

Recommended reading for tree pit design research

Key documents:

Bassuk, N., B. R. Denig, T. Hafner, J. Grabosky and P. Trowbridge (2015). *CU-Structural Soil – A comprehensive guide*. Urban Horticulture Institute, Cornell University.

<http://www.hort.cornell.edu/uhi/outreach/pdfs/CU-Structural%20Soil%20-%20A%20Comprehensive%20Guide.pdf>

CIRIA, (2015). *CIRIA 753: The SuDS Manual*. CIRIA. London. (Chapter 19: Trees)

https://www.ciria.org/Memberships/The_SuDs_Manual_C753_Chapters.aspx

Embrén, B. (2009). *Planting Beds in the City of Stockholm, A Handbook*. City of Stockholm.

Embrén, B. (2016). *Planting Urban Trees with Biochar*. The Biochar Journal 2016, Arbaz, Switzerland.

<https://www.biochar-journal.org/itjo/media/doc/1461183230486.pdf>

TDAG (2014). *Trees in Hard Landscapes: A Guide for Delivery*. Trees and Design Action Group.

London. http://www.tdag.org.uk/uploads/4/2/8/0/4280686/tdag_trees-in-hard-landscapes_september_2014_colour.pdf

Further reading:

Bühler, O., Kristofferson, P. and Larson, S. U. (2007). Growth of Street Trees in Copenhagen with Emphasis on the Effect of Different Establishment Concepts. *Arboriculture & Urban Forestry*. Vol. 33(5), 330–337.

Craul, P. J. (1992). *Urban Soil in Landscape Design*. John Wiley & Sons Inc.

Denman, L. (2006). *Are street trees and their soils an effective stormwater treatment measure?* The 7th National Street Tree Synopsium.

Day, S.D. and S.B. Dickinson (Eds.) (2008). *Managing Stormwater for Urban Sustainability using Trees and Structural Soils*. Virginia Polytechnic Institute and State University, Blacksburg, VA.

<http://www.hort.cornell.edu/uhi/outreach/pdfs/TreesAndStructuralSoilsManual.pdf>

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Grey, V., S. J. Livesley, T. D. Fletcher and C. Szota (2018). Establishing street trees in stormwater control measures can double tree growth when extended waterlogging is avoided. *Landscape and Urban Planning*, Vol.178, 122–129. <https://treenet.org/wp-content/uploads/2019/01/Grey-2018-Establishing-trees-in-SCM-can-double-tree-growth.pdf>

Hilbert, D.R., L.A. Roman, A.K. Koeser, J.Vogt and N.S. van Doorn (2019). Urban tree mortality – A literature review. *Arboriculture & Urban Forestry* Vol. 45(5):167–200
https://www.fs.fed.us/nrs/pubs/jrnl/2019/nrs_2019_hilbert_001.pdf

Kent, D., S. Shultz, T. Wyatt and D. Halcrow (2006). Soil Volume and Tree Condition in Walt Disney World Parking Lots. *Landscape Journal*, Vol. 25(1-06): 94–107.

Lindsey, P. and Bassuk, N. L. (1991). Specifying soil volumes to meet the water needs of mature urban street trees and trees in containers. *Journal of Arboriculture*. Vol.17(6), 141–149.

Lindsey, P. and Bassuk, N. L. (1992). Redesigning the urban forest from the ground below: A new approach to specifying adequate soil volumes for street trees. *Arboricultural Journal*, Vol.16 (1) 25–39.

Marritz, L. (2012). A million trees? Only if we can keep them around, *Next City*, 1/18/2012,
<http://nextcity.org/daily/entry/a-million-trees-only-if-we-can-keep-them-around>

Rahman, M. A., P. Stringer and A. R. Ennos (2013). Effect of tree pit design and soil composition on performance of *Pyrus calleryana* street trees in the establishment period. *Arboriculture & Urban Forestry*. Vol. 39(6), 256–266.

Smiley, E.T., L. Calfee, B.R. Fraedrich and E.J. Smiley (2006). Comparison of structural and noncompacted soils for trees surrounded by pavement. *Arboriculture & Urban Forestry* Vol.32, 164–169.

Stovin V. R., A. Jorgensen and A. Clayden (2008). Street Trees and Stormwater Management, *Arboricultural Journal*. Vol.30(4), 297–310.

Urban, J. (1992). Bringing order to the technical dysfunction within the urban forest. *Journal of Arboriculture*. Vol.18(2), 85–90.

US Environmental Protection Agency (2013). *Stormwater to Street Trees: Engineering Urban Forests for Stormwater Management*. EPA 841-B-13-001 <https://www.epa.gov/sites/production/files/2015-11/documents/stormwater2streettrees.pdf>