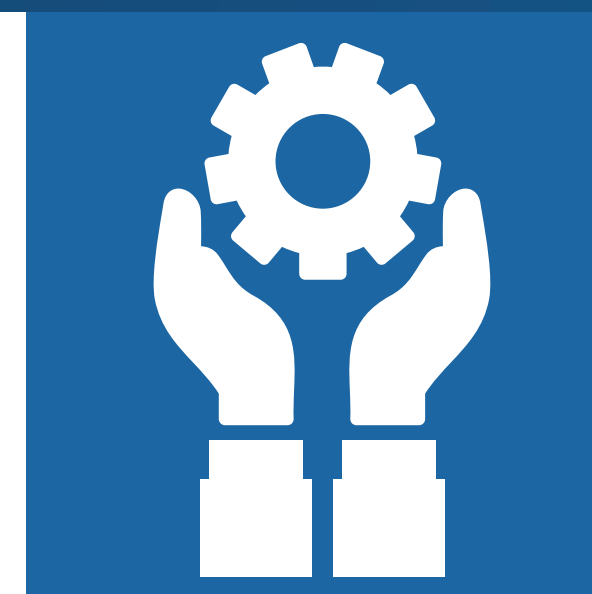
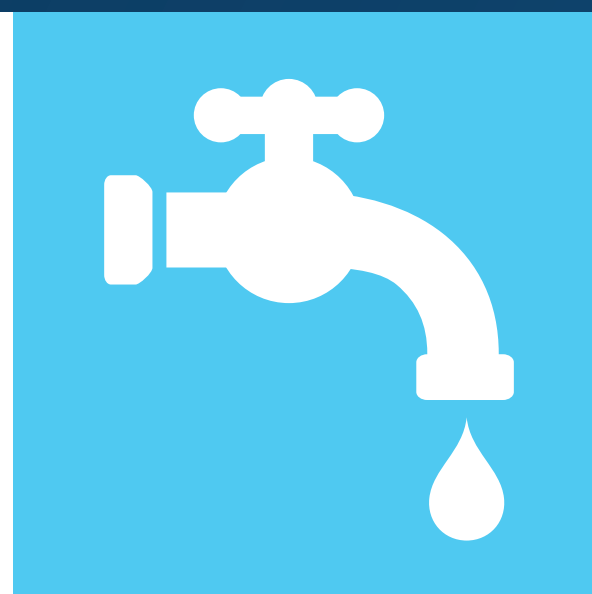
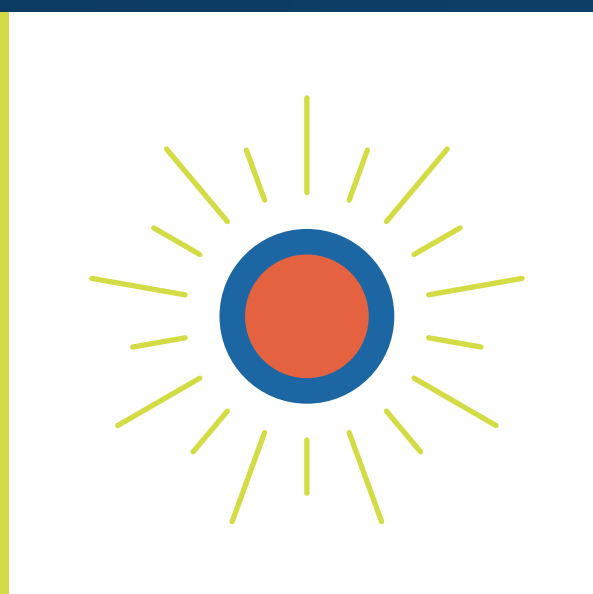
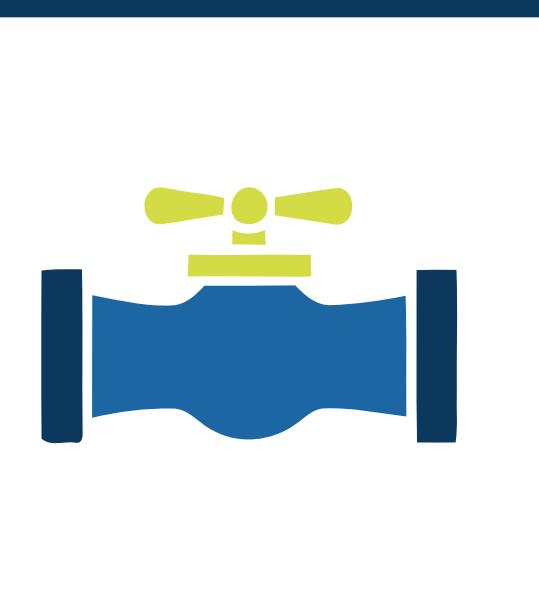
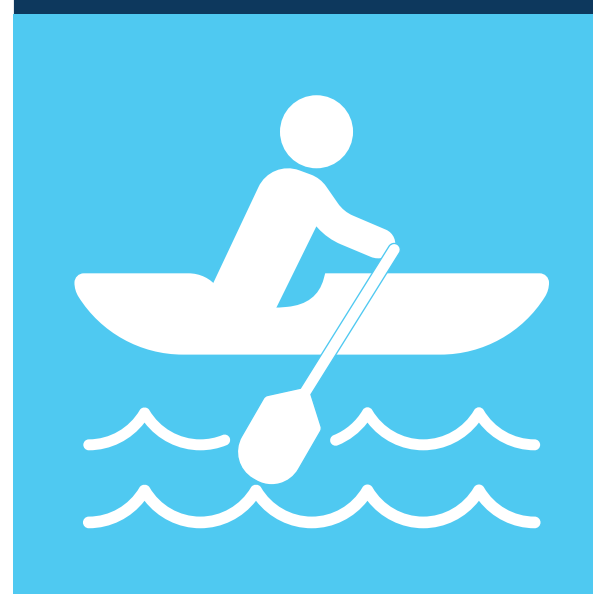


Jordan Lake
Water Supply Program



WELCOME

Community Open House



Water Intake to Treatment Plant

The Water Intake and Treatment Plant are being designed to meet Partner needs through 2050 initially, and capable to be expanded to meet needs through 2070 and beyond. The Jordan Lake Water Supply Program is made up of several components, including:



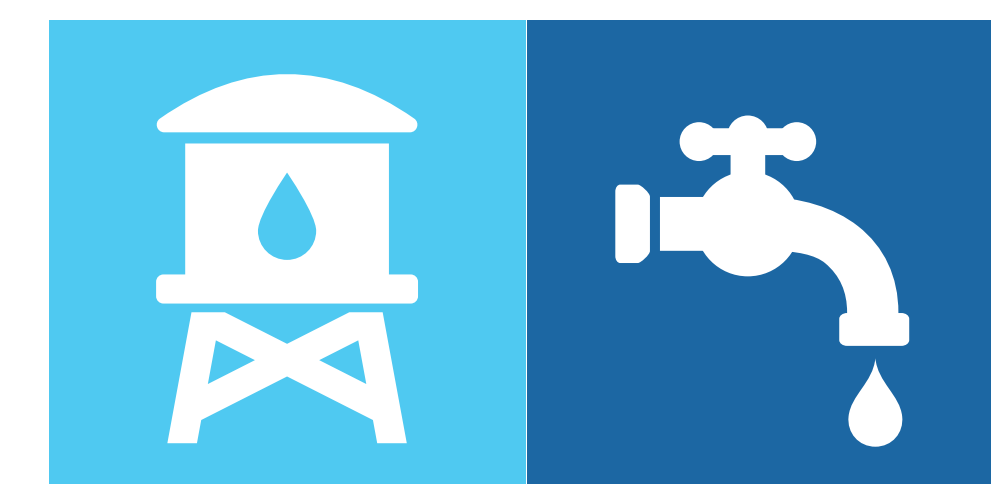
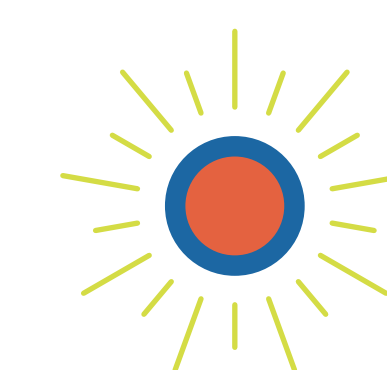
A new raw water intake on the west side of Jordan Lake



A raw water supply pipeline and pump station to transport water from intake to treatment plant and a transmission main to deliver drinking water to the distribution system



A water treatment plant



Jordan Lake Water Supply Program

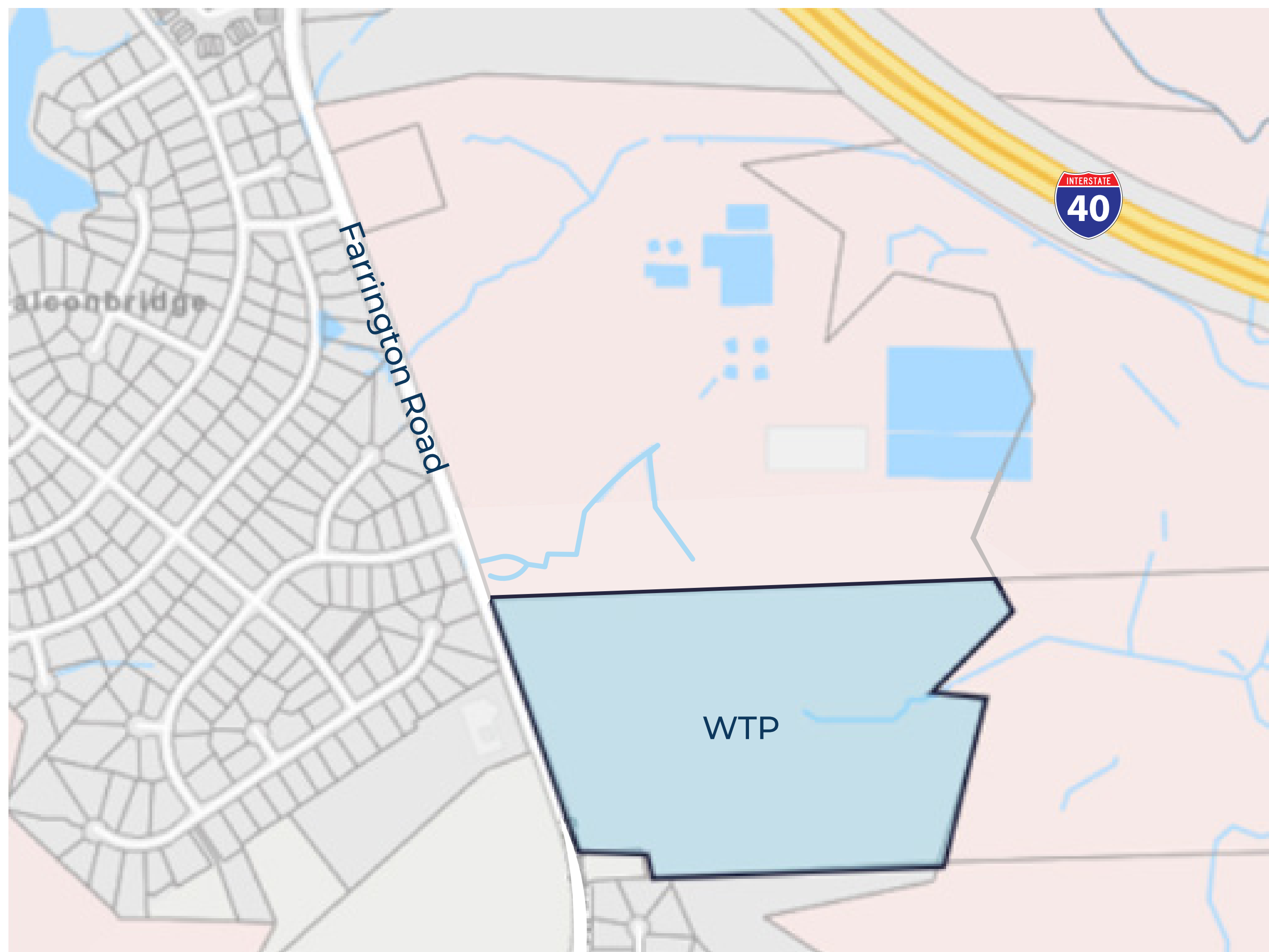


Water Intake to Treatment Plant

Proposed Water Treatment Plant

The proposed Water Treatment Plant, now planned to be located in Durham along Farrington Road, would include structures for the treatment process (pipeline and treatment plant), as well as:

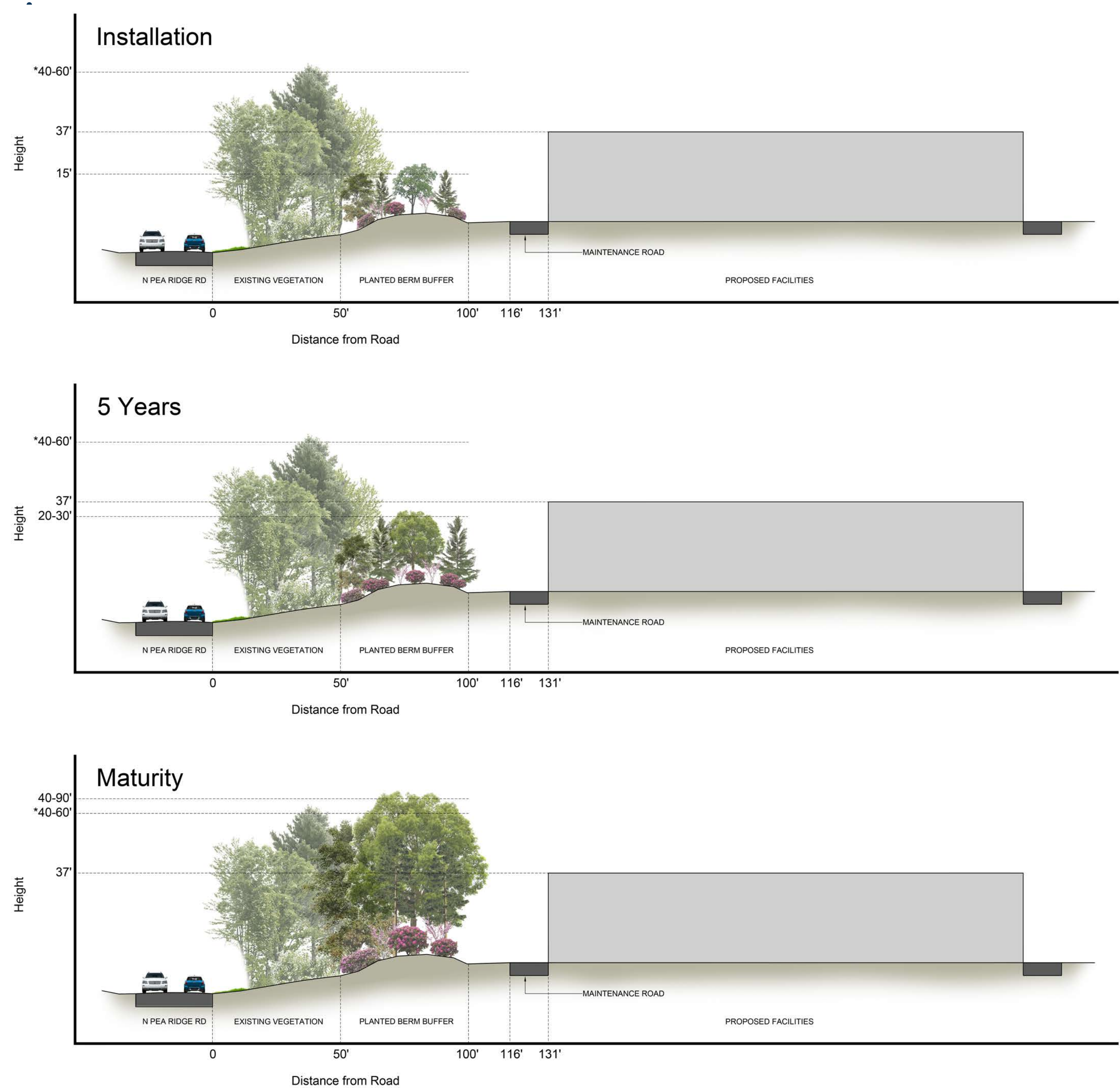
- Administration Building
- Maintenance Building
- Electrical building and generators for backup power
- Lighting, parking, and fencing



Map of the proposed WTP along Farrington Road in Durham, NC.

Vegetation Buffer Plans

The Treatment Plant design will seek to minimize impacts on neighbors by use of vegetated buffers. Below, you can see how these buffers along Farrington Road would grow over



*Height estimate of existing vegetation to be confirmed

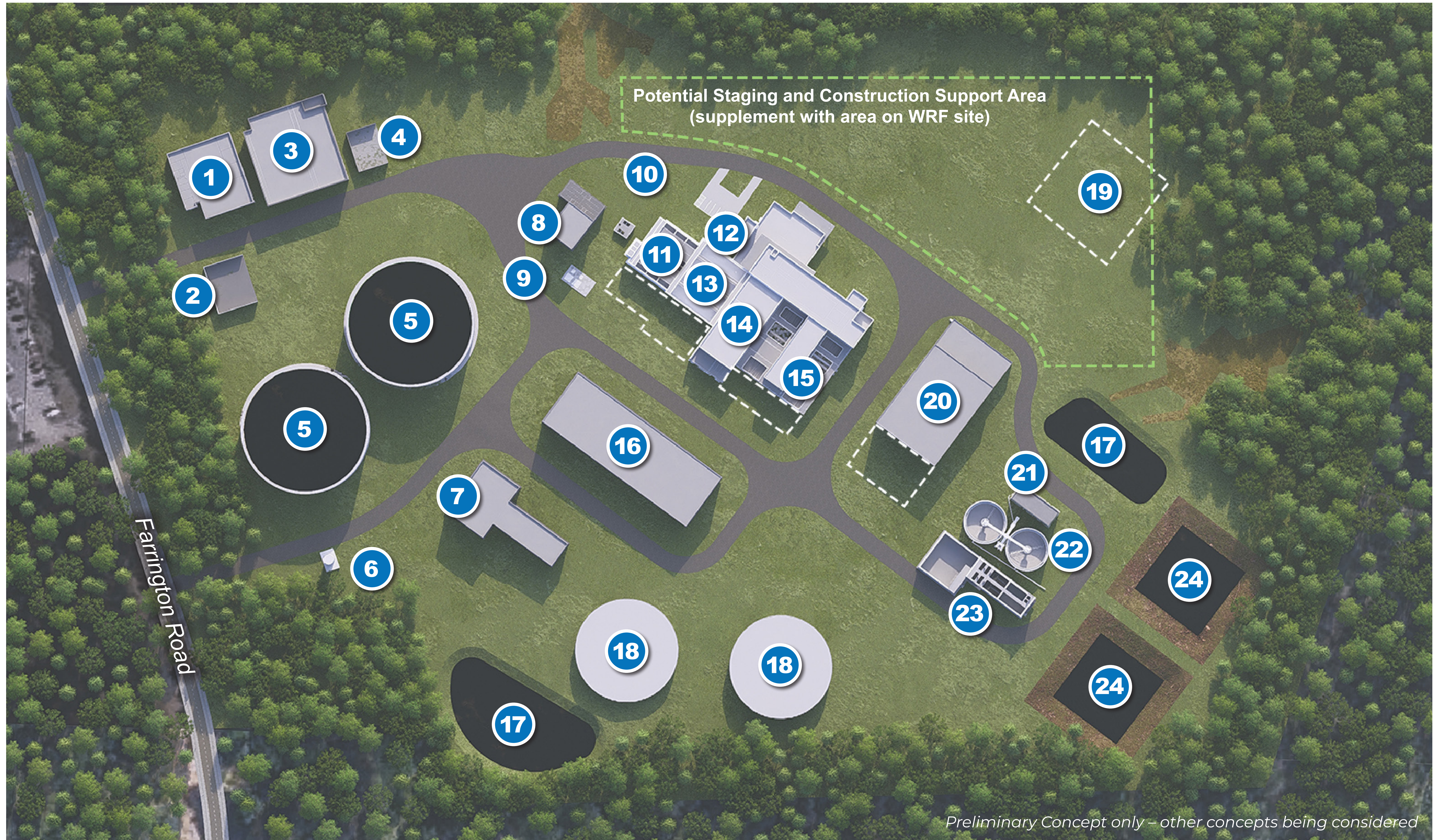
Jordan Lake Water Supply Program



Updates to the Program Status – WTP Preliminary Rendering

The City of Durham is now planning a new location along Farrington Road in Durham, NC for the proposed Water Treatment Plant (WTP).

The property along Seaforth Road near Pittsboro (former proposed WTP location) will continue to be part of the program, as the location for the WIP raw water pump station.

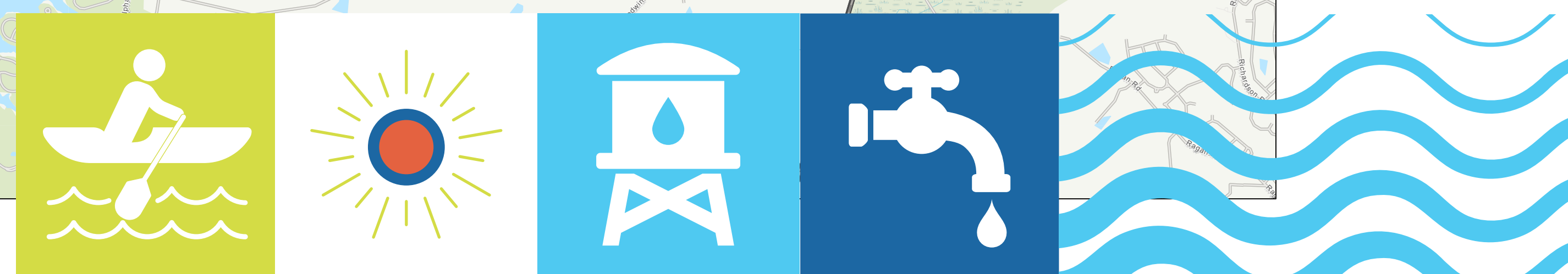
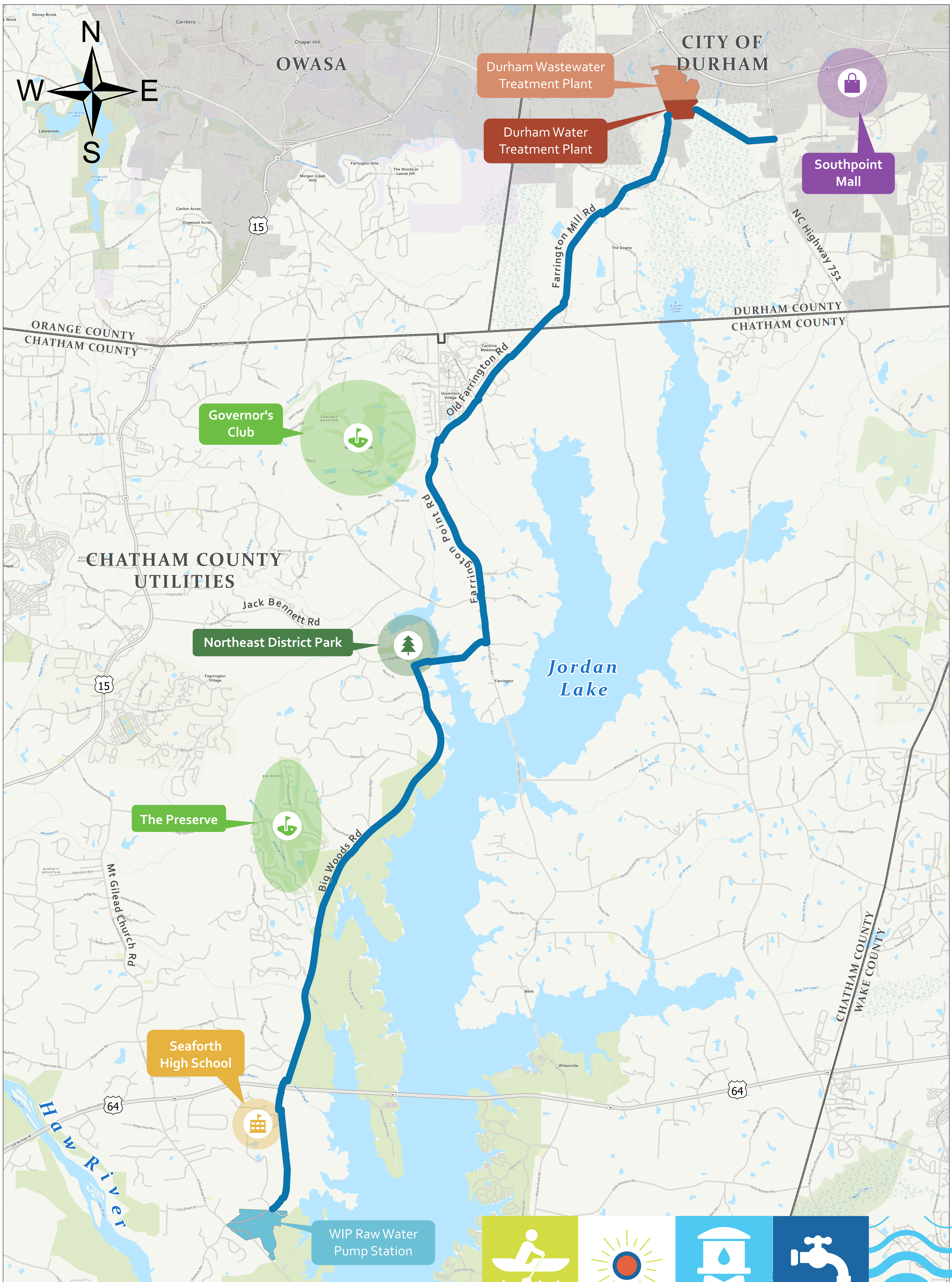


- | | | | |
|--|--|---|---|
| 1. Maintenance Building | 8. Raw Water Ozone Injection Building, Contactors, and Raw Water Control Vault | 14. Ozone Generators and Settled Water Contactors | 19. Future Advanced Treatment |
| 2. Electrical Substation | 9. LOX Storage | 15. Filters | 20. Advanced Treatment Building |
| 3. Electrical/Generators Building | 10. Optional Static Mixers Vault | 16. Chemical Building | 21. Thickened Solids Pump Station |
| 4. Fuel Storage for Generators | 11. Rapid Mix & Flocculation | 17. Stormwater Control Measure | 22. Gravity Thickeners |
| 5. 7.5 MG Raw Water Storage Tank | 12. Admin/Operations Building | 18. 4-MG Clearwell | 23. Backwash Reclamation and Recycle Facility |
| 6. PAC Silo | 13. Sedimentation with Plate Settlers | | 24. Emergency Storage Lagoon |
| 7. Finished Water Pump Station and Electrical Room | | | |

Jordan Lake Water Supply Program



Transmission Main Alignment



Transmission Main Construction

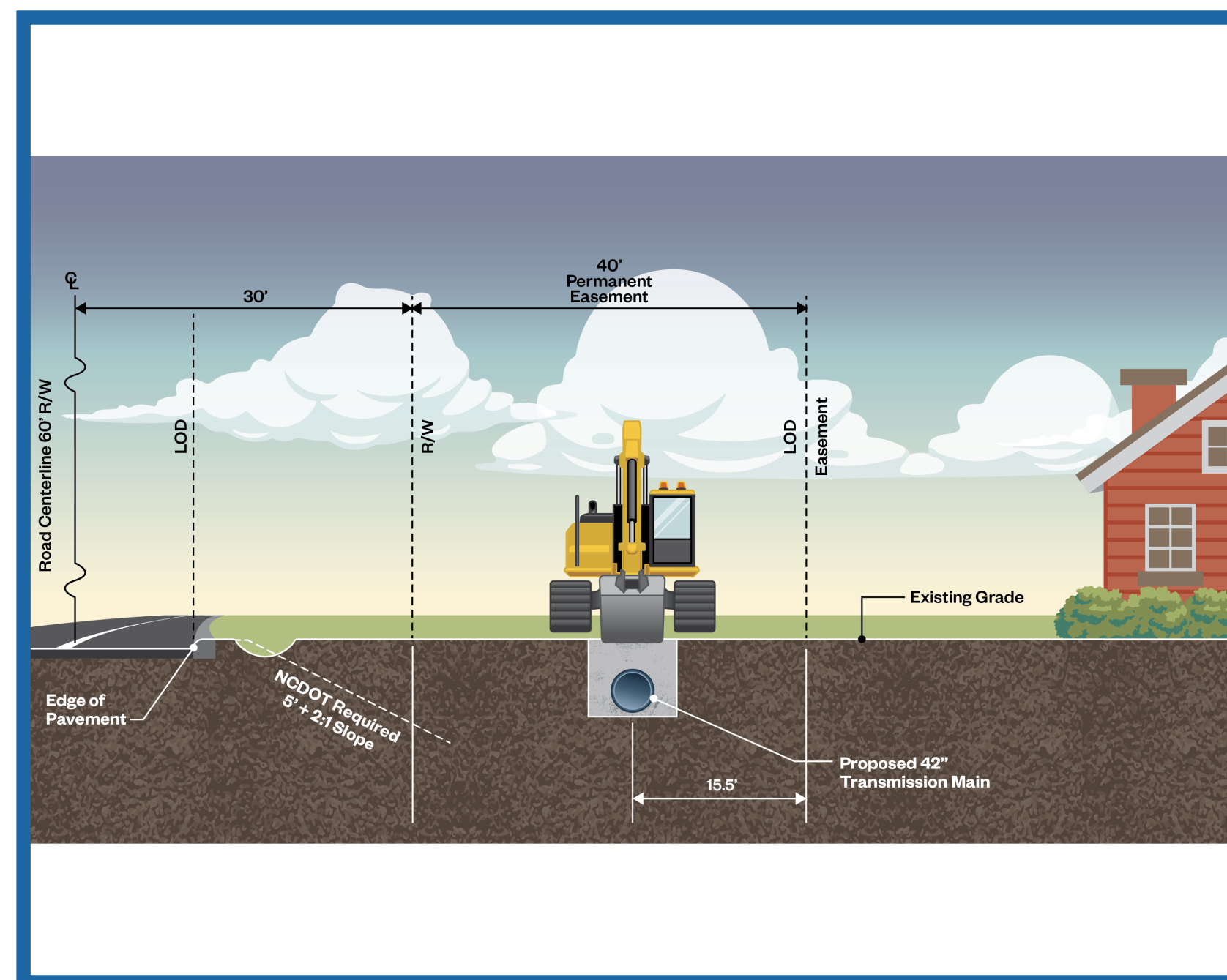
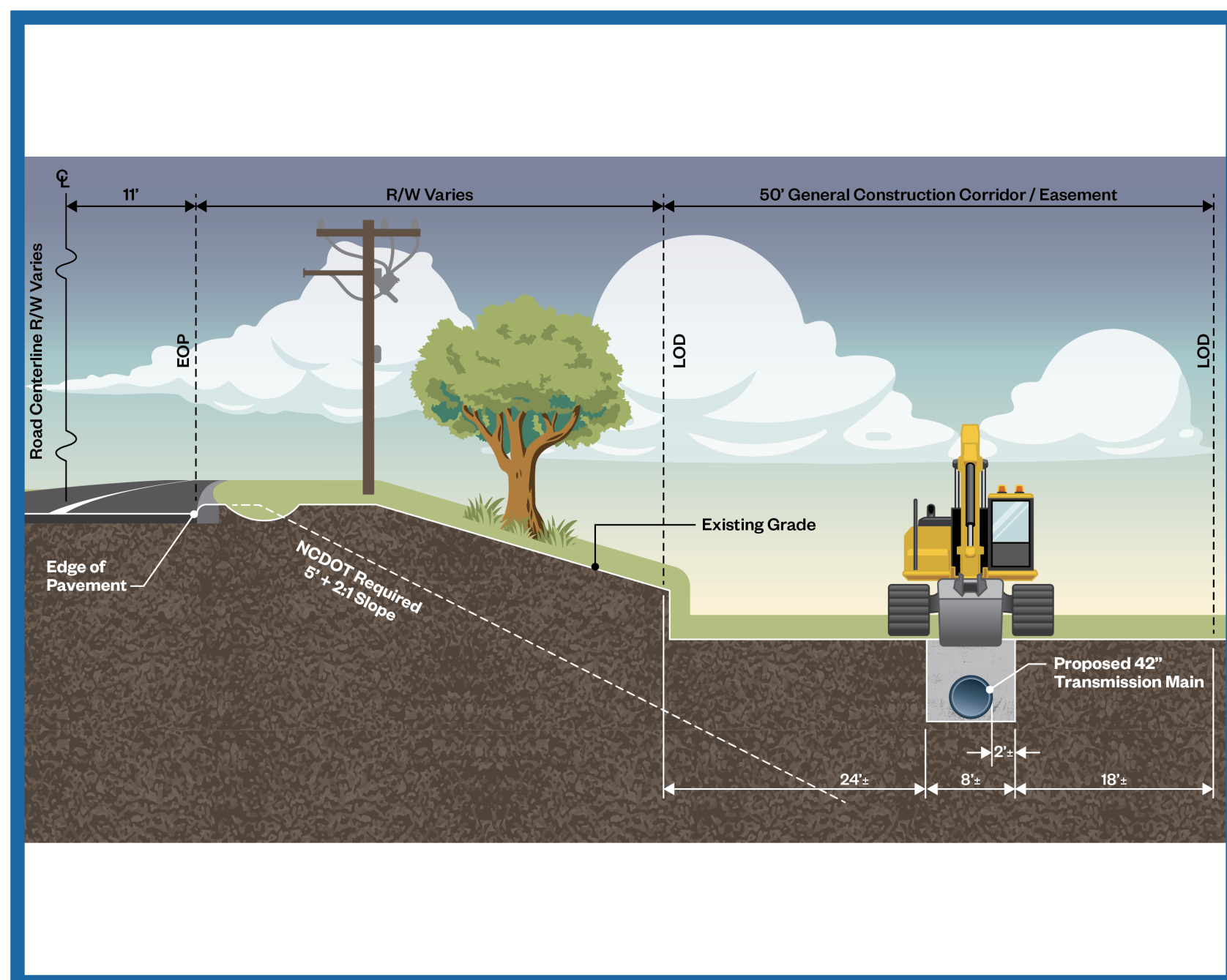
Construction will be in cleared corridors or adjacent to the right of way.



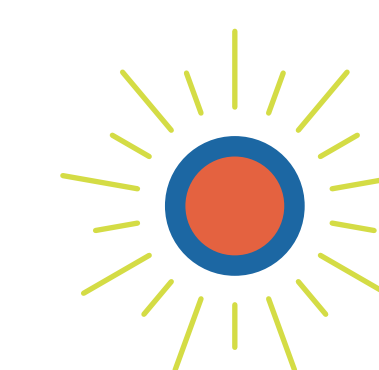
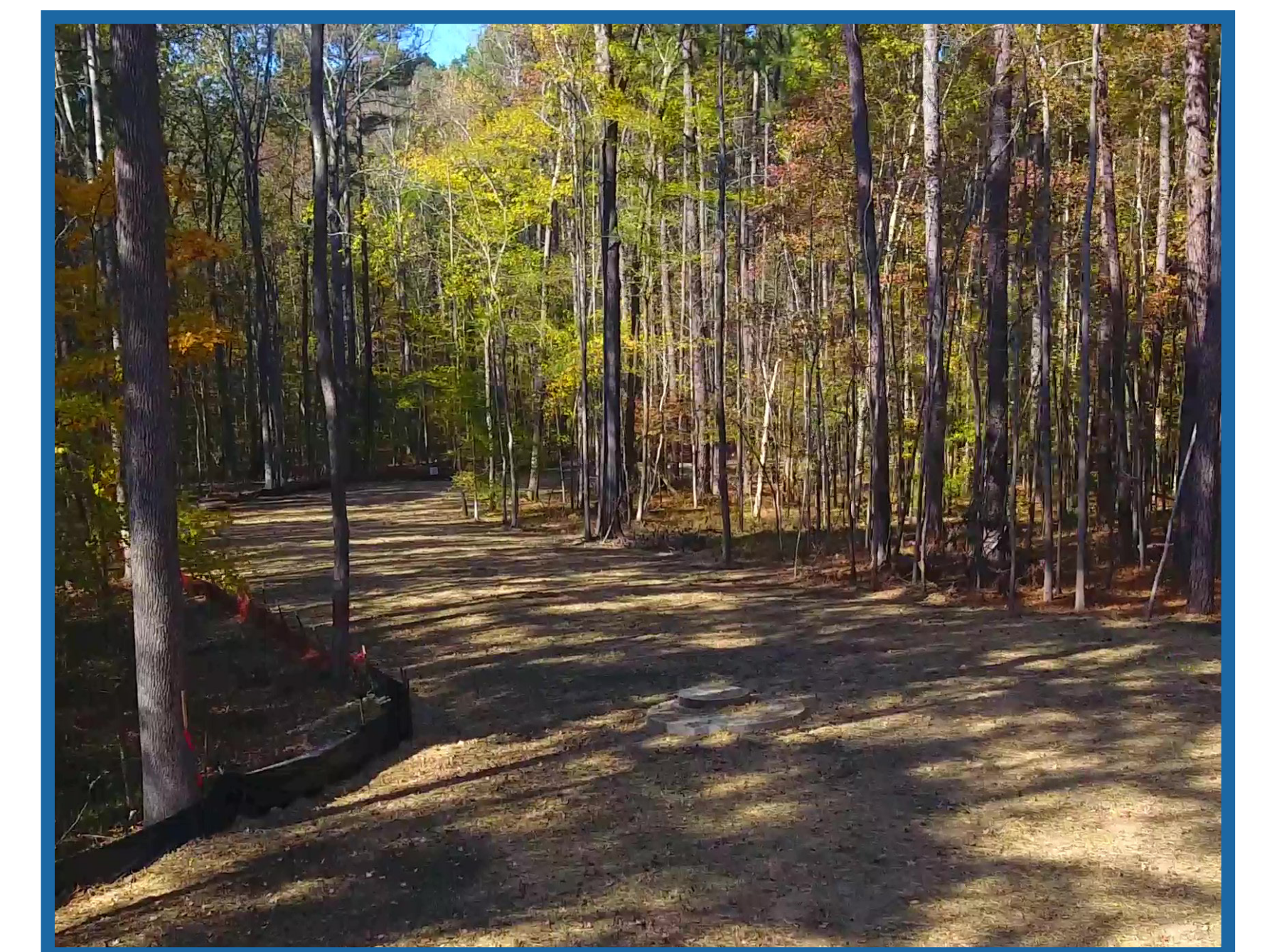
Restoration and temporary driveway repair will occur following pipe installation.



Easement width and location will vary along the pipe route.

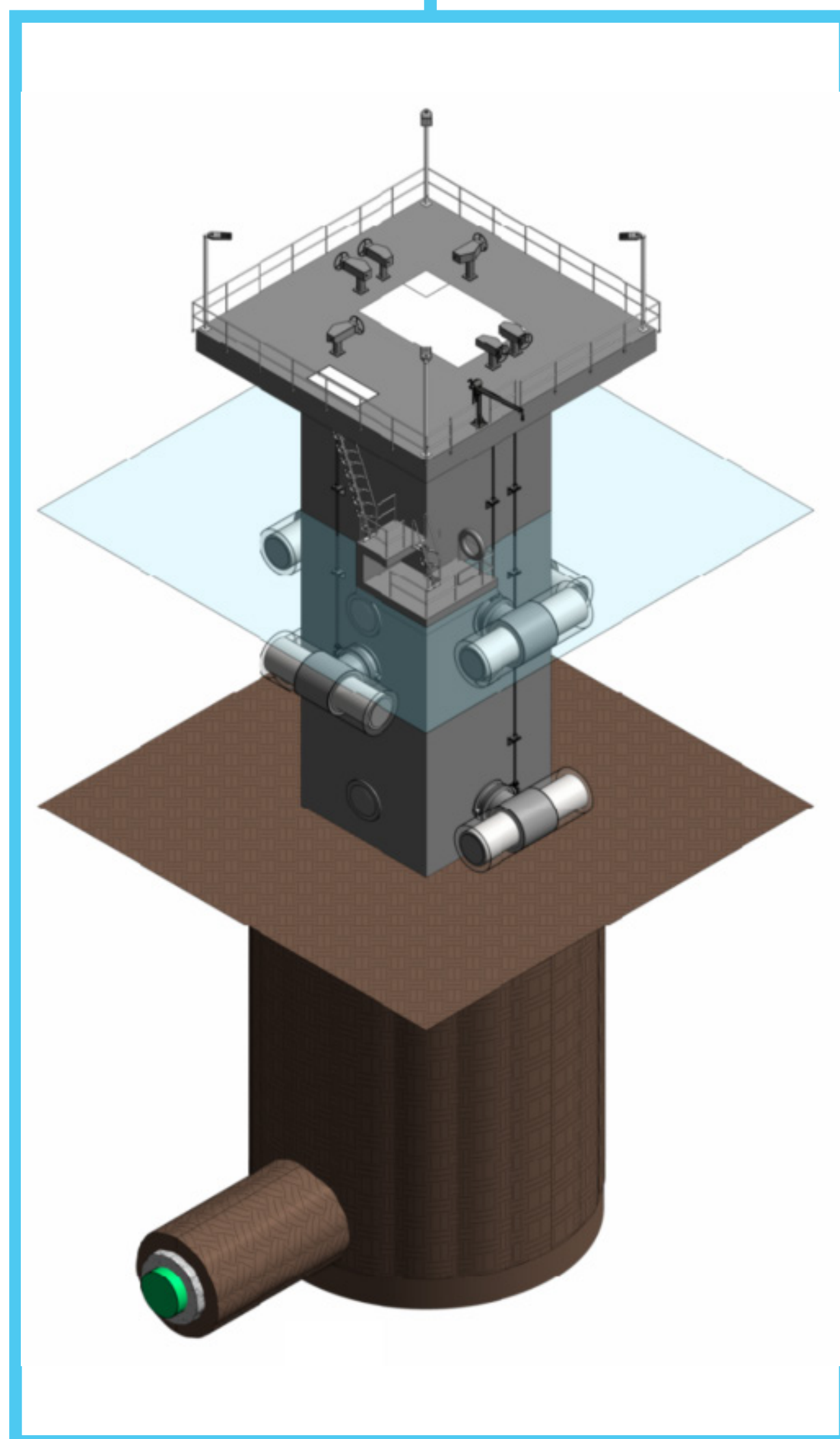


After construction, the corridor is stabilized and grass is allowed to grow.



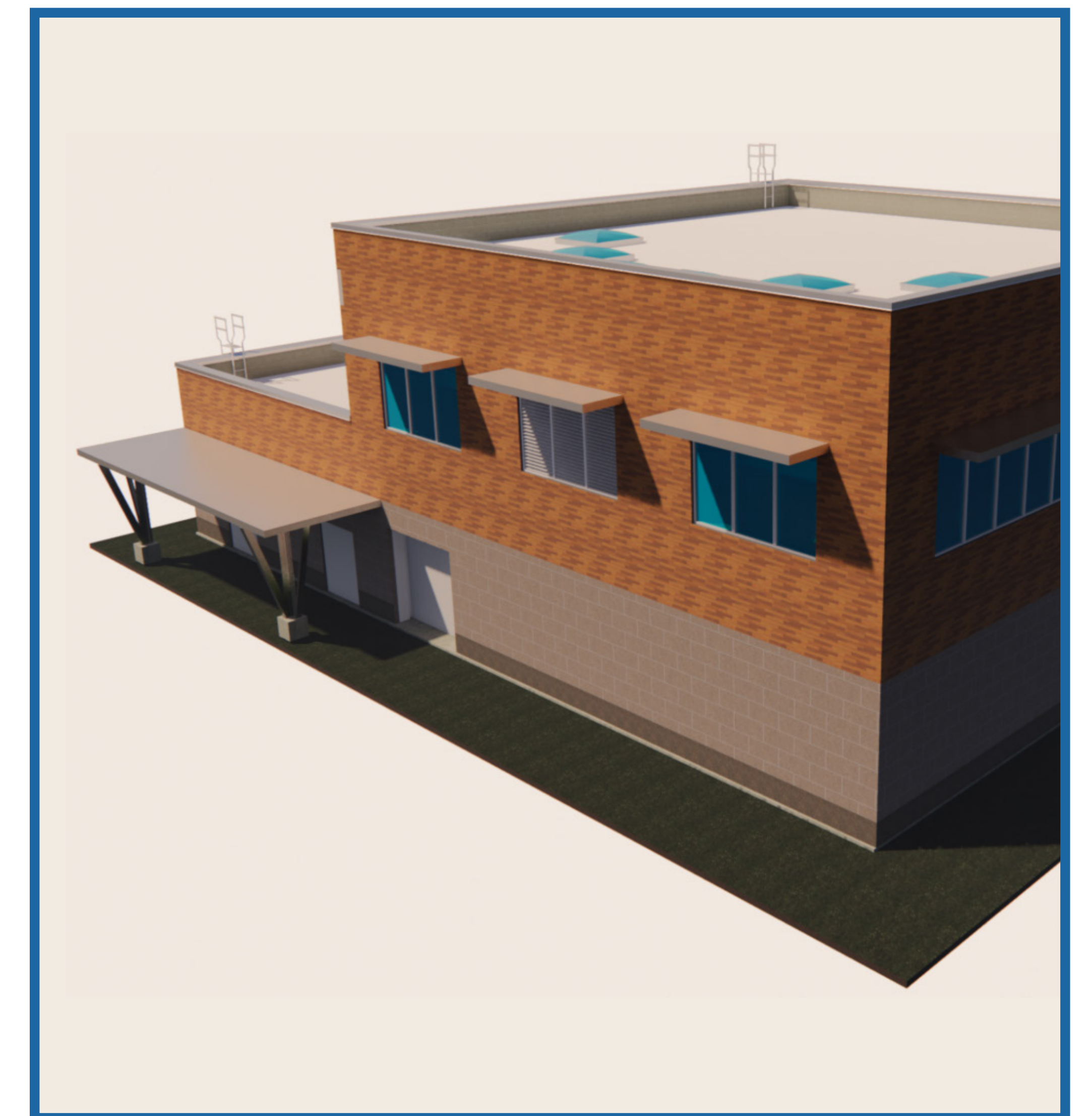
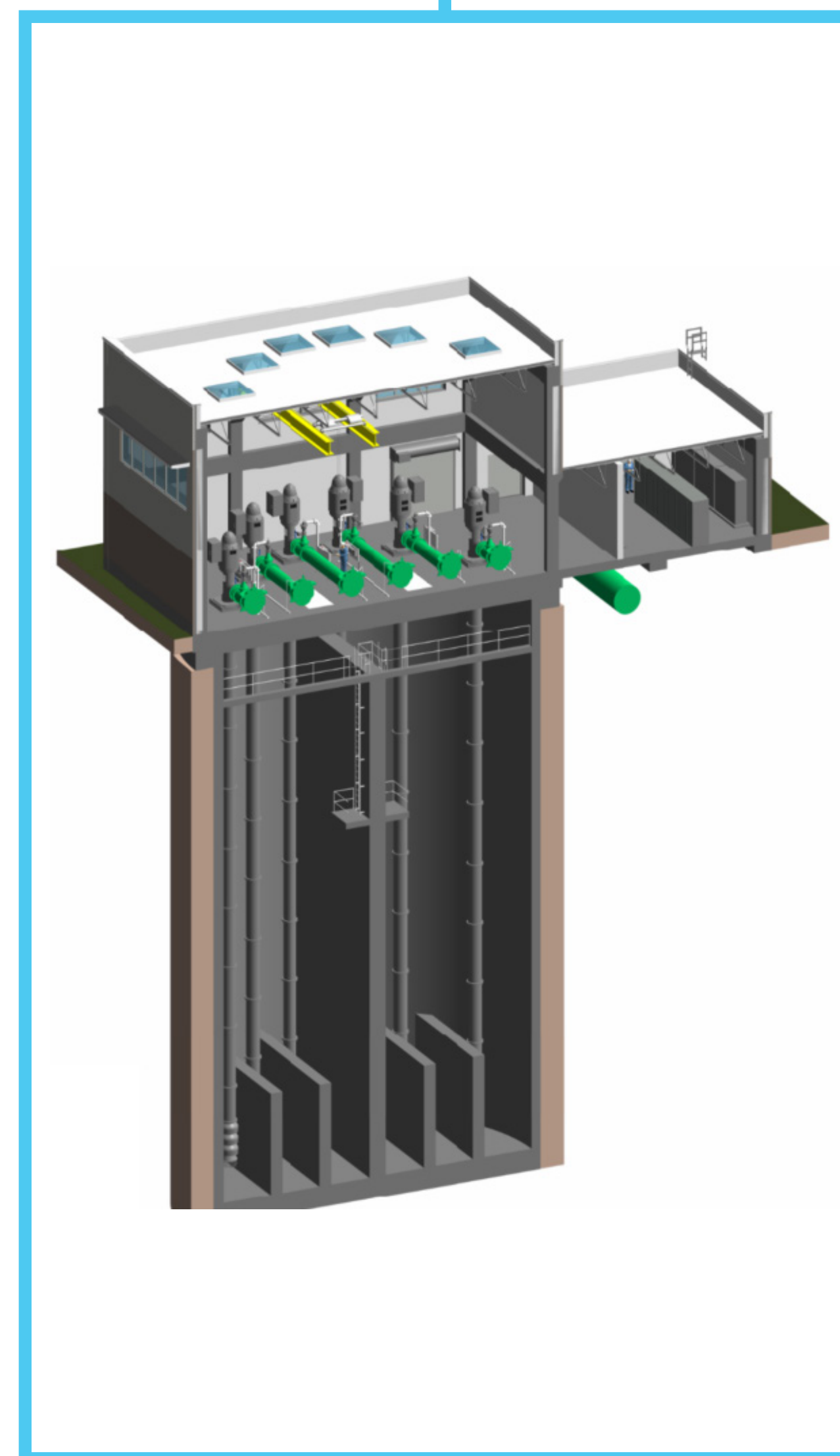
Raw Water Intake and Pump Station

Proposed Jordan Lake Intake Tower near Vista Point

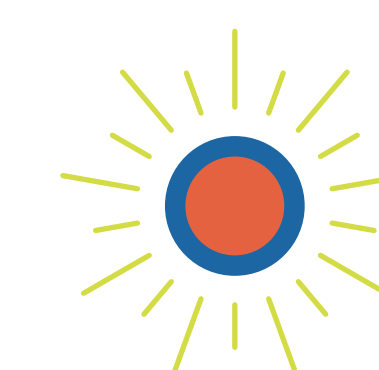


Similar Concept - Raleigh's Falls Lake Intake Tower

Proposed Raw Water Pump Station Interior View



Proposed Raw Water Pump Station Exterior View

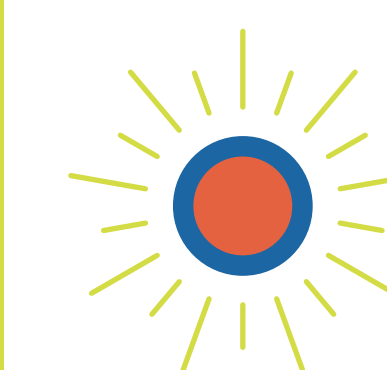
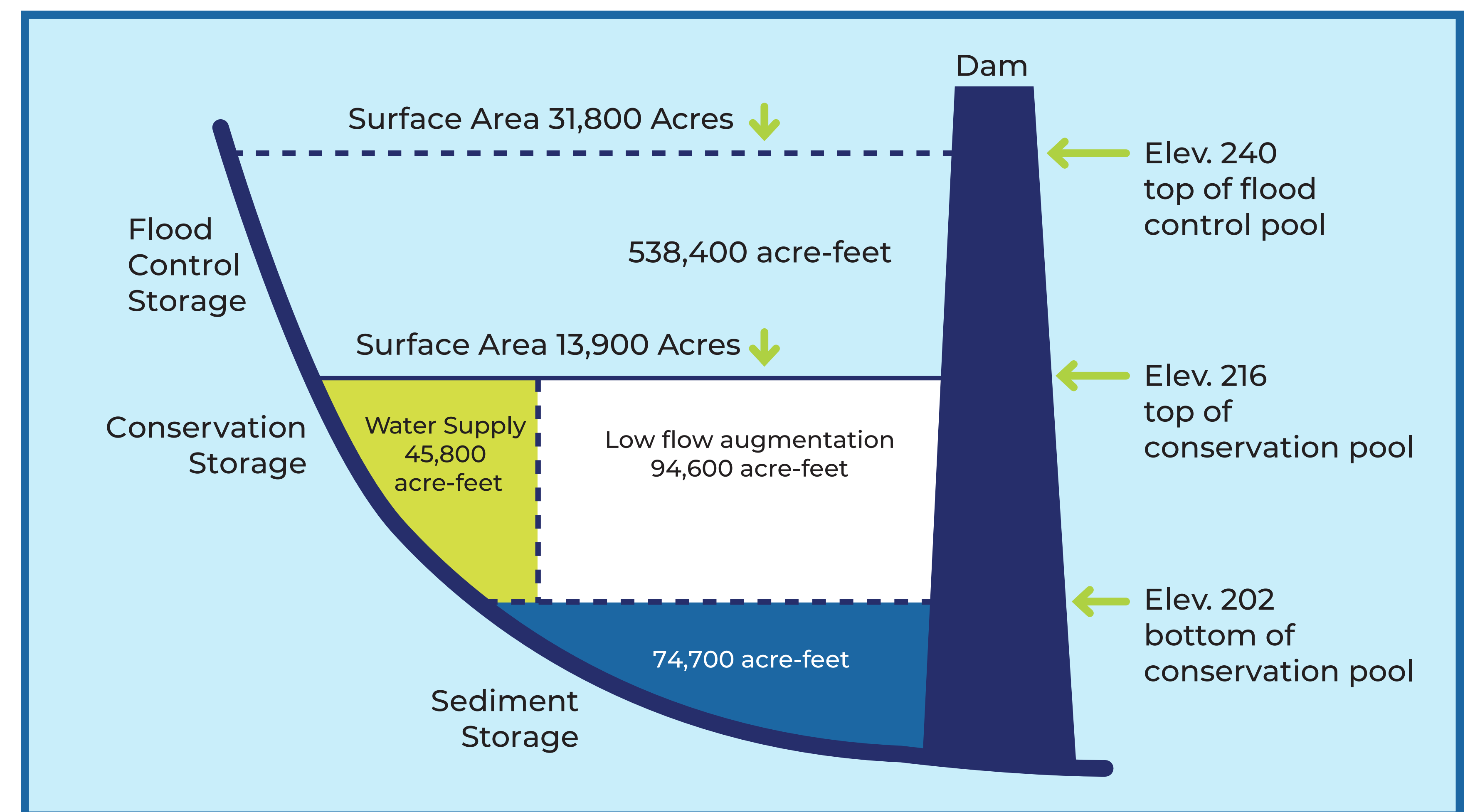
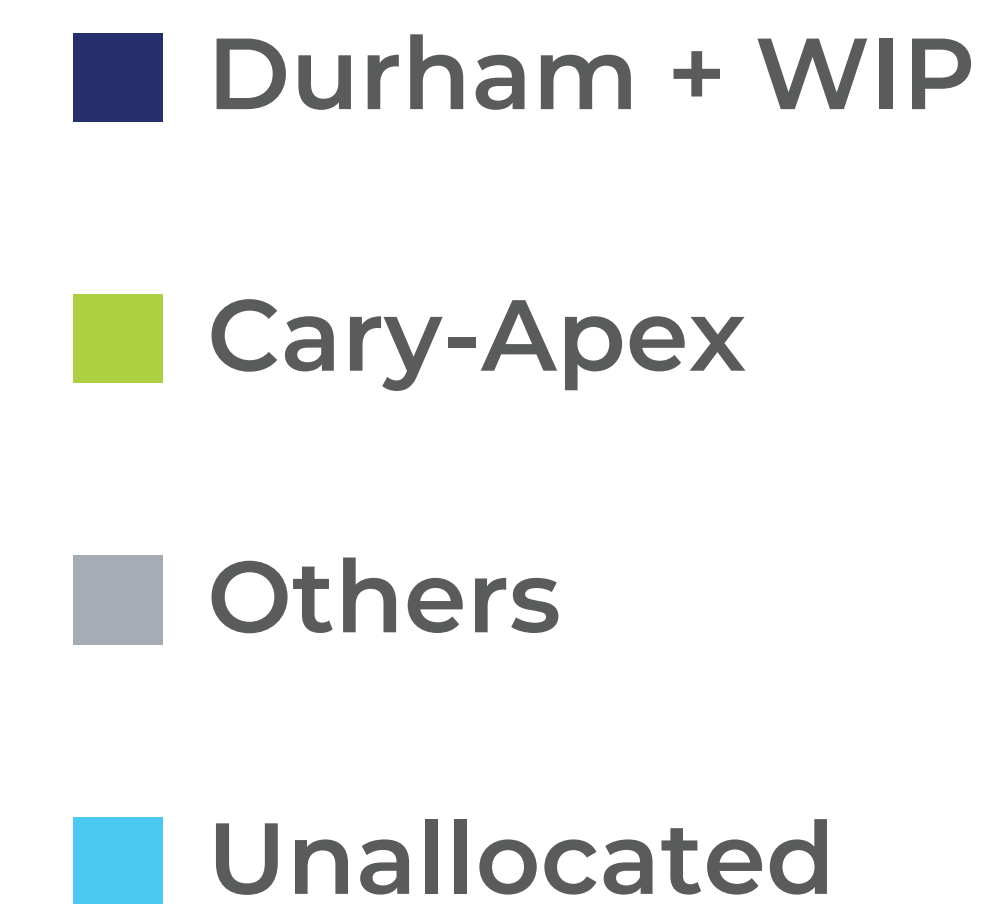


Water Supply Need

The purpose of the Jordan Lake Water Supply Project is to achieve the following objectives:

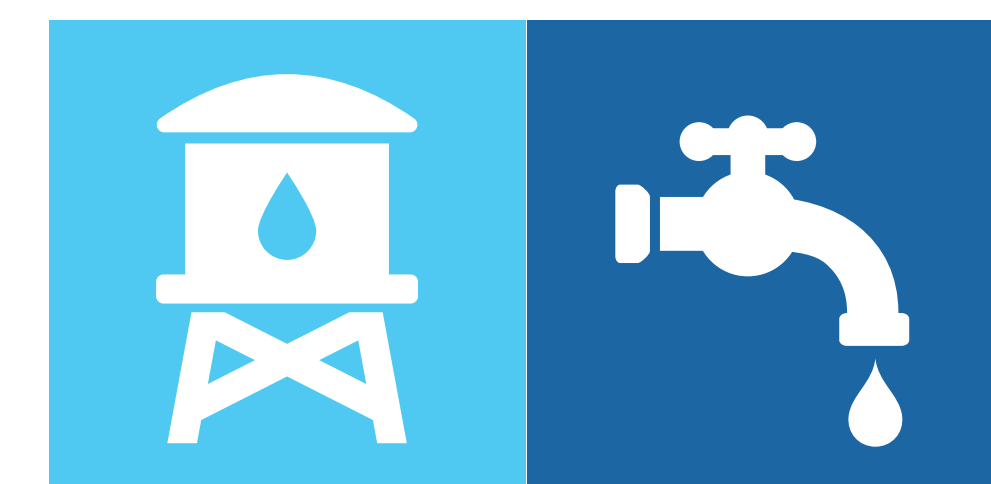
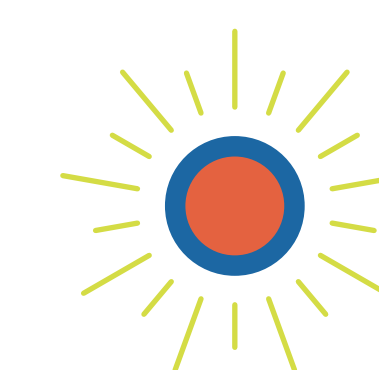
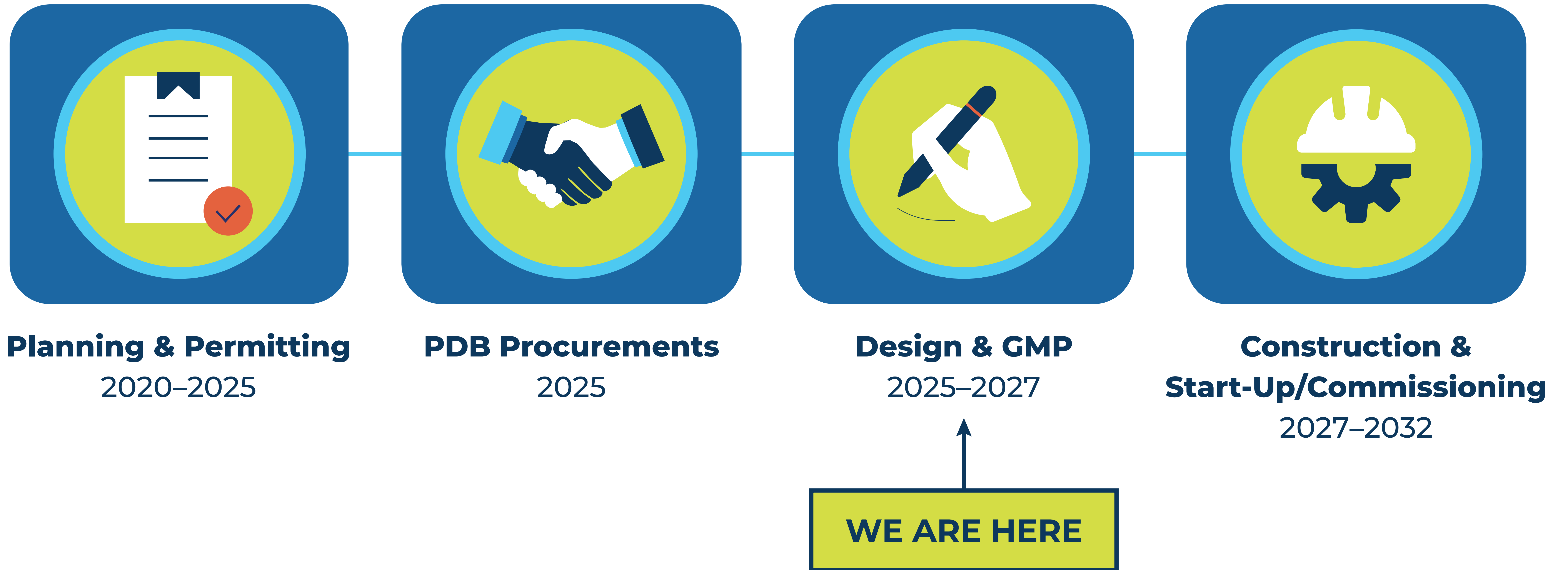
- **Access water from Jordan Lake** which was allocated to the WIP Partners for water supply by the State of North Carolina.
- **Meet the projected water demand** in the City of Durham and WIP service areas by increasing raw water supply and treatment capacity.
- **Improve water supply reliability and resiliency** by increasing the capacity to withdraw state-allocated water supply from a new raw water intake structure on the west side of Jordan Lake.
- **Provide high quality drinking water** that meets the requirements of the Safe Drinking Water Act and the North Carolina Drinking Water Act.

Jordan Lake Water Supply Allocations



Program Schedule

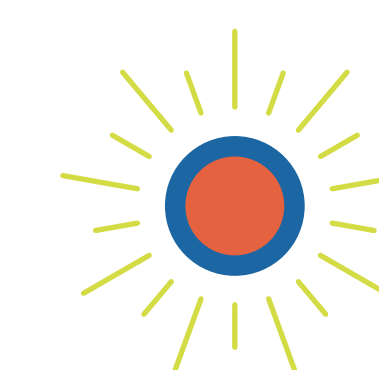
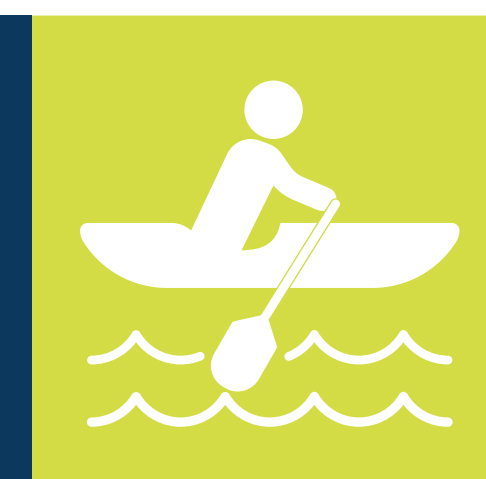
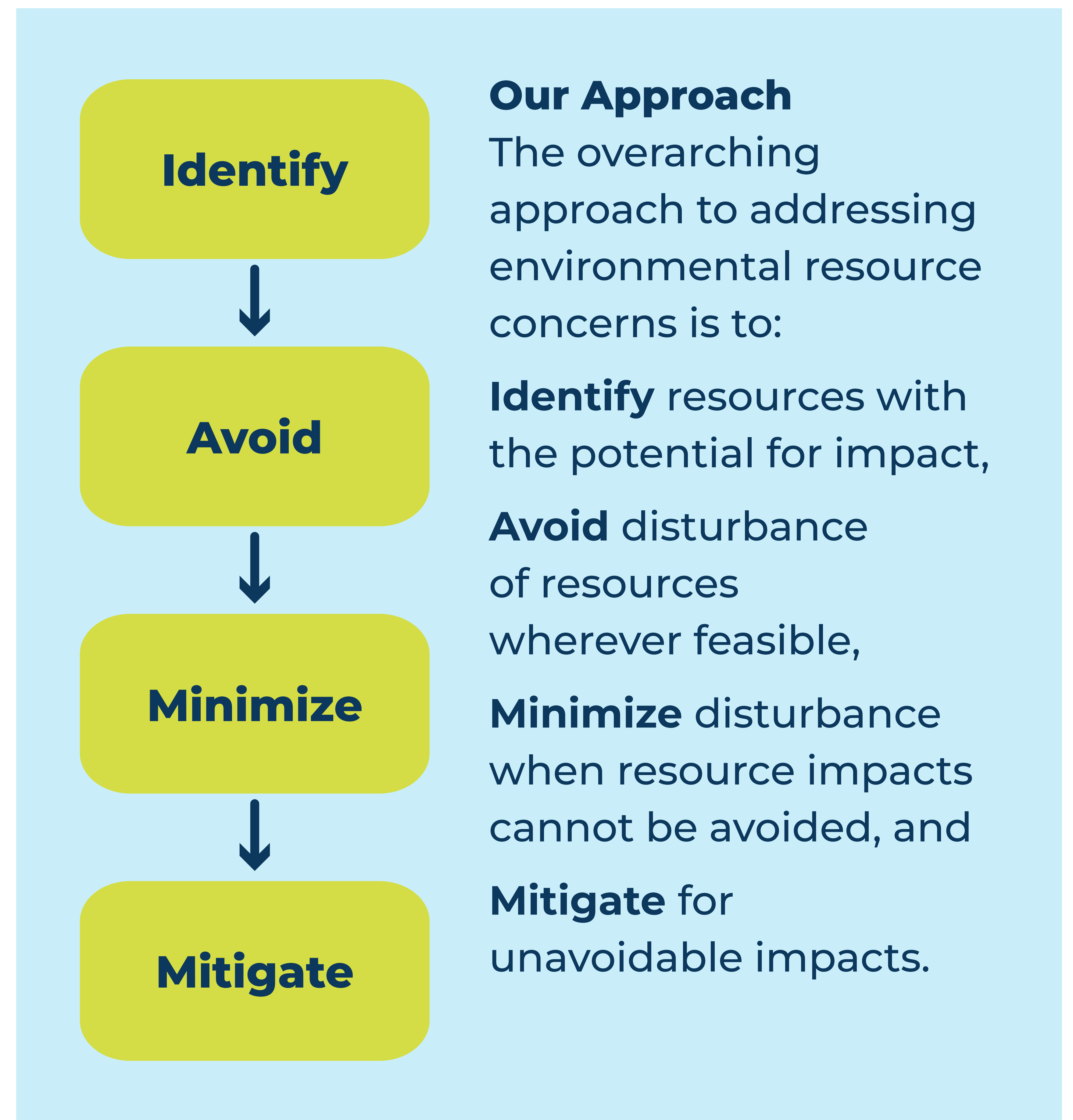
The project is planned to proceed in three phases, with the goal of operational facilities by 2032:



Our Approach

Consistent with its values, the Western Intake Partnership seeks to achieve responsible, balanced development of its water supply by first avoiding and then minimizing adverse impacts to natural and human resources.

We achieve this through...



Key Environmental Findings

Key findings from the environmental assessment include:



No potential Environmental Justice concerns have been identified

WIP will continue to gather community information and communicate with the public on its plans

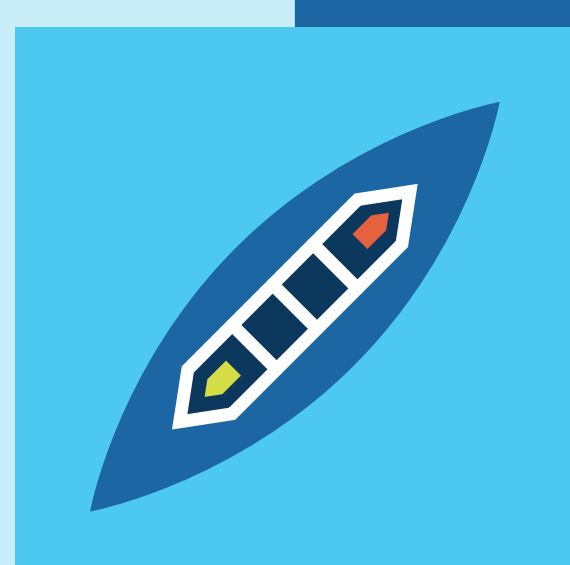


The JLWSP will satisfy important public supply water needs through 2070 and beyond



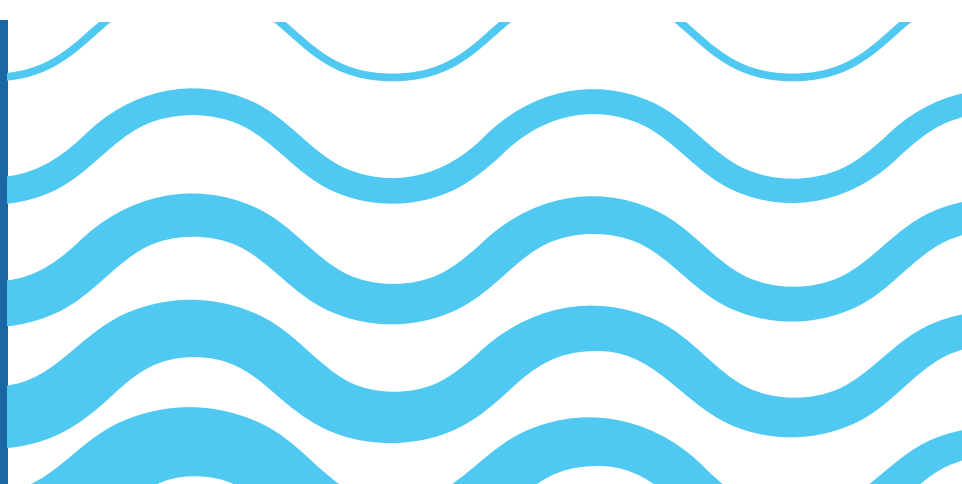
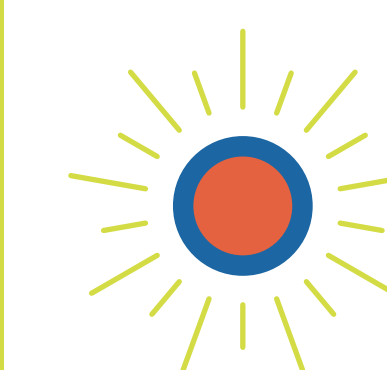
Recreational uses at Vista Point Recreation Access Area to be suspended during part of the JLWSP construction period

City of Durham is working with NC Parks to mitigate the temporary closure of this facility for ~ 3 years



Placement of intake tower in Jordan Lake could pose potential safety concerns for boaters

City of Durham is working with NC Wildlife Resource Commission to mitigate any concerns



Key Environmental Findings

Key findings from the environmental assessment include:



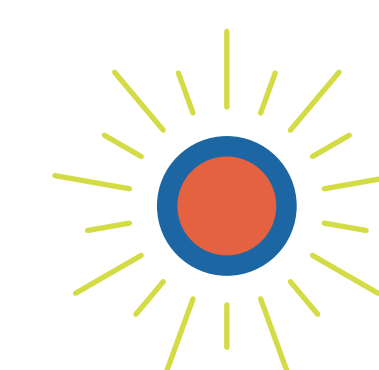
Little or no significant impact for most environmental resources

- No impacts to historic or archaeological features, with concurrence from the NC State Historic Preservation Office
- Most disturbances to wetlands, streams and surface waters will be temporary, and permanent impacts will be restricted to small areas
- No significant impacts to fish and aquatic wildlife
- No significant impacts to air quality, climate, floodplains, groundwater, wildlife, land use, traffic, hazardous materials



Unavoidable loss of trees at the Pump Station site and Treatment Plant site, and along the transmission pipeline to Durham

- Pump Station Facility and Treatment Facility will have permanent forested buffer on all sides
- Pipeline corridor managed to control nuisance vegetation and trees will be allowed to regrow in parts of the corridor



Communications

How to Submit a Comment



Submit a comment on the website JordanLakeWaterSupply.com using the online comment form.



Submit your comments in person today at our Community Open House.



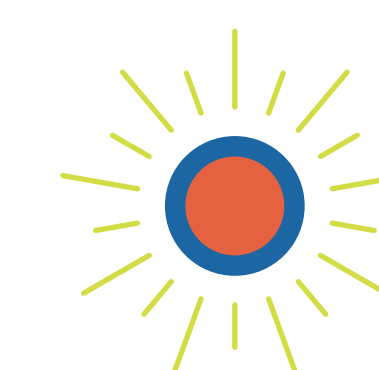
Mail a letter to 555 Fayetteville Street, Ste 900, Raleigh, NC 27601.

Comments will be accepted through the project design phase. As the project progresses, additional public meeting opportunities will be available.



You can sign up to join our stakeholder email list and receive quarterly newsletter updates on the project website:

JordanLakeWaterSupply.com



Jordan Lake Water Supply Program

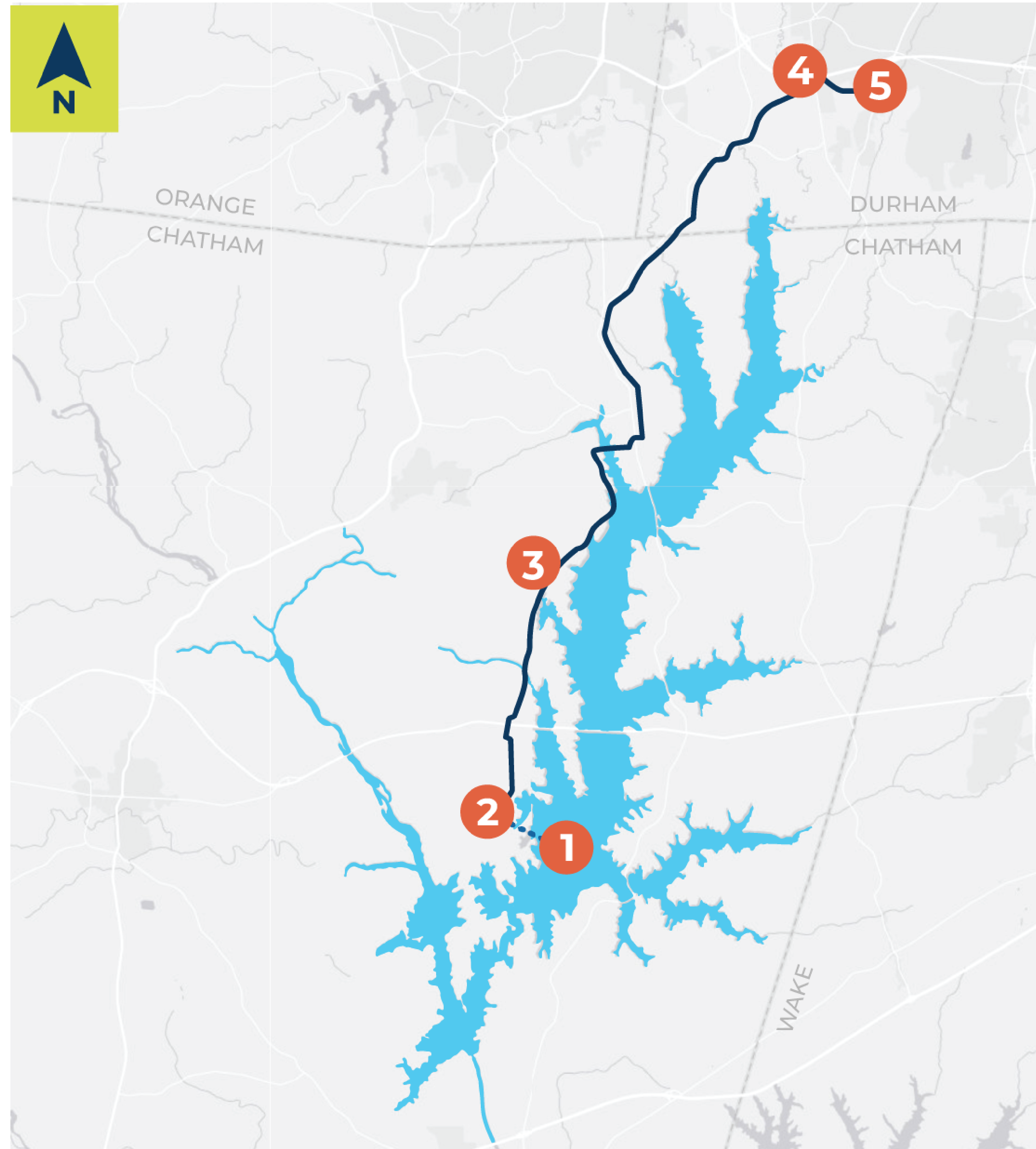


Updates to the Program Status

NEW Water Treatment Plant Location along Farrington Road

The City of Durham has made an important decision in the planning process for the Jordan Lake Water Supply Program. This decision relates to the use of the OWASA-owned site along Seaforth and Pea Ridge Roads.

As planning has progressed, the proposed **Water Treatment Plant** is now planned for a new location at 6903 Farrington Road, adjacent to the South Durham Water Reclamation Facility. The property fronting Seaforth Road and N Pea Ridge Road will **continue to be part of the program**, as the site for the **WIP Raw Water Pump Station**.



Legend

- Jordan Lake
- Proposed Jordan Lake Intake Tunnel
- Proposed Raw Water Transmission Line
- County Boundry

General Facility & System Interconnection Locations

- 1 Jordan Lake Raw Water Intake
- 2 WIP Raw Water Pump Station
- 3 WIP Raw Water Transmission Line
- 4 Durham Water Treatment Plant
- 5 Durham Drinking Water Transmission Line

