

Kenwood Water Department

To who it may concern

Date: June 3, 2025

Subject: Murphy's Farm Development – Water Service Assessment

Regarding the Murphy's Farm residential development, the Kenwood Water Department has reviewed the proposal and identified an issue with the following:

Water Service & Pressure Considerations

A 2021 report by Andover Consultants raised key concerns about whether the existing municipal water system can adequately support a development of this scale. The report specifically identified the following issues:

- **Water Pressure Adequacy:**

There is uncertainty as to whether water pressure will be sufficient to meet the demands of the development, particularly when considering the site's elevation, potential building height, and fire protection requirements (e.g., sprinkler systems).

To address this, the Kenwood Water Department recently conducted pressure testing in the surrounding area:

- **Poppy Lane:** 80 PSI
- **Elizabeth Drive:** 65 PSI

Based on these recent tests and projected hydraulic modeling, the Water Department currently believes that the existing system can provide adequate pressure to serve the Murphy's Farm development. For reference, the minimum required pressures are:

- **40 PSI static pressure**
- **20 PSI working pressure (under demand)**

Contingency Requirement for Booster Station

As discussed with the developer, should it be determined at the time of installation that system pressure falls below these minimum thresholds, the developer will be required to install a water booster station at their own expense to bring the system up to acceptable standards.

Next Steps

We will continue working with the developer's engineers to finalize system design and conduct ongoing pressure modeling during the permitting process.

Please contact our office at (978) 957-0371 or email kenwoodwater@dracutma.gov if you have questions or require additional detail.

Sincerely,

Joseph Cloutier
Superintendent
Kenwood Water Department