

Westside Drive Area Improvements Planning Town of Exeter, NH

Public Information Meeting #4



March 21, 2024

Panelists and Project Team

- Town of Exeter
 - Steve Cronin - Public Works Director
 - Paul Vlasich, PE – Town Engineer
 - Jay Perkins – Highway Superintendent
- NH Department of Environmental Services
 - Deborah Loiselle – Stormwater Coordinator
 - Jennifer Mates – Drinking Water and Groundwater Bureau
- Underwood Engineers
 - Cole Melendy, PE – Senior Project Manager
 - Dan Rochette, PE – Technical Leader



Agenda

1. Background & History
2. Project Components and Goals
3. Proposed Improvements
4. Next Steps and Schedule
5. Questions
6. Review Plans with Project Team



Westside Drive

Project Area

Laperle Ave

Silvio Dr.

Scammon Lane

Tilton Ave.

Westside Drive

Blanche Lane

Westside Drive

Front St
N

111

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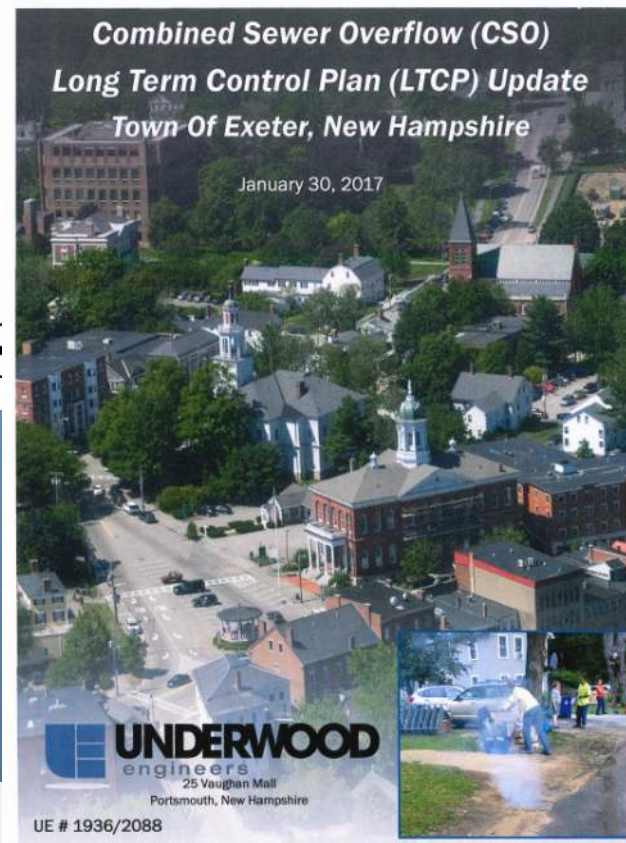
Background

- Phase III Infiltration and Inflow Evaluation (2013)
- CSO Long Term Control Plan Update (2017)
- Basis of Design for neighborhood improvements (2022)
- Town Warrant Article for construction (March 2023)

TOWN OF EXETER,
NEW HAMPSHIRE

DRAFT

PHASE III
INFILTRATION AND INFLOW
EVALUATION



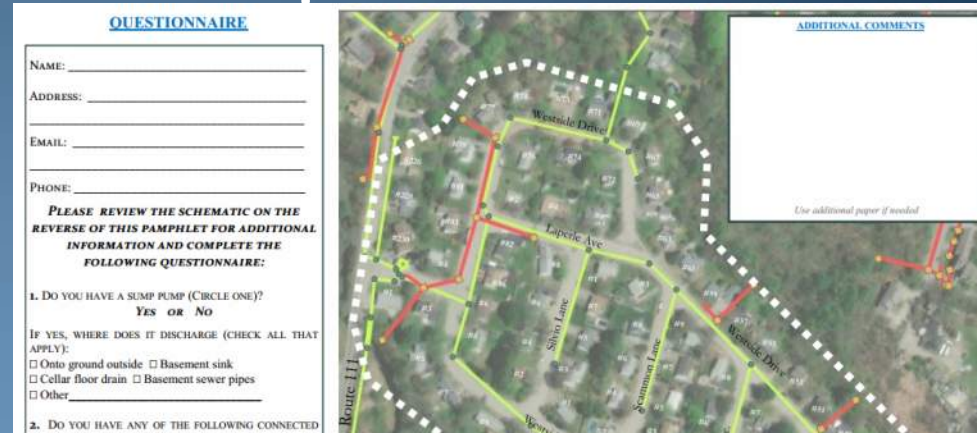
**SUMP PUMP
REMOVAL
PROGRAM***

*Includes roof leaders, floor drains, foundation drains and other illicit connections



Previous Public Participation

- Questionnaire and online survey
- Public Meeting #1 (October 28, 2020)
- Public Meeting #2 (September 20, 2021)
- Selectboard Meeting (May 31, 2022)
- Neighborhood Info. letters (Fall 2022, Spring 2023)
- Public Meeting #3 (May 16, 2023) with live poll





Rust stains on Westside Drive

Cottage Street (~15 higher), Stormwater and pipes broken?

Sidewalks not necessarily needed. (7)

3-5" ice due to ponding.

Ponding typical in non drought years

Highwater year round, sumps running constantly/often

Soggy backyards, and stormwater runoff damaging fences

StormDrain clogs and creates ponding

Highwater year round, sumps running constantly/often

Stormwater Flow

StormDrain clogs and creates ponding

Blind corner for traffic, SW needed possibly

Stormwater runoff flows to driveway

Wet basement

Stormdrain appears broken, causing sinkhole in back yard

Ponding regular, check on 19,21

Sewer services rooted, vc pipes maybe broken, I/I

Stormwater runoff flows to driveway

Legend
Drainage Issues

Main Project Components

- Sump Pump Lateral Connections for Interior Lots
 - Sewer Inflow Removal
- Stormwater and Roadway Infrastructure Improvements
- Water Main Replacement

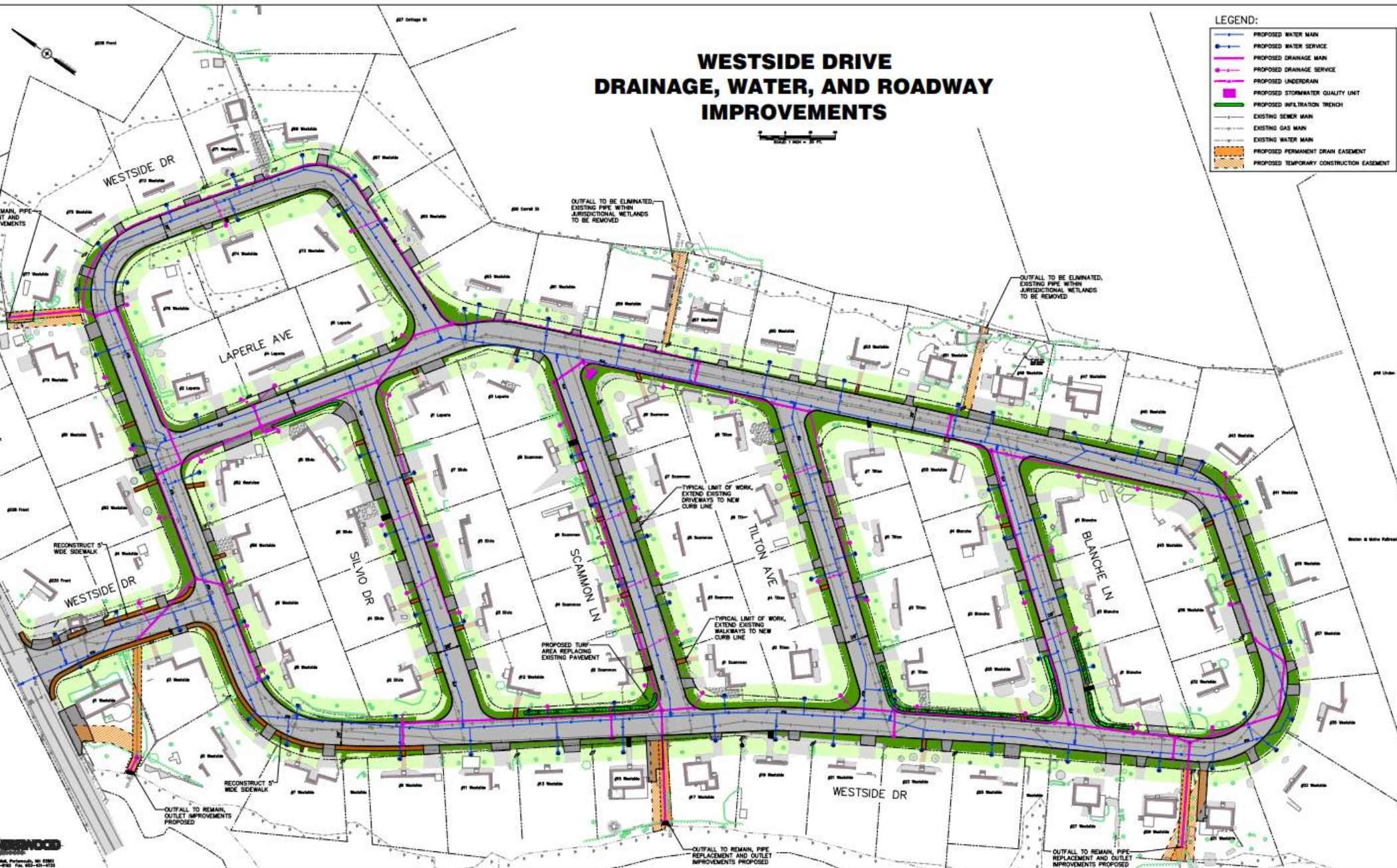


WESTSIDE DRIVE DRAINAGE, WATER, AND ROADWAY IMPROVEMENTS



LEGEND:

- PROPOSED WATER MAIN
- PROPOSED WATER SERVICE
- PROPOSED DRAINAGE SERVICE
- PROPOSED UNDERDRAIN
- PROPOSED STORMWATER QUALITY UNIT
- PROPOSED INFILTRATION TRENCH
- EXISTING SEWER MAIN
- EXISTING GAS MAIN
- EXISTING WATER MAIN
- PROPOSED PERMANENT DRAIN EASEMENT
- PROPOSED TEMPORARY CONSTRUCTION EASEMENT



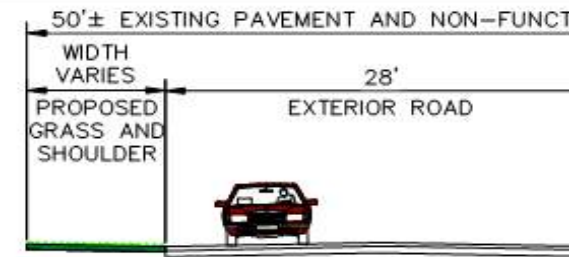
UNDERWOOD
engineers



Sump Pump Drain Services

LEGEND:

-  PROPOSED GRASS/GRAVEL SHOULDER
-  PROPOSED SIDEWALK RECONSTRUCTION
-  PROPOSED PAVEMENT/TRAVEL WAY



Sump Pump Services



RECONSTRUCT SIDEWALK IN THIS AREA ONLY

Perimeter Properties to Back Lots

DATE: 5/2023
 PROJECT: 2873

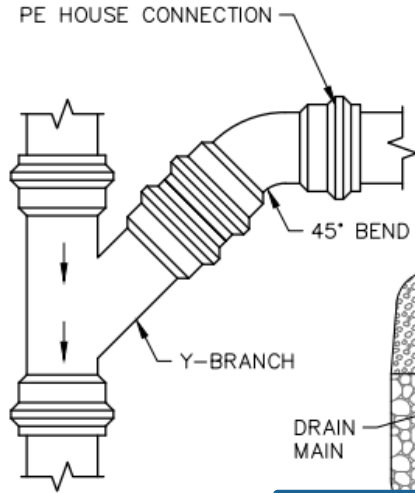
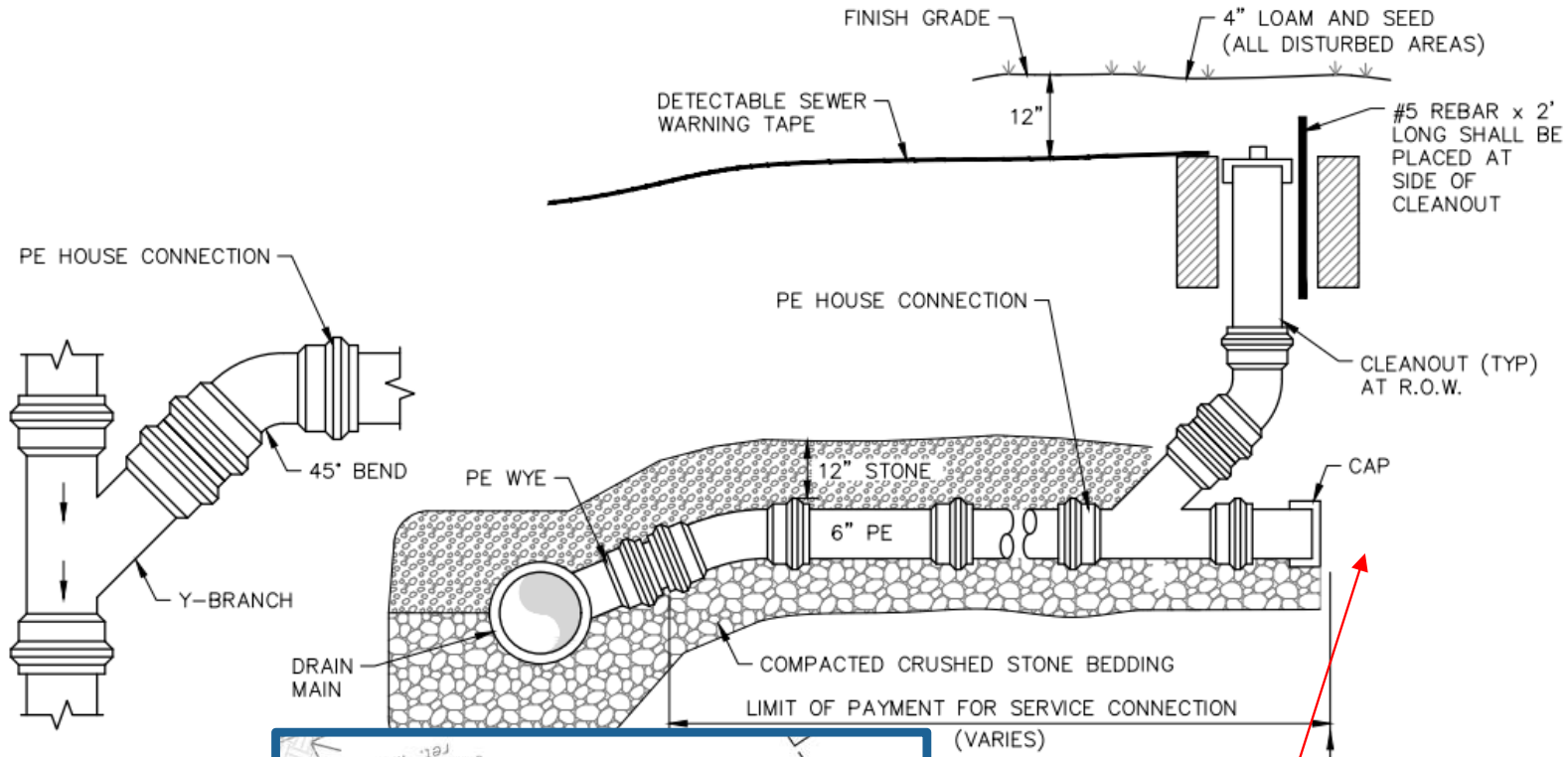
 25 Vaughan Mall, Portsmouth, N.H. 03801



Sump Pump Services (Interior Lots)

SERVICE CONNECTION NOTES:

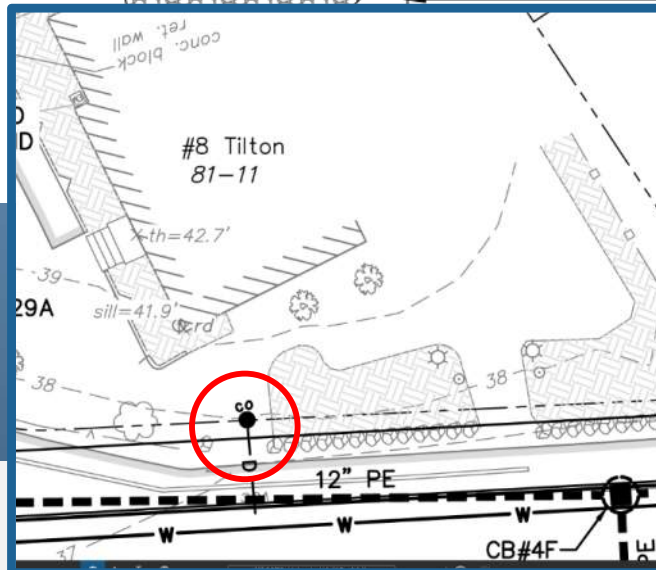
1. EACH PROPERTY SHALL BE PROVIDED A DRAIN LATERAL TO FACILITATE PRIVATE SUMP CONNECTIONS OR AS DIRECTED BY ENGINEER.
2. PE DOWNSPONT RISER PIPE AND FITTINGS ARE INCIDENTAL TO ITEM 603.82106 AND WILL NOT BE CONSIDERED FOR PAYMENT.
3. SERVICE TEES SHALL BE ORIENTED @ 10:30 OR 1:30 (TYP). UNDER NO CIRCUMSTANCES SHALL SERVICES BE LOCATED BETWEEN 3:00 AND 9:00.



PLAN

LOCATE EACH SEWER STUB PER PLAN

Homeowner responsible for connection at ROW



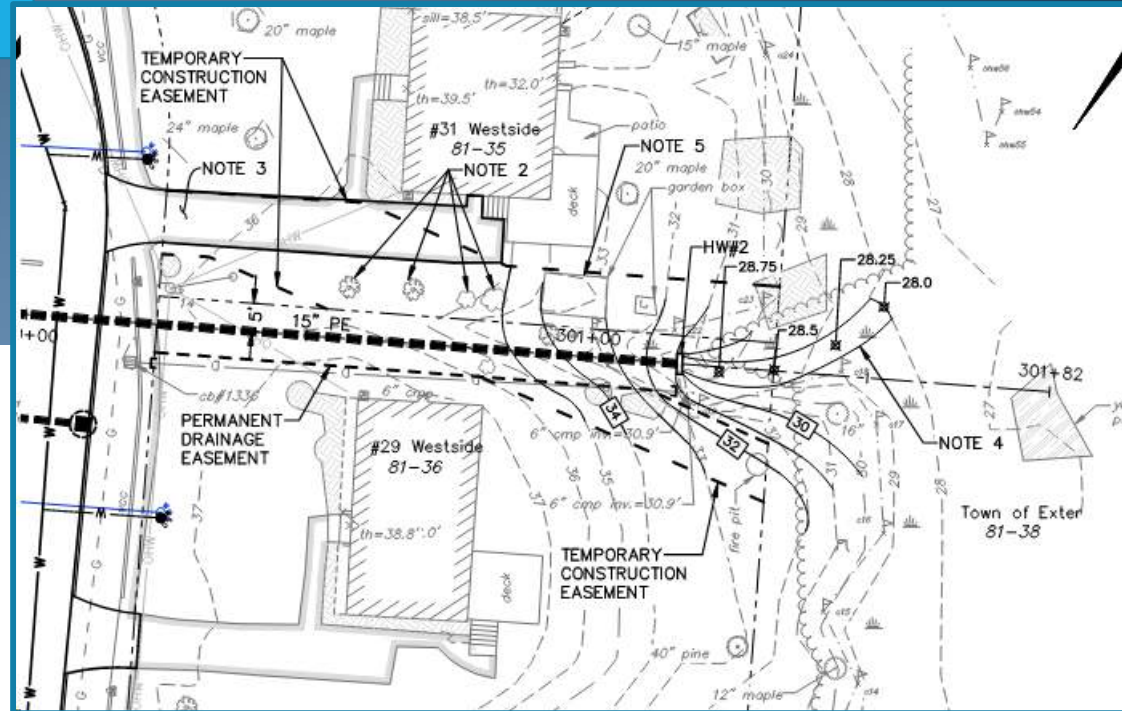
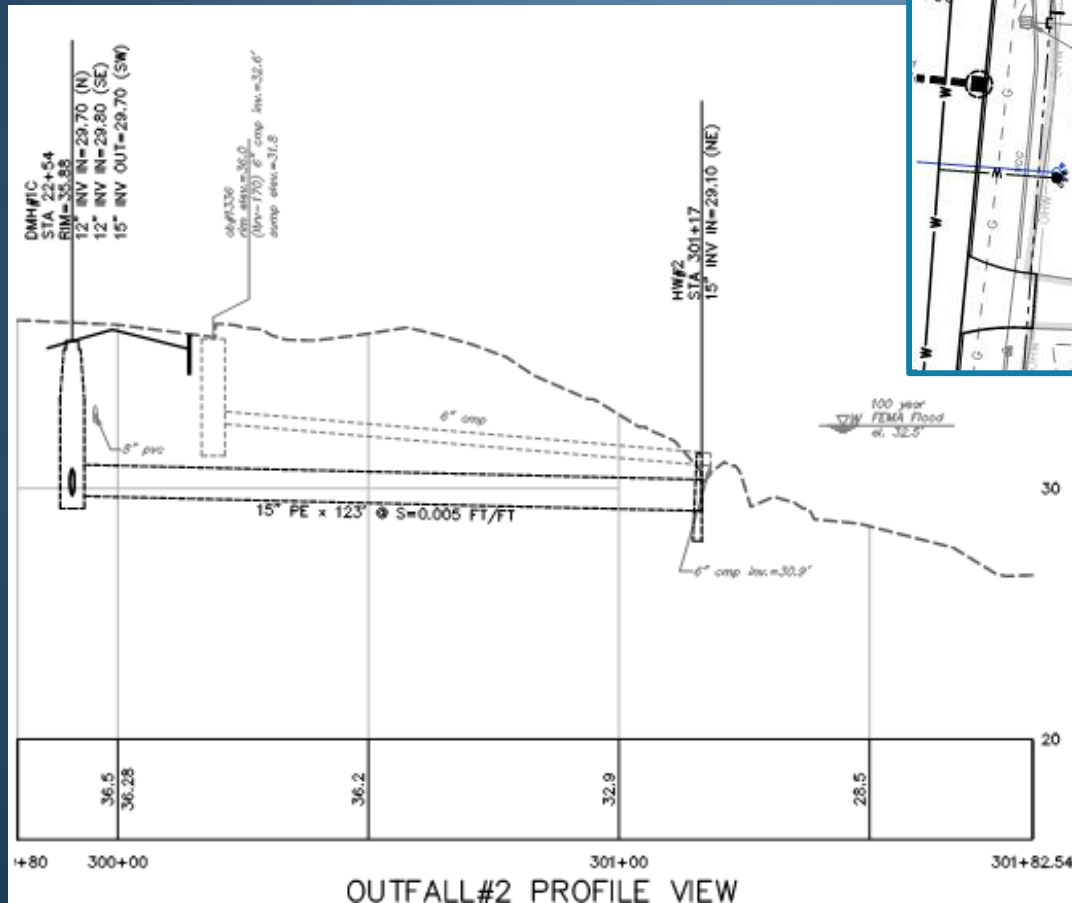
DRAIN SERVICE CONNECTION
NOT TO SCALE

Drainage System Improvements

Outfall Improvements



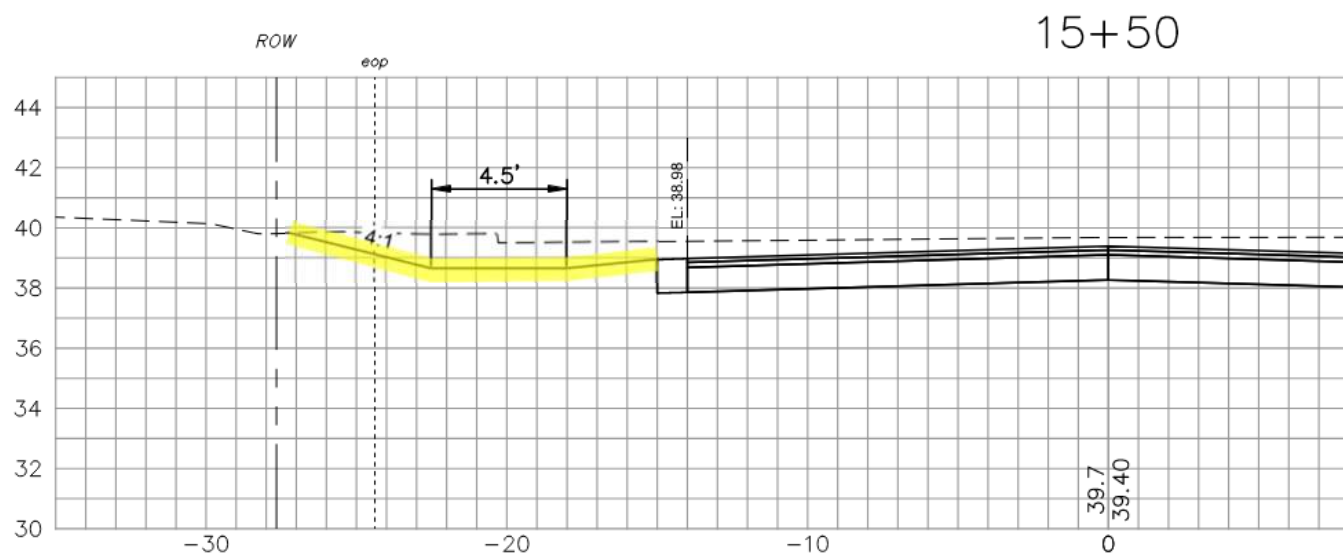
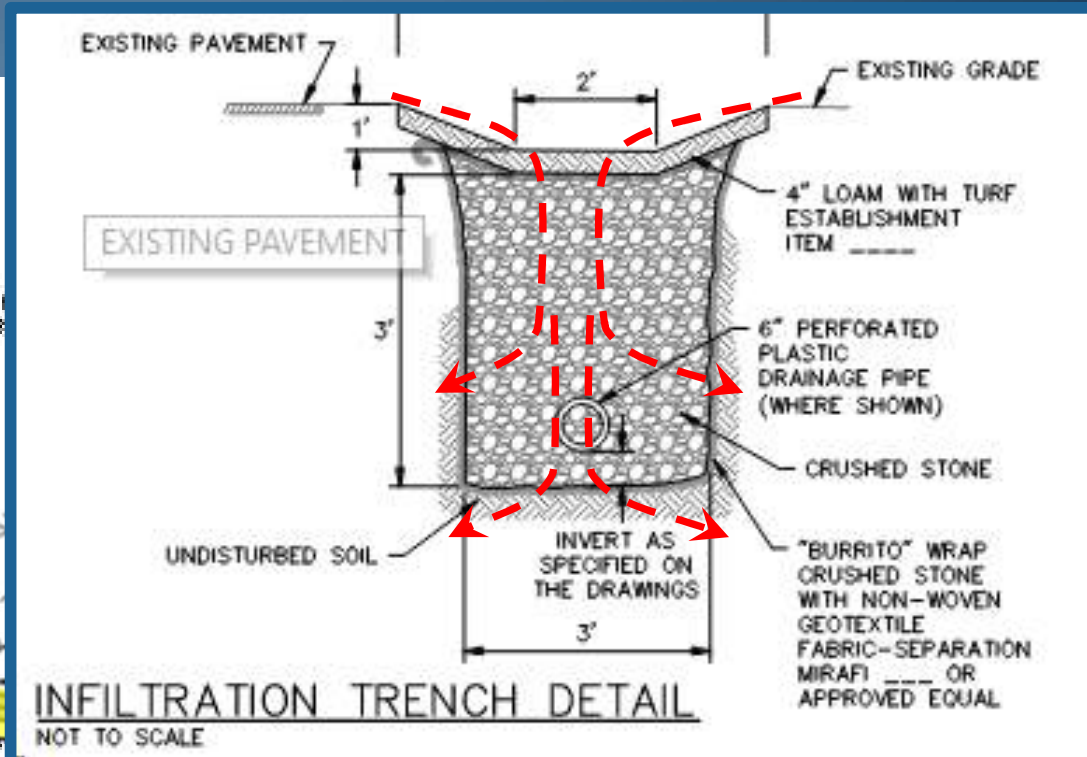
Outfall Improvements



- Replace failing pipes
- Improve hydraulics
- Work outside R-O-W



Stormwater Treatment – Infiltration Trench



Roadway Improvements



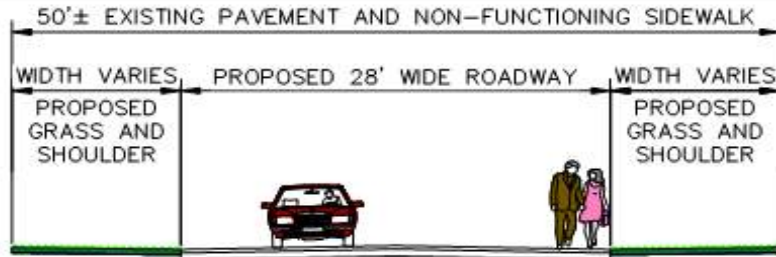
Roadway Improvements

- Width reduction – 28' paved width reduces runoff
- Grading improvements reduces ponding
- Curbing helps control water
- Sidewalk at entrance area

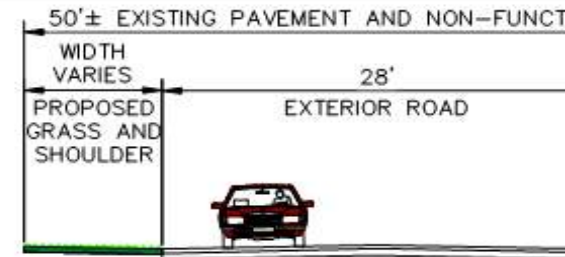
PER PREVIOUS
MEETINGS

LEGEND:

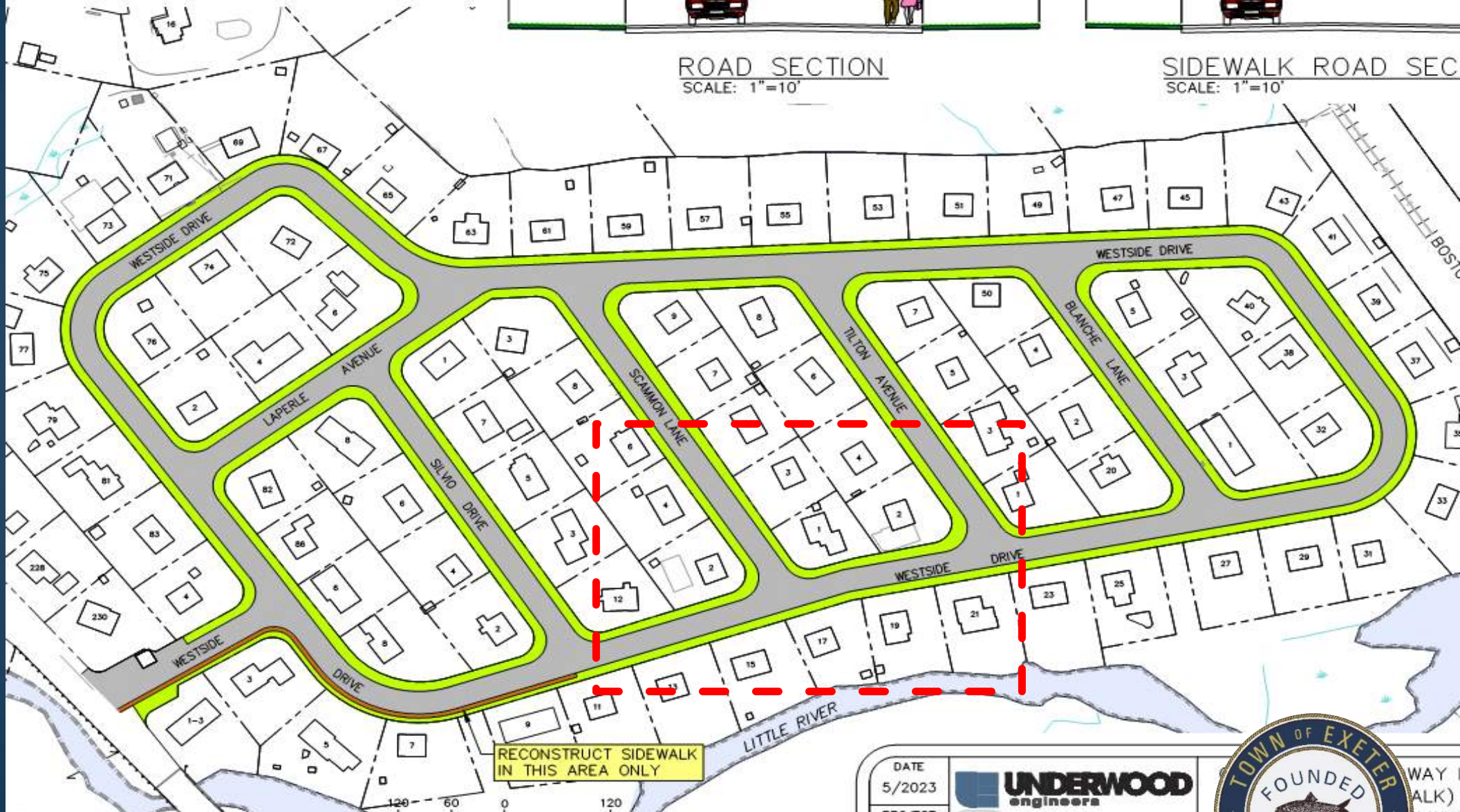
-  PROPOSED GRASS/GRAVEL SHOULDER
-  PROPOSED SIDEWALK RECONSTRUCTION
-  PROPOSED PAVEMENT/TRAVEL WAY



ROAD SECTION
SCALE: 1"=10'



SIDEWALK ROAD SECTION
SCALE: 1"=10'



DATE
5/2023



UNDERWOOD
engineers

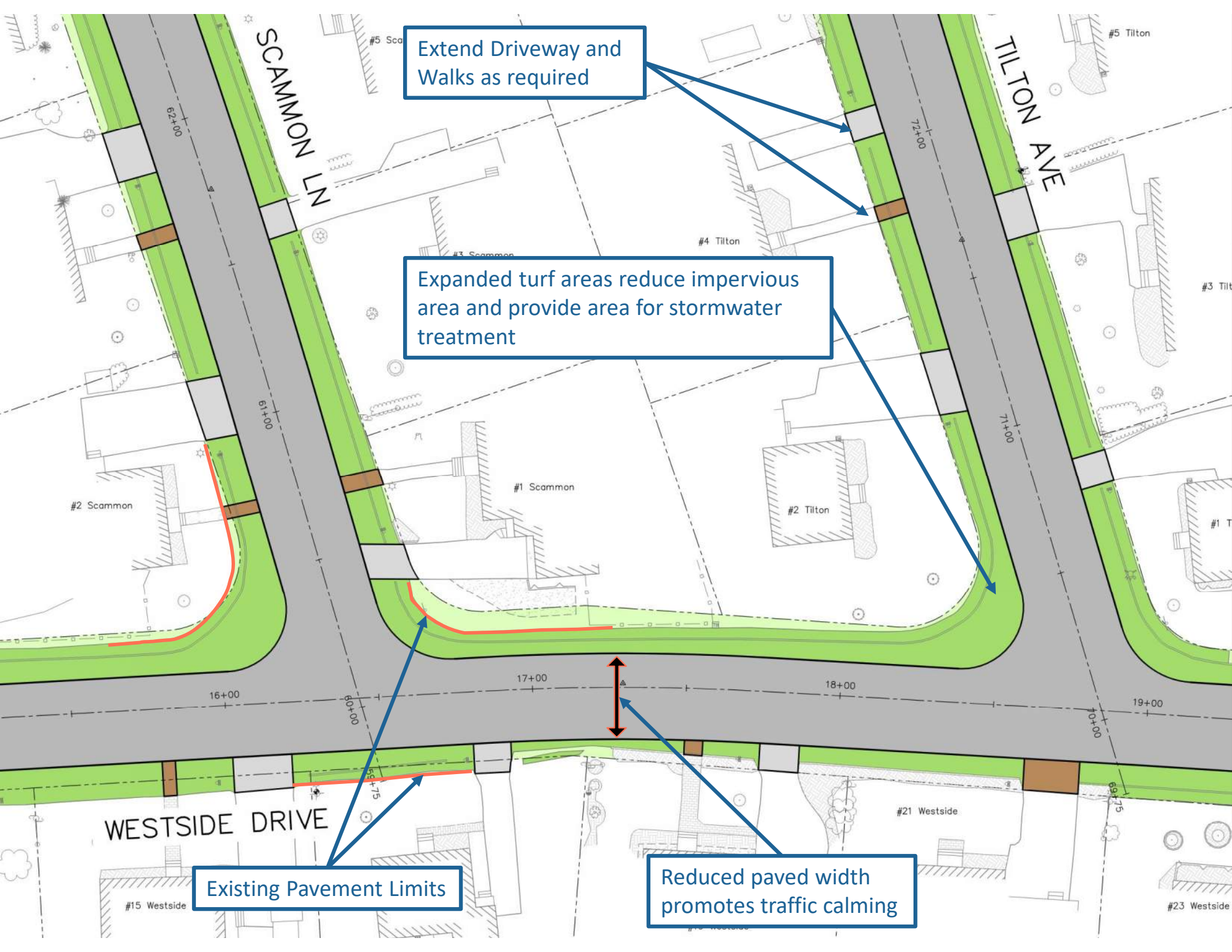


Extend Driveway and Walks as required

Expanded turf areas reduce impervious area and provide area for stormwater treatment

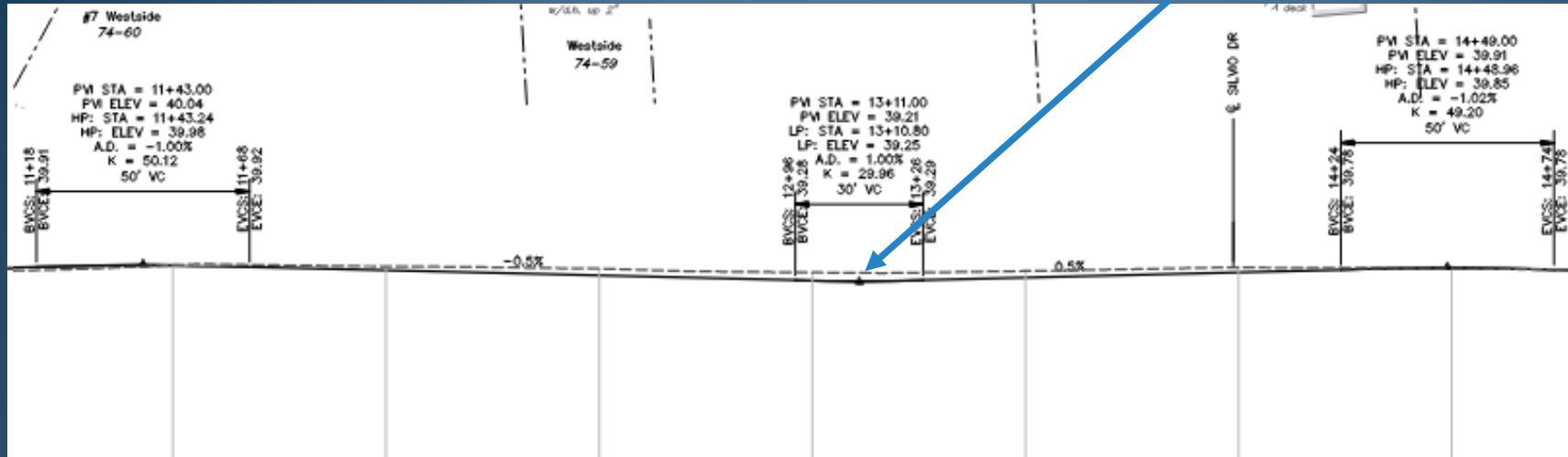
Existing Pavement Limits

Reduced paved width promotes traffic calming

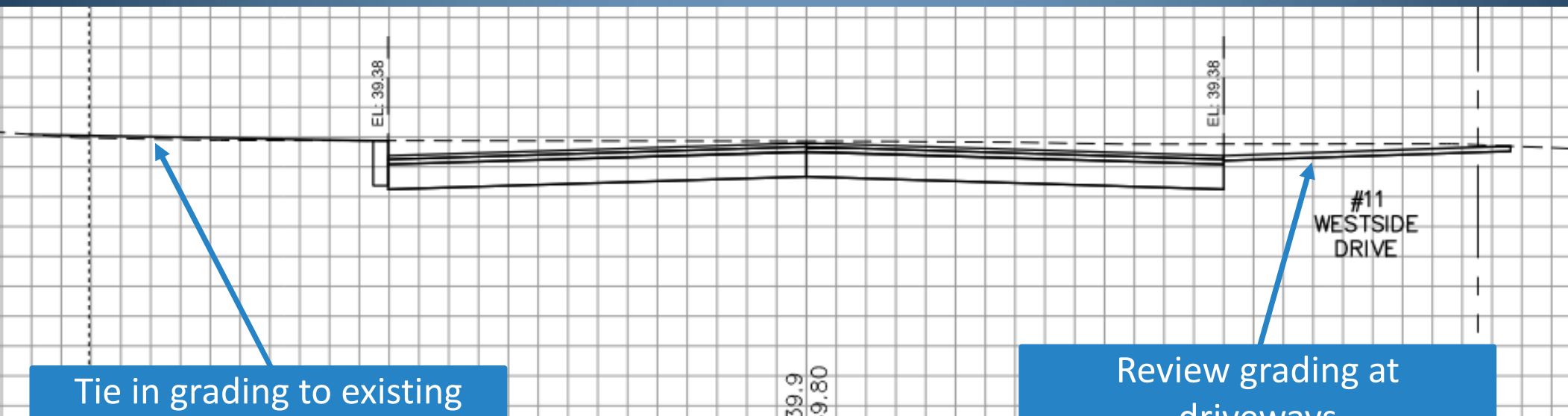


Roadway - Grading

Defined low points align with drainage structures



Profile View



Tie in grading to existing lawns and walkways

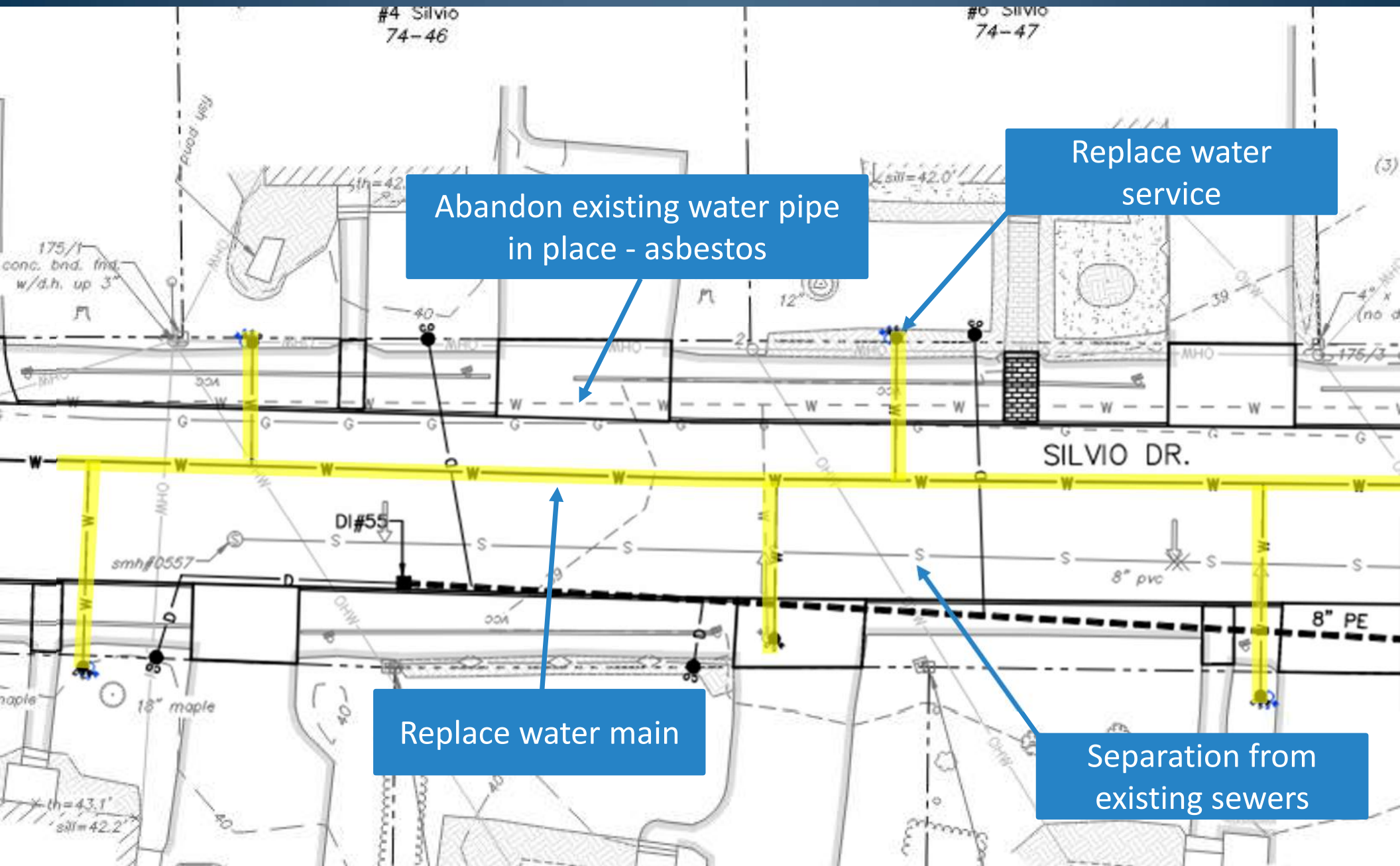
Cross Sectional View

Review grading at driveways

Water System Improvements

Water System Improvements

- Replace existing water mains
- Provide new water service piping to the Right-of-Way
- Hydrant Replacement



Abandon existing water pipe in place - asbestos

Replace water service

Replace water main

Separation from existing sewers

Next Steps and Schedule

- | | |
|------------------------------|-------------|
| – Drainage Outfall Easements | In Progress |
| – DWSRF Funding Applications | May 2024 |
| – Bidding | Fall 2024 |
| – Start of Construction | TBD |

Ongoing Public Info

- Please go to the Town's website:

<https://www.exeternh.gov/publicworks/westside-drive-area-utility-improvement-project>



Contacts

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Questions