

MINT LANE PUMP STATION

Consent Decree and Future Sewer Service Discussion

Charles H. Martin, P.E., Director, Division of Water Quality Environmental Quality & Public Works Committee August 12, 2025



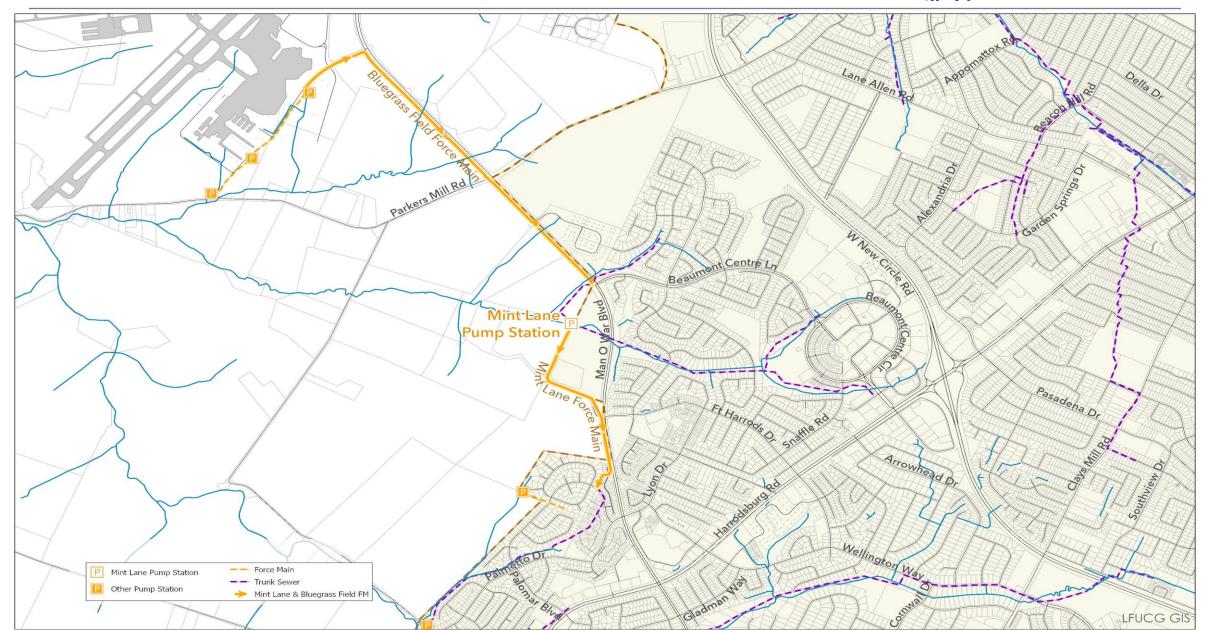


AGENDA

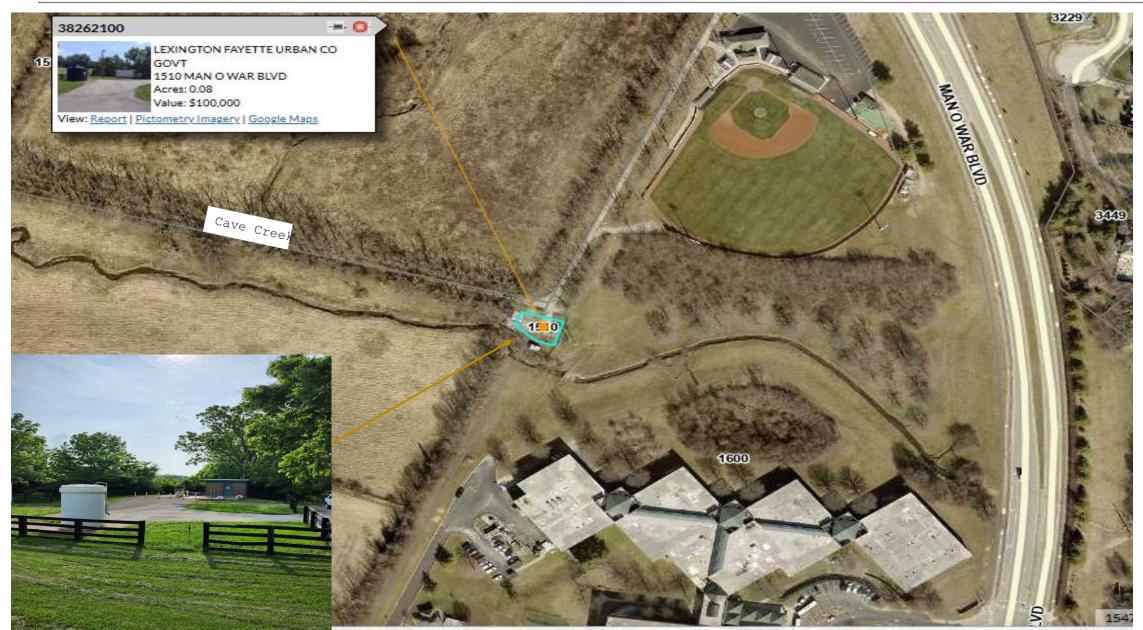
- Purpose of today's presentation
- Mint Lane Pump Station
 - Current situation / required Consent Decree obligation
 - 2023 Sewerability Study / Expansion Recommendation
- Expansion Outcome Funding the Path Forward
- Questions









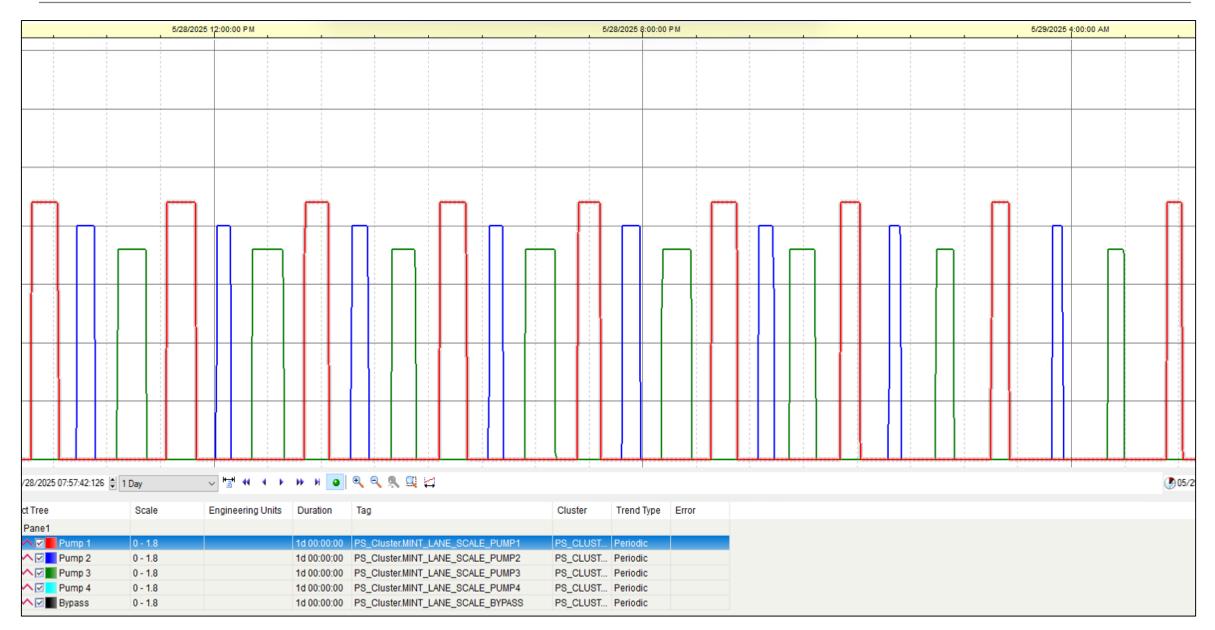




Mint Lane Pump Station Facts

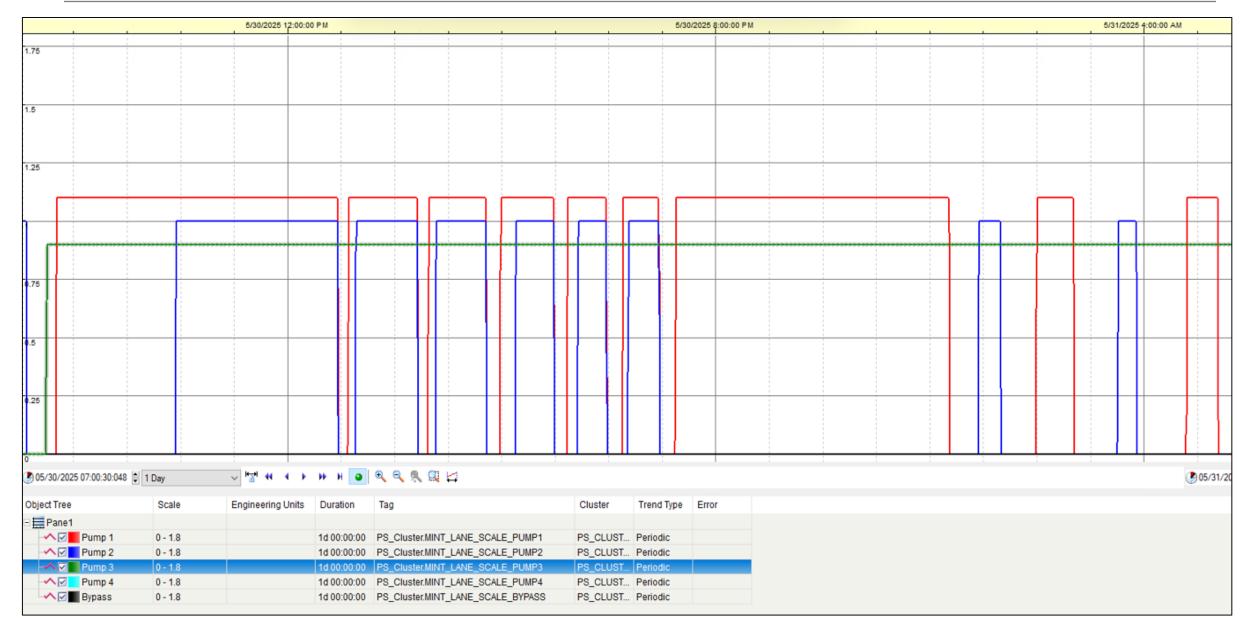
- Class B station placed into service 1998.
- Design Capacity 1,535 gallons per minute (gpm). All three pumps running 2,500 gpm range.
- On-site generator for emergency power.
- Identified as a Recurring SSO Requiring Remediation By the Consent Decree.
 - 28 reported wet-weather overflows or bypasses since March 2015
 - 12.9 million gallons of untreated sewage released
 - Remedial project schedule: design 2026, construction 2027-28





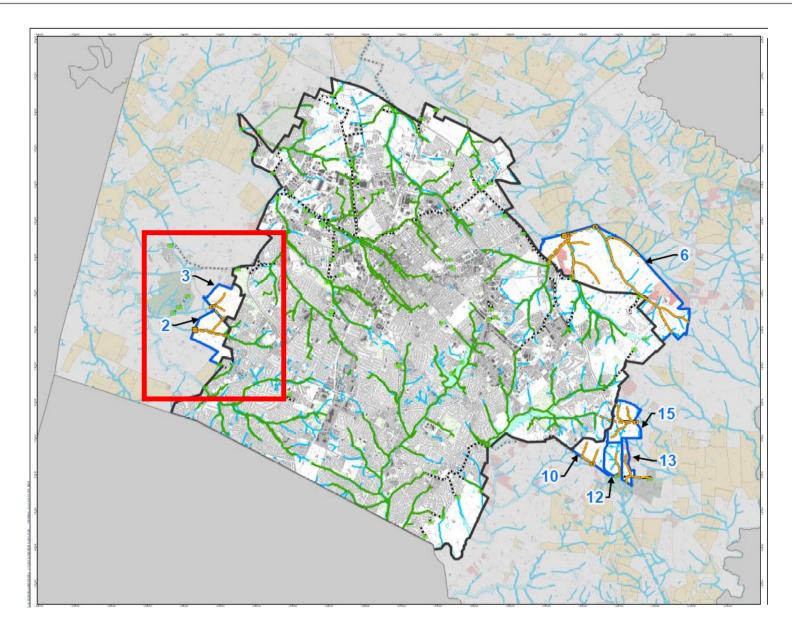
MINT LANE PUMP STATION 2025



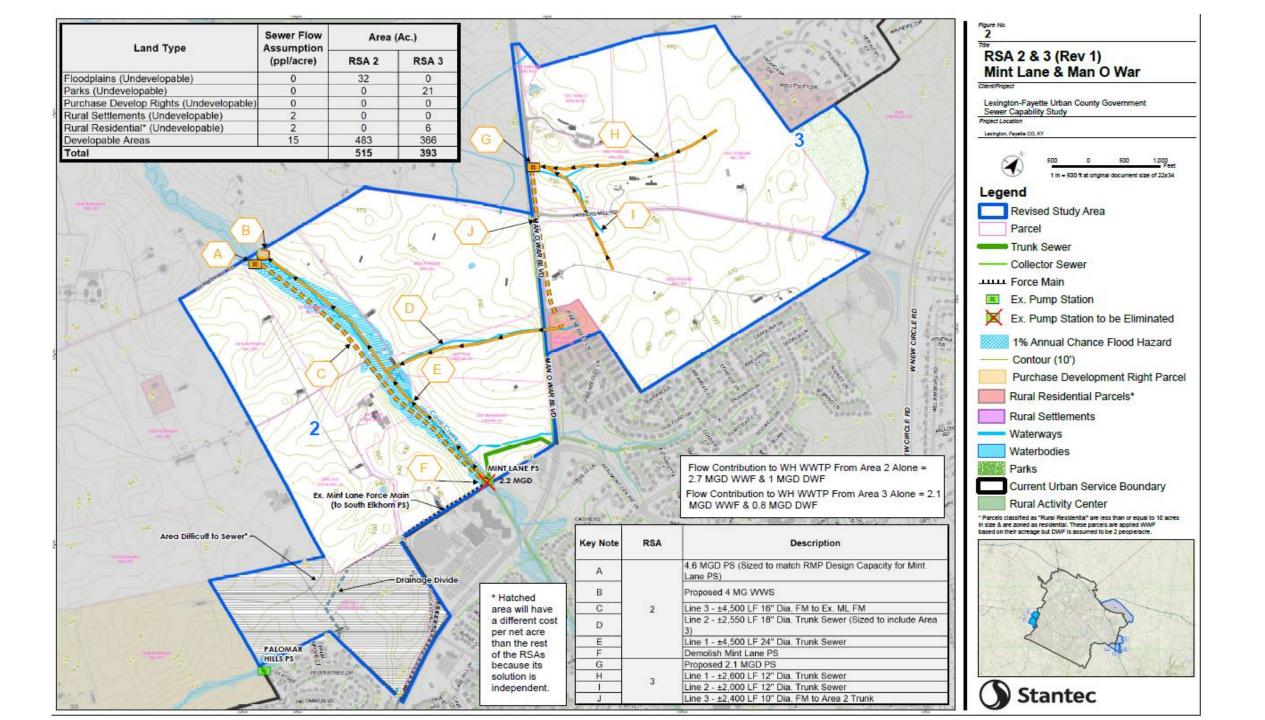




2023 "Sewerability" Study









Key Points

- The study and Water Quality did not provide "recommendations" about expansion, they provided technical information to the decision-makers.
- Projections on infrastructure costs were based on highly variable parameters including:
 - Population density
 - Developable verses undevelopable land
 - Timing
- At no time during the study was information about future plans for the airport discussed.



Blue Grass Airport Pump Station Facts

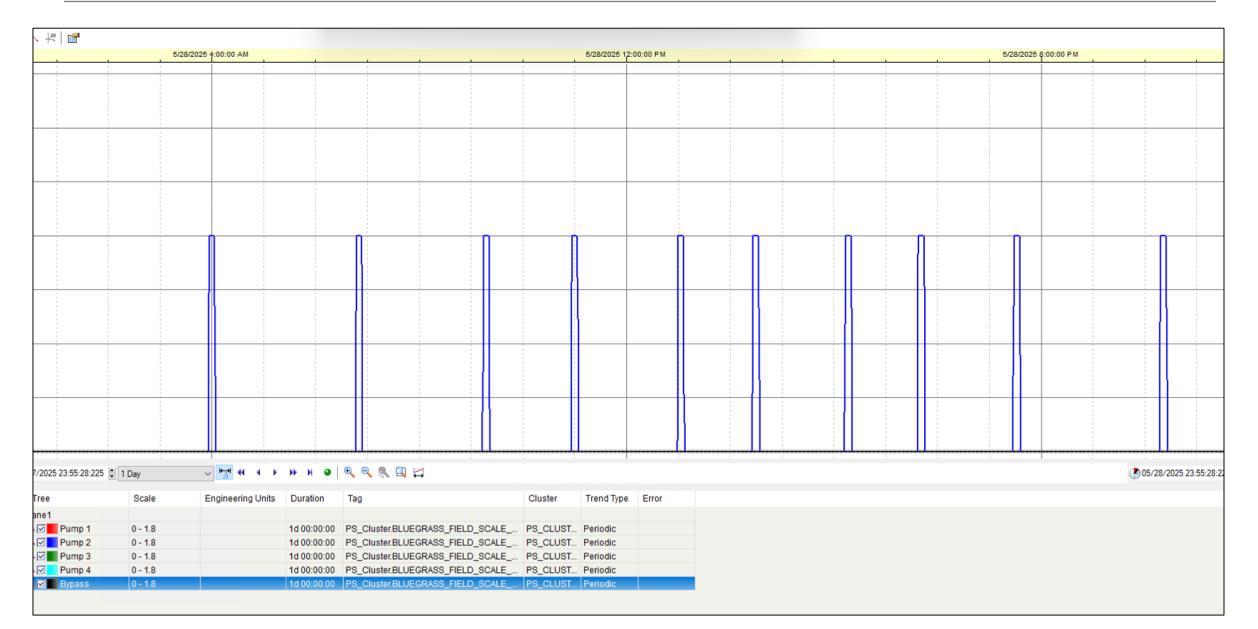
- Pumps to point just upstream from Mint Lane pump station.
- Capacity expansion in 2011.
- Class C station
 - Design Capacity 425 gallons per minute (gpm)
 - Two pump configuration.
 - On-site generator for emergency power
- No history of overflows since 2011 expansion. Station capacity is influenced by aircraft deicing operations in the winter.



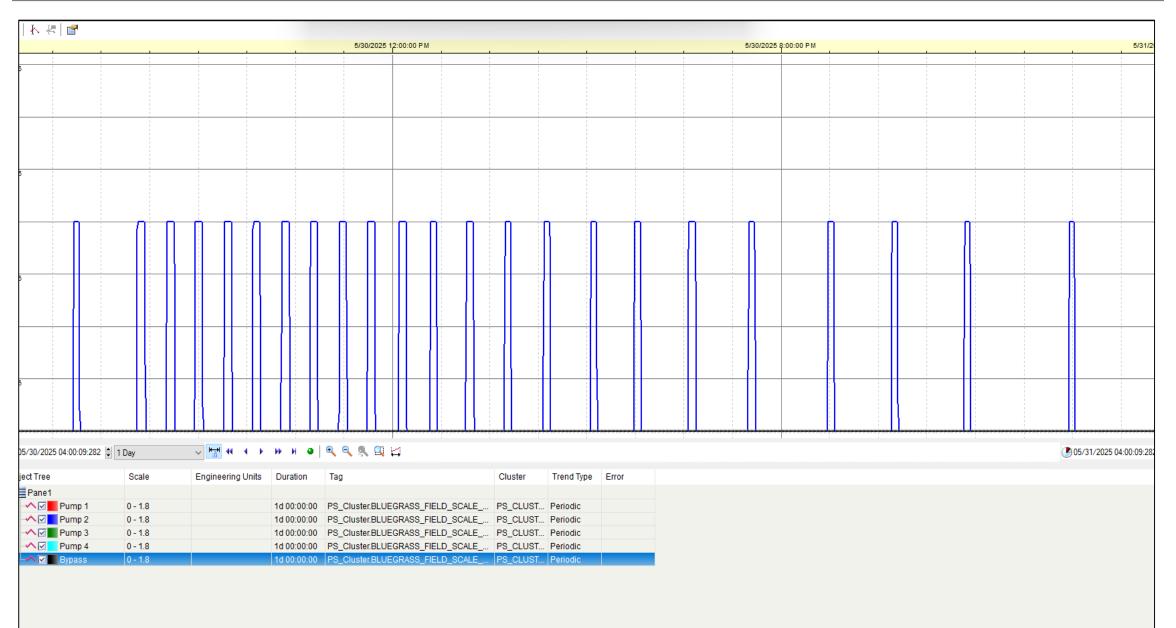














EXPANSION OUTCOME

- Sewerability study area draining to Cave Creek was reduced:
 - RSA 2 eliminated from consideration
 - RSA 3 area located between Parkers Mill Road and Versailles Road eliminated from consideration.
- RSA 3 become known as 2025 Expansion Area 1.
- Expansion Area 1 did not provide authority to move the Mint Lane pump station farther downstream on Cave Creek.



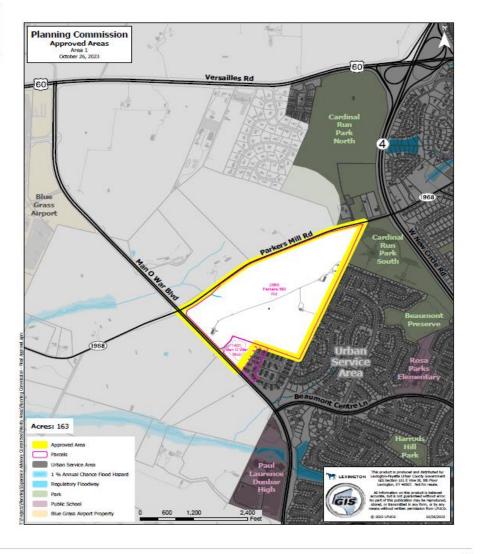


Area 1

Parkers Mill & Man O' War

Area 1 is the smallest of the five areas. The land is currently being used for cattle and horse pastures with paddocks for horses and areas for grazing animals. There are several associated barns, outbuildings, and the original farmhouse on site.

The vegetated entry to Pine Needles Lane is included in Area 1. This parcel is owned and maintained by the Heritage Place HOA, which is the adjoining active adult community.







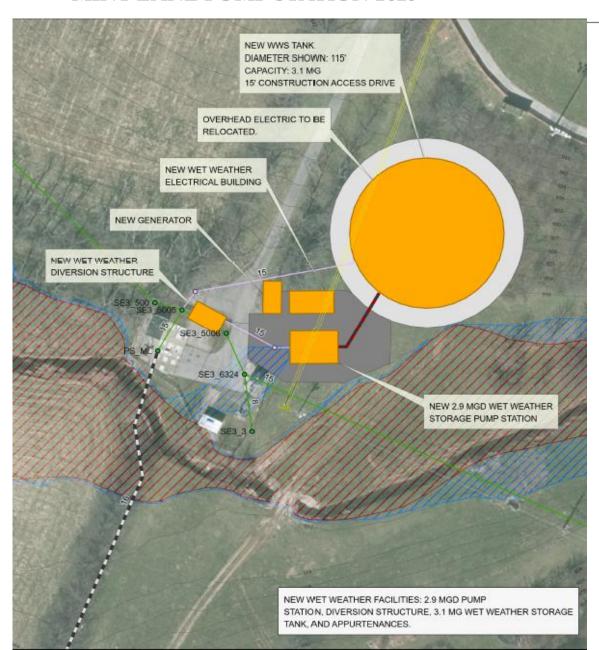
EXPANSION OUTCOME

Given the deadlines imposed by the Consent Decree, Water Quality recommended proceeding with:

- Constructing a new pump station and wet weather storage tank within the limits of the existing Urban Service Boundary.
- Proceeding with design services and property acquisition in FY26.







Projected Layout Mint Lane Pump Station Improvements



Questions?

