

CITY OF SOUTHFIELD

OAKLAND COUNTY, MICHIGAN

PLAN OF PROPOSED 2019 INFRASTRUCTURE PROGRAM SECTION 24 AREA 4

WATER MAINS, SANITARY SEWER AND ROAD REPLACEMENT

CITY OF SOUTHFIELD PROJECT NUMBER: 1712SFLD

CITY OF SOUTHFIELD

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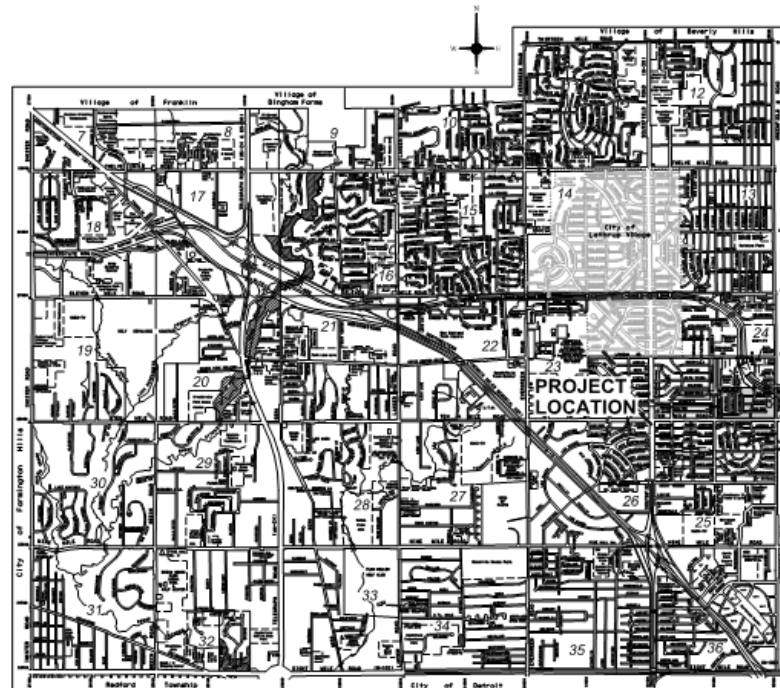
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City Treasurer

FREDERICK E. ZORN
City Administrator

LEIGH SCHULTZ, P.E.
City Engineer



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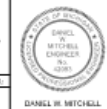
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03-14-2019 ISSUED FOR BIDS

SHEET No.
C-1



CITY OF SOUTHFIELD PROJECT NUMBER:
1712SFLD



DANIEL W. MITCHELL



NATHANIEL G. SLICKER



CALL AREA 800
777 HOURS
OR WORKING HOURS
BEFORE YOU CALL
1-800-482-7171
OR 248-444-0000
(TOLL FREE)

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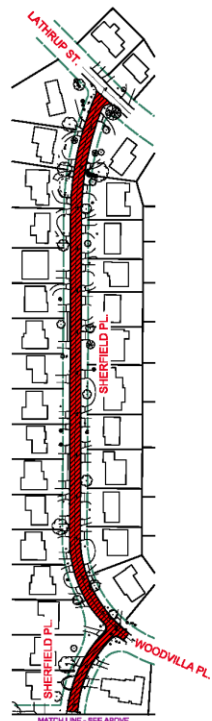
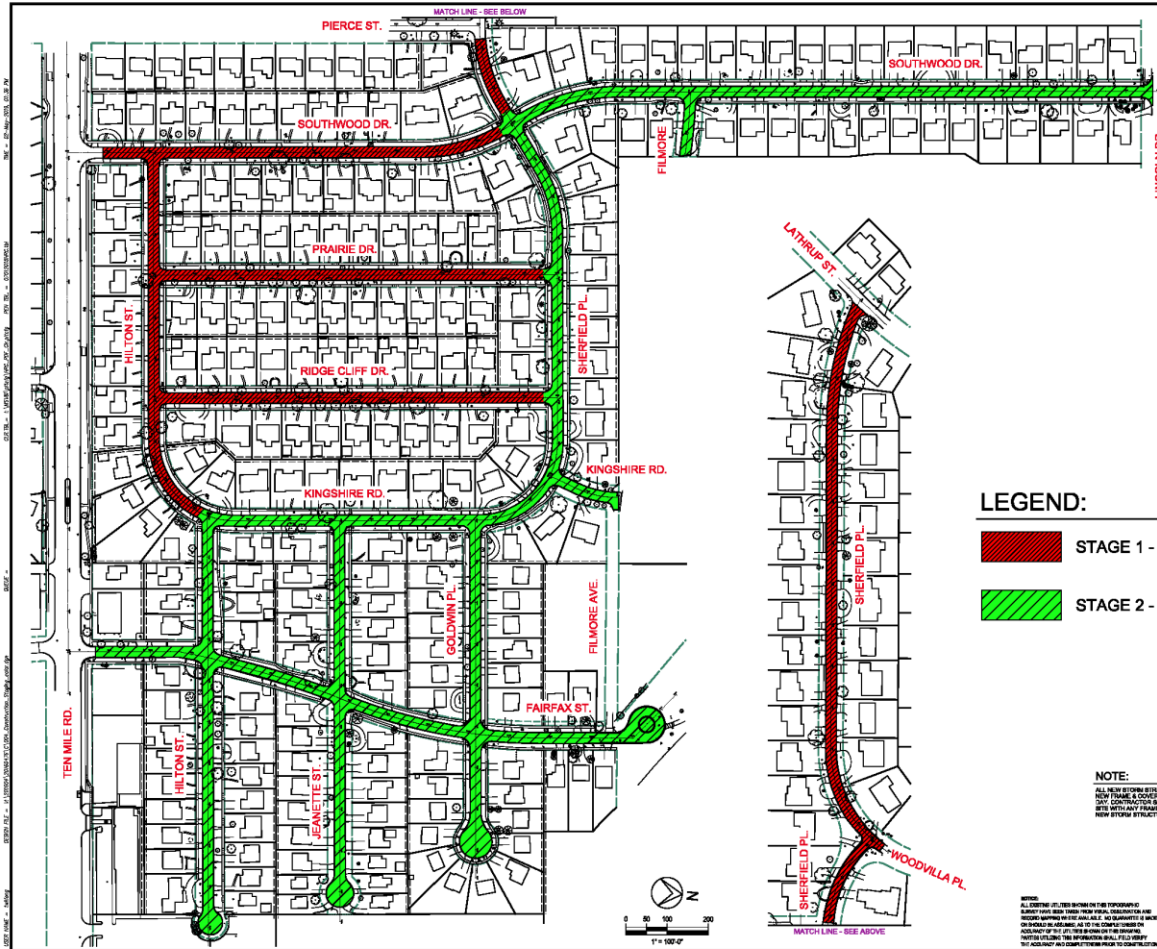
Project Highlights

- Roads will be completely reconstructed in concrete, with new approaches for each home.
- Water mains will be replaced throughout the project.
- Combined sewers will be separated and sanitary flow will be directed to the new pump station at 10 Mile and Pierce.
- Storm leads will be left for each home to connect sump pump lines.

Project Highlights Cont.

- Sidewalk ramps will be upgraded to meet the Americans with Disabilities Act guidelines.
- Project will be constructed in stages to reduce the impact on residents. Entire Project will take 2 years to complete.
- Mid-May construction start to October 2020
- \$13M investment funded by the Water and Sewer Capital Improvements Bond.

Construction Staging Plan



- LEGEND:**
- STAGE 1 - 2019
 - STAGE 2 - 2020

NOTE:
 ALL NEW STORM STRUCTURES SHALL HAVE NEW FINISH & COVERS INSTALLED THE SAME DAY. CONTRACTOR SHALL NOT LEAVE THE SITE WITHOUT FINISH & COVERS OFF ANY NEW STORM STRUCTURES.

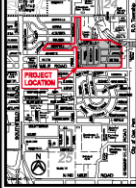


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DATE	BY	REVISION



CITY OF SOUTHFIELD
SECTION 24 AREA 4
WATER MAINS,
SANITARY SEWER
AND ROAD
REPLACEMENT

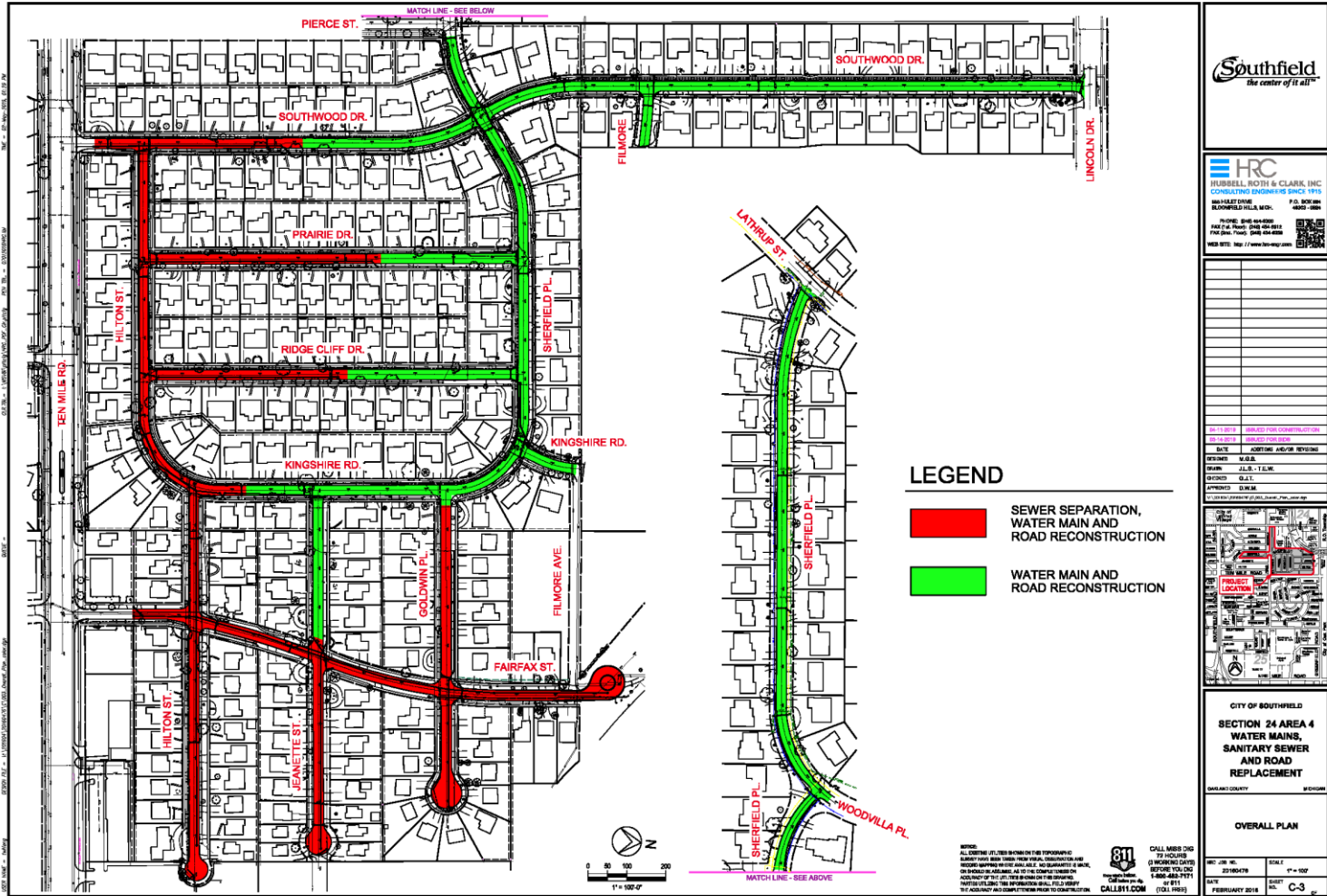
CONSTRUCTION
STAGING PLAN

REC. NO. 21180478
 SHEET NO. C-4
 DATE: FEBRUARY 2018

SCALE: 1" = 100'

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Overall Project Scope



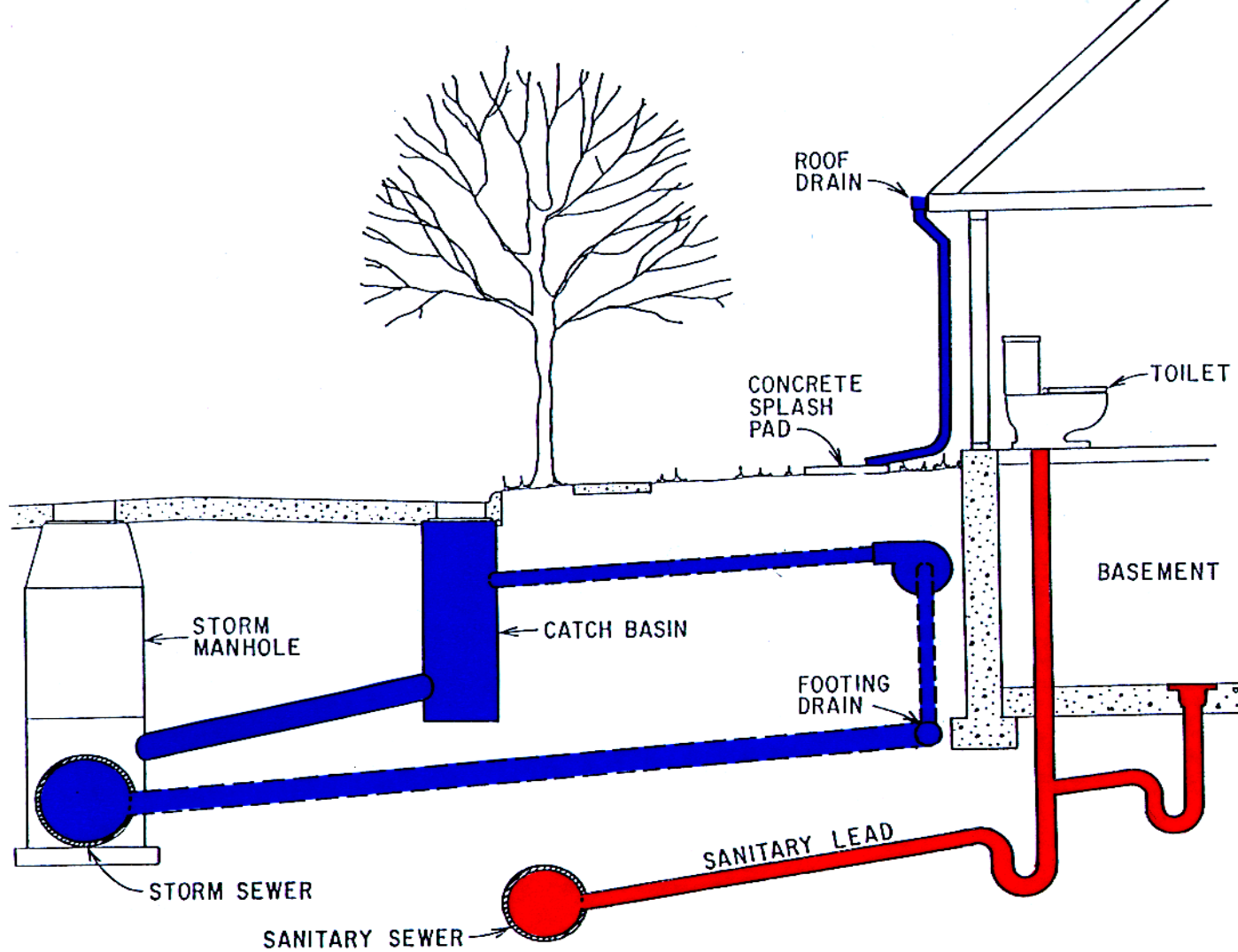
Southfield
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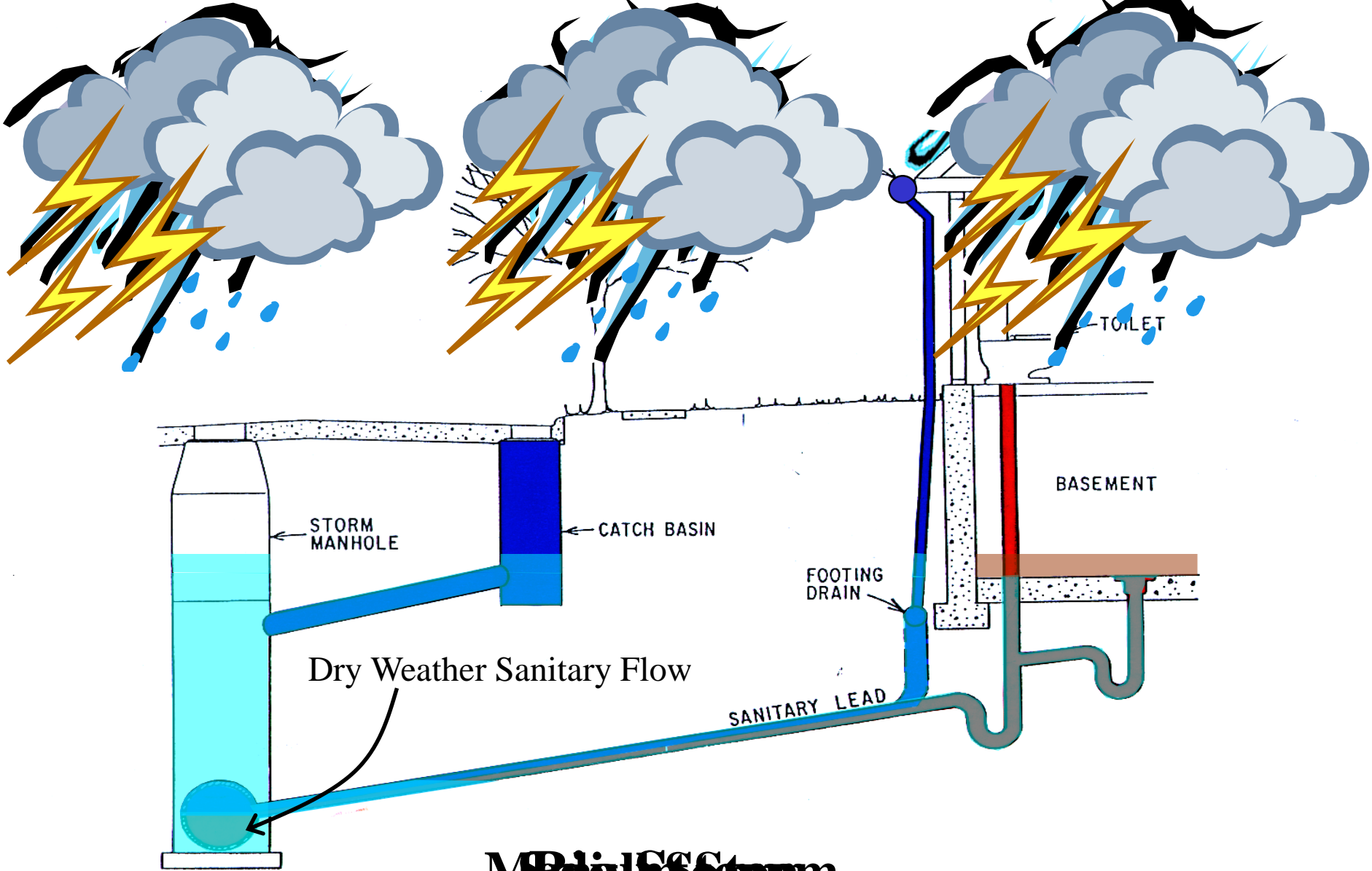
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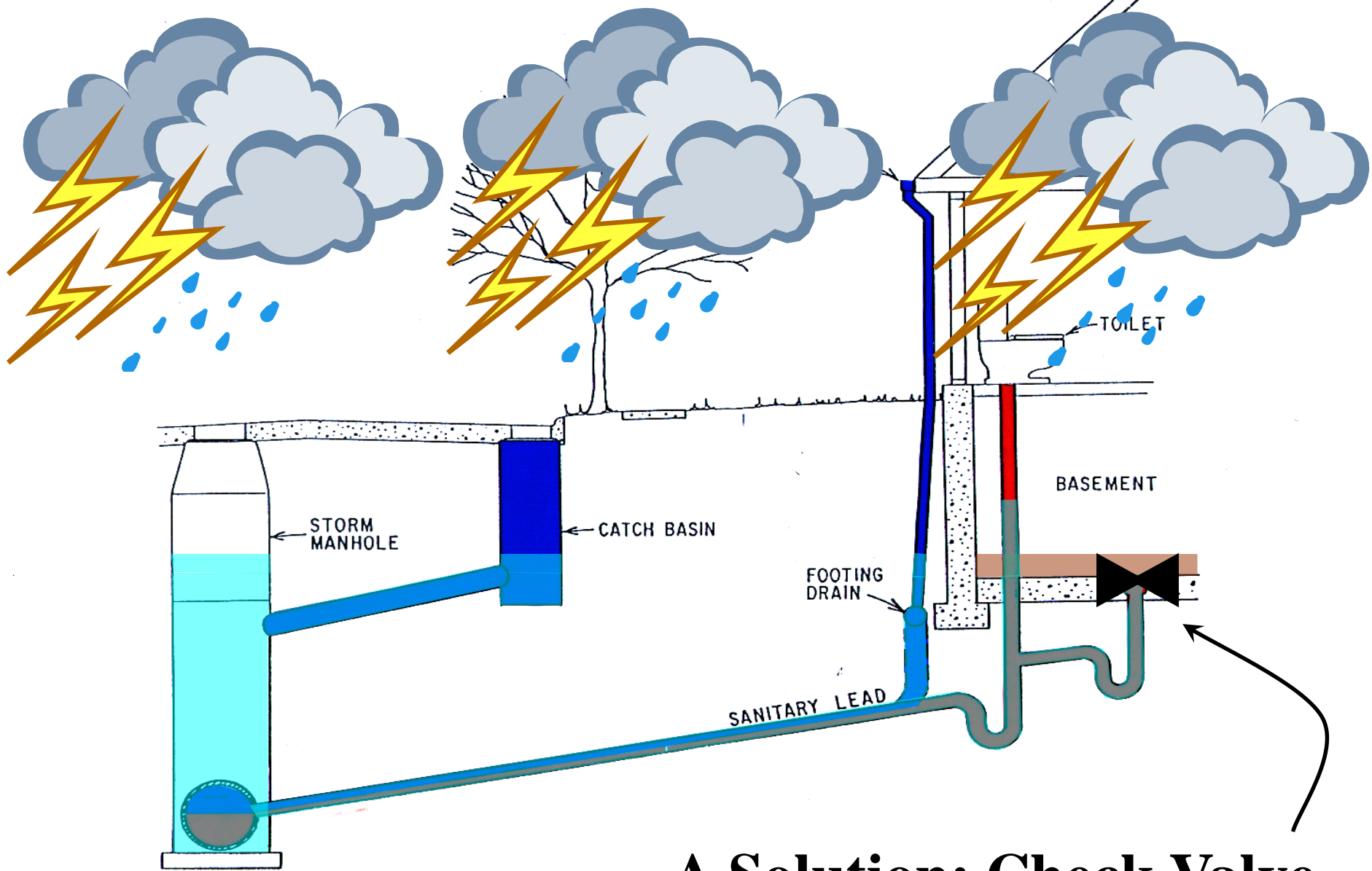
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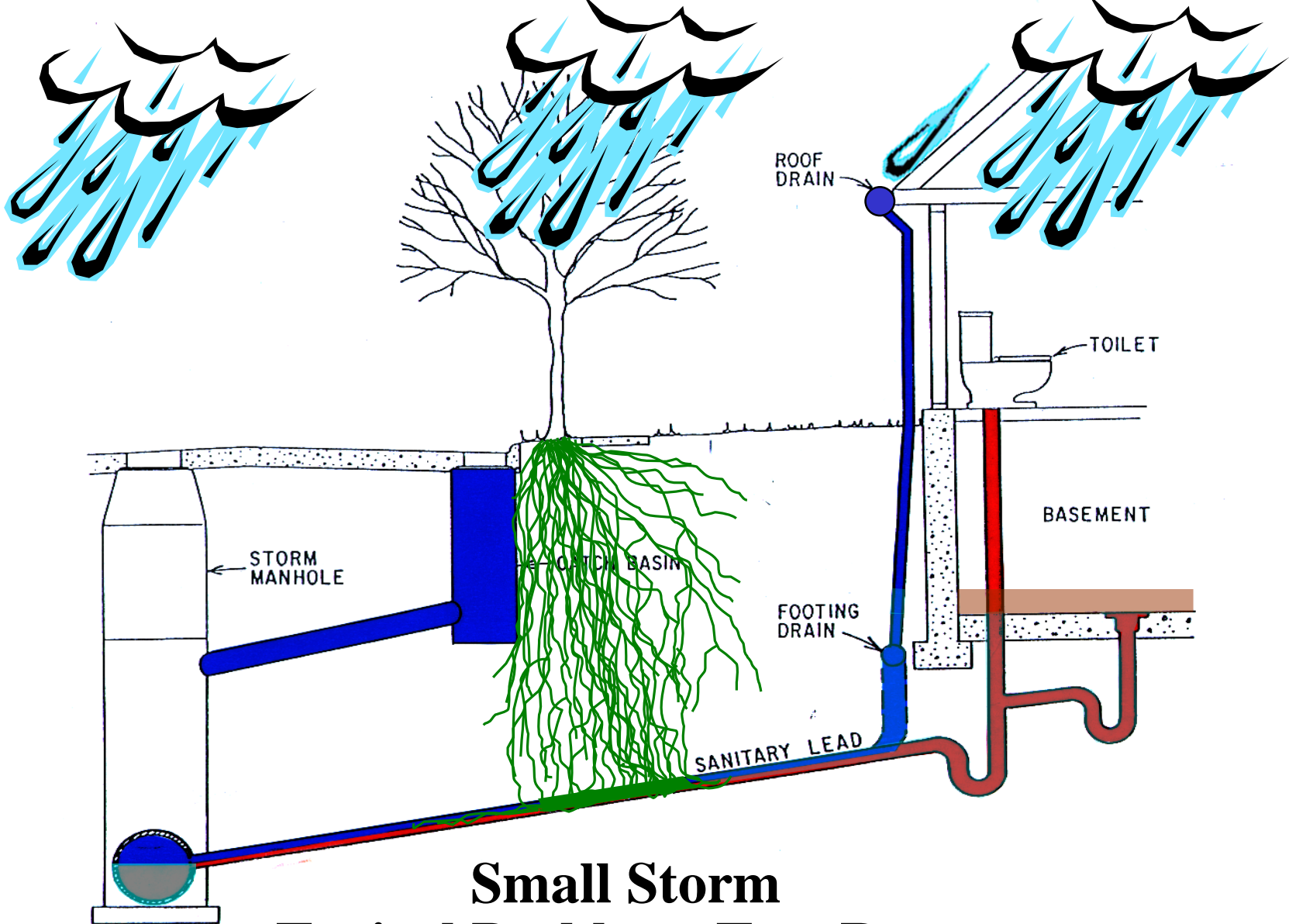
SEPARATE SEWER SYSTEM



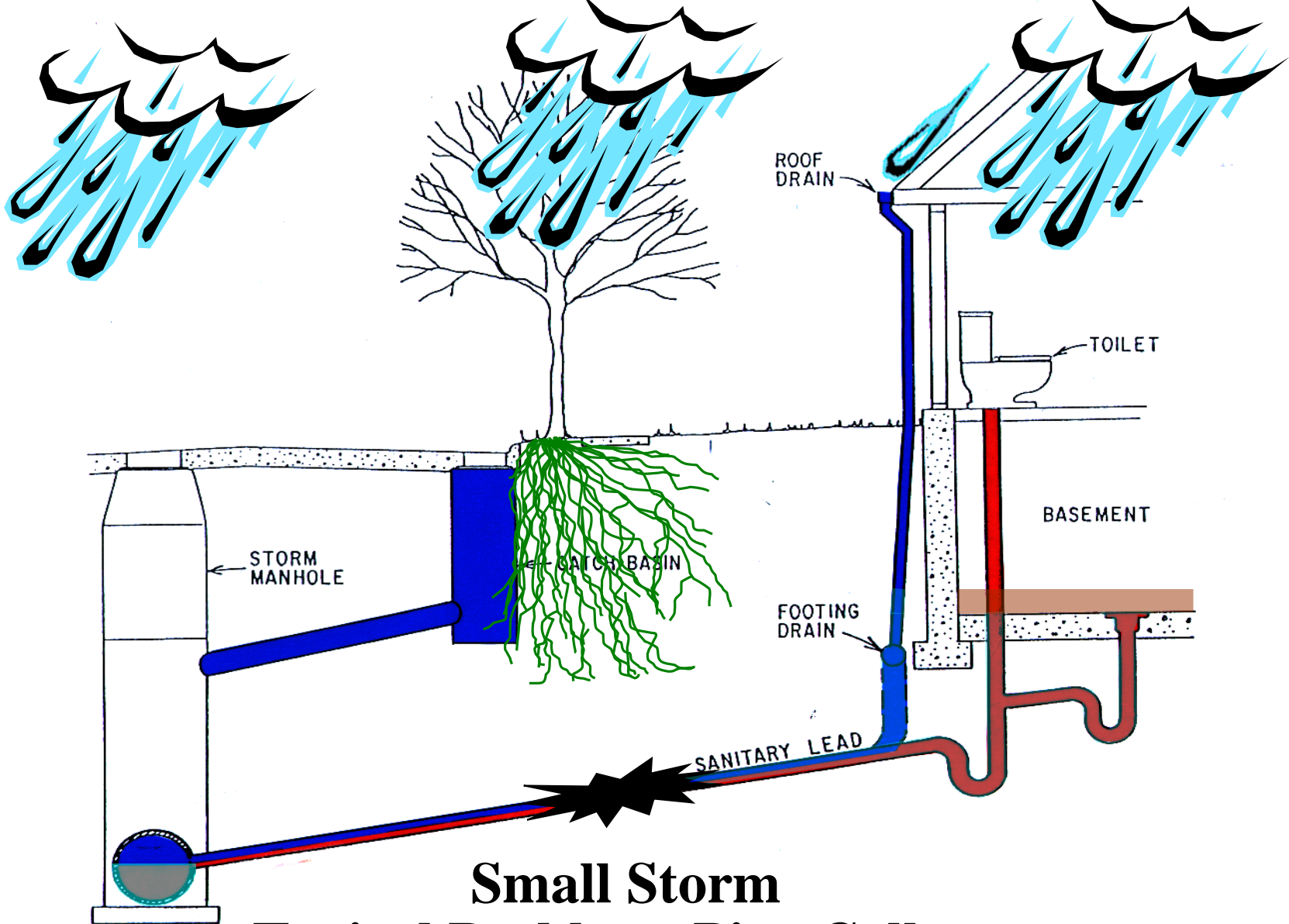
Big Storm
Combined Sewer System



A Solution: Check Valve

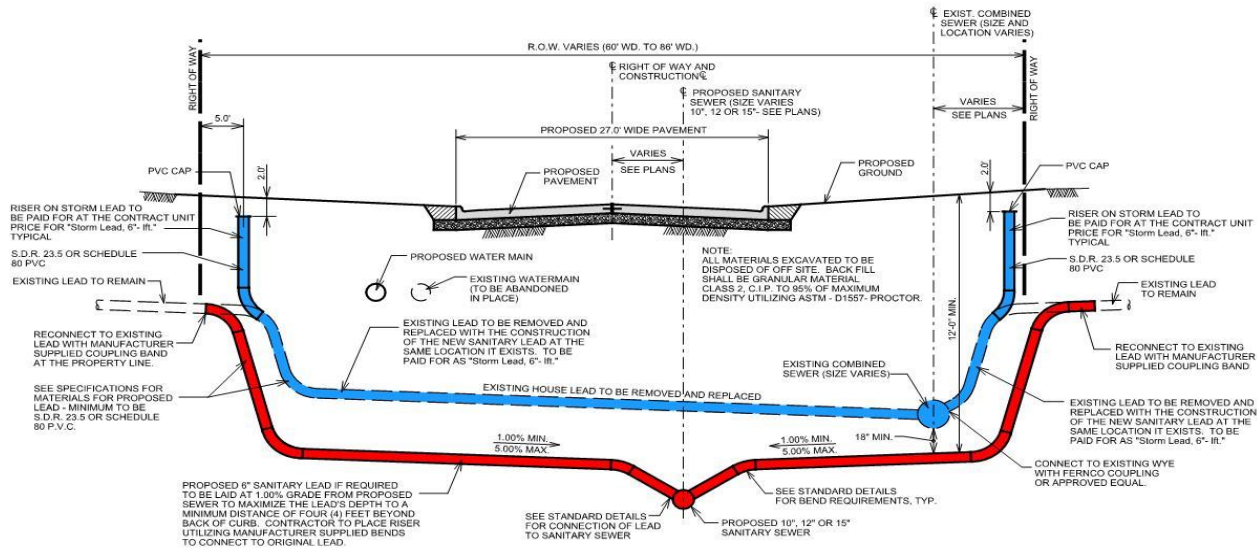


**Small Storm
Typical Problem: Tree Roots
Combined Sewer System**



**Small Storm
Typical Problem: Pipe Collapse
Combined Sewer System**

Sewer Separation



TYPICAL SANITARY BUILDING LEAD RECONNECTION DETAIL

NO SCALE

What to Expect

- Water service disruptions
- Driveway closures
- Access during construction
- Mail delivery
- Trash pickup
- School buses
- Landscaping in the right of way

Project Contacts

Project Engineer

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City of Southfield

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