Combined Sewer Overflow (CSO) Reduction Project

CSO 12/Pettet Drive
&
Interceptor IO3
at Buckeye/Nettleton

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 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

Combined Sewer Information

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

CSO 12/Pettet Drive Project Limits

- Pettet Drive TJ Meenach to Belt
- CSO 12 Tank (Downtown Hill)
What is the CSO 12 Project?

Construct a 250' long by 50' wide underground storage tank for excess stormwater - combined sewer.
Tank to store 170,000 gallons.

Pettet Drive

Reconstruct Pettet Drive from Idaho to 13
Add bike lanes, 6' wide
Add sidewalk in bike areas
Stormwater treatment and infiltration areas where feasible.

Pettet Drive

PETTET DRIVE TRAIL LOOKING SOUTH

CSO 12/Pettet Dr. Project Work

CSO 12 Tank
(Doomsday Hill)
Underground 259' L x 59' W x 30' Deep
Concrete Tank

Pettet Drive: sewer piping, 14' wide trail construction, and 24' wide street construction.
CSO 12 and Pettet Drive Construction Schedule

- 10 - 12 month duration (entire project)
- Beginning Spring 2016
  - Anticipated start in March 2016
- CSO 12 Tank to start first
- Pettet Drive construction to start following Bloomsday - May 1, 2016

Traffic Detour During Pettet Dr. Construction

IO3 Control Facility at Buckeye/Netleton

What is the IO3 Tank Project?
- Construct a 200’ long by 130’ wide underground storage tank for excess stormwater – combined sewage
- Tank to store +1,240,000 gallons

New 12’ shared-use path and improved viewpoint constructed as part of IO3 Project
NORTHWEST BLVD. TO NEW VIEWPOINT LOOKING SOUTH

IO3 Task
200' L x 133' W x 30'
Deep Concrete Tank

Install sewer main and shared bike/pedestrian trail

IO3 Facility Project Work

IO3 Control Facility at Buckeye/Nettleton

- Limited lane closures anticipated on TJ Meenach Drive & N. Cochran Street for sewer line installation & pavement patching
- N. Cochran Street may be closed with local access during sewer construction
- 12 month duration (entire project)
- Beginning Spring 2016 - anticipated start in April or May
- Nettleton Street from Buckeye to York may be closed with local access only

Questions?

Contact:
Cindy Kinzer at 509-625-6700
c.kinzer@spokanecity.org
or
Julie Happy at 509-625-7773
j.happy@spokanecity.org

Website for more CSO Information:
http://www.spokanewastewater.org