

Baltimore City Department of Public Works

Covered Reservoir Project Druid Lake

October 21, 2013

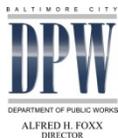


EPA Consent Order Requirements

- Long Term 2 Enhanced Surface Water Treatment Rule (LT2ESWTR) Promulgated by EPA in January 2006
- To comply with **EPA's Long Term 2 Enhanced Surface Water Treatment Rule**, all existing open finished drinking water storage facilities are supposed to be covered or have supplemental treatment to achieve specified water quality standards



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Covered Storage

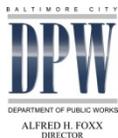
- Simple operations
- Improves water system security
- Future regulations likely to require covered storage
- Opportunities for operational enhancements
- Lower energy requirements
- Maintain historic integrity of parks
- Opportunity to enhance parks around covered storage tanks
- Maintain lakes as resource for the community
- Opportunity for win-win using covered storage



Existing Pikesville Covered Reservoir



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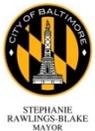
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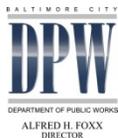
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Druid Lake

- **Provides water to City's First and Second Zones**
- Part of a well-used recreation system
- A visual resource for the community



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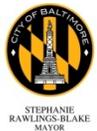
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Considerations For Site

- Maintain historic integrity of park
- Close to existing water lines
- Ground elevation suitable for required water level needed for utility operations
- Avoid impact to dam embankment at east end of lake
- Safe & Efficient access from main roads
- Opportunity to enhance park around tank



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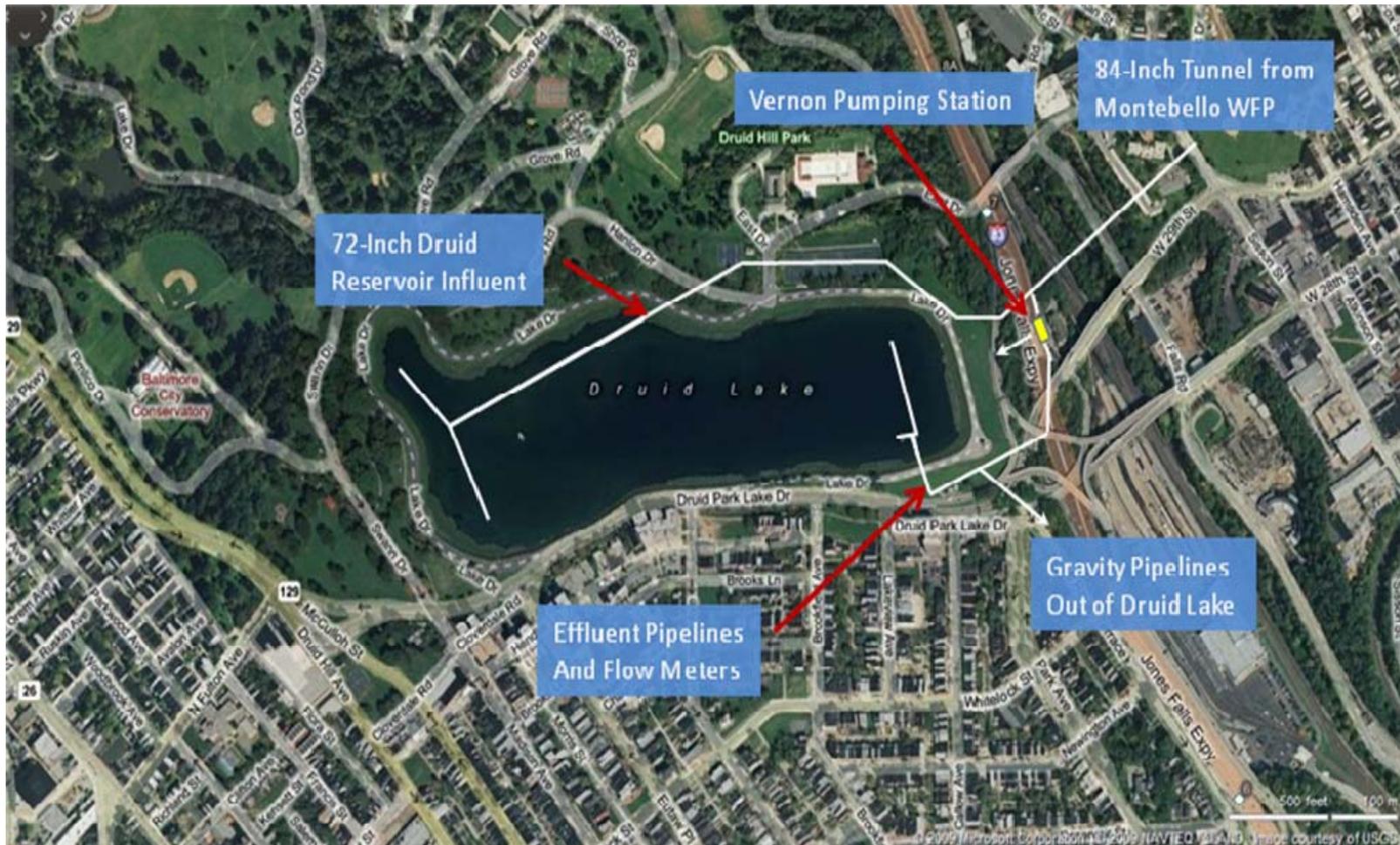


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Existing Major Piping



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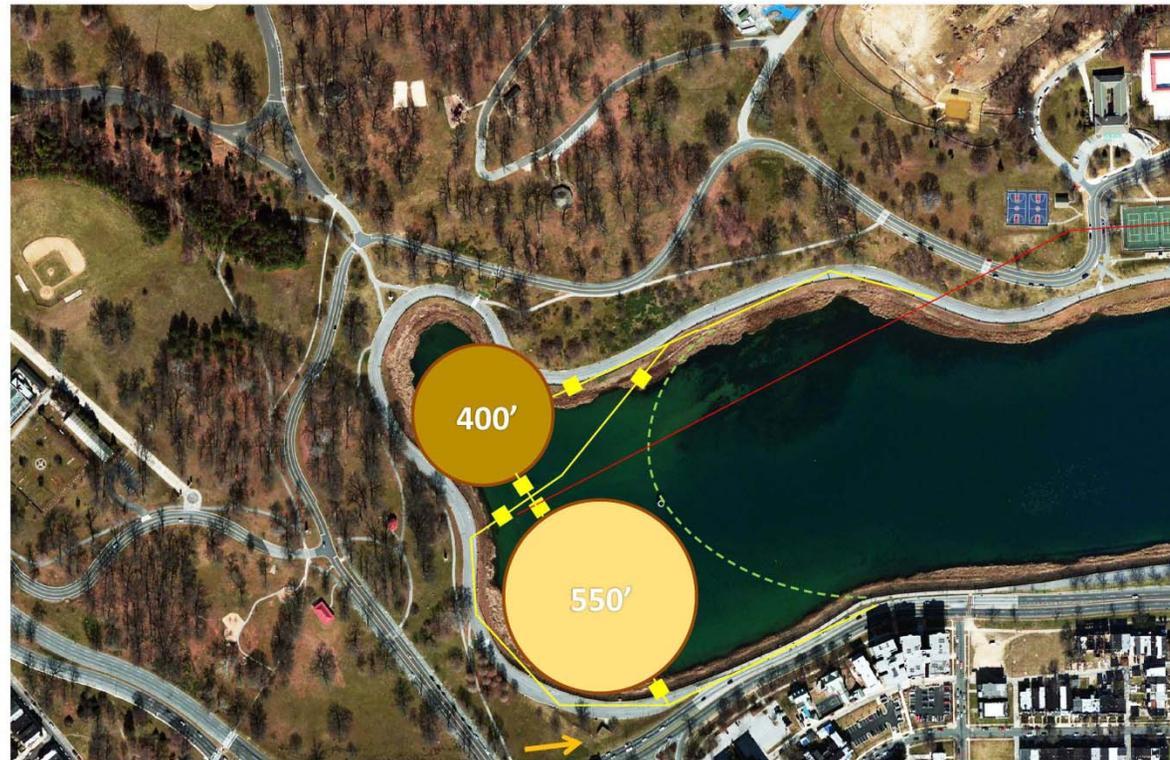
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Project Concept

- Developed in cooperation with Baltimore City Recreation & Parks



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Druid Master Plan



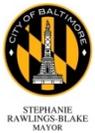
DRUID HILL PARK RECREATION LAKE ILLUSTRATIVE MASTER PLAN

BALTIMORE CITY
RECREATION & PARKS

MAHAN RYKIEL
ASSOCIATES, INC.

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Druid Lake Concept



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Design Goals

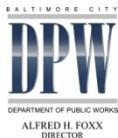
- Maintain historic integrity of the park
- New facilities' presence in the park:
 - Keep storage tanks below ground surface
- Community input:
 - Update community throughout design
- Public space:
 - Provide overlook at lake
 - Renovate fountain at Druid Lake
 - Enhance walkways at new tanks
 - Possible future public access to lake



Druid Lake



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