

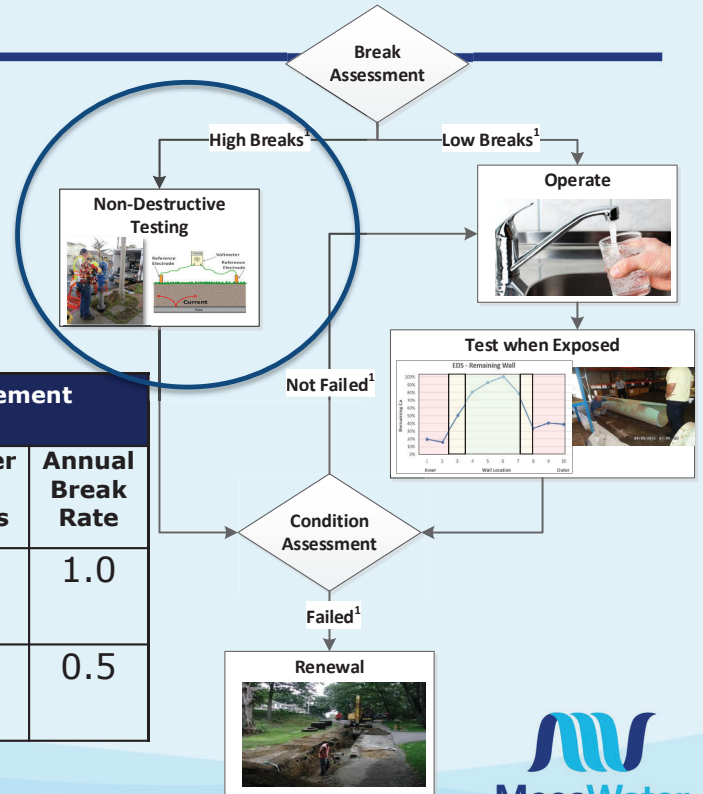
PIPELINE INTEGRITY PROGRAM

April 24, 2024

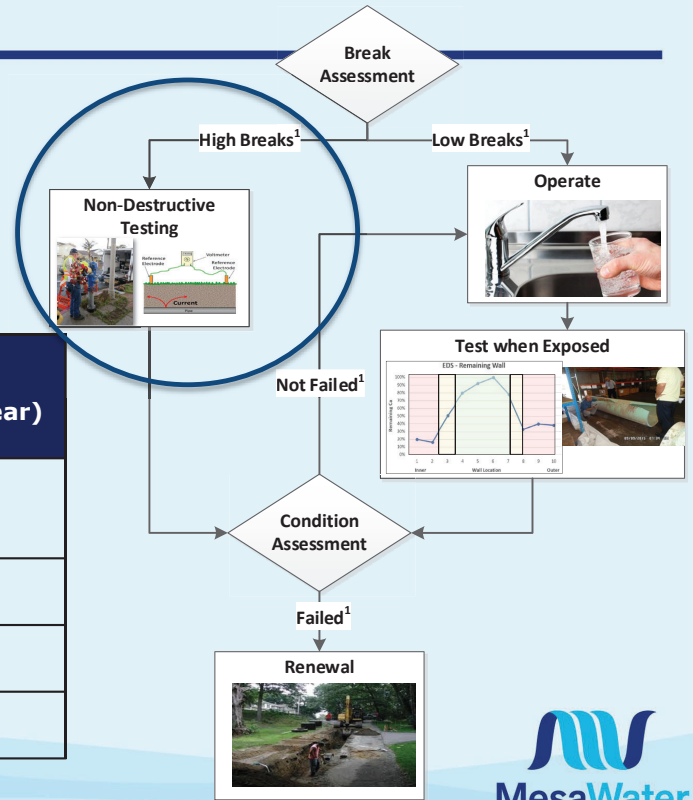


Resolution No. 1525 Replacement of Assets

| Type of Pipeline | NDT/ Condition Assessment | | Renewal/Replacement | | |
|---|---------------------------|-------------------|-----------------------|------------------|-------------------|
| | Number of Breaks | Annual Break Rate | Remaining Useful Life | Number of Breaks | Annual Break Rate |
| Distribution (14" diameter and smaller) | 3 | 0.2 | <10 years | 5 | 1.0 |
| Transmission (16" diameter and greater) | 2 | 0.2 | <10 years | 3 | 0.5 |

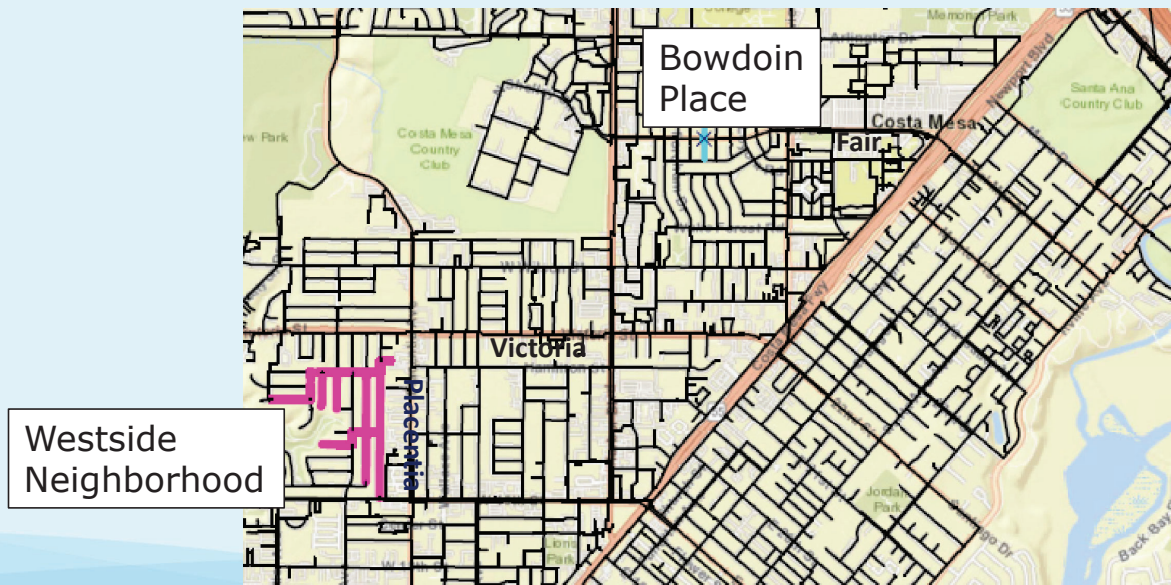


Non-Destructive Testing



| Cohort Group (Location) | Length (Miles) | Total Number of Breaks | Break Rate (Breaks/Mile/Year) |
|------------------------------------|----------------|------------------------|-------------------------------|
| CM-10-D-AC (Westside Neighborhood) | 2.0 | 15 | 0.36 |
| CM-45-D-AC (Bowdoin Place) | 0.2 | 4 | 1.2 |
| CM-450-D-Metallic (1951 CMLC Pipe) | 4.9 | 29 | 0.29 |
| CM-204-D-Metallic (Canyon Park) | 0.07 | 5 | 2.9 |

Non-Destructive Testing



Non-Destructive Testing with Echologics ePulse



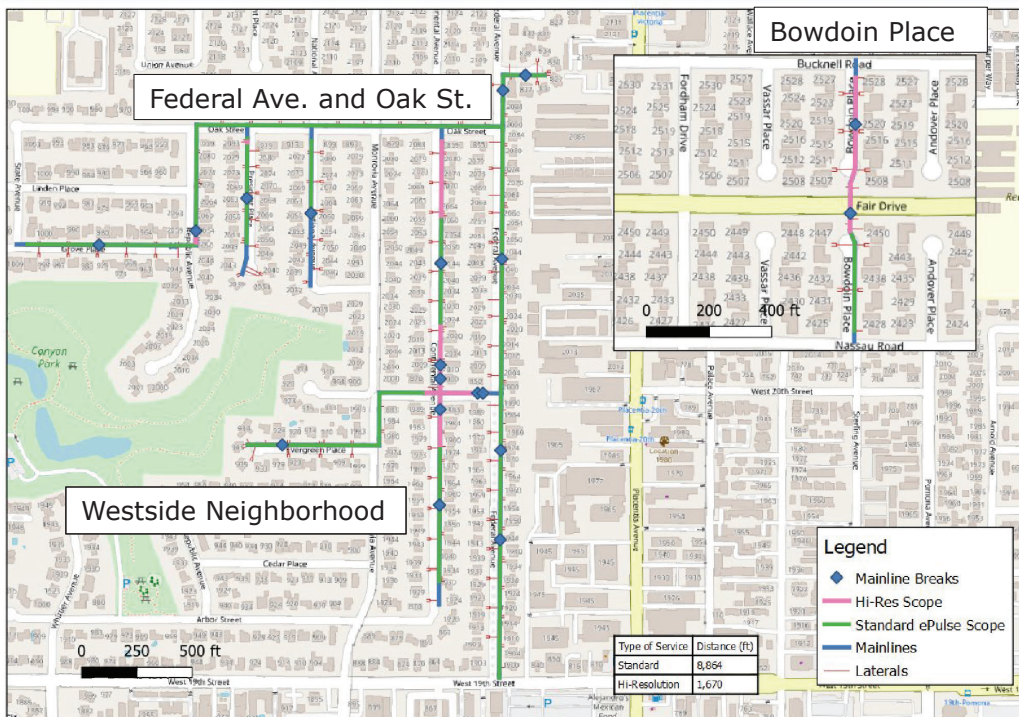
Remaining Wall (e-Pulse)

SENSOR CONNECTED TO HYDRANT, VALVE OR PIPE RF TRANSMITTER NOISE SOURCE

←← CAPTURE ACOUSTIC PROPERTIES →→

5 | April 24, 2024

Non-Destructive Testing with Echologics ePulse



Legend

- ◆ Mainline Breaks
- ✚ Hydrants
- System Valves
- Hi-Res Scope 2+ repairs
- Standard ePulse Scope 0 or 1 repair
- Mainlines
- Laterals

| Type of Service | Distance (ft) |
|-----------------|---------------|
| Standard | 8,664 |
| Hi-Resolution | 1,670 |



Non-Destructive Testing with Echologics ePulse

- Expected total cost: \$65,000 - \$85,000
- Total may exceed \$75,000 and require Board approval
- Still working out contract issues with Echologics and its parent company (Mueller)

QUESTIONS?