City of Hastings
Sanitary Sewer Service and Connection Lining
A Brief History of Sewer Lateral Replacements:

- Pre-2011: Open trench full replacement of all sewer laterals
  - Invasive
  - Relatively Low Cost (~$2,000 each)
  - Non-selective (All mains and laterals)
A Brief History of Sewer Lateral Replacements:

- 2011: Trenchless lining of select sewer laterals
  - Semi-Invasive
  - High Cost (~$4,000 each)
  - Laterals inspected and selected by homeowner request
  - Open joint at lateral/main connection
A Brief History of Sewer Lateral Replacements:

- **2012-2013:** Trenchless lining of select sewer laterals with grout supplement
  - Semi-Invasive
  - Higher Cost (~$4,500 each)
  - All laterals inspected/selected by City
  - Joint at lateral/main connection grouted
Roots, Roots, & more Roots
A Brief History of Sewer Lateral Replacements:

- 2014 (and beyond?): Trenchless T-Liner replacement of select sewer laterals
  - Non-Invasive
  - High Cost (~$5,500 each) for Most Benefit
  - All laterals inspected/selected by City
    - Most laterals inspected by lateral launch camera
  - NO JOINT at lateral/main connection
The T-Liner System
T Liner Installation

Step 1: Install Vac-A-Tee
T Liner Installation

Step 1: Install Vac-A-Tee

Step 2: Inspect/Clean/Measure Lateral

Step 3: Install T-Liner
2014 Results

6,250 lineal feet of sewer main lined

68 Services Identified for Replacement
(out of 135 within project area)

59 Services Lined with T-Liner
  ▪ 59 Vac-A-Tees in 4 days
  ▪ 1,700 lineal feet of T-Liners in 8 days
More Information

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