# Engineering Department

**Summer Internship Presentation** 

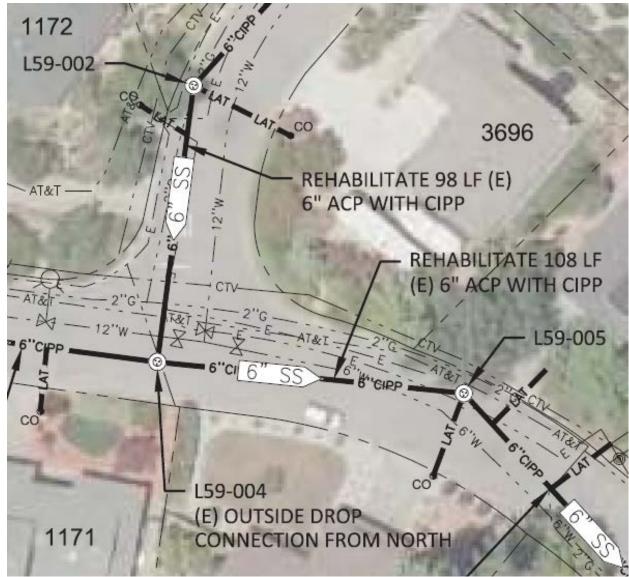
Grace Avellar August 16, 2017



## 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

