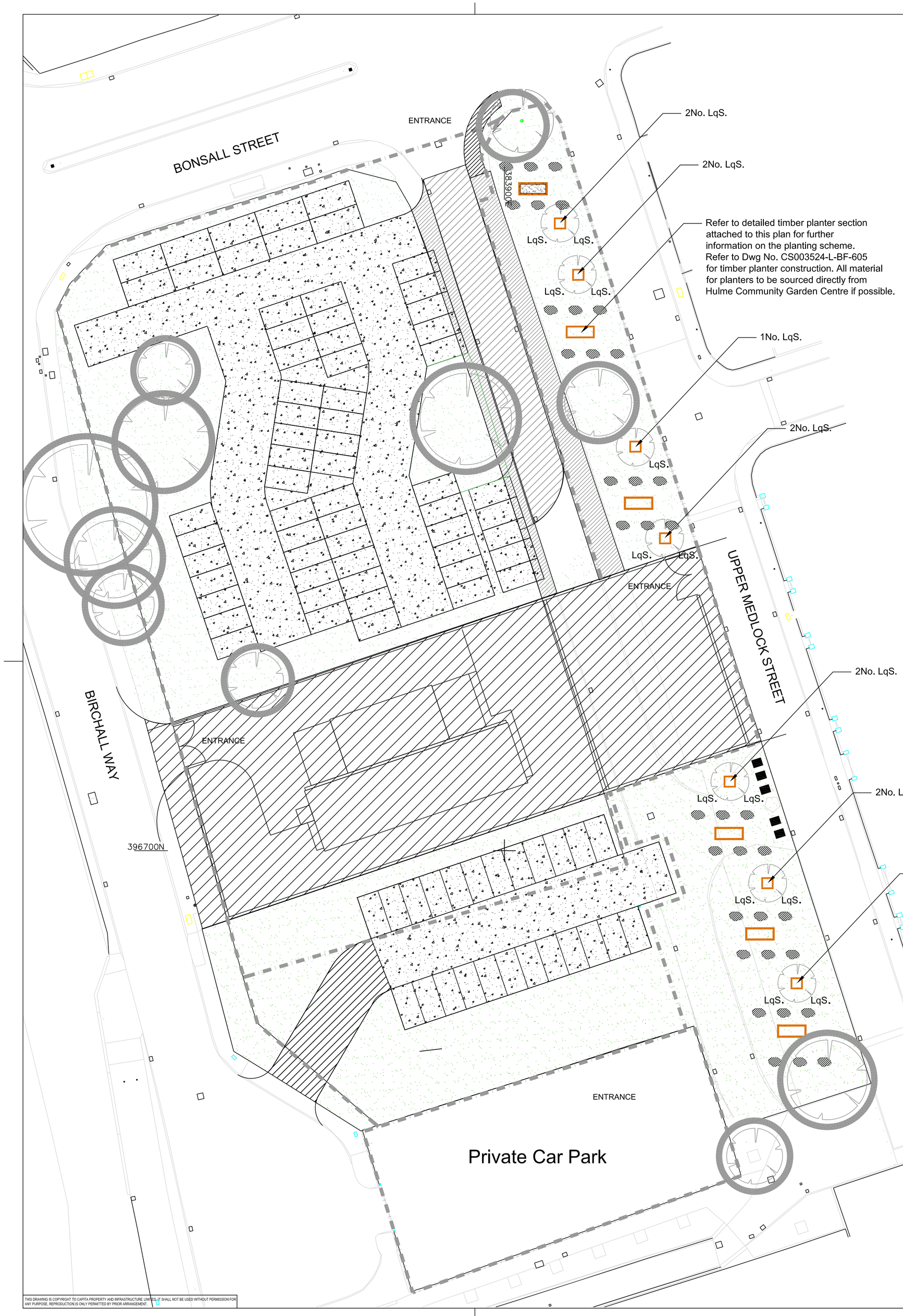

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Planting Plan - PLOT M

TREES

Total	Abv	Tree Species	POT	No/m²	Size	Comments
7	LqS	Liquidambar styraciflua 'Sweet Gum'	0	1	16-18 girth RB	Rootball Only

SHRUBS FOR PLANTERS

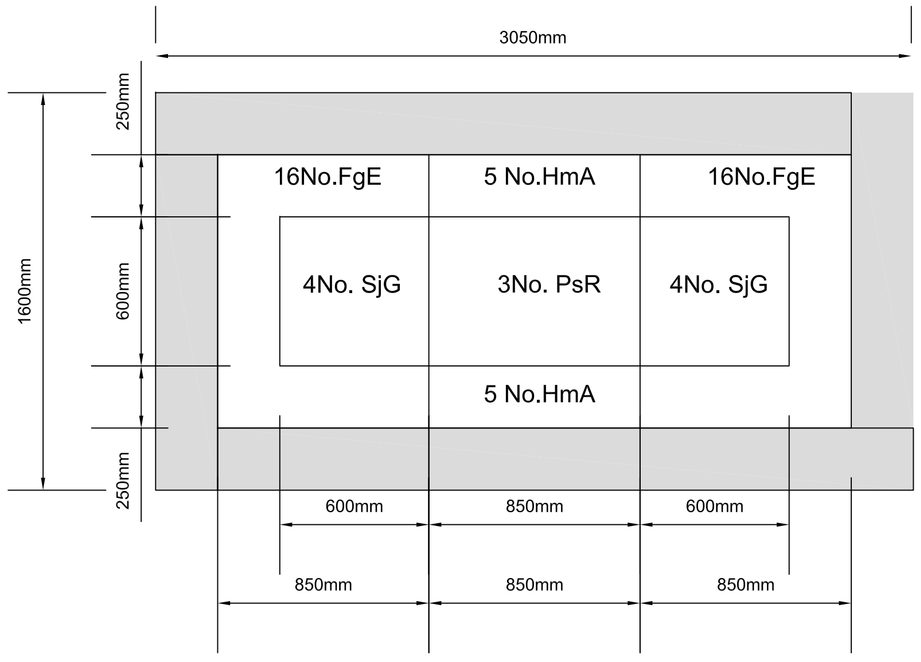
Total	Abv	Herbs/Therapeutic Plants	POT	No/m²	PER PLANTER	Comments
192	FgE	Festuca glauca 'Elijah's Blue'	5L	7	32	staggered diagonal rows in sets of 2
60	HmA	Hakonechlca macra ' Aureola'	2L	5	10	Single rows spaced at 200mm apart
18	PsR	Pennisetum setaceum rubrum	2L / 5L	2	3	5L pot size preffered but difficult to get hold
48	SjG	Spiraea japonica 'Gold Mound'	3L	4	8	

GRASS

Description for works
A22 Seed mix to be used / low maintenance grass - to be spread at a rate of 35g/m2

Description of Planting Style
Planting in raised beds to be in linear bands with taller plants located at the centre with more tumbling low levels shrubs at the edges. Pennisetum setaceum rubrum to be located in the centre of the bed, planted in a triangle formation. Spiraea japonica should be planted in the corners of the appropriate sections with a minimum distance of 200mm apart. The Festuca and Hakonechloa should be planted in zig zag formation on the edge of the timber planter.

PLANTER DETAIL



KEY

- Proposed Custom made FSC Wooden planter. Timber sleepers to be treated prior to them being assembled on site (Refer to dwg no. CS003524-L-BF-605 Alternative supplier: Hulme Community Garden Centre to advise accordingly
- Proposed Grenadier tree planter or similar appproved; FSC treated softwood. Supplier: Street Design Ltd Tel: 01509 815335 Alternative Supplier by: Hulme Community Garden Centre to advise accordingly Size: 1065x893mm
- Proposed trees to be planted
- Tree to be retained
- Grass. A22 / low maintenance grass seed to be used and spread at a rate of 35g/ m2

PROPOSED TIMBER PLANTER FOR TREES



PROPOSED LIQUID AMBER "SWEET GUM" TREE



MAINTENANCE:
- first 12 months post completion

Failures Of Planting: Any plants which have failed to thrive to be replanted with equivalent plants/ trees/ shrubs during the next suitable planting season.
(Exclusions: Theft or malicious damage after completion) Replacements are to match size of adjacent or nearby plants of same species or match original specification, whichever is the greater.

Planting Maintenance Generally: Maintenance visits to be carried out fortnightly during growing season

Weed control: A weed free area is to be provided around each tree and shrub by maintaining a full thickness of mulch and only using a contact herbicide as necessary. Glyphosate herbicide to be used to a maximum of 2 times a year to shrub beds.

Planted areas: Fork over beds as necessary to keep soil loose, with gentle cambers and no hollows. Take care not to reduce depth or effect of mulch.

Litter Removal to Grassed Areas/Plant Beds/Paving:
Remove all litter, stones, debris, etc., to each mowing operation throughout the growing season and fortnightly during the remainder of the year and dispose of to tip.

Operations to Grass Areas: Maintenance of grassed areas shall include mowing, watering as necessary to saturate the soil below, trimming edges to pavings and planted areas at every cut, removing all debris and stones over 30mm in size, prior to mowing, weeding by cultivating, forking, hoeing and raking and re-seeding any portions considered necessary and removing from site all debris and stones created by the operations. Pavements to be swept clean of any grass cuttings.
Strimming round the base of all trees will be carried out with a strimmer fitted with a protective guard to prevent bark damage.
Grass cut fortnightly throughout the growing season to a height of 25mm with a cylinder rotary mower and remove clippings to tip (between April and October).
Areas of grass where bulbs are planted must not be mown until the leaves turn yellow or show die back.
In drought conditions the following modifications to specified mowing operations shall be implemented:
Cutting heights shall be raised to 45mm.
Mowing shall only continue so long as grass growth continues to reach maximum allowable height.

Planting notes and workmanship

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) 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 1-10 'Specification of Nursery Stock')
3. All planting is to be in general compliance with BS4428: 1989 'Code of Practice for general landscape operations (excluding hard surfaces)'.
4. The contractor must ascertain for himself the exact location of any underground services and maintenance points.
5. Water as necessary to ensure the establishment and continued thriving of planted and grassed matter.
6. Carry out all work when soil and weather conditions are suitable:i) Do not plant during periods of frost or strong winds. Plant only during the following periods
   - Bare root deciduous trees and shrubs: Late October to late March
   - Container grown plants: At any time if ground water and weather conditions are favorable. Ensure that adequate watering and weed control is available.
7. All planted areas are to be mulched to a consolidated depth of 75mm using an approved Amenity Bark Mulch.

Workmanship and Maintenance Generally

All works will be subject to the following British Standards :

Construction: BS 4428 : 1989 General Landscape Operations BS 3936 : Part 1 1992 Nursery Stock (Specification for trees and shrubs)BS 3936 : Part 4 1984 Nursery Stock (Specification for forest trees)BS 3936 : Part 9 1987 Nursery Stock (Specification for bulbs, corms and tubers)BS 3936 : Part 10 1990 Nursery Stock (Specification for ground cover plants)BS 5837 : 2005 Trees In Relation to Construction BS 3882 : 1994 Topsoil BS 4043 : 1989 Transplanting root based trees BS 5236 : 1975 Cultivating and planting advance nursery stock

Maintenance: BS 7370:part1: 1991 Grounds maintenance (part 1. Recommendations for establishing and managing grounds maintenance organisations and design considerations

BS 7370:part2: 1994 Grounds maintenance part 2. Recommendations for the maintenance of hard areas (excluding sports surfaces)

BS 7370:part3: 1991 Grounds maintenance part 3. Recommendations for maintenance of amenity and functional turf (other than sports turf)

BS 7370:part4: 1993 Grounds maintenance part 4. Recommendations for maintenance of soft landscape (other than amenity turf)

REV	DESCRIPTION	DRAWN	CHK	APP	DATE
B	Car Park layout amended as per instruction from site meeting 31.01.14 and by email instruction from DL(MMU) 31.01.14	MS	DS	DS	03.02.14
A	Issued for planning	MS	DS	DS	29.01.14

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status: PLANNING

client: Manchester Metropolitan University
Birley Fields Campus

project title: PLOT M - Redevelopment

drawing title: Planting Plan

scale @ A1	designed by	drawn by	checked by	approved by	date drawn
1:250	MS	MS	DS	DS	18.12.13

project no. UV003524

drawing no. UV003524 - L - BF-604 revision B

Do Not Scale From This Drawing