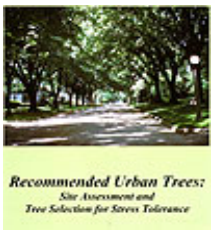
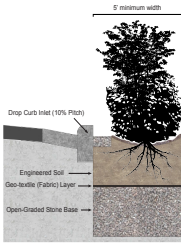
Information about trees and shrubs and CU-Soil

Nina Bassuk, Horticulture, Cornell University, NLB2@cornell.edu

Woody plants database – Profiles more than 400 trees, shrubs, vines and groundcovers. Search feature helps match plants to site conditions.
http://woodyplants.cals.cornell.edu/home

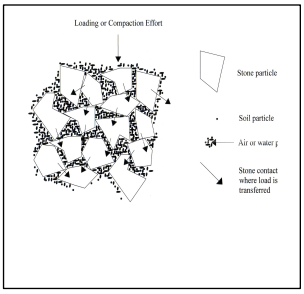


Recommended Urban Trees: Site Assessment and Tree Selection for Stress Tolerance – 128-page publication profiles more than 90 trees that can stand up to the rigors of tough urban environments, including small trees that can grow under overhead utility wires. Also includes a site assessment checklist, transplanting guide and helpful lists of trees grouped by site or planting conditions.
https://blogs.cornell.edu/urbanhort/outreach/plant-



Woody Shrubs for Stormwater Retention Practices
Woody shrubs provide low-maintenance, attractive cover for stormwater retention and infiltration practices such as filter strips, swales and rain gardens. This 56-page guide details site assessment and design considerations for those practices and profiles more than 35 woody shrub species that can tolerate both dry and periodically saturated soil conditions typical of retention areas.
http://www.hort.cornell.edu/uhi/outreach/pdfs/woody_shrubs_stormwater.pdf

[Moving Beyond the Natives/Exotics Debate Urban Habitats, March 2012]- In heavily urbanized areas -- with degraded soils, poor drainage, high pH soils, elevated temperatures, etc. -- it may not be feasible to cultivate plant communities of natives found in nearby natural areas. A mix of natives and exotics. may be the best option.
http://www.urbanhabitats.org/v07n01/nativesdebate_full.html



CU-Structural Soil® – A Comprehensive Guide
CU-Structural Soil™ (also known as CU-Soil™) was developed at Cornell University as a way to safely bear pavement loads after compaction and yet still allow root penetration and vigorous tree growth. 56 page publication covers the why's and how's of using CU-Structural Soil® to support trees, turf and porous pavement. Includes six case studies.
http://www.hort.cornell.edu/uhi/outreach/pdfs/CU-Structural%20Soil%20-%20A%20Comprehensive%20Guide.pdf

Additional electronic resources available on the Urban Horticulture Institute's website, **https://blogs.cornell.edu/urbanhort/**