



LANDSCAPE 'HARD' MATERIALS - OUTLINE SPECIFICATION KEY	
	SuDS PAVING: PERMEABLE GRAVEL PARKING AREA Locally sourced permeable surfacing of 'Ballyusk' golden gravel 10mm down to dust, edged with natural stone sets to act as drainage channel and kerbing. Gravel aggregates to be laid on 'Nidagravel 130' or equivalent approved gravel stabilisation grid for paths, driveways and car parks. Certify pyrite-free. In pedestrian areas, edge with L-shaped aluminium 'Permaloc' edging trim on 200x300mm continuous C20P concrete races, surfacing to be suitable to be trafficked with wheelchairs, mobility devices and buggies.
	SuDS PAVING: PERMEABLE PEDESTRIAN PAVING Pre-cast concrete paving 80mm depth, random width and length 'Pembroke Eco' in Grand Silver Granite finish in 5-size mix by Kilsaran to gathering space, paths and patios. Paving to be open jointed with 'SUDSFLOW' plastic spacers filled with 3mm down to dust jointing grit to free-draining bedding & sub-base to engineer's design, detail and specification. Edge with L-shaped aluminium edging trim on C20P concrete races 200x300mm with 50mm continuous concrete dab.
	PERMEABLE PAVING: NATURAL STONE SETTS CE-marked pineapple-textured natural stone sett paving min. 100mm depth, sawn all sides and laid in a flexible-type construction to provide durable and quality pavement as well as edging to gravel surfaced areas which will be traversed by vehicles, to meet BS 7533-101:2021 and BS 7533-7:2010. Manufactured to EN 1342.
	SuDS PAVING: CHANNEL DRAIN AT SITE ENTRANCE Approved ladder channel drain cover at site entrance 'Wedge Heelmesh Grating - KWHMG150' by Kent Stainless or EQA, barefoot pedestrian heelproof grating, load class A, 150x100x25mm deep Grade 316L stainless steel grating
	STREET FURNITURE - GREEN ROOFED BIN DOCK 'Bin Dock' by Front Yard Company UK, with aluminium roof- + end-frames polyester powder-coat painted (top coat 'Spring Forest Green'), polyethylene roof tray liner for green roof (w=200kg), FSC larch posts; SS cables for climbing plants; slatted spruce (wood FSC certified) panels for ends. Dimensions 2.01Lx0.83Dx1.3Hm to fit no. 140L or 240L bins. Brass rainwater outlets and aluminium rain chains.
	BOULDERS: ROUNDED GLACIAL ERRATIC BOULDERS Rounded glacial erratic boulders (granite or sandstone) of variable size with either chamfered smooth edges or natural rounded shapes, depressed in the landscape finish to 0.30-0.40m depth
	CUSTOM-BUILT COMMUNAL BBQ: Modular system steel kitchen in 3 segments 1.80m x 1.30m height and 0.60m deep by WWO or equivalent approved with gas bbq, sink and storage cabinet. Supply water and power, waste connection. Foundations to engineer's design detail and specification.
	SuDS DRAINAGE STRIP AT ROOF/PARAPET INTERFACE & WALL/PLANTER INTERFACE 300-500mm width, 100-300mm depth layer of 10-20mm diameter washed and graded pea gravel pebble <ul style="list-style-type: none"> 300mm D at base of building elevations or walls, edged with L-shaped aluminium edging trim; 100mm D at parapets & roof/wall junctions edged with proprietary Bauder or EQA aluminium green roof trim
	REFLECTING POOL: 0.40m height 0.90m width 2.40m length textured-finish low-carbon concrete water feature table (reflecting pool type) with integrated low bubble-jet fountain and perch seating end. Water to be self-circulating, with electrically powered pump concealed in sub-base. 2 water connections & overflow pipe. Integrated 2-pin pump (outdoor socket required) & LED lighting.
	AMENITY GRASS LAWN Area to be leveled and multi-purpose grade topsoil spread to provide a multi-use hard-wearing lawn suitable for amenity play by children. Provide 0.25m depth multi-purpose grade topsoil to lawns; seed with a hard-wearing amenity non-rye grass seed mix by Coburns and mow regularly. Lay topsoil on free-draining sub-soil to ensure area does not become water-logged for long intervals. Area to be slightly depressed at slope 1:3 to freeboard to 0.20m depth below finished level of adjacent paving to allow temporary inundation of cloud-burst rainwater if required.
	PAVING: IN-SITU CONCRETE Footpaths & vehicular cross-overs in public realm surfaced with concrete paving to SDCC RMS standards and detail with cross-over, kerb and haunching to engineer's design detail and specification. Saw-cut joints at max 3.00m centres. 'White' coloured in-situ concrete (low-carbon with Ecocem GGBS and larger sized rounded aggregates in concrete mix) with exposed aggregate surface retarder ('Pieri' by Grace Construction Products) finish and slip-form 'straight-edge' treatment to edges, all to engineer's design detail and specification. Concrete with Ecocem, GGBS and local rounded aggregates. 210mm depth without reinforcement; min. 150mm depth with mesh, all above to engineer's design detail and specification. All works and finishes in public realm to be agreed with local authority by means of condition or compliance.
	PROPRIETARY SuDS TREE PITS (TP-01, TP-02, TP-03, TP-04) Tree planting in proprietary SuDS tree pits with appropriate accessories including ventilation and irrigation pipe 3.00m, T-piece irrigation inlet installed around guyed rootball. Rootballs to be guyed using proprietary 'ArborGuy' system. Root restricting membrane to line all sides of pits. No services runs to be laid in tree pits. Proprietary stormwater management system 'ArborFlow' by GreenBlue Urban with modular 'RootSpace' soil cells filled with 'RootSoil Hydro' and appropriate root management systems and details, or equivalent approved. 20% soil by volume, all to engineer's design detail and specification.
	RAIN-GARDEN PLANTER BEDS Blue dashed line indicates extent of 200mm depth 'free-board' areas to planter beds designated as 'rain-gardens'. Provide 50mm depth non-organic mulch to top planter, 600mm depth rain garden/bio-retention filter media/topsoil e.g. 'Bioretention Soils' by Enrichie; min. 100mm depth filter layer of pea gravel on geotextile; and 500mm depth of drainage layer/sub-soil (min. 100mm depth in areas where excavations are limited). Detail design by consulting civils engineers to all drainage elements.

'SOFT' LANDSCAPE MATERIALS - OUTLINE SPECIFICATION KEY	
	Levels, site entrance, flexibilities, road crossings and associated tactile paving details, levels, paving bedding + sub-bases, geotextiles etc to engineers' and architects' design detail and specification. 18-month long landscape maintenance and Defects Liability Period required LA-certified post-Practical Completion. The planting stock must be sourced from a reputable supplier and be of Irish origin/provenance. Planting material where possible should be native and/or pollinator friendly Irish Grown Nursery Stock. The importation of foreign planting material should be avoided within the proposed planting scheme. Trees to be minimum 18-20cmg at planting.
	PLANTER BEDS GENERALLY Rip subsoil to a depth of min. 750mm from finished landscape levels. Min. depth of subsoil 450mm. Cultivate the planting beds with three passes of a rotavator. Topsoil operations only to be carried out during favourable working conditions. No bare-root (BR) trees, transplants or hedge plants permitted outside the planting season, October-March. Work in 100mm depth multi-purpose organic compost to multi-purpose grade topsoil to BS:3882 on depth free-draining subsoil. Top with min. 75mm settled depth medium-grade mulch topping to suppress weed growth. All amenity planter beds to be depressed to accommodate occasional inundation events.
	PERENNIAL PLANTING - CG p8, 1L, 2L 3-9/m² density Moisture-tolerant perennial pollinator-friendly container-grown plants to planter beds with a diverse mix of ornamental grasses, bulbs, corms, ferns, ground-cover plants, sedums and flowering perennials of both native cultivars and exotic species to ensure a pollinator-friendly planting mix in line with the 'National Pollinator Plan'. These plants should establish quickly requiring minimised maintenance.
	PERENNIAL PLANTING TYPES + MIXES Moisture-tolerant perennial pollinator-friendly container-grown plants to planter beds with a diverse mix 70:30 ratio of ornamental grasses, bulbs, corms, ferns, ground-cover plants, sedums to flowering perennials of both native cultivars and exotic species to ensure a pollinator-friendly planting mix in line with the 'National Pollinator Plan'. These plants should establish quickly requiring minimised maintenance.
	DRIFTS OF NATURALISED BULB PLANTING plug-planted with top size 5/6 bulbs <i>Crocus</i> vars., <i>Galanthus nivalis</i> , <i>Allium ursinum</i> , <i>Anemone nemorosa</i> , <i>Hyacinthoides non-scripta</i> , <i>Eranthis x isabellina</i> , <i>Kniphofia caulescens</i> etc., variety and species depending on soil type and landscape conditions
	H1 - NEW HORNBREAM CONTAINER-GROWN HEDGEROW <i>Carpinus betulus</i> (Hornbeam) 1.00-1.20m ht. bare-root whips, bushy to base in double staggered row, with 2 planted per 500mm length. Provide 75mm depth, 1200mm width, medium-grade bark mulch topping to reduce future weed growth at base. Cut hedge to 1.00m ht after planting to ensure an even height along the hedgerow.
	TREE PLANTING GENERALLY All tree pits to be approved by Landscape Architect prior to planting. All trees near paths to have a min. 2.50m ht clear stem unless otherwise specified as multi-stemmed or feathered trees, to ensure clear visibility for pedestrians. Trees triple-staked or double-staked & supplied with planting accessories as per Planting Details as per BS5837:2012 + LA's Planting Details. Root barriers to be provided to all trees within 2.00m of underground services, foundations or walls. Trees planted in excavated tree pits, desired pit area approx 4.0m², 1.0m depth. No services routes to be planned through tree-pits. Appropriate Plant Passports to be provided for trees. Trees to have been grown in an Irish nursery, not imported. All trees specified are pollinator-friendly and selected for their climate-resilient properties.
	HEAVY STANDARD TREES (DECIDUOUS POLLINATOR) <ul style="list-style-type: none"> <i>Bn</i> (River Birch) <i>Betula nigra</i> 'Heritage' 4xtr 20-25cmg, 2.00m ht. clear-stem <i>Cp</i> (Hornbeam) <i>Carpinus betulus</i> 4xtr 18-20cmg, 2.00m ht. clear-stem
	MULTI-STEMMED TREES, LARGE SHRUBS & SMALL TREES <ul style="list-style-type: none"> <i>Al</i> <i>Amelanchier canadensis</i>, 2xtr/wrb/2.50-3.00m ht. <i>Bn</i> <i>Betula nigra</i> 'Heritage', 2xtr/wrb/2.50-3.00m ht. <i>Hi</i> <i>Hamamelis intermedia</i> 'Jelena', 2xtr/wrb/2.00-2.50m ht. <i>Au</i> <i>Arbutus unedo</i>, 2xtr/wrb/2.00-2.50m ht.
	WALL GREENING SYSTEM 316 grade stainless steel trellis system INOX by Jakob or equivalent approved 'Webnet Green Wall' wire mesh or 'Jakob Green Wall' cable rope and rod system. Planted weight of both systems 20-30kg/m², rainscreen fixed to the building elevation. Each component made of AISI 316 L 1.4401 and AISI 316L 1.4404. Plant self-twining climbing plants at 0.5m centres at base of trellis system.
	BIODIVERSITY ELEMENTS: HABITATS & BOULDERS 'Wings' by Vestre model 5283C combination 3 bird boxes of different sizes and integrated insect hotel mounted on a pole. Hot-dip galvanised steel, powder-coated with RAL colour to selection.

- NUMBERED KEY TO LANDSCAPE PLAN**
- Green-roofed (150-200mm depth growing medium to semi-intensive planting) bin storage shelter dock to accommodate 3 no. bins
 - New front garden trees (deciduous *Betula nigra* River Birch spp) suitable for installation in 'rain garden' areas. Trees to have been grown in Ireland, and planted into constructed SuDS tree pits
 - New hedgerow planting of *Carpinus betulus* (Hornbeam) container-grown hedging plants, to mature to a neat clipped form, planted into prepared planting trench of multi-purpose topsoil min 0.50m depth on free-draining subsoil.
 - 'Flexibly-laid' salvaged natural stone sett paving laid to vehicular manoeuvring area (circular economy reason). Channel drain at vehicular site entrance to prevent surface water discharging 'Permeable' paving of granite-aggregate finish concrete flag paving to dwelling entrances and patios, 'Pembroke' by Kilsaran A-rated GGS for BREEAM product. Lay with 'SUDSFLOW' paving spacers to ensure permeability is maintained.
 - 'Permeable' paving of 'Nidagravel' honeycomb gravel grid to parking spaces, filled with golden-coloured locally sourced e.g. 'Ballyusk' angular gravel, suitable for trafficking by wheelchairs.
 - Ornamental grass and perennial planting with multi-stemmed decorative trees
 - 'Hedge-in-the-sky' pleached Hornbeam tree planting to rear gardens to screen views in/out
 - Short-cut amenity grass lawn (seeded or turfed) on 0.25m depth multi-purpose grade topsoil on 0.60m depth free-draining subsoil

Additional Information
Planning Ref: SD22A/0466
July 2023



landscape design services

LANDSCAPE ARCHITECTS & CONSULTANTS

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PROJECT: PROPOSED DEVELOPMENT AT TEMPLEVILLE DRIVE, TEMPLEGUE, DUBLIN 6W, CO. DUBLIN	
CLIENT: BARRY & SUSANNE COLEMAN	PROJECT ARCHITECTS: COLIN MACKAY MRIA
JOB NO.: 23_235	PLANNING PERMISSION REF: SD22A/0466
DRAWING: SITE LAYOUT & LANDSCAPE MASTER PLAN - GROUND LEVEL	
DRAWING NO.: 23_235-PDF-01	REVISION: A
DRAWN BY: J COUGHLAN	CHECKED: COLM KENNY
STATUS: IN PROGRESS	SCALE: 1:200 @ A3
FIRST ISSUED: 2023-07-12	THIS ISSUE: 2023-07-25
NOTES: All dimensions are in millimeters unless otherwise stated and shall be checked and confirmed by the contractor on site. Any discrepancies shall be immediately reported to the landscape architect. Work to figured dimensions only. Do not scale from drawing. Not for Construction Purposes unless specifically marked.	
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LANDSCAPE MASTERPLAN - GROUND FLOOR
SCALE 1:200@A3