

Áit Urbanism + Landscape Ltd

Fingal County Council Housing Department

Woodside, Swords

Hard & Soft Landscaping

03-02-2026

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Q10

Kerbs/ edgings/ channels/ paving accessories

Types of kerbs/edgings and channels

110 KF Fusion Edge Kerb

1. Standard: To BS EN 1340.
2. Manufacturer: [Tobermore](#) or equivalent
 - 2.1. Contact details
 - 2.1.1. Address: 2 Lisnamuck Road
Tobermore
Co L'derry
BT45 5QF
 - 2.1.2. Telephone: +44 (0)844 800 5736
 - 2.1.3. Web: <https://www.tobermore.co.uk/professional/>
 - 2.1.4. Email: b.developmentteam@tobermore.co.uk
 - 2.2. Product reference: [Fusion Kerb | Concrete Kerb](#)
3. Standard: To BS EN 1340.
4. Physical properties
 - 4.1. Colour: Silver.
 - 4.2. Finish: Granite aggregate.
 - 4.3. Dimensions:
 - 4.4. Radial units
 - 4.4.1. Radius:
 - 4.5. Weathering resistance: $\leq 1.0 \text{ kg/m}^2$.
 - 4.6. Abrasion resistance: $\leq 23 \text{ mm}$.
 - 4.7. Bending strength: $>3.5 \text{ MPa}$.
 - 4.8. Unpolished Slip Resistance Value (USRV) (minimum): Extremely Low
 - 4.9. Recycled content (minimum): Not less than 5%.
5. BREEAM rating: In accordance with the Green Guide to Specification.
6. Accessories:
7. Bedding: Cement mortar

Roads/paving accessories/ marking/ demarcation - Not Used

Laying

510 Laying kerbs, edgings and channels

1. Cutting: Neat, accurate and without spalling. Form neat junctions.
2. Bedding of units: Positioned true to line and levelled along top and front faces, in a mortar bed on accurately cast foundations or on a race of fresh concrete.
3. Securing of units: After bedding has set, secured with a continuous haunching of concrete or on a race of fresh concrete with backing concrete cast monolithically.

520 Adverse weather

1. **Conditions:** Do not construct if the temperature is below 3°C on a falling thermometer or 1°C on a rising thermometer. Adequately protect foundations, bedding and haunching against frost and rapid drying by sun and wind.

580 Drainage channel systems

1. **Installation:** To an even gradient, without ponding or backfall. Commence laying from outlets.
2. **Silt and debris:** Removed from entire system immediately before handover.
3. **Washing and detritus:** Safely disposed without discharging into sewers or watercourses.

610 Angle kerbs

1. **Usage:** Internal and external 90° changes of direction.
2. **Cutting of mitres:** Not permitted.

620 Accuracy

1. **Deviations (maximum)**
 - 1.1. **Level:** ± 6 mm.
 - 1.2. **Horizontal and vertical alignment:** 3 mm in 3 m.

625 Regularity of paved surfaces

1. **Maximum undulation of (non-tactile) paving surface:** 3 mm.
 - 1.1. **Method of measurement:** Under a 1 m straight edge placed anywhere on the surface (where appropriate in relation to the geometry of the surface).
2. **Difference in level between adjacent units (maximum)**
 - 2.1. **Joints flush with the surface:** Twice the joint width (with 5 mm max difference in level).
 - 2.2. **Recessed, filled joints:** 2 mm.
 - 2.2.1. **Recess depth (maximum):** 5 mm.
 - 2.3. **Unfilled joints:** 2 mm.
3. **Sudden irregularities:** Not permitted.

Ω End of Section

Q23

Gravel/ hoggin/ woodchip/ resin bound roads/ pavings/ overlays

Types of surfacing

160 P11 Gravel Trim

1. Description: Gravel trim boarder between building elevations and planted areas.
2. Manufacturer: Kilsaran or equivalent
 - 2.1. Product reference: Donegal Quartz or equivalent
3. Subgrade improvement layer:
 - 3.1. Compacted thickness: 300 mm
4. Geotextile:
5. Granular sub-base:
 - 5.1. Compacted thickness:
6. Blinding to sub-base:
7. Gravel: Loose laid and raked to uniform thickness.
 - 7.1. Type: Driveway Pebble
 - 7.2. Source: Kilsaran or equivalent
 - 7.3. Colour: mid-grey
 - 7.4. Size: 10mm - 12mm
 - 7.5. Thickness:

Laying

340 Laying generally

1. Channels, gullies, etc: Keep clear.
2. Finished surfaces
 - 2.1. Lines and levels: To prevent ponding.
 - 2.2. Overall texture: Even.
 - 2.3. State at completion: Clean.

350 Cold weather working

1. Frozen materials: Do not use.
2. Freezing conditions: Do not lay pavings.
3. Cold bituminous surface dressings: Do not apply when ambient temperature is below 10°C.
4. Other dressings or overlays: As manufacturers' recommendations.

Completion - Not Used

Ω End of Section

Q24

Interlocking brick/ block roads/ pavings

Types of paving

140 P3 Permeable Paving to Parking Bays

1. Manufacturer: [Tobermore](#) or equivalent
 - 1.1. Contact details
 - 1.1.1. Address: 2 Lisnamuck Road
Tobermore
Co L'derry
BT45 5QF
 - 1.1.2. Telephone: [+44 \(0\)844 800 5736](tel:+44(0)8448005736)
 - 1.1.3. Web: <https://www.tobermore.co.uk/professional/>
 - 1.1.4. Email: NBSdataplatfom@tobermore.co.uk
 - 1.2. Product reference: [Hydropave Fusion | Permeable Block Paving](#) or equivalent
2. Standard: To BS EN 1338.
3. Physical properties
 - 3.1. Colour: Graphite.
 - 3.2. Finish: Textured, granite aggregate.
 - 3.3. Dimensions and associated tolerances
 - 3.3.1. Nominal sizes: 200 x 100 x 80 mm.
 - 3.3.2. Tolerances on diagonals: 80 mm.
 - 3.4. Weathering resistance: Class 3.
 - 3.5. Abrasion resistance: Class 3.
 - 3.6. Slip resistance: (USRV) >45.
 - 3.7. Skid resistance: 8%.
 - 3.8. Recycled content (minimum): Not less than 6%.
4. Granite Content In Surface Layer: ≥53% (silver, graphite and mid grey; ≥45% (sandstone) of granite aggregate in surface layer.
5. Permeability: 15 000 L/s/ha.

140 P4 Permeable Paving to Path

1. Manufacturer: [Tobermore](#) or equivalent
 - 1.1. Contact details
 - 1.1.1. Address: 2 Lisnamuck Road
Tobermore
Co L'derry
BT45 5QF
 - 1.1.2. Telephone: [+44 \(0\)844 800 5736](tel:+44(0)8448005736)
 - 1.1.3. Web: <https://www.tobermore.co.uk/professional/>
 - 1.1.4. Email: NBSdataplatfom@tobermore.co.uk
 - 1.2. Product reference: [Hydropave Fusion | Permeable Block Paving](#) or equivalent
2. Standard: To BS EN 1338.
3. Physical properties
 - 3.1. Colour: Graphite and oat

- 3.2. Finish: Textured, granite aggregate.
- 3.3. Dimensions and associated tolerances
 - 3.3.1. Nominal sizes: 200 x 100 x 80 mm.
 - 3.3.2. Tolerances on diagonals: 80 mm.
- 3.4. Weathering resistance: Class 3.
- 3.5. Abrasion resistance: Class 3.
- 3.6. Slip resistance: (USRV) >45.
- 3.7. Skid resistance: 8%.
- 3.8. Recycled content (minimum): Not less than 6%.
- 4. Granite Content In Surface Layer: ≥53% (silver, graphite and mid grey; ≥45% (sandstone) of granite aggregate in surface layer.
- 5. Permeability: 15 000 L/s/ha.

140 P4 Permeable Paving to Private Curtilages (A)

- 1. Manufacturer: [Tobermore](#) or equivalent
 - 1.1. Contact details
 - 1.1.1. Address: 2 Lisnamuck Road
Tobermore
Co L'derry
BT45 5QF
 - 1.1.2. Telephone: [+44 \(0\)844 800 5736](tel:+44(0)8448005736)
 - 1.1.3. Web: <https://www.tobermore.co.uk/professional/>
 - 1.1.4. Email: b.developmentteam@tobermore.co.uk
 - 1.2. Product reference: [Hydropave Artro | Permeable Block Paving](#) or equivalent
- 2. Description: Permeable block paving.
- 3. Standard: To BS EN 1338.
- 4. Physical properties
 - 4.1. Colour:
 - 4.2. Finish: Smooth.
 - 4.3. Profile
 - 4.3.1. Paver type: Regular plan form.
 - 4.3.2. Arrises: Pencil edge.
 - 4.4. Dimensions and associated tolerances
 - 4.4.1. Nominal sizes: 220 x 55 x 80 mm.
 - 4.4.2. Tolerances on diagonals: Length: ±2 mm. Width: ±2mm. Thickness: ±3 mm.
 - 4.5. Abrasion resistance: Class 3.
 - 4.6. Skid resistance: USRV to BS EN 1338 of >45. PSRV to BS EN 1338 of >45.
 - 4.7. Environmental performance requirements
 - 4.7.1. Environmental rating: BREEAM B (A can be achieved when used in conjunction with a prepared recycled sub-base).
 - 4.7.2. Recycled content (minimum): 12%.
- 5. Installation: To BS 7533-3-2005.
- 6. Surface Finish Top: Hard-wearing surface layer with a minimum of 4 mm and >350 kg/m³ cement.
- 7. Fire performance: Deemed to satisfy when used for roofing.
- 8. Reaction to fire: Class A1.
- 9. Durability: ≤1.0 kg/m² as a mean with no individual value >1.5 kg/m², Class 3.

10. TensileStrength: ≥ 3.6 MPa.
11. Efflorescence: Minimum 12 hour vapour curing to significantly reduce the possibility of efflorescence.

Execution

200 Execution generally – concrete block and clay paver paving

1. Standard: In accordance with BS 7533-3.

211 Colour banding

1. General: Unless premixed by manufacturer, select blocks/ pavers/ setts from at least Three to Five separate packs in rotation, to avoid colour banding.

220 Samples

1. General: Before ordering, submit samples of all blocks/ pavers/ setts that are representative of colour and appearance.

240 Adverse weather

1. General: Do not use frozen materials or lay bedding on frozen or frost covered sub-bases.

485 Laying blocks/ pavers/ setts

1. Setting out: Start from an edge restraint.
2. Cutting: Cleanly, accurately and vertically, without spalling. Do not mark or damage visible surfaces.
3. Cut edges: Turn inwards where possible; do not position against edge restraints or other features.
4. In situ mortar or concrete infill: Do not use
5. Compaction: Vibrate to produce thoroughly interlocked paving of even overall appearance with regular joints and accurate to line, level and profile. Do not mark or damage paving units, kerbs and adjacent work.
 - 5.1. Concrete blocks and clay pavers: In accordance with BS 7533-3, Annex F, to site category required for laying course material.

490 Laying permeable paving

1. General: Fill voids in bond pattern with bedding material during laying

495 In situ surrounds to obstructions

1. Locations: Where blocks/ pavers cannot be fitted tight up to features
2. Material: 3:1 mix of coarse aggregate and mortar in accordance with BS 7533-3, clause 5.4.3.2.
3. Shape and size: Rectangular, 100 mm (minimum) all round obstruction.
4. Thickness (minimum): Combined depth of blocks/ pavers/ setts and sand laying course.
5. Colour: To match paving units
6. Timing: Lay and allow to cure in advance of laying blocks/ pavers/ setts.

500 Regularity of paved surfaces

1. Maximum variation in gap under a 3 m straight edge placed anywhere on the surface (where appropriate in relation to the geometry of the surface)
 - 1.1. Precast concrete paving blocks and clay pavers for flexible pavements: 10 mm.
2. Difference in level between adjacent paving units (maximum): 2 mm.
3. Sudden irregularities: Not permitted.

Completion

615 Completion of paving

1. Final compaction of the surface course: In accordance with [BS 7533-3](#).
2. Vacuum cleaning machines: Not allowed.

Ω End of Section

Q26

Special surfacings/ pavings for sport/ general amenity

Sports surfacing - Not Used

Impact attenuating surfacings for play areas

340 P8 'Safagrass' Rubber Matting Surfacing to Play Spaces

1. Sub-base: To engineers design detail and specification
 - 1.1. Thickness:
2. Base:
 - 2.1. Thickness:
3. Surface course: 80% Recycled Rubber
 - 3.1. Standard: Slip Resistance to To BS EN:7188:1998
Ease of ignition to BS EN:4790:1987
 - 3.2. Manufacturer: Technix Rubber and Plastics Ltd or equivalent
 - 3.2.1. Product reference: Safagrass
 - 3.3. Colour: Black
 - 3.4. Critical fall height when tested to BS EN 1177: 23mm
4. Submit
 - 4.1. Resistance to abrasive wear, slip resistance, resistance to indentation and ease of ignition: Evidence of testing to BS 7188.
 - 4.2. Critical fall height: Evidence of testing to BS EN 1177.

Associated accessories - Not Used

Execution - Not Used

Completion

920 Play surface testing

1. Standard: To BS EN 1177 and BS 7188, where applicable.
2. Testing body: A United Kingdom Accreditation Service (UKAS) independent laboratory.
3. Timing: Within ten days of completing the surfacing works.
4. Test results: Submit.

930 Documentation

1. Standard: To BS EN 1176-1.
2. Submission requirements
 - 2.1. Name and contact details of installer.
 - 2.2. Date of installation.
 - 2.3. Name and contact details of manufacturer.
 - 2.4. Type/ description/ reference of products used.
 - 2.5. Manufacturer's recommended inspection and maintenance procedures to maintain safety and impact attenuating performance.
3. Manufacturer's recommended cleaning and maintenance methods, where relevant.

Ω End of Section

Q28

Topsoil and soil ameliorants

System outline

115 Topsoil system for turfing and seeding

1. Description: FOR ALL GRASSED AREAS
2. Composition
 - 2.1. Topsoil: Imported topsoil to BS 3882
 - 2.2. Ameliorants: Sanitized and stabilized composted materials
 - 2.3. Accessories: None

135 Planting bed/Tree pit topsoil system

1. Description: FOR GENERAL PLANTING AREAS
2. Composition
 - 2.1. Topsoil: Imported topsoil to BS 3882
 - 2.2. Ameliorants: Organic materials
 - 2.3. Accessories:

145 Planting pit backfilling topsoil system

1. Description: For external planting
2. Composition
 - 2.1. Topsoil: Imported topsoil to BS 3882
 - 2.2. Ameliorants: Organic materials, sanitized and stabilized composted materials
 - 2.3. Accessories: None

155 Mulching and top dressing system

1. Description: For all external planting beds and tree pits
2. Composition
 - 2.1. Material: Medium grade bark mulch. Submit design and cost proposals.

Products

300 Preparation materials generally

1. Purity: Free of pests and disease.
2. 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.
3. Contamination: Do not use topsoil contaminated with subsoil, rubbish or other materials that are:
 - 3.1. Corrosive, explosive or flammable.
 - 3.2. Hazardous to human or animal life.
 - 3.3. Detrimental to healthy plant growth.
4. Subsoil: In areas to receive topsoil or planting media, do not use subsoil contaminated with the above materials.
5. Objectionable odour: None.
6. Give notice: If any evidence or symptoms of soil contamination are discovered on the site or in topsoil or planting media to be imported.

310 Materials not permitted

1. **Materials:** Peat and products containing peat

315 Imported topsoil to BS 3882

1. **Description:** For all external planting beds and tree pits
2. **Quantity:** Provide as necessary to make up any deficiency of topsoil existing on site and to complete the work.
3. **Standard:** To BS 3882.
4. **Classification:** Multipurpose
 - 4.1. **Soil textural class** to BS 3882, Figure 1: Any class
5. **Source:** Submit proposals

320 Imported topsoil from a specified source

1. **Description:** FOR CONTAINER PLANTING, FOR GRASS SEEDING, FOR PLANTING BEDS, FOR TREE PITS.
2. **Quantity:** Provide as necessary to make up any deficiency of topsoil existing on site and to complete the work.
3. **Soil textural class:**
4. **Source:** Submit proposals

330 Imported manufactured topsoil/ growing medium

1. **Description:** FOR PLANTING BEDS and FOR TREE PITS
2. **Type:** Lightweight planting medium and urban tree planting medium
 - 2.1. **Soil textural class:** Sandy clay loam
3. **Source:** Submit proposals
4. **Manufacturer:** Submit proposals
 - 4.1. **Product reference:** Submit proposals

330A Imported manufactured topsoil/ growing medium

1. **Description:** FOR GRASS SEEDING
2. **Type:** Amenity grass mix
 - 2.1. **Soil textural class:** and class Sandy clay loam
3. **Source:** Submit proposals
4. **Manufacturer:** Enrich Indoor Substrate or equivalent. Submit Proposals

360 Sanitized and stabilized composted materials certified to PAS 100

1. **Description:** FOR SITE-MADE TOPSOIL
2. **Standard:** In accordance with PAS 100
3. **Source:** Submit proposals
 - 3.1. **Product reference:** Submit proposals
4. **Horticultural parameters**
 - 4.1. **pH (1:5 water extract):** 7.0-8.7
 - 4.2. **Electrical conductivity (maximum, 1:5 water extract):** 200 mS/m
 - 4.3. **Moisture content (m/m of fresh weight):** 35-55%.
 - 4.4. **Organic matter content (minimum):** 25%
 - 4.5. **Grading (air dried samples):** 10mm screen mesh aperture

- 4.6. Carbon:Nitrogen ratio (maximum): 20:1.
5. Texture: Friable.
6. Objectionable odour: None.
7. Compost Certification Scheme certification: Required
8. Declaration of analysis: Submit.
9. Additional analyses: Not required
10. Samples: Supply 5 kg sample before ordering

Execution

610 Topsoil analysis

1. Soil to be analysed: Imported topsoil
2. Soil analyst: Submit proposals
3. Samples: Collect in accordance with BS 3882.
4. Submit
 - 4.1. Declaration of analysis: In accordance with BS 3882, clause 6 and Table 1.
 - 4.2. Additional analysis: Not required
 - 4.3. Report detailing soil analyst's recommendations.

620 Importing topsoil

1. Give notice: Before stripping topsoil for transfer to site.
 - 1.1. Notice period: 14 days

625 Sample loads

1. Description: For imported topsoil
2. Deliver to site a sample load: of 5 kg
3. Give notice: Allow inspection before making further deliveries to site. Retain for comparison with subsequent loads.
 - 3.1. Notice period: 14 days

630 Documentation for imported topsoil

1. Description: For planting beds and grass seeding
2. Timing: Submit at handover.
3. Contents
 - 3.1. Full description of all soil components.
 - 3.2. Record of source for all soil components.
 - 3.3. Record drawings showing the location and depth of all soils by type and grade.
 - 3.4. Declaration of analysis: in accordance with BS 3882, clause 6 and Table 1.
4. Number of copies: One Three

635 Documentation for compost and composted materials

1. Description: FOR COMPOST
2. Timing: Submit at handover.
3. Contents
 - 3.1. Full description of all compost components.
 - 3.2. Record of source for all compost components.

- 3.3. Analyst's report for each test carried out.
- 3.4. Declaration of compliance: in accordance with PAS 100 and BSI PD CR 13456.
- 3.5. Quality Compost Protocol certification: Not required
4. Number of copies: Three

650 Notice

1. Give notice before
 - 1.1. Setting out.
 - 1.2. Spreading topsoil.
 - 1.3. Applying herbicide.
 - 1.4. Applying fertilizer.
 - 1.5. Visiting site during maintenance period.
2. Period of notice: 2 weeks

655 Mechanical tools

1. Restrictions: Do not use within 100 mm of tree and plant stems. Do not damage adjacent planting.

660 Grading subsoil for:

1. Description: LAWN AREAS, COMBINED GRASS PLANTING AND BULB AREAS, PLANTING BEDS AND HARD WEARING LAWN AREAS
2. Standard: In accordance with BS 8601.
3. General: Grade to smooth flowing contours to achieve specified finished levels of topsoil.
4. Areas of thicker topsoil: Excavate locally.
5. Avoid compaction.
6. Excess subsoil: Remove.

665 Subsoil surface preparation for:

1. Description: LAWN AREAS, COMBINED GRASS PLANTING AND BULB AREAS, PLANTING BEDS AND HARD WEARING LAWN AREAS
2. Standard: In accordance with BS 3882.
3. General: Excavate and/ or place fill to required profiles and levels, as section D20.
4. Loosening
 - 4.1. When ground conditions are sufficiently dry to allow breaking up of soils, loosen thoroughly to specified depth
 - 4.1.1. Light and noncohesive subsoils: 600 mm
 - 4.1.2. Stiff clay and cohesive subsoils: 600 mm
 - 4.1.3. Rock and chalk subgrades: Lightly scarify to promote free drainage.
 - 4.2. Wet conditions: Do not loosen subsoils.
5. Stones: Immediately before spreading topsoil, remove stones larger than 50 mm.
6. Remove from site: Arisings, contaminants, debris and builders rubble

670 Inspecting formations

1. Give notice: Before spreading topsoil for areas to receive forestry planting.
2. Notice period: 14 days

685 Surplus materials to be removed

1. Topsoil removal from site: Topsoil remaining after completion of all landscaping work
2. Subsoil, stones, debris, wrapping material, canes, ties, temporary labelling, rubbish, prunings and other arisings: Remove.

700 Grading of topsoil

1. Topsoil condition: Reasonably dry and workable.
2. Contours: Smooth and flowing, with falls for adequate drainage.
 - 2.1. Hollows and ridges: Not permitted.
3. Give notice: If required levels cannot be achieved by movement of existing soil.

705 Handling topsoil

1. Standard: In accordance with BS 3882.
2. Aggressive weeds: Give notice and obtain instructions before moving topsoil.
3. Plant: Select and use plant to minimize disturbance, trafficking and compaction.
4. Contamination: Do not mix topsoil with:
 - 4.1. Subsoil, stone, hardcore, rubbish or material from demolition work.
 - 4.2. Other grades of topsoil.
5. Multiple handling: Keep to a minimum. Use or stockpile topsoil immediately after stripping.
6. Wet conditions: less 3%, to BS 1377-2

710A Spreading topsoil on Combined Grass Planting and Bulb Areas

1. Description: COMBINED GRASS PLANTING AND BULB AREAS
2. Standard: In accordance with BS 3882.
3. Temporary roads/ surfacing: Remove before spreading topsoil.
4. Layers
 - 4.1. Depth (maximum): 150 mm.
 - 4.2. Gently firm each layer before spreading the next.
5. Depth after firming and settlement: 200
6. Crumb structure: Do not compact topsoil. Preserve a friable texture of separate visible crumbs wherever possible.

710B Spreading topsoil on Groundcover, Hedging and Shrub Planting areas

1. Description: Groundcover, Hedging and Shrub Planting areas
2. Standard: In accordance with BS 3882.
3. Temporary roads/ surfacing: Remove before spreading topsoil.
4. Layers
 - 4.1. Depth (maximum): 150 mm.
 - 4.2. Gently firm each layer before spreading the next.
5. Depth after firming and settlement: 450
6. Crumb structure: Do not compact topsoil. Preserve a friable texture of separate visible crumbs wherever possible.

710C Spreading topsoil on Tree Pits (A)

1. Description: Tree Pits

2. **Standard:** In accordance with BS 3882.
3. **Temporary roads/ surfacing:** Remove before spreading topsoil.
4. **Layers**
 - 4.1. **Depth (maximum):** 150 mm.
 - 4.2. **Gently firm** each layer before spreading the next.
5. **Depth after firming and settlement:** 1000mm
6. **Crumb structure:** Do not compact topsoil. Preserve a friable texture of separate visible crumbs wherever possible.

715 Loose tipping of topsoil

1. **Standard:** In accordance with BS 3882.
2. **General:** Do not firm, consolidate or compact topsoil when laying. Tip and grade to approximate levels in one operation with minimum of trafficking by plant.

718 Final cultivation

1. **Description:** For grass seeding and external planting generally
2. **Compacted topsoil:** Break up to full depth.
3. **Tilth:** Loosen, aerate and break up topsoil to a tilth suitable for blade grading.
4. **Depth:** As per planting detail.
5. **Particle size (maximum):** 15 mm
6. **Timing:** After grading and fertilizing, and within a few days before seeding
7. **Weather and ground conditions:** Suitably dry.
8. **Surface:** Leave regular and even.
9. **Levels:** 25 mm above adjoining paving or kerbs
10. **Undesirable material brought to the surface**
 - 10.1. Remove visible weeds.
 - 10.2. Remove roots and large stones with any dimension exceeding 50 mm.

720 Finished levels of topsoil after settlement

1. **In relation to adjoining paving, kerbs or hard surfaces:** 25 mm above
2. **In relation to dpc of adjoining buildings:** Not less than 150 mm below.
3. **In relation to adjacent grass areas:** 50 mm above
4. **Seeded areas:** Extend cultivation into existing adjacent grassed areas sufficient to ensure full marrying in of levels.
5. **Sportsfields:** To even levels and within the following permitted deviations:
 - 5.1. **From levels or gradients shown on drawings:** ± 75 mm.
 - 5.2. **From line between boning rods 30 m apart:** ± 25 mm.
6. **Within root spread of existing trees and shrubs to be retained:** Do not dig or cultivate.
7. **Adjoining soil areas:** Marry in.
8. **Thickness of turf or mulch:** Included.

810 Applying compost

1. **Description:** To imported or site sourced topsoil for external planting
2. **Application rate for trees and shrubs:** 50mm thick
 - 2.1. **Timing:** Apply prior to cultivation.
3. **Application rate for grass:** 50mm thick

3.1. Timing: Apply prior to cultivation.

4. Other requirements: Submit 5kg sample before ordering

825 Applying fertilizer to proposed grass areas

1. Description:
2. Application: Before final cultivation and three to five days before seeding/ turfing.
3. Coverage:
4. Spread evenly, in transverse directions.
 - 4.1. Rate: 70 g/m²

830 Applying top dressing

1. Description: TO GRASS PLANTING AND BULB AREAS
2. Rate: 2-4 kg/m²
3. Timing: Apply prior to cultivation.

845 Applying loose mulch

1. Description: For planting beds and tree pits in soft landscaping
2. Timing: Immediately after planting
3. Preparation: Clear all weeds Ensure that soil is thoroughly moistened, applying water where necessary
4. Coverage of mulch (minimum)
 - 4.1. Planting beds (depth): 75 mm depth
 - 4.2. Trees: 75 litres per tree position, 75 mm depth. In a circular area of 500 mm radius measured from the tree stem
5. Finished level of mulch: 30 mm below adjacent grassed or paved areas

Completion

910 Applying maintenance fertilizer to grass swards

1. Description: TO ALL GRASSED AREAS
2. Duration: Carry out the following operations from completion of seeding/turfing until the end of the rectification period.
3. Time of year: During April and May
4. Application: Evenly spread, carefully incorporating below mulch materials.
5. Rate: To manufacturer's recommendations

920 Applying mulch

1. Timing: At end of the rectification period
2. Watering: Ensure that soil is thoroughly moistened prior to mulching, applying water where necessary.
3. Planting beds: Re-mulch.
 - 3.1. Depth (minimum): 75 mm
4. Trees: Remulch.
 - 4.1. Depth (minimum): 75 mm

Ω End of Section

Q30

Seeding/ turfing

General information/requirements

115 Seeded and turfed areas

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

120 Climatic conditions

1. **General:** Carry out the work while soil and weather conditions are suitable.

145 Watering

1. **Quantity:** Wet full depth of topsoil.
2. **Application:** Even and without displacing seed, seedlings or soil.
3. **Frequency:** As necessary to ensure the establishment and continued thriving of all seeding/turfing.

150 Water restrictions

1. **Timing:** If water supply is or is likely to be restricted by emergency legislation do not carry out seeding/turfing until instructed. If seeding/turfing has been carried out, obtain instructions on watering.

160 Notice

1. Give notice before
 - 1.1. Setting out.
 - 1.2. Applying herbicide.
 - 1.3. Applying fertilizer.
 - 1.4. Preparing seed bed.
 - 1.5. Seeding or turfing.
 - 1.6. Visiting site during maintenance period.
2. Period of notice: 2 weeks

170 Setting out

1. **Boundaries:** Mark clearly.
2. **Delineation:** In straight lines or smoothly flowing curves as shown on drawings.

Preparation

212 Seed bed cleaning before sowing

1. **Description:** LAWNS
2. **Operations:** Remove weeds by hand weeding and hoeing.

250 Soil requirements

1. Type
 - 1.1. **Seeded areas:** Soil for grass swards, as section Q28
 - 1.2. **Turfed areas:** Soil for grass swards, as section Q28

Seeding

311 COMBINED GRASS PLANTING AND BULBS

1. Description: FOR LAWNS
2. Supplier: Submit proposals
3. Application rate: 34-50 g/m²

320 Quality of seed

1. Description: FOR LAWNS, FOR ALL GRASSED AREAS
2. Freshness: Produced for the current growing season.
3. Certification: Seed to be sourced from a seed grower registered with the **Department of Agriculture, Food and the Marine**.
 - 3.1. Standard: EC purity and germination regulations and Department for Environment, Food and Rural Affairs Higher Voluntary Standard.
 - 3.2. Official Seed Testing Station certificate of germination, purity and composition: Submit when requested.
4. Samples of mixtures: Submit when requested.

330 Sowing

1. General: Establish good seed contact with the root zone.
2. Method: Manually broadcast, raked and rolled
 - 2.1. Distribution: As instructed by seed supplier

335 Grass sowing season

1. Grass seed generally: April to October

340 Pre-emergent herbicide

1. Description: FOR ALL GRASSED AREAS, FOR NATURALIZED AREAS
2. Standard: Pesticide Safety Directorate approved.
3. Application rate: In accordance with manufacturer's written recommendation.
 - 3.1. Timing: Immediately after sowing.

350 Turf edging to seeded areas

1. Description: ADJACENT TO PAVEMENT
2. Standard: To BS 3969, with no perennial ryegrass.
 - 2.1. Seed mix: Similar to seeded area.
3. Timing: Before sowing.
4. Preparation: Rake back a 750 mm wide margin around prepared seed beds.
 - 4.1. Level of seed bed: Married in with turf.
5. Placement: Single row laid end to end and trimmed to a line.
6. Watering: On completion.

352 Edges to seeded areas

1. Description: ADJACENT TO PLANTING BEDS AND TREE PITS
2. Timing: After seeded areas are well established.
3. Edges: Clean straight lines or smooth curves.

- 3.1. Mulch and soil: Draw back to permit edging.
4. Arisings: Remove.
5. Completion: Respread soil and mulch.

355 Surface reinforcement mat/ mesh

1. Description: For landscape mounds in playground.
2. Manufacturer: Technix or equivalent
 - 2.1. Product reference: Safa Grass or equivalent
3. Type: Hollow-ring rubber tiles
 - 3.1. Size: 1000mm x 1500mm x 23mm
4. Fixing/ Jointing: Done-headed plastic fixing pegs in 190mm lengths, 5no. pegs per-safa matting tile
5. Topsoil dressing:
 - 5.1. Thickness:
6. Additional seeding:
7. Removal of fixings:

Turfing

405 Cultivated turf

1. Description: FOR LAWNS
2. Supplier: Submit proposals
3. Seed mixture: 35% Chewings fescue, 35% Slender red fescue, 20% Smooth stalked meadow grass, 10% Brown top bent
4. Properties of soil used for turf production: Peat-free, well drained sandy loam

420 Delivery and storage

1. Timing: Lay turf with minimum possible delay after lifting. If delay occurs, lay turf out on topsoil and keep moist.
2. Frosty weather or waterlogged ground: Do not lift turf.
3. Delivery: Arrange to avoid need for excessive stacking.
4. Stacking height (maximum): 1 m.
5. Dried out or deteriorated turf: Do not use.
6. Certification
 - 6.1. Standard: To BS 3969.
 - 6.2. Declaration:

423 Inspection of turf

1. Description:
2. Sampling method: To BS 3969.
3. Give notice: Before lifting turf.
 - 3.1. Period of notice:

430 Turfing generally

1. Time of year:
2. Timing of laying
 - 2.1. Spring and summer: Within 18 hours of delivery.

- 2.2. **Autumn and winter:** Within 24 hours of delivery.
3. **Weather conditions:** Do not lay turf when persistent cold or drying winds are likely to occur or soil is frost bound, waterlogged or excessively dry.
 4. **Working access:** Planks laid on previously laid turf. Do not walk on prepared bed or newly laid turf.
 5. **Jointing:** Laid with broken joints, well butted up. Do not stretch turf.
 6. **Edges:** Whole turfs, trimmed to a true line.
 7. **Adjusting levels:** Remove high spots and fill hollows with fine soil.
 8. **Consolidating:** Lightly and evenly firm as laying proceeds to ensure full contact with substrate. Do not use rollers.
 9. **Dressing, brushed well in to completely fill all joints:**
 10. **Watering:** Thoroughly water completed turf immediately after laying. Check that water has penetrated into the soil below.

Protecting/cutting

530 First cut of grassed areas

1. **Timing:** When grass is reasonably dry.
 - 1.1. **Height of initial growth:** 75 mm
2. **Preparation**
 - 2.1. **Debris and litter:** Remove.
 - 2.2. **Stones and earth clods larger than 25 mm in any dimension:** Remove
3. **Height of first cut:** 50 mm
4. **Mower type:** Contractor's choice
5. **Arisings:** Remove from site

565 Timber/ plastics edgings

1. **Material:** Pressure Treated Timber
 - 1.1. **Size:** 150 mm x 40 mm.
2. **Fixings:** Nailed.
 - 2.1. **Pegs:** 50 mm x 50 mm x 750 mm long.
 - 2.2. **Centres:** 1200 mm.
 - 2.3. **Installation height:**
3. **Curved boards:** Closely spaced vertical grooves cut in the back to achieve smooth flowing lines.
4. **Preservative treatment:** As section Z12 and Wood Protection Association commodity specification C4.
 - 4.1. **Type:**

590 Cleanliness

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

Maintenance

610 Failures of seeding/ turfing

1. **Duration:** Carry out the following operations from completion of seeding/ turfing until: the end of the rectification period..
2. **Defective materials or workmanship:** Areas that have failed to thrive.

- 2.1. Exclusions: Theft or malicious damage.
- 3. Method of making good: Recultivation and reseeding/ returfing.
- 4. Timing of making good: The next suitable planting season

620 Maintaining

- 1. Description: LAWNS
- 2. Duration: Carry out the following operations from completion of seeding/ turfing until: the end of the rectification period..
- 3. Maximum height of growth at any time: 75mm
- 4. Preparation: Before each cut remove all litter and debris.
- 5. Cutting: As and when necessary to a height of 50mm.
 - 5.1. Arisings: Remove
- 6. Bulb planting areas: Do not cut until bulb foliage has died down.
- 7. Trimming: All edges.
 - 7.1. Arisings: Remove.
- 8. Weed control: Substantially free of broad leaved weeds.
 - 8.1. Method: Application of a suitable selective herbicide.
- 9. Stones brought to the surface: Remove regularly.
 - 9.1. Size: Exceeding 25 mm in any dimension.
- 10. Areas of settlement: Make good.
- 11. Watering: as clause Q30/145

Ω End of Section

Q31

External planting

Clauses

2 To be read with preliminaries/general conditions.

General information/ requirements

112 Site clearance generally

1. **General:** Remove rubbish, concrete, metal, glass, decayed vegetation and contaminated topsoil.
2. **Stones:** Remove those with any dimension exceeding 50 mm.
3. **Contamination:** Remove material containing toxins, pathogens or other extraneous substances harmful to plant, animal or human life.
4. **Vegetation:** Clear scrub to ground level by flail mowing and remove arisings; retain and protect trees indicated on drawings
5. **Large roots:** Grub up and dispose of without undue disturbance of soil and adjacent areas.
6. **Additional requirements:** none

118 Soil conditions

1. **Soil for cultivating and planting:** Moist, friable and (except in aquatic/ marginal planting) not waterlogged.
2. **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

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

125 Times of year for planting

1. **Deciduous trees and shrubs:** Late October to late March.
2. **Conifers and evergreens:** September/ October or April/ May.
3. **Herbaceous plants (including marginal):** September/ October or March/ April.
4. **Container grown plants:** At any time if ground and weather conditions are favourable.
 - 4.1. **Watering and weed control:** Provide as necessary.
5. **Dried bulbs, corms and tubers:** September/ October.
6. **Colchicum (crocus):** July/ August.
7. **Green bulbs:** After flowering in spring.
8. **Wildflower plugs:** Late August to mid November or March/ April.

130 Mechanical tools

1. **Restrictions:** Do not use within 100 mm of tree and plant stems.

145 Watering

1. **Quantity:** Wet full depth of topsoil.
2. **Application:** Even and without damaging or displacing plants or soil.
3. **Frequency:** As necessary to ensure establishment and continued thriving of planting.

150 Water restrictions

1. **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

1. Give notice before
 - 1.1. Setting out.
 - 1.2. Applying herbicide.
 - 1.3. Applying fertilizer.
 - 1.4. Delivery of plants/ trees.
 - 1.5. Planting shrubs.
 - 1.6. Planting trees into previously dug pits.
 - 1.7. Watering.
 - 1.8. Visiting site during maintenance period.
2. **Period of notice:** Three working days

170 Soil requirements

1. Type
 - 1.1. **Planted beds:** Planting bed soil system, as section Q28
 - 1.2. **Tree pits, shrub pits and other backfilling:** Plant pit backfilling soil system, as section Q28
 - 1.3. **Mulch applied after planting:** Mulching and top dressing system, as section Q28

200 Plants/ Trees – general

1. **Condition:** Materially undamaged, sturdy, healthy and vigorous.
2. **Appearance:** Of good shape and without elongated shoots.
3. **Hardiness:** Grown in a suitable environment and hardened off.
4. **Health:** Free from pests, diseases, discoloration, weeds and physiological disorders.
5. **Budded or grafted plants:** Bottom worked.
6. **Root system and condition:** Balanced with branch system.
 - 6.1. **Standard:** The relevant parts of BS 3936
7. **Species:** True to name.
8. **Origin/ Provenance:** Irish Grown

216 Plants/ Trees – specification criteria

1. **Name, forms, dimensions and other criteria:** To the relevant part of BS 3936.

225 Bulbs/ Corms/ Tubers

1. **Condition:** Firm, entire, not dried out or shrivelled.
2. **Health:** Free from pests, diseases and fungus.
3. **Handling:** Remove from packaging immediately.
4. **Storage:** Permitted only when necessary.
 - 4.1. **Location:** Well ventilated, dark, covered, rodent proof container, away from exhausts and fruit.
 - 4.2. **Duration:** Minimum period.
 - 4.3. **Temperature:** 18-21°C.

235 Container grown plants/ Trees

1. **Growing medium:** With adequate nutrients for plants to thrive until permanently planted.
2. **Plants:** Centred in containers, firmed and well watered.
3. **Root growth:** Substantially filling containers, but not root bound, and in a condition conducive to successful transplanting.
4. **Hardiness:** Grown in the open for at least two months before being supplied.
5. **Containers:** With holes adequate for drainage when placed on any substrate commonly used under irrigation systems.

246 Labelling and information

1. **Standard:** To BS 3936.

260 Plant/ Tree substitution

1. **Plants/ trees unobtainable or known to be likely to be unobtainable at time of ordering:** Submit alternatives for approval.
 - 1.1. Price.
 - 1.2. Difference from specified plants/ trees.
2. **Approval:** Obtain before making any substitution.

265 Plant handling, storage transport and planting

1. **Standard:** To CPSE 'Handling and establishing landscape plants'.
2. **Frost:** Protect plants from frost.
3. **Handling:** Handle plants with care. Protect from mechanical damage and do not subject to shock, e.g. by dropping from a vehicle.
4. **Plant packaging:** Black polyethylene bags
5. **Packaging of bulk quantities:** Pallets or bins sealed with polyethylene and shrink wrapped
6. **Planting:** Upright or well balanced with best side to front.

280 Treatment of tree wounds

1. **Cutting:** Keep wounds as small as possible.
 - 1.1. Cut cleanly back to sound wood using sharp, clean tools.
 - 1.2. Leave branch collars. Do not cut flush with stem or trunk.
 - 1.3. Set cuts so that water will not collect on cut area.
2. **Fungicide/ Sealant:** Do not apply unless instructed.

285 Protection of existing grass

1. **General:** Protect areas affected by planting operations using boards/ tarpaulins.
 - 1.1. **Excavated or imported material:** Do not place directly on grass.
 - 1.2. **Duration:** Minimum period.

290 Surplus material

1. **Subsoil, stones, debris, wrapping material, canes, ties, temporary labelling, rubbish, prunings and other arisings:** Remove.

Plant containers - Not Used

Preparation of planting beds/ planting materials - Not Used

Planting shrubs/ herbaceous plants/ bulbs

400 Random plant layout

1. Description: See DR-0600
2. Density: at 7 plants per m²

405 Shrub planting pits

1. Timing: Excavate 1-2 days (maximum) before planting.
2. Sizes: Wide enough to accommodate roots when fully spread and 75 mm deeper than root system
3. Pit bottom improvement Break up to a depth of 150 mm, incorporating 25 g of slow release fertilizer per planting pit.

445 Planting bulbs/ Corms/ Tubers

1. Depth: Top of bulb/ corm/ tuber at a depth of approximately twice its height, base in contact with bottom of hole.
2. Backfilling: Finely broken soil. Lightly firm to existing ground level.
3. Naturalized planting in existing grassed areas
 - 3.1. Scattering: Random. Plant bulbs/ corms/ tubers where they fall.
 - 3.2. Planting: Neatly remove a plug of turf and replace after planting.

471 Naturalized hedges

1. Planting: In trenches large enough to take full spread of roots. Set out plants evenly.

480 After planting

1. Watering: Immediately after planting, thoroughly and without damaging or displacing plants or soil.
2. Firming: Lightly firm soil around plants and fork and/ or rake soil, without damaging roots, to a fine tilth with gentle cambers and no hollows.
3. Top dressing: Mulching and top dressing system, as section Q28
 - 3.1. Depth: 75mm

Planting trees

500 Tree planting

1. Standard: Prepare trees and transplant in accordance with BS 4428

505 Tree pits

1. Sizes: As drawing DR-0600
2. Sloping ground: Maintain horizontal bases and vertical sides with no less than minimum depth throughout.
3. Excavated material: Separate topsoil and subsoil material and stockpile for backfilling
4. Pit bottoms: Excavate with slightly raised centre: Break up base to a depth of 150 mm.
5. Pit sides: Scarify.
6. Backfilling material: Topsoil, as section Q28

512 Tree pit irrigation and ventilation accessories

1. Locations: As drawing DR-0600
2. Manufacturer: Submit proposals
 - 2.1. Product reference: RootRain Urban & Precinct by www.greenleafireland.com or equivalent
3. Type: Perforated plastics irrigation pipe with inlet
4. Pipe diameter: 60 mm
5. Ring diameter: 900 mm
6. Inlet: Black plastics, with cap or cast aluminium where indicated
7. Installation
 - 7.1. Pipe: Lay in loop above root ball with slight fall away from inlet pipe. Trim length to ensure a close fit in the tree pit. Connect both ends of pipe securely into plastics tee junction on inlet.
 - 7.2. Top cap of inlet: Protruding slightly above finished surround level.
 - 7.3. Backfill material: Carefully compact in layers.

535 Tree stakes

1. Stakes: Softwood, peeled chestnut, larch or oak, straight, free from projections and large or edge knots and with pointed lower end.
 - 1.1. Preservative treatment: Use pressure treated timber stakes
2. Stake size (minimum): 75 mm diameter
3. Stake length (minimum): 1800 mm

550 Double staking for

1. Description: All mature standard trees
2. Staking
 - 2.1. Position: Either side of tree position and perpendicular to wind direction.
 - 2.2. Driving: Vertically at least 300 mm into bottom of pit before planting.
 - 2.3. Backfilling: Consolidate material around stake.
 - 2.4. Firming: Sufficiently firm to prevent movement of the rootball/ rootstock.
3. Height of stakes: Cut off to approximately 600 mm above ground level
4. Horizontal bracing: Timber cross bar, 75 mm x 38 mm x 900 mm
 - 4.1. Fixing: Firmly fix using nails on windward side of tree and as close as possible to the stem without making contact with the bark. Position cross bar horizontally and 25 mm from top of stakes
5. Ties: Product Reference - SRC Tree Strap 38mm available from www.landscapedepot.ie
6. Tying: Secure tree firmly but not rigidly to cross bar. Prevent tree from touching cross bar using spacer blocks - product reference: SRC Cushion 38mm available from www.landscapedepot.ie
7. Nails for fixing ties, belts and webbing: To BS 1202-1, galvanized, minimum 25 mm long and with 10 mm diameter heads.
8. Nails for fixing cross bars: To BS 1202-1, galvanized round wire, minimum 75 mm long and 3.75 mm gauge

556 Triple staking for

1. Description: Multi
2. Staking
 - 2.1. Position: Equidistantly around the tree position.
 - 2.2. Driving: Vertically at least 300 mm into bottom of pit before planting.

- 2.3. Backfilling: Consolidate material around stake.
- 2.4. Firming: Sufficiently firm to prevent movement of the rootball/ rootstock.
3. Height of stakes:
4. Horizontal bracing:
5. Tying:
6. Nails for fixing belts and webbing: To BS 1202-1, galvanized, minimum 25 mm long and with 10 mm diameter heads

Woodland/ matrix/ buffer zone planting

617 Removing trees and hedges

1. Identification: Clearly mark trees and hedges to be removed.
2. Work near retained trees: Where canopies overlap, take down trees carefully in small sections to avoid damage to adjacent trees that are to be retained.
3. Arisings: Remove.
4. Tree stumps: Remove mechanically to a minimum depth of 300 mm below ground level

645 Planting in turf

1. Preparation: Cut and upturn a turf of minimum 300 mm square.
2. Notching: Make a vertical slit from the centre of the turf, to the side away from the prevailing wind.
 - 2.1. Depth: To accommodate full depth of roots.
3. Planting: Plant tree, close notch with root collar at ground level and firm the soil.

680 Setting out

1. Planting density: As drawing 23FG10-DR-0300
2. Layout: Random groups of no less than 3 or more than 7 of the same species, ensuring that no three plants are aligned in any one direction.

Protecting/ maintaining/ making good defects

710 Maintenance

1. Duration: Carry out the operations in the following clauses from completion of planting until the end of the rectification period.
2. Frequency of maintenance visits: In accordance with the agreed maintenance schedule

720 Failures of planting

1. Defects due to materials or workmanship not in accordance with the Contract: Plants/ trees/ shrubs that have failed to thrive.
 - 1.1. Exclusions: Theft or malicious damage after completion.
 - 1.2. Rectification: Replace with equivalent plants/ trees/ shrubs.
2. Replacements: To match size of adjacent or nearby plants of same species or match original specification, whichever is the greater.
3. Timing of making good: During the next suitable planting season

740 Cleanliness

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

750 Planting maintenance generally

1. **Weed control:** Maintain weed free area around each tree and shrub.
 - 1.1. **Diameter (minimum):** The larger of 1 m or the surface of original planting pit.
 - 1.2. **Keep planting beds clear of weeds:** By maintaining full thickness of mulch
2. **Planted areas:** Fork over beds as necessary to keep soil loose, with gentle cambers and no hollows. Take care not to reduce depth or effect of mulch.
3. **Precautions:** Ensure that trees and shrubs are not damaged by use of mowers, nylon filament rotary cutters and similar powered tools.
4. **Firming up:** Gently firm loosened soil around trees/ shrubs. Straighten leaning trees/ shrubs.
5. **Trees:** Spray crown when in leaf during warm weather.
 - 5.1. **Timing:** After dusk.
6. **Tree accessories:** Check condition of stakes, ties, guys, guards and irrigation and ventilation systems.
 - 6.1. **Broken or missing items:** Replace.
 - 6.2. **Loose stakes:** Re-firm in the ground or replace as necessary to provide support to the tree.
 - 6.3. **Loose guys:** Re-firm anchor points and adjust as necessary to provide support to the tree.
 - 6.4. **Ties:** Adjust to accommodate growth and prevent constriction or abrasion.
 - 6.5. **Damage to bark:** Cut back neatly with sharp knife. Prevent further damage.
 - 6.6. **Frequency of checks:** In accordance with the agreed maintenance schedule
7. **Watering:** In accordance with the agreed maintenance schedule

760 Planting maintenance – pruning

1. **General:** Prune to promote healthy growth and natural shape.
 - 1.1. **Dead, dying, diseased wood and suckers:** Remove.
 - 1.2. **Timing:** In accordance with the agreed maintenance schedule
 - 1.3. **Trees:** Favour a single central leading shoot.
2. **Arisings:** Remove.

780 Maintenance instructions

1. **General:** Before end of the maintenance period, submit printed instructions recommending procedures to be established by the Employer for maintenance of the planting work for one full year: Provide a schedule of any ongoing maintenance problems experienced during the rectification period.

790 Final mulching

1. **Timing:** At end of the maintenance period.
2. **Watering:** Ensure that soil is thoroughly moistened prior to remulching, applying water where necessary.
3. **Planting beds:** Remulch.
4. **Depth (minimum):** 75 mm
5. **Trees:** Remulch.
6. **Depth (minimum):** 75 mm

Ω End of Section

Q35

Landscape maintenance

Clauses

2 To be read with preliminaries/ general conditions.

Generally

105 Maintenance objectives

1. Location: Hard & Soft Landscaping
 - 1.1. Duration: 12 months
2. Aims: Enhanced landscape quality and Improved landscape visual amenity

110 Notice

1. Give notice before
 - 1.1. Application of herbicide.
 - 1.2. Application of fertilizer.
 - 1.3. Watering.
 - 1.4. Each site maintenance visit.
2. Period of notice: 2 weeks

130 Reinstatement

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

140 Control of mammalian pests

1. Specialist firms: Submit proposals
 - 1.1. Method: Submit proposals

152 Performance criteria for control of invasive plant species

1. Specialist firms: Submit proposals
2. Species: Japanese knotweed
3. Location: Whole site
4. Requirement: Less than 10% cover

155 Watering

1. Supply: Potable mains water or rainwater from storage tank
2. Quantity: Wet full depth of topsoil
3. Application: Do not damage or loosen plants.
4. Compacted soil: Loosen or scoop out, to direct water to rootzone.
5. Frequency: As necessary for the continued thriving of all planting.

160 Water restrictions

1. General: If water supply is, or is likely to be, restricted by emergency legislation, submit proposals for an alternative suitable source of water. Obtain instructions before proceeding.

170 Disposal of arisings

1. General: Unless specified otherwise, dispose of arisings as follows:
 - 1.1. Biodegradable arisings: Remove to recycling facility
 - 1.2. Grass cuttings: Remove to recycling facility
 - 1.3. Tree roots and stumps: Remove from site
 - 1.4. Shrub and tree prunings: Remove to recycling facility
 - 1.5. Litter and nonbiodegradable arisings: Remove from site

180 Chipping or shredding

1. General: Not permitted on site.

181 Mechanical equipment

1. General: Minimize.
2. Timing: Use of mechanical equipment allowed between the hours of 10:00 am and 4:00 pm only

190 Litter

1. Extraneous rubbish not arising from the contract work: Collect and remove from site.

195 Protection of existing grass

1. General: Protect areas affected by maintenance operations using boards/tarpaulins. Do not place excavated or imported materials directly on grass.

197 Cleanliness

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

Grassed areas

210 Maintenance of grassed areas

1. General: Maintain turf in a manner appropriate to the intended use.
2. Soil and grass
 - 2.1. Condition: Maintain a healthy vigorous sward, free from disease, fungal growth, discolouration, scorch or wilt.
 - 2.2. Waterlogging and compaction: Prevent.
 - 2.3. Damage: Repair trampling, abrasion or scalping.
3. Ornamental lawns: Maintain reasonably free from moss, excessive thatch, weeds, frost heave, worm casts and mole hills.
 - 3.1. Edges: Neat and well defined, in clean straight lines or smooth flowing curves.
4. Litter and fallen leaves: Remove regularly to maintain a neat appearance.

220 Grass cutting generally

1. Before mowing: Remove litter, rubbish and debris.
2. Finish: Neat and even, without surface rutting, compaction or damage to grass.
3. Edges: Leave neat and well defined. Neatly trim around obstructions.
4. Adjoining hard areas: Sweep clear and remove arisings.
5. Drought or wet conditions: Obtain instructions.

226 Tree stems

1. **Precautions:** Do not allow nylon filament rotary cutters and other mechanical tools closer than 100 mm to the stem of any tree.
 - 1.1. **Operations close to stems:** Complete using hand tools.

235 Bulbs and corms in grassed areas

1. **Before flowering:** Do not cut.
2. **Interval between end of flowering and start of grass cutting (minimum):** 6 weeks

250 Leaf removal

1. **Operations:** Collect fallen leaves.
2. **Special requirements:** None
3. **Disposal:** Remove from site for recycling

260 Mowing lawns

1. **Grass height:** Maintain between 25 and 50 mm
2. **Arisings:** Remove

275 Cutting summer flowering wild flower meadows

1. **Times of year/ Frequency of cutting:** as instructed in the maintenance schedule
2. **Height of cut:** 75 mm
3. **Arisings:** Remove

280 Cutting spring flowering wild flower meadows

1. **Times of year/ Frequency of cutting:** as instructed in maintenance schedule
2. **Height of cut:** 75 mm
3. **Arisings:** Remove

285 Top dressing

1. **Location:** All lawns
2. **Timing:** Following scarification and aeration
3. **Material:** Compost/ sand/ loam mix
4. **Supplier:** Submit proposals
 - 4.1. **Product reference:** '80/20 Fine Turf Top Dressing' by Pitchcare Ireland
5. **Declaration of analysis:** Submit.
6. **Additional analyses:** Not required
7. **Samples:** Supply 5 kg sample before ordering
8. **Application rate:** 2-4 kg/m²

295 Spiking

1. **Location:** All lawns where waterlogging occurs, to be used as an initial remediation measure. Where problems persist see clause 307
2. **Timing:** As necessary to relieve compaction and waterlogging
3. **Operations:** Aerate the soil and improve surface water penetration.
4. **Depth (minimum):** 100 mm into soil

300 Scarifying

1. Location: All lawns
2. Timing: October or November, before top dressing
3. Operations: Relieve thatch conditions and remove dead grass.
4. Depth (maximum): 25 mm into soil
5. Arisings: Remove

305 Harrowing

1. Location: All lawns
2. Timing: October or November, after top dressing
3. Operations: Aerate soil and remove worm casts.
4. Type of harrow: Chain harrow or drag mat.

307 Hollow tining

1. Location: Where drainage problems persist on recreational lawn areas
2. Timing: As necessary to relieve compaction
3. Depth: 100 mm

309 Edges to seeded areas

1. Location: Planting beds and around newly planted trees.
2. Timing: After seeded areas are well established.
3. Edges: Cut to clean straight lines or smooth curves. Draw back soil to permit edging.
4. Arisings: Remove.

381 Reinstatement of worn or damaged lawns

1. Worn or damaged areas: Make good by turfing or reseeding - obtain client approval first.
 - 1.1. Returfing standard: To BS 7370-3, Clause 12.2.
 - 1.2. Reseeding standard: To BS 7370-3, Clause 12.6.
2. Turf or seed: To match existing in appearance and quality.
3. Protection and watering: Provide as necessary to promote successful germination and/ or establishment.

Flower beds/ seasonal beddings

460 Beds of perennials or perennials and annuals

1. Plant supports: Stake and tie plants using bamboo canes and flower canes where required.
2. Gaps in planting: Refill by replanting.
3. Watering
 - 3.1. New plants: Before and after planting out.
 - 3.2. Ongoing: As necessary for the continued thriving of all planting.
4. Operations at end of growing season
 - 4.1. Trim: Older flowering stems of herbaceous perennials.
 - 4.2. Remove: Redundant plant supports, litter, debris and arisings.
 - 4.3. Cultivate: Fork over the soil, taking care not to cause undue disturbance to plants.
 - 4.4. Top dress: Apply Sanitized and stabilized compost top dressing.

470 Flower beds generally

1. Operations
 - 1.1. Remove: Dead flower heads, fallen leaves, litter and debris.
 - 1.2. Weeds: Thoroughly hand weed.
 - 1.3. Cultivate: Lightly hoe.
 - 1.4. Trim: Clip grass edges.
2. Fungicide: Not required
3. Insecticide: Not required

Shrubs/trees/hedges

500 Establishment of new planting

1. Duration: 12 months
2. Weed control
 - 2.1. Method: Keep planting beds clear of weeds by maintaining full thickness of mulch.
 - 2.2. Area: Maintain a weed free area around each tree and shrub, minimum diameter the larger of 1 m or the surface of the original planting pit.
3. Soil condition: Fork over beds to keep soil loose, with gentle cambers and no hollows. Do not reduce depth or effect of mulch.
4. Watering: As necessary to ensure successful establishment.

510 Tree stakes and ties

1. Inspection/ Maintenance times: As scheduled and immediately after strong winds
2. Stakes
 - 2.1. Replace loose, broken or decayed stakes to original specification.
 - 2.2. If longer than half of clear tree stem height, cut to this height in spring. Retie to tree firmly but not tightly with a single tie.
3. Ties: Adjust, refix or replace loose or defective ties, allowing for growth and to prevent chafing.
 - 3.1. Where chafing has occurred, reposition or replace ties to prevent further chafing.
4. Removal of stakes and ties: When instructed
 - 4.1. Fill stake holes with lightly compacted soil.

520 Refirming of trees and shrubs

1. Timing: After strong winds, frost heave and other disturbances.
2. Refirming: Tread around the base until firmly bedded.
3. 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.

537 Nesting wild birds

1. Survey: Before starting hedge or tree work during the period of February to August (inclusive), carry out a survey by a qualified ecologist and submit report
2. Accidental disturbance: Report immediately.

540 Pruning generally

1. Pruning: In accordance with good horticultural and arboricultural practice.
 - 1.1. Removing branches: Do not damage or tear the stem or bark.
 - 1.2. Wounds: Keep as small as possible and cut cleanly back to sound wood.

- 1.3. **Cutting:** Make cuts above and sloping away from an outward facing healthy bud, angled so that water will not collect on cut area.
- 1.4. **Larger branches:** Prune neither flush nor leaving a stub, but using the branch bark ridge or branch collar as a pruning guide.
2. **Appearance:** Thin, trim and shape each specimen appropriately to species, location, season, and stage of growth, leaving a well balanced natural appearance.
3. **Tools:** Use clean sharp secateurs, hand saws or other approved tools. Trim off ragged edges of bark or wood with a sharp knife.
4. **Disease or infection:** Give notice if detected.
5. **Growth retardants, fungicide or pruning sealant:** Do not use unless instructed.

545 Pruning of excessive overhang

1. **Timing:** As instructed
2. **Operations:** Remove growth encroaching onto grassed areas, paths, roads, signs, sightlines and road lighting luminaires.
3. **Special requirements:** None

550 Pruning of excessive height

1. **Timing:** As instructed
2. **Operations:** Remove excessive height As instructed.

555 Pruning trees and shrubs

1. **Standard:** To BS 7370-4.
2. **Special requirements:** Growth retardants not permitted

570 Formative pruning of young trees

1. **Standard:** Type and timing of pruning operations to suit the plant species.
2. **Time of year:** Do not prune during the late winter/ early spring sap flow period.
3. **Young trees up to 4 m high**
 - 3.1. **Crown prune** by removing dead branches and reducing selected side branches by one third to preserve a well balanced head and ensure the development of a single strong leader.
 - 3.2. **Remove duplicated branches** and potentially weak or tight forks. In each case cut back to live wood.
4. **Whips or feathered trees:** Do not prune.
5. **Operatives:** Approved specialist contractor

575 Pruning ornamental shrubs

1. **General:** Prune to encourage healthy and bushy growth and desirable ornamental features, e.g. flowers, fruit, autumn colour, stem colour.
2. **Suckers:** Remove by cutting back level with the source stem or root.

580 Pruning flowering species of shrubs and roses

1. **Time of year**
 - 1.1. **Winter flowering shrubs:** Spring.
 - 1.2. **Shrubs flowering between March and July:** Immediately after the flowering period.
 - 1.3. **Shrubs flowering between July and October:** Back to old wood in winter.
 - 1.4. **Rose bushes:** Early spring to encourage basal growths and a balanced, compact habit.

600 Trimming rapidly establishing hedges

1. **General:** Allow to reach planned height as rapidly as possible.
 - 1.1. **Form:** Trim back lateral branches moderately.

605 Trimming slowly establishing hedges

1. **Operations**
 - 1.1. **Timing:** Cut back hard in June and September to encourage bushy growth down to ground level.
 - 1.2. **Form:** Allow to reach planned dimensions only by gradual degrees, depending on growth rate and habit.

620 Removal of dead plant material

1. **Operations:** At the end of the growing season, check all shrubs and remove all dead foliage, dead wood, and broken or damaged branches and stems.

645 Weed control generally

1. **Weed tolerance:** At all times, weed cover less than 5% and no weed to exceed 100 mm high
2. **Adjacent plants, trees and grass:** Do not damage.

650 Hand weeding

1. **General:** Remove weeds entirely, including roots.
2. **Disturbance:** Remove the minimum quantity of soil, and disturb plants, bulbs and mulched surfaces as little as possible.
3. **Completion:** Rake area to a neat, clean condition.
4. **Mulch:** Reinstate to original depth.

655 Weed cutting by hand or machine

1. **Undesirable grass, brambles and herbaceous growth:** Cut down cleanly to a maximum height of 25 mm.
2. **Herbicides:** Remove arisings before application

657 Herbicide to kill regrowth

1. **Type:** Suitable foliar acting herbicide to kill regrowth.
2. **Timing:** Allow recommended period for herbicide to take effect before clearing dead weeds.

665 Weed control with winter herbicide

1. **Type:** Suitable residual soil acting herbicide.
2. **Time of year:** Unless otherwise agreed, complete before end of March.
3. **Timing:** Allow recommended period for herbicide to take effect before clearing dead weeds.

670 Weed control with summer herbicide

1. **Type:** Suitable foliar acting herbicide.
2. **Timing:** Allow recommended period for herbicide to take effect before clearing dead weeds.

680 Soil aeration

1. **Compacted soil surfaces**
 - 1.1. **Prick up:** To aerate the soil of root areas and break surface crust.

- 1.2. **Size of lumps:** Reduce to crumb and level off.
- 1.3. **Damage:** Do not damage plants and their roots.

690 Maintenance of loose mulch

1. **Thickness (minimum):** 75 mm
 - 1.1. **Top up:** Twice per year
2. **Mulch spill on adjacent areas:** Remove weeds and rubbish and return to planted area.
3. **Weeding:** Remove weeds growing on or in mulch by hand weeding.

700 Snow removal from shrubs/ trees

1. **Standard:** To BS 7370-4.
2. **Plants subject to snow removal:** As instructed
3. **Timing:** Within 24 hours of snowfall

705 Winter leaf removal

1. **Operations:** Collect leaves for removal
2. **Arisings:** Remove to recycling facility

Tree work

810 Tree work generally

1. **Identification:** Before starting work agree which trees, shrubs and hedges are to be removed or pruned.
2. **Protection:** Avoid damage to neighbouring trees, plants and property
3. **Standards:** To BS 3998 and Health & Safety Executive (HSE) 'Forestry and arboriculture safety leaflets'.
4. **Removing branches:** Cut vertical branches similarly, with no more slope on the cut surface than is necessary to shed rainwater.
5. **Appearance:** Leave trees with a well balanced natural appearance.
6. **Chain saw work:** Operatives must hold a Certificate of Competence.
7. **Tree work:** To be carried out by an approved member of the Arboricultural Association.

815 Additional work

1. **Defective, diseased, unsafe or weak parts of trees additional to those scheduled for attention:** Give notice if detected.

820 Prevention of wound bleeding

1. **Standard:** To BS 3998.

825 Prevention of disease transmission

1. **Standard:** To BS 3998.

830 Cleaning out and deadwooding

1. **Remove**
 - 1.1. Dead, dying, or diseased wood, broken branches and stubs.
 - 1.2. Fungal growths and fruiting bodies.
 - 1.3. Rubbish, windblown or accumulated in branch forks.

- 1.4. Wires, clamps, boards and metal objects, if removable without causing further damage and not part of a support structure that is to be retained.
- 1.5. Other unwanted objects, e.g. tree houses, swings.
- 1.6. Climbing plants Ivy where instructed.

835 Cutting and pruning generally

1. Tools: Appropriate, well maintained and sharp.
2. Final pruning cuts
 - 2.1. Chainsaws: Do not use on branches of less than 50 mm diameter.
 - 2.2. Hand saws: Form a smooth cut surface.
 - 2.3. Anvil type secateurs: Do not use.
3. Removing branches: Do not damage or tear the stem.
4. Wounds: Keep as small as possible, cut cleanly back to sound wood leaving a smooth surface, and angled so that water will not collect on the cut area.
5. Cutting: Cut at a fork or at the main stem to avoid stumps wherever possible.
6. Large branches: Remove only with prior approval
 - 6.1. Remove in small sections and lower to ground with ropes and slings.
7. Dead branches and stubs: When removing, do not cut into live wood.
8. Unsafe branches: Remove epicormic shoots and potentially weak forks that could fail in adverse weather conditions.
9. Disease or fungus: Give notice if detected. Do not apply fungicide or sealant unless instructed.

840 Crown reduction/ shaping

1. General: Cut back selectively to lateral or sublateral buds or branches to retain flowing branch lines without leaving stumps.
2. Operations: Reduce crown by 15%

845 Crown lifting

1. Clearances: Remove branch systems to give clearance.
 - 1.1. Height: 2.5 m above footpaths
2. Removing branches: Remove whole branches back to the stem, or cut lower portions of branches back to lateral or sublateral buds or branches. Do not leave stumps.

850 Crown thinning

1. Removing branches: Remove inward growing, crossing, rubbing, dead and damaged branches.
2. Thinning: Selectively remove secondary and small live branch growth evenly throughout the crown.
 - 2.1. Quantity: 20 %
3. Cutting: Make no cuts of more than 50 mm diameter.
 - 3.1. Branches: Cut back to lateral or sublateral buds or branches without leaving stumps.
4. Appearance: Leave a uniform and well balanced structure of branches and foliage.

855 Cutting tree roots

1. Excavating: Use hand tools only.
2. Protected area: An area 12 times the diameter of the tree trunk measured at chest height.
3. Outside protected area: Give notice of roots exceeding 50 mm in diameter. Do not cut without approval.

4. Cutting
 - 4.1. Cutting: Make clean smooth cuts with a hand saw.
 - 4.2. Wounds: Minimize. Avoid ragged edges.
 - 4.3. Finishing: Pare cut surfaces smooth with a sharp knife.
5. Backfilling
 - 5.1. Protection: Cover cut roots with clean sharp sand.
 - 5.2. Material: Backfill with original topsoil.

860 Removing trees, shrubs and hedges

1. Standards: To BS 3998 and Health & Safety Executive (HSE)/ Arboricultural and Forestry Advisory Group Safety Leaflets.
2. Existing services: Check for below and above ground services. Give notice if they may be affected.
3. Shrubs and smaller trees: Cut down and grub up roots.
4. Tree stumps
 - 4.1. Treatment: Remove mechanically to a minimum depth of 300 mm below ground level
 - 4.2. Removal by winching: Give notice. Do not use other trees as supports or anchors.
5. Protection: Avoid damage to neighbouring trees, plants and property
6. Work near retained trees: Where tree canopies overlap and in confined spaces generally, take down trees carefully in small sections to avoid damage to adjacent trees that are to be retained.
7. Filling holes
 - 7.1. Material: Use as-dug material and/ or imported soil as required.
 - 7.2. Finishing: Consolidate and grade to marry in with surrounding ground level.

865 Bark damage

1. Wounds
 - 1.1. Do not attempt to stop sap bleeding.
 - 1.2. Bark: Remove ragged edges using a sharp knife.
 - 1.3. Wood: Remove splintered wood from deep wounds.
 - 1.4. Size: Keep wounds as small as possible.
2. Liquid or flux oozing from apparently healthy bark: Give notice.

870 Cavities in trees

1. Investigation: Remove rubbish and rotten wood. Probe the cavity to find the extent of any decay, and give notice.
2. Water filled cavities: Do not drain.
3. Sound wood inside cavities: Do not remove.
4. Cavity openings: Do not cover

Water areas - Not Used

Hard landscape areas/fencing

900 Snow clearance

1. Clearance: When instructed
2. Deicing: To footpaths
 - 2.1. Material: Rock salt to BS 3247

2.2. Timing: When freezing precipitation is forecast

2.3. Application rate: Spread evenly at a rate of: As manufacturer's recommendations

910 Hard surfaces and gravel areas

1. Herbicide: Apply a suitable foliar acting or residual herbicide. Allow recommended period for herbicide to take effect before clearing arisings.
2. Hard surfaces: Remove litter, leaves and other debris.
3. Surface gutters and channels: Remove mud, silt and debris.
4. Drainage gullies: Empty traps and flush clean.
5. Gravel areas: Rake over. Remove weeds, litter, leaves and debris, and level off.
6. Repairs to flexible bituminous pavings: In accordance with the original paving specification or BS 7370-2, clause 4.12.
7. Stain removal: In accordance with BS 7370-2, table 4.

920 Fencing

1. Fences: Inspect and repair to maintain protection against stock.

930 Graffiti removal

1. Method: Detergent Pressure wash

Ω End of Section

Q40 Fencing

Fencing systems

220 Boundary Type B Concrete post and Concrete Panel Fence to Back Gardens

1. Description: Concrete Post and Panel Fence
2. Manufacturer: Contractor's choice
 - 2.1. Product reference: Fence Panel Plain Double Side
3. Performance: Curtilage Boundary
4. Precast concrete elements: To [BS EN 12839](#):2012
5. Height: 1800mm
6. Post spacing: 1800mm
7. Method of setting posts: As per Consulting Engineers design details and specification
8. Accessories: Timber panel fence as per Q40/250

220A Prefabricated timber panel fencing

1. Description: 1800mm x 1800mm timber trellis fixed to concrete panels
2. Manufacturer: Clonee Sawmills or equivalent
 - 2.1. Product reference: Castlewall Country Trellis. Product number: CCT6
3. Performance: Visual performance
4. Standard: To [BS 1722-11](#).
5. Type of infill:
6. Height: 1800mm
7. Verification:
 - 7.1. Submittals:
 - 7.2. Timing:

230 Boundary Type C 1.2m High Steel Railing

1. Description: 1.2m High Steel Railing
2. Manufacturer: Irish Fencing or equivalent
 - 2.1. Product reference: Irfen Solid Square Bar or equivalent
3. Performance: Accessibility performance
4. Standard: To [BS 1722-8](#), Type
5. Height: 1200 mm
6. Posts and bars
 - 6.1. Corner/ End posts: Square hollow section
 - 6.2. Intermediate bars/ Joiner posts: Square
 - 6.3. Finish: Hot-dip-galvanized to [BS EN ISO 1461](#)
 - 6.3.1. Colour: Submit proposals
 - 6.4. Maximum centres of posts: 2750mm
7. Method of setting posts
 - 7.1. Intermediate/ Joiner posts: As per engineers design detail and specification
 - 7.2. End and corner posts: Set in rammed earth to a minimum depth of

8. Accessories: Single-leaf gate
9. Verification:
 - 9.1. Submittals:
 - 9.2. Timing:

240 Boundary Type D 1.8m High Steel Railing

1. Description: 1.8m High Steel Railing
2. Manufacturer: Irish Fencing or equivalent
 - 2.1. Product reference: Irfen Solid Square Bar or equivalent
3. Performance: Accessibility performance
4. Standard: To [BS 1722-8](#), Type
5. Height: 1800 mm
6. Posts and bars
 - 6.1. Corner/ End posts: Square hollow section
 - 6.2. Intermediate bars/ Joiner posts: Square
 - 6.3. Finish: Hot-dip-galvanized to [BS EN ISO 1461](#)
 - 6.3.1. Colour: Submit proposals
 - 6.4. Maximum centres of posts: 2750mm
7. Method of setting posts
 - 7.1. Intermediate/ Joiner posts: As per engineers design detail and specification
 - 7.2. End and corner posts: Set in rammed earth to a minimum depth of
8. Accessories: Single-leaf gate
9. Verification:
 - 9.1. Submittals:
 - 9.2. Timing:

250 Boundary Type E Concrete Panel Wall

1. Description: Min.2m High Concrete Panel Wall
2. Manufacturer: Verti-Crete or Equivalent
 - 2.1. Product reference: Privacy Fence
3. Performance: Visual performance
4. Precast concrete elements: To [BS EN 12839](#).
5. Height: Min. 2000mm
6. Panel types: Solid reinforced precast concrete with patterned finish
7. Post spacing: 4000mm
8. Method of setting posts: As per consulting engineers design detail and specification.
9. Accessories:
10. Verification:
 - 10.1. Submittals:
 - 10.2. Timing:

Gates, posts and stiles

530 Boundary Type C Single Leaf Gate

1. Description: 1200mm High Steel Gate

2. Manufacturer: Irish Fencing or Equivalent
 - 2.1. Product reference: G-0101 Generic Single Leaf
3. Performance: Security performance
4. Standard
 - 4.1. Domestic gates: To [BS 4092-1](#).
 - 4.2. Steel palisade gates: To [BS 1722-12](#).
5. Finish: mild-steel galvanised
 - 5.1. Colour: Submit proposals
6. Jointing: Welded.
7. Fittings: Two self-closing adjustable hinges, cushioned slam plate and automatic catch
 - 7.1. Finish:
8. Method of setting posts: As per consulting engineers design detail and specification
9. Accessories:
10. Verification:
 - 10.1. Submittals:
 - 10.2. Timing:

530A Boundary Type C Double Leaf Gate

1. Description: 1800mm High Steel Gate
2. Manufacturer: Irish Fencing or Equivalent
 - 2.1. Product reference: G-0201 Generic 4m Swing Double Leaf
3. Performance: Security performance
4. Standard
 - 4.1. Domestic gates: To [BS 4092-1](#).
 - 4.2. Steel palisade gates: To [BS 1722-12](#).
5. Finish: mild-steel galvanised
 - 5.1. Colour: Submit proposals
6. Jointing: Welded.
7. Fittings: Two self-closing adjustable hinges, cushioned slam plate and automatic catch
 - 7.1. Finish:
8. Method of setting posts: As per consulting engineers design detail and specification
9. Accessories:
10. Verification:
 - 10.1. Submittals:
 - 10.2. Timing:

Accessories

635 Surface Mounted Locks

1. Description: Surface Mounted Locks
2. Manufacturer: Locinox or equivalent
 - 2.1. Product reference: LAKQU2 or equivalent
3. Type: Surface Mounted
4. Mechanism:
5. Number of transmitters:

6. Accessories:
7. Verification:
 - 7.1. Submittals:
 - 7.2. Timing:

636 Gate Keep

1. Description: Gate Keep
2. Manufacturer: Locinox or equivalent
 - 2.1. Product reference: SAKLQF or equivalent
3. Type: Surface Mounted
4. Mechanism:
5. Number of transmitters:
6. Accessories:
7. Verification:
 - 7.1. Submittals:
 - 7.2. Timing:

640 Mammoth Hinge

1. Description: Mammoth Hinge for Gates
2. Manufacturer: Locinox or equivalent
 - 2.1. Product reference: MAMMOTH-HD or equivalent
3. Type: Surface Mounted
4. Mechanism:
5. Number of transmitters:
6. Accessories:
7. Verification:
 - 7.1. Submittals:
 - 7.2. Timing:

Execution

710 Installation generally

1. Set out and erect
 - 1.1. Alignment: Straight lines or smoothly flowing curves
 - 1.2. Tops of posts: Following profile of the ground
 - 1.3. Setting posts: As per consulting engineers design detail and specification
 - 1.4. Fixings: All components securely fixed. As per manufacturers recommendations.

720 Setting posts in concrete

1. Standard: To [BS 8500-2](#).
2. Mix: As per consulting engineers design detail and specification

780 Making good galvanized surfaces

1. Treatment of minor damage (including on fasteners and fittings): Low melting point zinc alloy repair rods or powders made for this purpose, or at least two coats of zinc-rich paint to [BS 4652](#)
2. Thickness:

Completion

910 Cleaning

1. General: Leave the works in a clean, tidy condition
2. Surfaces: Clean immediately before handover

920 Fixings

1. All components: Tighten
 - 1.1. Timing: Before handover

930 Gates

1. Hinges, latches and closers: Adjust to provide smooth operation. Lubricate where necessary.
 - 1.1. Timing: Before handover.

Ω End of Section

Q50

Site/ street furniture/ equipment

Gates, barriers and parking controls - Not Used

Site and street furniture

210 Cycle stands

1. Manufacturer: [Pittman™](#)
 - 1.1. Contact details
 - 1.1.1. Address: Unit 2 Block B
Athy Business Campus
Athy
Co. Kildare
Ireland
R14 PK74
 - 1.1.2. Telephone: [+353 1 5312777](tel:+35315312777)
 - 1.1.3. Web: <https://www.pittman.ie>
 - 1.1.4. Email: sales@pittman.ie
 - 1.2. Product reference:
2. Type: Single stands
3. Material: Stainless steel
 - 3.1. Finish: Hot-dipped galvanised
4. Method of fixing: to consulting engineers design detail and specification

225 Seats

1. Description: Oak Timber Seat
2. Manufacturer: Omos or equivalent
 - 2.1. Product reference: v55 Green Oak and Corten Seat or equivalent
3. Material: Timber Oak and Corten Steel
4. Size: 3000mm long
5. Accessories/ Special requirements: 1nr. arm rest and backrest
6. Method of fixing: to manufacturers recommendations

240 Litter bins

1. Description: Litter bin made from 3 and 4mm s355 powder coated steel, hot dipped galvanized mild steel throughout or 316 grade stainless steel body, hood with RHS chassis. Discreet integrated ashtray.
2. Manufacturer: Omos or equivalent
 - 2.1. Product reference: s16.2 litter bin or equivalent
3. Material: Galvanised mild steel
 - 3.1. Finish: Hot-dip galvanized to BS EN ISO 1461
 - 3.2. Colour: Submit proposal for landscape architects approval
4. Accessories/ Special requirements:
5. Method of fixing: to manufacturers recommendations

350 Nesting boxes

1. Description: Nesting Box for birds
2. Manufacturer: Genesis Nest Boxes or equivalent
 - 2.1. Product reference: 'Swift Nest Box' or equivalent
3. Material: CMC board
 - 3.1. Finish:
 - 3.2. Colour: painted to specif RAL colour. Submit proposals for approval by landscape architect
4. Size:: 28.5 x 64mm
5. Accessories/ Special requirements:
6. Method of fixing: to manufacturers recommendations

Installation

510 Concrete foundations generally

1. Standard: To BS 8500-2.
2. Concrete: to consulting engineers design detail and specification
3. Admixtures: Do not use.
4. Foundation holes: Neat vertical sides.
5. Depth of foundations, bedding, haunching: to consulting engineers design detail and specification

515 Setting components in concrete

1. Holes:
2. Components: Accurately positioned and securely supported.
3. Concrete fill: Fully compacted as filling proceeds.
4. Concrete foundations exposed to view: Compacted until air bubbles cease to appear on the upper surface, then weathered to shed water and trowelled smooth.
5. Temporary component support: Maintain undisturbed for minimum 48 hours.

550 Damage to galvanized surfaces

1. Minor damage in areas up to 40 mm² (including on fixings and fittings): Make good.
 - 1.1. Material: Low melting point zinc alloy repair rods or powders made for this purpose or at least two coats of zinc-rich paint to BS 4652.
 - 1.2. Thickness: Sufficient to provide a zinc coating at least equal to the original layer.

560 Site painting

1. Timing: Prepare surfaces and apply finishes as soon as possible after fixing.

Ω End of Section



Specification created using NBS Chorus