

1	STREET FURNITURE - CYCLE SHELTERS (8 SPACES EACH) '8x Bike Shelter' (with 4 no. cycle stands to provide 8 no. cycle parking spaces in each shelter) by Green Roof Cycle Shelters or EQA, 3.70x2.25x2.00x2.078m LxHxWxD with green roof substrate, planting, external wildlife panels for solitary bees and invertebrates, and bird nesting boxes.	3.00M WIDTH CHILD-FRIENDLY EAST-WEST PATH ROUTE THROUGH PUBLIC OPEN SPACE WITH COLONNADED SHELTERED ARCADE, SEATING, PLAY OPPORTUNITIES, SUNNY SOUTH-FACING ASPECT, PLANTING BEDS, AMENITY TREE PLANTING AND ROUNDED BOULDERS
2	H1 - NEW HORNBEAM CG CLIPPED HEDGEROW <i>Carpinus betulus</i> (Hornbeam) 1.00-1.20m ht. potted plants, 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. Min. 1.20m ht sweet chestnut pale, post and wire fence to protect hedge	SEMI-MATURE TREES
3	H2 - NEW NATIVE MIXED SPP TRANSPLANT HEDGEROW Wildlife Fruiting Hedge (species such as Hawthorn, Hazel, Elder, Bird Cherry, Blackthorn, Crab Apple, Wayfarer Tree, Holly), whips planted in groups of varieties that repeat themselves along the hedge, to mature as a 'natural' hedgerow. Plant in staggered rows, 4 hedging transplants per m ² , 1 no. climbing plant per 0.5m length (e.g. Honeysuckle, Ivy, Dog Rose). Provide 75mm depth, 1.20m width, medium-grade bark mulch topping to reduce future weed growth at base.	EXTRA HEAVY STANDARD TREES MULTI-STEMMED TREES, LARGE SHRUBS
4	DRIFTS OF BULB PLANTING plug-planted with top size 5/6 bulbs <i>Crocus vars.</i> , <i>Galanthus nivalis</i> , <i>Allium ursinum</i> , <i>Anemone nemorosa</i> , <i>Hyacinthoides non-scripta</i> etc., variety and species depending on soil type and landscape conditions	BIO-DIVERSE INTENSIVE ROOF PLANTING CG p9, 1L, 2L 3-9/m² density 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. Planters to be gently mounded to achieve sufficient planting depth for trees. All planters to have raised edges of corten steel to provide sufficient growing medium.
5	PERENNIAL PLANTING TYPES: P1 P2 P3 P4 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.	BIO-DIVERSE EXTENSIVE/INTENSIVE ROOF PLANTING CG p9, 1L, 2L 3-9/m² density 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. Planters to be gently mounded to achieve sufficient planting depth for trees. All planters to have raised edges of corten steel to provide sufficient growing medium.
6	'PLAY' 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, to achieve a 0.60m max height above the surrounding finished landscape levels to act as informal seating elements and/or bollards. Sharp edges, if extant, to be deburred. Boulders of 0.75m (w) 1.50m (l), 1.00m (ht) set on sub-base to engineer's design detail and specification on well-consolidated ground.	BIO-DIVERSE ROOF FEATURES include a 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 350mm ht., piles of local cobbles in mound max 350mm ht., different vegetation layers and spaces for shelter such as Schwegler nesting boxes
7	TREES (SUITABLE FOR PODIUM ROOF) <i>Pinus parviflora</i> 'Glaucia' 4xtr/wrb/2.5-3.0m ht Trees to be secured using an 'underground guying' system and secured in place with 3 no. 'dead-man' kerbs and an RF2 'Plati-Mat' by Platipus Tree Anchoring Systems for multi-stemmed trees 2.5-4.5m height, designed for installation on podium roofs, with rootball irrigation and ventilation.	INTENSIVE GROWING MEDIUM (FOR PODIUM ROOF SITUATIONS) Specified planting on 75mm depth medium-grade bark mulch topping to planter bed. Enrich 'intensive' growing medium + Bauder 'egg-crate' build-up to planters: 450mm depth FLL Intensive Substrate lightweight growing medium, ca. 1250kg/m ³ on FLL 1mm polypropylene filter fleece, ca. 105g/m ² on FLL 50mm expanded polystyrene drainage board, ca. 0.65kg/m ³ on FLL 4mm polyester & polypropylene fibre mix protection mat, ca. 1.1kg/m ² on FLL 2 layers 0.2mm polyethylene foil separation layer, ca. 190g/m ² .
8	BIRD NESTING BOX Wood/concrete bird nesting box 'Nest Box 2GR' with galvanised steel hanger by Schwegler, with three hole 27mm Ø entrances to support Blue, Marsh, Great and Crested Tits. Due to the small size of the entrance hole no other species can occupy it. An additional recess for Bats has been created inside the roofspace.	BIODIVERSE EXTENSIVE GROWING MEDIUM (FOR PODIUM ROOF SITUATIONS) Specified planting on 75mm depth medium-grade bark mulch topping to planter bed. Enrich 'semi-intensive' growing medium + Bauder 'egg-crate' build-up to planters: 200mm depth FLL Semi-Intensive Substrate lightweight growing medium, ca. 1250kg/m ³ on FLL 1mm polypropylene filter fleece, ca. 105g/m ² on FLL 40mm expanded polystyrene drainage board, ca. 0.65kg/m ³ on FLL 4mm polyester & polypropylene fibre mix protection mat, ca. 1.1kg/m ² on FLL 2 layers 0.2mm polyethylene foil separation layer, ca. 190g/m ² .
9	INDICATIVE LOCATION OF UNDERGROUND STORMWATER ATTENUATION TANK, NOT IN PUBLIC OPEN SPACE to engineer's design detail and specification,	



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GREEN INFRASTRUCTURE PLAN
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