

NOTES

1. All dimensions are to be checked on site prior to the commencement of work and any discrepancy is to be reported to the construction manager before construction.
2. All work is to comply with current Building Regulations and allied legislation.
3. All contractors and sub-contractors must ensure that they have the latest issue of this drawing and details before the commencement of work on site.
4. All materials are to be used and installed in strict compliance with the relevant manufacturers instructions and recommendations.
5. All works on site, managed and implemented as a result of the designs indicated on this drawing, are to be given full consideration for compliance with the Health and Safety (CDM) Regulations in respect of design and implementation on site and no works are to be undertaken if it is considered that compliance with the Building Regulations cannot be achieved.
6. All dimensions shown in millimetres.
7. Footprint of buildings shown at 10m above ground level.

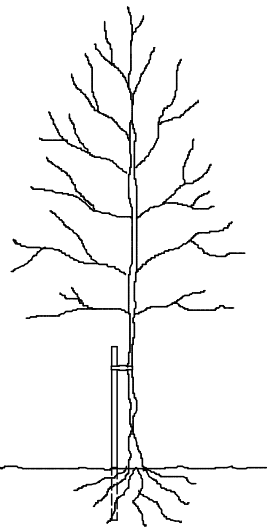
SUSTAINABLE DRAINAGE SOLUTIONS

Sustainable urban drainage systems are a collection of water management practices that aim to align modern drainage systems with natural water processes. SuDS efforts make urban drainage systems more compatible with components of the natural water cycle such as, soil percolation, and rain water harvesting.

These efforts hope to mitigate the effect human development has had or may have on the natural water cycle, particularly surface runoff and water pollution trends. SuDS have become popular in recent decades as our understanding of how urban development affects natural environments, as well as concern for climate change and sustainability, have increased. SuDS often use built components that mimic natural features in order to integrate urban drainage systems into the natural drainage systems or a site as efficiently and quickly as possible.

Our proposed SUD's design consists of the following -

- soakaways
- soft landscaping areas
- permeable driveway finish
- Rainwater harvesting



TREE STAKING DETAIL

TREE STAKING SPECIFICATION

For selected standard trees o/a height 3.0-3.5m. Support using stakes extending to 1.0-1.2m above ground and 0.6-0.75m below ground level (depending on ground conditions).

Supported by single non reinforced tie 75mm from top of stake.

Remove stake on onset of or during the second growing season after planting.

LANDSCAPE SPECIFICATION

Landscaping generally to be carried out in accordance with BS4428. All new trees to be supplied as selected standards unless otherwise noted.

Overall height 3.0-3.5m and 18-21m, straight stem to BS3936 Part 1 1992. Trees supplied with bareroots with polythene wrapping or as noted otherwise, and planted in a min of 3.0 litres peat. Planting beds to be excavated and lined with screened topsoil enriched with peat free compost/fertiliser or similar manure 50mm deep, top dressed with 75mm deep forest bark mulch.

Site to be cleared of all builders rubble and rotavated levelled and tilled before planting commences. Front gardens to be turfed and rear gardens seeded.

All turfing to BS3936 1990.

Pernicious weeds are to be treated with trans-located herbicide during growing season (spot treated).

Tree and shrub planting to BS3936 Part 1 1992.

Sub-soil areas below planting to be de-compacted before planting commences.

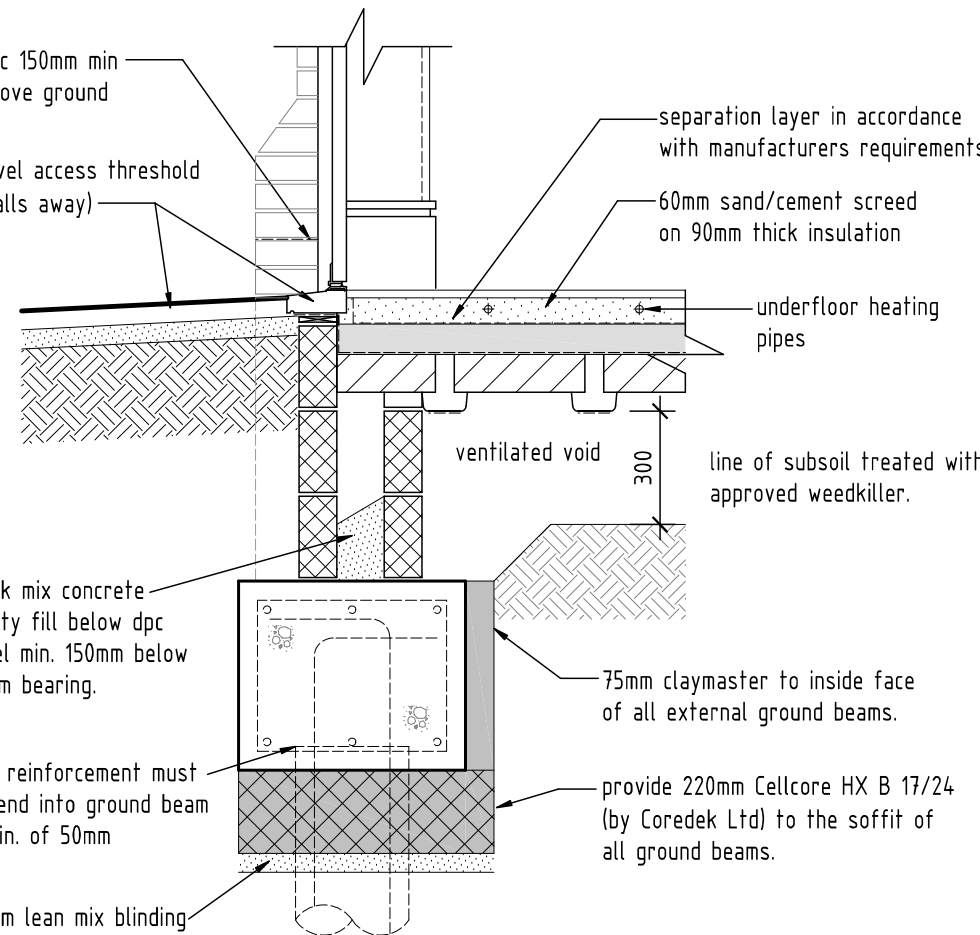
Tree protection to be carried out in accordance with BS5837 2012.

DRIVEWAY SPECIFICATION

Driveway to be finished with permeable resin bound gravel.

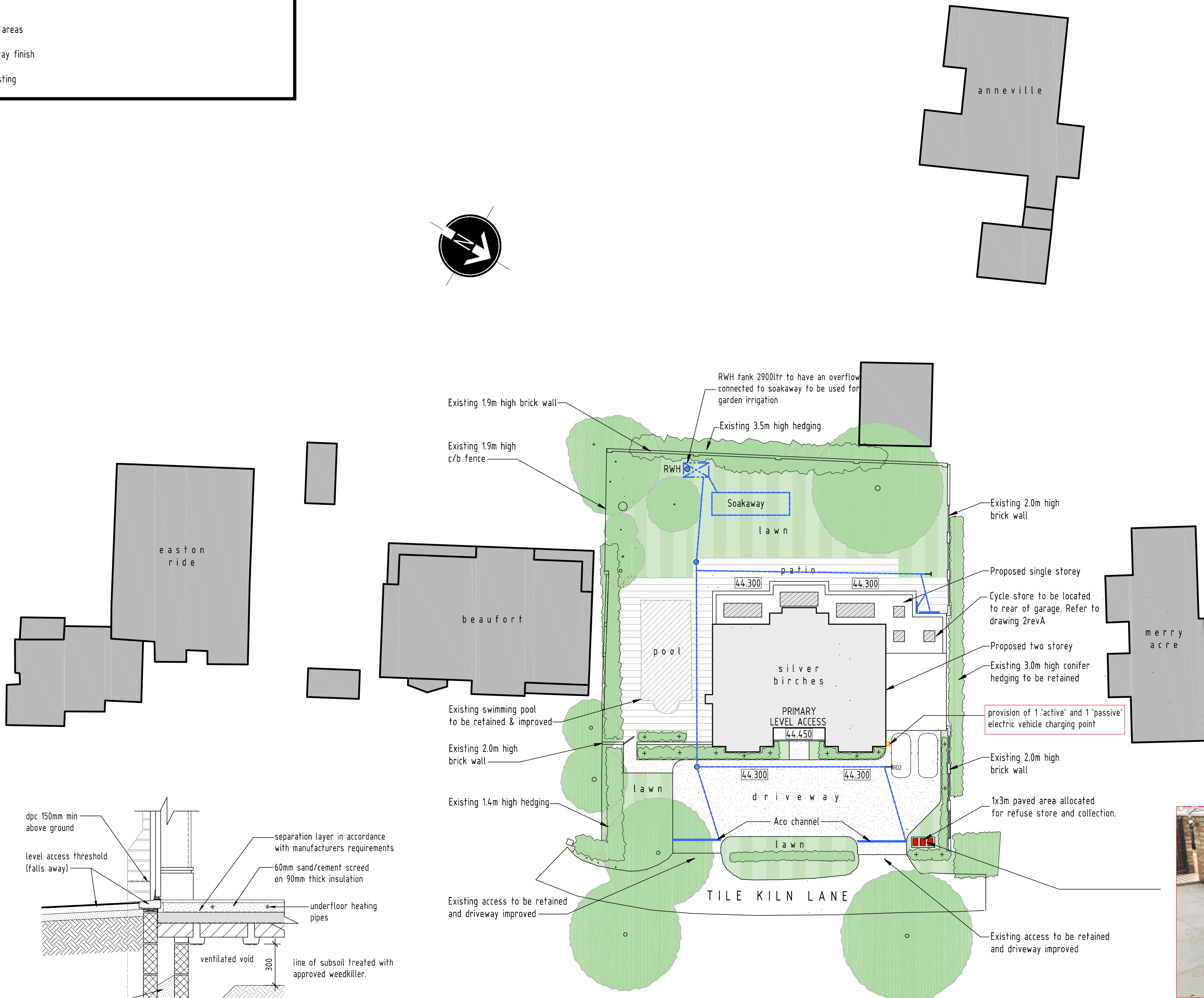
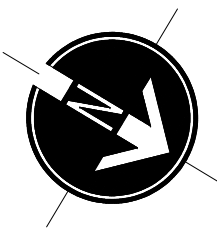
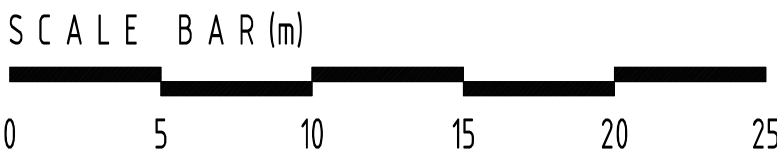
Below the above you need a laying course of a 50mm depth of 6mm clean crushed stone, followed with a sub-base of a 200mm depth of 20mm clean crushed stone with well defined edges. (depth depending on soil conditions)

Crossover to be finished in permeable black tarmac. Construction specification in accordance with local authorities requirements.



LEVEL ACCESS THRESHOLD
SCALE 1:20

Note: this drawing must be read in conjunction with Engineers drawings 202273/ 101



SITE LAYOUT PLAN - SCALE 1:250



BIN REFUSE STORE

Store fits 3 x 240 Litres (additional shelves available for recycling boxes)
Dimensions: Width: 216 cm Depth: 85 cm Back height: 132 cm Front height: 122 cm

LEGEND

- Extent of proposed building
- Existing trees & planting to remain
- Proposed new planting
- Grassed areas
- Proposed permeable patio

SCHEDULE OF IMPLEMENTATION

Please note ALL new planting is to be implemented between the months of November to March in the first planting season following the completion of works

PROPOSED PLANTING LEGEND

Fagus Sylvatica - Common Beech Hedging

Planted in double rows at 600mm c/c and staggered, height 500-750mm, pot size 4 litres.

Fagus Sylvatica (also known as the Common Beech or European Beech) is native to South Wales and the southern United Kingdom and belongs to the family of Fagaceae. This is a popular hedging variety of Fagus Sylvatica, which although deciduous, gets its new leaves early every year. In the autumn, its old leaves drop off very slowly, often remaining on the plant throughout the winter. These features make it suitable for hedging. In fact, beech is one of the most popular deciduous hedging plants in the UK. In the winter season we also have this plant available in bare root form.

Fagus Sylvatica produces new foliage between March and April each year. The shape of the leaves are ovate. New leaves emerge in spring in hues of beautiful green-yellow. As the foliage matures over the summer, the leaves become a deeper green. In autumn, they turn reddish-brown. Fagus Sylvatica is monoecious, meaning it produces both male and female flowers, which it produces during late April and May. Female flowers grow in pairs and are green. Male flowers are in the form of catkins and drape elegantly from long stalks. After the flowering period, edible beech nuts are produced, which these days, are mainly used to feed livestock. Whole enriched oil-nuts start forming in autumn, around September. The leaves of common beech take some time to decay completely.

Fagus Sylvatica can live for hundreds of years and is UK hardy for all regions of United Kingdom. Beech is wild-life friendly providing shelter and food for many species. It is not overly fussy about soil type but thrives in limestone or chalky soils.

C	31-01-2021	Bin refuse store added
B	25-01-2021	LA comments added
A	14-10-2021	SUD's and level access added

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drawing: PLANNING PROPOSALS,
LANDSCAPING & SUD'S DESIGN

project: LAND AT SILVER BIRCHES,
TILE KILN LANE, HAREFIELD, UB9 6LU

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