

# Engineering Department

Summer Internship Presentation

Grace Avellar

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# Major Projects

- 1. Performed AutoCAD drafting and field work for the 2018 sewer rehabilitation project.**
- 2. Assisted with construction management and inspection for the 2017 sewer rehabilitation project.**



# 2017 Rehabilitation Project

- Created maps in GIS
- Watched CCTV of both sewer mains and laterals
- Created spread sheets of pipe conditions and a recommended course of action
- Attended meetings with contractor and conducted site walk
- Reviewed progress payments

# Skills I Learned

- **Computer Programs**
  - AutoCAD
  - Trakit
  - GIS
  - Hansen
  - Microsoft Excel
- **How to collect GPS data points using a Trimble**
- **Research skills**

# Results of my Internship

- Gained experience working under an engineer
- Exposed to civil engineering practices and a professional environment
- Learned how to read and interpret plans
- Contributed to projects with real world implications
- Learned multiple computer programs
- Got a sense of what post college life will be like

Thank you for supporting the NSD  
Internship Program

