SPECIFICATION NOTES 48.84 49.00 48.80 Plant procurement should follow the latest recommendations from DEFRA and landscape contractors should verify the status of all specified species prior to procuring. Plant material should All dimensions in millimetres unless otherwise indicated. All levels in metres relative This plan to be read in conjunction with the following documents: be sourced from UK growers with a sound Biosecurity Policy and management systems that can to Ordnance Datum and are positive (AOD) unless otherwise indicated. Landscape works specification and other drawings by terra firma demonstrate the traceability of their stock with plant health certificates / plant passports or other 48.94 Figure dimensions only to be taken from this drawing, do not scale except for Architectural and engineering drawings and reports documentation (commensurate with the HTA Plant Health Assurance Scheme (still in development planning purposes. Dimensions to be checked on site... 48.87 Arboricultural and ecological reports 48.98 For civil and structural matters including existing and proposed services, sub-base construction and site structures (including retaining walls over 900mm height) refer Selected plants, including trees should be propagated and grown on a UK nursery, or containerised General landscaping to information by others. and grown-on in the UK for a minimum of 5 years (trees) or 2 years (shrubs). Any Xylella host plants Existing levels to be preserved around retained existing trees and vegetation. Existing trees The original version of this drawing was produced in colour - monochrome copies specified must come from a UK nursery and must not be imported from Europe or anywhere else in and vegetation to be retained are to be protected in accordance with BS5837: 2012 during should not be relied upon to accurately reflect all drawing elements. the world, directly to site. There must be full traceability on the Xylella host plants (ideally back to its This drawing has been prepared for planning purposes only and should not be origin). The contractor is responsible for checking compliance of growers and to submit their own 49.06 48.90 48.93 ii. All landscape works to be undertaken by competent persons, with appropriate training and used for quantification, tender or construction. Biosecurity Plan with their tender. iii. All arisings to be removed from site at contractor's expense unless noted otherwise. (e.g. woodchip, gravel, topsoil, timber sleepers). Any proposed substitutions of species shown on plan to be approved by landscape architect prior to All materials to be as detailed or accepted equivalent. planting. Details for tree planting to comply with BS8545. As a guide all trees to be planted in Refer also to architectural and engineering drawings as applicable. 49.07 square pits with base undisturbed unless drainage / compaction problems known. Plant at a depth 48.94 The contractor must ascertain for himself/herself the exact location of underground services before 48.96 where the root flare is clearly visible at the soil surface. Where trees have been supplied with the root flare too deep excess soil or fibrous root growth should be removed before planting. All trees to have 'Piddler' tree irrigation/aeration system installed as supplied by Platipus 01737 762300 Tarmag 4 - Existing access onto MUGA - non DDA Existing tree to be retained and protected in accordance with 4. Soil Materials Generally. BS 5837:2012 www.platipus-anchors.com or approved equivalent. Water-in heavily after planting and mulch compliant path (1:16 gradient with no handrails) i. Purity: Soils shall be free from roots, stolons, rhizomes, propagules of perennial or invasive surface, ensuring mulch is not in contact with trunk of tree. Tree support to comply with BS 8545: based on topographical survey information) weeds couch grass, bindweed, docks, Japanese knotweed, giant hogweed and 49.03 RB or CG trees to have double stake and bridge with adjustable tie; multi stemmed trees or trees on 49.00 Root Protection Area - refer to arboricultural report. To remain horsetail/marestail (Equisetum avense). slopes to have angled single stake with adjustable tie; in windy locations or for large trees, install undisturbed and uncompacted (no material or equipment (49.12) ii. Foreign matter: On visual inspection, free from non-soil material, brick and other building wired guying; tree stakes to be stained black. Any necessary remedial tree works are to be carried storage permitted) materials and wastes, sharps, and any other foreign matter or material or substance that would out by an approved tree surgeon to BS 3998. Trees planted within grass areas to be set in mulched Texisting section of hedge to be removed to facilitate works render the soil or soil ameliorant unsuitable for use. earth circles, 1m diameter around tree trunk, with turf trimmed neatly to form circle. Approximate extents of proposed re-instated (approximate - extents to be confirmed) iii. Contamination: Do not use topsoil, subsoil, sand or compost contaminated with rubbish or Trees up to 20cm girth. other materials that are: Depth of tree pits to be the same as the rootball and with overall width to be 150mm wider than conditioner prior to new hedge planting . Corrosive, explosive or flammable the diameter of the rootball (75mm min. from rootball edge to tree pit side). Pits to be backfilled •Hazardous to human or animal life Astro Matting Existing hedge retained and with 300mm depth of specified topsoil over subsoil as per spec. (49.48)protected during works Detrimental to healthy plant growth Existing path retained iv. Give notice: If any evidence or symptoms of soil contamination are discovered on the site or in MH FW /d(49.19)//* △ (49.29) (49.13) topsoil, subsoil, sand or compost or other planting media to be used. External condensing unit location. Refer Depth of planting trench to be same as rootball, overall width150mm wider than rootball (75mm min. to mechanical engineering drawings. 49.07 from rootball edge to sides of trench). Trench to be backfilled with 300mm depth of specified topsoil Existing slab paving retained over subsoil as per spec. Fertiliser to be incorporated as required to ensure establishment and Each soil source (imported and site-won subsoil and topsoil - see items 6-8 and 9 below) shall be continued thriving of plants - type and application rate to be determined by analysis. Central post Proposed fire escape route towards assembly point on analysed by Tim O'Hare Associates, Howbery Park, Wallingford, Oxon OX10 8BA, Tel: 01491 (49.39)Approximate extents of proposed hard play area subject to input from Building and wire supporting to be provided with two line wires and plants to be tied in using horticultural Control/Fire Consultant on compliance with Building Proposed pedestrian bitmac (to match existing) 822653, Email: info@toha.co.uk, www.toha.co.uk (or equivalent approved). plastic ties. On planting, hedges to be trimmed to 800mm ht. and sides trimmed to neat shape Regulations and to be fully designed and compliant as where necessary. required at detailed design stage. Provision for ramp is 6. Subsoil for general planting areas (sample of site-won and/or imported subsoil to be not to impede on the play area within the MUGA. sent for testing to check compliance with parameters below) 17. Shrub and Ground Cover Planting. posed re-positioning of existing community garden Provide subsoil as necessary to make up deficiency on site. Natural or manufactured subsoil (from All plants to be planted into cultivated planting beds (with 300mm depth specified topsoil) at slab paving approved source) will be acceptable (within parameters given below). Subsoil to be tested to densities shown in plant schedule, backfilled with same topsoil. Fertiliser to be incorporated as Jacquemontii') planted in place of tree removed determine suitability for proposed use for planting; test report to be submitted for approval and to required to ensure establishment and continued thriving of plants - type and application rate to be to facilitate works (Acer campestre). 3no. enable amelioration recommendations. Subsoil should be free from commonly tested contaminants, determined by analysis. proposed replacement Acer campestre trees to including asbestos. Subsoil parameters to be within the following: be installed elsewhere on site - location to be Existing edging retained Parameter Maintenance from Practical Completion to include weed control, watering and replacement of Clay (<0.002mm) failures to original specification in the planting season following failure. (49.89)Proposed pin kerb edging to footpath (flush with footpath Silt (0.002-0.05mm) i. All plant material to receive annual pruning and hedges and groundcover to be trained and Sand (0.05-2.0mm) of which at least 40% edged with suggested 2 trims per year. 49.8 shall fall into fine to medium sand range ii. Check tree stakes and ties annually and after strong winds Stones (2-50mm) Proposed slab on edge detail to building edge. Exact Stones (>50mm) extents to be confirmed at detailed design stages 49.9 (49.83) Electrical Conductivity (1:2.5 water extract) µS/cm Proposed planting to be selected from the following: BUILDING FFL 50.150 Electrical Conductivity (CaSO4 extract) ⁴ (49.81) (49.54)Exchangeable Sodium Percentage sting chainlink fence retained and protected during works Organic Matter MUGA retained Subsoil for tree pits (sample of site-won and/or imported subsoil to be sent for testing to Proposed chainlink fence (to replace section removed to 12-14cm girth 3.5-4m ht. RB/CG check compliance with parameters below facilitate works Provide subsoil as necessary to make up deficiency on site. Natural or manufactured subsoil (from (location on site to be confirmed) (50.04)approved source) will be acceptable (within parameters given below). Subsoil to be tested to Betula papyrifera Relocated from existing community (49.91)determine suitability for proposed use; test report to be submitted for approval and to enable Proposed 1.2m ht. timber picket fence to new community amelioration recommendations. Subsoil should be free from commonly tested contaminants, Betula utilis var 10-12cm girth; 3-3.5m ht. RB/CG Himalayan Birch including asbestos. Subsoil parameters to be within the following: planted in place of tree removed to Proposed 1m wide timber picket gates (4no.) to match fence Proposed canopy. Refer to architectural proposals facilitate works) Clay (<0.002mm) ⁷ 50.150 _/ Silt (0.002-0.05mm) Proposed 1.2m wide metal bowtop gates to restrict pupil Sand (0.05-2.0mm) of which at least 40% (49.99)access to rear of modular building shall fall into fine to medium sand range Stones (2-50mm) Stones (>50mm) % dry wt. Shrub Ragwort 'Sunshine' (49.90) Electrical Conductivity (1:2.5 water extract) µS/cm Existing grass retained and protected during works Electrical Conductivity (CaSO4 extract) Exchangeable Sodium Percentage Existing astro matting retained and protected during works erbena bonariensis 8. Topsoil for general landscapes (sample of site-won and/or imported topsoil to be sent Mexican Orange Blossom 5I CG for testing to check compliance with parameters below and to inform any necessary 'Aztec Pearl' Proposed grass laid to turf (replacement grass following amelioration - see 9. below) existing tree and shrub planting relocation) Night-scented and nectar rich plants for ecological enhancement Existing topsoil to be stripped and re-used, provided soil is within parameters given below when analysed. Imported topsoil to be good quality sandy loam or manufactured topsoil (from approved source, meeting parameters given below). Topsoil (site-won or imported) is to be tested to Proposed shrub planting beds (a mix of existing re-located Botanical Name Common Name Specification Density determine suitability for proposed use and should be free from commonly tested contaminants, plants and new planting - refer to planting palette for Bulb supplied Plant tubers 5cm deep Plant bulbs March-April Winter aconite √(50,02) including asbestos; test report to be submitted to Landscape Architect for approval and to enable suggested new plant species or September-October and 5cm apart amelioration recommendations to be made: Proposed relocation of existing trees from community garden lifted to facilitate building works Clay (<0.002mm) Sow 6mm (0.25in) deep Sow April-May or August Proposed ornamental tree (planted in place of tree removed in rows 30cm (12in) apart Silt (0.002-0.05mm) to facilitate building works). 3no. additional trees to be installed elsewhere on site - location to be agreed. to facilitate building works). 3no. additional trees to be Sand (0.05-2.0mm) of which at least 40% Helichrysum italicum 5I CG shall fall into fine to medium sand range ☐ Proposed replacement hedge planting - to replace section of Stones (2-20mm) Lavandula angustifolia Lavender 3I CG hedge removed to facilitate works (refer to planting palette for Stones (20-50mm) % dry wt. Sow 12mm (0.25in) deep Sow May - June n rows 30cm (12in) apart suggested species) Stones (>50mm) % drv wt. Lavandula v intermedia – Lavender 'Grosso pH Value Electrical Conductivity (1:2.5 water extract) Sow 6mm (0.25in) deep Sow March - June Night-scented Electrical Conductivity (CaSO4 extract) in rows 30cm (12in) apart Existing raised beds from community garden re-located terminalis 'Green Exchangeable Sodium Percentage (condition dependant - replace like for like if required) Organic Matter Mock Orange 5I CG Sow 12mm (0.25in) deep Sow March - June or Total Nitrogen 0.15 3no. young trees (Betula papyrifera) Existing manhole cover positions. in rows 30cm (12in) apart October Carbon: Nitrogen Ratio relocated from existing community garden. Extractable Phosphorus 5I CG Flowers July - August Extractable Potassium Extractable Magnesium existing site spot levels (based on topographical information) Plant with 30cm spacing Flowers August Potentilla fruticosa 9. Ameliorant: fertilizer and compost (contractor is responsible for submitting a sample o Sow 12mm (0.25in) deep Sow April - May imported or site-won topsoil (to inform requirements) Cherry Laurel Proposed levels. Tie into existing levels where applicable. in rows 30cm (12in) apart Topsoil amelioration to be determined by analysis. Once amelioration requirements ascertained as Flowers June - August required, approved (peat free) composts to PAS100 and/or fertilizers to be incorporated during Santolina virens Green Cotton Lavander cultivation at required rate to full depth of growing medium. Tagetes patula French marigold Seed Sow May - June Relocated potting shed from existing Japanese Spirea 'Firelight' Flowers June - October Management of soils to be in accordance with the Construction Code of Practice for the Sustainable Viola odorata Sweet violet 9cm pot Plant with 20cm spacing Plant May - September Use of Soils on Construction Sites i. Topsoil and subsoil to be handled (i.e. excavated and/or imported, stored, spread, cultivated) in accordance with method agreed in writing by Landscape Architect prior to work commencing All topsoil and subsoil areas shall be thoroughly cultivated by hand or suitable machinery to the full depth of the topsoil layer, incorporating ameliorants as required. If compaction is suspected in sub-grade, subsoil or topsoil surfaces, these should be ripped as necessary to decompact and ensure adequate drainage. Artemisia 'Powis Mugwort 'Powis Castle' Hand cultivations shall be carried out to achieve the required finish on areas where machine Michaelmas daisy Aster pyrenaeus **Botanical Name** cultivation is impossible ie adjacent to kerbs, manholes and footpath junctions, around retained trees etc. Surplus plant matter, rubbish and surface stones having any dimension greater than Feather Reed Grass 'Overdam' 5I CG 2I CG Brunnera macrophylla Siberian Bugloss 25 mm shall be collected and removed from the site. Topsoil and subsoil is to be stored in acutiflora 'Overdam heaps, maximum of 2m in height, providing soil is reasonably dry and friable during stripping Proposed grass. Area to be re-turfed and handling - using a tracked excavator. To protect from wet weather once final height is following existing community garden Carex oshimensis Japanese Sedge 'Evergold' (50.21)achieved, an excavator should regrade the sides and top of stockpile to firm surface by tracking tree and shrub plant relocation to across it to form a smooth gradient. proposed areas following temporary Festuca glauca 'Elijah Blue Fescue 'Elijah Blue' iii. Final topsoil depth (allowing for settlement) to be 300mm for tree pits and general planting (50.31)'heeling in' phase (proposed phase to retain existing planting for re-planting in areas and 150mm for grass. Finished soil levels to be 25mm above/below adjoining paving or 50.280 new community garden areas). kerbs: not less than 150mm below dpc of adjoining buildings; shrub areas to be higher than Molinia caerulea Variegated Purple Moor Grass 5I CG Cut back existing vegetation to adjoining grass areas by 25 mm. Topsoil to be spread in lightly compacted layers, max. 150mm (50.26)Balkan Cranesbill 'Album improve access route and widen depth, gently firm each layer before spreading the next. macrorrhizum 'Album' bitmac path to minimum 1.5m width. Silver Feather Grass Geranium x oxonianum Cranesbill 12. Plant handling and establishment 'Wargrave Pink' Plant handling shall be in accordance with 'Handling and establishing landscape plants', published Heuchera micrantha Coral Flower 'Palace Purple' by the CPSE through the JCLI. (https://www.csdhub.com/wp-content/uploads/2014/12/The-National Plant-Specification-Handling-and-Establishment.pdf). The contractor shall comply with Part 3: Recommendations for plant handling from delivery to site to ensure successful establishment. Knautia macedonica P01 20.02.23 DB RB Planning issue Linaria purpurea Purple toadflax (50.19) Details for tree, hedge and general planting to be finalised once final site conditions are known (i.e project Downlands Community School, Hassocks Specification **Botanical Name** compaction and permeability of ground). General plant stock to conform to BS 3936, advanced 2I CG nursery stock to BS 8545, and planting to BS 4428. Plants shall be first class examples of their 5I CG Landscape Proposals Plan ECOLOGICAL ENHANCEMENTS species or variety, free from all pests and diseases, with good fibrous root systems and materially scale @ A1 1:100 undamaged. All planting operations to be in general compliance with BS4428: 'Code of Practice for The ecological enhancements below are to be included within the proposals as UTR-Area Post general landscape operations'. recommended in the Preliminary Ecological Appraisal by Writtle Forest dwg no 2417-TFC-XX-XX-DR-L-1002 Only carry out all planting while soil and weather conditions are suitable: sullivantii 'Goldsturm Flooded •Do not plant during periods of frost or strong winds. Plant only during the 2no. bird boxes fixed to existing nearby suitable mature trees. Hedge (replacement for section of hedge removed to facilitate works) references 22048-HNW-ZZ-00-A-DR-2100 Rev. P01 by HNW Architects following periods 1no. bat box fixed to existing nearby suitable mature trees. •Deciduous and conifer trees: Late October to late March (rootball and bare root) 1no. hedgehog dome located appropriately within a suitable area of the site. •Container grown plants: At any time if ground and weather conditions are 2no. insect boxes located in a suitable location in the community garden. favourable. Ensure that adequate watering is provided nstant hedge (supplied in 1m troughs) Night-scented and nectar-rich plant species (included in suggested planting list) Setting out of planting beds to be approved by Landscape Architect before work commences. Maintained at 1-1.2m ht. Stachys byzantina Ensure that plant beds are neatly defined, and rise from adjacent paved areas as specified above. 'Silver Carpet' All tree pits, tree circles in lawn and planting beds are to be mulched with approved bark mulch to 75mm depth after planting.