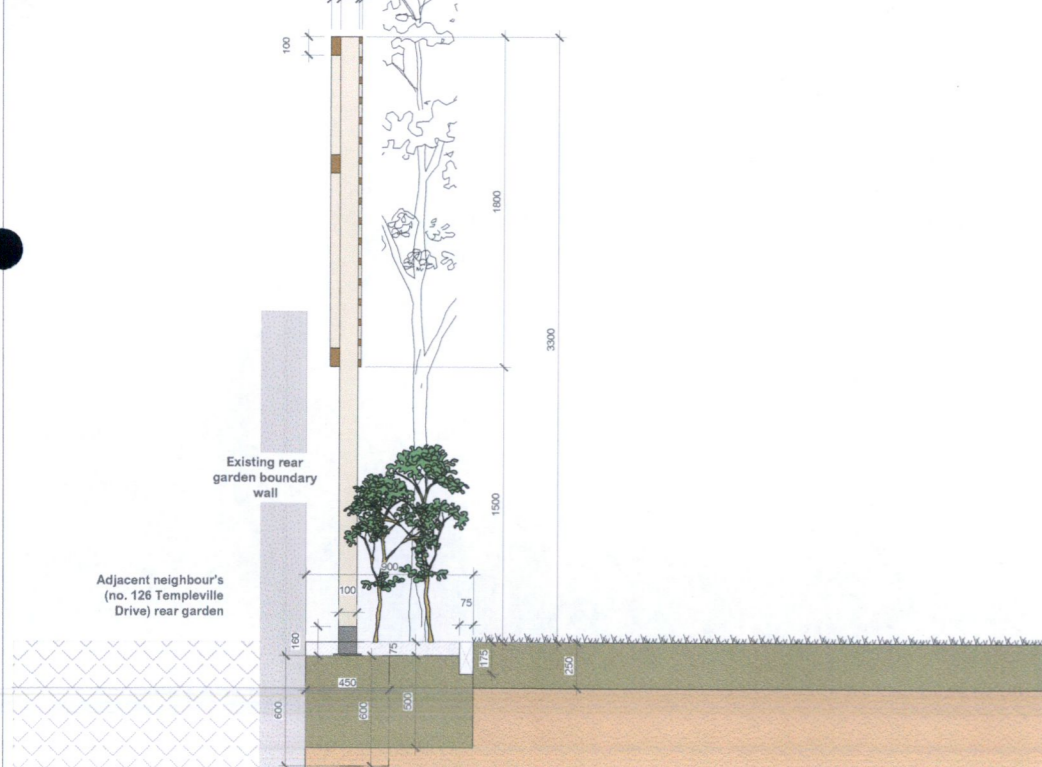


PROPOSED WALL GREENING SYSTEM (TRELLIS) APPLIED TO CERTAIN ELEVATION WALLS OF PROPOSED DWELLINGS

- Refer to architect's elevation drawings and to landscape plans where locations are illustrated
- 'Green Guide Rod and Rope' tensioned wire 'Iron Line' stainless steel trellis system by Jakob or equivalent approved, 'Rope Style F4'. For wall mounting on wood, hollow walls, concrete or external insulation.
- Material: Rope AISI 316 grade stainless steel, fittings AISI 316L 4mm Ø stainless steel wire rope in grid formation with fixings at 400mm intervals, proprietary end caps.
- Horizontal rod 3.7mm diameter, 'Greenguide' spacer and swaged

(ABOVE) WALL GREENING SYSTEM SCALE 1:20@A1

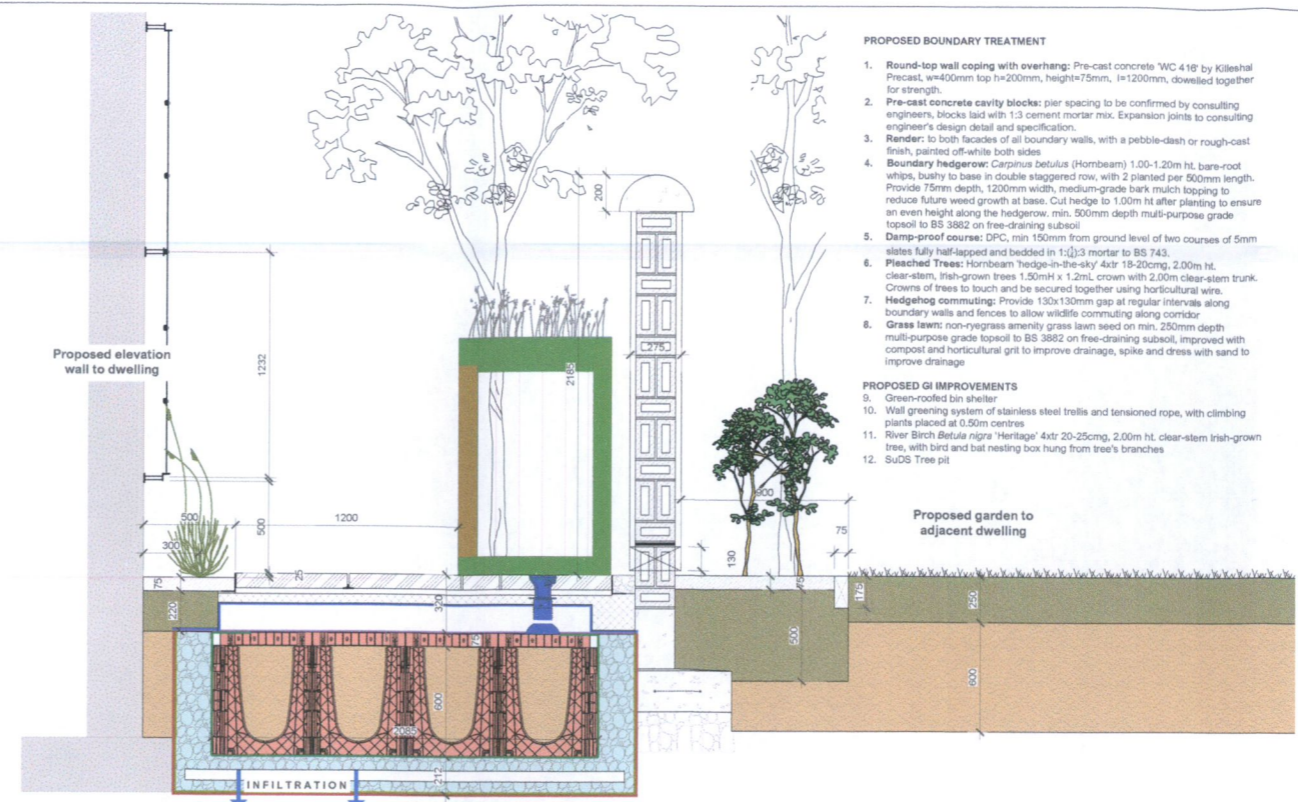
(BELOW) TRELLIS SCREEN, PLEACHED TREES AND HORNBEAM HEDGEROW ALONG BOUNDARIES SCALE 1:20@A1



PROPOSED REAR GARDEN BOUNDARY TREATMENT ALONG BOUNDARY WITH NO. 126

- Screen trellis to full length of existing rear garden boundary walls in proposed garden, with vertical support posts
- All softwood timber to be pressure-treated and planed smooth
- All screws, staples, hinges, latchse and fixings to be twice hot-dip galvanised. All nail gun nails to be AISI 316 stainless steel.
- All pressure-treated softwood above finished ground levels to be stained black with Cuprinol 'Timbercare' or equivalent approved

- Existing rear garden boundary wall with adjacent property 800x2400mm pressure-treated planed support 'decking' posts or 95x95x3800mm pressure-treated rough-sawn timber planed smooth at 1.80m intervals, (available from www.goodwins.ie), stained black with Cuprinol 'Timbercare', and strapped back to
- existing wall with min. 2 no. galvanised strape + bolts
- 7.80x1.80m 'paran' 'closed square' Trellis Panels' by Woodson or EGA FSC larch slats, planed all round and fully pressure-treated, mounted at 1.50m base height off finished garden level as screening and for climbing plant support. Square size - 75mm. Lath size - 35 x 18mm. Trellis to be used to provide screening along site boundaries where required.
- Pleached trees: Hornbeam 'hedge-in-the-sky' 4xtr 18-20cmg, 2.00m ht. clear-stem, Irish-grown trees 1.50mH x 1.2mL crown with 2.00m clear-stem trunk. Crowns of trees to touch and be secured together using horticultural wire.
- Approx 450x600x800mm C20P concrete foundations at 1.80m centres to support posts, bolt-down anchors to be bolted into
- min. 500mm depth multi-purpose grade topsoil to BS 3882 on free-draining subsoil
- 100x100x150mm bolt-down hot-dip galvanised anchor
- 100x44mm pressure-treated softwood timbers (available from www.goodwins.ie) to act as stabilising top and bottom rails and cross-bracing (at rear). Fix with 2 no. min 85mm long galvassisted steel screws to each support post, and plane smooth on exposed face to neighbour's garden if rough-sawn.
- Pressure-treated larch limber edging to hedge planter, twice nailed with hot-dip galvanised nails/screws to 50x50x750mm weathered slates driven at 1200mm centres. Double stakes at changes in direction and at corners. Fix a 600mm long bracing nailed to inside of timber edge, 25mm below top of edging, at 1200mm centres.
- 75mm medium-grade bark mulch topping to amenity planting non-ryegrass amenity grass lawn sown on min. 250mm depth multi-purpose grade topsoil to BS 3882 on free-draining subsoil, improved with compost and horticultural grit to improve drainage, spike and dress with sand to improve drainage



PROPOSED BOUNDARY TREATMENT

- Round-top wall coping with overhang: Pre-cast concrete 'WC 416' by Killeshal Precast. W440mm top W200mm, height 75mm, L=1200mm, dowelled together for strength.
- Pre-cast concrete cavity blocks: pier spacing to be confirmed by consulting engineers, blocks laid with 1:3 cement mortar mix. Expansion joints to consulting engineer's design detail and specification.
- Render: to both facades of all boundary walls, with a pebble-dash or rough-cast finish, painted off-white both sides.
- Boundary hedgerow: *Carpinus betulus* (Hornbeam) 1.00-1.20m ht. bare-root whips, bushy to base in double staggered row, with 2 planted per 600mm 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. min. 500mm depth multi-purpose grade topsoil on free-draining subsoil
- Damp-proof course: DPC, min 150mm from ground level of two courses of 5mm slates fully lapped and bedded in 1:3 mortar to BS 742.
- Pleached Trees: Hornbeam 'hedge-in-the-sky' 4xtr 18-20cmg, 2.00m ht. clear-stem, Irish-grown trees 1.50mH x 1.2mL crown with 2.00m clear-stem trunk. Crowns of trees to touch and be secured together using horticultural wire.
- Hedgerow edging: Provide 130x130mm gap at regular intervals along boundary walls and fences to allow wildlife commuting along corridor
- Grass lawn: non-ryegrass amenity grass lawn sown on min. 250mm depth multi-purpose grade topsoil to BS 3882 on free-draining subsoil, improved with compost and horticultural grit to improve drainage, spike and dress with sand to improve drainage

PROPOSED GI IMPROVEMENTS

- Green-roofed bin shelter
- Wall greening system of stainless steel trellis and tensioned rope, with climbing plants placed at 0.50m centres
- River Birch *Betula nigra* 'Heritage' 4xtr 20-25cmg, 2.00m ht. clear-stem Irish-grown tree, with bird and bat nesting box hung from tree's branches
- SuDS Tree pit

PACKAGE INCLUDES THE FOLLOWING GREENBLUE® URBAN PRODUCTS PER TREE

- 'RootSpace' @ 600mm depth (1 unit deep) C/W twin walled GeoNet and open reinforcing mesh - GBURS61A
- 'ArborSoft' Hydro bio-retention soil for use within SuDS applications - Arborsoft Hydro
- 'RootStart' Professional Mycorrhiza Fungi - allow 200g's per tree RSPM2.5LA applied to rootball area of planted tree
- 'RootBall ArborVest' cast aluminium trafficable ventilation inlet with 150mm square top and manifold - RRARBV150B
- Twin-walled structural GeoNet included in item 1 (see note 1) - GLTWG1A
- 20mm open reinforcing mesh included in item 1 (see note 1) - GRN20A
- 'ArborGuy' anchor/strapped anchor system SASAP06A to rootball of tree

h. 'RootRain' urban irrigation system - RRURB1A to encircle tree rootball

- 'ReRoot' 600' root barrier 600mm deep with root-deflecting ribs. Use RERJTA ReRoot jointing tape for any overlaps - RER800A.
- 'Arborsoft' load-bearing units 800x400x150mm with clips - GBUBC150A
- Close weave mesh for use within SuDS applications - GBUCWMA
- 10-20mm clean angular drainage aggregate - GBUDRSA
- Hessian biodegradable filter sheet for use within SuDS applications - GBUHESA

engineer

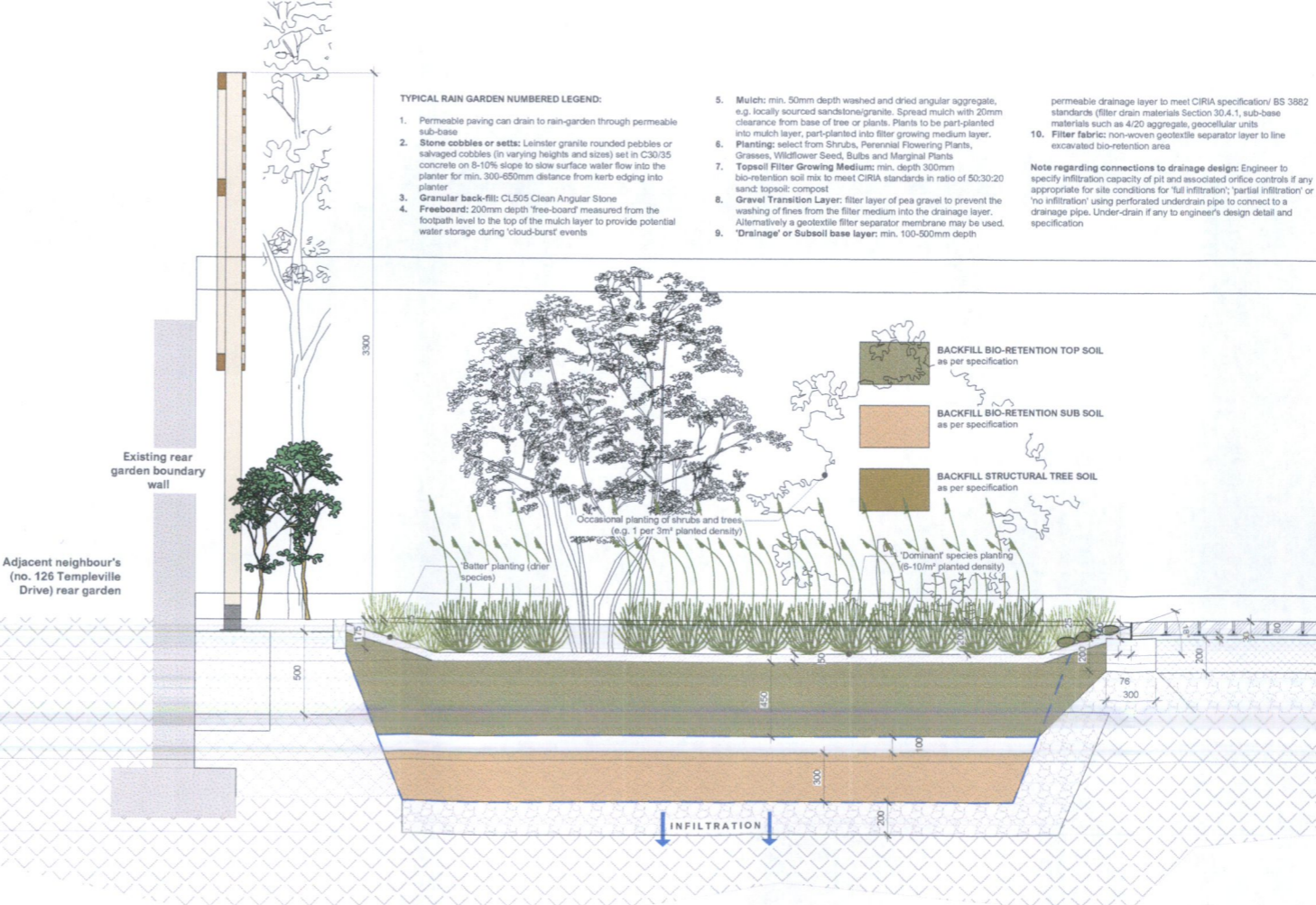
- Finished paving level
- Positive drainage pipe (110mm perforated pipe)
- Build-up to engineer's design detail and specification
- Soft Landscape area
- Stone forebay zone to prevent erosion of soil

STRUCTURAL ENGINEER'S NOTE: additional twin-wall GeoNet (GLTWG1A) to be installed where sub-base is installed below 3% CBR - minimum 2% CBR of formation level, to be assessed by engineer.

*GreenBlue Urban details shown but equivalent approved system will be acceptable

(ABOVE) BOUNDARY TREATMENT, SUDS TREE PIT, GREEN INFRASTRUCTURE SCALE 1:20@A1

(BELOW) RAIN GARDEN AMENITY PLANTER BED IN REAR GARDENS SCALE 1:20@A1



TYPICAL RAIN GARDEN NUMBERED LEGEND:

- Permeable paving can drain to rain-garden through permeable sub-base
- Stone cobbles or setts: Leinster granite rounded pebbles or salvaged cobbles (in varying heights and sizes) set in C30/35 concrete on 8-10% slope to slow surface water flow into the planter for min. 300-650mm distance from kerb edging into planter
- Granular back-fill: CL505 Clean Angular Stone
- Freeboard: 200mm depth 'tree-board' measured from the footpath level to the top of the mulch layer to provide potential water storage during 'cloud-burst' events
- Mulch: min. 50mm depth washed and dried angular aggregate, e.g. locally sourced sandstone/granite. Spread mulch with 20mm clearance from base of tree or plants. Plants to be part-planted into mulch layer, part-planted into filter growing medium layer.
- Planting: select from Shrubs, Perennial Flowering Plants, Grasses, Wildflower Seed, Bulbs and Marginal Plants
- Topsoil Filter Growing Medium: min. depth 300mm bio-retention soil mix to meet CIRIA standards in ratio of 50:30:20 sand:topsoil:compost
- Gravel Transition Layer: filter layer of pea gravel to prevent the washing of fines from the filter medium into the drainage layer. Alternatively a geotextile filter separator membrane may be used.
- 'Drainage' or Subsoil base layer: min. 100-500mm depth permeable drainage layer to meet CIRIA specification/ BS 3882 standards (filter drain materials Section 30A.1, sub-base materials such as 4:20 aggregate, geocellular units
- Filter fabric: non-woven geotextile separator layer to line excavated bio-retention area

Note regarding connections to drainage design: Engineer to specify infiltration capacity of pit and associated office controls if any appropriate for site conditions for 'full infiltration', 'partial infiltration' or 'no infiltration' using perforated underdrain pipe to connect to a drainage layer. Under-drain if any to engineer's design detail and specification

BACKFILL BIO-RETENTION TOP SOIL as per specification

BACKFILL BIO-RETENTION SUB SOIL as per specification

BACKFILL STRUCTURAL TREE SOIL as per specification

Additional Information
 Planning Ref: SD22A/0466
 July 2023

LANDSCAPE ARCHITECTS & CONSULTANTS

Boden Park, Ballyboden, Dublin 16, Ireland | 01 9164887 | info@landscapedesign.ie

PROJECT	PROPOSED DEVELOPMENT AT TEMPLEVILLE DRIVE, TEMPLEOGUE, DUBLIN 16, CO. DUBLIN
CLIENT	BARRY & SUSANNE COLEMAN
PROJECT ARCHITECTS	COLIN MACKAY MRIA
JOB NO.	23_235
DRAWING	GREEN INFRASTRUCTURE CONSTRUCTION DETAILS
DRAWING NUMBER	23_235-PDF-07
REVISION:	-
FIRST ISSUED:	2023-07-25
DRAWN BY:	JOANNE COUGHLAN MLI/MRIA
CHECKED:	COLM KENNY MLI
THIS ISSUE:	2023-07-25
STATUS:	IN PROGRESS
SCALE:	1:20 @ A1

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 be signed and dated only. Do not scale from drawing.
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