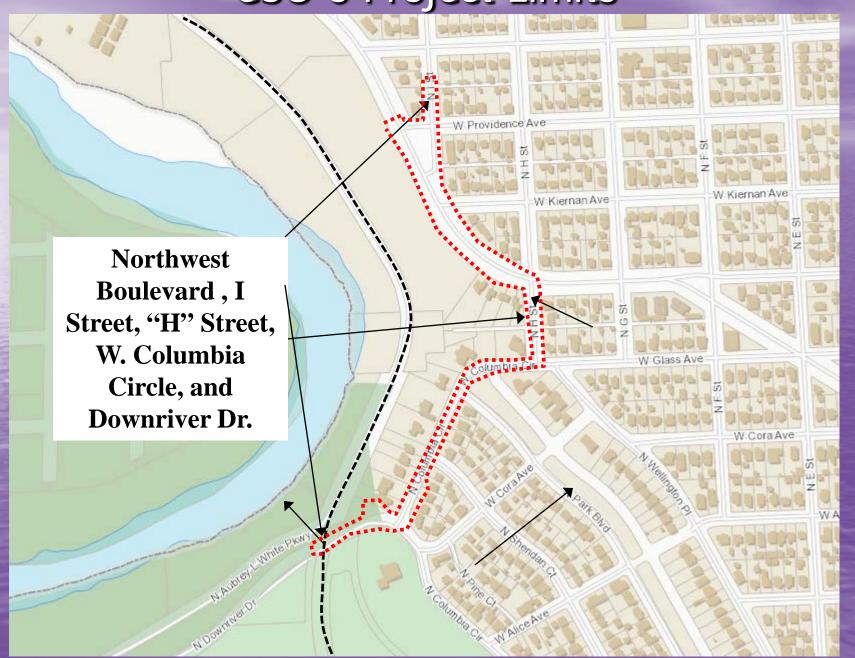
Combined Sewer Overflow (CSO) Reduction Project Basin 6

CSO 6 Project Limits







CSO 6 Project



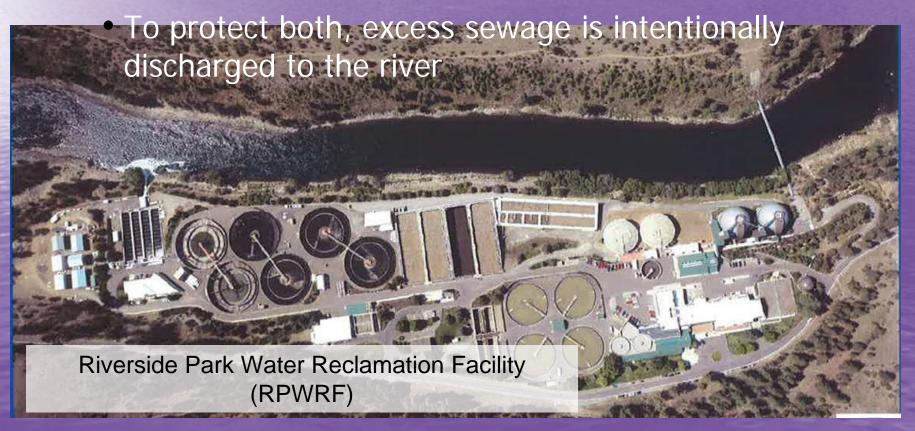


CSO 6 Project

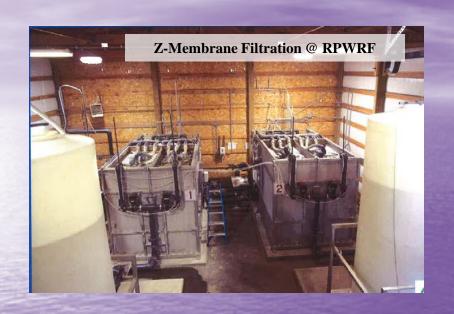


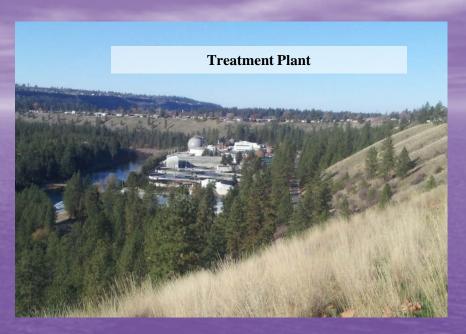
Combined Sewer Information

- Combined Sanitary & stormwater into the same pipe
- Combined sewage overwhelms combined sewers and the treatment plant during a storm



Why build a CSO Tank?





- Compliance with EPA Clean Water Act and WAC 173-245
- CSO discharges only 1/year per outfall with EPA fines for non-compliance
- Cost \$1,000 for 1 million gallons current treatment cost only
- \$100 million for RPWRF upgrades to meet treatment standards

Combined Sewer System



- Two types of sewer systems
 - Combined storm and sanitary
 - Separate storm and sanitary
 - Storm sewer (i.e. rainwater) discharges to river
 - Sanitary discharges to treatment plant
 - Very expensive to convert a combined system to a separated system
 - Spokane has both types of systems

- Alternatives to fix a combined sewer
 - Install a separate storm sewer
 - Very expensive, have to dig up every street
 - Have to do something with the water once collected, new river discharge without treatment is no longer permitted

- Alternatives to fix a combined sewer
 - Install a CSO tank
 - Holds rainwater for 12-48 hours during a storm
 - Slowly releases the stored water back into the sewer system after the storm
 - Least expensive, most environmentally friendly alternative in built out areas

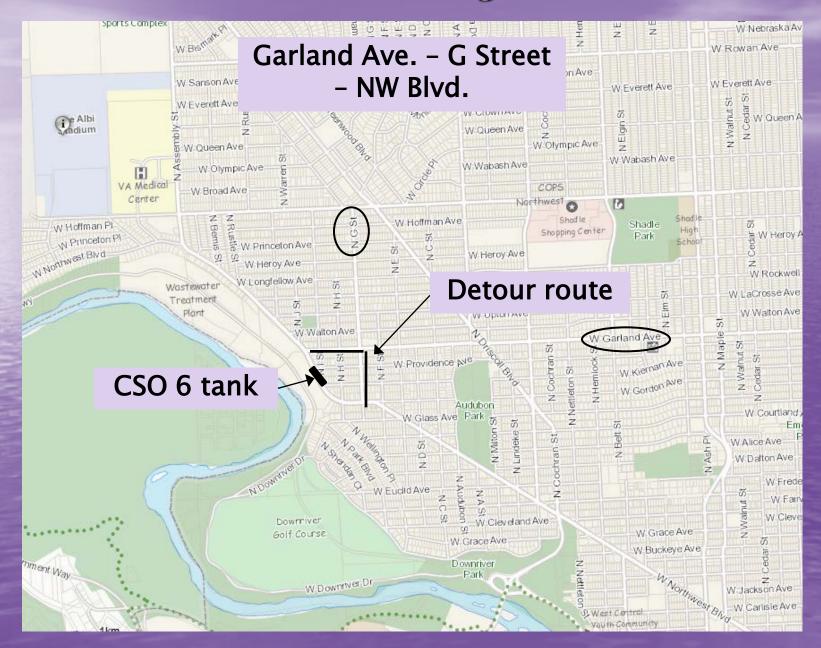
- History (i.e., how did we get into this predicament?)
 - Cesspools
 - Septic systems
 - Sanitary/storm sewer systems piped to river
 - Interceptor parallel to the river with wet weather overflow

CSO 6 Construction Schedule

Schedule

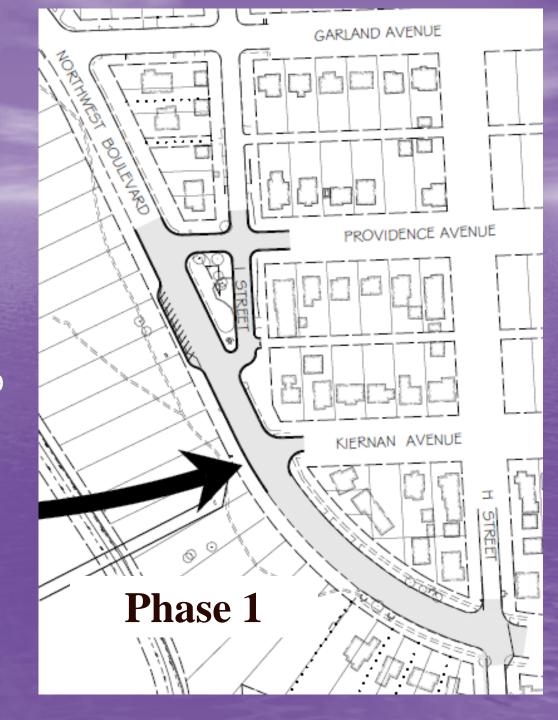
- 12 month duration (entire project)
- Beginning Spring 2015 anticipated start in March

Traffic Detour During Construction



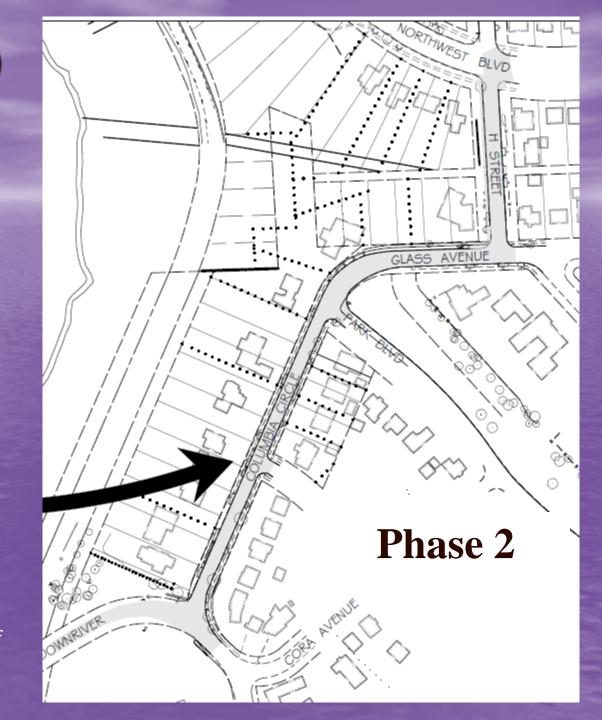
CSO 6 (Phase 1) Construction

- Tank and utilities constructed
- NW Blvd. south of Garland intersection to east of H Street intersection closed to all traffic
- Local access will be provided on side streets



CSO 6 (Phase 2) Construction Schedule

- CSO 7 installed
- Roads closed to all but local access
- 100' long trench with sewer construction moving about 200' per day
- During period hole is in front of your property, even local access is restricted
- Some access restrictions while paving is in front of your property



Questions?

Contact:

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Website for more CSO information:

http://www.spokanewastewater.org