



MEMORANDUM

TO: Sheila Page, Assistant Planning Director

FROM: Michael Sprague, Senior Civil Engineer

DATE: September 9, 2019

SUBJECT: Rangeway Extension Definitive Subdivision

CC: John Livsey, Town Engineer

The engineering division has reviewed the Definitive Plans titled "Rangeway Extension" dated December 3, 2018, and revised July 22, 2019. We submit the following;

Existing and Proposed Roadway:

- Road is proposed to be reclaimed not reconstructed as to comply with Conservation requirements. This is an acceptable alternative with Engineering.
- Driveway grades should work as proposed with the revised plan. Paving contractor may need to cut back into driveways to make any transitions work as necessary.

Utilities:

Water

- Hydrants shall be American-Darling 5 ¼ inch B-84-B-5. Hydrant color; should conform to Lexington Fire Dept rules. We require this information be clearly noted on the plans.
- All hydrants, valves and valve boxes shall be American made only. Valves shall open **right (clockwise), hydrants shall open right (clockwise)**. We require this information be clearly noted on the plans.
- All proposed vertical and horizontal bends for the proposed water main shall be on plans with adequate restraining glands, rods and thrust restraints.
- Minimum separation of sewer service below water line is 18 inches.

Sanitary Sewer

- Maintain separation of utilities as much as possible given ROW constraints.
- A minimum two course brick detail shall be shown on all sewer and drain manhole details.
- All manhole frame and covers should be consistent with Town of Lexington Standards.
- All sewer and drain pipes should conform to Town of Lexington Standards.
- Please add a note to call the DPW for water and sewer markouts.

Drainage for roadway, sidewalk, driveway aprons, and site grading:

- The drainage analysis was complete and acceptable.

- The catch basin inverts on the plan set do not match the inverts listed on the profile. Please update to match.
- Stormwater management report and Operation and Maintenance report is acceptable.
- Any stormwater BMP's that are to be used post construction, should not be used during construction unless they are cleaned properly to remove the higher sediment loadings found in construction runoff.
- Please provide note for contractor to notify Engineering prior to installing any utilities or asphalt so that work can be inspected.