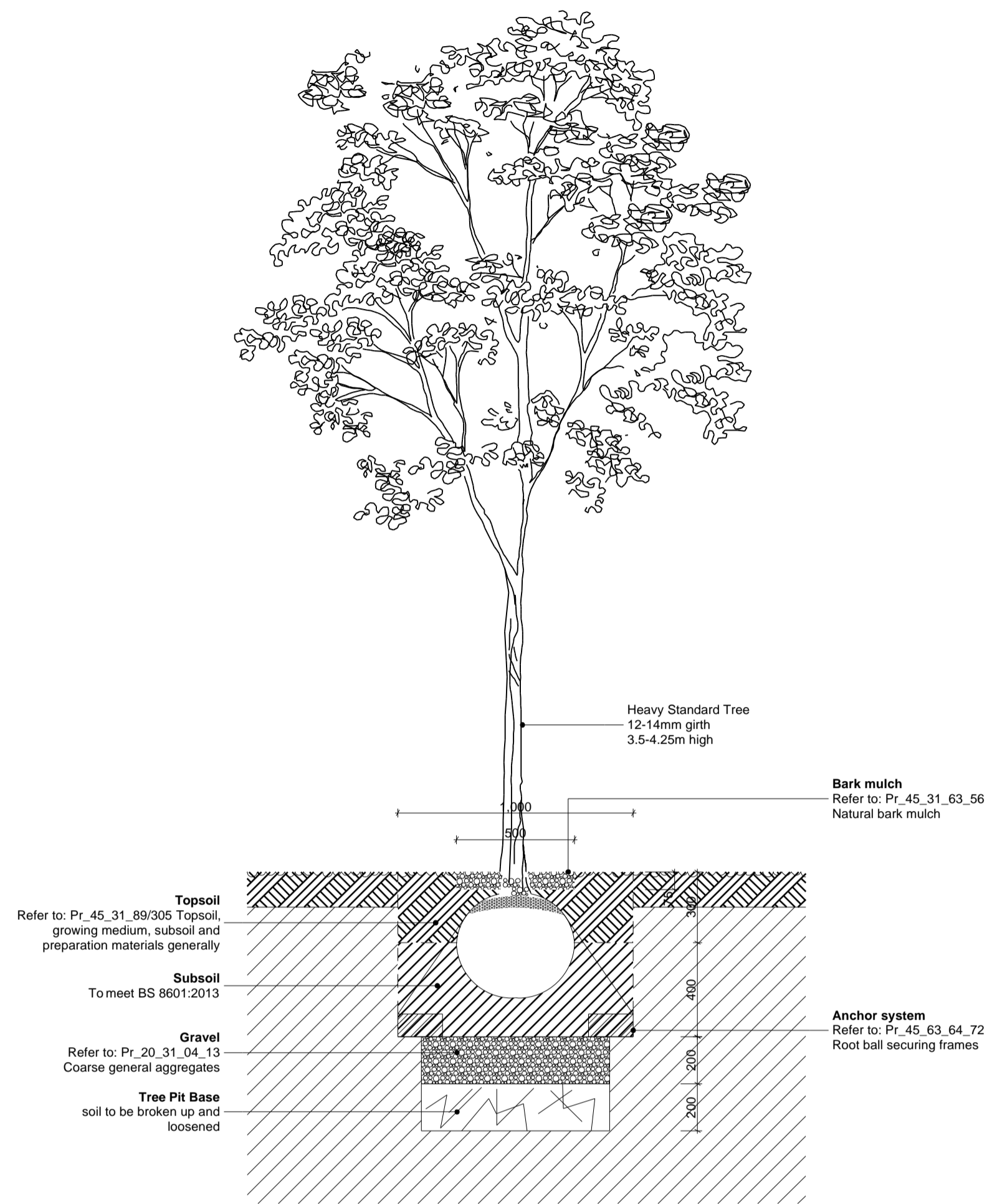


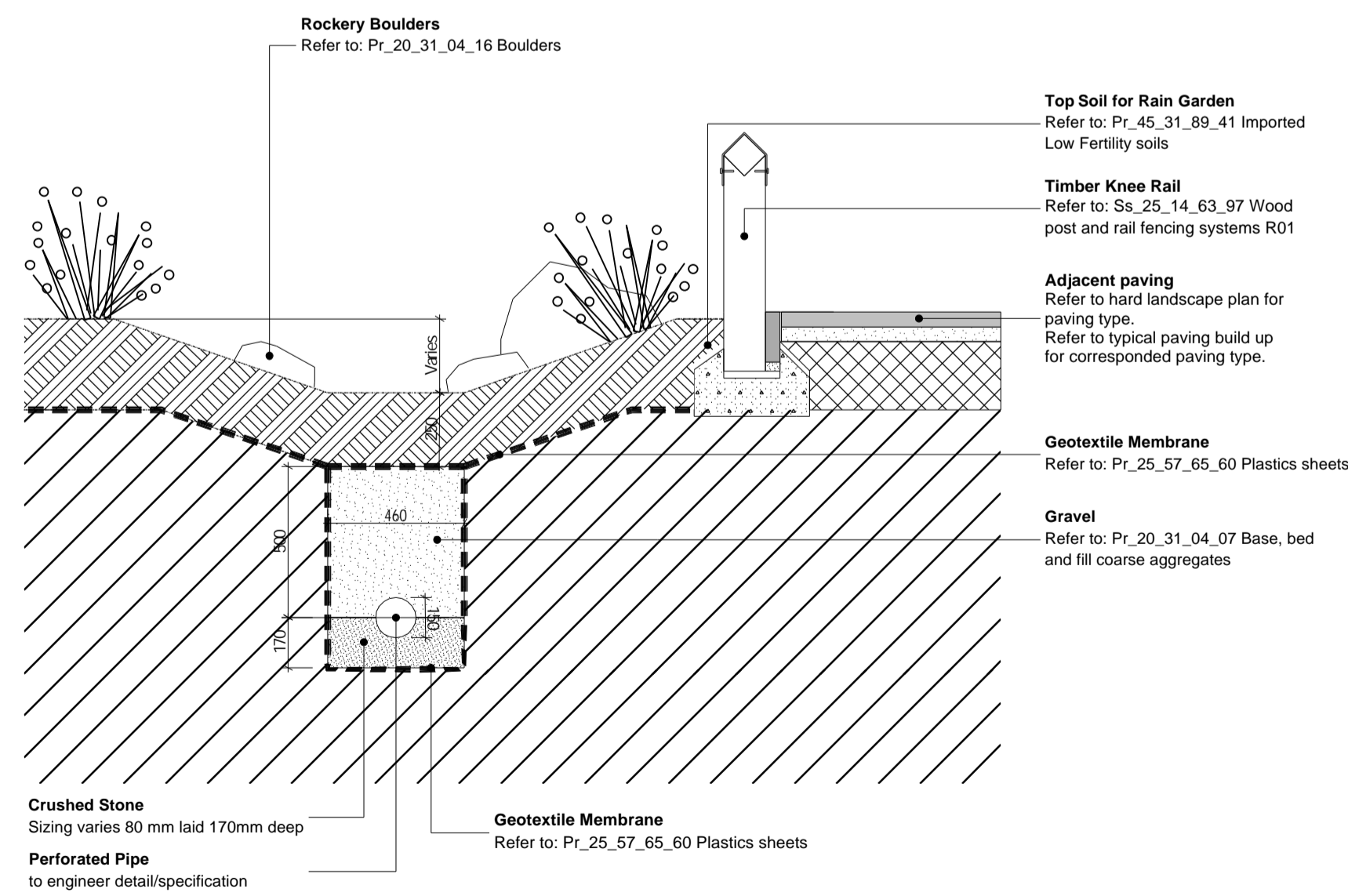
References
 BS 5837:2012 Trees in relation to design, demolition and construction - Recommendations, BSI, 2012
 BS 3882:2007 Specification for topsoil and requirements for use, BSI, 2007
 Construction Code of Practice for the Sustainable Use of Soils on Construction Sites, DEFRA, 2009

NOTES:
 Soil depths
 A topsoil depth of 300mm is recommended for tree pits, (British Standard for Topsoil - EN3882:2015, and DEFRA's Construction Code of Practice for the Sustainable Use of Soils on Construction Sites). The rootball should sit on subsoil, and with bigger rootballs, the subsoil will also sit around the lower portion of the rootball.
 Small rootballs
 For trees with a smaller rootball (up to 300-400mm deep) that are being planted into in-situ, undisturbed ground, it is far better to minimise the size and dimensions of the tree pit to limit the destruction of the soil's structure.
 The tree pit should be as shallow as possible, and usually only requires excavation to the depth at which the rootball will sit. Ensure decapsulation of the soil to the base of the pit and scarify the sides if smearing has occurred.
 After placing the rootball, the pit can be backfilled with the excavated topsoil, ensuring that any soil ameliorants have been evenly mixed with the backfill topsoil.
 Larger rootballs
 For larger trees, this will require excavation into the subsoil. Where the subsoil is a particularly heavy-textured soil (silty or clayey), as expected on this site, it is preferable to use a high-sand content subsoil to sit the rootball upon and with which to surround its lower portion. Sands and sandy subsoils will support the weight of the rootball better, and thereby prevent later settlement. A coarser sand with a narrow particle-size distribution will also be able to maintain a reasonable porosity even in the compacted environment below the rootball, thereby ensuring it will have good aeration, drainage and water storage properties. Roots will grow well into a sandy subsoil due to its oxygen and water capacity.
 Container grown stock
 Trees to be planted in accordance with BS 8545:2014.
 Remove the pot prior to planting. Fibrous roots should hold the compost rootball together once the container is removed. If the compost ball falls apart the tree should be rejected as there has been inadequate root development.
 Ensure that any fibrous root growth or excess compost above the root flare is removed and that the root flare is clearly visible prior to planting.
 Shave off any minor roots that are showing evidence of circling (trees with major circling roots should have been rejected on delivery).
 Ensure that the container compost is moist / well watered prior to planting.
 The planting pit should be no deeper than the existing container depth.
 Tree pits should have a diameter at least 75mm greater than that of the root system.
 All Tree planting
 The tree pit should be treated as a 'transitional zone' between the 'nursery soil' (in the field or a container-pot) and the 'real world'. It is the rooting environment that needs to minimise transplant stress, and promote healthy root growth to optimise tree establishment and longevity.
 General Notes:
 - The tree pit should be saturated to field capacity immediately after planting.
 - Trees are to be supplied and handled in accordance with BS8545:2014
 - Where more than one tree of a particular species or variety is specified the trees should be as similar as possible.
 - Root balled trees shall be handled by the root ball in a manner that does not deform the shape of the root ball. Trees will not be lifted by the trunk.
 - Irrigate trees as soon as they arrive at the planting site. After trees are unloaded from the truck, they shall be stood and stored in the erect position and irrigated twice daily with 25 litres per 25mm trunk diameter until planted. Shrink wrapped root-balled trees shall be stored in the shade.



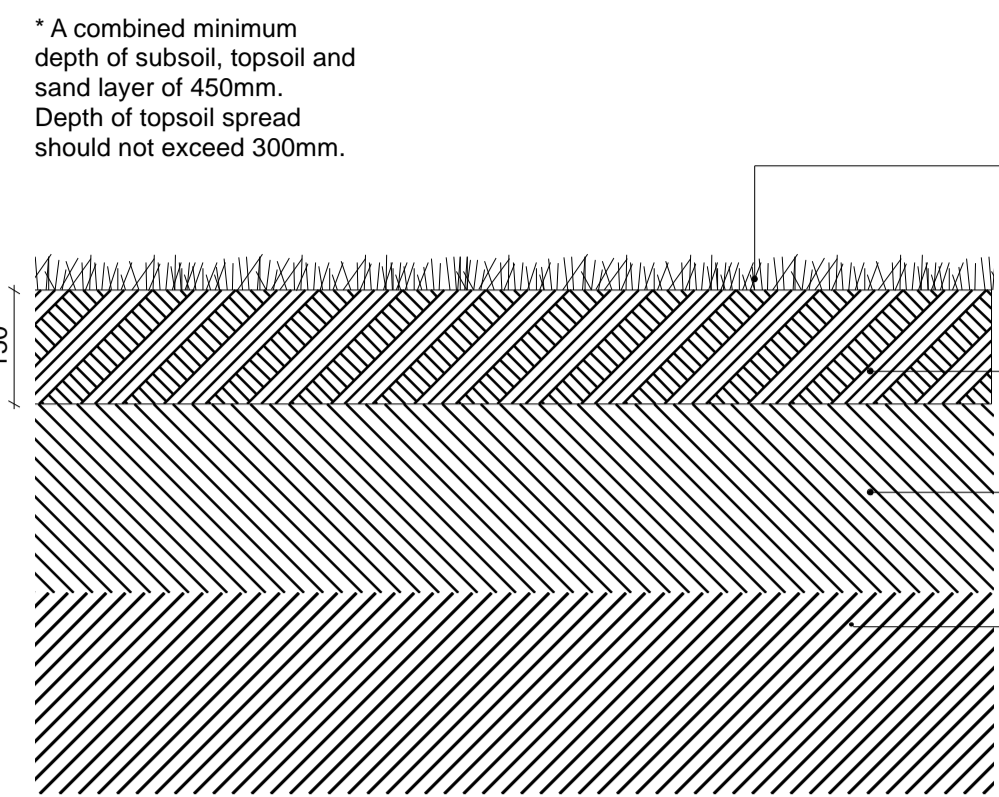
Tree Pit Detail in Soft Landscaping

1:20



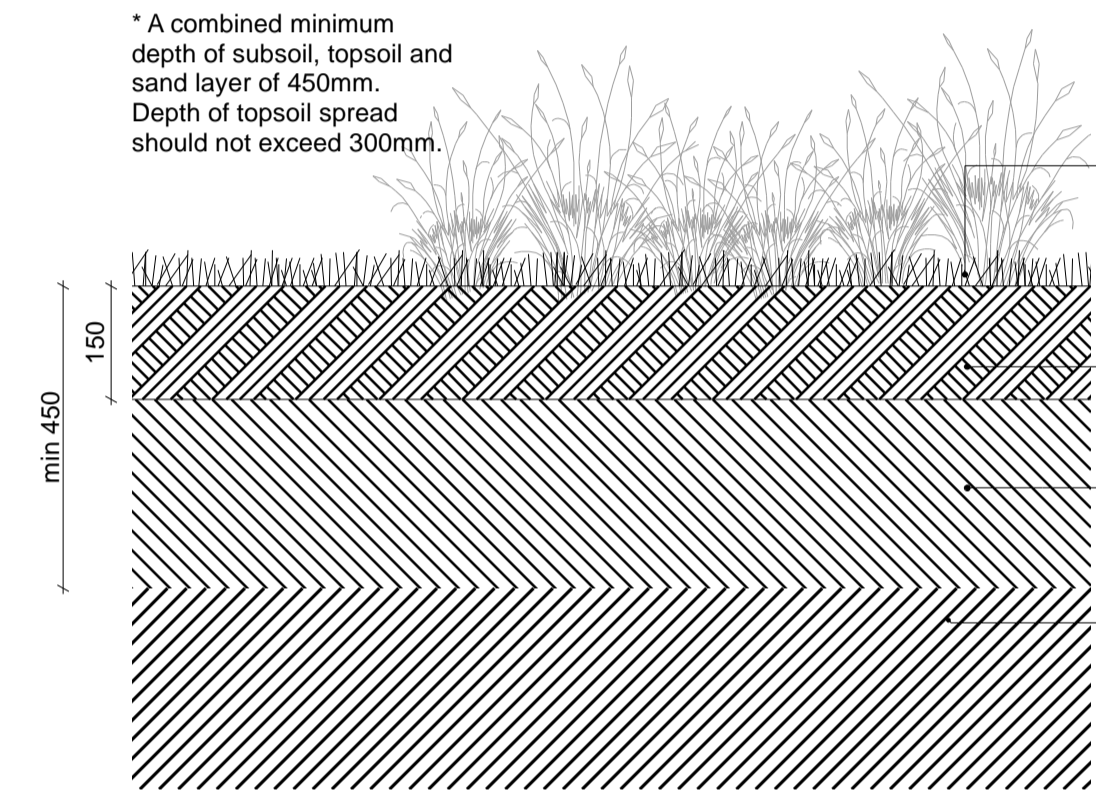
Rain Garden Detail

1:20



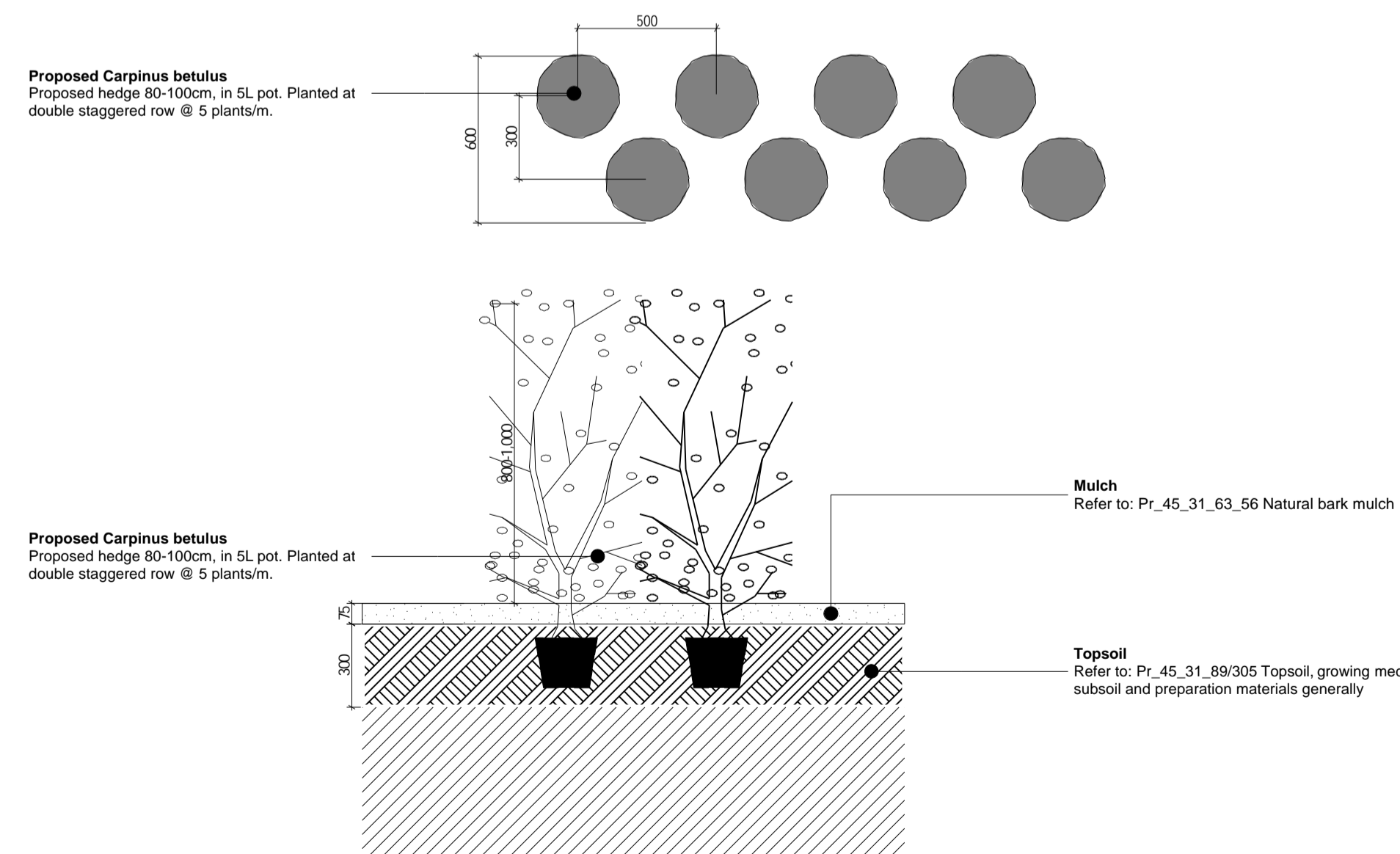
Seeded Grass Planting Detail

1:10



Seeded Meadow Planting Detail

1:10



Hedge Planting Detail

1:20

Notes
 Check all dimensions on site. Do not scale from this drawing. Report any discrepancies and omissions to HLM Architects. This Drawing is Copyright ©

Rev	Description	Date	By	Chk
P01	STAGE 4 ISSUE	15/09/23	ZK	HLM
Revisions				
				Suitability
Project S3 REVIEW AND COMMENT				

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Client
DEFENCE
INFRASTRUCTURE
ORGANISATION

Title
SOFT LANDSCAPING
DETAILS-XX-G00400-XX

Drawing No.	Revision
Z9A8403Y20-HLM-XX- WATT01ZZZZZ-DR-L-450002-	P01
Scale @ A1	Drawn
AS SHOWN	CC
Date	Checked
29/08/2023	HLM

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1:100