LANDSCAPE MASTERPLAN - ROOF LEVEL
SCALE 1:200@A3

PODIUM ROOF BIODIVERSE BLUE-GREEN ROOF
HARD LANDSCAPE MATERIALS - OUTLINE SPECIFICATION KEY
Levels, fall arrest systems, parapets, geotextiles, drainage channels, maintenance access, inspection chambers, gullies, stormwater attenuation, etc to engineers' and architects' design detail and specification.

FIREBREAK & DRAINAGE STRIP: 300-500mm width, min. 150mm depth layer of 10-40mm diameter washed and graded pea gravel, along parapets 300mm and at base of elevations and roof penetrations 500mm, proprietary edging to separate growing mediums and planting from pebble fire-break. Specification to comply with FLL/GRO standards and act as a fire-break. Install with proprietary perforated gravel guard to protect the fillet and roofing membranes at the roof/parapet junction.

'SEMI-INTENSIVE' BIO-DIVERSE TYPE BLUE-GREEN ROOF: blue-green roof with attenuation layer specified to building roofs to civil engineer's design detail and specification, with undulating 150-250mm lightweight bio-diverse growing medium depth, wildflower/rough grass pre-grown mat with additional plug plants and wildlife-friendly features

- Semi-intensive wildflower meadow/rough grass turf on an FFL-compliant lightweight growing medium 'biodiverse substrate' (1.2 tonnes per m³ weight, 35% volume water storage capacity) on polypropylene filter fleece on 40mm depth water retention and drainage layer (made of recycled polyethylene) laid on proprietary protection layer and separation layer. Proprietary system edge and drainage trims and inspection chambers.
- Specified planting on Bauder or EQA FLL 'semi-intensive' growing medium + Bauder 'egg-crate' build-up to planters: 200mm depth FLL Semi-Intensive Substrate lightweight growing medium, ca. 1250kg/m³ on FLL 1mm polypropylene filter fleece, ca. 105g/m² on FLL 40mm expanded polystyrene drainage board, ca. 0.65kg/m³ on FLL 4mm polyester & polypropylene fibre mix protection mat, ca1.1kg/m² on FLL 2 layers 0.2mm polyethylene foil separation layer, ca. 190g/m².
- All above by Bauder or equivalent approved.

EXTERNAL TAP FOR WATERING OR IRRIGATION POINT:
On green roofs, this symbol indicates an indicative location for a Hose Bib Tap based on a 30.00m hose reach, and/or an automatic drip-fed irrigation point with a lockable water stand point with hose attachment. All to engineer's design detail and specification.
Insulated to prevent freezing. Automated drip-fed pop-up irrigation system by Irritec or equivalent approved, fed from special water tank, inspection chambers & drainage gullies by Bauder or EQA. Provide 1 no. watering tap to each space.

BIODIVERSITY ROOF ELEMENTS :

- Small boulders & rock piles: rounded glacial granite erratic boulders with chamfered smooth or rounded edges to mound together to form rock piles and rain-filled bird baths. Sharp edges deburred. Boulders of 0.25-0.5m diameter set 0.10-0.20m deep into landscape finish and fixed securely. No sharp edges to stones.
- Planed smooth hardwood tree trunks laid to create log piles formed from trunks and logs to provide a habitat for wildlife.
- Variety of features such as hollow log piles, different substrate types such as low (350mm ht.) mounds of sand and rubble, piles of cleaned bricks (max 350mm ht.), piles of local cobbles in mounds (max 350mm ht.), different vegetation layers and spaces for shelter such as nesting boxes, insect hotels & a small 0.60mØ dew pool

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 drilled for hosting solitary bees and wasps; SS cables for climbing plants; slatted spruce (wood FSC certified) panels for ends. Dimensions 2.01Lx0.83Dx1.3Hm to fit 3 no. 140L or 240L bins. Brass rainwater outlets and aluminium rain chains.

Additional Information
Planning Ref: SD22A/0466
July 2023

landscape design services
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PROJECT	PROPOSED DEVELOPMENT AT TEMPLEVILLE DRIVE, TEMPLEOGUE, DUBLIN 6W, CO. DUBLIN
CLIENT: BARRY & SUSANNE COLEMAN	PROJECT ARCHITECTS: COLIN MACKAY MRIAI
JOB NO.: 23_235	PLANNING PERMISSION REF: SD22A/0466
DRAWING	SITE LAYOUT & LANDSCAPE MASTER PLAN - ROOF LEVEL

DRAWING NO.: 23_235-PDFI-02		FIRST ISSUED: 2023-07-13
DRAWN BY: J COUGHLAN MRIAI MLI	CHECKED: COLM KENNY MLI	THIS ISSUE: 2023-07-25
STATUS: IN PROGRESS	SCALE: 1:200 @ A3	REVISION: A

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 architects. Work to figured dimensions only - Do not scale from drawing. Not for Construction Purposes unless Specifically Marked.