Planting and maintenance specification

Mitigation planting at

40 Arkwright Road
London
NW3 6BH

for

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job no.: 485

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1. Summary

1.1 This report contains a detailed proposal for replacement planting and subsequent maintenance at 40 Arkwright Road, London NW3 6BH.

1.2 The proposed planting location is shown on Square Feet Architects Drawing No. 1608-L-172 Rev G - Proposed Landscape Plan (see **Appendix a**)

2. Species choice

2.1 Species: Trident Maple (*Acer buergerianum*)
Stem circumference (cm): 20-25
Height (m): 4-5 (2m of clear stem)
Stock type: container grown (30 litre (80cm diameter x 60cm deep))

2.2 Reasons for species choice:

- Moderate ultimate size, comparable to that of an existing tree that is to be removed, and of comparable appearance at maturity
- Compact oval to spherical crown shape
- Good spring and autumn foliage colour
- Good bark colour
- Hardy and has a good track record

2.3 A photograph of an example of the proposed replacement tree species is included in **Appendix b.**

3. Planting specification

3.1 Plant a single stemmed, container grown tree of the species and size referred to above in built-for-purpose tree pit incorporating drainage layers, an irrigation system, a root barrier (to minimise surface disruption in later years), underground guying and growing medium placed in a rigid modular containment system to prevent compaction.

3.2 Unless an alternative system is agreed in writing with the local planning authority, the tree pit will be a Green Blue GB1007 – Standard Tree Pit Installation (see construction detail in **Appendix c**) and will be constructed by a specialist contractor.

3.3 The composition of the soil mix to be loaded into the containment cells and that to be used for general backfill will be specified in writing by the appointed contractor prior to the start of works.

3.4 Approved mixtures will be based on a friable loam soil complying with the requirements for multi-purpose topsoil set out in *BS3882:2007* and will include not less than 15% by volume of additional organic material (e.g mushroom compost) as well as Enmag slow-release fertiliser (or equal and equivalent) at a rate of no less than 5g per litre of backfill

Justification for tree pit size

3.5 The chosen pit size and planting system is widely accepted as adequate for establishing trees in streets, car parks and other predominantly hard surfaced locations.

3.6 Taken together, the growing medium in the modular containment system and the pit backfill above, amount to just over $9m^3$.

3.7 Assuming that on a typical London Clay site there is 300mm of friable topsoil above the London Clay subsoil, the growing medium in the tree pit ($9m^3$) is equivalent to the available topsoil in a circular area with a radius of 3.1m.

3.8 Following the methodology set out in *BS5837:2012,* 3.1m is the radius of a tree with a stem diameter of 25.8cm (81cm girth).

4. Maintenance

4.1 Regular routine maintenance will be carried out until the tree is fully established (2 consecutive year's normal growth measured in terms of foliage colour, size and distribution in the middle of each growing season). It will include

4.2 Keeping the circle of open ground around the base of the tree's stem free of weeds at all times and relieving surface compaction by shallow cultivation should it develop.

4.3 Adjusting underground guying in accordance with the manufacturer's specification.

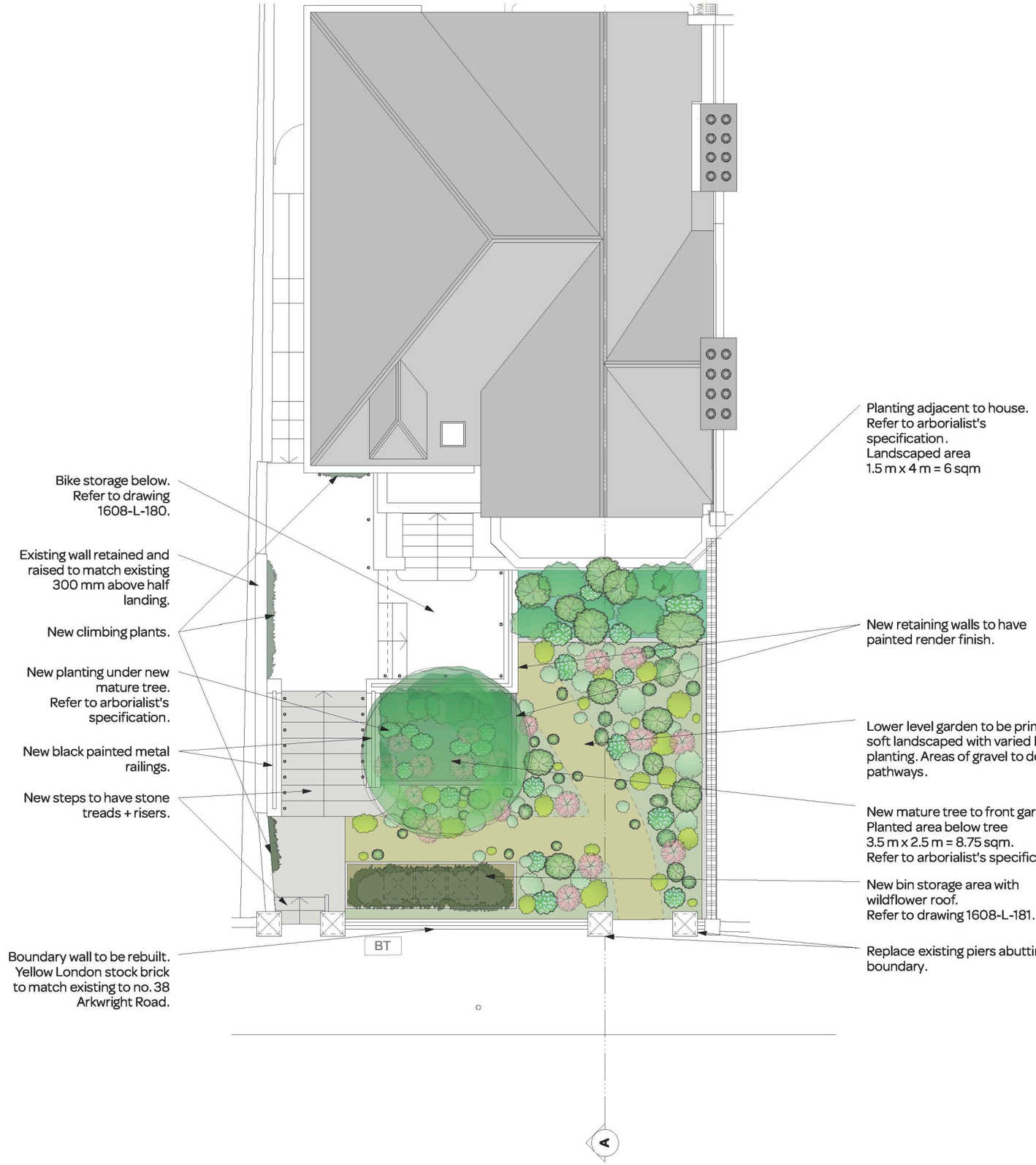
4.4 Carrying out formative pruning (e.g. reduction of the lateral spread of individual branches back to the crown envelope, minor crown lifting to maintain headroom, removal of epicormics growths) and minor remedial pruning (removal of dead or diseased wood) at the end of each season when necessary.

4.5 Between April 01 and September 30 in each year to establishment applying 50 litres water per week via the installed irrigation system, starting after 10 consecutive days' dry weather and continuing until there has been a minimum of 50mm of rainfall within any 5 consecutive days.

4.6 The maintenance contractor's detailed specification covering these minimum requirements will be submitted to the local authority at time of appointment.

Appendix a

Proposed landscape plan



FRONT GARDEN

notes:

General notes:
1. Do not scale drawings. Dimensions govern.
2. All dimensiions are in millimeters unless noted otherwise.
3. All dimensions shall be verified on site before proceeding with the work.
4. Square Feet Architects shall be notified in writing of any discrepancies.

Party Wall Act 1996:
Note: If the project progresses onto site without the involvement of Square Feet Architects the Client must seek advice prior to commencement of the planned works as detailed on the drawings to establish whether the works fall within the scope of the Act which required adjoining property owners to be served with a statutory notice.

C.D.M. Regulations 2015:
These drawings have been produced for the purpose of applying for Planning and Building Regulations only. If the project progresses on to site without the involvement of Square Feet Architects, the client and contractor must ensure that they fulfil the duties in respect of the construction (Design and Management) Regulations 2015.
If advice is required please do not hesitate to contact Square Feet Architects.

KEY

black lines	existing
red lines	new
green lines	to be demolished

0 1000 2000 3000 4000 mm

revision:

G - 04.11.16 - Pathways marked.
F - 01.11.16 - Note added.
E - 13.10.16 - Landscape design updated.
D - 11.10.16 - Electric car charging point removed, vehicular gate replaced with pedestrian one, landscape design revised, living wall removed.
* - 20.07.16

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drawing title:
PROPOSED LANDSCAPE PLAN

client:
Brian Chadwick & Gitta Madani

project:
40, Arkwright Road, NW3 6BH

date:	scale:
April 2016	1:50@A1 1:100@A3

drawing number:	revision:
1608 -L-172	**G**

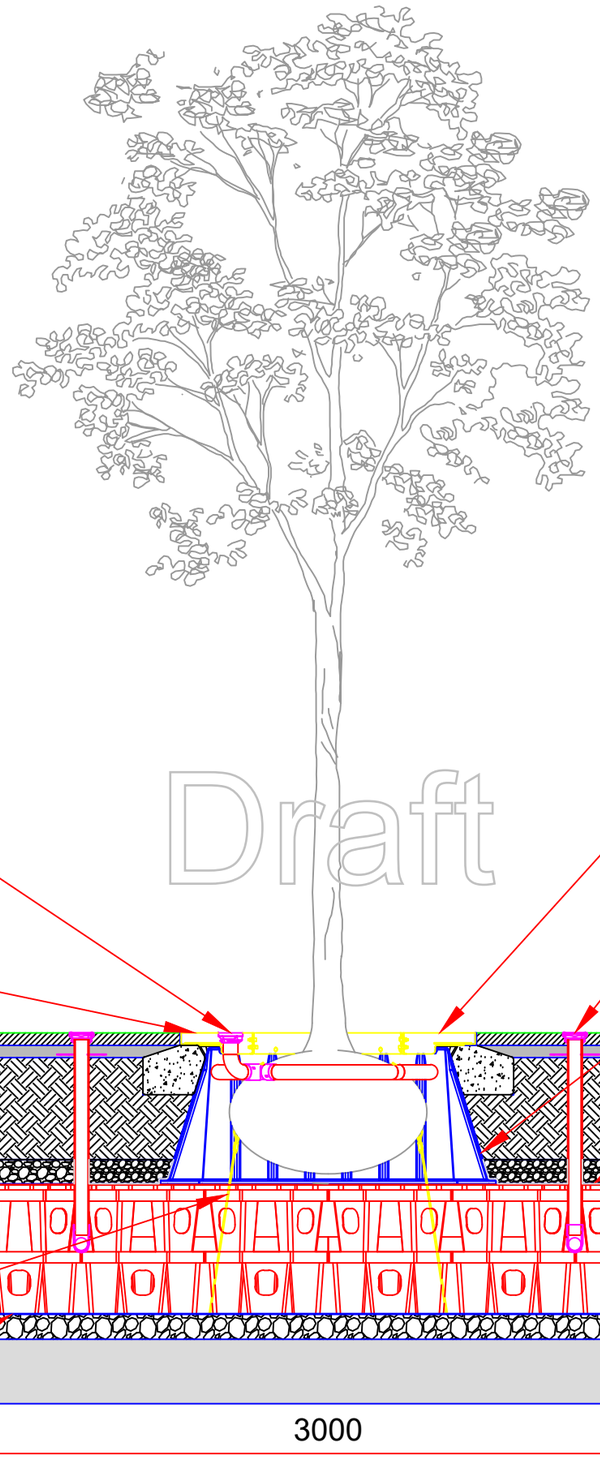
Appendix b

Proposed replacement tree

Photograph 1 *Acer buergerianum* (20-25cm girth)

Appendix c

Tree pit details



Client:
DR G MADANI

Drawing Title:
TREE PIT DETAIL

Job Title:
40 ARKWRIGHT ROAD
LONDON
NW3 6BH

Date: 19.08.16

Scale: 1:25 (A3)

Drawing Number: 485.01.00

Drawn by: RS

DETAILS FROM GREENBLUE URBAN DRAWING GBU 1007
STANDARD TREE PIT SYSTEM INSTALLATION - STANDARD CAR PARK TREE PIT
(TREE GUARD OMITTED)

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