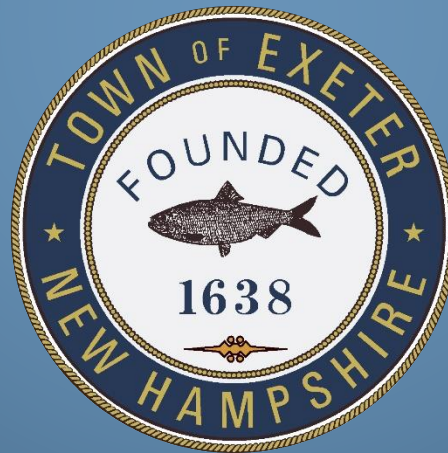


# Westside Drive Area Improvements Planning Town of Exeter, NH

## Public Information & Input Meeting #2



September 20, 2021

# Introductions

## Panelists and Project Team

- Town of Exeter
  - Paul Vlasich, PE – Town Engineer
  - Jennifer Mates, PE – Asst. Town Engineer/Project Manager
- Underwood Engineers
  - Keith A. Pratt, PE - President
  - Cole S. Melendy, PE – Project Manager
- NH Department of Environmental Services
  - Deborah Loiselle – Stormwater Coordinator



# Agenda

1. Background
2. Project Goals
3. Project Scope and Approach
4. Public Information
5. Conceptual Plans
6. Next Steps and Contacts
7. Public Participation (Questions and Input)



Westside Drive

Project Area

Laperle Ave

Silvio Dr.

Scammion Lane

Tilton Ave.

Westside Drive

Blanche Lane

Westside Drive

Front St

Charter St

# Background

- Phase III Infiltration and Inflow Evaluation (2013)
- CSO Long Term Control Plan Update (2017)

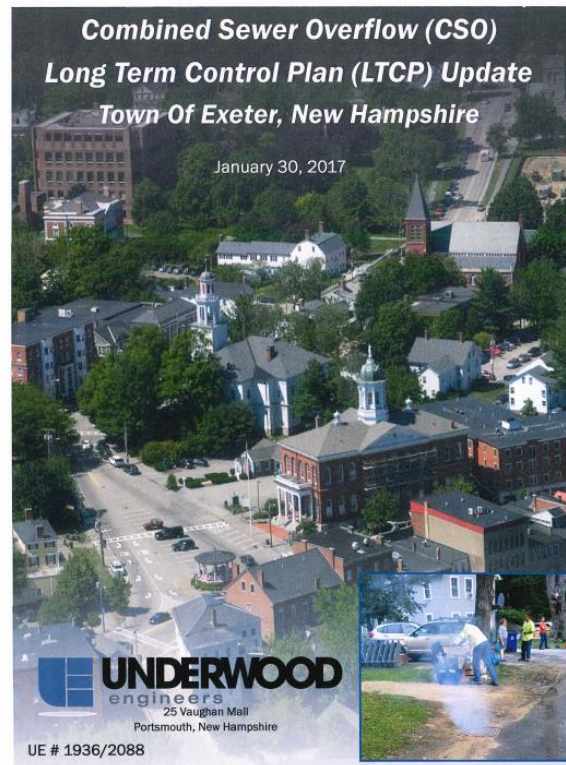
TOWN OF EXETER,  
NEW HAMPSHIRE

DRAFT

PHASE III  
INFILTRATION AND INFLOW  
EVALUATION

*Combined Sewer Overflow (CSO)  
Long Term Control Plan (LTCP) Update  
Town-Of Exeter, New Hampshire*

January 30, 2017



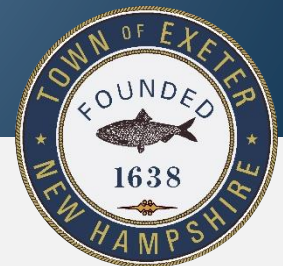
**SUMP PUMP  
REMOVAL  
PROGRAM\***

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



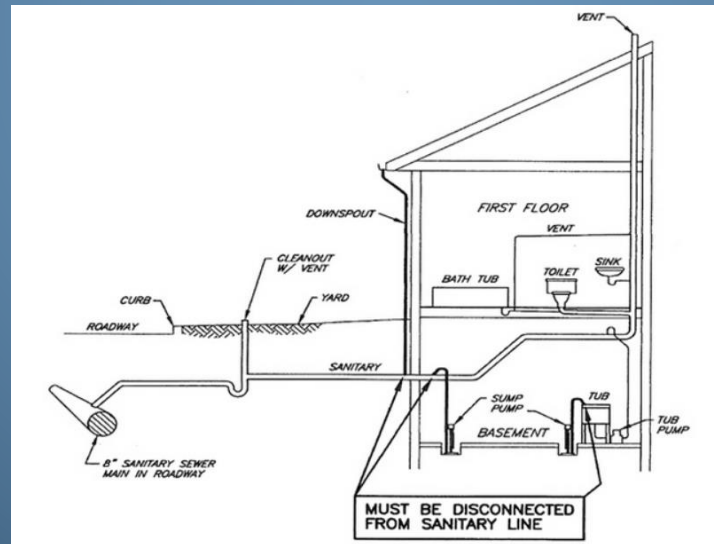
# Background

- Combined Sewer Overflows (CSO)
  - Occurs when the sewer's capacity is exceeded
- CSO Long Term Control Plan (CSO LTCP)
  - Strategic plan for removing stormwater and groundwater from the Town's sewer collection system.
  - Westside Drive Area identified as an area with significant private I/I and a pilot area for the Town



# Background

- Private I/I Sources
  - Stormwater systems (sumps/drains) connected to the sewer system
  - Takes up sewer capacity (CSO)
  - Increases WWTF treatment and user costs



# Background

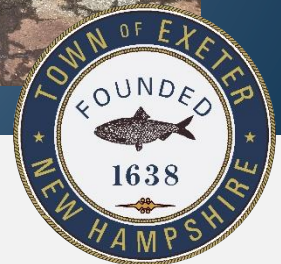
- Project Funding
  - \$100k budget to develop planning documents and conceptual designs for the Westside Drive Area
    - \$75K from NHDES Loan (with principal forgiveness)
    - \$25K from Town's sewer maintenance fund



# Project Goals

## Develop a planning document for the Westside Drive Area to:

- Improve Town utilities and roadways within the neighborhood.
- Improve drainage issues
- Remove groundwater/stormwater from entering the Town's sewer system.
- Solicit input/feedback from residents to incorporate other neighborhood infrastructure improvements



# Project Scope and Approach

- **Planning Level Scope**

- **Task 1** – Public Participation

- **Task 2** – Mapping and Base Plan Development

- **Task 3** – Subsurface Investigation and Evaluation


- **Task 4** – Basis of Design Planning Document and Conceptual Plans for the preferred alternative

# Public Information and Involvement



# Public Participation

- **Work completed so far:**
  - Questionnaire and online survey
  - Public Meeting #1 (October 28, 2020)
  - Public Meeting #2 (Happening Now)



**WESTSIDE DRIVE**

**AREA**

**QUESTIONNAIRE**

PLEASE FILL OUT THIS PAMPHLET AND RETURN TO THE TOWN OF EXETER.



# Questionnaire



**WESTSIDE DRIVE**

**AREA**

**QUESTIONNAIRE**

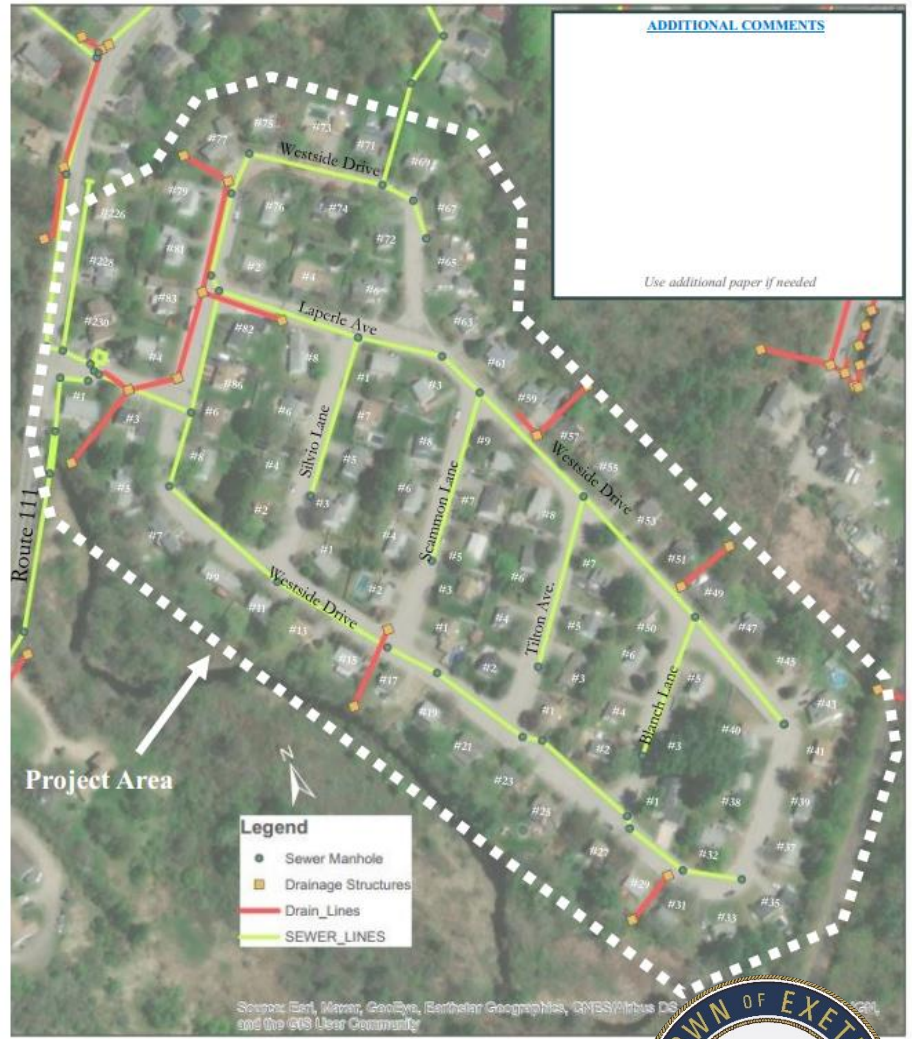
PLEASE FILL OUT THIS PAMPHLET AND RETURN TO THE TOWN OF EXETER.

**QUESTIONNAIRE**

NAME: \_\_\_\_\_  
 ADDRESS: \_\_\_\_\_  
 EMAIL: \_\_\_\_\_  
 PHONE: \_\_\_\_\_

**PLEASE REVIEW THE SCHEMATIC ON THE REVERSE OF THIS PAMPHLET FOR ADDITIONAL INFORMATION AND COMPLETE THE FOLLOWING QUESTIONNAIRE:**

- DO YOU HAVE A SUMP PUMP (CIRCLE ONE)?  
**YES OR NO**  
 IF YES, WHERE DOES IT DISCHARGE (CHECK ALL THAT APPLY):  
 Onto ground outside    Basement sink  
 Cellar floor drain    Basement sewer pipes  
 Other \_\_\_\_\_
- DO YOU HAVE ANY OF THE FOLLOWING CONNECTED TO THE SEWER (CHECK ALL THAT APPLY)?  
 Floor drain    Foundation Drain    Yard Drain  
 Roof Drain    Gutters w/ Downspouts    Sump Pumps  
 Comments \_\_\_\_\_
- HAVE YOU EXPERIENCED?  
 Odors    Flooded Basement    Sewer Backups  
 Sewer Pipes Clogged    Other \_\_\_\_\_
- WOULD YOU LIKE A TOWN REPRESENTATIVE TO ASSIST YOU WITH THE COMPLETION OF THIS QUESTIONNAIRE OR OTHER TECHNICAL ASSISTANCE?  
**YES OR NO**
- DO YOU NOTICE DRAINAGE ISSUES IN YOUR NEIGHBORHOOD? IF SO PLEASE MARK UP THE AERIAL PHOTO SHOWING WHERE AND PROVIDE ADDITIONAL COMMENTS.

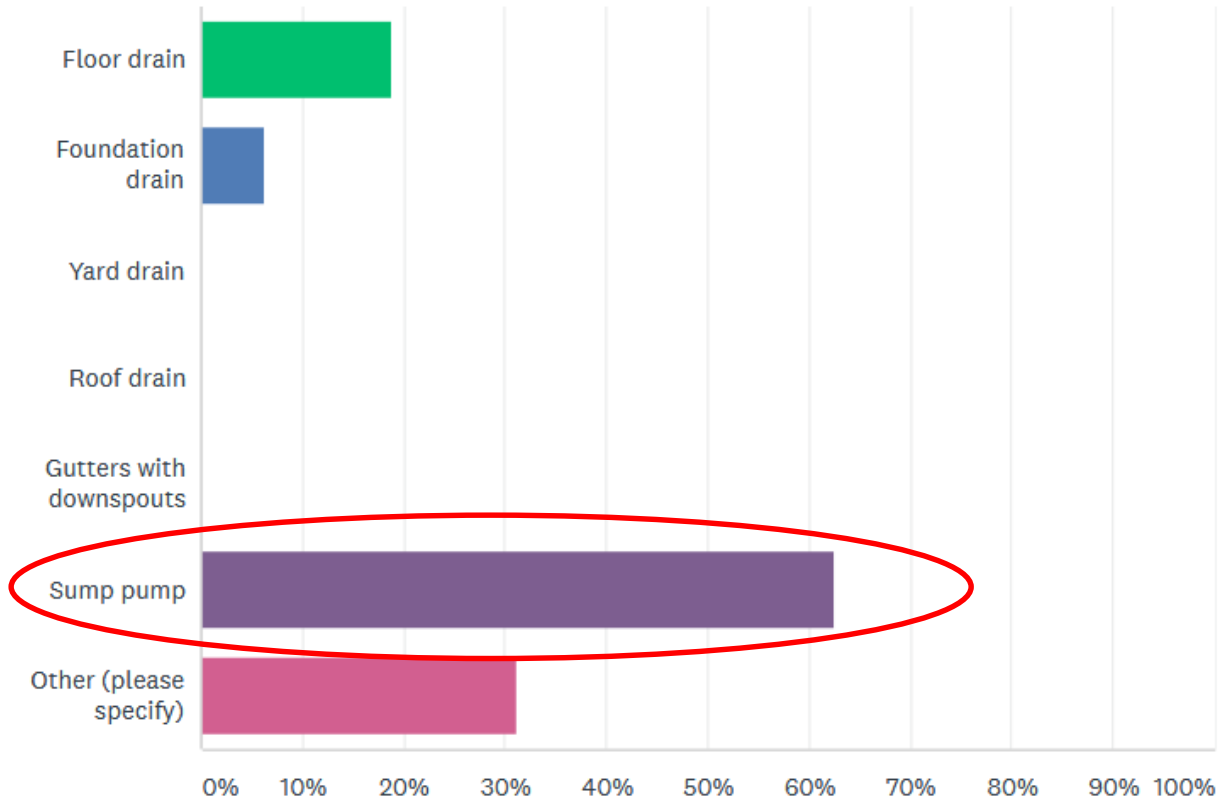


Q4



Do you have any of the following connected to the sewer? (Check all that apply)

Answered: 16 Skipped: 22

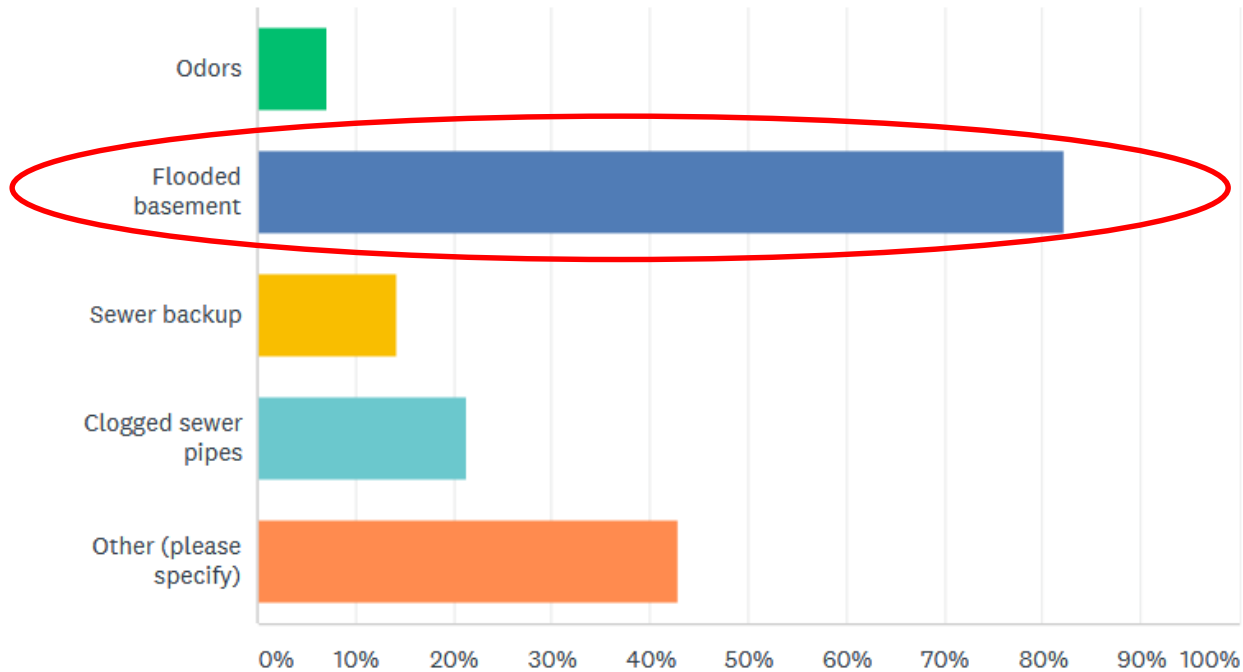


Q5



Have you experienced any of the following sewer/drainage problems? (Check all that apply)

Answered: 28 Skipped: 10



# Public Engagement Meeting Listening Session #1

- October 28, 2020
- Blank Slate Engage Public to Collect Ideas:
  - Sump Pumps
  - Drainage Issues
  - Pedestrian Safety

**Benefit is that  
most of the effort  
is completed after  
public input**





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



# Proposed Project – Main Components

- Water Main Replacement
- Drainage Improvements and Sump Pump Mitigation
- Roadway Improvements

# Conceptual Drainage Improvements

**LEGEND:**

-  PROPOSED UNDERDRAIN
-  PROPOSED DRAIN
-  PROPOSED SUMP PUMP COLLECTOR
-  PROPOSED DRAIN STRUCTURE
-  EXISTING DRAIN TO REMAIN IN USE
-  EXISTING DRAIN TO BE REPLACED

**NOTES:**

1. PROPOSED DRAINS ARE CONCEPTUAL LOCATIONS, SIZES, AND ALIGNMENT MUST BE REFINED DURING FINAL DESIGN.
2. SEE CONCEPTUAL DRAINAGE PROFILE FOR ADDITIONAL INFORMATION.

Sump Pump Collectors for Interior Roads



SCALE: 1 INCH = 120 FT.

DATE  
9/2021  
PROJECT  
2588



25 Vaughan Mall, Portsmouth, N.H. 03801  
Tel. 603-436-6192 Fax. 603-431-4733

CONCEPTUAL DRAINAGE  
IMPROVEMENTS PLAN  
WESTSIDE DRIVE PLANNING  
EXETER, NEW HAMPSHIRE

# Conceptual Roadway Improvements



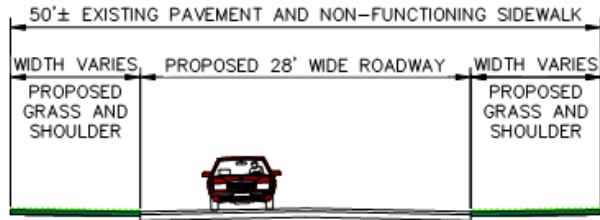
# Roadway Improvements Considerations

- Reduced impervious area (pavement)
  - Environmental benefits
  - Improves drainage
  - Improves aesthetics
  - Traffic calming
  
- Pedestrian/Sidewalk Considerations



**LEGEND:**

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



**ROAD SECTION**  
SCALE: 1"=10'

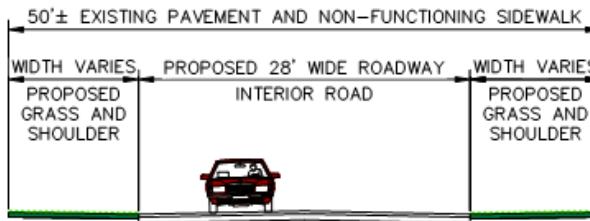


SCALE: 1 INCH = 120 FT.

DATE 9/2021		CONCEPTUAL ROADWAY PLAN #2	FIG.
PROJECT 2558		(NO SIDEWALK) WESTSIDE DRIVE PLANNING EXETER, NEW HAMPSHIRE	3B
25 Vaughan Mall, Portsmouth, N.H. 03801 Tel. 603-436-6192 Fax. 603-431-4733			

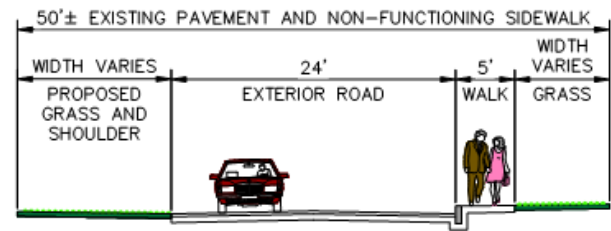
**LEGEND:**

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



**INTERIOR ROAD SECTION**

SCALE: 1"=10'



**EXTERIOR ROAD SECTION**

SCALE: 1"=10'



DATE 9/2021	<b>UNDERWOOD</b> engineers	CONCEPTUAL ROADWAY PLAN #1 (PERIMETER SIDEWALK) WESTSIDE DRIVE PLANNING EXETER, NEW HAMPSHIRE	FIG. 3A
PROJECT 2588	25 Vaughan Mall, Portsmouth, N.H. 03801 Tel. 603-436-6192 Fax. 603-431-4733		



# Ongoing Public Info

- Please go to the Town's website:

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

# Schedule

- **Project Schedule**

- Finalize planning document Fall 2021

- Possible Warrant Article Vote Spring 2022

**TBD**

- Final Design FY 2022

- Possible Construction FY 2023

# Contacts

## Town of Exeter

Jennifer Mates, PE

Assistant Town Engineer and Project Manager

13 Newfields Rd.

(603) 418-6431

[jmates@exeternh.gov](mailto:jmates@exeternh.gov)

## Underwood Engineers

Cole S. Melendy, PE

Project Manager

(603) 436-6192

[cmelendy@underwoodengineers.com](mailto:cmelendy@underwoodengineers.com)



# Public Input

Questions

New Input

