DO NOT SCALE

Proposed Tree (16-18cm Girth)

Quantity	Species	Abbreviation	Common Name	Specification	Height
14 No.	Alnus incana 'Aurea'	Al in	Golden Alder	Extra Heavy Standard :Clear Stem min. 200 :3x :RB	400-450cm
4 No.	Alnus spaethii	Al sp	Spaeth Alder	Extra Heavy Standard :Clear Stem min. 200 :3x :RB	400-450cm
17 No.	Betula albosinensis 'Fascination'	Be al	Chinese Red Birch	Extra Heavy Standard :Clear Stem min. 200 :3x :RB	400-450cm
9 No.	Betula nigra	Be ni	River Birch	Extra Heavy Standard :Clear Stem min. 200 :3x :RB	400-450cm
9 No.	Gleditsia triacanthos 'Draves Street Keeper'	Gl tr	Honey Locust	Extra Heavy Standard :Clear Stem min. 200 :3x :RB	400-450cm
21 No.	Malus tschonoskii	Ma ts	Pillar Apple	Extra Heavy Standard :Clear Stem min. 200 :3x :RB	400-450cm
25 No.	Prunus x schmittii	Pr sc	Flowering Cherry	Extra Heavy Standard :Clear Stem min. 200 :3x :RB	400-450cm
24 No.	Pyrus calleryana 'Chanticleer'	Py ca	Chanticleer Pear	Extra Heavy Standard :Clear Stem min. 200 :3x :RB	400-450cm
6 No.	Tilia cordata 'Rancho'	Ti c R	Small Leaved Lime Rancho	Extra Heavy Standard :Clear Stem min. 200 :3x :RB	400-450cm
2 No.	Tilia cordata 'Winter Orange'	Ti c W	Small Leaved Lime Winter Orange	Extra Heavy Standard :Clear Stem min. 200 :3x :RB	400-450cm
Total :131 No.					

Proposed Tree (20-25cm Girth)

Quantity	Species	Abbreviation	Common Name	Specification	Height
7 No.	Alnus incana 'Aurea'	Al in	Golden Alder	Extra Heavy Standard :Clear Stem min. 200 :3x :RB	450-500cm
9 No.	Alnus spaethii	Al sp	Spaeth Alder	Semi-Mature :Clear Stem min. 200 :3x :RB	450-625cm
11 No.	Betula nigra	Be ni	River Birch	Semi-Mature :Clear Stem min. 200 :3x :RB	450-625cm
7 No.	Gleditsia triacanthos 'Draves Street Keeper'	Gl tr	Honey Locust	Semi-Mature :Clear Stem min. 200 :3x :RB	450-625cm
4 No.	Liriodendron tulipifera	Li tu	Tulip tree	Semi-Mature :Clear Stem min. 200 :3x :RB	450-625cm
1 No.	Malus tschonoskii	Ma ts	Pillar Apple	Semi-Mature :Clear Stem min. 200 :3x :RB	450-625cm
4 No.	Paulownia tomentosa	Pa to	Foxglove Tree	Semi-Mature :Clear Stem min. 200 :3x :RB	450-625cm
4 No.	Prunus 'Tai-haku'	Pr th	Great White Cherry	Semi-Mature :Clear Stem min. 200 :3x :RB	450-625cm
4 No.	Prunus x schmittii	Pr sc	Flowering Cherry	Semi-Mature :Clear Stem min. 200 :3x :RB	450-625cm
2 No.	Pyrus calleryana 'Chanticleer'	Py ca	Chanticleer Pear	Semi-Mature :Clear Stem min. 200 :3x :RB	450-625cm
5 No.	Tilia cordata 'Rancho'	Ti c R	Small Leaved Lime Rancho	Semi-Mature :Clear Stem min. 200 :3x :RB	450-625cm
1 No.	Tilia cordata 'Winter Orange'	Ti c W	Small Leaved Lime Winter Orange	Semi-Mature :Clear Stem min. 200 :3x :RB	450-625cm
Total :59 No.					

Grass Verge

Seed Mix Name	Seed Mix Supplier	Density	Weight	Area
A18	Germinal	35g/m²	58412 g	1670m²
			Total :58412	Total :1670m²

Planting quantities revised.

Wildflower Swale

Seed Mix Name	Seed Mix Supplier	Density	Weight	Area
WFG2	Germinal	5g/m²	8048 g	1600m²
			Total :8048	Total :1600m²

Ornamental Planting (Mix A)

Distribute species randomly throughout the bed in species groups of 3-5.
4 plants per m². 3L pot sizes.

Quantity	Species	Abbreviation	Common Name	Specification	% of Mix
94 No.	Ajuga reptans 'Catlin's Giant'	Aju re	Bugle 'Catlin's Giant'	Full Pot	8%
117 No.	Bergenia cordifolia 'Purpurea'	Ber co	Elephant's Ears 'Purpurea'	Full Pot	10%
117 No.	Euonymus fortunei 'Emerald 'n' Gold'	Euo fo	Euonymus 'Emerald 'n' Gold'	Bushy :6/9 brks	10%
117 No.	Festuca glauca 'Elijah Blue'	Fes gl	Blue Fescue 'Elijah Blue'	Full Pot	10%
117 No.	Geranium 'Brookside'	Ger Br	Geranium 'Brookside'	Full Pot	10%
117 No.	Geranium oxonianum 'Wargrave Pink'	Ger ox	Geranium 'Wargrave Pink'	Full Pot	10%
50 No.	Hosta 'Francee'	Hos Fr	Plantain Lily	Full Pot	4%
117 No.	Lavandula intermedia 'Grosso'	Lav in	English Lavender 'Grosso'	Bushy :7 brks	10%
117 No.	Miscanthus sinensis 'Zebrinus'	Mis si	Zebra grass	Full Pot	10%
117 No.	Stachys byzantina	Sta by	Lamb's Ear	Full Pot	10%
94 No.	Vinca major	Vin ma	Greater Periwinkle	Several shoots :5 brks	8%
Total :1174 No.					Total :100%

DRAWING NOTES:

- For Landscape General Arrangement Plans refer to drawings: 'MILT-WSP-00-XX-DR-LA-003001 to 003011'.
- For Typical Landscape Details refer to drawings: 'MILT-WSP-00-XX-DR-LA-003511 to 003513'.
- For Landscape Intervention Area Cross Sections refer to drawings: 'MILT-WSP-AR-XX-DR-LA-003101'; 'MILT-WSP-EW-XX-DR-LA-003201'; 'MILT-WSP-WD-XX-DR-LA-003301'; and MILT-WSP-KH-XX-DR-LA-003401'
- For Landscape Management and Maintenance Plan refer to document: 'MILT-WSP-00-XX-RP-LA-003901'.
- For Site Clearance Trees & Vegetation plans refer to: 'MILT-WSP-00-XX-DR-LA-000201 to 000211'.

Rain Garden

Distribute species randomly throughout the bed in species groups of 3-5.
4 plants per m². 3L pot sizes.

Quantity	Species	Abbreviation	Common Name	Specification	% of Mix
109 No.	Ajuga reptans 'Catlin's Giant'	Aju re	Bugle 'Catlin's Giant'	Full Pot	12%
100 No.	Bergenia cordifolia 'Purpurea'	Ber co	Elephant's Ears 'Purpurea'	Full Pot	11%
100 No.	Carex buchananii	Car bu	Leatherleaf Sedge	Full Pot	11%
100 No.	Festuca glauca 'Elijah Blue'	Fes gl	Blue Fescue 'Elijah Blue'	Full Pot	11%
100 No.	Geranium oxonianum 'Wargrave Pink'	Ger ox	Geranium 'Wargrave Pink'	Full Pot	11%
100 No.	Lavandula intermedia 'Grosso'	Lav in	English Lavender 'Grosso'	Bushy :7 brks	11%
100 No.	Salvia nemorosa 'Carradonna'	Sal ne	Balkan Clary	Full Pot	11%
100 No.	Stachys byzantina	Sta by	Lamb's Ear	Full Pot	11%
100 No.	Vinca major	Vin ma	Big periwinkle	Several shoots :5 brks	11%
Total :909 No.					Total :100%

Ornamental Planting (Mix B) removed

PLANTING NOTES:

General

- Contractor to confirm positions of all buried utilities prior to commencement of landscape works.
- Root barriers are to be included to protect utilities in close proximity to trees. Refer to Typical Landscape Details, drawings: 'MILT-WSP-00-XX-DR-LA-003511. Depth, length, and specification of root barriers may differ in different locations and in relation to utilities. Contractor to ensure sufficient volume of soil for trees is provided whilst protecting each utility by root barriers.
- Existing trees to be retained should be protected during construction as per BS 5837 and arboricultural advice. Final determination of trees to be removed to be confirmed on site as per arboriculturist advice.
- Plant material to conform to the National Plant Specification. Plant handling and planting operations to be in accordance BS 3936, BS 4043 and with the Horticultural Trades Association publication, the 'Handling and Establishing Landscape Plants', Parts I-III.

Trees

- Planting the trees should be carried out in accordance with British Standard BS 8545.
- Planting season: Late November to late March.
- Square-shaped tree pits to encourage root growth.
- During excavation of the tree pit, the soil dug should be placed to one side separating topsoil and subsoil as far as is practical. Excavated topsoil to be free of perennial weeds, weed seeds and contamination and stone picked to remove any stones larger than 50mm prior to re-use. Excavated topsoil to be ameliorated and/or screened if necessary, to achieve this specification.
- Backfill should be added gradually, in layers of 150 mm to 230 mm depth. The layers should match the surrounding subsoil and topsoil as closely as possible. At each stage the fill should be firmed in to eliminate all air pockets under and around the root system, but with care being taken not to excessively compact the soil. The final layer of backfilling should not be consolidated but should be of a sufficient depth to allow for settlement and mulching. Approximately 200g of organic slow release fertiliser per tree shall be worked into the backfill mixture. If required, the tree shall be watered sufficiently.
- Trees to be supported by rootball fixing system.
- The root flare of the newly planted tree should be clearly visible at the soil surface. It should not be buried by excess soil or mulch.
- Tree pit sides should not have compacted, glazed or smeared sides from digging. Sides of a planting pit that have been smeared or smoothed during excavation should be scarified.
- Ensure pit free of rubble or concrete before backfilling with soil, compost and fertiliser mix.
- The rootball or root-stem transition should be level with the existing host soil.
- Imported topsoil to BS 3882: 2015 general purpose grade and from an approved source. Soil pH 7.0. Topsoil to be free from excessive amount of weed seeds, roots of perennial weeds, subsoil and extraneous matter. Do not handle during or after heavy rainfall or when it is wetter than the plastic limit as defined by BS 3882.
- Apply mulch around the base of trees in grass verges, wildflower swales, rain gardens and ornamental planting beds, using matured coniferous bark with an even particle size between 5-35mm, to 75mm depth, after the completion of planting and watering operations. Supplier: Green-tech. Product: Melcourt Contract Bark Chippings Mulch or similar approved.
- Apply a 50mm depth of gravel mulch around the base of trees in hard-standing in the central void of the permeable resin bound gravel around the tree. Supplier: Derbyshire Aggregates. Product: Silver Blue Granite, 10mm size, 35mm depth, or similar approved.
- Ensure the site is clean and remove any litter / arisings after planting completion.

Grass Verges & Wildflower Swales

- Hydraulic-seed the specified seed mixes onto areas indicated in topsoil, at a rate in accordance with supplier's recommendations, and in autumn to reduce competition.
- Hydraulic-seed into a clean seedbed that has been first cleared of all existing vegetation and weeds and then cultivated to produce optimum conditions for germination.
- Cultivate the soil to sufficient depth to alleviate compaction, then rake or harrow and roll to produce a fairly fine, firm surface.
- Extra attention is required in terms of seed bed preparation to encourage good establishment and to cultivate when soil moisture allows breakdown of the soil aggregates into a medium tilth.
- The hydraulic seed mixture shall be kept constantly stirred during application to maintain a homogenous slurry.
- Avoid hydraulic seeding on top of any mulch around the base of trees. Make-good and re-instate mulch if hydraulic-seeding disturbs mulch.
- Avoid hydraulic-seeding on areas / features surrounding / within the grass verges / swales. Ensure surrounding areas / features are cleaned / made good if hydraulic-seed has been sprayed on to any areas where it is not meant to go.

Rain Gardens & Ornamental Planting Beds

- All Planting Works shall be carried out in accordance with BS 4043, BS 4428 and BS 5837.
- Container-grown plants may be planted at any time of year during favourable weather and soil conditions. No planting or preparatory operations shall take place when the ground is frost bound, covered by snow, excessively wet or waterlogged, or in excessively dry or windy conditions.
- During the period subsequent to the receipt of the plants and prior to planting, the Contractor shall comply with the treatment of nursery stock as follows: Containers shall be maintained upright, watered as required, sheltered and protected from frost, and shall not be packaged or stored more than one layer deep. Degradable pots, cells or root-trainers that may disintegrate in transit shall be enclosed in polythene film (250 gauge) and firmly secured.
- Protection from frost. When necessary, additional measures shall be undertaken to protect plants from frost.
- The location for temporary storage shall be sheltered from winds and well drained.
- All containers shall remain completely filled with compost. If up to 10% compost has been lost from containers at any stage, then further suitable moistened compost shall be added to completely cover the root systems and fill the containers. Any containers which have lost more than 10% compost shall be replaced. All containerised plants shall be thoroughly soaked prior to planting and all containers removed.
- Any plants damaged by frost, desiccation, or in any other way prior to planting, shall be removed from site and replaced with new plants.
- All arisings from the planting including labels, canes, ties, containers, wrappings, paddings, fastenings and bags shall be collected immediately by the Contractor and removed off Site.
- Immediately prior to planting, the ground shall be cultivated to a minimum depth of 300 mm removing all live injurious weed roots and growth to a tip off Site. Any stones or other rubbish over 50 mm in any direction shall be removed from the surface and disposed of off site. Root disturbance of adjacent plants shall be avoided and the surface left with a medium tilth.
- The extent of the area to be planted shall first be defined by plants spaced around the perimeter at ~500mm centres, ensuring all plants are 150mm clear of any concrete haunch. The remaining plants shall then be used to fill in the centre of the area in an informal manner, at ~ 500mm centres (4 plants per m²).
- At each planting position sufficient soil shall be excavated from the bed to allow 75 mm clearance between either the rootball, or the root-ends when fully spread, and the sides and bottom of the planting hole. The plant shall be set in the centre of the plant position, showing its best side to the front.
- Finely broken back-fill material shall be packed around the roots. The plants shall be gently shaken to allow fine soil to surround the roots. As soil is returned it shall be lightly consolidated and firmly heeled around the root-collar. Immediately after planting the soil surface shall be evenly graded. If required, the soil shall then be watered sufficiently.
- Immediately after planting and watering, apply mulch around each plant to cover all bare soil within the bed using matured coniferous bark with an even particle size between 5-35mm, to 75mm depth. Supplier: Green-tech. Product: Melcourt Contract Bark Chippings Mulch or similar approved.
- Ensure the site is clean and remove any litter / arisings after planting completion.

REV	DATE	BY	DESCRIPTION	CHK	APP
C04	09/05/2023	ST	REVISED PLANTING QUANTITIES FOLLOWING REVISION TO HIGHWAY & CONSEQUENTLY LANDSCAPE DESIGN	AK	MP
C03	16/03/2023	ST	REVISED LANDSCAPE DESIGN FOLLOWING REVISION TO HIGHWAYS LAYOUT	AK	MP
C02	04/05/2022	HG	REVISED PLANTING QUANTITIES	AK	MP
C01	01/04/2022	HG	ISSUED FOR CONSTRUCTION	AK	MP
P03	16/06/2021	HH	AMENDMENTS TO ROUNDABOUT & BUS STOPS	YH	PT
P02	13/11/2020	TE	ISSUED FOR REVIEW	AK	MP
P01	07/10/2020	TE	FIRST ISSUE	AK	

DRAWING STATUS: A - FIT FOR CONSTRUCTION

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CLIENT: GREATER CAMBRIDGE PARTNERSHIP

ARCHITECT:

SITE/PROJECT: MILTON ROAD DETAILED DESIGN

TITLE: LANDSCAPE GENERAL ARRANGEMENT PLAN (PLANTING SCHEDULE) SHEET 12 0f 12

SCALE @ A1:	CHECKED:	APPROVED:
AS SHOWN	AK	MP

PROJECT NO:	DESIGNED:	DRAWN:	DATE:
70056482	TE	TE/HG	OCT 2020

DRAWING No: MILT-WSP-00-XX-DR-LA-003012 REV: C04