscaping, structures or buildings: Reinstate to original condition.

140 CONTROL OF MAMMALIAN PESTS

- Specialist firms: Submit proposals to the Contract Administrator.
- Method: Submit proposals to the Contract Administrator.
Landscape Specification

175 DISPOSAL OF ARISINGS
• General: Unless specified otherwise, dispose of arisings as follows: Remove offsite.

190 LITTER
• Extraneous rubbish not arising from the contract work: Collect and remove from site.

197 CLEANLINESS
• Soil and arisings: Remove from hard surfaces.
• General: Leave the works in a clean, tidy condition at completion and after any maintenance operations.

225 TREE AND SHRUB STEMS
• Precautions: Do not use mowing machinery closer than 100 mm to tree and shrub stems. Use nylon filament rotary cutters and other hand held mechanical tools carefully to avoid damage to bark.

275 CUTTING SPECIES RICH GRASSLAND
• Location: Areas seeded with species rich grassland.
• Preparation:
  – Debris and litter: Remove.
  – Stones and earth clods larger than 20 mm in any dimension: Remove
• Frequency / times of year of cutting in first growing season:
  – Once in each of March, early May, September, and October.
• Cutting:
  – Height of cut: 45 mm.
  – Mower type: Take a ‘hay’ cut using a scythe, petrol strimmer or tractor mower to cut 45 mm.
  – Arisings: Remove.
• Frequency / times of year of subsequent growing seasons (years 2–5):
  – Once between March and April, and then once between September and October.
• Additional cutting: May occur if sward reaches a height that is detrimental to the efficiency of the solar farm.
  – Height of cut: 45 mm.
Landscape Specification

- Mower type: Take a 'hay' cut using a scythe, petrol strimmer or tractor mower to cut 45mm.
- Arisings: Leave for 1-7 days after cutting and then remove

SHRUBS/TREES

500A ESTABLISHMENT OF NEW PLANTING:
- Location: Areas of proposed tree and shrub planting as shown drawing 5782_002.
- Duration: Five years following practical completion.
- Weed control:
  - Area: Maintain a weed free area around each plant, minimum diameter 1 m.
  - Watering: As appropriate according to site conditions to ensure long term health of all soft landscape works.

520 REFIRMING OF TREES AND SHRUBS
- Timing: After strong winds, frost heave and other disturbances.
- Refirming: Tread around the base until firmly bedded.
- Collars in soil at base of tree stems, created by tree movement: Break up by fork, avoiding damage to roots. Backfill with topsoil and refirm.

525A PLANT GUARDS / SHELTERS
- Loose or defective guards: Adjust, refix or replace to original specification and to prevent chafing and damage by rabbits.

540 PRUNING GENERALLY:
- Timing: As required to ensure healthy growth.
- Pruning: In accordance with good horticultural and arboricultural practice.
- Removing branches: Do not damage or tear the stem or bark.
- Wounds: Keep as small as possible and cut cleanly back to sound wood.
- Cutting: Make cuts above and sloping away from an outward facing healthy bud, angled so that water will not collect on cut area.
- Larger branches: Prune neither flush nor leaving a stub, but using the branch bark ridge or branch collar as a pruning guide.
- Appearance: Thin, trim and shape each specimen appropriately to species, location, season, and stage of growth, leaving a well balanced natural appearance.
Landscape Specification

- Tools: Use clean sharp secateurs, hand saws or other approved tools. Trim off ragged edges of bark or wood with a sharp knife.
- Disease or infection: Give notice if detected.
- Growth retardants, fungicide or pruning sealant: Do not use unless instructed.

635A  REINSTATEMENT OF PLANTING AREAS

- Dead and damaged plants: Remove.
  - Do not disturb roots of adjacent plants.
- Replacement plants:
  - Use pits and plants: To original specification or to match the size of adjacent or nearby plants of the same species, whichever is the greater.

655  WEED CUTTING BY HAND OR MACHINE

- Undesirable grass, brambles and herbaceous growth: Cut down cleanly to a maximum height of 25 mm.
- Herbicides: Give notice before use.