

# Kirkland Pump Station and Sewer Upgrade Project

**Community Meeting**  
September 28, 2011



Why we're here

# INTRODUCTION AND BACKGROUND

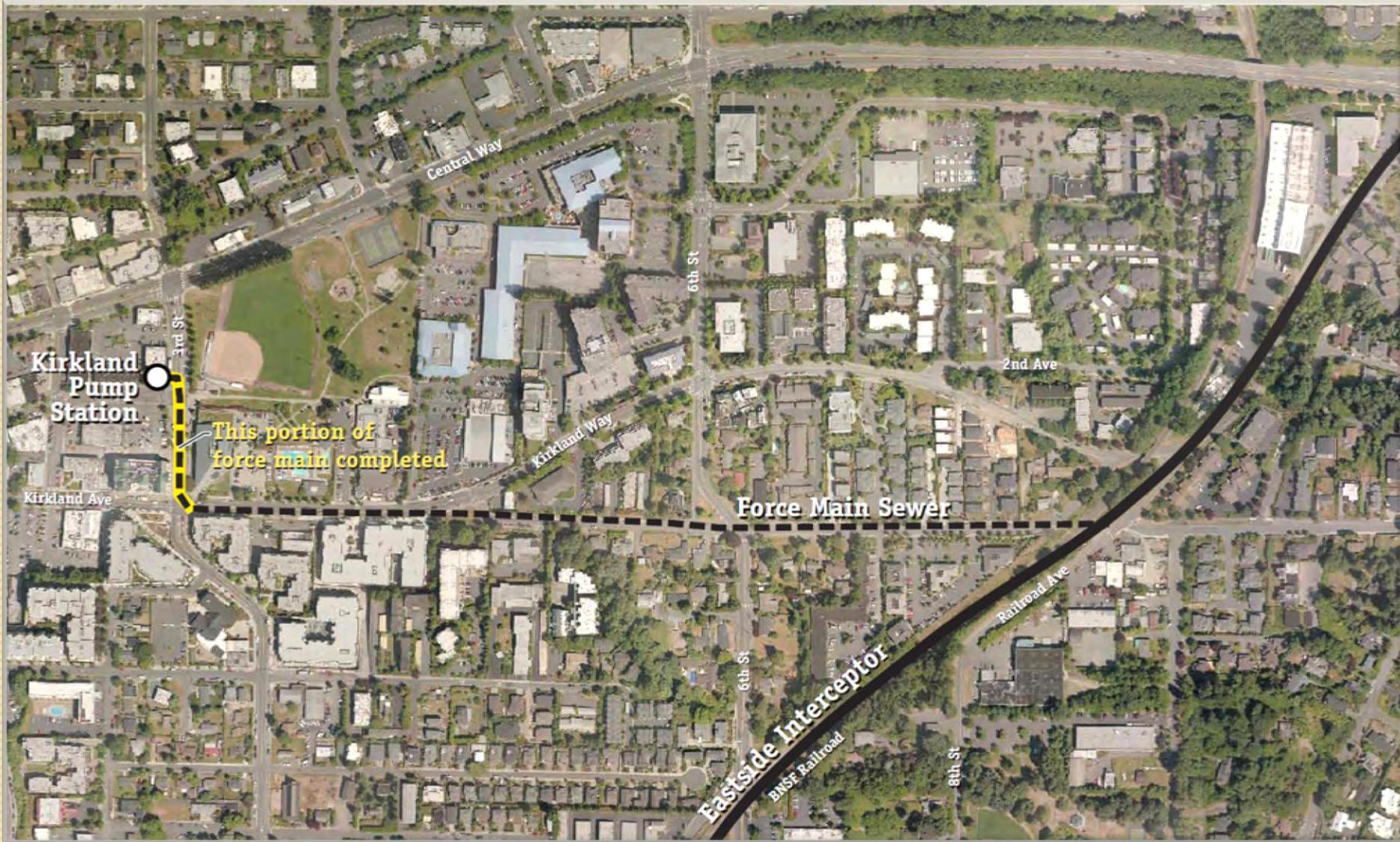
# Introduction

- Welcome
- Introduce team
- Names and roles of attendees
- Presentation agenda
  - Project components
  - Contact information
  - Q&A



# Project Background

- Scope
  - Upgrade Kirkland Pump Station and sewers leading in and out of it
  - Replace aging equipment and pipes
  - Install a new force main
  - Increase pumping capacity from 5.6 million gallons per day (mgd) to 9.4 mgd
  - Upgrade odor and noise control systems



Kirkland Pump Station

This portion of force main completed

Force Main Sewer

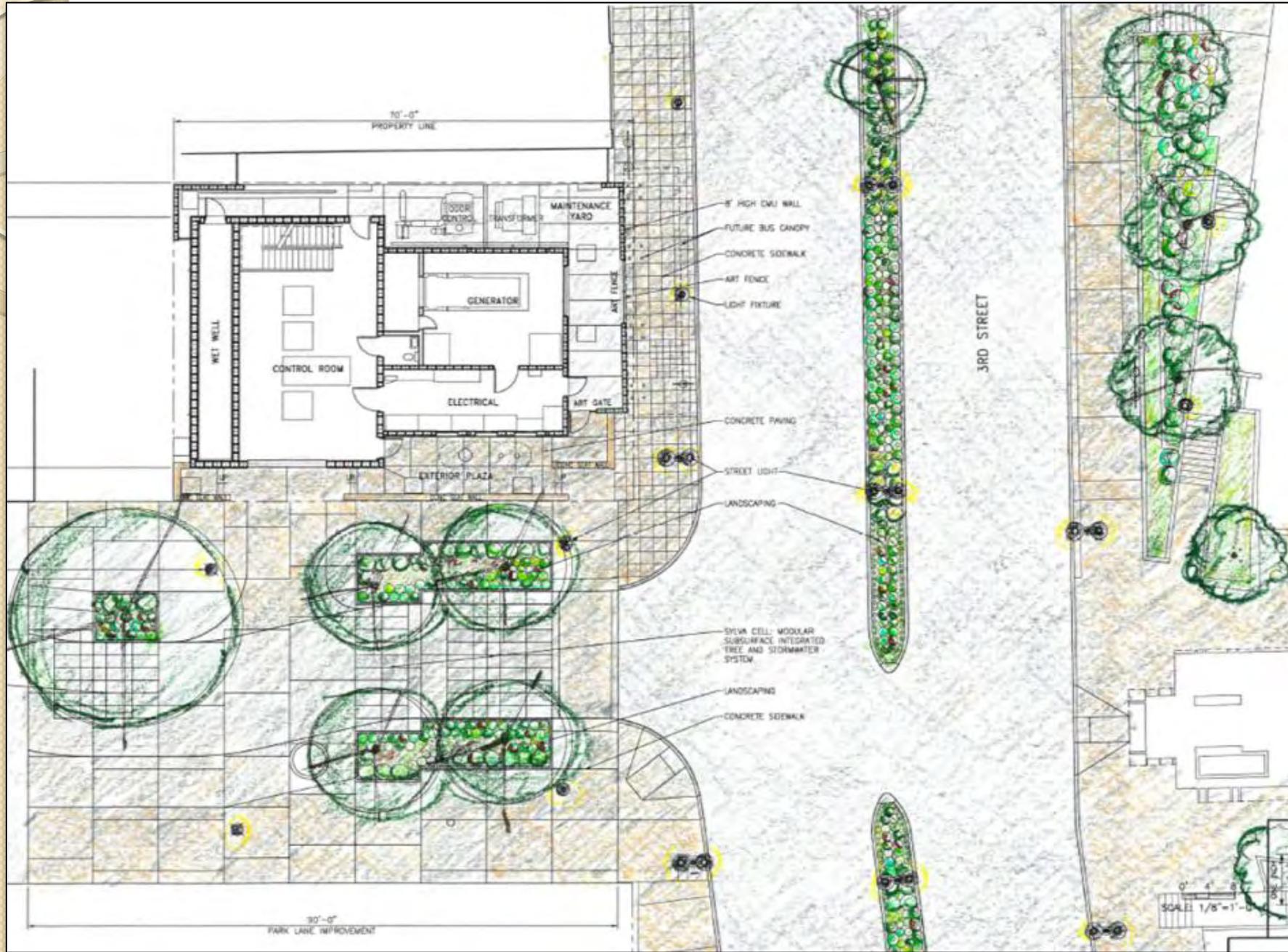
Eastside Interceptor  
BNSF Railroad

# Schedule

- Dates and duration
  - Notice to proceed issued August 17, 2011
  - Substantial completion by July 2014
  - Force main work 2012, about 3 months
- Work hours:
  - Monday-Thursday, 10 hours/day
  - Potential limited night-time and weekend work
- City Events:
  - Coordination with the City on event schedule

# Coordination Among Agencies

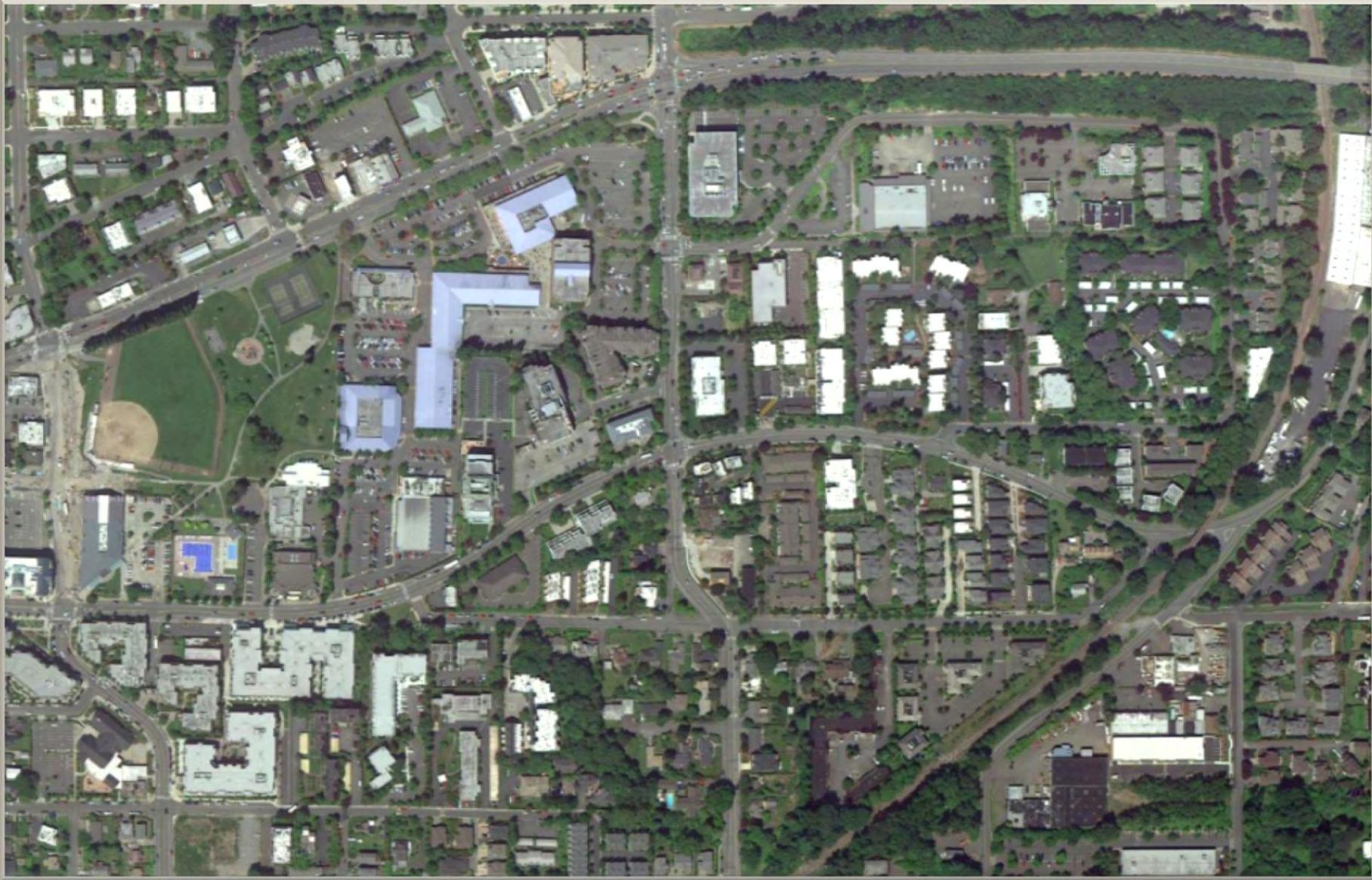
- Sound Transit
  - City's water and storm drainage systems
  - KC WTD influent sewer and section of force main
  - Bus shelter #4 (will be installed at the end of this contract)
- City of Kirkland
  - Park Lane improvements



What's going to be built



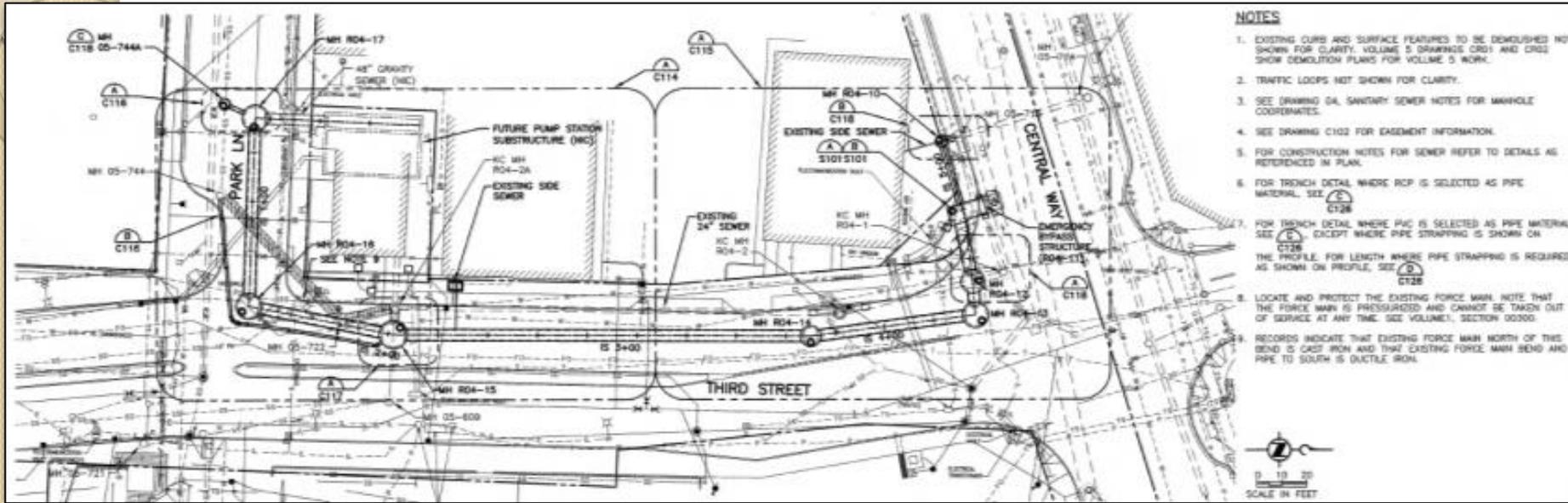
# PROJECT COMPONENTS



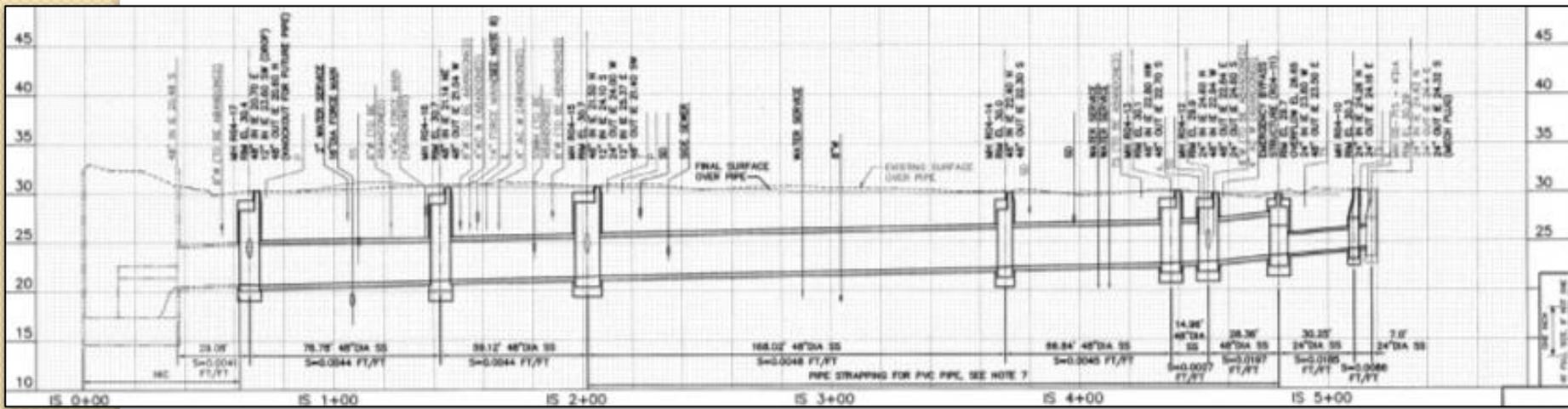
# Kirkland Pump Station Service Area



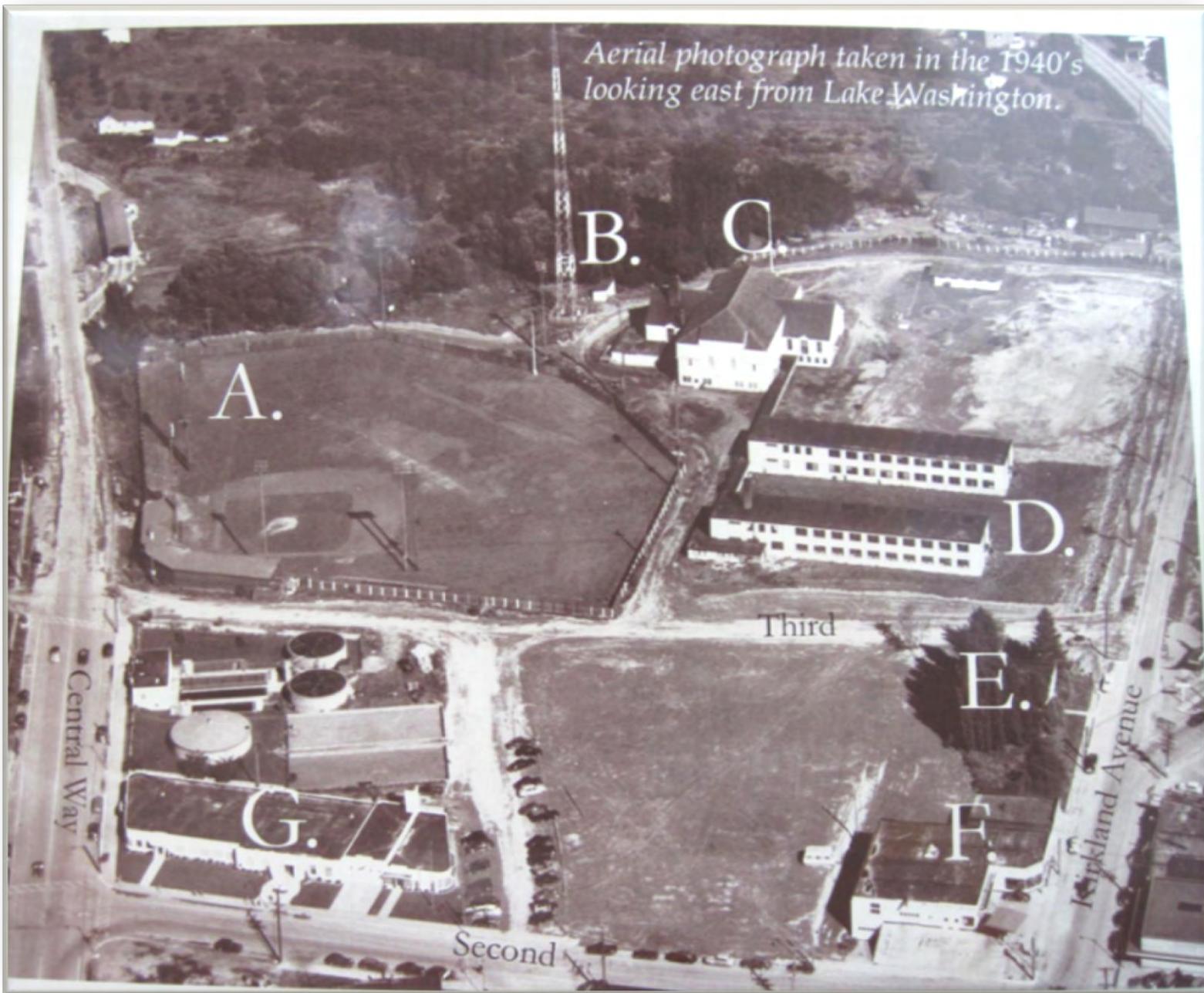
# Influent Sewer

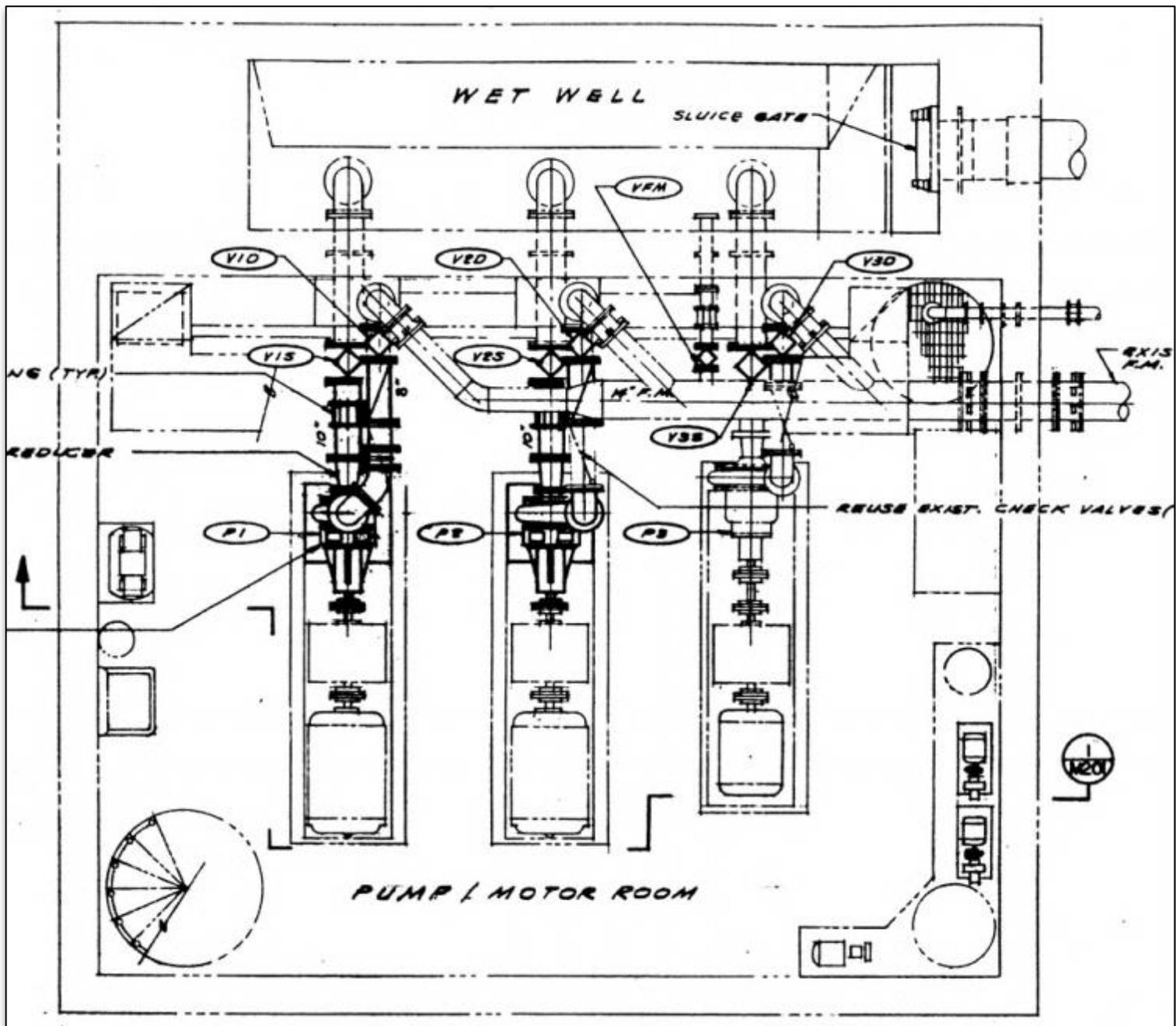


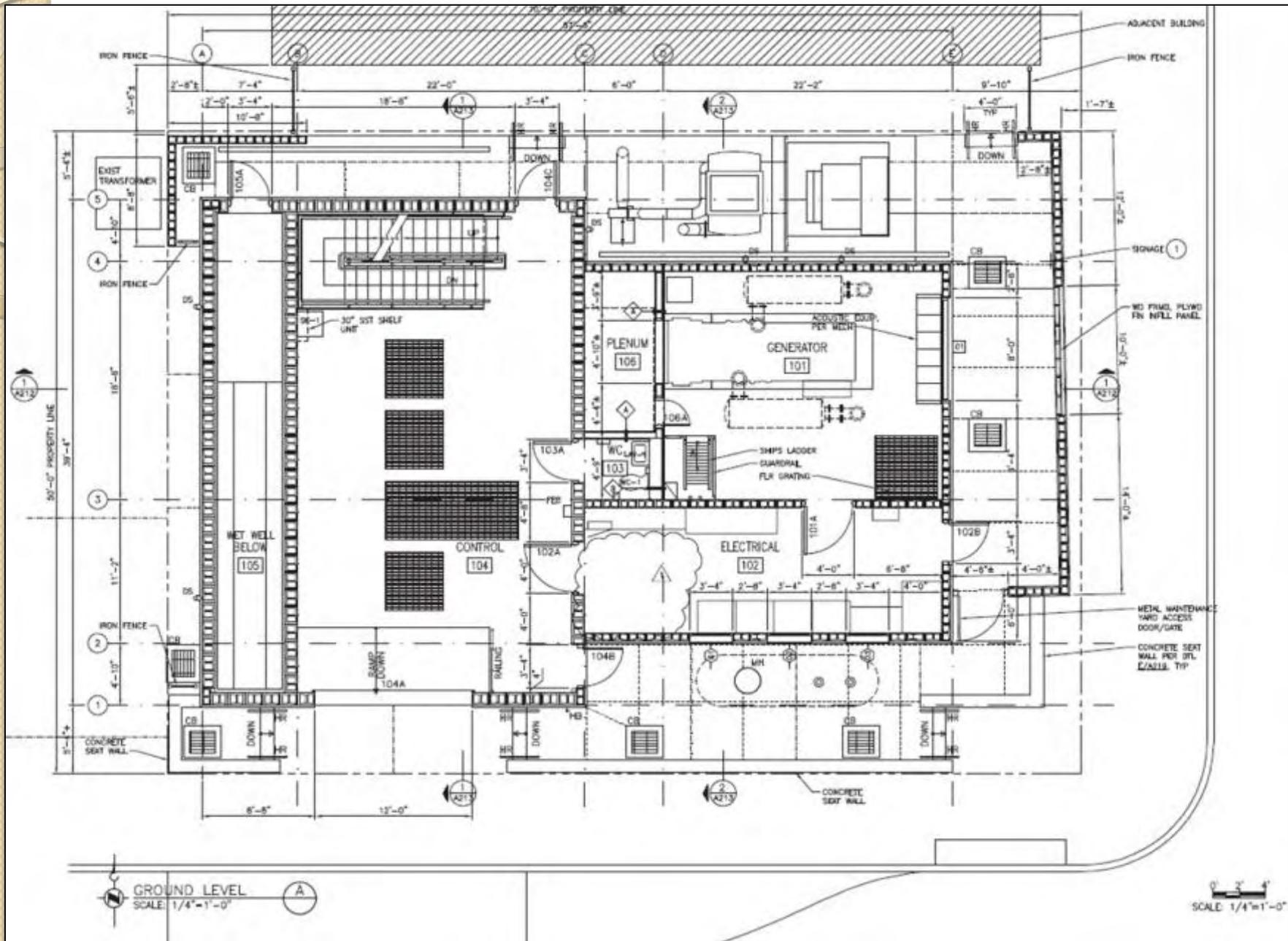
- NOTES**
- EXISTING CURB AND SURFACE FEATURES TO BE DEMOLISHED NOT SHOWN FOR CLARITY. VOLUME 5 DRAWINGS C001 AND C002 SHOW DEMOLITION PLANS FOR VOLUME 5 WORK.
  - TRAFFIC LOOPS NOT SHOWN FOR CLARITY.
  - SEE DRAWING 04, SANITARY SEWER NOTES FOR MANHOLE COORDINATES.
  - SEE DRAWING C102 FOR EASEMENT INFORMATION.
  - FOR CONSTRUCTION NOTES FOR SEWER REFER TO DETAILS AS REFERENCED IN PLAN.
  - FOR TRENCH DETAIL WHERE RCP IS SELECTED AS PIPE MATERIAL, SEE **C126**.
  - FOR TRENCH DETAIL WHERE PVC IS SELECTED AS PIPE MATERIAL, SEE **C126** EXCEPT WHERE PIPE STRAPPING IS SHOWN ON THE PROFILE. FOR LENGTH WHERE PIPE STRAPPING IS REQUIRED AS SHOWN ON PROFILE, SEE **C128**.
  - LOCKE AND PROTECT THE EXISTING FORCE MAIN. NOTE THAT THE FORCE MAIN IS PRESSURIZED AND CANNOT BE TAKEN OUT OF SERVICE AT ANY TIME. SEE VOLUME 1, SECTION 00300.
  - RECORDS INDICATE THAT EXISTING FORCE MAIN NORTH OF THE BOND IS CAST IRON AND THAT EXISTING FORCE MAIN SOUTH AND PIPE TO SOUTH IS DUCTILE IRON.

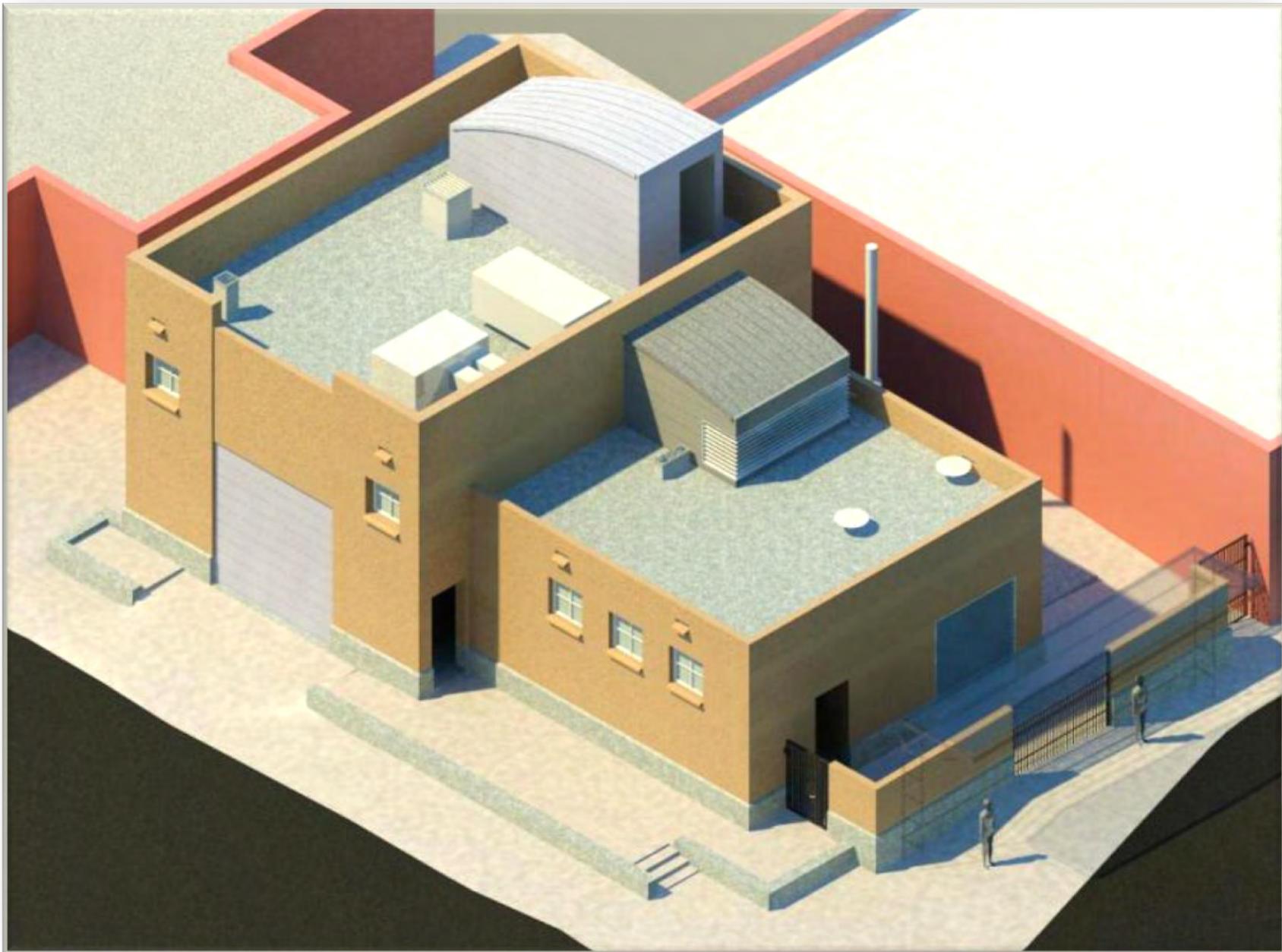


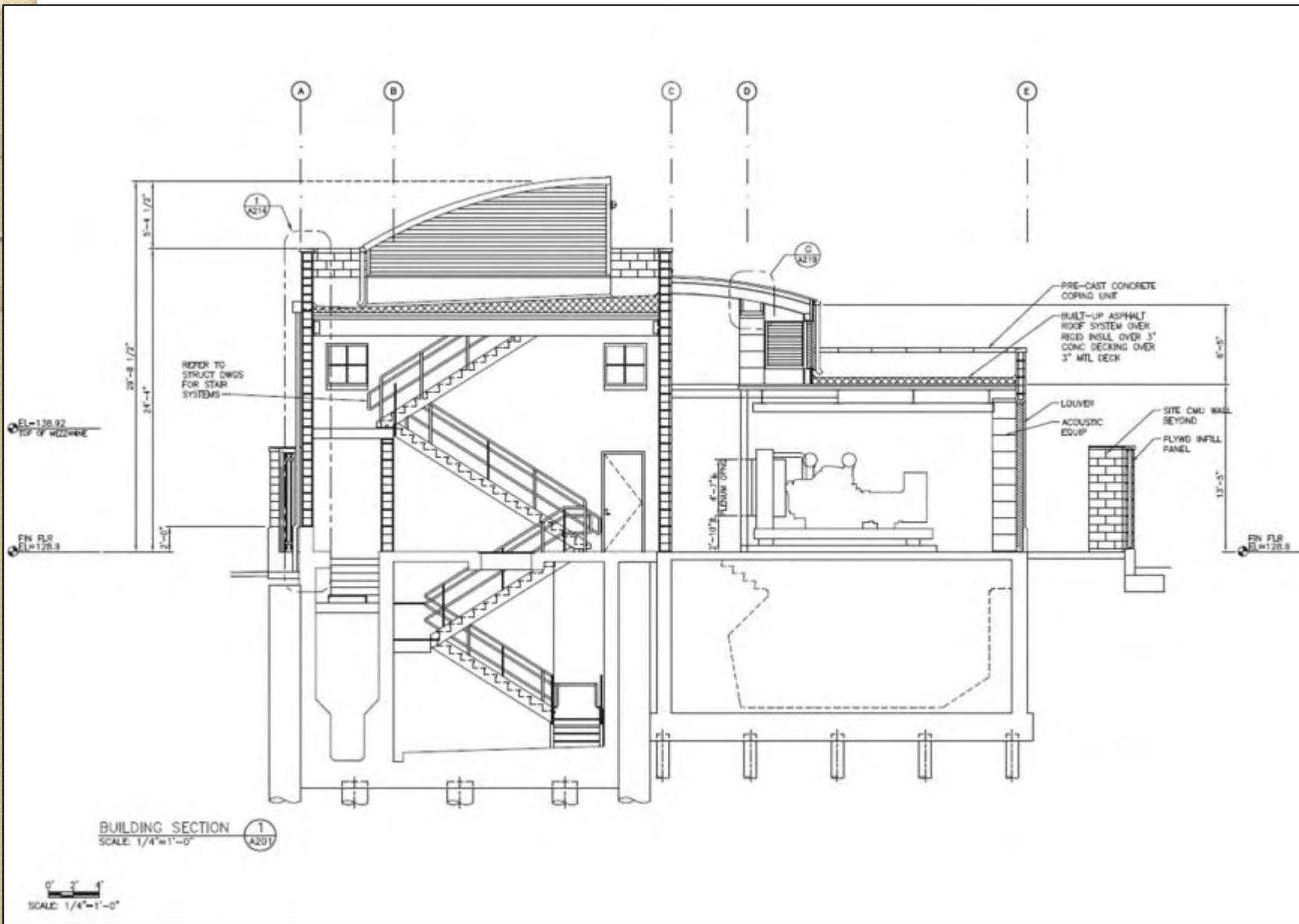
*Aerial photograph taken in the 1940's  
looking east from Lake Washington.*

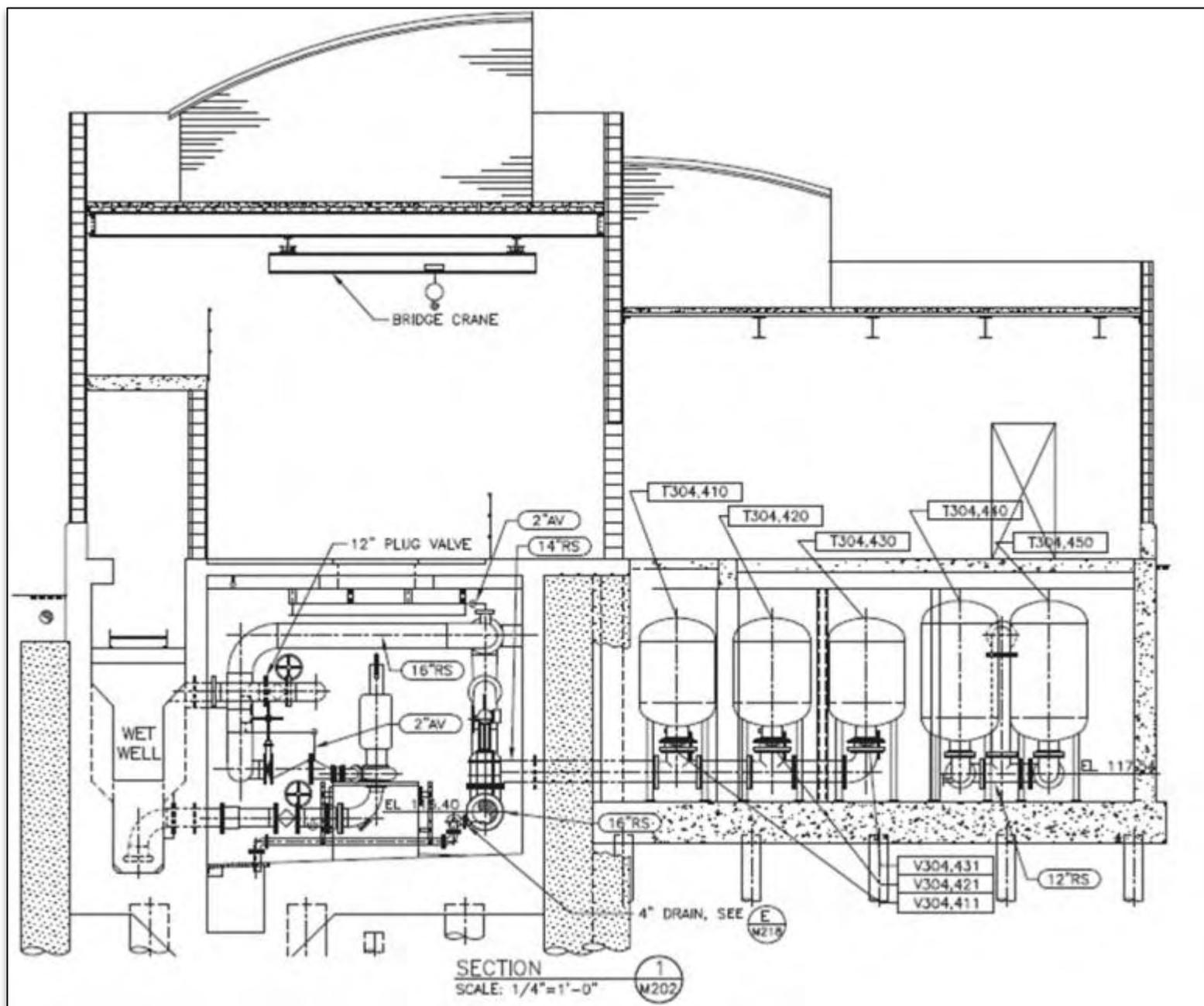




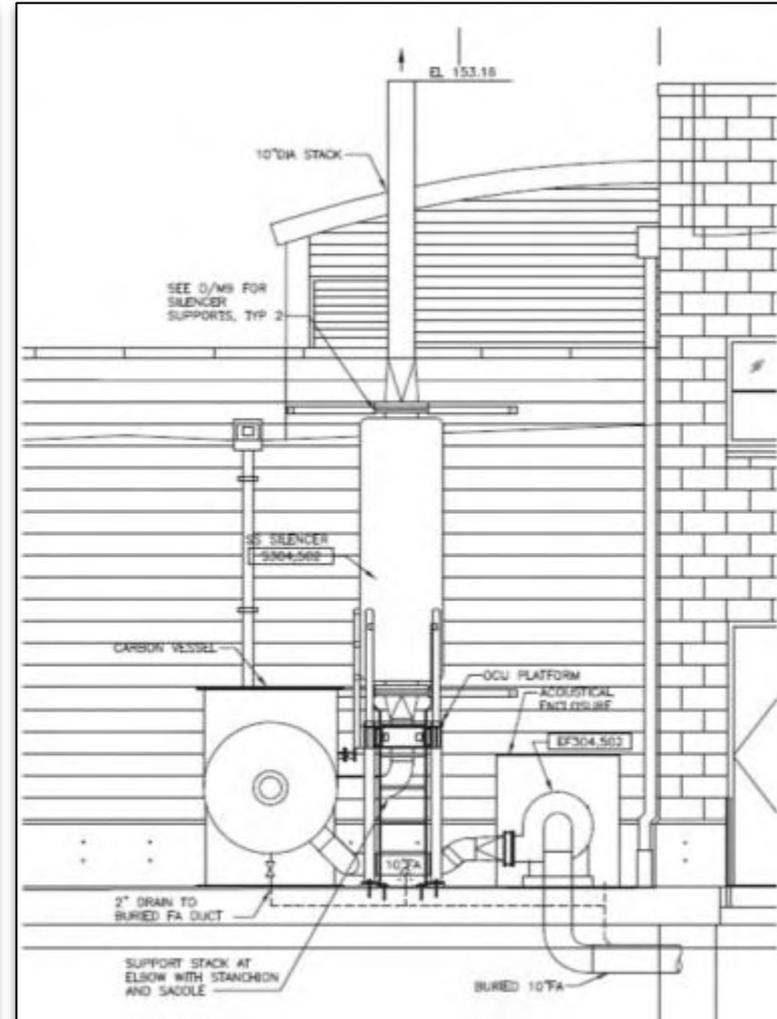
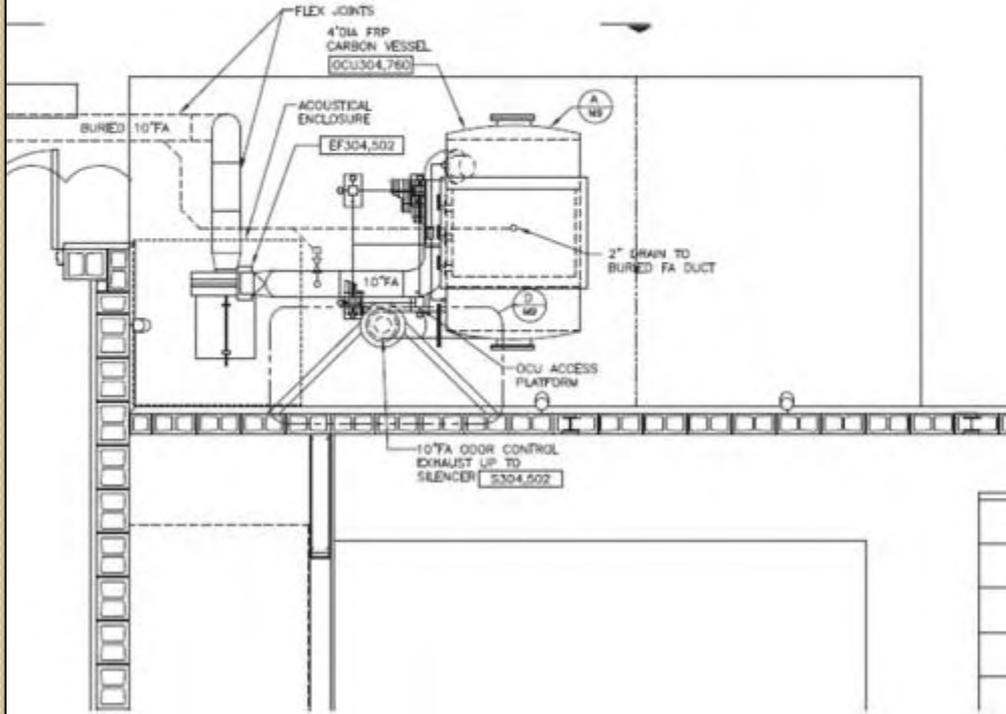








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LAGGING PER SPECIFICATIONS.



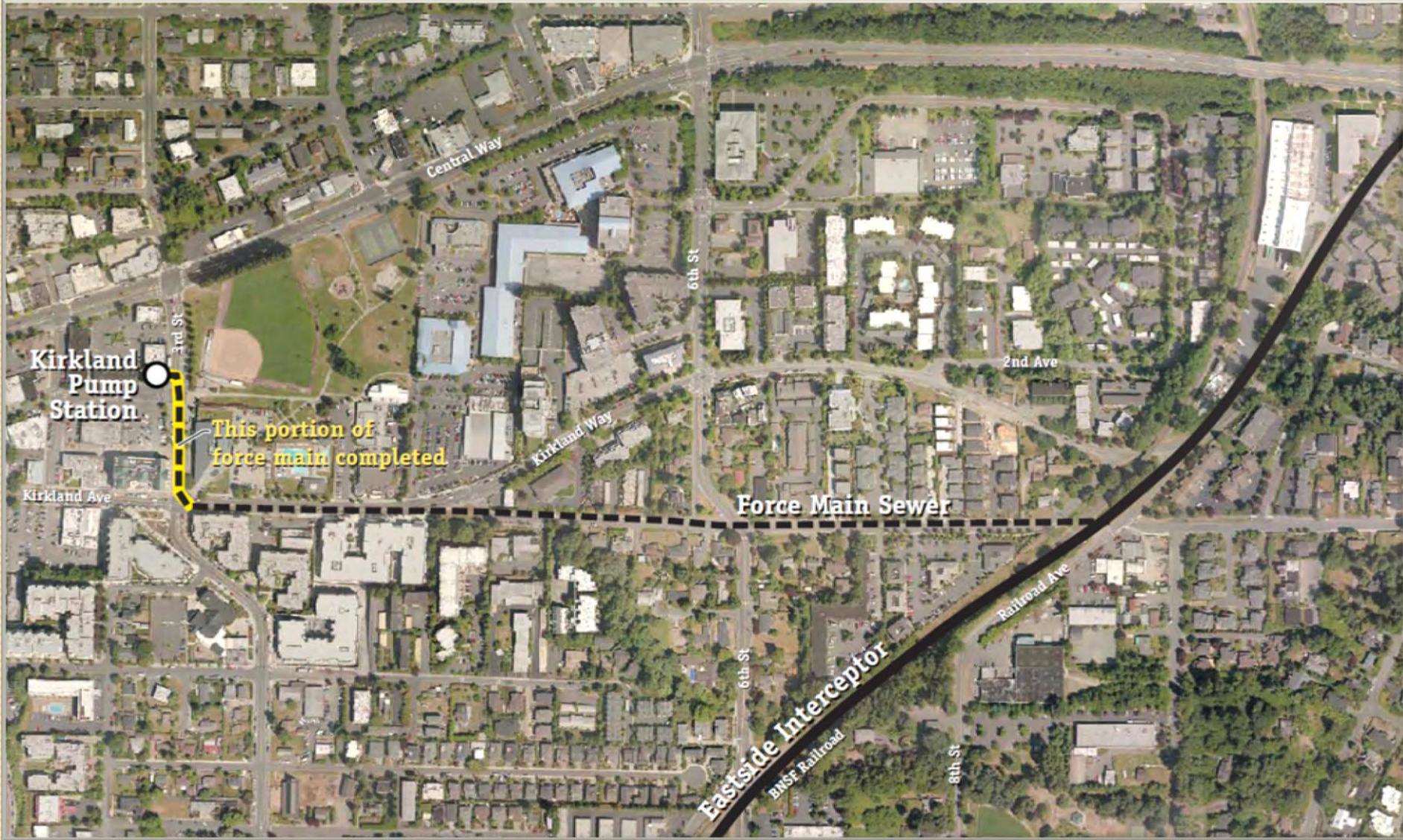


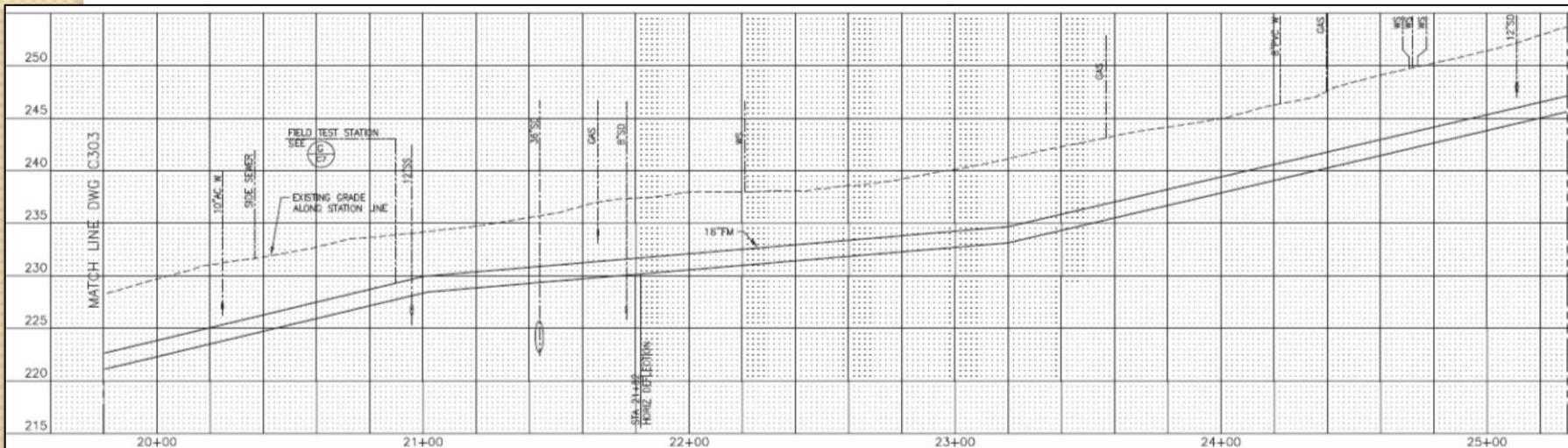
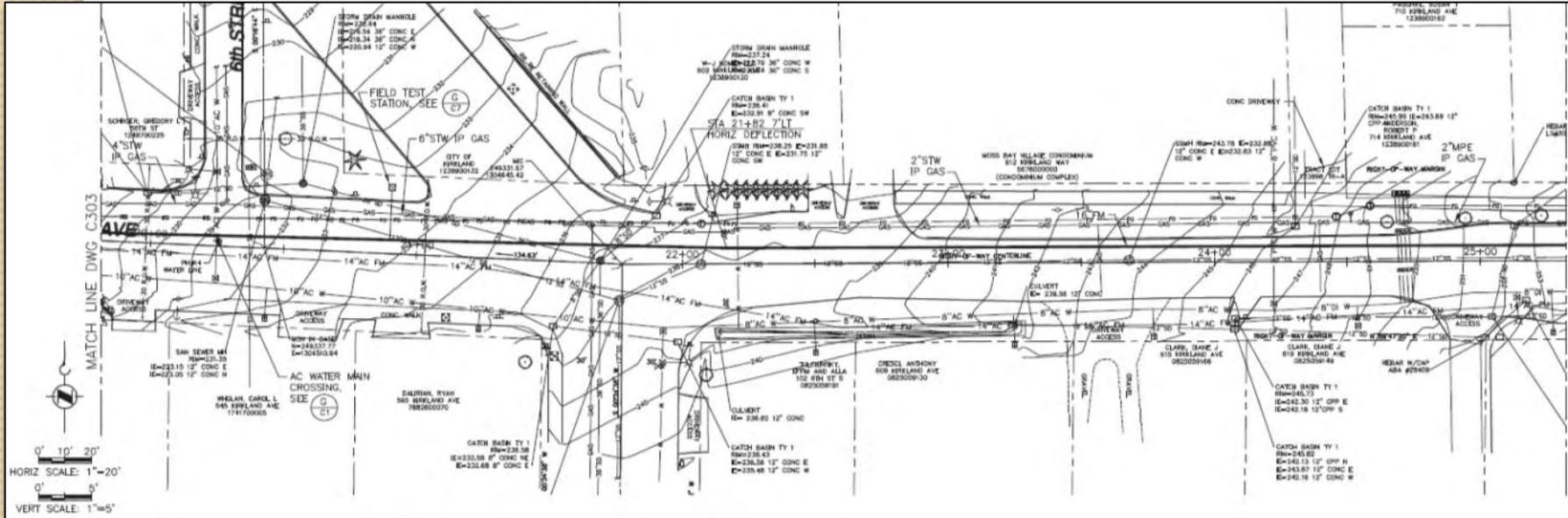


# Pump Station Construction Sequence

- Keep existing station pumping
- Temporary electrical
- New substructure and building
- Mechanical, electrical, controls
- Install force main
- Test and start up new station
- Deactivate old equipment
- Install generator
- Complete restoration





















# Public Involvement

- King County will work directly with the community to provide advance notice and minimize construction impacts whenever possible.
  - Project hotline: 206.205.9196
  - Project web site
  - Construction updates
  - Listserv
  - Existing Kirkland resources
  - Newsletters
  - One-on-one meetings



Final notes and questions



# WRAP-UP

# More Information

- 24-hour project hotline:
  - 206.205.9196
- Web site:
  - <http://www.kingcounty.gov/environment/wtd/Construction/East/Kirkland.aspx>
- Heidi Sowell
  - 206.684.1207
  - [Heidi.Sowell@kingcounty.gov](mailto:Heidi.Sowell@kingcounty.gov)
- Amy Danberg
  - 206.205.9196
  - [adanberg@prrbiz.com](mailto:adanberg@prrbiz.com)

# QUESTIONS?

