

09:59:38 From Brenda Codella : Good Morning Everyone!
09:59:49 From Brenda Codella : We should be starting shortly
10:04:14 From Margaret Citarella : No Mow May - <https://www.gardensillustrated.com/feature/lawn-mowing-when-flowers-may/>
10:33:17 From Jon Kaplan : I wonder if there has been research about how far away from the sidewalk trees should be planted to minimize or reduce chance of root damage. May not always be possible, in which case some of the treatments might be required.
10:35:58 From Jon Kaplan : Plus inadequate access for people using wheelchairs (trees against wall).
10:37:17 From Anne Lusk : Jon, I will answer this but hope that Tom also answers. The best advice is to plant the tree as far from the sidewalk/cycle track as possible. When you can't, you apply all the tools Tom mentioned.

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10:38:59 From Brenda Codella : You can type any questions you have in the chat or ask them by unmuting yourself at the end of the presentation.
10:39:08 From Michael Smith : I will also bring this to the voice part of the meeting as not everyone has the ability to see that chat.
10:40:41 From Tom Smiley : In general, a 5' is the minimum tree lawn width recommendation. The wider the better. From James Urban, FASLA and Ramsey/Sleeper Architectural Graphic Standards(Hoke 2000):•Minimum width prepared soil for trees: Good soils: 6ft., Compacted soils: 15ft., Poor quality soils: 20ft
10:42:28 From Jenny Flanagan : Is there a plan to add the pavers to this tree?
10:43:11 From Jane Winn : I thought the idea was to have permeable, good soil around the tree out to the diameter of the expected full-grown crown.
10:44:13 From Jenny Flanagan : Can you put info on the tree book in the chat?
10:44:47 From Margaret Citarella : how do the gravel, Styrofoam, and barrier treatments compare to treatments with silva and/or strata cells?
10:45:59 From John Livsey : The information provided here is great and would love a deeper dive at some point as well. Is there a best source for proper detail and design for urban street trees.
10:46:08 From Tom Smiley : The first three treatments are to protect sidewalks or other pavement, the Silva cells or other supported pavement provide space under pavement for root growth.
10:46:31 From Chris Faria : Is there a good tree to plant over a storm water line without fear of roots growing into the pipeline? Are arborvitae ok?

10:46:37 From Brenda Codella : Please take the time to complete our annual Training Survey so that we are sure to meet your top training needs for next year.

10:46:41 From Brenda Codella : https://umassherst.co1.qualtrics.com/jfe/form/SV_a9ua73JJNZN1H

10:47:07 From Libby Shaw : Re gingkoes that died on Vassar St in Cambridge – Tom Smiley has published research showing sand-based structural soil isn't as good, but what I understood really killed those trees was that the irrigation system was shut off for months during construction of a new MIT campus building.

10:48:36 From Libby Shaw : Question for Tom Smiley – it looks as though 18" deep stiff barriers are very effective. My concern is that this means trees won't have structural roots on that side, which means at maturity won't be as secure in heavy wind. Could you comment?

10:50:13 From Jane Winn : Deeproot silva cell info: https://www.deeproot.com/products/silva-cell.html?gclid=Cj0KCQjwLN32BRCCARIsADZ-J4uaxAtrjoaQxPZfPFH7KVVGa-bWQ3Cdsd0R9i_zzD0JQg-onVZuKM8aAkwLEALw_wcB

10:51:10 From Ellen Menounos : To Tom Smiley– Would adding materials like poly or styrafoam to a tree pit have undesirable impacts on soil biology? Are there attempts to measure this?

10:51:19 From Tom Smiley : Re: 18" Root barriers. Trees will adapt to soil conditions as long as they have time to do that. So if root barriers are installed at planting, there should be no significant reduction in stability when they are large.

10:53:37 From Jane Winn : Tree "boxes" used for stormwater as well as full tree growth <https://njaes.rutgers.edu/fs1209/>

10:54:18 From Marc Fournier : Hi– The book is Urban Forests by Jill Jonnes, 2016. A wonderful read! Take care, Marc

10:55:03 From Margaret Citarella : do you know if there efforts to increase soil volume and area for trees in future urban and suburban development?

10:59:53 From Dawn Nims : What city was the supported tree pavements located in again? Missed it.

11:00:57 From Eric Nova : Excellent topic and discussion again today! When tree pits are proposed, be very careful that a minimum of 4' wide of path of travel is allowed for ADA reasons.

11:01:18 From Tom Smiley : Here is a great reference for urban tree planting: http://www.urbantree.org/details_specs.shtml

11:01:56 From Jane Winn : That is why you need community activists asking for this to be done right!

11:02:18 From Tom Smiley : Re: What city was the supported pavement research conducted in : Ours was in Charlotte NC.

11:03:21 From Cassie Tragert : I have to hop off the call unfortunately, but thank you for doing this! Very informative as always!

11:03:32 From Ellen Menounos : Thank you everyone!!

11:05:35 From Tom Smiley : A good reference on reducing damage:

11:05:37 From Tom Smiley : <https://www.amazon.com/Reducing->

Infrastructure-Damage-Tree-Roots/dp/B000BF47KI

11:07:09 From Erin Gallentine : Is there a source that compares each of the green infrastructure approaches against one another? Cost, Success, Infiltration, Maintenance etc...

11:09:02 From Libby Shaw : Mike: Can't find a way to raise hand. Can you unmet me?

11:09:07 From Erin Gallentine : Another Q: is there a reference or chart that suggests which applications/green infrastructure is recommended for particular conditions (ie. more urban, narrow sidewalks, wider sidewalks, new construction vs. tree planting in existing sidewalks)

11:10:50 From Chris Faria : Let's say replacing all the old storm water and sewer lines in town is not an immediate possibility as that can be very expensive. Most homeowners want to plant arborvitaes on their properties and near our pipelines.

11:11:27 From Erin Gallentine : Agreed. Thanks!

11:12:51 From Jane Winn : Thank you everyone! Looking forward to advocating for really good street tree planting and using trees/tree boxes for stormwater management. Have to go.

11:14:13 From John Livsey : Lexington will be installing 60+ trees in silva cells in the downtown with the next year or two so that will be one are that can be monitored over time. Sand-based structural soil done previously failed, a tree trench location has been very successful but is in a small park setting with one side paved so not as urbanized as the sand-based and future silva cell environment.

11:18:23 From Jon Kaplan : Thanks for this presentation. Very helpful and great panel of presenters.

11:18:55 From Jenny Flanagan : Agree, thank you, very informative. :)

11:19:18 From Tom Smiley : Here is the reference Marc mentioned:

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

11:21:07 From Chris Faria : thank you for the resources, i'll follow up.

11:25:06 From Todd Eaton` : Thank you everyone... very valuable presentations!

11:26:03 From Anne Lusk : Thank you everyone for your questions and enthusiasm on this topic!

11:31:27 From Stephanie Cottrell : is that the Asian long horn or the emerald ash borer?

11:32:02 From Michael Smith : Worcester was ALB not Ash Borer

11:34:18 From Libby Shaw : Really really appreciate this. Will share.

11:34:21 From Mariselly Alvarez : Thank you. This was fascinating.