



Pikes Peak Reservoir and Pump Station Project

Pikes Peak Reservoir and Pump Station Project Siting and Public Involvement Process

Bellevue City Council Briefing
November 6, 2017

*Presenter: Andrew Lee, Utilities
Deputy Director*





Pikes Peak Reservoir and Pump Station Project

Agenda

- Project Background
- Public Outreach
- Alternatives Evaluation
- Projects Moving Forward
- Next Steps





Project Drivers

- Seismic deficiencies
- Fire flow storage
- Operating standards

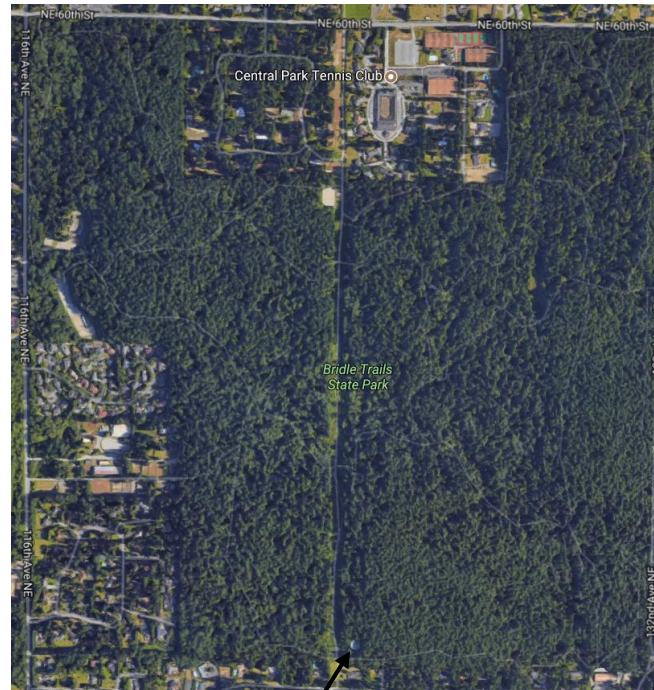
Shared interests

- Minimize impacts
- Protect community asset
- Safe and reliable water





Pikes Peak Reservoir and Pump Station Project



Pikes Peak reservoir
and pump station site

Existing reservoir and pump
station facilities constructed
in 1968.



Public Outreach / Community Advisory Group (CAG)

- Core group of representatives from:
 - *Bridle Trails Community Club*
 - *Bridle Trails Park Foundation*
 - *Lake Washington Saddle Club*
 - *Washington State Parks*
 - *Pikes Peak and Cherry Crest neighbors*
- Transparent, collaborative, positive, open
- Main concerns:
 - *minimize impacts to park*
 - *limit physical footprint*
 - *limit reservoir height*





Public Outreach Summary

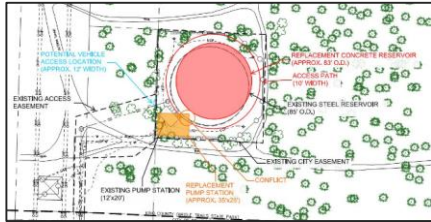
- Six CAG meetings *Dec 2016—Aug 2017*
- CAG site visit *Feb 2017*
- Public open house *Jun 2017*
- Public online comment period *Jun 2017*



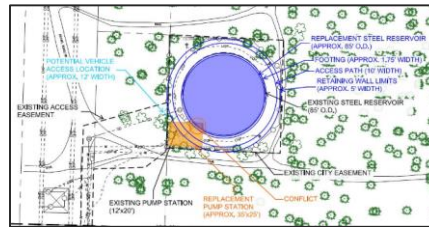


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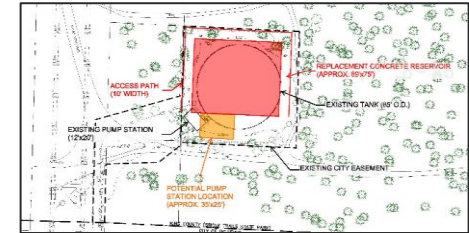
Project Team and CAG Evaluated Many Preliminary Options:



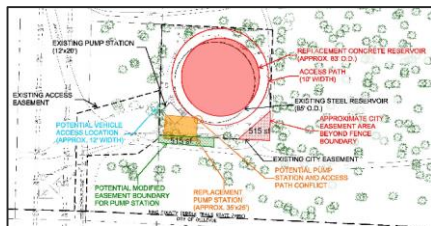
Round, pre-stressed
concrete



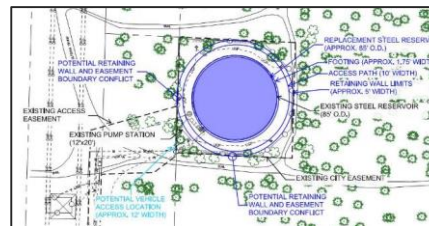
Round, steel



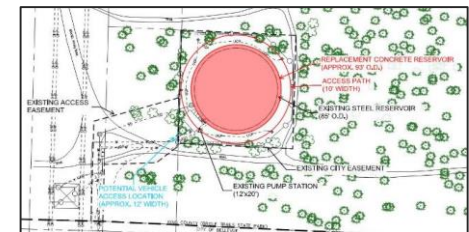
Rectangular, concrete



Round, pre-stressed
concrete
(modified easement)



Round, steel
(pump station offsite)



Round, pre-stressed
concrete
(pump station offsite)



Pikes Peak Reservoir and Pump Station Project

Final Alternatives To Be Evaluated

Alternative A

Rectangular reinforced concrete reservoir, pump station.



Alternative B

Circular prestressed concrete reservoir, pump station, modified easement



Alternative C

Circular prestressed concrete reservoir, pump station at Cherry Crest



Alternative D

Circular steel reservoir, pump station at Cherry Crest





Final Alternatives Evaluation Criteria

Financial

- Minimize initial capital costs
- Minimize life cycle costs

Environmental

Examples:

- Minimize tree removal
- Minimize area of land disturbed
- Minimize noise impacts

Social

Examples:

- Minimize trail impacts
- Minimize construction traffic impacts
- Minimize O&M reqmts. (fewer visits)



Pikes Peak Reservoir and Pump Station Project

Selected Alternative

Alternative A

Rectangular reinforced concrete reservoir, pump station.



Alternative B

Circular prestressed concrete reservoir, pump station, modified easement



SELECTED Alternative C

Circular prestressed concrete reservoir, pump station at Cherry Crest



Alternative D

Circular steel reservoir, pump station at Cherry Crest





Alternative C – **SELECTED**

Circular prestressed concrete reservoir, pump station at Cherry Crest:



- *Within existing easement/fence area*
- *No modifications to existing trails*
- *Minimal removal of existing trees*
- *No pump station at reservoir site (fewer visits)*
- *Concrete reservoir (no painting)*





Three projects moving forward:

- **Cherry Crest Pump Station Replacement**
 - *Design: 2017 – 2018*
 - *Construction: 2019 – 2020*
- **Offsite Water Main Replacement**
 - *Design: 2017-2018*
 - *Construction: 2019-2020*
- **Pikes Peak Reservoir Replacement**
 - *Design: 2017 – 2019*
 - *Construction: 2020 – 2021*



*Public outreach process
will continue throughout
design and construction.*



Community Advisory Group

- **Bridle Trails Community Club**
 - *Alice Prince*
 - *Loretta Lopez*
- **Lake Washington Saddle Club**
 - *Jennifer Duncan*
 - *Suzanne Kagen*
- **Bridle Trails Park Foundation**
 - *Jim Erckmann*
- **Washington State Parks**
 - *Steve Brand*
 - *Richard Benson*
- **Pikes Peak residents**
 - *Kelly Losse*
 - *Jay Bergevin*
- **Cherry Crest resident**
 - *Terre Olson*

