



BEAVER CREEK RAW WATER PUMP STATION PROJECT

VICTORIA FORT, P.E.

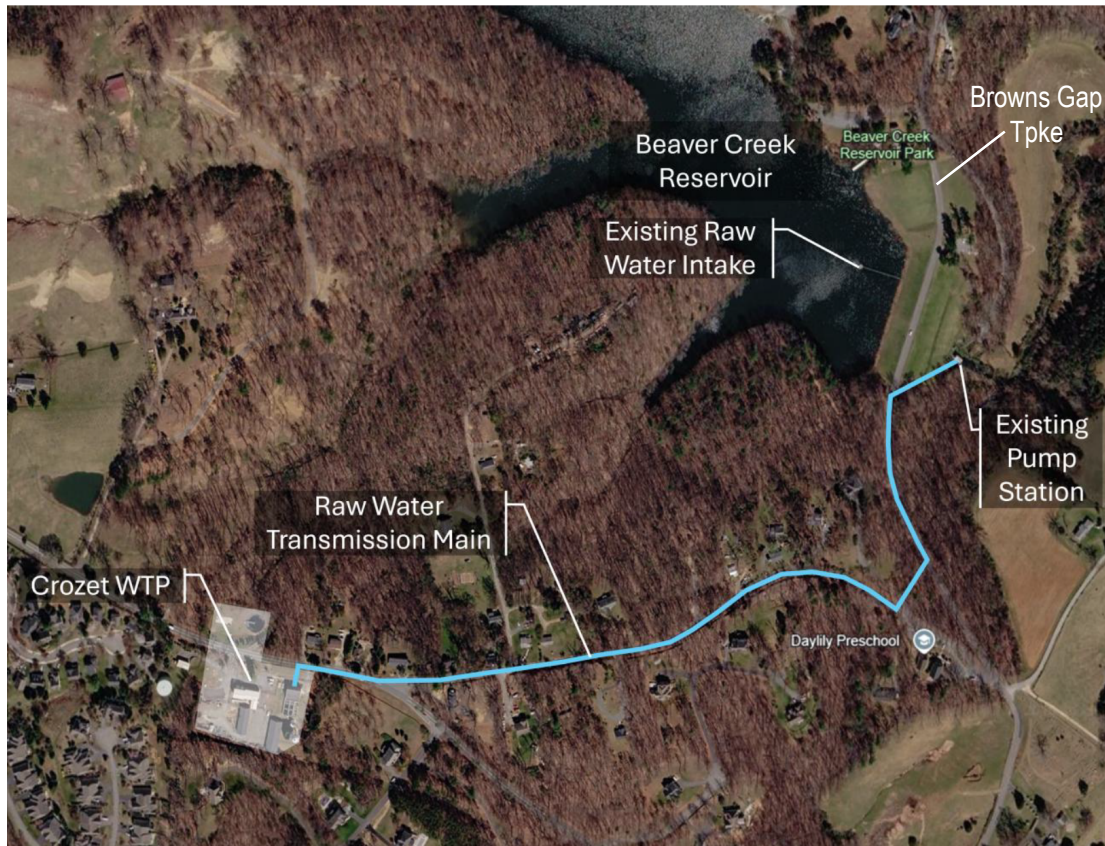
ALBEMARLE COUNTY BOARD OF SUPERVISORS

REGULAR MEETING

SEPTEMBER 16, 2026



CROZET WATER SUPPLY SYSTEM



Beaver Creek Dam and Reservoir

- Constructed in 1963 as Soil Conservation Service (now NRCS) water supply and flood control project
- Approx 500 MG storage

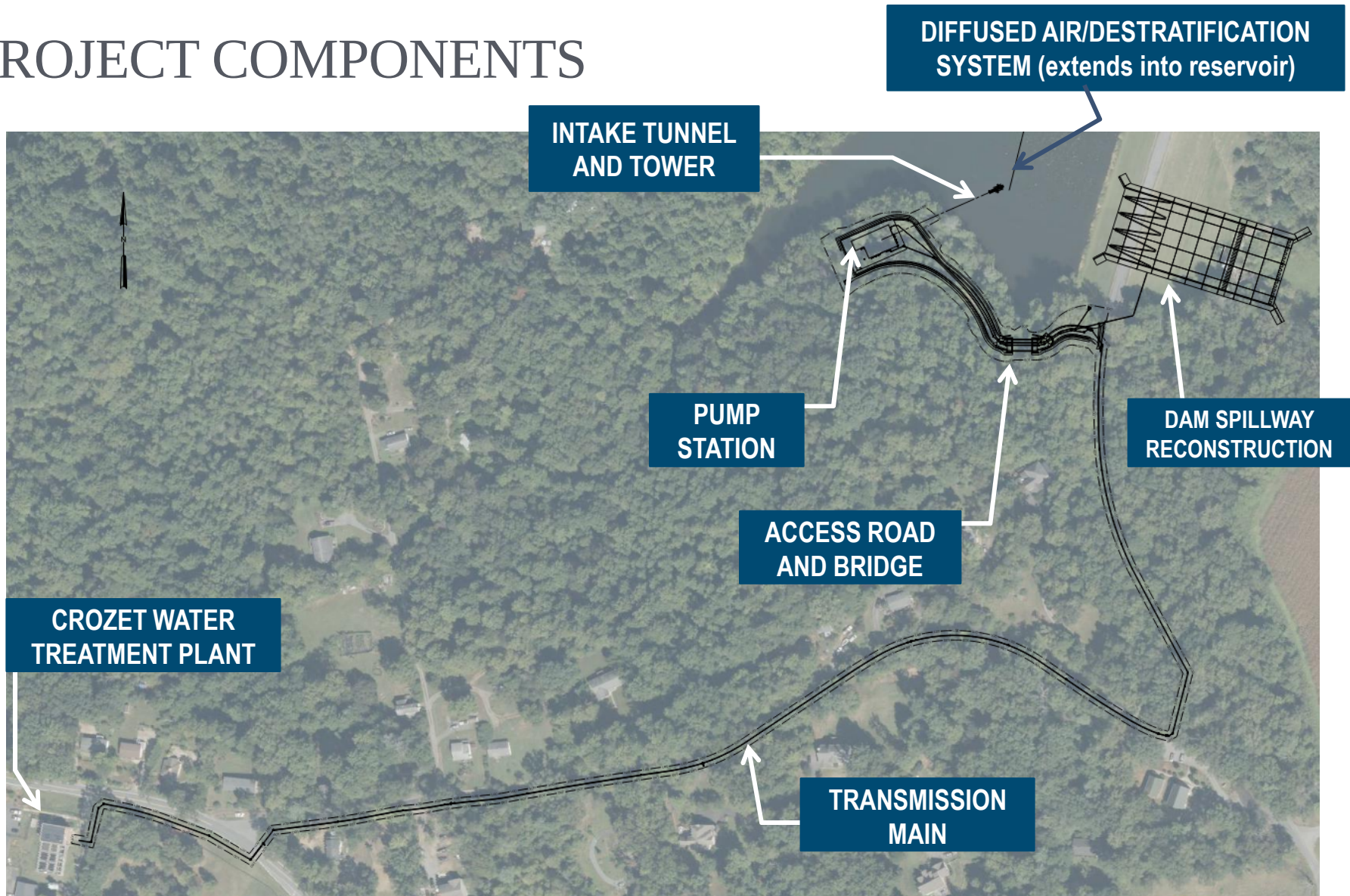
Crozet Water Treatment Plant

- Constructed in 1966 with 1 mgd treatment capacity
- Expanded in 2020 to 2.2 mgd treatment and 1.613 mgd distribution pumping capacity

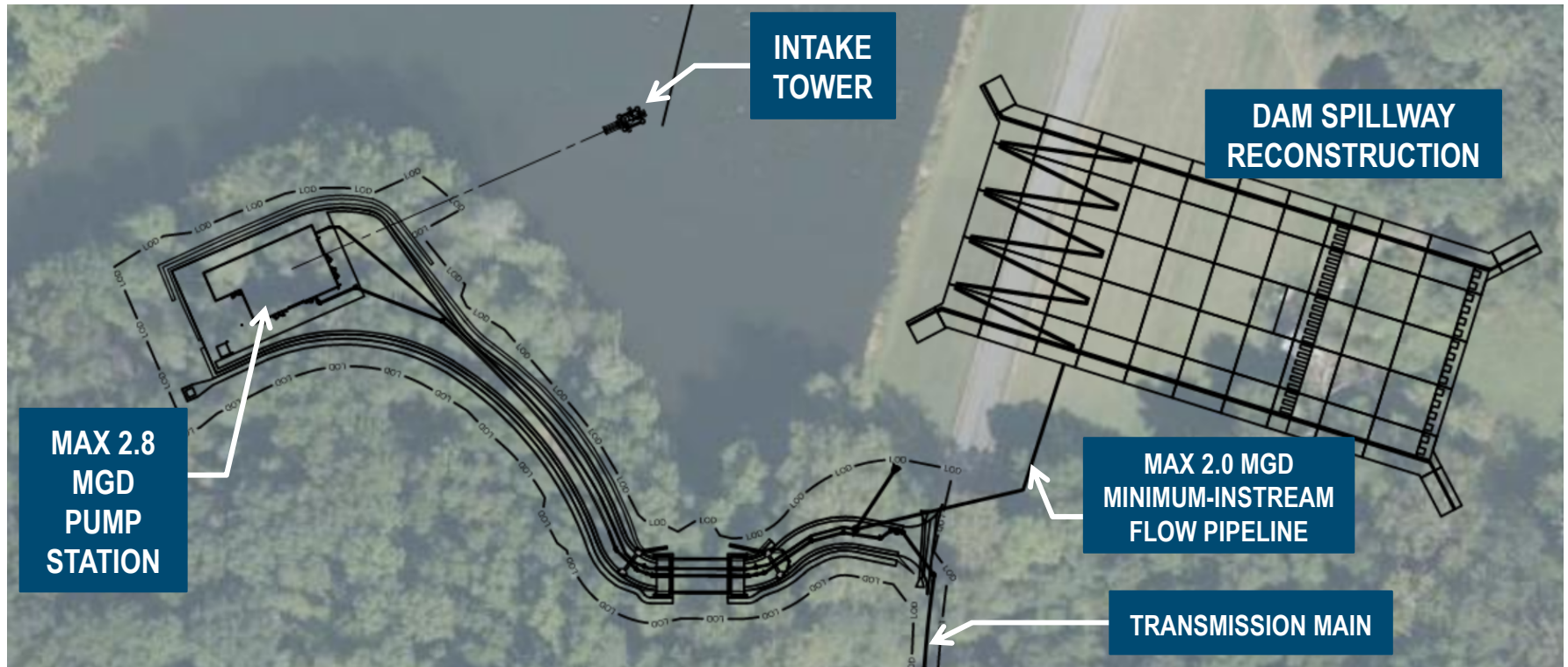
Increased drinking water demand and necessary upgrades to the dam and pump station prompted the need to obtain a Virginia Water Protection (VWP) Permit.

The new VWP permit, issued in December 2024, establishes limits on water withdrawals as well as requirements for minimum downstream releases.

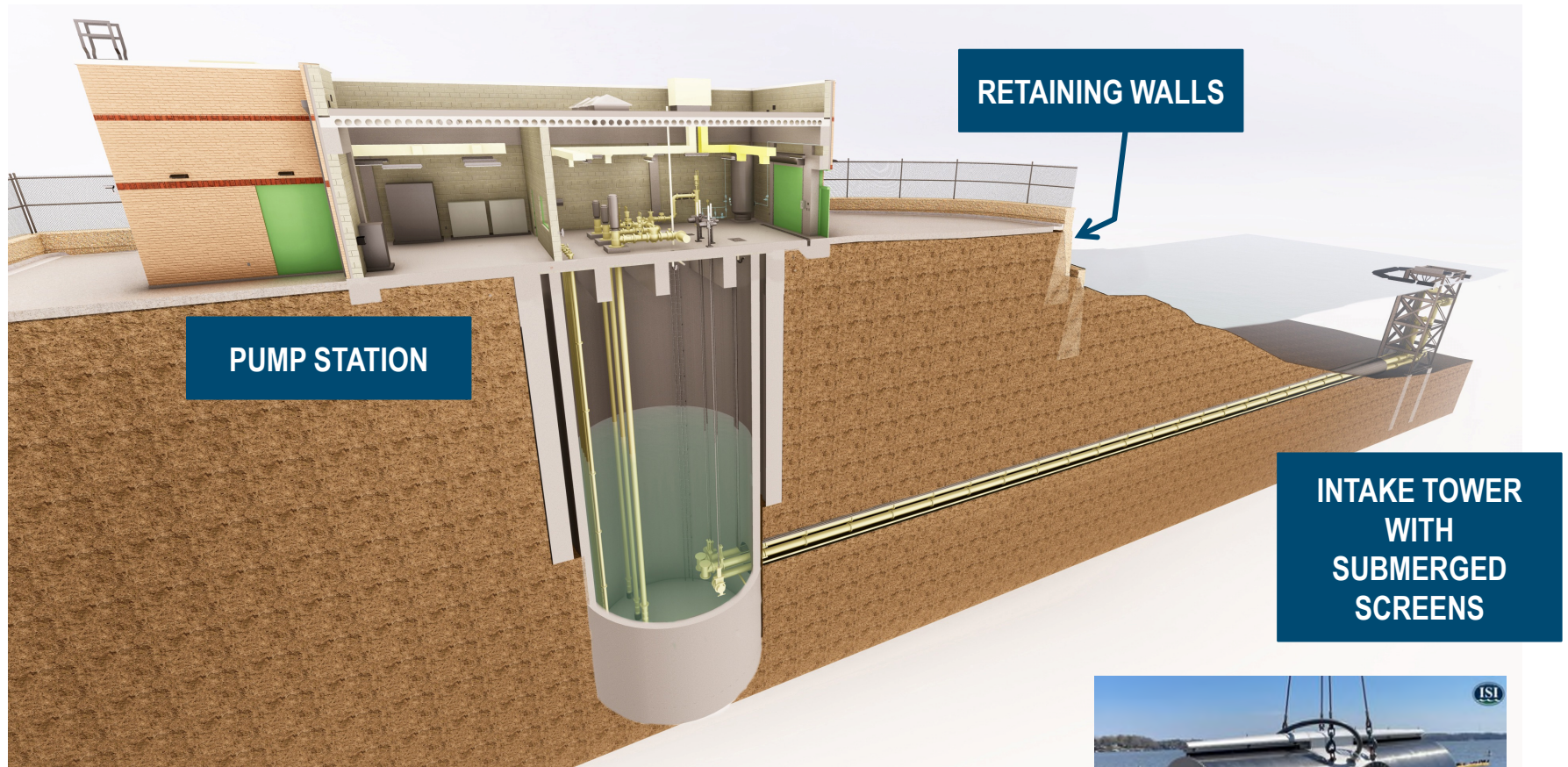
PROJECT COMPONENTS



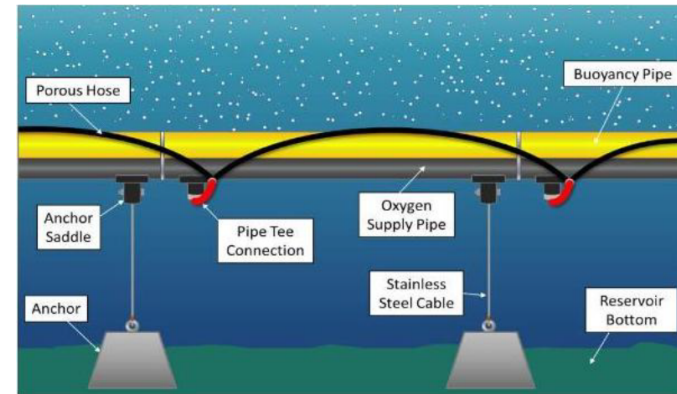
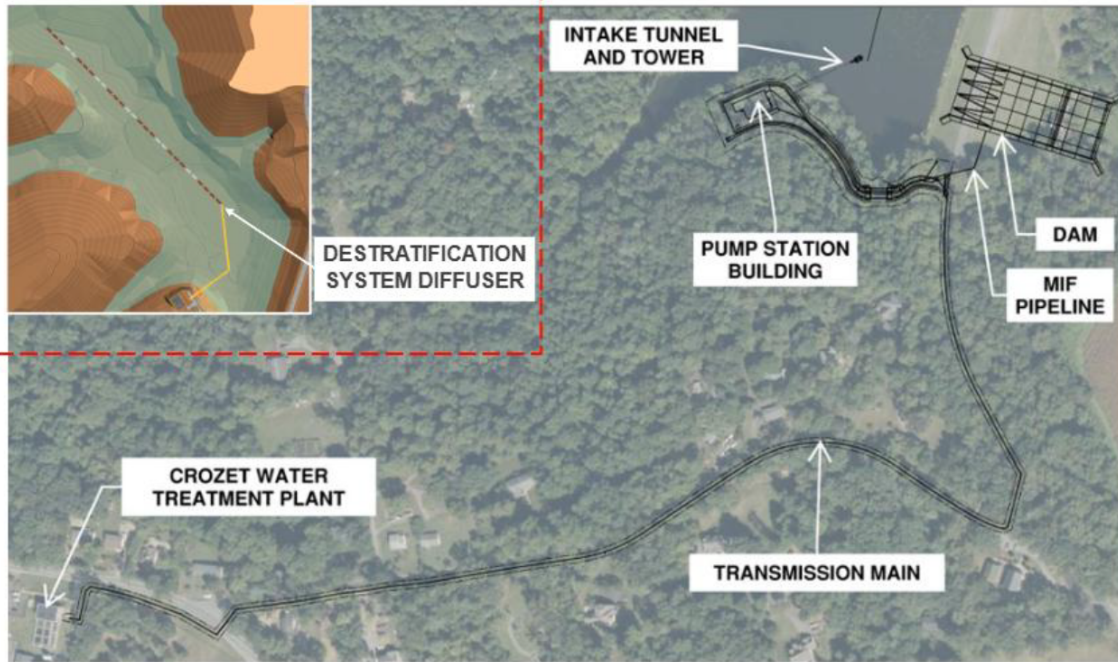
PUMP STATION SITE COMPONENTS



PUMP STATION AND INTAKE



DIFFUSED AIR/DESTRATIFICATION SYSTEM



RENDERING OF COMPLETED FACILITY



LANDSCAPING – EXISTING AND PROPOSED



VIEW OF SITE FROM BEAVER CREEK PARK



SPECIAL USE PERMIT REQUEST

- Site constraints require retaining walls to construct the facility within Albemarle County property. The requested 450 CY of fill in the floodway fringe was found to result in no rise within the 100-year floodplain of Beaver Creek Reservoir.
- Extensive replanting is proposed around the new facility to maintain the forested character of the parcel.
- **RWSA respectfully requests approval of the special use permit to allow fill in the floodplain with the conditions included in the staff report.**