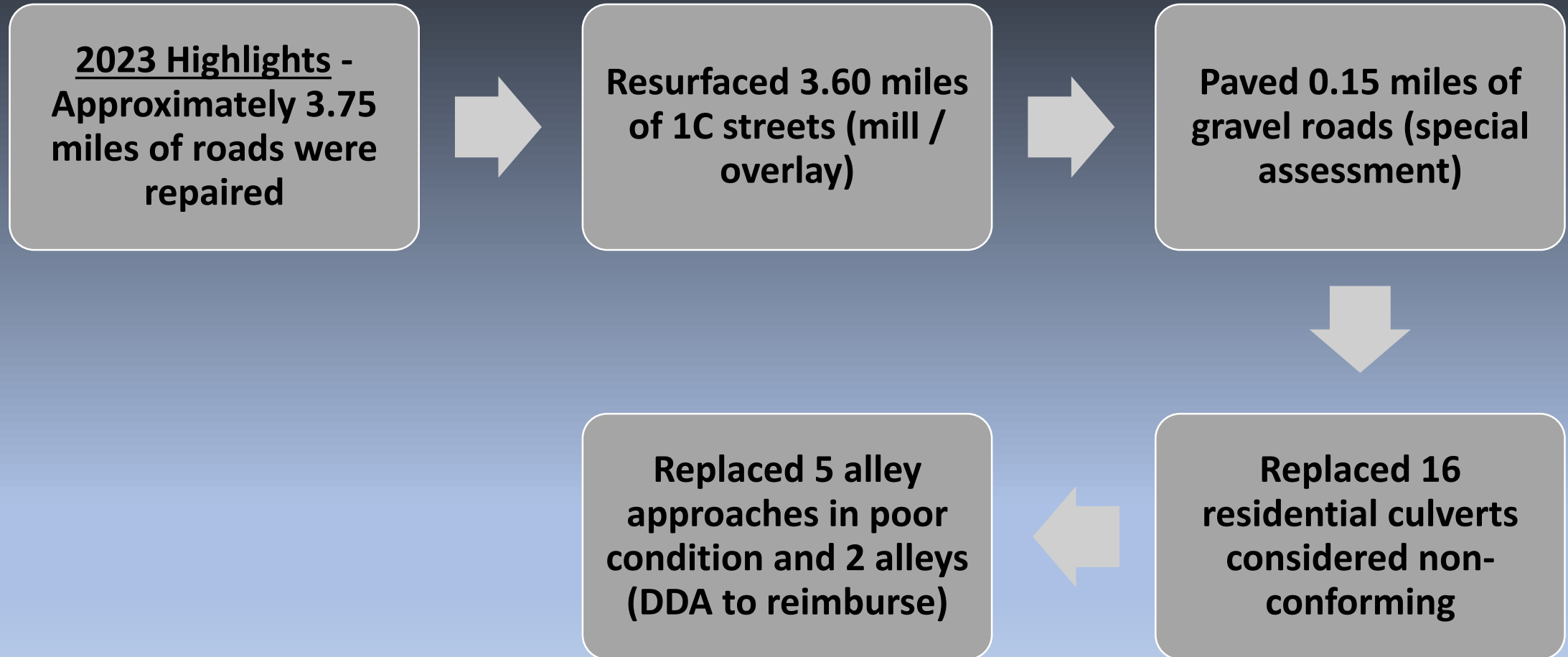




# ROAD / CIP BOND ISSUE UPDATE

12/12/2023

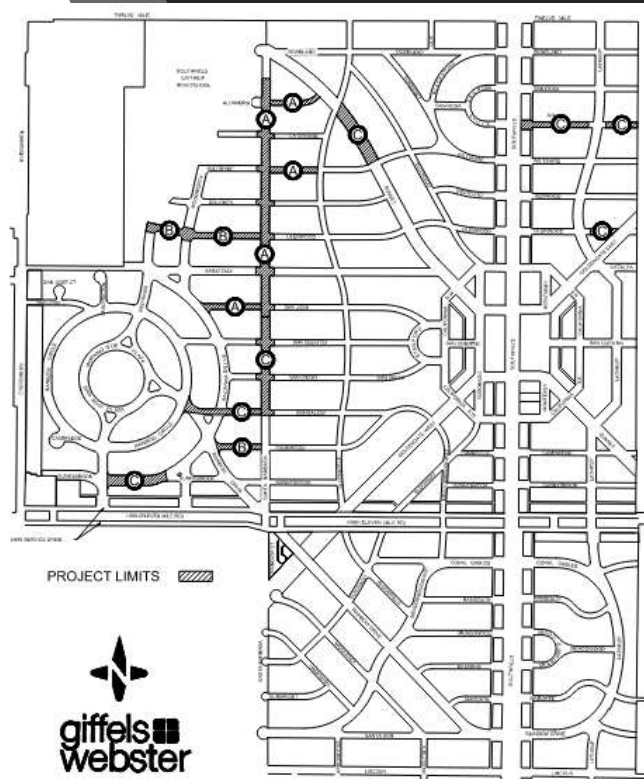
# 2023 ROAD REPAIR BOND ISSUE



## 2021-2023 Road Projects

- 8.34 Mile of roads were repaired (7.10 miles were originally budgeted).
  - 2.88 miles of 1A road reconstruction.
  - 1.02 miles of 1B road reconstruction.
  - 4.24 miles of 1C road rehabilitated.
  - 0.20 miles of gravel roads were paved.

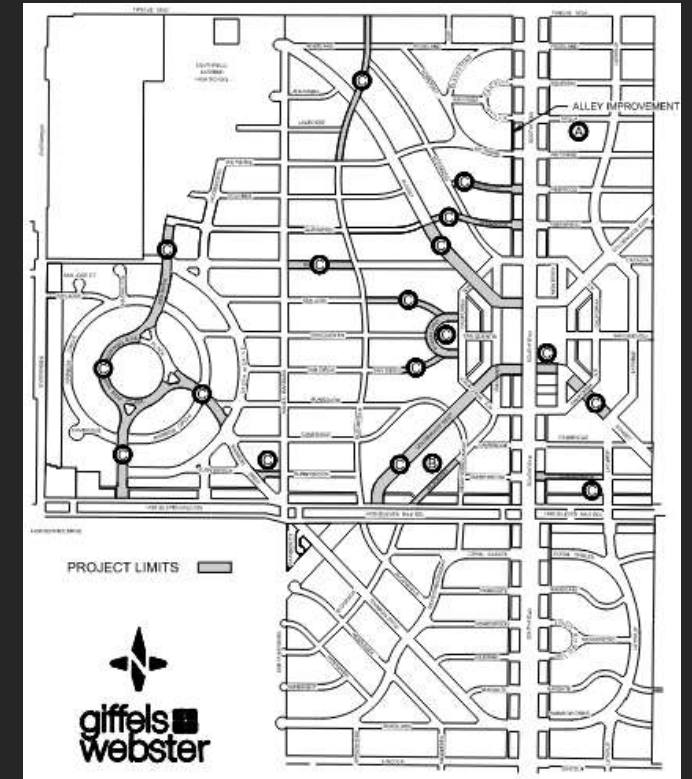
### 2021 PAVING PROJECT

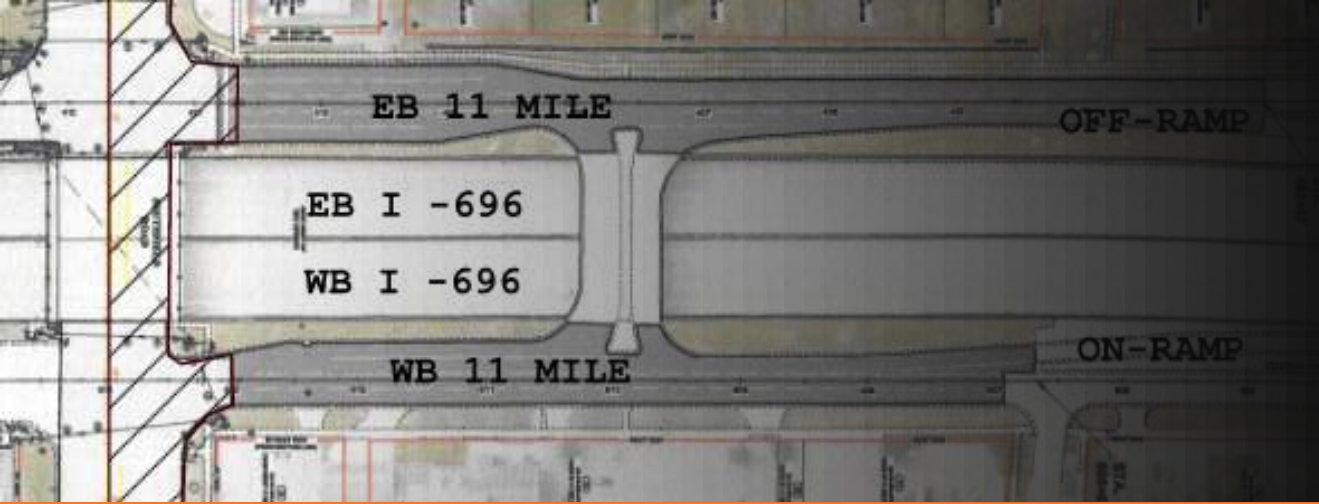


### 2022 PAVING PROJECT



### 2023 PAVING PROJECT





### 2021 – 2023 Paving Bond Issue Summary:

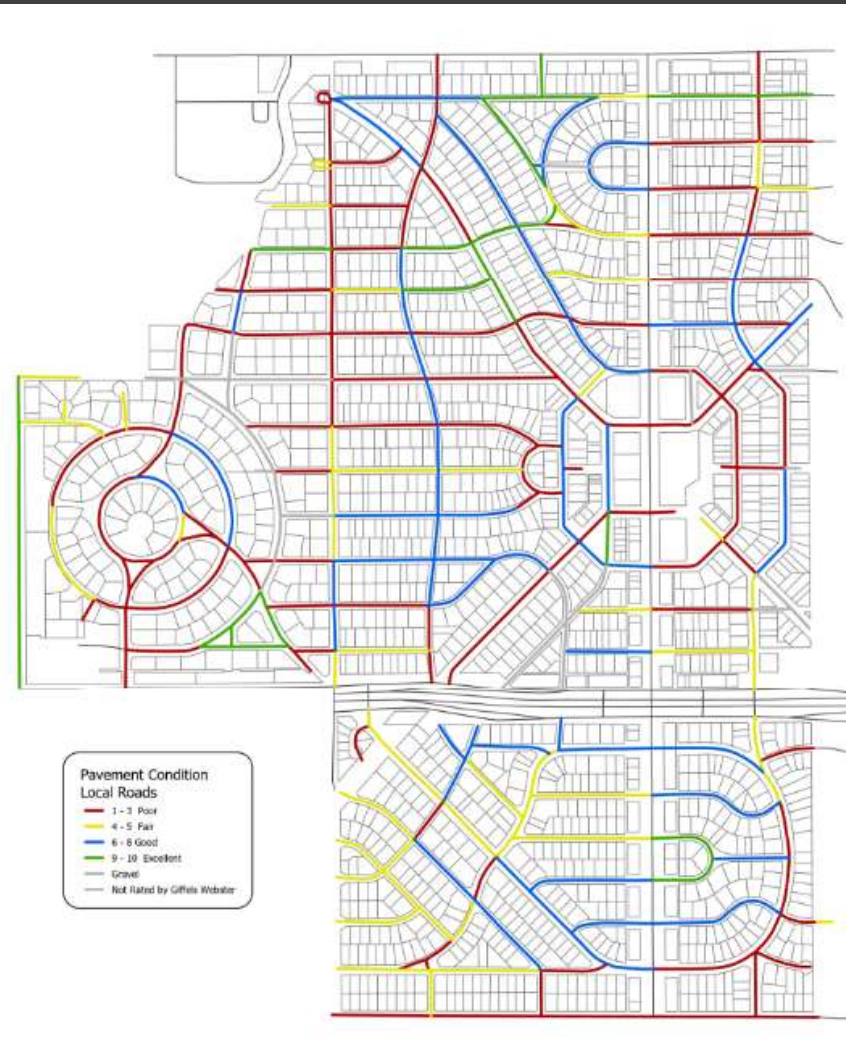
Final cost is approximately \$6.1M (\$6.07M was budgeted).

### 2024 Road Projects

- The City will be resurfacing EB and WB 11 Mile from the west side of Southfield road to the on-ramp for WB 11 Mile and off-ramp for EB 11 Mile. This work is proposed to be completed during the closure of EB and WB 11 Mile.

# ROADWAY CONDITION PASER RATINGS (2019 TO 2023)

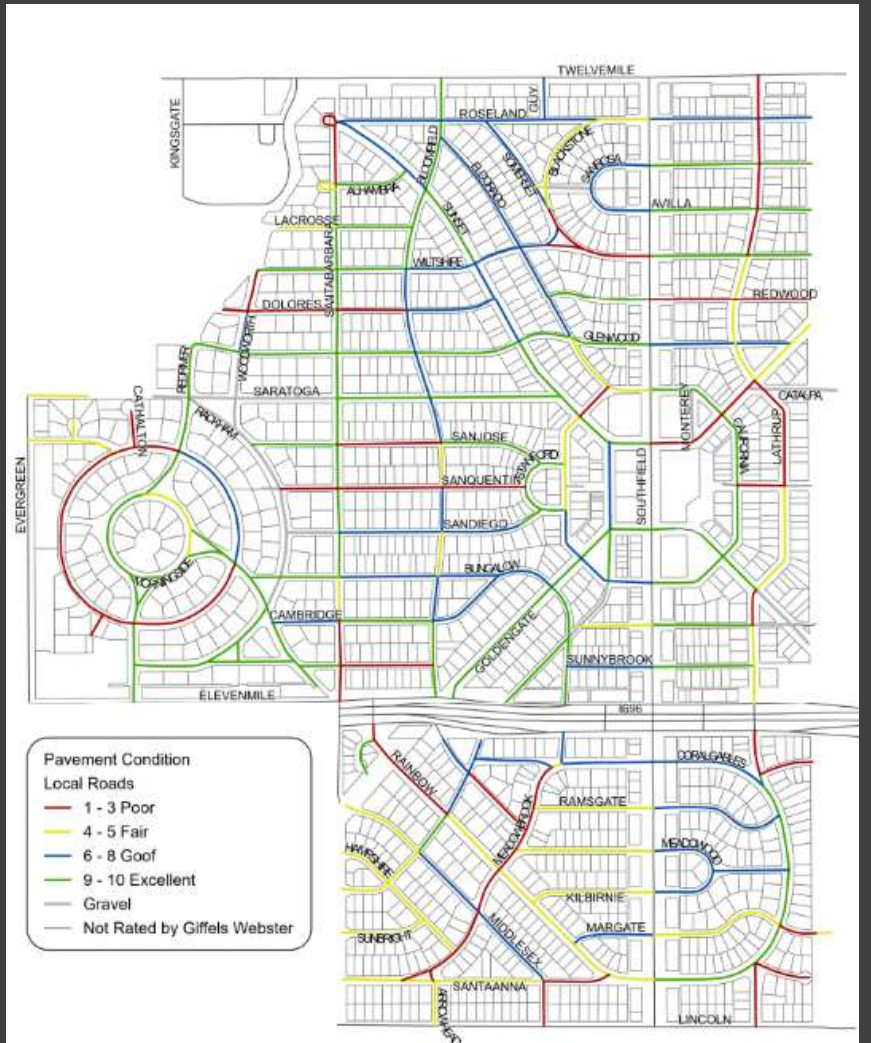
## 2019 ROADWAY RATING (PASER)



Rating	2017	2019	2021	2023
Poor	10.59	11.14	8.67	6.32
Fair	5.36	4.99	4.93	4.41
Good	6.97	6.74	8.45	6.21
Excellent	2.50	2.55	3.79	8.90
Total	25.42	25.42	25.84	25.84

(Total road length in miles)

## 2023 ROADWAY RATING (PASER)



# CIP BOND ISSUE

## 2021-2023 Water Main Replacement

- ❑ Approximately 7,900 lft (1.5 miles) of water mains were replaced
  - San Rosa (Southfield Road to Lathrup Blvd)
  - Wiltshire (Southfield Road to Lathrup Blvd)
  - Goldengate West (11 Mile to Sunset)
  - Bloomfield (LaCrosse to Sunset)
  - Glenwood (Santa Barbara to Sunset)
  - San Diego (Rackham to Stanford Ct)
  - Lincoln (east side of Southfield Rd to the west side)
  
- ✓ Final cost is approximately \$2.097M (\$2.043M was budgeted)

## 2024 Water Mains – Four water main segments are scheduled for replacement

- Roseland (Lathrup Blvd to the east dead end)
- Avilla (Lathrup Blvd to the east dead end)
- Redwood (Lathrup Blvd to the east dead end)
- Catalpa (Lathrup Blvd to the east dead end)



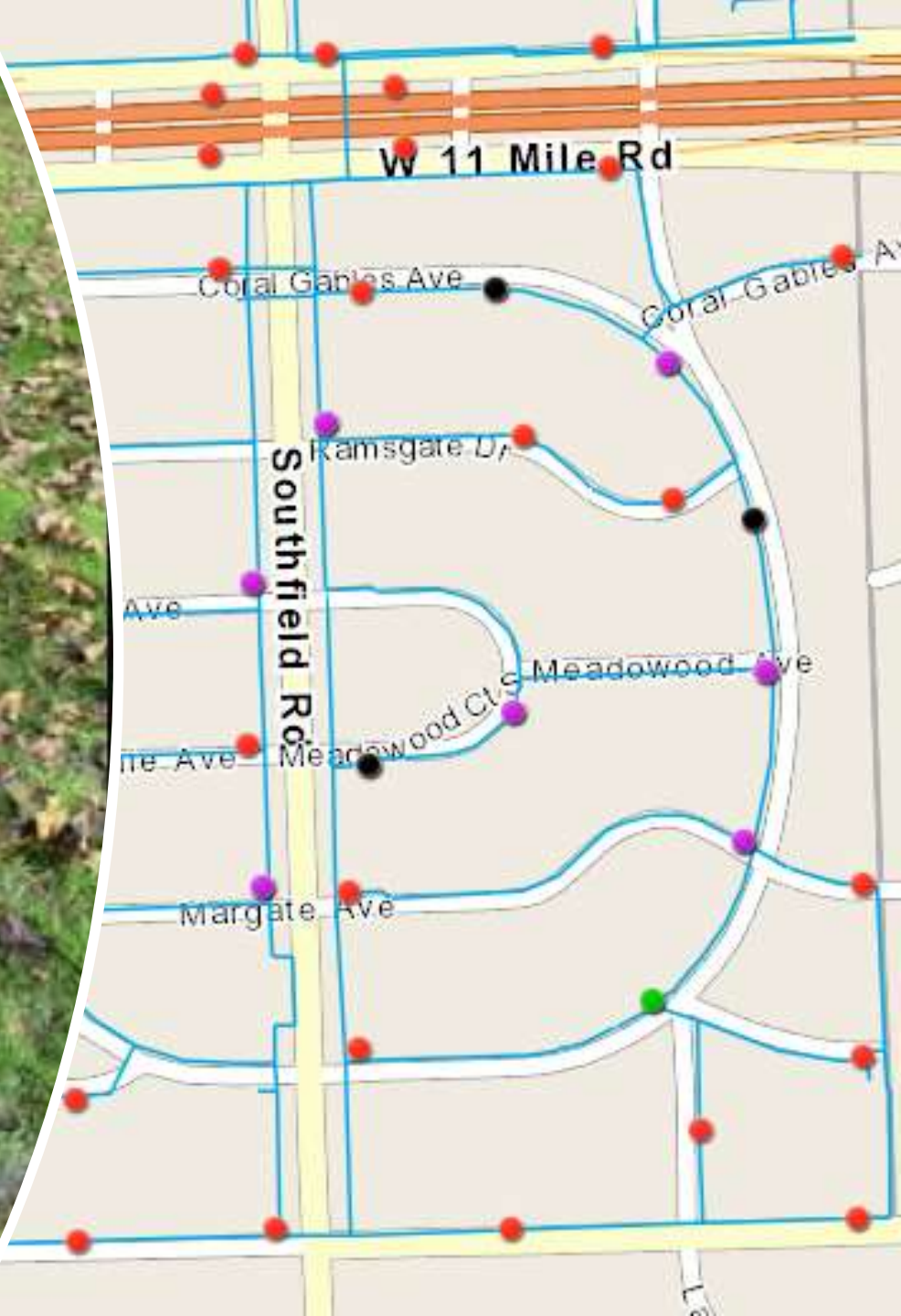
FIRE HYDRANT REPAIR AND REPLACEMENT

2021 - 2023 Summary:

- 71 Hydrants were replaced
- 18 Gap hydrants were installed
- 2 hydrants were refurbished
- Current expenditures through 11/23 = \$421,000

2024 Work:

- Replace / Install remaining +/- 29 hydrants



## GATE VALVE REPAIR AND REPLACEMENT

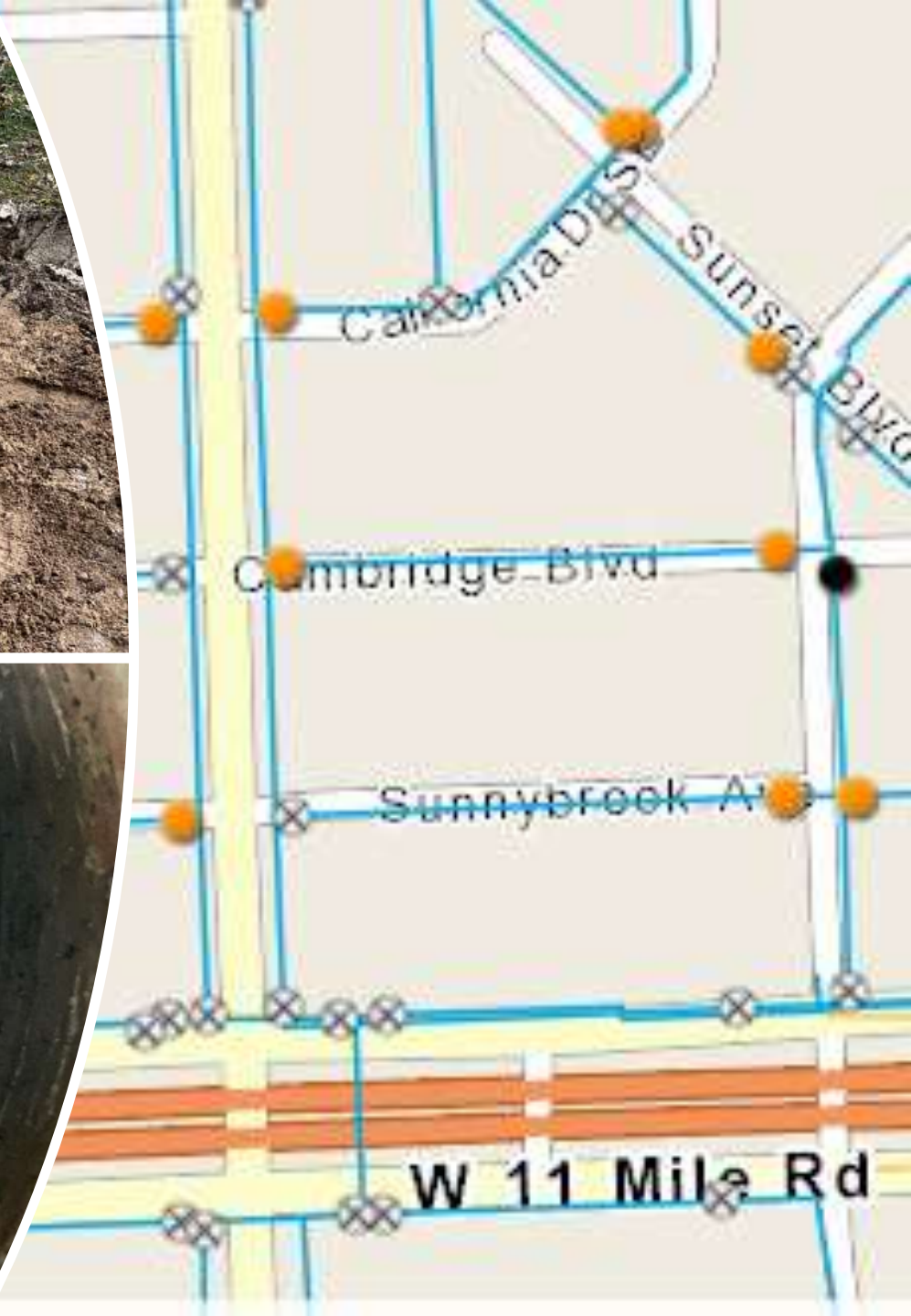
### 2021 – 2023 Summary:

- 83 Valves have been refurbished to date
- 10 New valves have been installed
- Most valves to date have only required refurbishment at a much cheaper cost

✓ Current expenditures through 11/23 = \$166,000

### 2024 Work:

- Refurb / Replace remaining +/- 80 gate valves







## WATER SERVICE DISTRIBUTION SYSTEM INVENTORY

### 2021 – 2023 Summary

- EGLE Grant - The City is required to identify the water service materials (copper, lead, galvanized, etc) for 315 randomly generated users. Both interior (at the meter) and exterior (at the stop box) are required.
- Contractor completed all 315 exterior excavations, only 3 have been identified as lead or galvanized.
- Only +/- 100 interior material verifications have been completed.

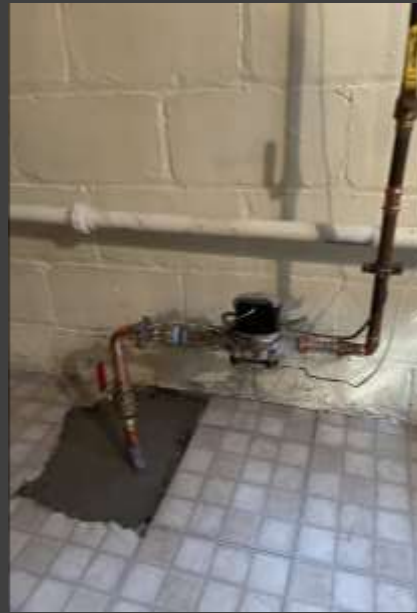
### 2024 EGLE grant remaining work

- The remaining +/- 215 interior inspection must be completed by 12/2024.

### EGLE Lead and Copper Requirement

- The City has until 12/31/2024 to complete the +/- 1,200 interior inspection of all water users with unknown water service materials.





## LEAD AND GALVANIZED WATER SERVICE ABATEMENT

- The City MUST abate 5% of known lead or galvanized water services per year for the next 20 years.
- The City has been relying on residents to “self-test” their water service with very limited success.
- Approximately 25% of residents / businesses have self-tested or have known copper services.
- Still have about 1,200 unconfirmed service materials.

### 2021 - 2023 Summary:

- To date, 24 known lead or galvanized services have been abated.
- Total cost of the 24 abatements = \$158,500



Upstream MH No: AMH '27-56'  
Downstream MH No: AMH '26-56'  
Direction: D  
Pipe segment ref.: Sewer Main '27-56 - 26-56'

11/18/2020  
2:37:45 PM



Upstream MH No: AMH 1-50  
Downstream MH No: AMH 2-50

21



Upstream MH No: AMH '64-56'  
Downstream MH No: AMH '1-54'  
Direction: D  
Pipe segment ref.: Sewer Main '64-56 - 1-54'

12/4/2020  
11:23:22 AM

9/13/2022  
2:56:11 PM  
12 MILE EASEMENT

## SANITARY SEWER

### 2021 – 2023 Summary:

- 32,000 lineal feet (6.1 miles) of sewers were cleaned, televised, and assessed.
- 10,881 lft of various size sewers were lined with cured-in-place-pipe.
  - Sewer service to 142 residents / businesses were reinstated.
  - Total cost for the 2022 Sewer lining = \$650,882.
  - Eight (8) new manholes were installed at dead end sewer locations (no upper end manhole existing).
  - Total cost of the manhole installations was \$68,200.

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- SANITARY SEWER RETENTION TANK

- The retention tank upgrade work started in June of 2023 and is scheduled to be completed in the summer of 2024.
- New pumps and valves are being installed to act as a grade separation between the tank and the Evergreen-Farmington (E-F) sewer.
- At the completion of the project, the City will be allowed to discharge approximately 10 cfs of sewage into the E-F sewer (currently the City is allowed 3.35 cfs).



- SIDEWALK PROGRAM

- 2021 - 2023 Summary:

- 152,400 sft of sidewalk was replaced (6,096 flags)
    - The Southfield Road, 11 Mile, and 12 Mile sidewalk replacement accounted for 43,800 sft of sidewalk replacement (DDA funded).
  - 906 joints were sawcut.
  - 109 ADA ramps were upgraded for ADA compliance.
  - Total cost was \$1.23M (mostly residential and DDA reimbursed).
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