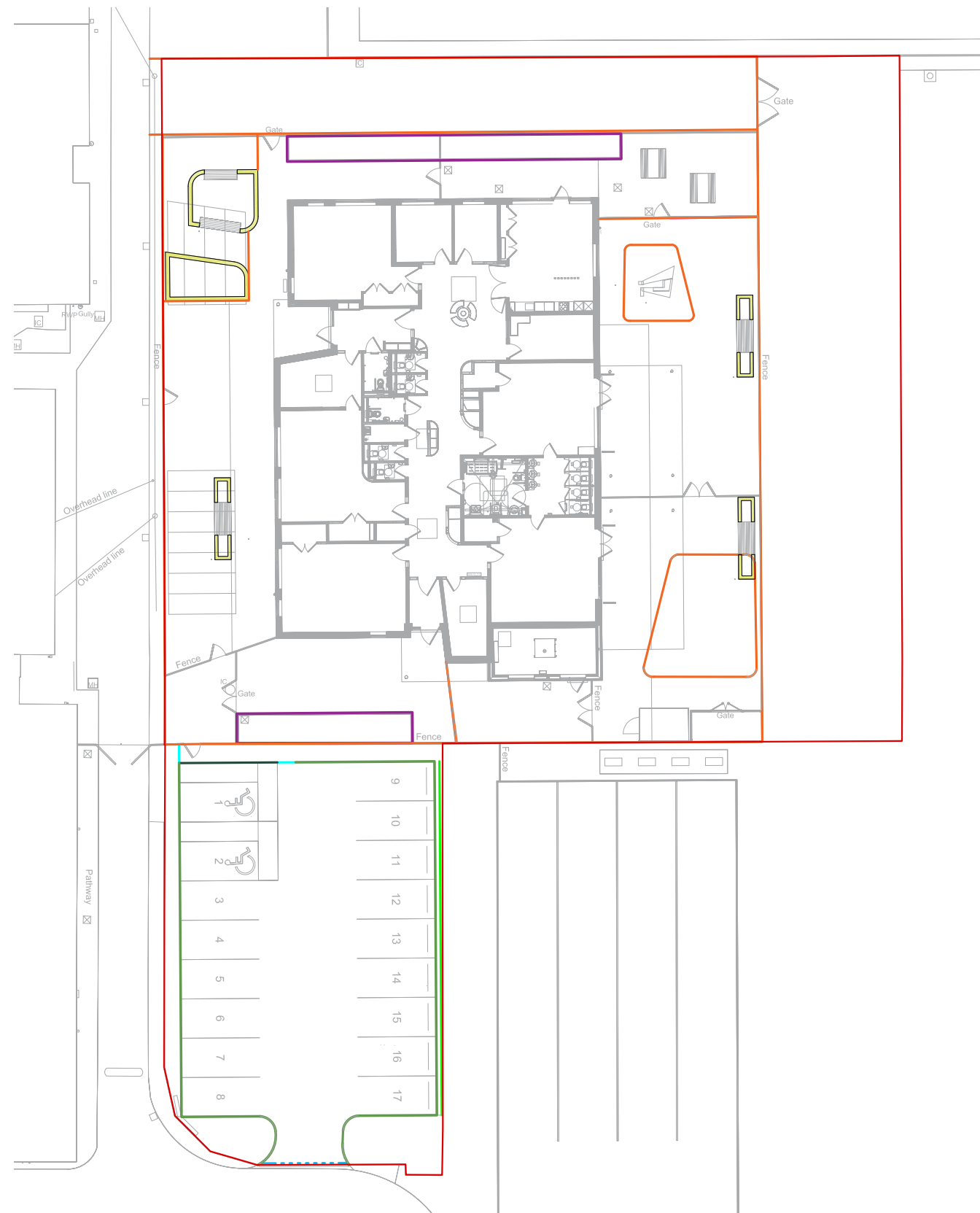


○ 1.0 HARD LANDSCAPE SPECIFICATION



EDGING / METAL KEY

-  **PROPOSED METAL EDGING**
Height: 50mm
-  **PROPOSED RAISED PLANTER**
• Height: 450mm
-  **PROPOSED FLUSH EDGING**
• PCC Flat Top Edging Kerb - 150(d) x 50mm
• Installed flush
• Refer to 22639-RLL-25-XX-DR-C-2220
-  **PROPOSED 6MM UPSTAND KERB**
• 6mm upstand
• PCC BN3 Kerb -150(d) x 125mm
• Refer to 22639-RLL-25-XX-DR-C-2220
-  **PROPOSED TRANSITION KERB**
• 0-6mm upstand
• PCC Transition kerb - HB2 to BN - 125mm
• Refer to 22639-RLL-25-XX-DR-C-2220
-  **PROPOSED 125MM UPSTAND KERB**
• 125mm upstand
• PCC HB2 Kerb - 255(d) x 125mm
• Refer to 22639-RLL-25-XX-DR-C-2220
-  **PROPOSED PRIVATE LINED FILTER DRAIN**
• Refer to 22639-RLL-25-XX-DR-C-2220
-  **PROPOSED CHANNEL DRAIN**
• Refer to 22639-RLL-25-XX-DR-C-2220

○ 1.0 HARD LANDSCAPE SPECIFICATION



PROPOSED METAL EDGING

- Aluminium angle planter edging
- Height: 50mm



PROPOSED RAISED PLANTER

- Height: 450mm



PROPOSED FLUSH EDGING

- PCC Flat Top Edging Kerb - 150(d) x 50mm
- Installed flush
- Refer to 22639-RLL-25-XX-DR-C-2220



PROPOSED 6MM UPSTAND KERB

- 6mm upstand
- PCC BN3 Kerb -150(d) x 125mm
- Refer to 22639-RLL-25-XX-DR-C-2220



PROPOSED TRANSITION KERB

- Aluminium angle planter edging
- Height: 50mm



PROPOSED 125MM UPSTAND KERB

- 125mm upstand
- PCC HB2 Kerb - 255(d) x 125mm
- Refer to 22639-RLL-25-XX-DR-C-2220



PRIVATE LINED FILTER DRAIN

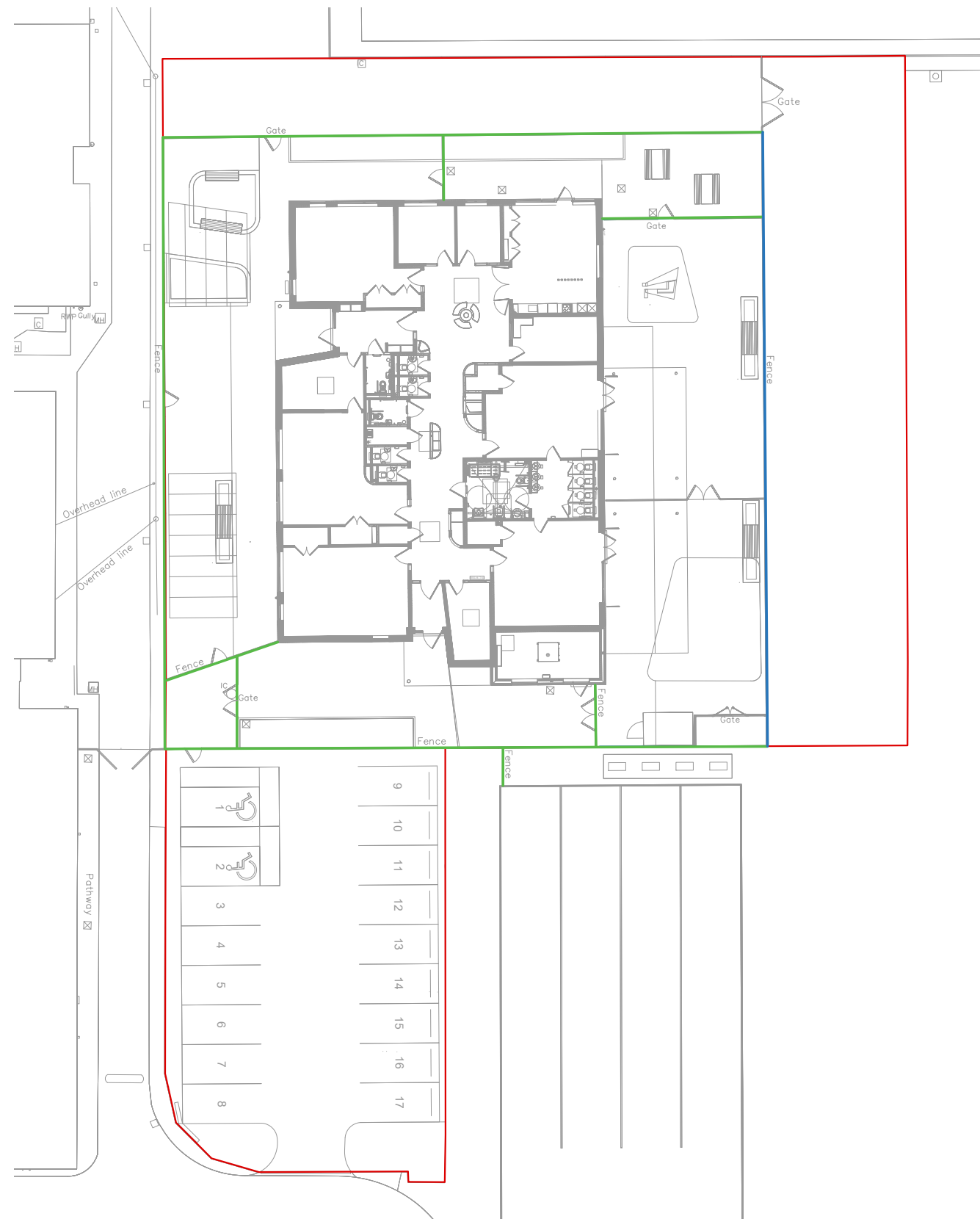
- Refer to 22639-RLL-25-XX-DR-C-2220



PROPOSED CHANNEL DRAIN

- Refer to 22639-RLL-25-XX-DR-C-2220

○ 1.0 HARD LANDSCAPE SPECIFICATION



EDGING / METAL KEY



SECURITY FENCE

- Anti climb fence
- Height: 2400mm



PROPOSED FENCE

- High black bow top railing
- Height: 1500mm

○ 1.0 HARD LANDSCAPE SPECIFICATION



SECURITY FENCE

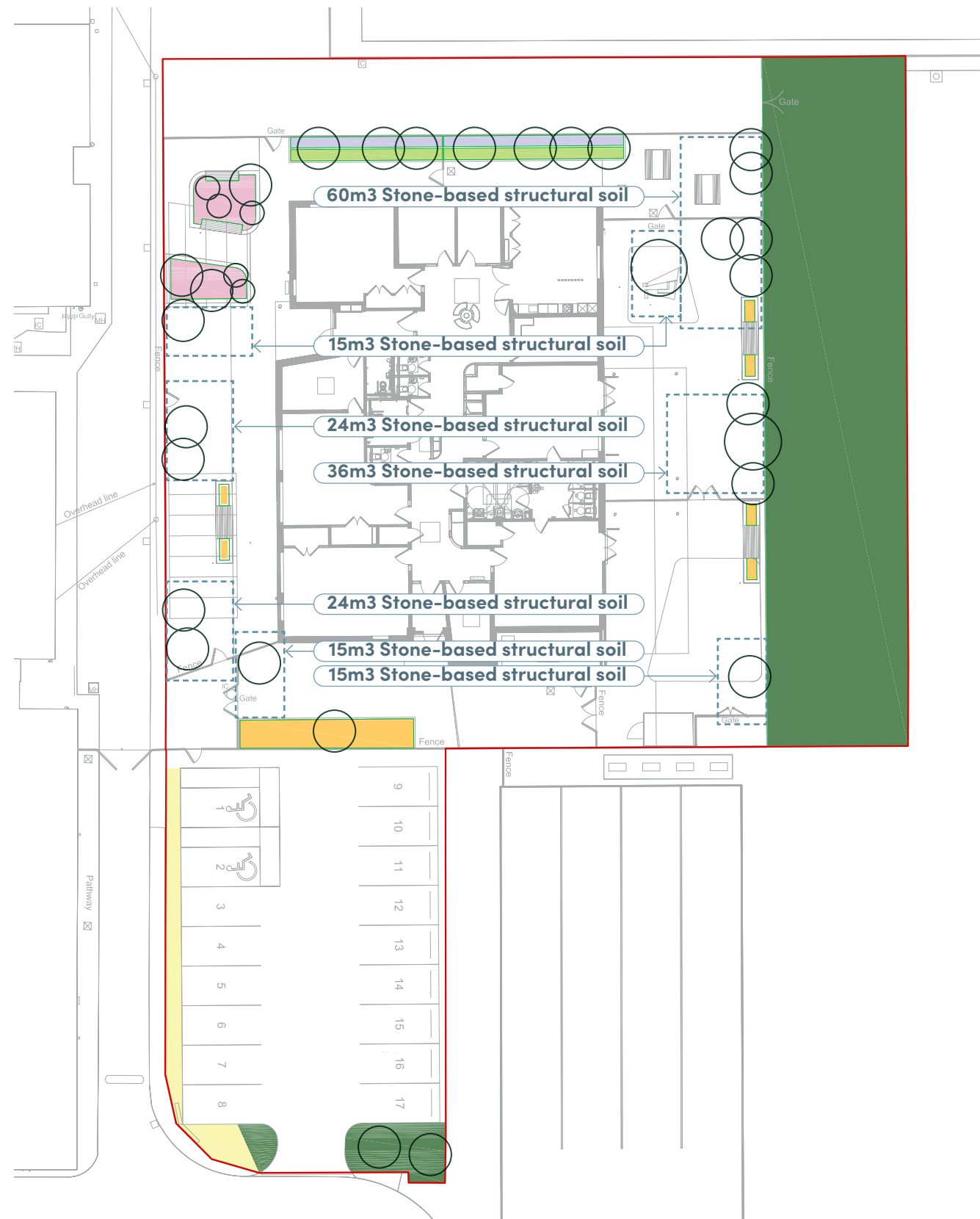
- Anti climb fence
- Height: 2400mm



PROPOSED FENCE

- High black bow top railing
- Height: 1500mm

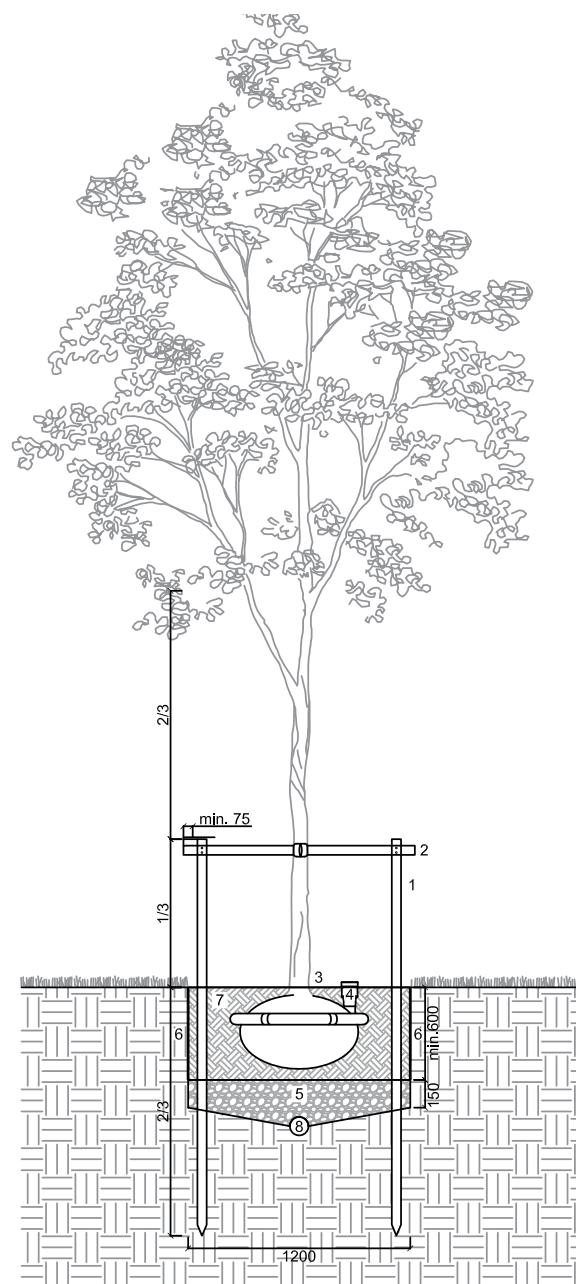
○ 2.0 SOFT LANDSCAPE SPECIFICATION



SOIL DEPTH KEY

- PROPOSED SENSORY GARDEN MIX**
 - Top soil depth: 450mm
- PROPOSED SCREENING MIX**
 - Top soil depth: 450mm (300 mm minimum)
- PROPOSED ORNAMENTAL MIX 1 - SHADE**
 - Top soil depth: 450mm (300 mm minimum)
- PROPOSED ORNAMENTAL MIX 1 - SHADE**
 - Top soil depth: 450mm (300 mm minimum)
- PROPOSED CAR PARKING MIX**
 - Top soil depth: 450mm (300 mm minimum)
- MODIFIED GRASSLAND**
 - Top soil depth: 150mm
- PROPOSED TREES**
TREES IN SOFTLANDSCAPE
 - Top soil depth: 600mm minimum
- TREES IN HARDLANDSCAPE**
 - Top soil depth: 1200mm
 - Stone-based structural soil: small trees 15m3 (12m3 if shared), medium trees 26m3 (20m3 if shared)

○ 2.0 SOFT LANDSCAPE SPECIFICATION



DOUBLE STAKED TREE IN AREAS OF SOFT LANDSCAPE

1. Pressure treated turned timber stakes with a minimum diameter of 75mm and minimum length of 1800mm. The height above ground should be $\frac{1}{3}$ of the total height between ground level and first scaffolding branches. Stakes shall be shaped at the top and positioned to avoid damage to the rootball or other areas of the installation.
2. Pressure treated timber cross bar 100mm x 30mm with heavy duty rubber strap fixed to the timber with galvanised mild steel clout nails.
3. 75mm deep bark mulch to be spread over a 1.2m diameter area around the tree trunks.
4. Plastic irrigation pipe with filter cap.
5. Minimum 150mm deep clean free draining gravel at the bottom of the planting pit above drainage connection.
6. Tree pit root director to slides of tree pit adjacent to hardstanding or within 3m of any underground services.
7. Tree pit to be filled with topsoil to a maximum depth of 300mm enriched with sanitised and stabilised composted material certified to PAS 100 and mycorrhizal inoculant, over 200mm deep approved subsoil. Compost to be applied at a rate of 25kg/m³.
8. Positive drainage connection via 100mm diameter perforated WavinCoil pipe. Drainage design to be agreed with engineer.

NOTE:
Bottom of tree pit to be broken up to a depth of 100mm. Where trees are planted within 3m of any underground services, service trenches should be lined with a linear root barrier.



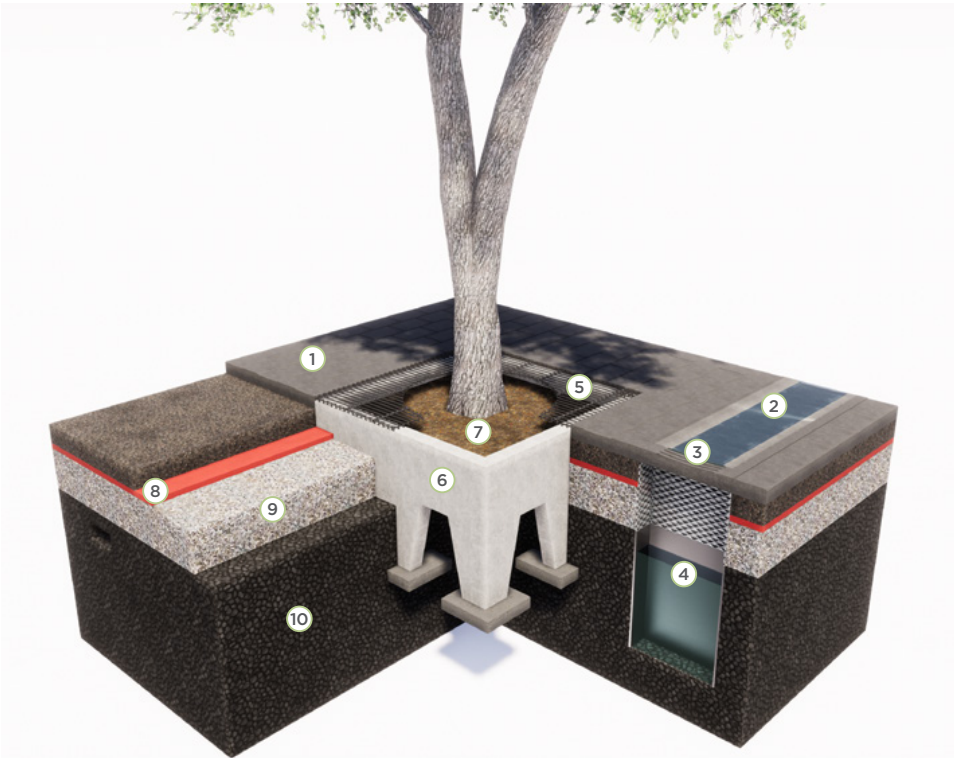
PROPOSED TREES

TREES IN SOFTLANDSCAPE

- Top soil depth: 600mm minimum

TREE PITS WITH STRUCTURAL SOILS | PRACTICE NOTE

The Stockholm system (structural soil with biochar)



[Image courtesy of Davies Landscape Architects]



PROPOSED TREES

TREES IN HARDLANDSCAPE

- Top soil depth: 1200mm
- Stone-based structural soil: small trees 15m³ (12m³ if shared), medium trees 26m³ (20m³ if shared)



Diagram notes:

- 1 Standard paved surface with base course (this does not need to be permeable)
- 2 Channel to divert rainwater into the tree pit
- 3 Inlet/gully grate for water ingress and gaseous exchange
- 4 Aeration well with silt trap (available from www.stockholmtreepits.co.uk)
- 5 Tree grille
- 6 Concrete frame (available from www.stockholmtreepits.co.uk)
- 7 The concrete frame is filled with topsoil
- 8 Separation geotextile
- 9 Aeration layer, this is a 200mm layer of 20-40mm clean stone. Water from the inlet(s) is also distributed through this layer.
- 10 Structural soil is made up of 32-63mm clean stone combined with a 1:1 mix of enriched biochar and compost (15% volume)

○ 2.0 SOFT LANDSCAPE SPECIFICATION

GENERALLY

Materials, goods and workmanship shall be the best quality of their respective kinds, and those for which there is a British Standard or Code of Practice shall comply therewith. In regard to the timing of Horticultural Works, planting shall be carried out between November and March subject to suitable weather conditions. Suitable weather conditions shall mean when the ground is moist but not wet and is workable. Planting shall be suspended during periods of drought, when soil is frost-bound or waterlogged, during persistent drying cold winds or during any other conditions unfavourable to successful establishment. All supply, planting and other landscape works to be in accordance with relevant British Standards and Codes of Practice. Works to be undertaken by a competent and accredited landscape contractor with 12 months Defects Liability/ in contract maintenance.

ORIGIN OF PLANTS, CERTIFICATION AND LABELLING

- All plants shall have been obtained from a reputable nursery and grown within the British Isles for at least one growing season if stock of local provenance is not available. The contractor shall provide a Certificate of Local Provenance and confirmation that all plants supplied comply with the specification.
- Plant samples shall be approved on site by the Landscape Architect prior to planting.

SOIL

- Soil to be free of pests, disease, fungus and foreign matter. Do not use topsoil contaminated with subsoil, rubbish or other materials that are corrosive, explosive, flammable, hazardous to human or animal life or detrimental to healthy plant growth. The Contractor shall appoint a suitably qualified and approved, independent Soil Scientist to undertake the sampling and testing of the soil materials considered for importation. An approved Soil Scientist is: Tim O'Hare Associates LLP, Howbery Park, Wallingford, Oxon, OX10 8BA, Tel: 01491 822653, www.toha.co.uk
- Subsoil to be in accordance with BS 3882 'Specification for topsoil'. Green compost for soil amelioration to be incorporated into soil for tree and shrub planting to be in accordance with BSi PAS 100:2011 or current revision and sourced from a PAS 100 compliant facility. Fertilizer to be incorporated into soil for tree and shrub planting: Scotts Enmag CRF (11%N:22%P2O5:9%K2O:6%MgO).
- Prepare undisturbed topsoil in accordance with BS 4428 'Code of Practice for general landscape operations': Break up hard ground thoroughly, remove visible roots and large stones with a diameter greater than 50 mm, dig areas covered with turf over to full depth of topsoil and treat weeds at appropriate times with a suitable translocated non-residual herbicide.
- Prepare subsoil by excavating/placing fill to the required profiles, loosening thoroughly when ground conditions are reasonably dry to a depth of 450mm and removing stones larger than 50mm, arisings, contaminants, debris and builders' rubble.
- Spread topsoil in layers of layers of 150mm maximum depth and gently firm each layer before spreading the next. After spreading topsoil, when weather and ground conditions are suitably dry and non-plastic, the soil profile shall be ripped at 300mm centres to a minimum depth of 300mm (grass areas) or 600mm (shrub beds, hedges) to decompact the soils and key in the topsoil and subsoil layers. Any large, compacted lumps of soil shall be broken down by further appropriate cultivation (in accordance with BS 4428) to produce a fine tilth suitable for planting (<30mm), turfing and seeding (<10mm). Cultivations shall ensure that the topsoil is fully aerated.
- In order to avoid physical degradation to the soil during all phases of soil handling (e.g. spreading, cultivation, amelioration, planting, turfing and seeding), soil handling operations shall be carried out when soil is non-plastic (friable) in consistency (i.e. at least 5% below the soil's lower plastic limit). Soil shall not be unnecessarily compacted by trampling or trafficking by site machinery or handled when frozen or during and after heavy rainfall.

TIMINGS

- Deciduous trees and shrubs: Late October to late March. Field-grown trees and shrubs planted out of season to be spring-ringed at nursery.
- Conifers and evergreens: September/ October or April/ May.
- Herbaceous plants: September/ October or March/ April.
- Container grown plants: At any time if ground and weather conditions are favorable.
- Provide watering and weed control as necessary.

STANDARD

All planting to be carried out in accordance with BS 4428 and during suitable weather conditions. Do not use mechanical tools within 100mm of tree and plant stems. Water as necessary to ensure establishment and continued thriving of planting. Plants to be materially undamaged, sturdy, healthy and vigorous specimen, of good shape and without elongated shoots, grown in a suitable environment and hardened off and free from pests, diseases, discolouration, weeds and physiological disorders. Plant standard to BS 3936 'Nursery stock'. Name, forms, dimensions, provenance and other criteria as scheduled and defined in the National Plant Specification. Plant handling shall be in accordance with HTA 'Handling and establishing landscape plants'.

ORIGIN OF PLANTS, CERTIFICATION AND LABELLING

All plants shall have been obtained from a reputable nursery and grown within the British Isles for at least one growing season if stock of local provenance is not available. The contractor shall provide a Certificate of Local Provenance and confirmation that all plants supplied comply with the specification. Plant samples shall be approved on site by the Landscape Architect prior to planting.

MULCH TO GARDENS

- 75mm deep FSC approved bark mulch
- Samples to be submitted for consideration and approval by the Landscape Architect prior to use on site.

PLANTING

- Ornamental planting: Planting density generally unless stated otherwise: 9/m², 2L container, planted in groups of 5-9. Planting bed depth to be 450mm minimum (of which 300mm topsoil and 150mm loosened base of planting bed). Finished level of mulch to be 25-30mm below adjacent grassed areas.

PEAT FREE SHRUB PLANTING COMPOST

- Documentary evidence will be requested of the use of peat free soil materials must be supplied from nursery growers and suppliers for plants that are not soil grown.
- Organic composted material must be graded 25mm and free from biodegradable material.

SOFTWORKS MAINTENANCE GENERAL TASKS

1. Maintenance visits to be made fortnightly during the growing season and as necessary thereafter.
2. Keep all beds clear of weeds by hand cultivation. Do not use herbicides within planting beds.
3. Keep all beds clear of litter and rubbish.
4. Ensure plants have adequate supply of water.
5. Ensure all shrubs are checked for wind damage including staking requirements.