

ARTICLE XX: To see if the town will vote to amend the Carver Zoning Bylaw by modifying the following portions of Article III—Section 3100—Site Plan Review, and replacing Article IV—Section 4200—Earth Removal with Section 4200—Utilities.

3160. Performance Standards. Any new building construction or other site alteration shall provide adequate access to each structure for fire and service equipment and adequate provision for utilities and stormwater drainage consistent with the requirements found in Section 4200: Utilities. New building construction or other site alteration shall be designed so as to:

3169. Comply with all applicable provisions of this Zoning Bylaw, and other Town Regulations, including but not limited to, Section 3200, General Landscaping Requirements, and Section 3300, Townwide Parking and Loading Requirements.

4200. UTILITIES

4210. Storm Drainage.

1. General Approach: A complete storm drainage system shall be laid out and of sufficient size as to permit unimpeded flow of all natural waterways, to provide adequate drainage of all portions of the site, and to prevent adverse impacts due to stormwater discharge from the site.
2. Stormwater from the site shall be recharged to the maximum extent feasible and as near to the runoff source as practicable. Open drainage systems that provide a high level of infiltration, require little maintenance, and result in a minimum of clearing and grading (such as grasses swales or undisturbed natural areas suitable to absorb stormwater) are generally considered superior to closed drainage systems. A series of multiple smaller drainage systems is preferable to a single larger facility.
3. Design Basis and Method: Drainage systems shall be designed to comply with the following:
 - a. Where the collection system conveys flows to a detention/retention system designed to control the one hundred (100) year storm, the designer shall document how flows in excess of collection system capacity will be safely directed to the control device.
 - b. Calculations for the analysis of pre-and post-development peak flows at the property line, and for the design of detention/retention devices shall be developed using the Natural Resource Conservation Service (NRCS) TR-20 methodology.
 - c. The development of runoff coefficients (e.g. for the Rational Method) and Runoff Curve Numbers (e.g. for TR-55 and TR-20 methodology) for post-development conditions shall be based on the assumption that the contributing watershed will be fully-developed.
 - d. Separation between infiltration devices and septic systems: A note shall be added to the plan citing use and general location of dry wells, roof leaders and other individual on-site stormwater management systems in order facilitate adequate separation s for

septic systems.

- e. Discharge onto abutting lots: peak stormwater flows at the boundaries of the development shall not exceed peak flows prior to development measured in the same location, based on the two- (2), ten- (10), twenty-five- (25), and one hundred- (100) year, twenty-four hour design storms.
4. Stormwater volumes shall be controlled so that there is no increased negative impact on any abutting property. No flow shall be conveyed over public ways, or over land of others.
5. Storm drainage structures and appurtenances: The drainage collection system shall be designed to convey projected peak flow rates based upon the twenty-five- (25) year storm utilizing the Rational Method.

4220. Emergency Services.

1. Emergency access roads shall be at least 12-feet wide, constructed of an all-weather surface, and cleared of obstructions to a distance of 4-feet on both sides. Gates, where required, shall be equipped with a standard Carver Fire Department lock.
2. A Fire Protection Distribution System (FPDS) shall be provided when deemed necessary by the Special Permit Granting Authority (SPGA). The SPGA shall request written comments from the Carver Fire Department, prior to making a determination. The FPDS shall consist of water mains, hydrants, and appurtenances designed in accordance with the specifications adopted by the Carver Fire Department.
3. A water supply conforming to NFPA 1231 shall be established on the plans for firefighting purposes when deemed necessary by the SPGA. The SPGA shall request written comments from the Carver Fire Department, prior to making a determination.

Or do or take any other action on this matter. On request of the Planning Board.

PROPOSED MOTION:

EXPLANATION: Currently the design and construction standards for storm water control and emergency services are found in the Subdivision Control Rules and Regulations. Said Rules are cross-referenced in the Zoning Bylaw. By including the standards explicitly in the Zoning Bylaw, the Planning Board and Zoning Board of Appeals are clearly authorized to enforce the requirements as part of any special permit.