Combined Sewer Overflow (CSO) Reduction Project

Interceptor IO3 Control Facility at Northwest Blvd/TJ Meenach

Combined Sewage Overflow Reduction

- Two types of sewer systems
  - Combined storm & sanitary
  - Separate storm & 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
**Combined Sewer System**

**Combined Sewer Information**

- Combined Sanitary & stormwater into the same pipe
- Combined sewage overwhelms combined sewers and the treatment plant during a storm
- To protect both, excess sewage is intentionally discharged to the river

- Riverside Park Water Reclamation Facility (RPWRF)
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
IO3 Tank Construction

Construct 180’ long by 100’ wide underground storage tank
- Tank to store +1,400,000 gallons
ALTERNATIVE 2
FORCE MAIN TO GRACE SEWER

CONSTRUCT 30" OVERFLOW PIPE "T" TO OVER 30' TANK

EXISTING 30" SANITARY SEWER

FORCE MAIN FROM TANK BACK TO 30" SEWER PIPE

EXISTING 30" SANITARY SEWER

21" SEWER LINE CONNECTS BACK INTO EXISTING 48" SANITARY SEWER

ALTERNATIVE 3
Gravity Sewer to near Pettet/TJ Meenach
- Some trees affected – none near NW Blvd
- Landscape and Restoration
- Park restored
- Other areas natural landscape
- New trees planted on the project

Traffic During Construction

Closures/Local Access only
Cochran and Grace

Limited Closure at TJ Meenach

Lane restrictions on TJ Meenach

No closures allowed until Petiet Drive is open to traffic
Questions?

Contact:
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Website for more CSO information:
http://www.spokanewastewater.org