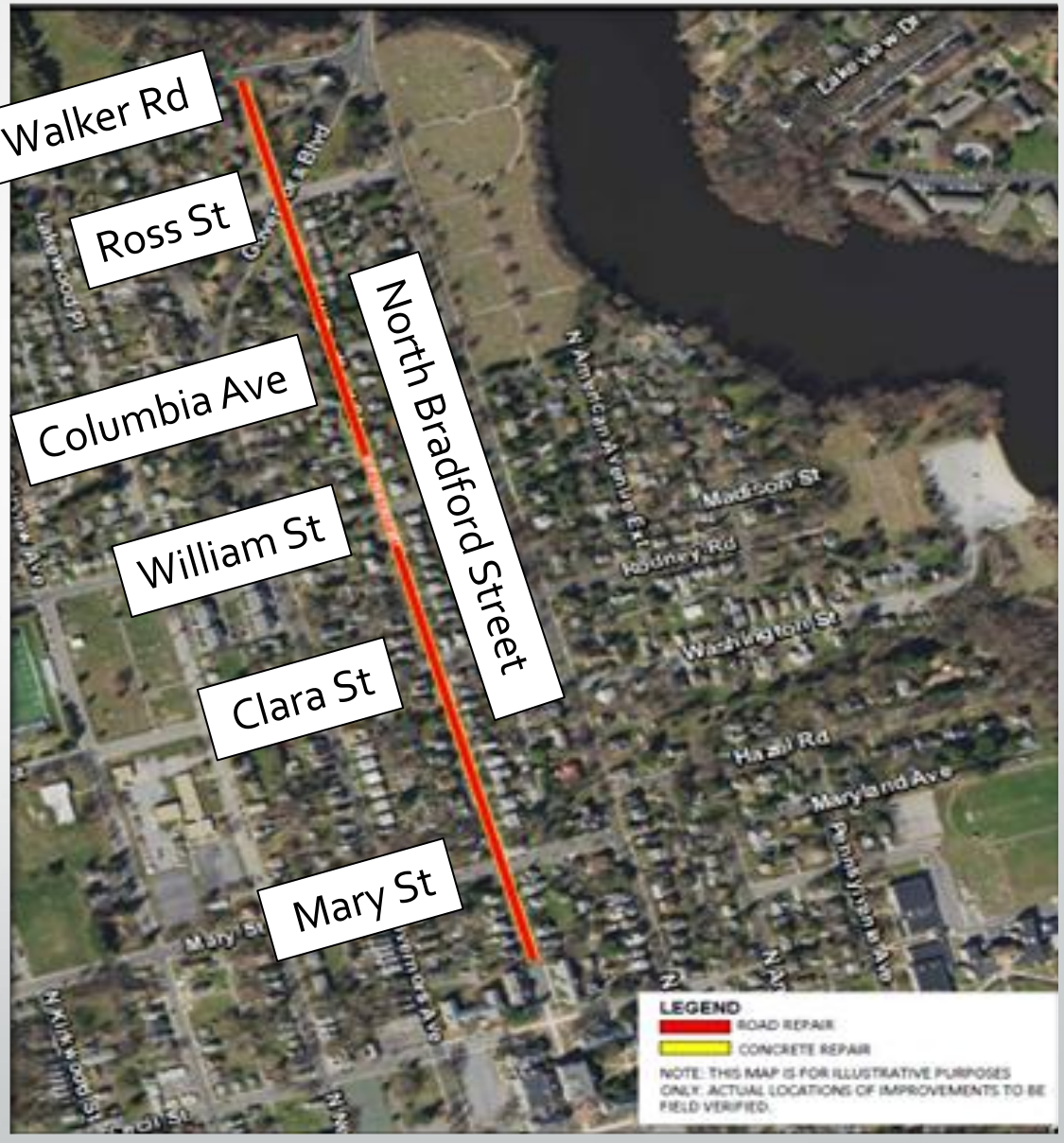
North Bradford Street Rehabilitation Project Community Meeting

July 7, 2021 at 6:00 p.m.

Welcome!

Project Area

Over half a mile of North Bradford Street from Walker Road to just south of Mary Street, adjacent to Wesley College.



Standard Project Goals*

- Evaluate trees effecting curb, sidewalk, driveway aprons and pavement, removing effected trees or pruning tree roots;
- Replace cracked and damaged curb;
- Replace cracked and damaged sidewalk and driveway aprons ensuring ADA compliance for slope and deflection;
- Mill existing cracked and damaged asphalt surface and replace with new asphalt; and
- Plant replacement trees with root deflectors and of appropriate species to minimize future issues.

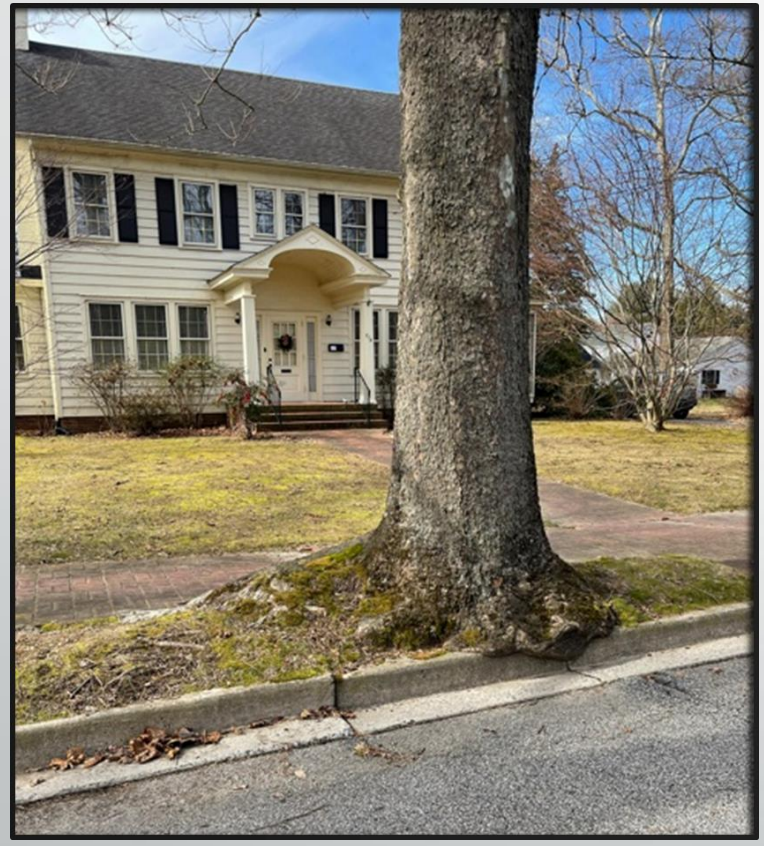
* Once rehabilitation work starts on a particular street, it is the City's responsibility to ensure ADA compliance.

Tree Concerns

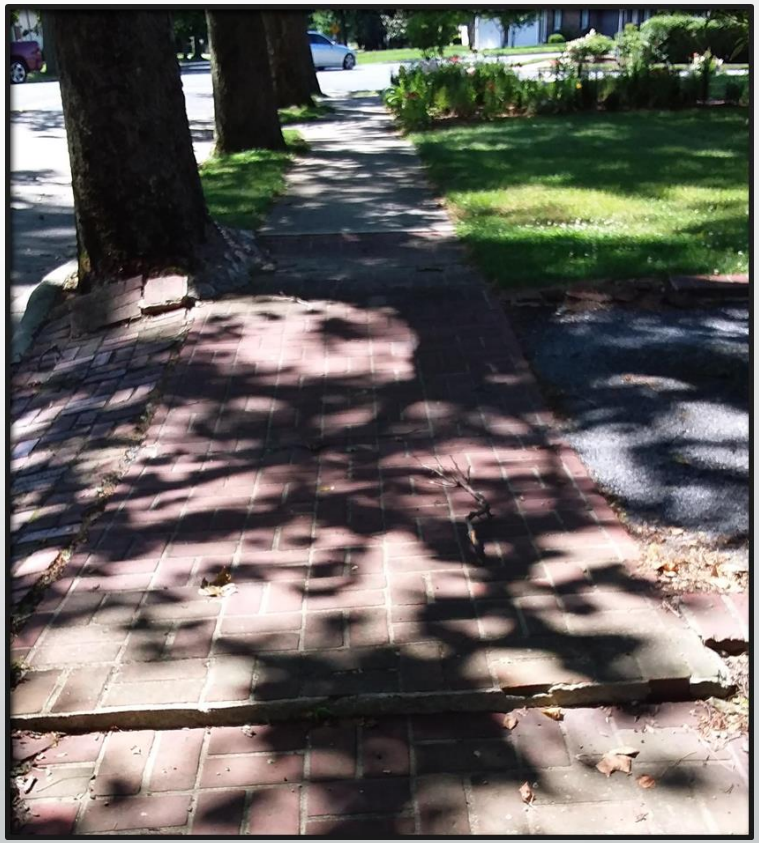
- Prior street rehabilitation projects typically identify less than 10 trees that need addressed as part of the project.
- The North Bradford Street rehabilitation project identified 75 trees* that are causing infrastructure concerns such as:
  - Overgrowing curb and sidewalk
  - Cracking, breaking and deflecting curb, sidewalk and pavement

* Trees were identified by a certified arborist based upon the proposed use of standard construction methodologies.

Tree Concern Examples

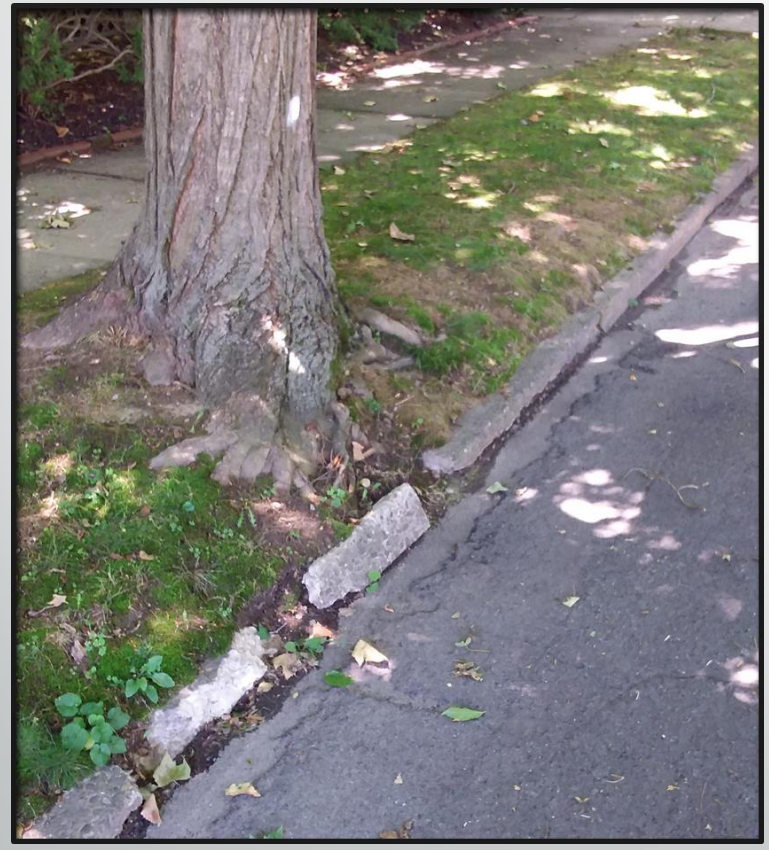


712 North Bradford Street

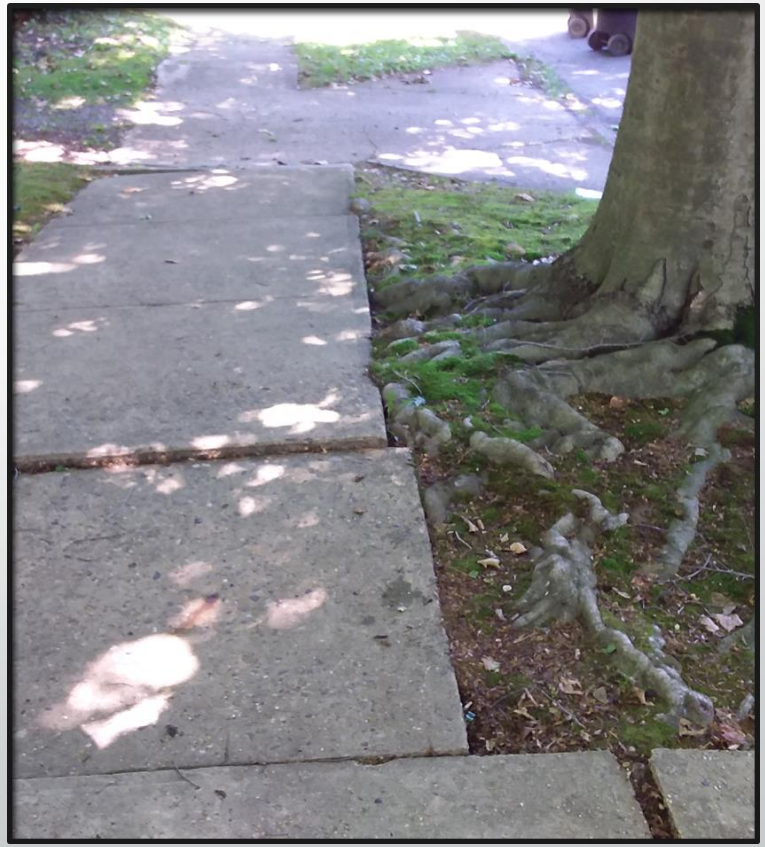


704 North Bradford Street

Tree Concern Examples (continued)

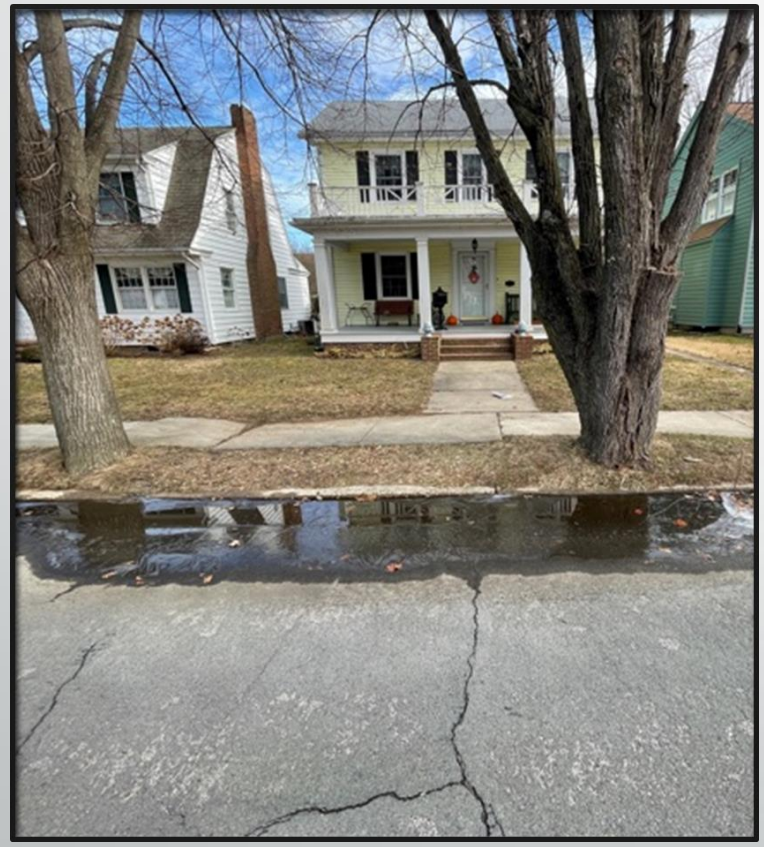


606 North Bradford Street

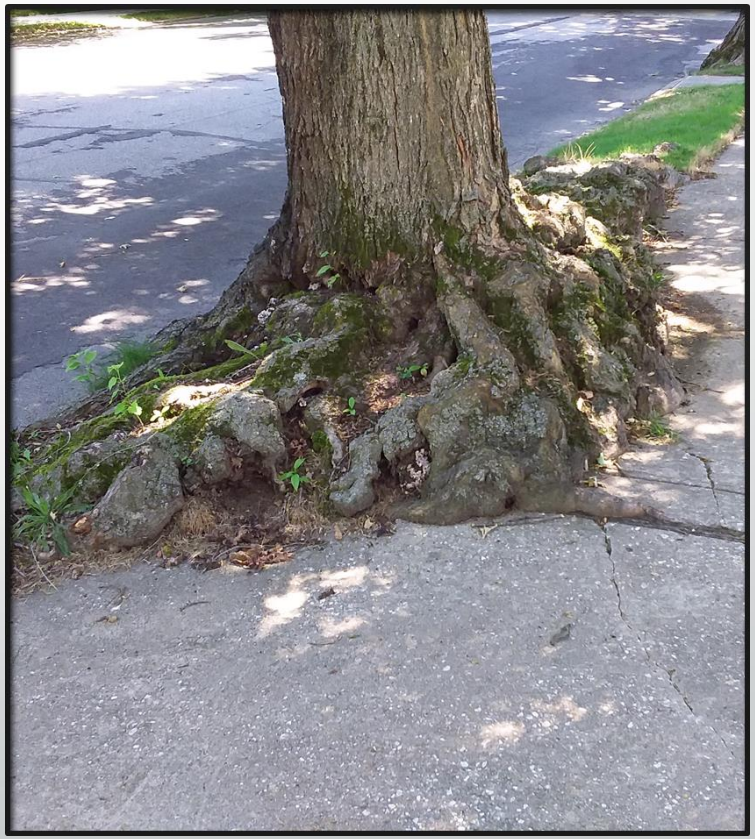


606 North Bradford Street

Tree Concern Examples (continued)

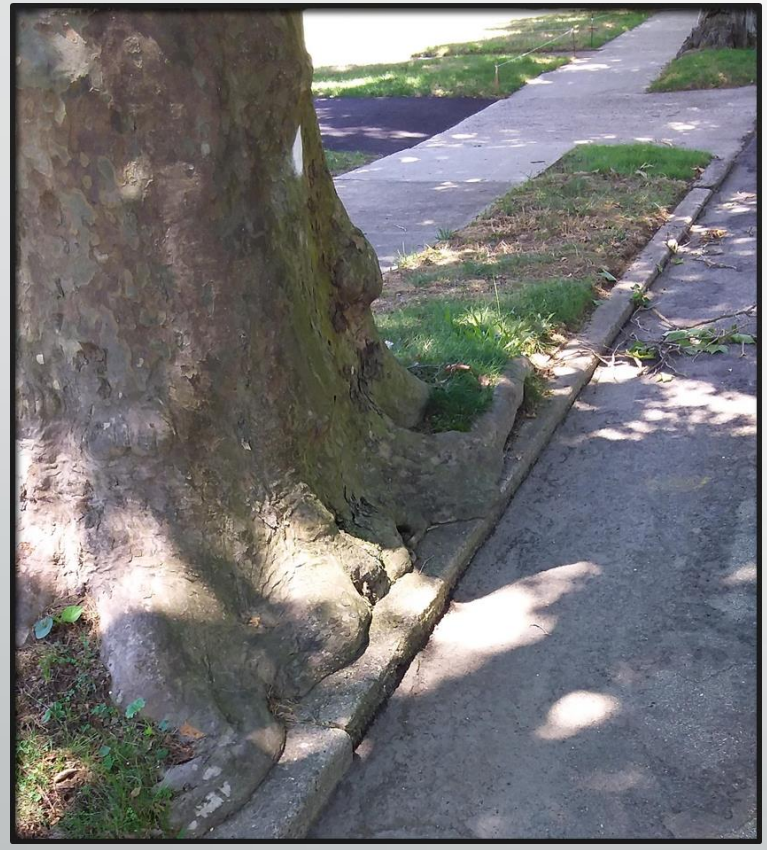


639 North Bradford Street

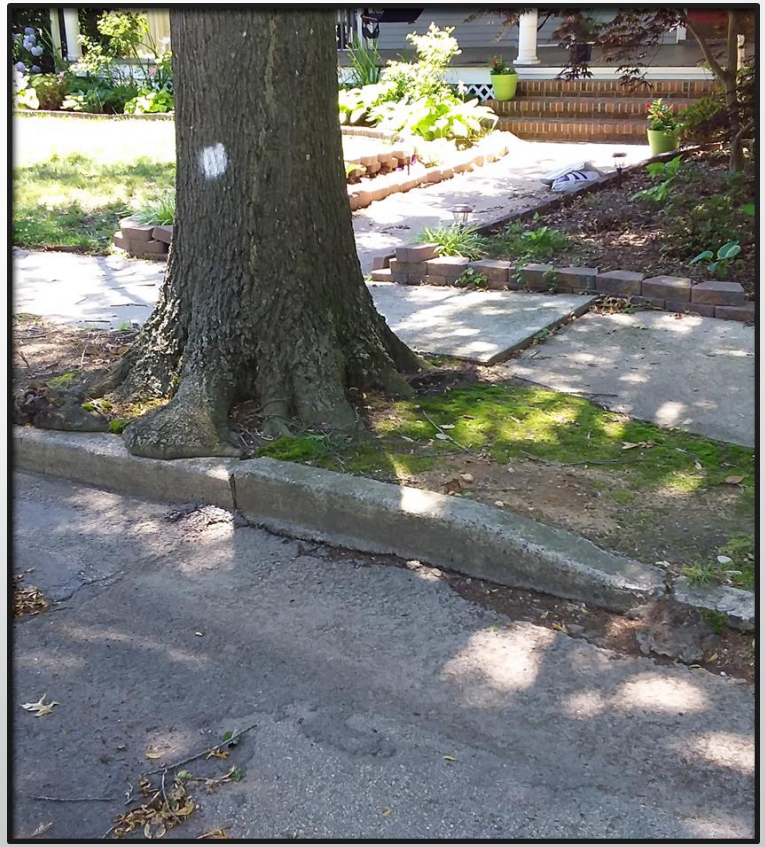


536 North Bradford Street

Tree Concern Examples (continued)

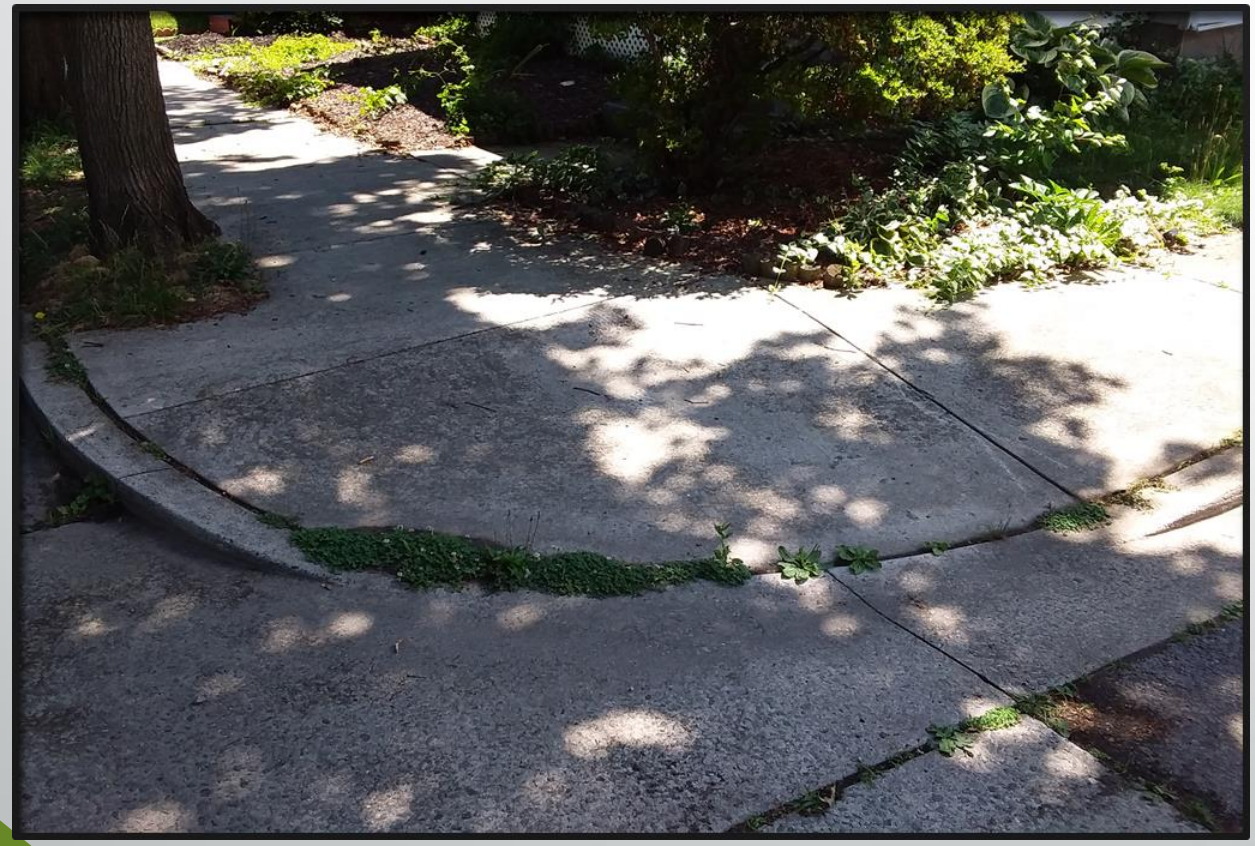


520 North Bradford Street

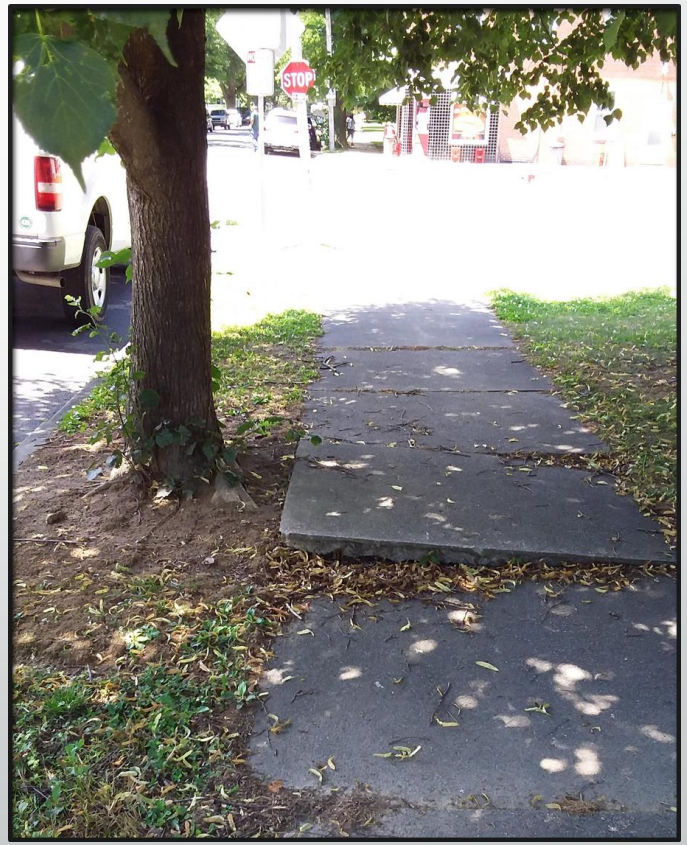


400 North Bradford Street

Tree Concern Examples (continued)



352 North Bradford Street



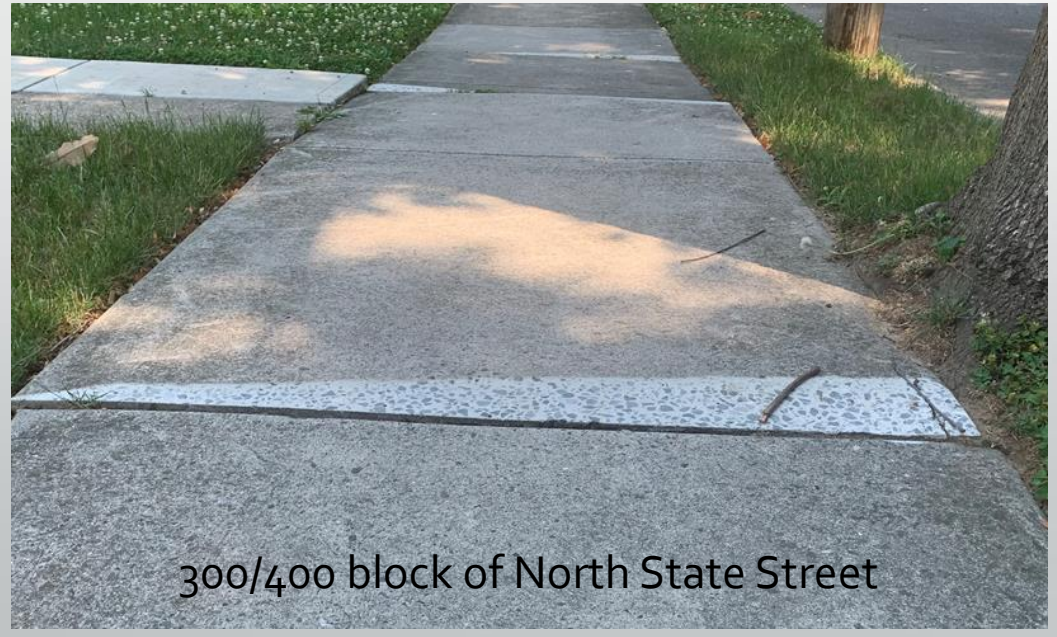
231 North Bradford Street

Tree Evaluation

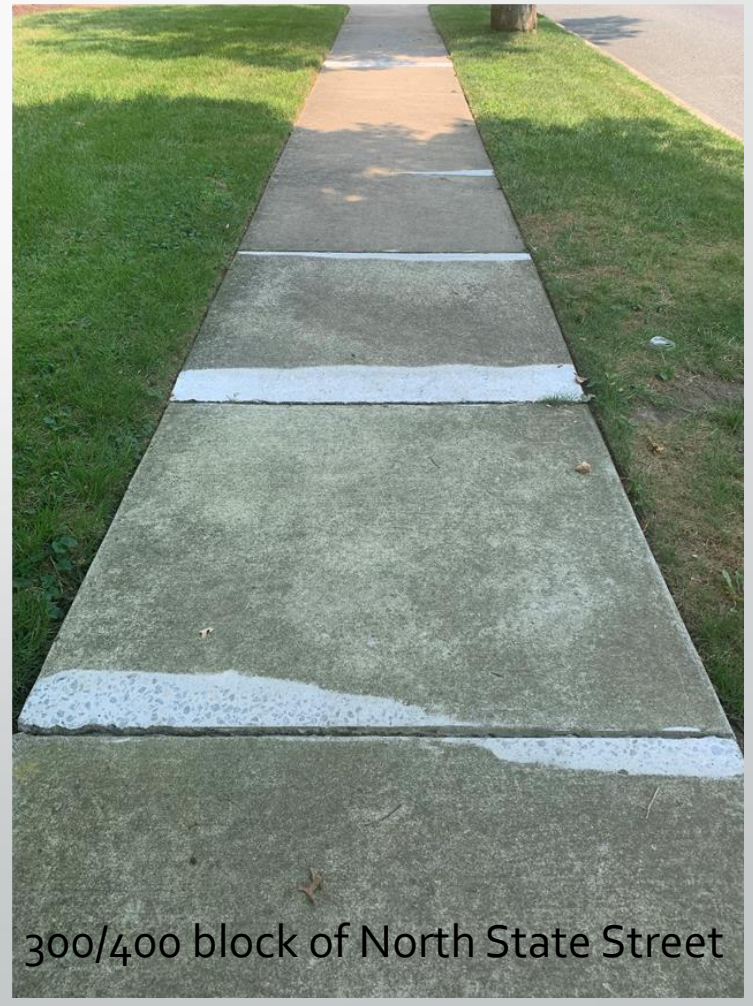
- Due to the large number of trees identified:
  - An additional tree evaluation is underway by the State of Delaware Forest Service; and
  - Alternative construction methodologies are being assessed.

Alternative Methodologies

- Concrete Cutting
  - Removes trip hazards (up to 2”) creating an ADA compliant slope.
  - Less expensive than replacement.



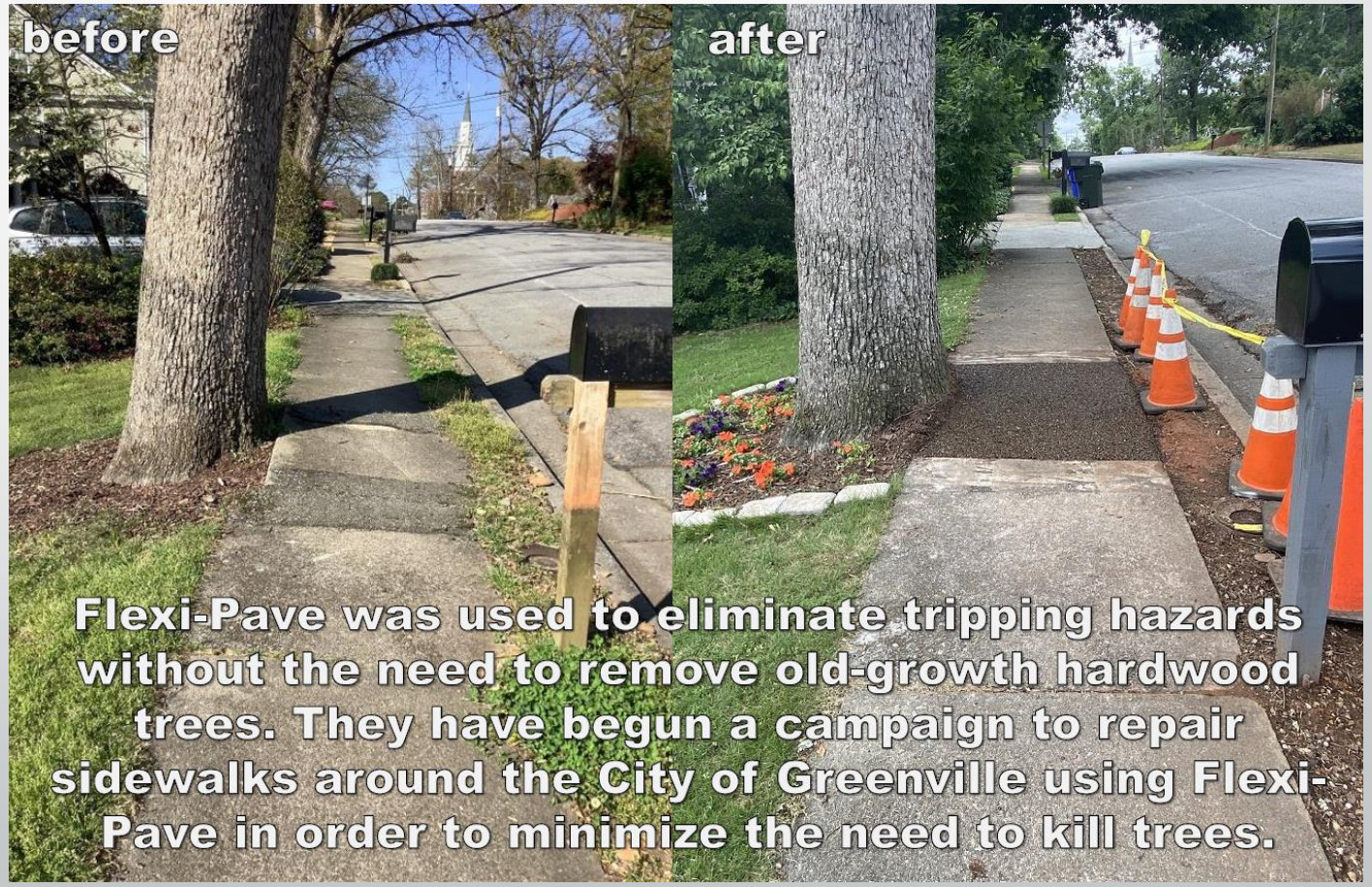
300/400 block of North State Street



300/400 block of North State Street

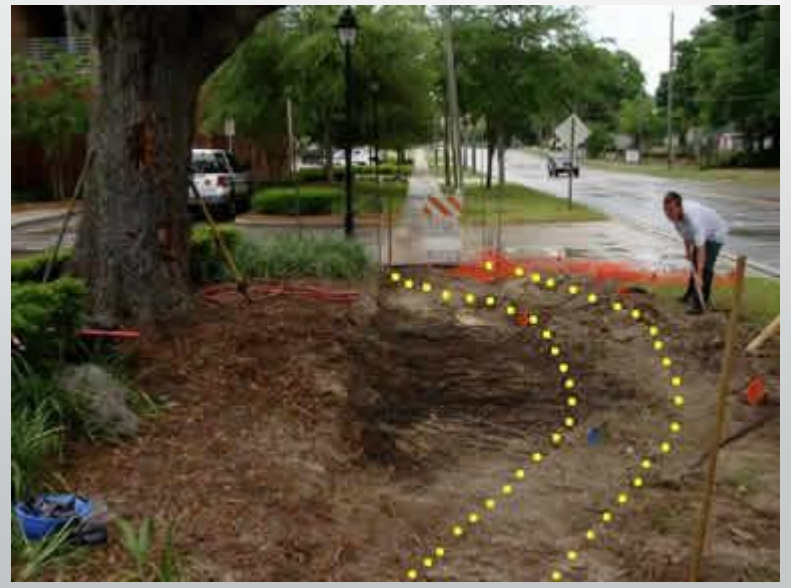
Alternative Methodologies (continued)

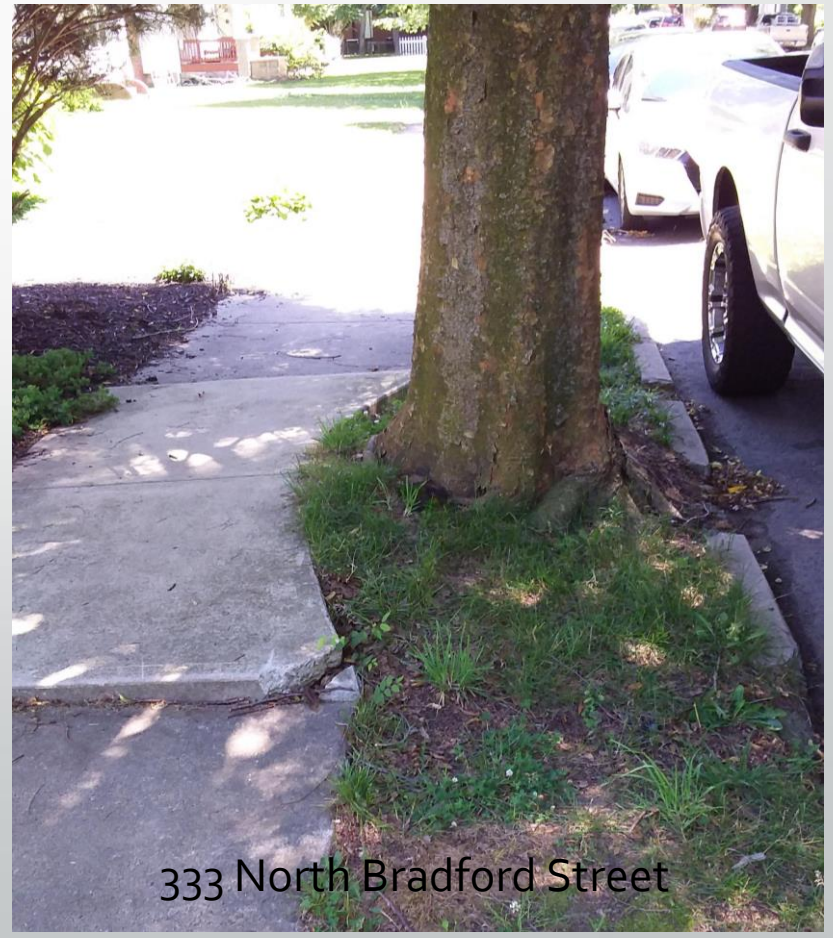
- Flexi-Pave / Porous Pavement
  - Eliminates tripping hazards while having the ability to be formed closer to trees.
  - 1.5x – 2.0x the cost of concrete replacement.



Alternative Methodologies (continued)

- Diverting Sidewalk Around Trees
  - Sidewalk may require installation on private property.
  - Easement would be required.

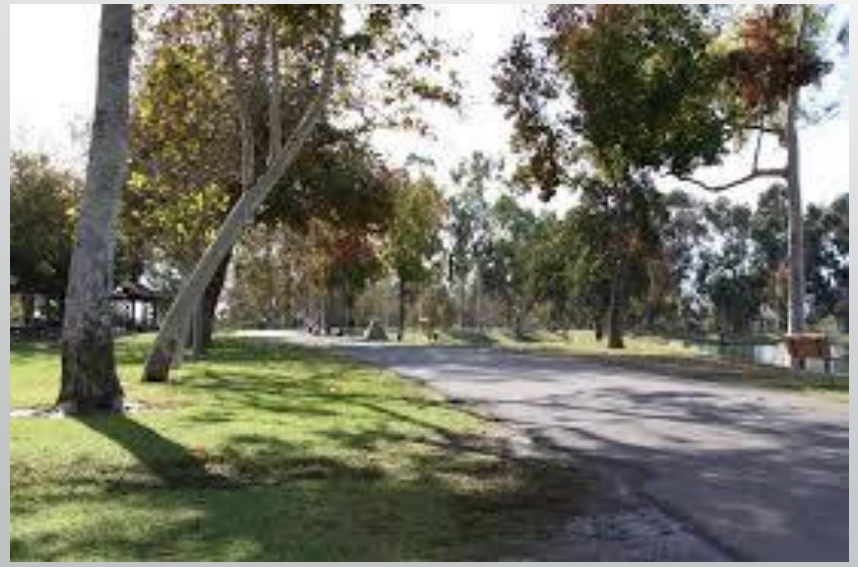


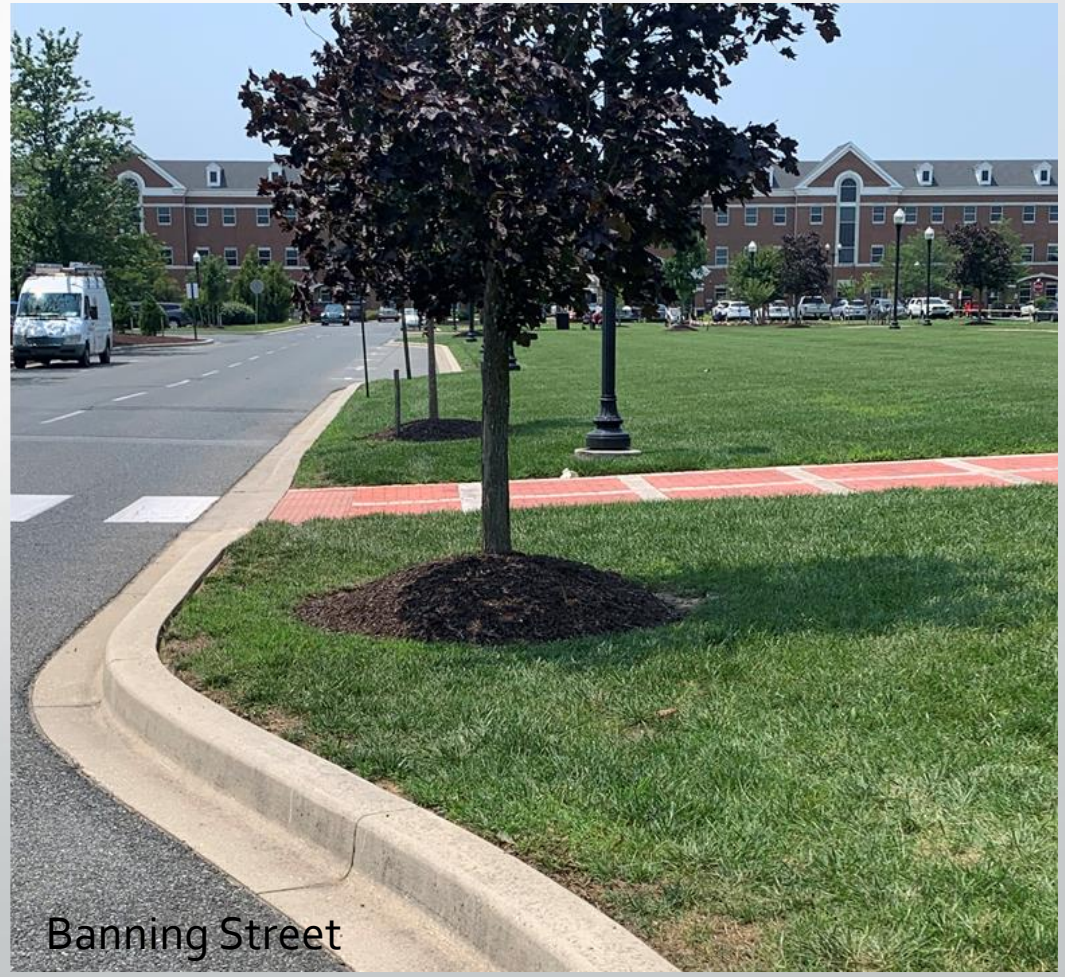


333 North Bradford Street

Alternative Methodologies (continued)

- Parking Reduction
  - Install bump outs around trees (potential drainage concerns).
  - Replace one side of on-street parking with grassed area.





Banning Street

Next Steps

- Complete tree evaluation.
- Finalize assessment of alternatives (including cost estimates).
- Evaluate public input from surveys (https://arcg.is/oPDyq5) and other correspondence.
- Update design proposal.
- Hold second Community Meeting to review revised proposal.

Questions?

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City of Dover Department of Public Works

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