



Planning Department

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TEXT AMENDMENT APPLICATION

SUBMITTAL REQUIREMENTS

- Completed Application
- Signatures of Applicant
- Fees associated with Application

GENERAL INFORMATION

UDO Section(s) Proposed to be Amended 2.4 Building Height and Setbacks
Current Text Building Height is 35 feet to 60 feet and setbacks 4. For every foot
building height, the developer shall provide setbacks equal to the height of the
building.

Proposed Text _____
Add a footnote to each table within section 2.4 of the UDO. The proposed footnote reads: Elevated Water Tanks installed by the Lancaster County Water and Sewer District are exempt from building height requirements. The tanks shall also be exempt from the setback requirement "For every foot of building height, the developer shall provide setbacks equal to the height of the building". Lancaster County Water and Sewer District's Elevated Water Tanks will be required to conform to the setbacks within the zoning district they reside in."

Description of Need for Proposed Text Attached

☐ Additional pages attached for more information

CONTACT INFORMATION

Applicant Name Lancaster County Water and Sewer District
Address 1400 Pageland Highway
City Lancaster State SC Zip 29720 Phone 803-416-5523
Fax 803-285-9575 Email bbucy@lcwasd.org

APPLICATION CERTIFICATIONS

I hereby certify that I have read this application and the information supplied herein is true and correct to the best of my knowledge. I agree to comply with all applicable County ordinances and state laws related to the use and development of the land. I further certify that I am the property owner, or his/her authorized agent, or the subject property. I understand that falsifying any information herein may result in rejection or denial of this request.

LCWSD Timothy R. Kamin, Professional Engr. 3/10/23
Applicant _____ Date _____

SAME
Property Owner(s) _____ Date _____

Attach owner's notarized written authorization with property information if the applicant is not the owner.

LANCASTER COUNTY OFFICE USE ONLY

Application Number _____ Date Received _____ Receipt Number _____

Amount Paid _____ Check Number _____ Cash Amount _____

Received By _____ Planning Commission Meeting Date _____

SCHEDULE/PROCESS

1. Submit Application

- The deadline for this application is at least 45 days prior to the Planning Commission meeting, held every third Tuesday of the month.
- Once an application is submitted, it is placed on the Planning Commission agenda for the following month.
- An application withdrawal should be made in writing and received prior to public notice in order to receive a refund.
- Text Amendment Application Fee - \$435.00

2. Planning Commission

- Conducts a public hearing on the application to receive input from Lancaster County citizens, applicant, and other interested parties.
- Reviews the application to ensure it is consistent with the Lancaster County Unified Development Ordinance, Comprehensive Plan, and all adopted County plans.
- Makes a recommendation to the County Council.

3. County Council

- Approves, denies, or submits application to the Planning Commission for further study.
- Action requires three readings for approval

Description of Need for Proposed Text: Elevated Tanks are normally 120 to 150 feet tall, and the elevated tank height is dependent on the ground elevation and water system hydraulic grade line.

We offer the following information to support the text amendment: Lancaster County Water and Sewer District (LCWSD) charter allows LCWSD to provide water and sewer service to the unincorporated areas of Lancaster County. LCWSD sites elevated water storage tanks based to topographical elevations and water system hydraulics throughout the County which prohibits LCWSD from siting them by zoning district. We simply must site the tank at the best location for system hydraulics and topography considerations. Also, looking for available property is a challenge in high growth areas. LCWSD is subject to SC Department of Health and Environmental Control Regulations which require maintenance of elevated water tanks to meet drinking water standards and elevated tank design and maintenance standards. There will never be a situation where a tank is left standing and in disrepair to become a safety issue. SC DHEC would require the tank to be taken out of service and removed if it became a drinking water liability. Elevated Tanks are designed according to the American Water Works Association (AWWA) Standard D-100 per SC DHEC regulation R.61.58.4C2a. "Steel structures shall be designed in accordance with current AWWA Standard D-100". AWWA Section 4.7 Tank Stability Against Overturning states "The tank stability against overturning shall be checked as outlined in Section 3.8.3, 12.4, and 12.5 with the tank empty and maximum wind load. If applicable, stability under seismic loading shall also be checked with the tank full". The most conservative analysis is applying the wind load with the tank empty and applying the seismic load with the tank full. Section 12.5.1 Overturning stability states "The size of the foundation shall be sufficient to maintain bearing pressures below the ultimate bearing capacity of the soil when subjected to an overturning moment equal to 1.5 times the overturning moment determined for wind or seismic loads". It is required that the safety factor of elevated tank design is very stringent with built in safety factors which far exceed the standard building code. Elevated water tanks are normally operated with substantial water in them (more than ½ full) and are only drained for inspections and maintenance which are highly regulated and monitored events done during appropriate weather conditions.