

Engineering Department

Summer Internship Presentation

Grace Avellar

August 16, 2017



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.

2018 Rehabilitation Project



- Gas
- AT&T
- CTV
- Water
- Storm Drains
- Clean Outs
- Laterals
- Manholes

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

