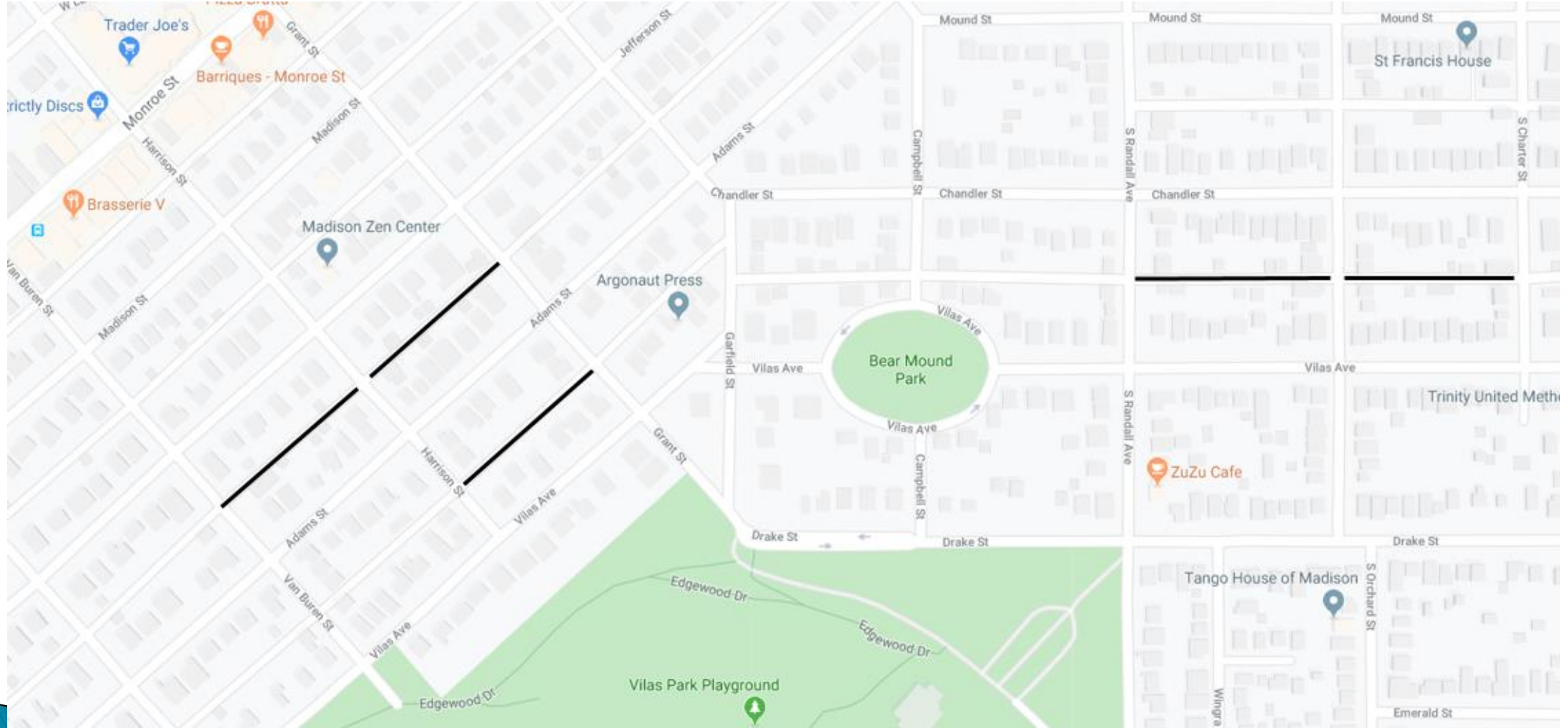




2020 West Side Alleys Reconstruction

**Public Informational Meeting
City of Madison Engineering Division
December 5, 2019**

Project Location



Existing Conditions

- ▶ Alleys are mostly unpaved, without curb
 - Gravel surface
 - Uneven and potholed
- ▶ Limited storm sewer
 - At end of some alleys
 - Drainage issues throughout

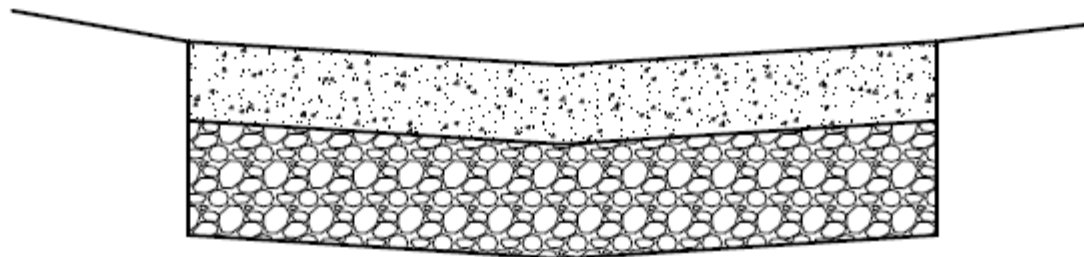
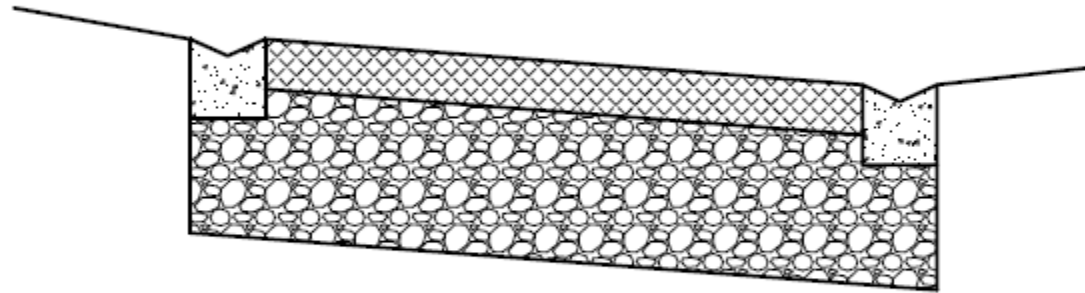


Proposed Design

- Reconstruct alley pavement
 - Design dependent on grades
 - Concrete alley, with drainage in center
 - Asphalt alley with gutter
- Extend storm sewer to improve drainage
 - May not be possible on all alleys due to availability & depth of storm sewers nearby and constructability

Proposed Design

- Asphalt alley with gutter
- Concrete alley, drainage down center



Proposed Design – Asphalt Alley with Gutter

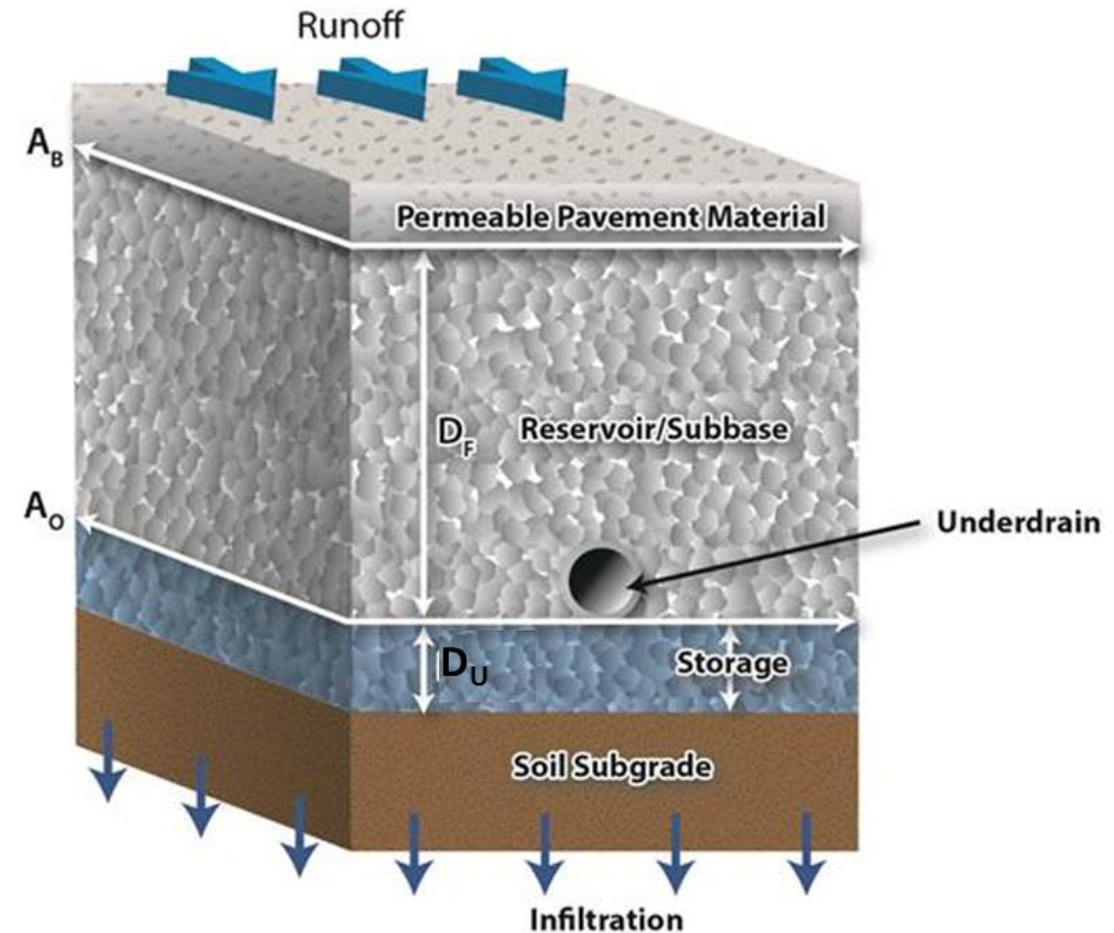


Proposed Design – Concrete Alley



Proposed Pilot Projects of Pervious Pavements

- Install pilots of pervious pavement systems
 - Need soils that will drain
 - Chandler/Vilas Alleys & Jefferson/Adams Alley between Van Buren & Harrison
- Allows for infiltration
- Improves drainage issues
- Ideally install storm sewer & underdrain installed for larger storms

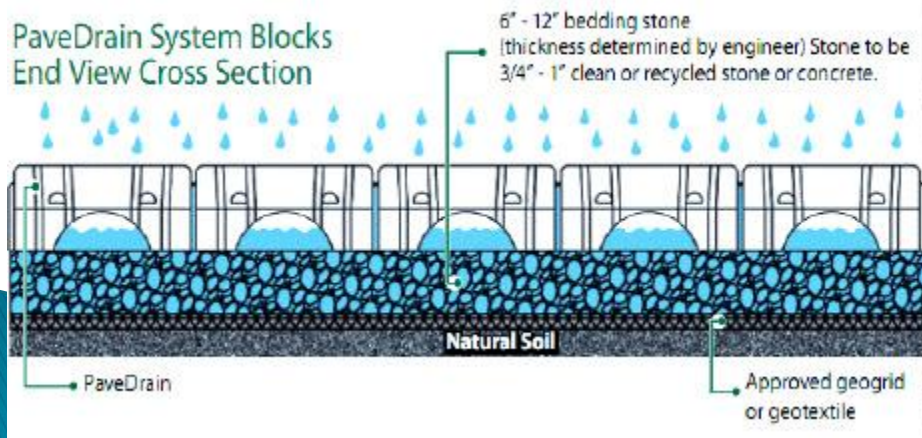


Pilot Projects of Pervious Pavement Systems

- ▶ Precast concrete panels
- ▶ Large paver system
 - “PaveDrain”
- ▶ Smaller interlocking pavers, with gravel in between
- ▶ Likely designed similar to concrete alley



PaveDrain System Blocks
End View Cross Section



Pilot Projects of Pervious Pavement Systems

- ▶ Test of Durability
 - Expect concrete panels & large pavers to be plenty strong to last
 - Smaller pavers with gravel may not hold up as well
- ▶ Test of infiltration capabilities
- ▶ Test of maintenance requirements
 - All systems clog over time
 - Concrete panels & larger pavements will likely require more difficult/costly maintenance
 - Smaller pavers may be easier to maintain

Poured in Place Pervious Concrete Alley



Construction & Access

- Each alley will take approximate 5 weeks to reconstruct
- Bid project with flexible start dates
 - Increases competition in bidding
 - Notice will be sent prior to construction starting
- Alleys closed during construction
 - Access to driveways during non-working hours
 - No access for up to 20 days (concrete placement and curing)
- Place garbage & recycling carts on adjacent streets
 - City trucks won't be able to access alleys during construction
- Allowed construction hours are 7am–7pm Mon–Sat and 10am–7pm on Sun
 - Weekend work is not anticipated with this project

Assessment Policy & Costs

- Total cost of alley reconstruction is split 50/50 between the City and adjacent owners.
 - Owner share is assessed per linear foot of frontage along alley
 - Approximate assessment is \$75–\$85 per LF

Project Schedule

- 12/27/19: Mail Estimated Assessments & BPW Public Hearing Notice
- 1/8/20: BPW Public Hearing
- 1/21/20: Common Council Hearing
- 2/6/20: Advertise for Bids
- Construction starting as early as April 2020

Contact Information & Resources

- Engineering
 - Project Manager, Jim Wolfe, 266-4099 or jwolfe@cityofmadison.com
 - Design Engineer, Kyle Frank, 266-4098 or kfrank@cityofmadison.com
- Project Website: cityofmadison.com/engineering/projects/adams-st-jefferson-st-1900-block-alley-reconstruction
 - Sign-up for project email updates on the website
 - Updates on closures & work progress will be posted to the project website
- Facebook – City of Madison Engineering

Additional Input & Discussion

- Preferred alley design – asphalt or concrete?
- Proceed with pervious pavement tests where possible?
- Construction timing concerns?
 - Neighborhood events, etc.
- Send specific property issues to engineers
 - Drainage issues that we may not be aware of
 - Accessibility concerns