



Contractors License 544530
P.O. Box 591-I, Healdsburg, CA 95448-0590
1-888-UNPLUGU • (707) 433-8053 • FAX(707) 433-8085
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Cured in Place Point Repairs

Quick & efficient pipe repair

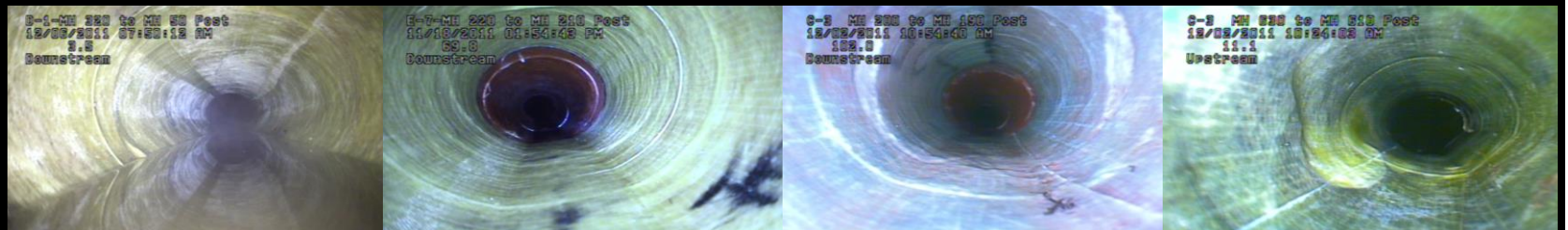
- No excavation required
- Work performed from manholes
- Targeted repair of breaks, holes, voids, infiltration, roots, etc.
- No damage to roadways
- Standard point repair will not prevent pipe maintenance procedures
- Adheres to interior wall of existing pipe, no changes in alignment

Fast Cure Times

- Sewer can operate normally during repair process
- By-pass pumping not necessary

Cost Effective

- Comparable cost to dig-up repair
- No added expense associated with pavement or landscaping rehab as surface is not damaged during repair process





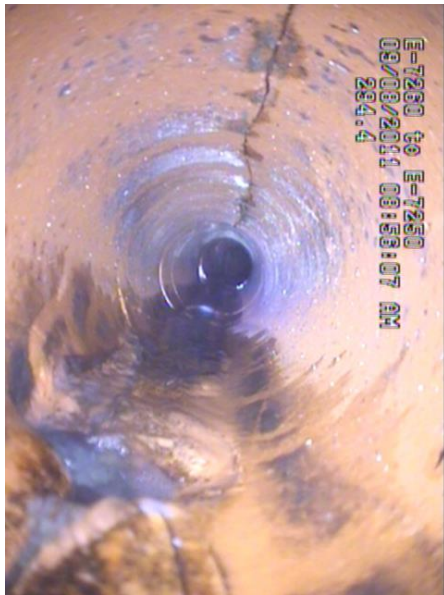
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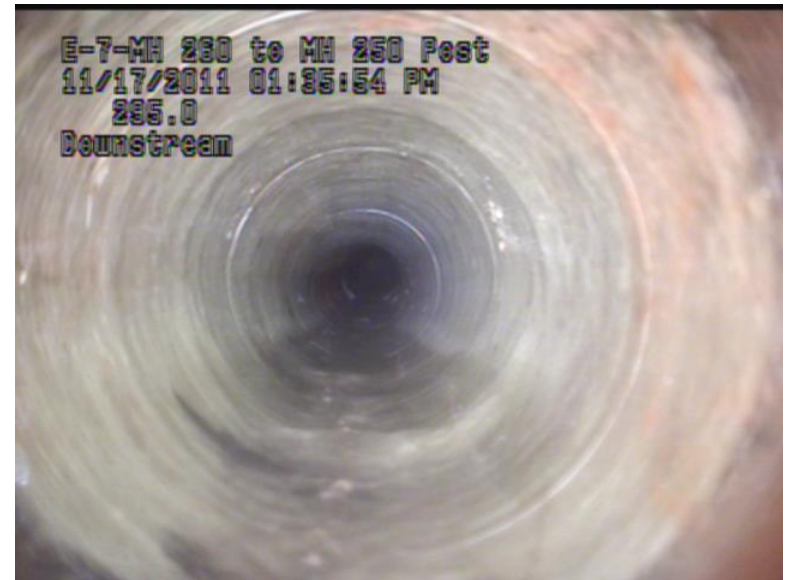
Your Town – 2011 Sanitary Sewer Repairs

CIPP installed to repair hole and cracked pipe



Existing problem identified

A hole under the flow line and a longitudinal crack at 12 o'clock required repair.



Post-repair photo

The pipe segment has returned to its original efficiency. Structural integrity is maintained and infiltration is eliminated.



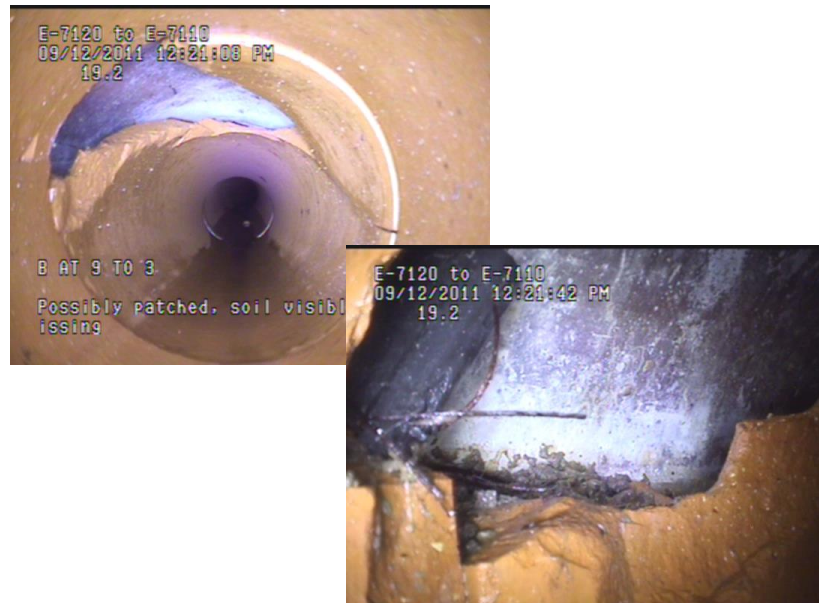
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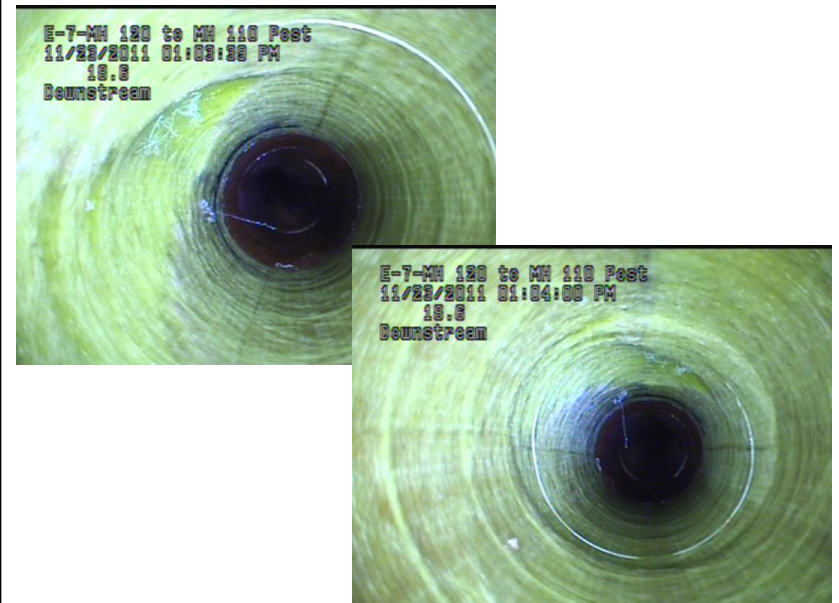
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CIPP installed to repair failed patch



Existing problem identified

Patched pipe is failing. Soil and root intrusion is visible.



Post-repair photo

The pipe has been sealed preventing further root intrusion and infiltration.



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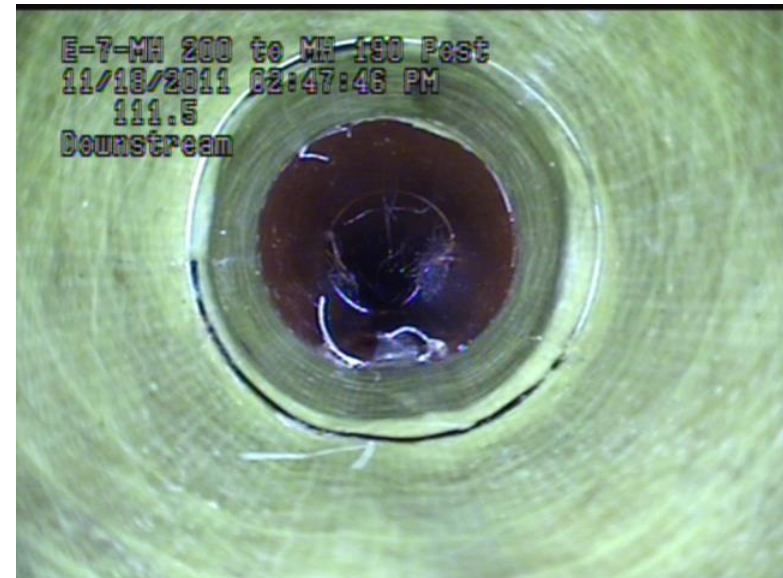
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CIPP installed to seal root intrusion



Existing problem identified

Root mass at joint blocking flow.



Post-repair photo

The pipe has been sealed preventing further root intrusion and infiltration.



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CIPP installed to seal missing pipe piece



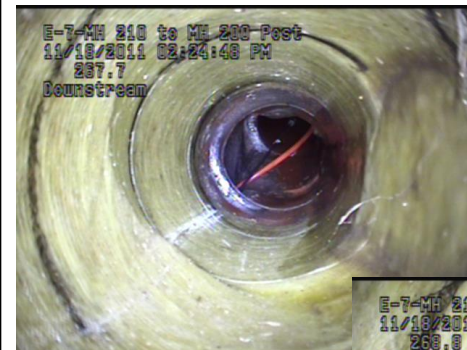
Pipe piece missing at 12 o'clock



HSV AT 12 At offset joint

Existing problem identified

Offset at joint obstructing flow, pipe missing at 12 o'clock.



Post-repair photo

Offset was ground down, then CIPP repair installed.



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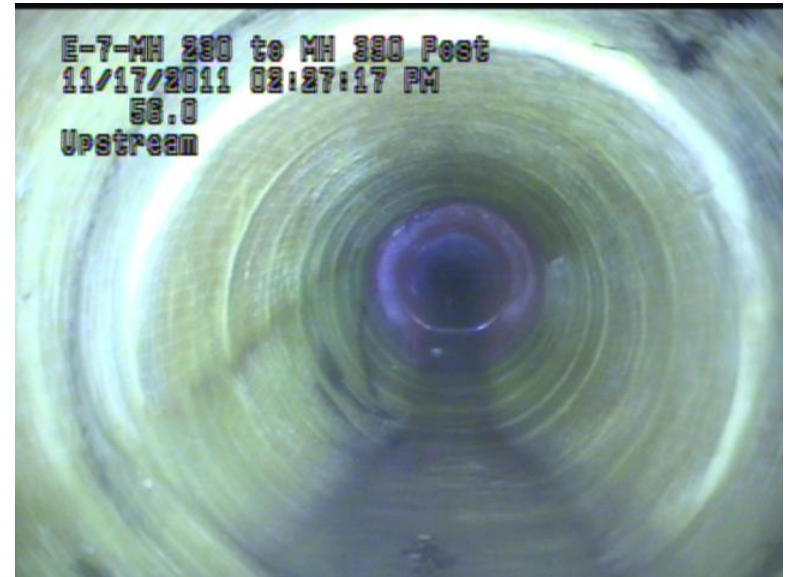
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CIPP installed to control root growth



Existing problem identified

Root mass blocking 75% of interior pipe surface, joint offset



Post-repair photo

Root was removed, then CIPP repair installed to prevent future root growth and eliminate infiltration.



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CIPP installed to repair broken pipe



Existing problem identified

Break in pipe, soil visible.



Post-repair photo

Pipe sealed with CIPP repair.



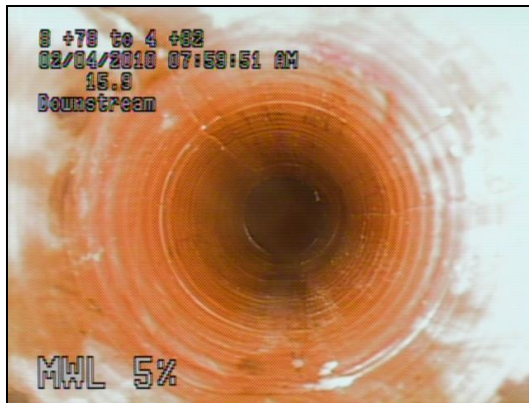
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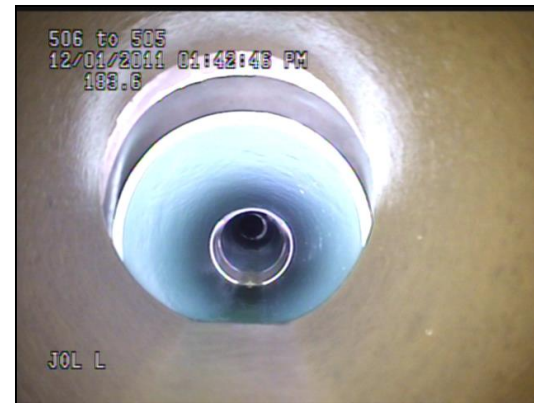
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Cured in place point repair (CIPP) vs. Open-Trench Dig Up Pipe Repair



The cured in place point repair conforms to the path of the original pipe. No changes of alignment occur and pipe is restored to full functionality. No restrictions are created to hamper standard pipe maintenance.



With open trench repair, offsets may develop as the replacement pipe segment settles into the soil where compaction under the original pipe was disturbed. The efficiency of the entire pipe segment has been compromised as cleaning and video inspection equipment cannot pass through the repair.