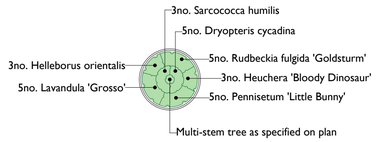
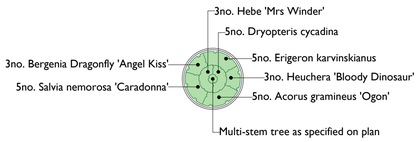
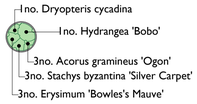
Plant mix A



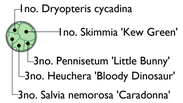
Plant mix B



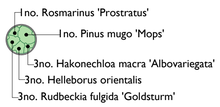
Plant mix C



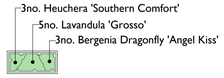
Plant mix D



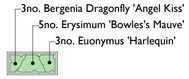
Plant mix E

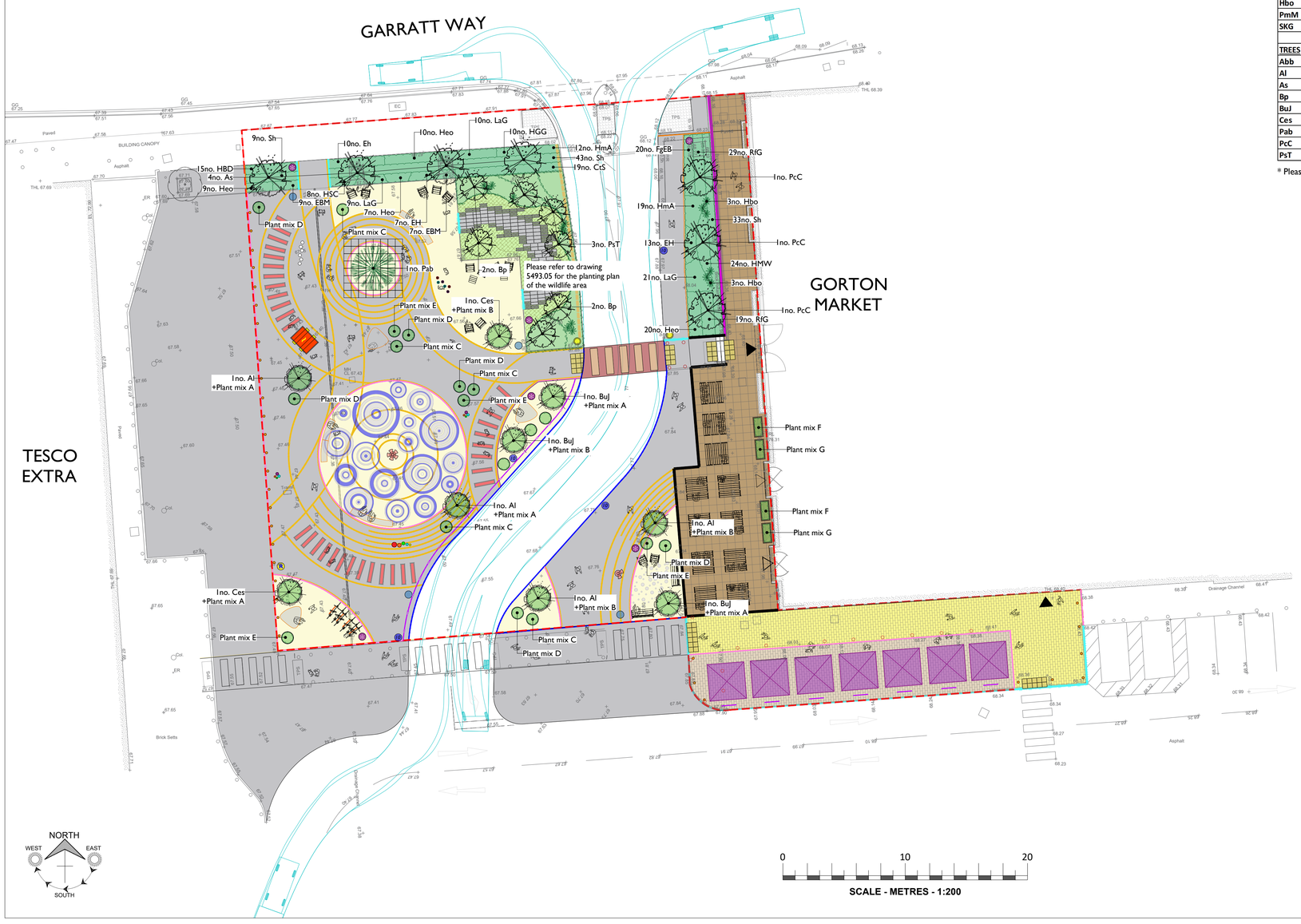


Plant mix F



Plant mix G





PLANTING PLAN					
ORNAMENTAL SHRUB/HERBACEOUS PLANTING					
Abb	**Species**	**Size**	**Height (cm)**	**Density**	**Number**
AgO	Acorus gramineus 'Ogon'	3L	20-30	7 sq.m	35
AW	Argyranthemum 'Whiteknights'	3L	20-30	7 sq.m	14
BDAK	Bergenia Dragonfly 'Angel Kiss'	3L	20-30	5 sq.m	24
BdNP	Buddleia davidii 'Nanho Purple'	3L	20-30	3 sq.m	11
CtS	Choisya ternata 'Sundance'	3L	30-40	3 sq.m	25
Dc	Dryopteris cycadina	3L	20-30	4 sq.m	64
EBM	Erysimum 'Bowles's Mauve'	3L	20-30	5 sq.m	54
EH	Euonymus 'Harlequin'	3L	20-30	5 sq.m	36
Ek	Erigeron karvinskianus	3L	20-30	9 sq.m	30
FgEB	Festuca glauca 'Elijah Blue'	3L	20-30	5 sq.m	29
GoWP	Geranium x oxonianum 'Wargrave Pink'	3L	20-30	5 sq.m	18
HBD	Heuchera 'Bloody Dinosaur'	3L	20-30	5 sq.m	68
HSC	Heuchera 'Southern Comfort'	3L	20-30	5 sq.m	14
HGG	Hebe 'Green Globe'	3L	20-30	5 sq.m	21
HMW	Hebe 'Mrs Winder'	3L	20-30	3 sq.m	57
HmA	Hakonechloa macra 'Albovariegata'	3L	20-30	5 sq.m	43
Heo	Helleborus orientalis	3L	20-30	5 sq.m	91
LaG	Lavandula 'Grosso'	3L	20-30	5 sq.m	97
MsV	Miscanthus sinensis 'Variegatus'	3L	20-30	5 sq.m	16
NWL	Nepeta 'Walker's Low'	3L	20-30	7 sq.m	14
Oli	Oenothera lindheimeri	3L	20-30	7 sq.m	30
PLB	Pennisetum 'Little Bunny'	3L	20-30	7 sq.m	48
PZ	Prunus 'Zabeliana'	3L	30-40	3 sq.m	7
RfG	Rudbeckia fulgida 'Goldsturm'	3L	20-30	7 sq.m	122
Rop	Rosmarinus 'Prostratus'	3L	20-30	5 sq.m	27
Sma	Sedum 'Matrona'	3L	20-30	7 sq.m	18
SnC	Salvia nemorosa 'Caradonna'	3L	20-30	5 sq.m	44
SbSC	Stachys byzantina 'Silver Carpet'	3L	20-30	5 sq.m	28
Sh	Sarcococca humilis	3L	30-40	3 sq.m	105
Sten	Stipa tenuissima	3L	20-30	7 sq.m	18
Ths	Thymus serpyllum	3L	20-30	9 sq.m	33
SPECIMENS					
Abb	**Species**	**Size**	**Height (cm)**	**Density**	**Number**
Hbo	Hydrangea 'Bobo'	10L	80-100	Ind.	11
PmM	Pinus mugo 'Mops'	10L	80-100	Ind.	7
SKG	Skimmia 'Kew Green'	10L	80-100	Ind.	7
TREES					
Abb	**Species**	**Size**	**Root**	**Height (cm)**	**Type**	**Number**
Al	Amelanchier lamarckii	M/s	30-50L	150-200	Multi-stem	4
As	Acer saccharum	20-25 cm	C	450-550	Single stem	4
Bp	Betula pendula	M/s	C	200-300	Multi-stem	4
BuJ	Betula utilis Jacquemontii	M/s	30-50L	150-200	Multi-stem	3
Ces	Cercis siliquastrum	M/s	30-50L	150-200	Multi-stem	2
Pab	Picea abies *	Specimen	120x100 Root Mass	450-500	Single Stem	1
PcC	Pyrus calleryana 'Chanticleer'	18-20 cm	C	450-500	Single stem	3
PsT	Prunus serrula 'Tibetica'	M/s	C	200-300	Multi-stem	3

* Please note this is a feature tree to be supplied by Ladybrook nurseries. To be picked by the project Landscape Architect

PLANTING NOTES:

1. Plant handling at the nursery, and during transit up to delivery, shall be in accordance with 'Plant Handling', the booklet published by the Committee for Plant Supply and Establishment (CPSE). The contractor shall comply with clauses 3 & 4 of the above booklet (obtained from the Horticulture Trades Association, 19 High Street, Theale, Reading, Berks RG7 5H) which refers to the receipt, unloading and temporary storage of plants.

2. Plants shall be first class examples of their species or variety, free from all pests and diseases, with good fibrous root systems and materially undamaged (refer to relevant sections of BS3936 Parts 1-4 'Specification of Nursery Stock').

3. All planting is to be in general compliance with BS4428: 1989 'Code of Practice for general landscape operations

4. Tree Pits
One number 80 litre bag of compost (non-peat based) should be roughly incorporated between two tree pits and a slow release tree fertiliser (inline with manufacturers recommendations) should also be incorporated into the mix.

The compost and fertiliser must be thoroughly mixed with the excavated material prior to back filling the tree pit. Any large stones and rubble should be removed if excavated during these works and the base of the pit should be broken out to ensure that it is free draining.

As a guide, trees should be planted in tree pits of the following minimum sizes;

- Multistemmed - 750 x 750 x 900mm deep (300mm subsoil, 600mm topsoil)
- 18-20cm girth - 1000x1000x900mm deep (300mm subsoil, 600mm topsoil)
- 20-25cm girth - 1200x1200x900mm deep (300mm subsoil, 600mm topsoil)

Trees within planters shall be planted in the centre with a new topsoil/ compost mix compacted around the root. For trees planted within soft landscaped areas, an irrigation pipe is required to aid watering.

The Christmas tree should be planted in a specialist tree pit within hard surfacing, using the Green TechTree Parker System. The pit shall be 5.4m x 5.4m x 1m with a soil volume of 29m3. It shall be installed with the Green Tech Tree Anchor Rootball Wire Fixing System and Mona Relief Piazza Tree Irrigation Watering System. Please refer to detailed drawing and specification by Green Tech.

5. Staking
Trees with an 18-20 or 20-25cm girth should be secured with double timber stake (at 600mm above ground level), timber cross bar and rubber tree tie.

Mutli-stem trees are to be secured with a dead mans anchor system such as Deadman System - Plati-Mat® from www.platipus-anchors.com or an equal approved product to be agreed with the landscape architect.

6. Shrub Beds and Planting General:
All beds should be free draining and free from builders rubble and large stones. There should be min 450mm of good quality top soil to all the shrubs beds. Areas to be treated with a non-residual glyphosate based herbicide prior to planting and cultivated to a depth of 150mm.

A slow release fertiliser mixed with a peat free compost should be incorporate into the back fill material when planting the shrubs to give them the best possible chance of establishment.

For hedges dig a trench the full length of the hedge 500mm wide x 400mm deep and break up the base to facilitate drainage.

A root barrier should be installed in between the planting and edge of the path along Garratt Way to prevent interference with services.

7. Planters
All planters to be filled with good quality topsoil inline with BS3882:2015 specification for topsoil with a 100mm depth of clean free draining gravel laid in the base. Install a permeable fabric liner between the soil and the gravel to keep the base clear from soil and free draining.

Water all planters on the same day of planting to ensure that the soil is fully saturated. Ensure proactive watering there after as necessary (min once a week during periods of drought and summer months in the first year of establishment period) to ensure the successful establishment of the plants.

8. Storing the topsoil
Compaction and contamination should be prevented by covering and not allowing construction plants to pass over it. It should also be handled in the driest conditions possible and not after a heavy rainfall. When spreading the topsoil do not firm, consolidate or compact it.

9. Finishing Beds
The finished surface of the bed should be free from weeds, stones or rubble and the surface of the soil cultivated to level out any clumps, mounds or depressions.

When planted all shrub beds are to be mulched. Planters and areas of low spreading plants in the wildlife area should be mulched with coconut coir. Areas of structured shrub planting shal be mulched with 50mm depth of small grade bark mulch.

The beds should be maintained weed free and the beds topped up annually with bark mulch as required.

10. Watering:
All Trees, Hedges and Shrub beds to be watered in the first year of establishment regularly during periods of drought until established. For the trees in the first year of establishment and in subsequent years if there is a drought. Water with150 litres minimum per month, once every 2-4 weeks regardless of rainfall.

11. Weeding:
All shrub beds to be maintained weed free by regularly hand weeding the beds and spot treating any prolific weeds with a glyphosate based weed killer. Maintaining the coconut coir and bark mulch will also help to reduce weed growth.

12. The contractor must ascertain himself/herself of the exact location of underground services and electrics/lighting prior to carrying out any digging on site.

KEY

Soft Landscape

Proposed Trees to be planted within the development to include a mixture of formal street trees, native trees and wildlife beneficial trees.

Proposed Trees within planters to include small growing multi-stemmed ornamentals for seasonal interest.

Proposed Structured shrub planting along the road frontage to comprises low maintenance, flowering species to add colour and visual interest to the streetscene.

Proposed Ornamental shrub planting within the development to comprises low growing shrubs, herbaceous perennials and grasses that are drought tolerant and wildlife beneficial.

Proposed Wildlife/Sensory planting within the development to comprises playful and colourful species which are textured and scented and attractive to wildlife such as bees and butterflies.

Proposed Christmas Tree to comprise a real mature tree set within the hard landscape and planted into an underground tree cell system to provide a suitable growing environment. Size: 450-500cm (120 x 100cm root mass)

Tree Pit - Available from Green Tech
Tree Parker System. 5.4m x 5.4m x 1m with a soil volume of 29m3. 9 units removed in the centre to allow space for the larger root ball (1.8m). Install with GT Tree Anchor Rootball Wire Fixing System and Mona Relief Piazza Tree Irrigation Watering System. To have a recessed tree grille installed with permeable resin.

Please refer to drawing 5493.05 for the planting plan of the wildlife area

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MANCHESTER CITY COUNCIL

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DEP LANDSCAPE ARCHITECTURE LTD
2 COMMERCIAL STREET
MANCHESTER, M15 4RQ
T: 0161 2419878
E: info@dep.co.uk
W: www.dep.co.uk

Client
Manchester City Council

Project
Gorton Market

Description
Planting Plan 1 of 2

Status
Tender

Scale
1:200@A1

Drawn
KR/NN

Job number
5493

Drawing number
04

Date
Sept 24

Revision
A

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All levels and dimensions to be checked on site by contractor prior to commencement; Any variations to be reported to the client. This drawing is to be read in conjunction with all others relating to the project and all information derived accordingly; any anomolies to be reported to the client. Do not scale from this drawing. Use figured dimensions only. Work shown on this drawings to be carried out in accordance with current British Standards and Codes of Practice.

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