Council Meeting
Water Contract 1204
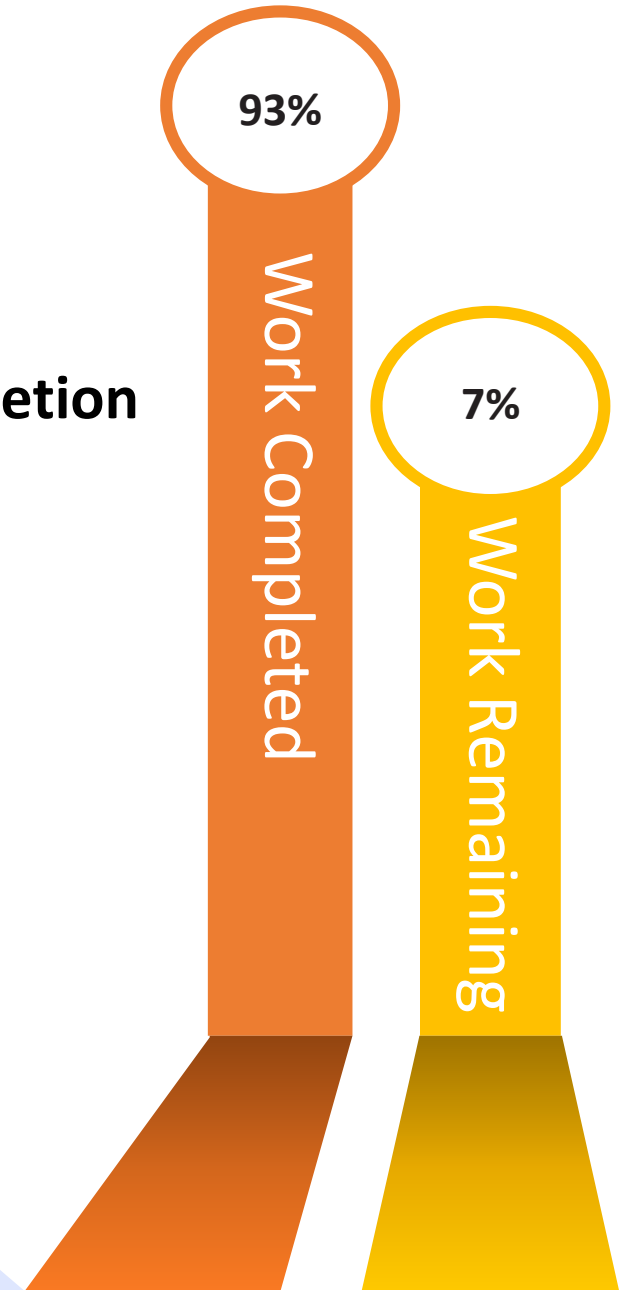## Druid Lake Finished Water Tanks

October 19, 2022

Project Status

- **Project began: Spring 2017**

- **Days Used: 2,018 CCD**

- **Project Budget: $134,487,493.00**

- **Work Completed: 93%**

- **Contractor's Projected Completion Date: 1/7/2024**

Project Completion Status

93%

Work Completed

7%

Work Remaining

Current Ongoing Work

- ➤ **Tank work completed: 95%**
  - • 1 – 30 MG Tank
  - • 1 – 16 MG Tank

- ➤ **Access structures and vents completed: 20%**

Tank 1 & 2 with backfill (aerial view) – 10/5/2022

Current Ongoing Work

➤ **Pipe work completed: 85%**

➤ **Blasting of Alignment "A" completed: 100%**

Installation of 30" water line (aerial view) – 3/23/2022

Current Ongoing Work

- ➢ **Installation of large diameter water pipe**
- ➢ **Welding of pipe joints**
- ➢ **Installation of 4 inch & 8 inch water pipe**
- ➢ **Maintain Erosion & Sediment Controls**

Alignment "A" – 72" pipe installation – 9/7/2022

Upcoming Work

➢ **Install electrical ductbanks**

➢ **Install instrumentation and controls**

➢ **Test installed pipe**

➢ **Complete tie-ins to bring the tanks online**

➢ **Install lake aeration system**

➢ **Reestablish Jones Fall Trail around Lake**

➢ **Restoration & full reopening of Druid Park Drive: December 31, 2022**

Location of water main tie-ins (aerial view) – 9/7/2022

Ongoing/Planned Improvements/Investments in the Area

- **WC1257 Falls Road and Vicinity Water Main Replacement**
    - **NTP: 4/18/22**
    - **Projected Completion Date: 9/24/24**

- **WC1227 Vernon Pump Station**
    - **NTP: Not in construction**
    - **Projected Completion Date: Not in construction**

Park Amenities

- Provides new curvilinear shoreline to mimic current shoreline and maintains lake to maximum extent possible

- Provides new open welcoming area on top of new tanks, creating an additional 14 acres of usable park space unified by turf, with irrigation system

- New site lighting around tanks and new pathways

- Provides path near lake edge for pedestrians and cyclists

- Widens path at southwest corner of lake near Druid Park Lake Drive

- Provides podium for future band shell by BCRP

- Maintain lake level and provide lake aeration system to provide water quality sufficient to support aquatic life

- Preserves mature trees around lake

- Protects monuments, pavilions and statues

- Relocation of Tsunami memorial trees (10) within park

New Shoreline Mimics Existing

New Open Park Space atop Tanks

Park Amenities

New Landscaping, Lighting, Paths and Walls

Coordination with Recs & Parks – Druid Park Vision Plan

➢ **Key park features to be installed under this contract: Pavilion, amphitheater, stone border walls, and park trails**

➢ **OEC continues to meet with Recs & Parks to discuss possible coordination of site grading and stormwater facilities between the two projects**

➢ **No impacts to park. Park remains open to public.**

Completion of park recreation facilities to be done under R&P Contract

Druid Lake Turbidity Impact

- **10/31/17- Turbidity curtains in place; cofferdam installation began**

- **11/01/17- Cofferdam installation shut down due to turbidity problems**

- **11/01/17- 12/18/18- Efforts to maintain the lake while installing the cofferdam prove to be futile. Decision is made to take the lake temporarily offline and cofferdam is installed.**

- **2/12/19- After being unable to revive the lake with a pump and fill operation, the lake is fully drained to the extent possible using the existing lake drain**

- **3/19/19- Lake is restored and brought back online in accordance with strict MDE testing guidelines.**

- **Water Quality Testing: Daily – Chlorine, Turbidity, Temperature, pH. Weekly: E. Coli**

Community Meetings Held During Design Phase – Community Input

- **6/17/14- "Fountain Advisory Group"- a group selected to represent the Reservoir Hill community in discussions about a future fountain.**

- **10/9/14-Public meeting**

- **4/28/15- Public meeting (~60% design)**

- **6/2/15- Public meeting (both Druid and Ashburton tank projects were discussed)**

- **12/16/15- Public meeting (~100% design)**

- **11/9/15- Meeting with Councilman**

- **Construction Period – Quarterly Community Meetings (some interruption due to Covid)**