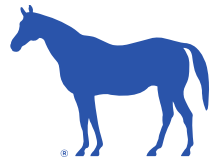


MINT LANE PUMP STATION RELOCATION STUDY PART 2

Charles H. Martin, P.E., Environmental Quality and Public Works

Council Work Session

April 28, 2026



LEXINGTON

Mint Lane Pump Station – continued from 4/14/26

- Eliminate the airport from consideration.
- Clarify the Bowman Mill wet weather pump station capacity / tank volume / cost for:
 - No increase in service area
 - Adding 572 acres at 9 people per acre
 - Adding 572 acres at 25 people per acre
- Tree removal and bat mitigation at the Dunbar site.
- Odor control at both sites.
- April 14 key points summary.

Mint Lane Pump Station – continued from 4/14/26

Eliminate the Airport from Consideration

- Greatest cost of all pump station alternatives presented.
- Greatest risk for completing project within Consent Decree imposed deadline.

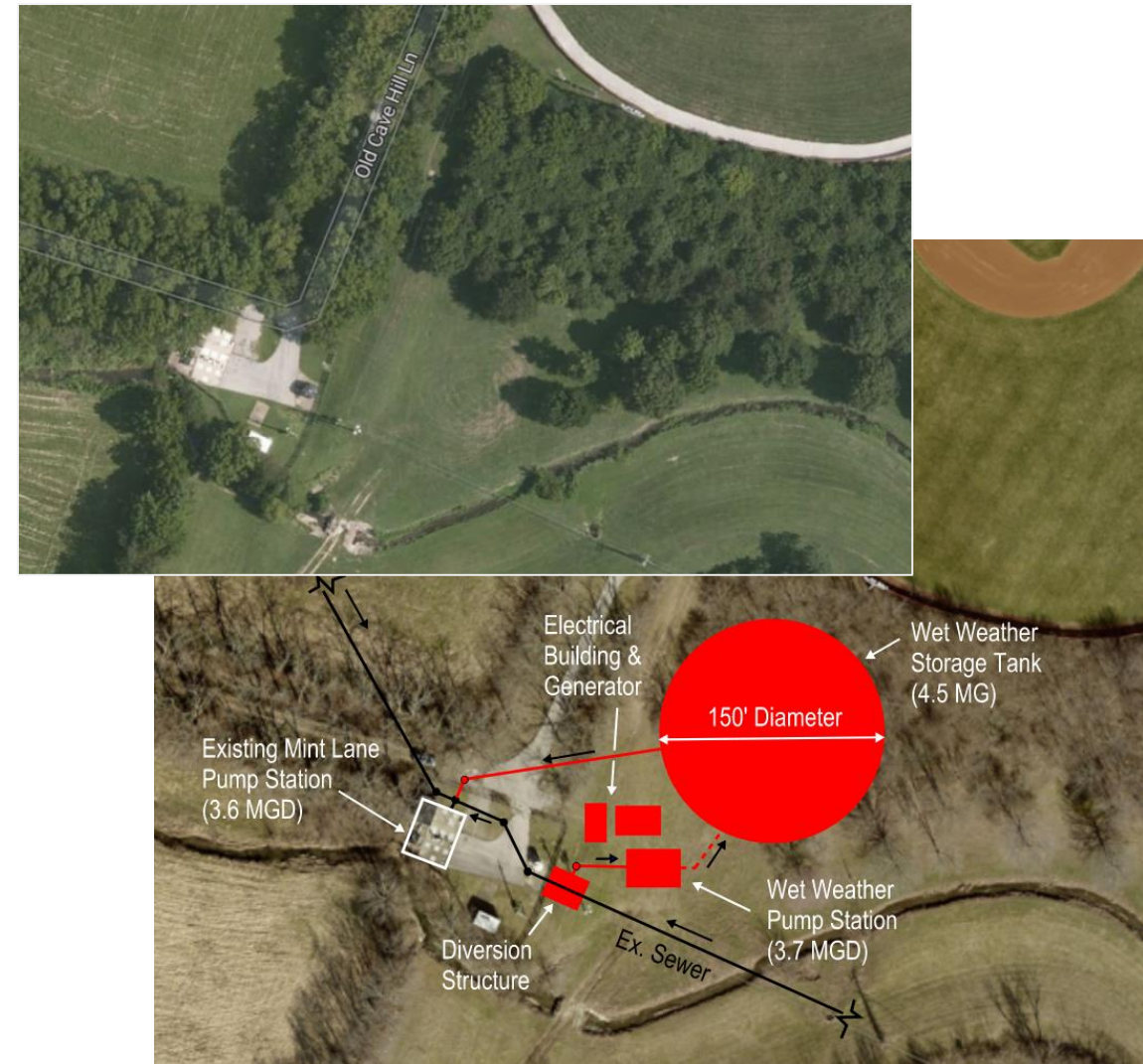
Land Development Density

- Bowman Mill Road location evaluated with & without the addition of the 572 acres in RSA that would naturally drain to it.
- Different land development densities evaluated from 9 – 25 people\acre.

Location	Urban Service Area Only	With 570 acres (9 people\acre)	With 570 acres (25 people\acre)
Existing Mint Lane PS			
Tank Volume (MG)	4.5	---	---
Project Cost	\$19.6M	---	---
Bowman Mill Road			
Tank Volume (MG)	4.5	6.8	8.8
Project Cost	\$24.9M	\$27.3M	\$29.3M

Existing Mint Lane PS Location – Bat Habitat

- Removed trees are potential bat habitat.
- Will require biological assessment.
- Wastewater improvements can proceed but may require mitigation.
- Anticipated cost to LFUCG < \$100K.
- Mitigation cost (if required) may be offset by building artificial roosts & monitoring.
- Monitoring could be educational opportunity for school.



Mint Lane Pump Station – continued from 4/14/26

Odor Control at Both Sites

- Dunbar site
 - Existing station has no on-site treatment system. Chemical discharge to the force main is in service but requires upgrade based on current program expectations.
 - Upgrade would likely be activated carbon for on-site treatment and flow paced chemical application to the discharge.

- Bowman Mill site - upgrade would likely be activated carbon for on-site treatment and flow paced chemical application or oxygenation to the discharge.

APRIL 14 KEY POINTS

Dunbar Site

- Serves future Area 1 development and developer built pumping station is needed.
- Allocates no additional capacity for future expansion.
- Greater construction site risks.
- Estimated cost - \$19.6 M
- Schedule duration – 3.5 years.
- In service deadline – 12/31/30.

Bowman Mill Site

- Serves future Area 1 development and developer built pumping station is **not** needed.
- Allocates additional capacity for future expansion when larger tank volume is built.
- Lower construction site risks.
- Estimated cost - \$27.3 M - \$29.3 M
- Schedule duration – 3.5 years.
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APRIL 14 PRESENTATION HEADLINES

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Questions?



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