



UNION STREET SEWER SEPARATION PROJECT CITY OF PORTSMOUTH, NH

Public Engagement Meeting #2

June 27, 2022

INTRODUCTIONS – WHO IS INVOLVED?

- City Staff
- Engineering Consultants
- Stakeholders



AGENDA

- Purpose of Project
- Work Completed to Date
- Conceptual Designs
- Next Steps
- Preliminary Schedule
- Public Information and Outreach
- Public Comment





PURPOSE OF MEETING

- Present Conceptual Design
- Solicit Feedback
- Describe Next Steps




PURPOSE OF PROJECT

- Separate flows from the sanitary sewer and storm drains
- Reduce combined sewer overflows
- Required by EPA and NHDES
- Reconfigure “backlot” services
- Replace utilities:
 - Water mains & services,
 - Sewer mains & services
 - Storm drainage
- Incorporate LID stormwater treatment
- Reconstruct streets and sidewalks

EXISTING COMBINED SEWER & DRAINAGE

Legend

 Existing Combined Sewer/
Drainage



PROPOSED SEPARATED SEWER & DRAINAGE

Legend

- Proposed Drainage
- Proposed Sewer
- Back Lot Sewer
- Replumb Sewer Service Area

Connect to upgraded drainage on Miller Ave

Rebuild sidewalk and shoulder due to drain line upgrade





WORK
COMPLETED
SINCE LAST
MEETING

- Basement surveys
- Geotechnical investigation (borings)
- Tree Review
- Utility & Drainage Conceptual Design
- Roadway & Streetscape Conceptual Design

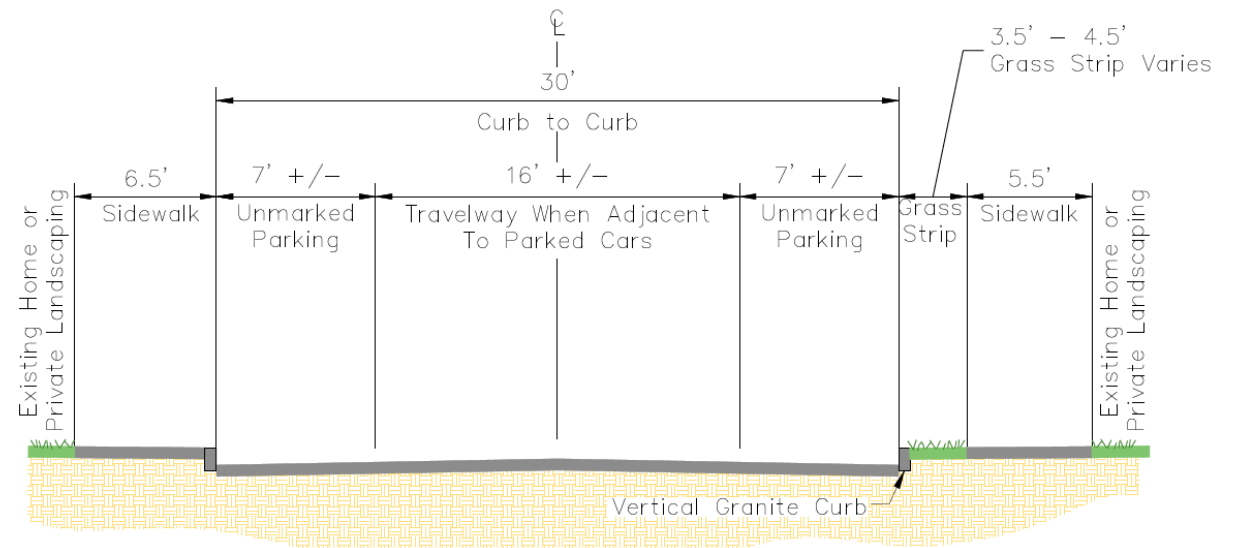


TREE REVIEW

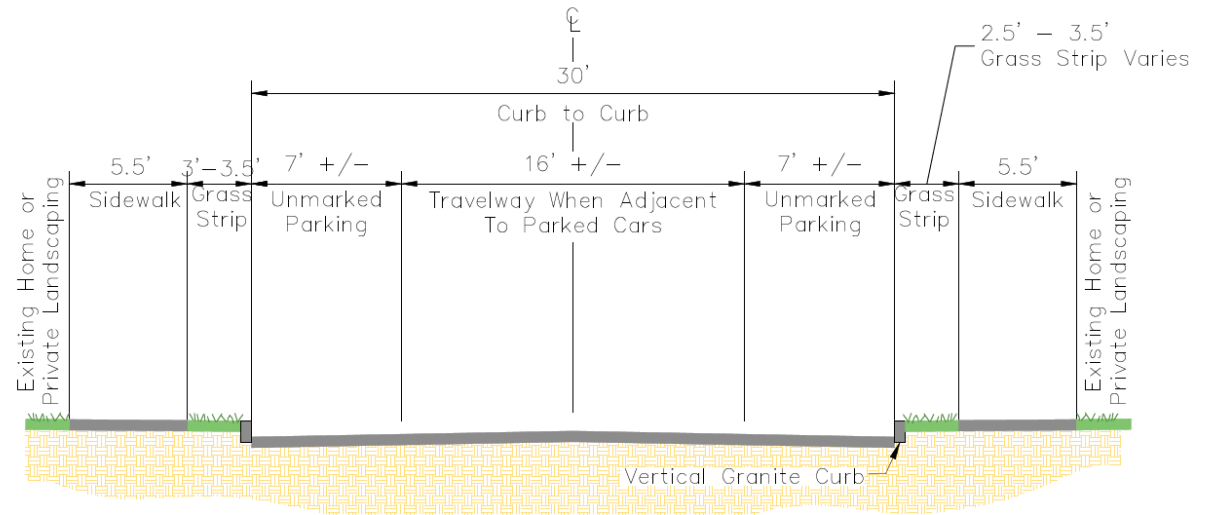
FIRST PUBLIC MEETING: WHAT WE HEARD

- Roadway width: don't make too narrow
- Utility service connections: concerns with backyard connections and replumbing homes
- Construction in Coffins Court

**PROPOSED ROADWAY
CROSS SECTION
UNION STREET**

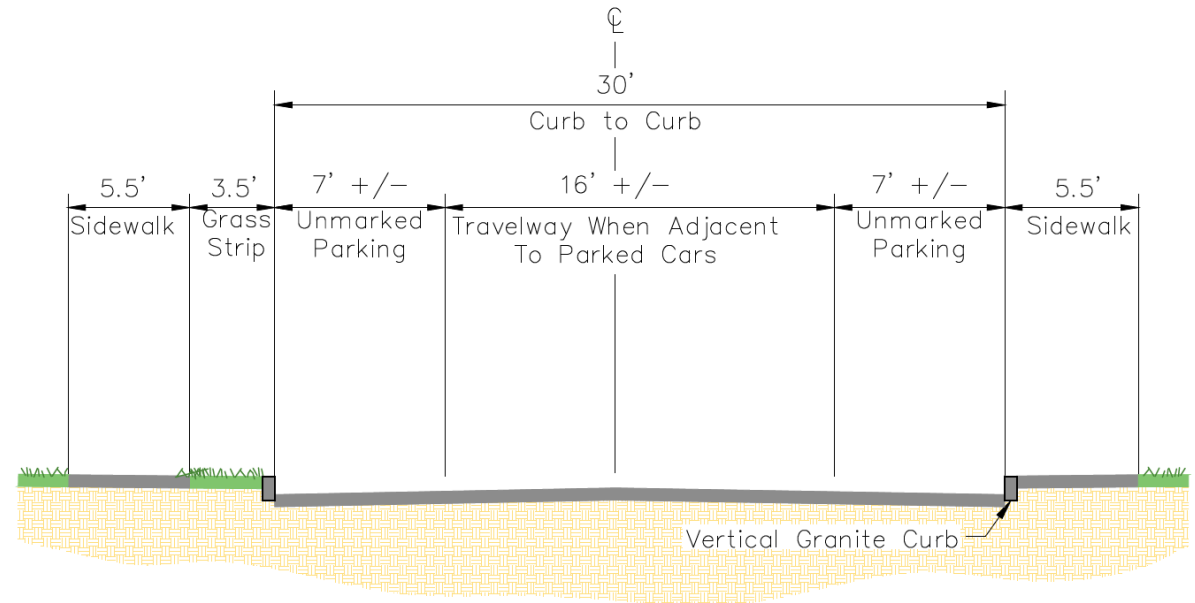


**UNION STREET TYPICAL
(STATE STREET TO AUSTIN STREET)**



**UNION STREET TYPICAL
(AUSTIN STREET TO MIDDLE STREET)**

PROPOSED ROADWAY
CROSS SECTION
AUSTIN STREET

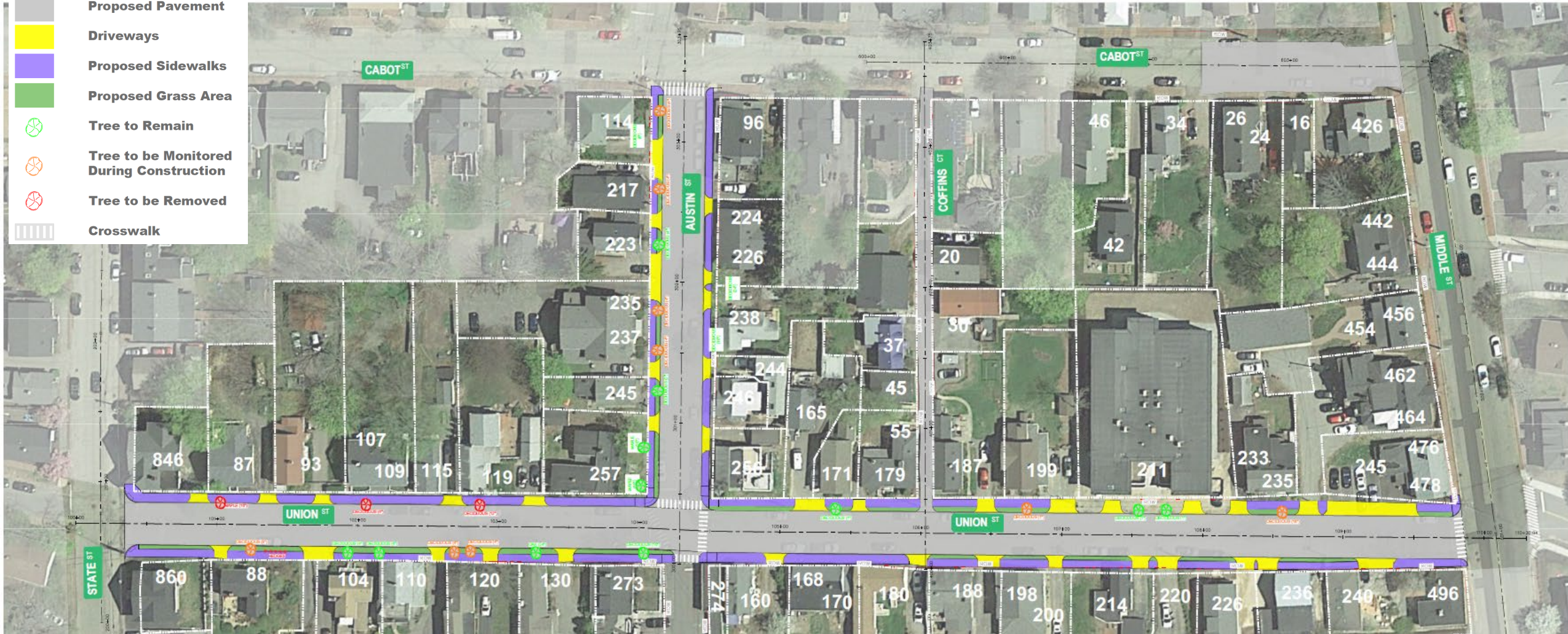


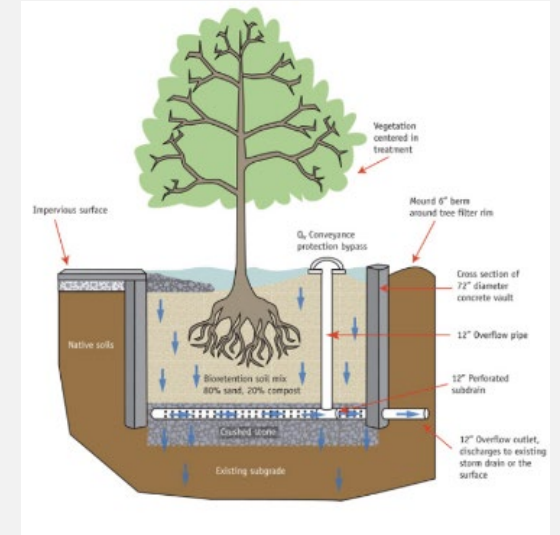
AUSTIN STREET TYPICAL

ROADWAY & SIDEWALK LAYOUT

Legend

- Proposed Pavement
- Driveways
- Proposed Sidewalks
- Proposed Grass Area
- Tree to Remain
- Tree to be Monitored During Construction
- Tree to be Removed
- Crosswalk





STORMWATER MANAGEMENT

- Roadway grading & paving
- Curbing
- Water Quality “BMP’s” (Best Management Practices)

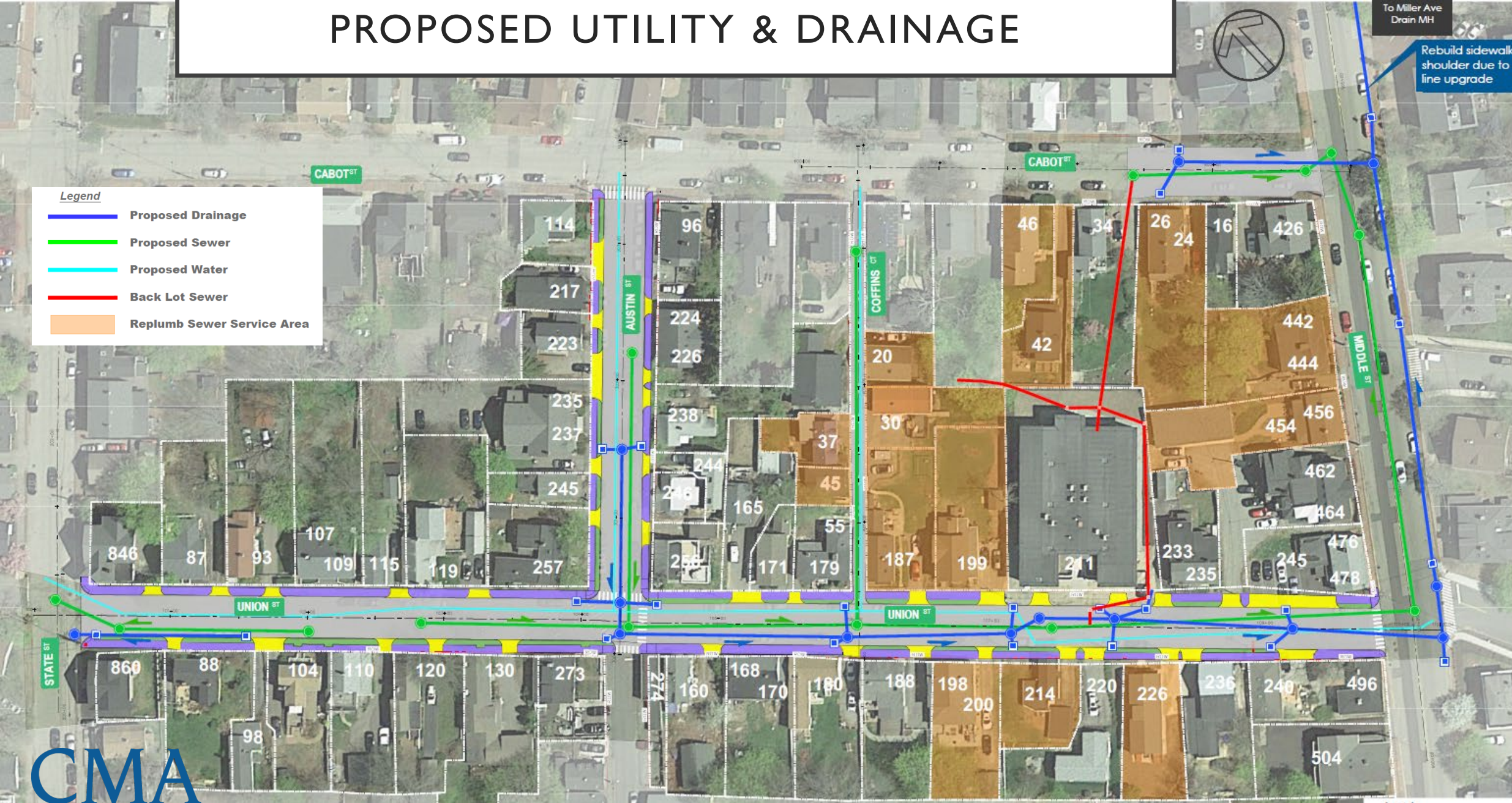
PROPOSED UTILITY & DRAINAGE

Legend

- Proposed Drainage
- Proposed Sewer
- Proposed Water
- Back Lot Sewer
- Replumb Sewer Service Area

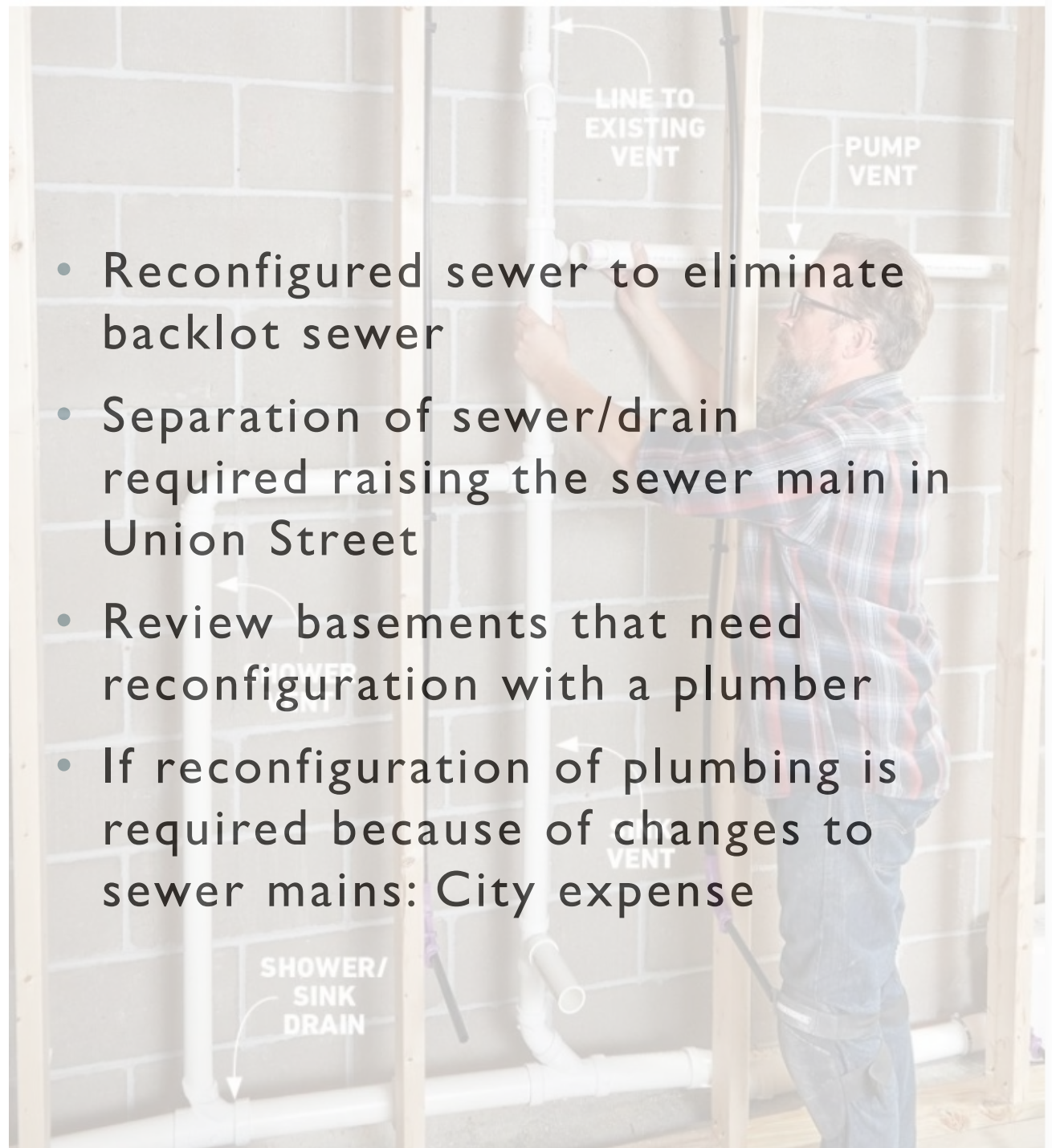
To Miller Ave
Drain MH

Rebuild sidewalk and
shoulder due to drain
line upgrade



REPLUMB SEWER SERVICE IN HOMES

- Reconfigured sewer to eliminate backlot sewer
- Separation of sewer/drain required raising the sewer main in Union Street
- Review basements that need reconfiguration with a plumber
- If reconfiguration of plumbing is required because of changes to sewer mains: City expense



SCHEDULE



Individual homeowner plumbing coordination.....*July*



Preliminary design done.....*August*



Final design.....*Fall*



Construction starts.....*Spring 2023*



PUBLIC INFO AND OUTREACH

- City Website:
<https://www.cityofportsmouth.com/publicworks/union-street-willard-ave-sewer-separation>
- Email signup for notifications

PUBLIC COMMENT

- Questions?
- Comments?
- Concerns?
- Suggestions?

