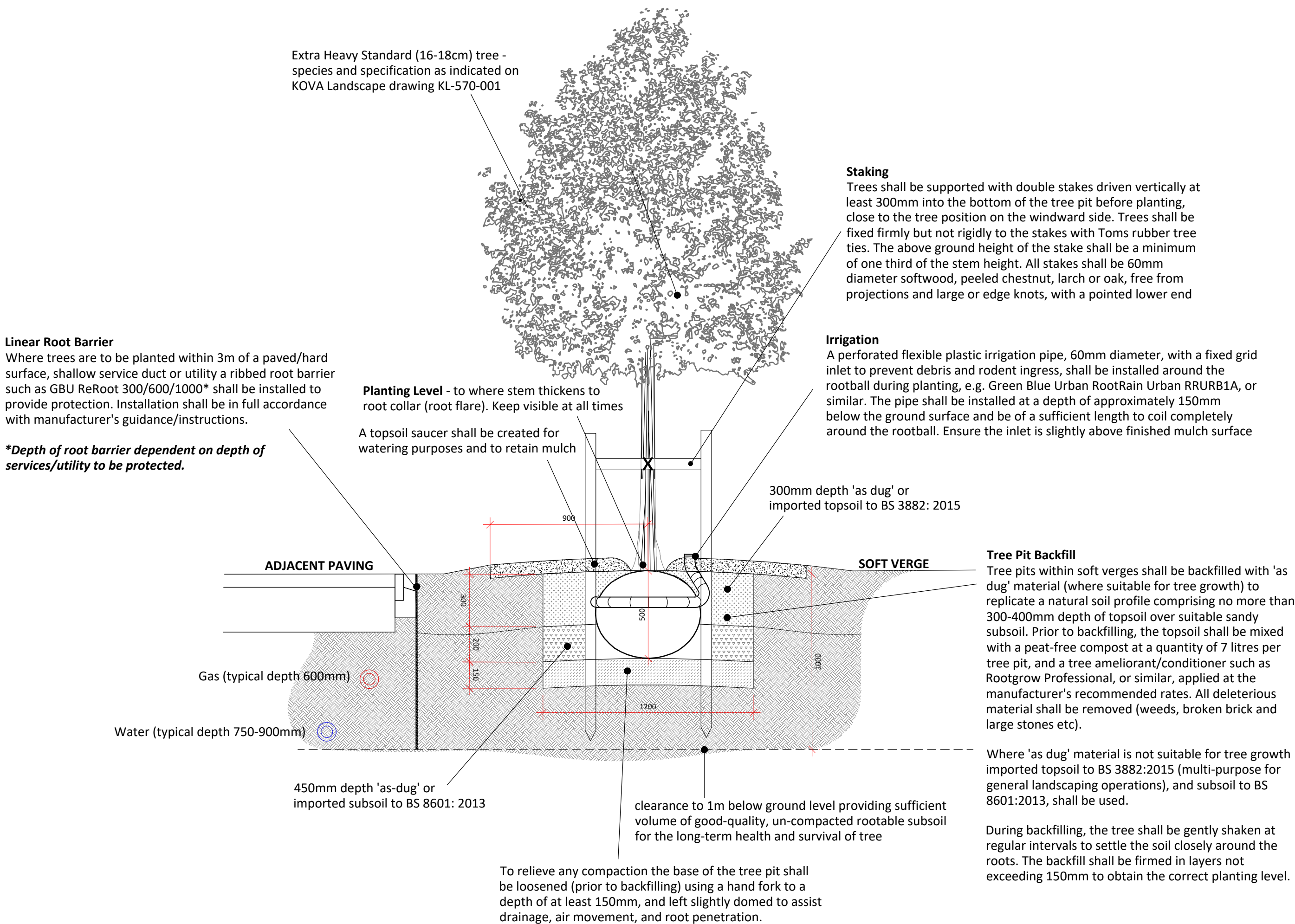


TYPICAL TREE PIT DETAIL - PROPOSED EXTRA HEAVY STANDARD (16-18cm)

Installation into soft verge adjacent to paved/hard surface, underground service or utility (with root barrier protection)



REMEDICATION OF EXISTING SOILS IN AREAS OF TREE PLANTING

Topsoil

Where there is insufficient depth - topsoil shall be imported in accordance with BS 3882: 2015: multi-purpose for general landscaping operations

Imported topsoil shall be spread in layers not exceeding 150mm depth to achieve the depths as specified below. Finished levels shall be smooth flowing, free of minor hollows and high spots and marry neatly with paving, kerbs, edgings, manhole covers and existing levels.

Soil handling operations shall be carried out when the soil is reasonably dry and non-plastic (friable) in consistency (at least 5% below the Lower Plastic Limit). Topsoil shall not be unnecessarily compacted by trampling or trafficking of site machinery. Topsoil handling shall be stopped during and after heavy rainfall, and not continued until the soil is again non-plastic in consistency.

Any areas of topsoil that are contaminated with subsoil shall be replaced. Any rubbish, bricks, concrete, tarmac and other deleterious material shall be removed. Topsoiled areas shall be in an un-compacted and uncontaminated state prior to final cultivation.

Subsoil

Where there is insufficient depth excavate and dispose of material, loosen the formation and make up with additional subsoil or second quality topsoil to ensure a minimum depth of 1m below finished ground level. Grade to smooth flowing contours to achieve specified finished levels of topsoil.

Imported subsoil/second quality topsoil shall be supplied in accordance with BS 8601: 2013. It shall be free of pests, diseases, visible fragments and roots of aggressive weeds, sticks, straw, turf and significant quantities of foreign matter such as building materials, vegetation, lumps of clay, and the like. Do not use any materials contaminated with rubbish or other materials that are:

- corrosive, explosive, or flammable
- hazardous to human or animal life
- detrimental to healthy plant growth

Prior to the placement of topsoil, and when ground conditions are reasonably dry, the subsoil shall be thoroughly loosened to full depth. Remove any stones larger than 75mm and other items including bricks, kerbs, lumps of concrete, plaster, timber, plastic, glass, metal and any other building debris brought to the surface.

New Tree Planting Adjacent Services & Structures

All trees and shrubs, whether existing, felled, or proposed, on or adjacent to the site shall be taken into consideration by the applicant's structural engineer when calculating foundation types and depths.

- No tree shall be planted within 6m of centreline of an adoptable sewer unless appropriate protection is provided (subject to water authority approval)
- All trees planted within 3m of a building or heavily loaded structure shall have their roots deflected away by means of a high density deep application root barrier to avoid direct damage from future tree growth.
- All trees within 2m of a masonry boundary wall, or within 3m of any hard paved surface or underground service, shall have their roots deflected away by the installation of a tree root barrier system to avoid direct damage from future tree growth.

Root Barrier System

- For protection of building foundations: ReRoot 2000 high density deep application root barrier as supplied by GreenBlueUrban Ltd., or similar
 - For protection of pavements only (surround applications): Root Director preformed root protection system as supplied by GreenBlueUrban Ltd., or similar; size dependent on predicted girth (circumference) of mature trunk (to be advised by manufacturer)
 - For protection of pavements & underground services/utilities(linear applications): ReRoot ribbed root barrier as supplied by GreenBlueUrban Ltd., or similar; size dependent on predicted girth (circumference) of mature trunk (to be advised by manufacturer)
- Installation shall be in full accordance with manufacturer's instructions.

The Landscape Contractor shall be responsible for acquiring 'As-Built' drain and service plans before commencing work on site.

PLANNING

P1: First Issue		LK	08.04.24
Revisions:		Dwn:	Date:
Client:	Acornfield Properties Limited		
Project:	Acornfield Road - Industrial Re-development		
Drawing:	Tree Pit Detail		
Date:	08.04.2024	Drawn:	LK
Dwg No:	KL-570-002	Scale:	1:250 @ A0
Revision:	P1		
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