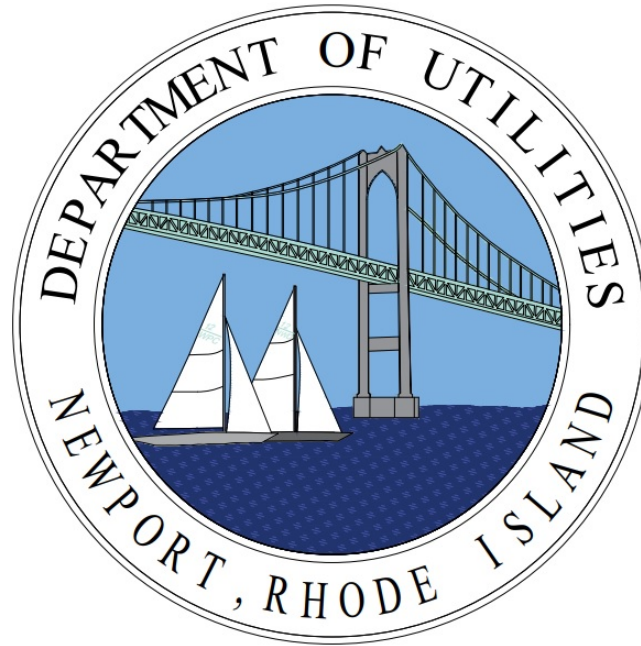


# Washington Square & Thames Street Emergency Water Main Project



**JAMES J. GEREMIA & ASSOCIATES, INC.**  
CONSULTING ENVIRONMENTAL ENGINEERS & SCIENTISTS

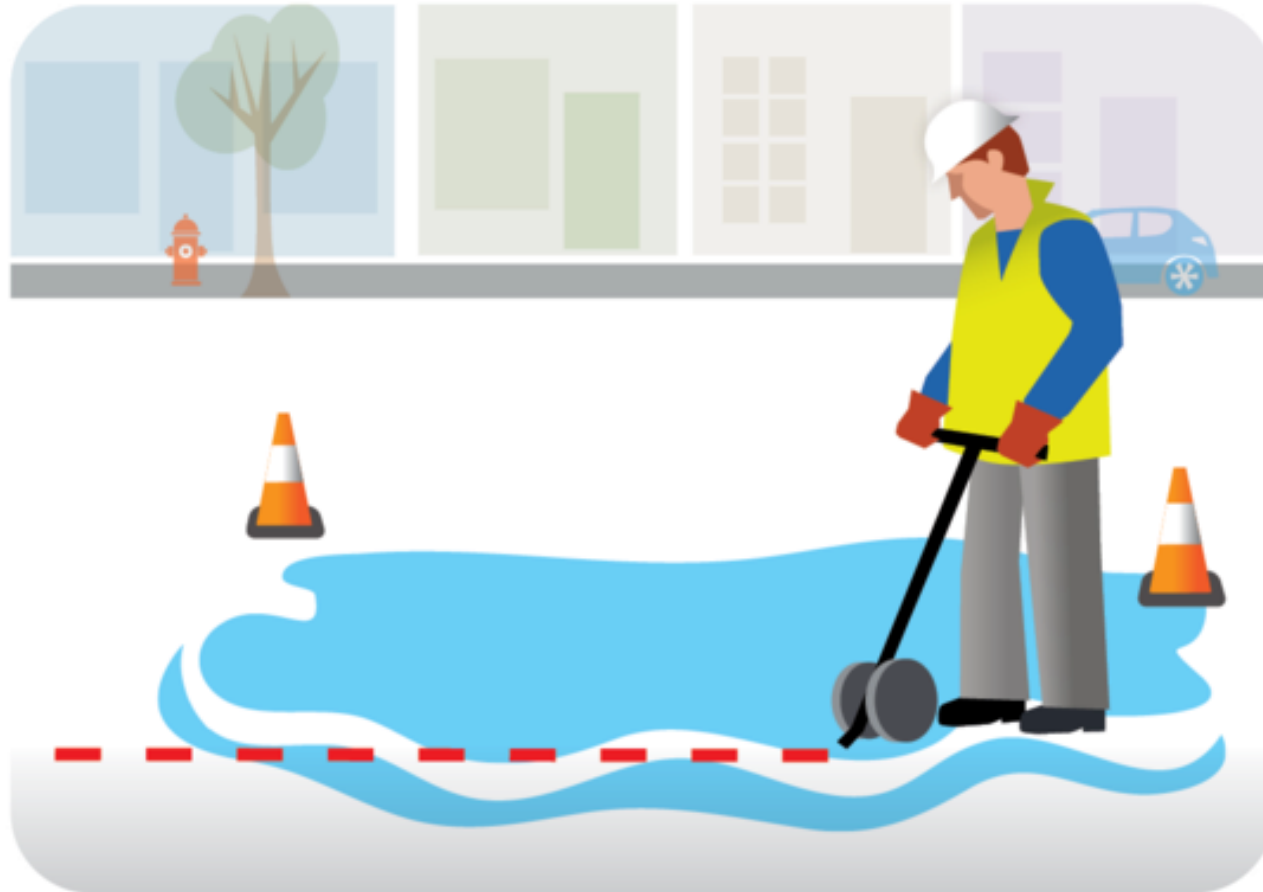
**THE PROBLEM:** 12" WATER MAIN BREAK **THE CHALLENGE:** DEEP, UNDER THE SEWER, STORM, AND NEXT TO GAS  
STANDARD PROCESS FOR WATER MAIN BREAKS

Step one: Respond to the site of the leak. Reduce the flow of the water by turning control valves.



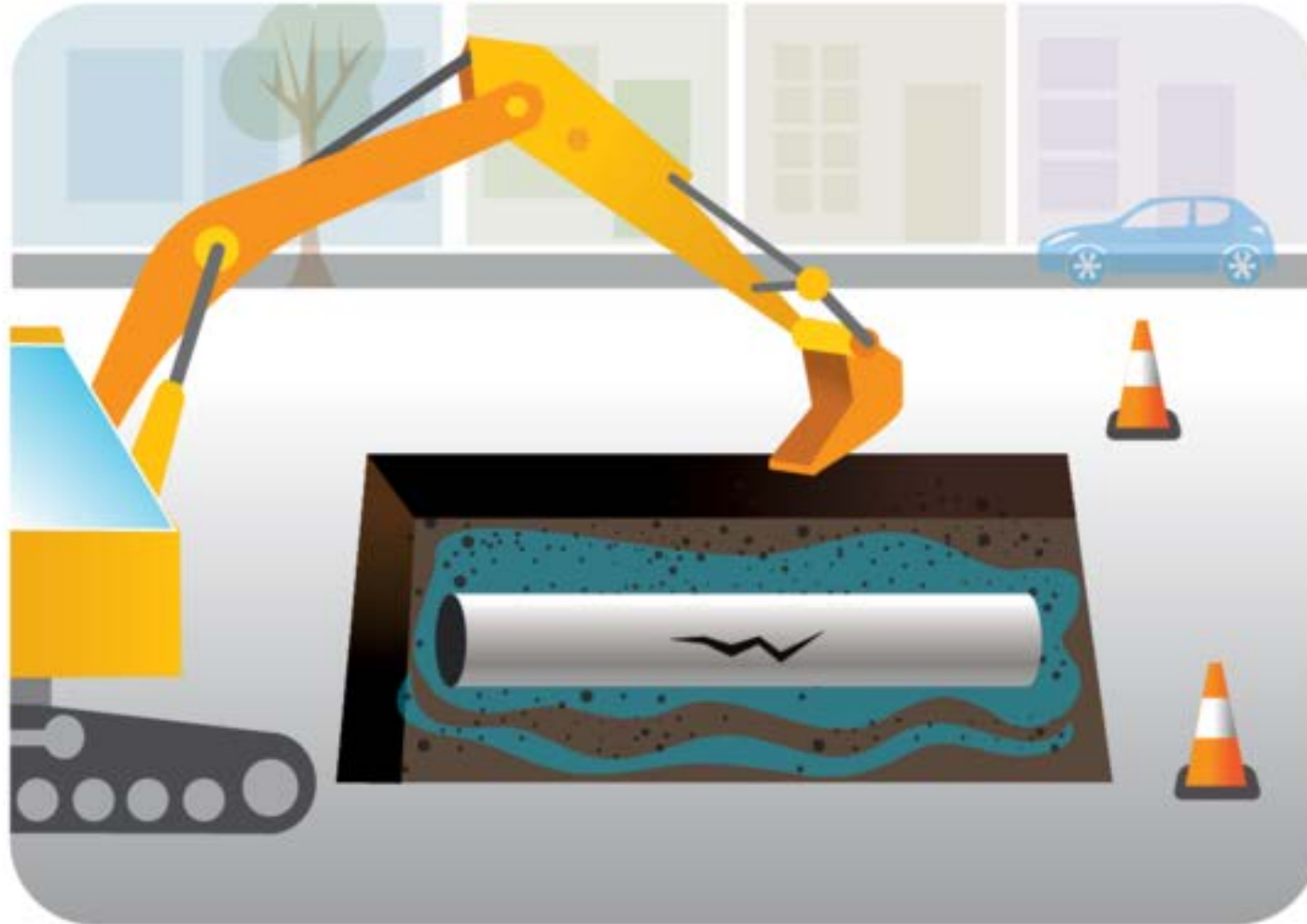
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STANDARD PROCESS FOR WATER MAIN BREAKS

Step two: Request marking of gas, electric, and other utility lines so we can dig safely.



**THE PROBLEM:** 12" WATER MAIN BREAK **THE CHALLENGE:** DEEP, UNDER THE SEWER, STORM, AND NEXT TO GAS  
STANDARD PROCESS FOR WATER MAIN BREAKS

Step three: Cut open the road and dig down to the pipe.



**THE PROBLEM:** 12" WATER MAIN BREAK **THE CHALLENGE:** DEEP, UNDER THE SEWER, STORM, AND NEXT TO GAS  
STANDARD PROCESS FOR WATER MAIN BREAKS

## Step four: Repair or replace the pipe.



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STANDARD PROCESS FOR WATER MAIN BREAKS

Step five: Open a fire hydrant to pull clean water through the pipes, test water quality, then turn all the water back on.



**THE PROBLEM:** 12" WATER MAIN BREAK **THE CHALLENGE:** DEEP, UNDER THE SEWER, STORM, AND NEXT TO GAS  
STANDARD PROCESS FOR WATER MAIN BREAKS

Step six: Fill the hole and patch or put a plate on the street.  
Plan a permanent street repair.



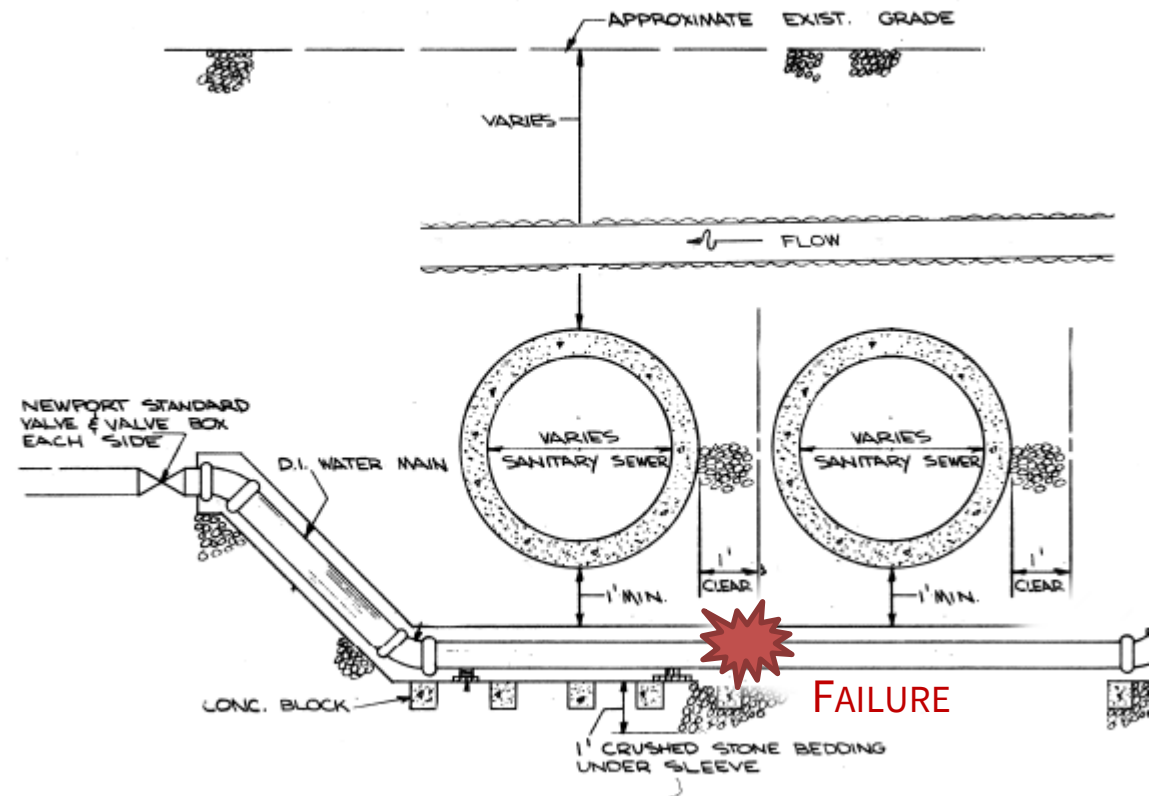
# PROJECT OVERVIEW

This project will replace the aging water infrastructure at Washington Square and Thames Street in Newport, Rhode Island. The existing water main has failed under the twin 54" concrete sewer and needs to be replaced to ensure the water system's reliability.

## WHY NOW: BREAK CURRENTLY ISOLATED BY VALVES

## CREATES TWO DEAD ENDS AND IMPACTS THE FOLLOWING

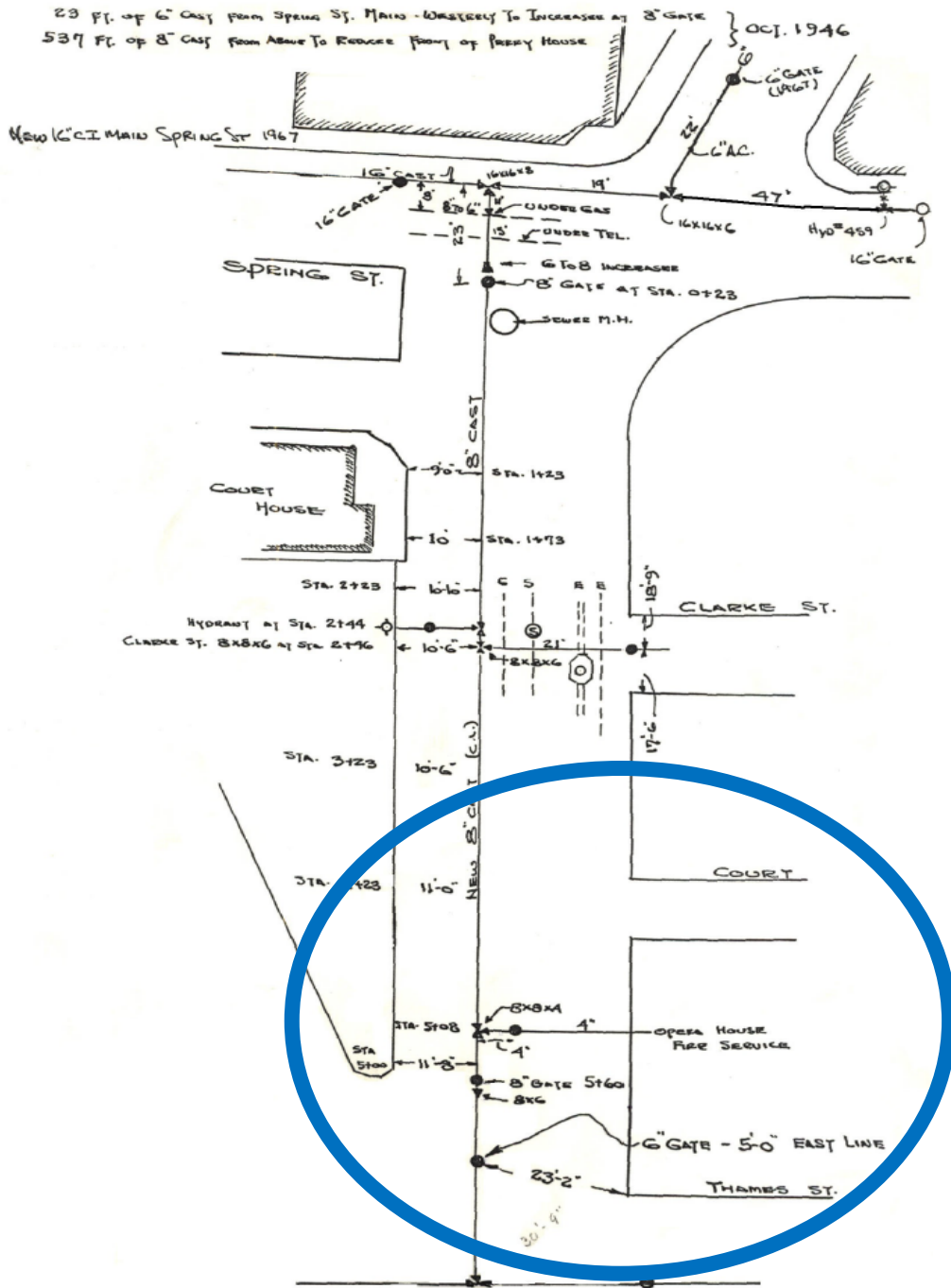
- **RELIABILITY**
- **RESILIENCY**
- **DIMINISHED CAPACITY**
- **WATER QUALITY**



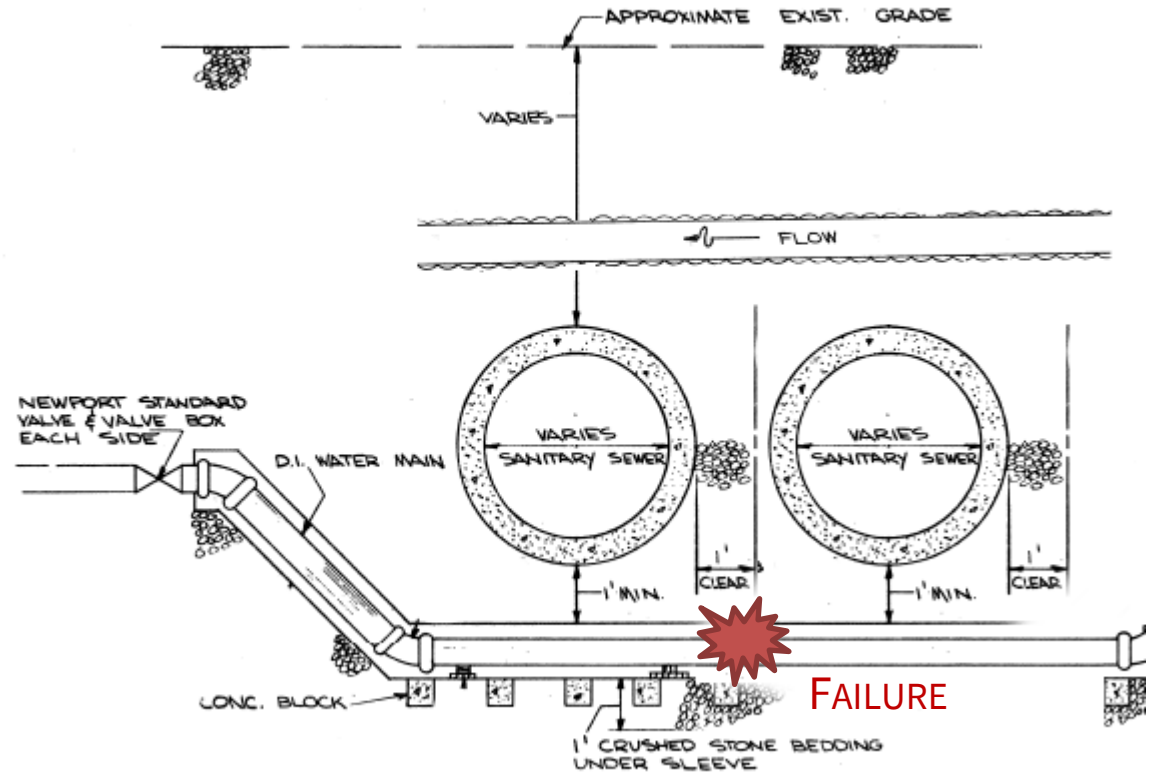


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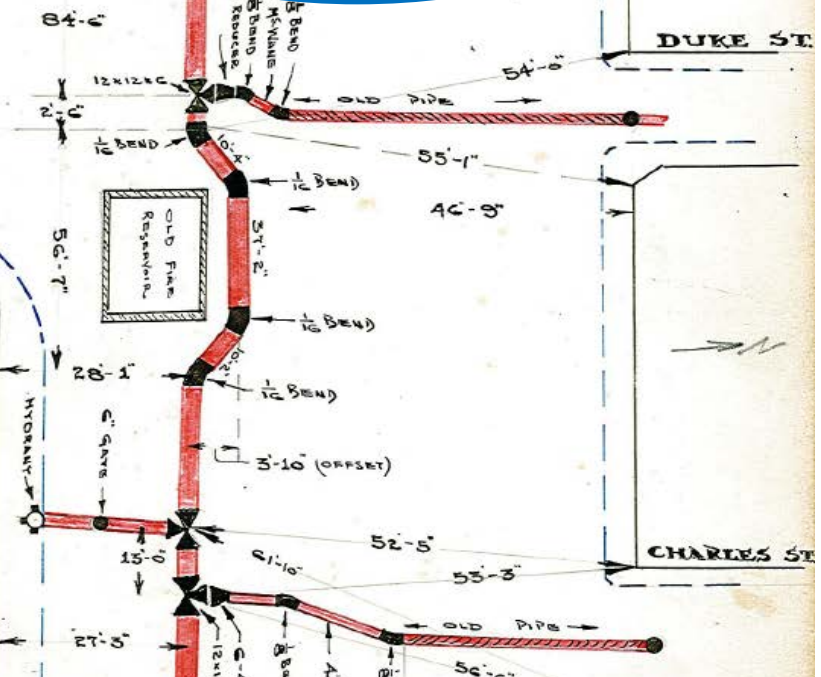
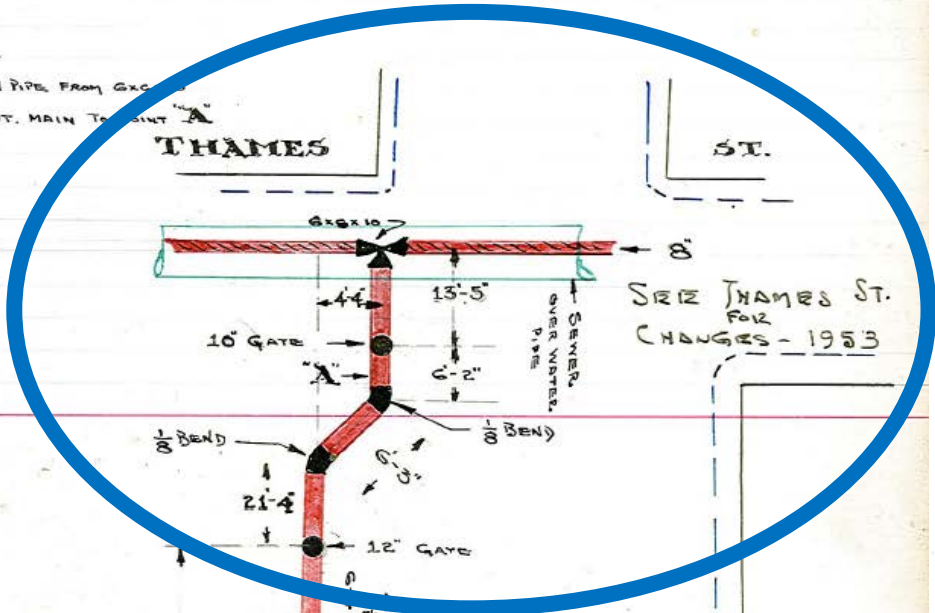


## 1946



# WASHINGTON SQ.

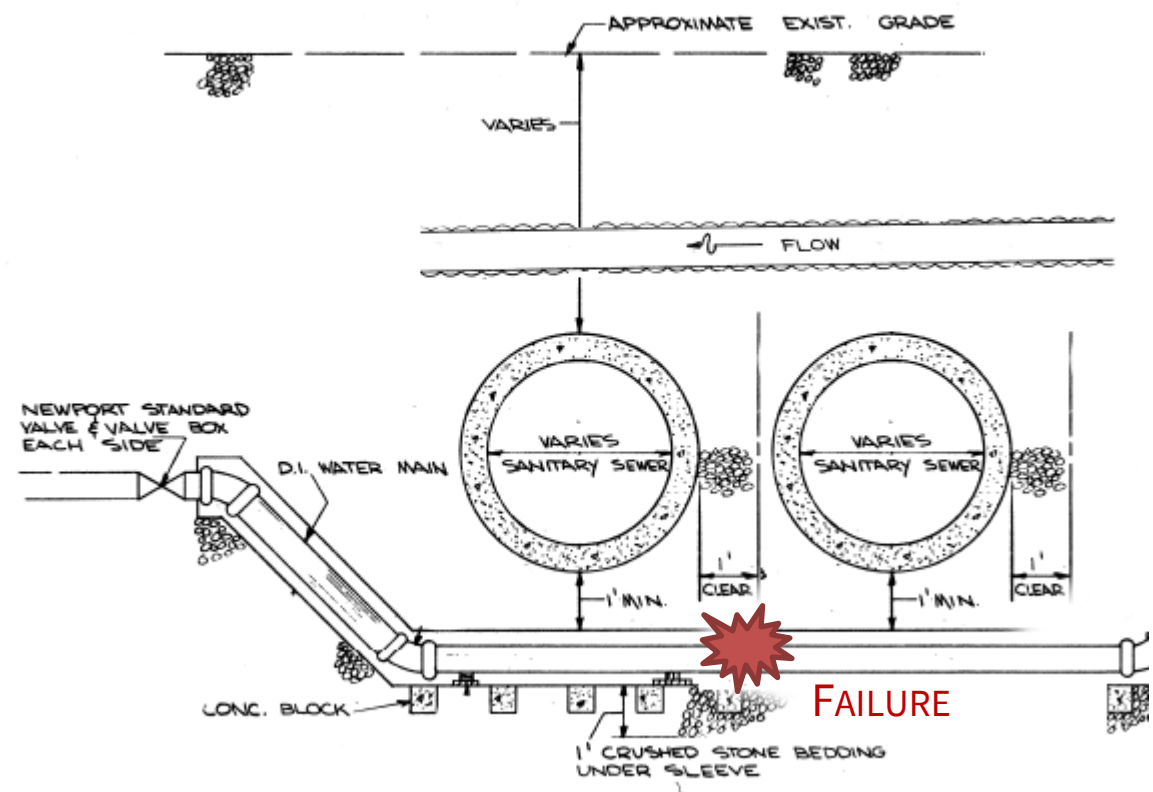
NOTE:-  
10" CAST IRON PIPE FROM G.W. ON THAMES ST. MAIN TO POINT A



# PROJECT OVERVIEW

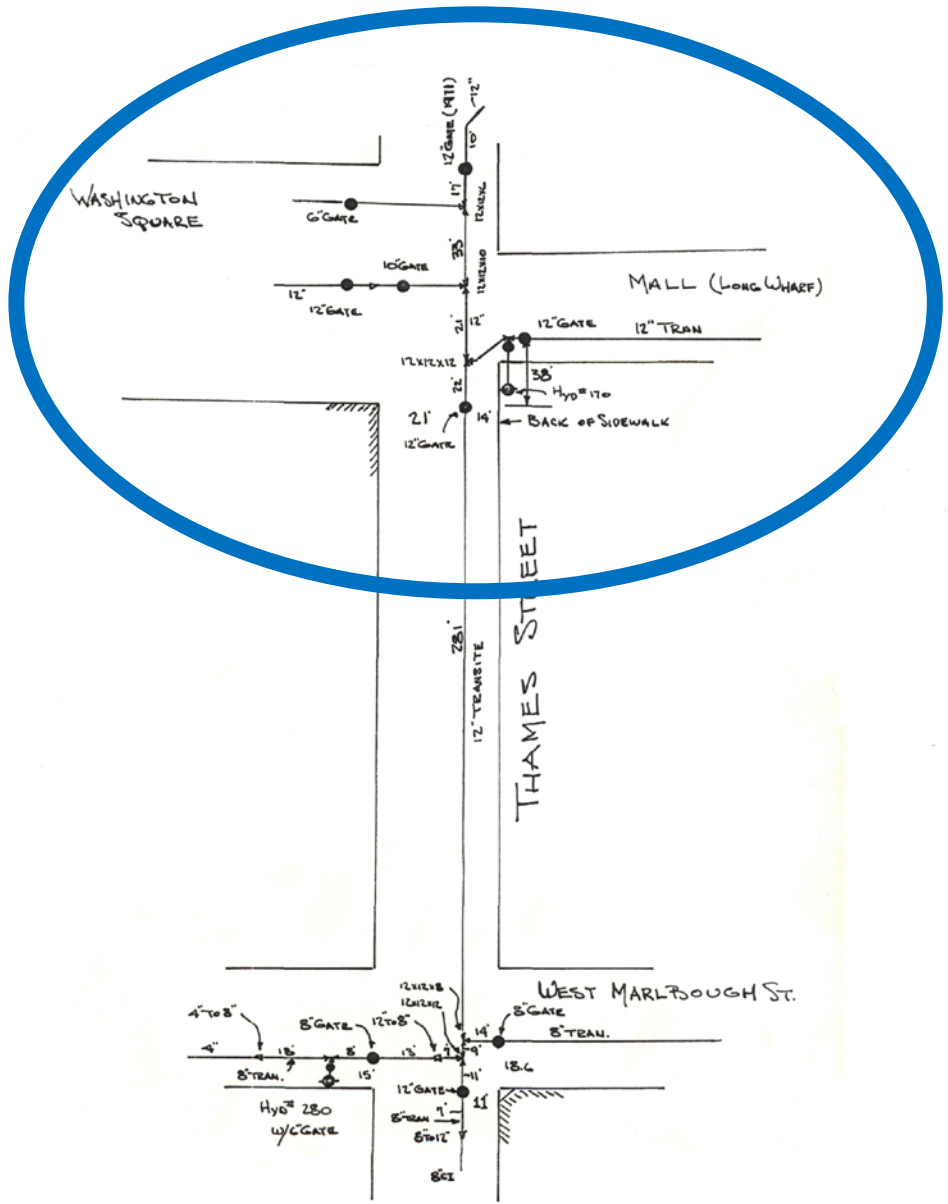
This project will replace the aging water infrastructure at Washington Square and Thames Street in Newport, Rhode Island. The existing water main has failed under the twin 54" concrete sewer and needs to be replaced to ensure the water system's reliability.

1946 1953



THAMES STREET, Npt.

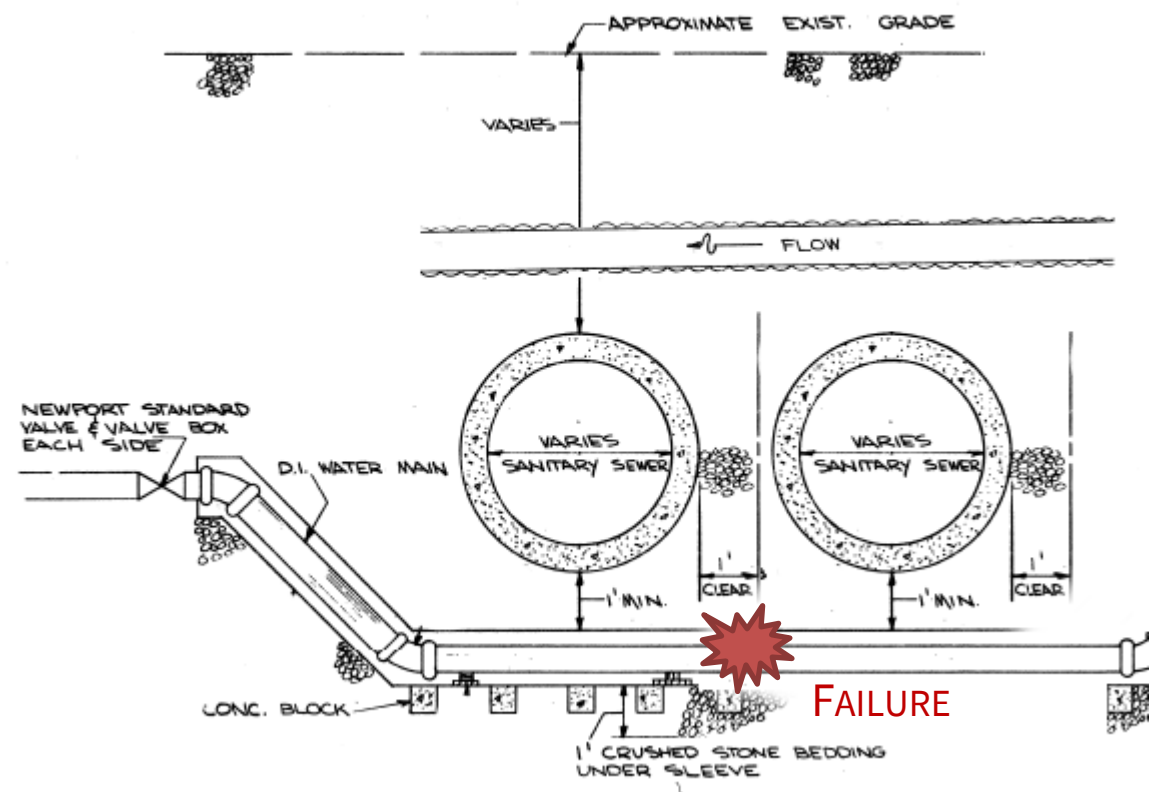
INSTALLED 330' of 12" TRANSITE From 12x12x12 BRANCH @ LONG WHARF MAU  
To 12" to 8" REDUCER @ MARLBOUGH ST MARCH 1970



# PROJECT OVERVIEW

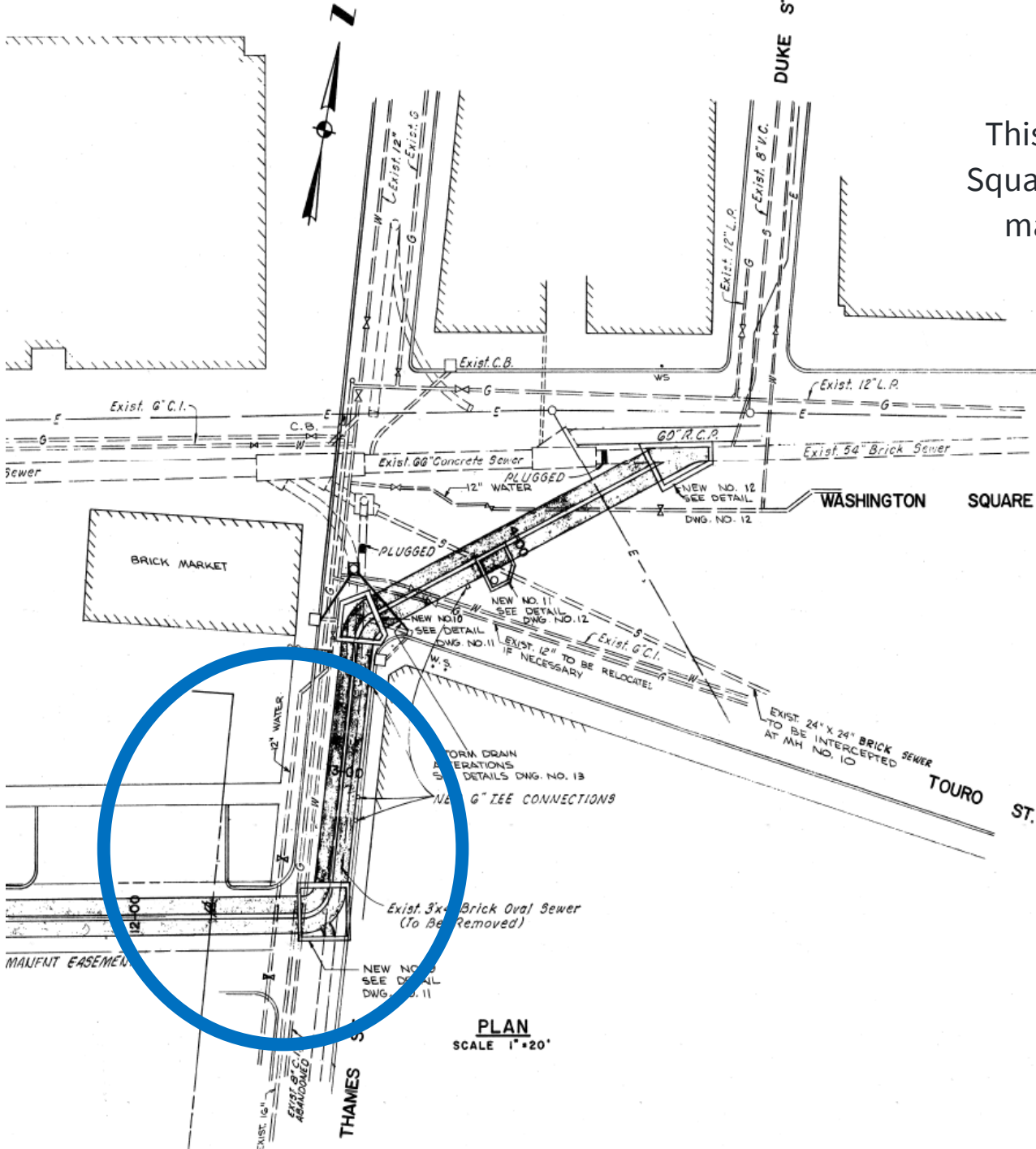
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1946 1953 1970

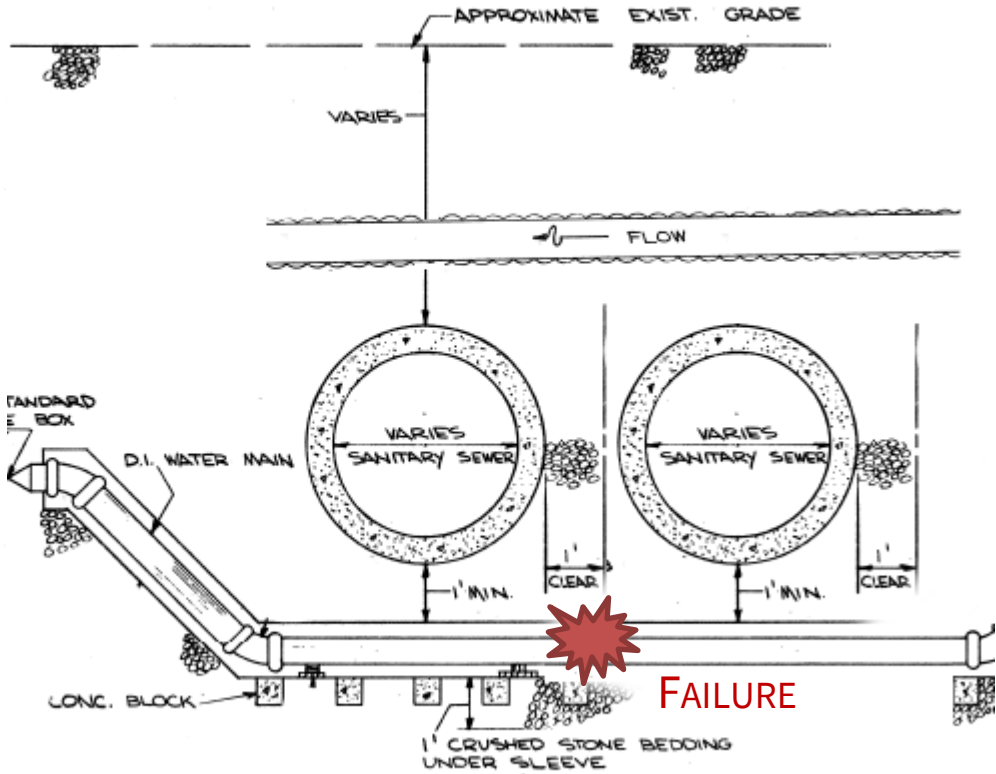


# PROJECT OVERVIEW

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1946 1953 1970 1975



# WATER MAIN INSTALLATION PROCESS

## WHAT YOU CAN EXPECT DURING CONSTRUCTION

### **A SAFE WORK SITE:**

We want you to be safe in the construction zone. Please keep children, pets, bikes, cars, and trucks away from the site, equipment, and workers.

### **RESPONSIVE SERVICE:**

A resident inspector will be on-site during work hours and may be able to assist you with construction concerns. For additional questions or concerns, call (401) 845-5600.

### **NOISE, VIBRATION AND DUST:**

Construction activities, even with mitigation efforts, can often result in noise, vibration, and dust, which can disrupt the normal activities of a neighborhood.

### **TRAFFIC DELAYS & PARKING RESTRICTIONS:**

The work will slow down traffic in your neighborhood. Please plan accordingly, read the traffic signs, and follow directions from the workers with flags. We want you to be safe, so you might not be able to park your car next to job sites, equipment, or materials. If crews work directly in front of your home or a business, you may need to park elsewhere. We do our best to keep driveways and parking lot entrances open.

### **WORK HOURS:**

- Day work is proposed for when traffic flow can be maintained; work hours are 7 a.m. to 5 p.m. to, Monday through Friday. When our crews have to work outside those hours (e.g., we will notify everyone in advance, and we have a 24-hour hotline you can call on Saturdays or Sundays), we will notify everyone in advance.
- Night work is proposed for periods of road closure; work hours are 7 p.m. to 7 a.m., Monday through Friday. When our crews have to work outside those hours (e.g., we will notify everyone in advance, and we have a 24-hour hotline you can call on Saturdays or Sundays), we will notify everyone in advance.

### **SCHEDULE CHANGES AND INACTIVITY:**

Our work schedules can change for various reasons, such as weather conditions, traffic, and issues with tools, machines, or the availability of supplies. Additionally, there may be instances where we need to pause due to unforeseen conditions or between different types of work and resume later.

# BEFORE CONSTRUCTION BEGINS

## **DIG SAFE (811):**

Calling DigSafe is required by law and helps avoid damaging utilities during construction. It is necessary to locate and mark their locations. Crews use different colors to paint markings on the street. They may also use small flags or wooden stakes with ribbons to indicate the presence of underground utilities.

## **EXISTING CONDITIONS PHOTOS:**

Before construction starts, site inspectors will thoroughly document the existing conditions of the work area using photos and videos. They will capture images of streets, curbs, sidewalks, driveway aprons, and other features of both public and private properties that may be affected by the construction. This documentation will be used as evidence to determine if any reported damages were pre-existing or happened during construction.

## **EROSION CONTROL:**

Erosion control is important to prevent soil, sediment, and cement dug up during construction from entering the sewer and stormwater drainage systems and the environment. Before construction begins and throughout the project, crews will install various measures to prevent soil, sediment, and cement erosion or contain sediment and debris on the work site.

## **CONSTRUCTION PREPARATION:**

Before installing water improvements on your street, crews will establish a safe work zone for construction. These activities include but are not limited to the following:

- Set up a staging area for equipment and materials, which may be stored on nearby streets overnight.
- Install temporary traffic control signs according to approved traffic control plans.
- Install temporary no-parking areas to create a safe work zone.
- Post signs or handout fliers to notify properties of upcoming construction.



**Pedestrian  
access**

## **BUSINESS ACCESS**

During construction at Washington Square and Thames Street, pedestrian access to all businesses in the area will be maintained. Barriers and signage will be used to guide pedestrians safely around the work zone.

## **ROAD CLOSURE AND DETOUR**

Close Thames Street at Marlborough Street and detour traffic up Marlborough Street and down Charles Street to Washington Square and Touro Street. Maintain one-lane traffic flow on Thames Street controlled by flaggers.

## **THAMES STREET CLOSURE**

Once we get to the work in Front of Brick Alley, Thames Street will be closed. Work Hours may be adjusted from 9 p.m. to 6 am.

## **SIDEWALK CLOSURE**

A portion of the sidewalk will be closed at Long Wharf Mall to install a temporary water bypass above ground

# Traffic Control Plan

ROAD  
CLOSED

DETOUR  
AHEAD







# Q&A

## **When will repairs begin?**

Weather Permitting, Repairs are scheduled to begin on Monday, March 18th

## **How long will it take?**

We estimate repairs will take 5 - 6 weeks to complete.

## **Can the work be done later?**

Work was already delayed from the fall to spring. Further delay increases the impact on water quality and overall system resilience.

## **Will water be shut off during repairs?**

Yes, water will be temporarily shut off at times during construction. A minimum of 48 hours' notice is provided unless it is an emergency.

## **What should I do to prepare?**

Residents in the impacted areas should sign up for Rave Alert and review the traffic control plan provided.