



NJWEA - Winter Tech Transfer 2025 Trenchless Technologies

Cleaning and Inspection Before
and After Rehabilitation
NJWEA Tech Transfer Winter 2025



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1

Pre Inspection and Cleaning

- Things to look for
- Where are my Active Service Connections
- Lining wont stick to dirty host pipe or
- Roots
- Grease
- Debris
- Voids
- Protruding Taps
- Large Offsets
- Collapsed Pipe

2

GREASE



3



4


Applications



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5

Roots



6

Pipe Repair



7

Hole in Pipe Visible Void – May need QL Sleeve prior to lining



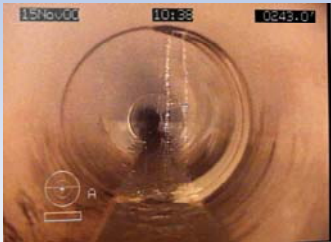
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Install QL before Lining



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Infiltration Runner- QL install prior to lining



10

Infiltration Gusher- Maybe Grout or QL Prior to lining



11

Stop Water prior to lining




12

Post Lining Inspection and Cleaning-
What to look for



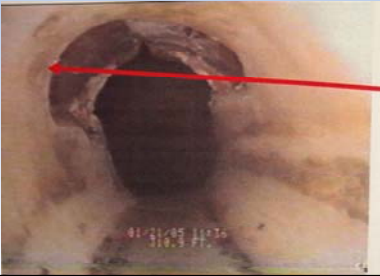
13

Detached Liner- Liner detached from host
pipe




14

Defective Liner End- Liner cut out in Manhole
and withdrawn in line




15

Blistered Liner-pockets of air, resin, or solvent




16

Service cut Shifted- partial block Service



17

Abandoned Service or Missed Service



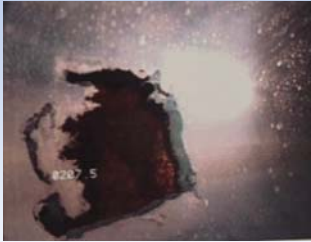
18

Over Cut Service Connection- host pipe exposed




19

Undercut Service Connection- can restrict flow from lateral and debris snagging liner



20


Resin Slug- uncured resin pushed in service connection



START MH: 2033-206
END MH: 2033-205
FEET: 0154.4


21

Wrinkle In Liner- Excess Material




22

Bulge In Liner- host pipe may have protruding tap- broken piece host pipe



23

Discolored Liner



24

Annular Space Liner- Visible space – not closely fit



25

Pinholes Liner- Small holes in liner -staining



26