



Planning, Development and Transportation

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DATE: 01.03.2018

TO: ProTrak

FROM: Mitesh Baxi

Traffic Engineering

WOODLANDS AT ECHO FARMS TRACT 2 [TRC Plan Review]

> Initial Review Note >

All comments are based on adopted policy documents, specific City of Wilmington Land Development Code (CofW LDC) and City of Wilmington Technical Standards and Specifications Manual (CofWTSSM) requirements in effect at the time of this review. These have been noted after the comment as appropriate for your ease in further research.

The City Engineer may administratively approve dimensional variance requests per LDC Sec. 18-348. If the Applicant feels further interpretation is in order, please contact Transportation Planning directly to discuss in additional detail. Please apply for all administrative variances in writing, an email is acceptable or this may be included on the plan set. Please see Sec. 18-348 of the Land Development Code for the information required to process a variance request.



BASE INFORMATION:

Revise all sheets to accurately illustrate the existing conditions on and surrounding this parcel.
Show all adjacent traffic signs, lane configurations, traffic control devices and pavement markings on the site inventory plan. Please refer to the Technical Standards and Specifications Manual (link is below) Ch. VII C.1.a.2.for specific information and distance requirements.
Contact Traffic Engineering at 341-7888 if you need assistance locating these elements.

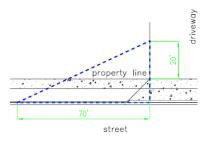
NCDOT:

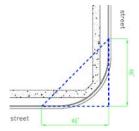
It is the Applicant's responsibility to coordinate directly with NCDOT to determine if any driveway permits/ revisions/ review processes are required. Contact NCDOT at 910. 251.2655. Please note additional comments may be forthcoming once coordination occurs.

TECHNICAL STANDARDS – NEW ROADS:

- 1. Please specify appropriately whether a section of Road to access units 25 to 30 will be designated as public ROW or private ROW.
- 2. The T-shaped turnaround off Road R must be as per SD 3-05. Dimension the radii accordingly.
- 3. The wheel chair ramps shown at the intersections with Independence Blv are not installed as per SD 3-09. The ramps at marked crossings must be wholly contained within the markings.
- 4. Install wheelchair ramp at corner of 22' wide backing stub, at the entrance of proposed parking area, opposite of units 47 & 48', at the entrance of proposed parking area, and at the end of T-shaped turnaround as per NCDOT and/or City standards. Connect sidewalk with ramp.
- 5. The minimum street corner radii is 35'. [7-5 CofW Tech Stds] Please amend wherever applicable on site plan.

6. The sight distance triangle for the street corner intersection is not as per City standard. Show and apply the City's 46'x46' sight distance triangle at each street corner intersection on the site plan. [Sec.18-529(c)(3)CofW LDC] Add a note indicating that all proposed vegetation within sight triangles shall not interfere with clear visual sight lines from 30"-10'. [Sec.18-556 CofW LDC] Also show and apply the City's 20'x70' sight distance triangle at the driveway for the proposed parking area.





TECHNICAL STANDARDS – PARKING:

- 7. Parking lot must meet requirements of standard details SD 15-11 CofW Tech Stds for parking lots under 25 stalls. Please amend the driveway width to 24' and design as per Chapter VII, Detail 3-03.1 & 3-03.2 CofWTSSM.
- 8. Twenty-four feet (24') is the minimum drive aisle width behind perpendicular parking. [Table 6, page 7-19 CofWTSSM]
- 9. The backing stub is to be 10' deep by 15' wide. Please revise and dimension. [Chapter VII, Detail SD 15-12 CofWTSSM]

STREET LIGHTING [City of Wilmington Street Lighting Policy]:

- 10. The street lighting plan is prepared assuming turnaround access for units 25 to 30 as a public ROW. Street lighting plan will be amended if the scenario changes.
- 11. The standard streetlight shall be a DEP enclosed cutoff (Cobra type), high pressure sodium vapor (HPSV) or DEP designated LED equivalent fixture installed within the recommended range of mounting heights for the specific fixture. The standard streetlight shall be installed on a wooden pole in areas served from overhead facilities and on a fiberglass pole in areas served from underground facilities.
- 12. A layout for the Standard street lighting has been provided with the review considering all Roads for this site as public ROW. Minimum of 10 (Ten) street lights are required for this sub-division. Although, developers may choose to provide any extra lights or ornamental. Any installations above the criteria of Standard street lighting, will be considered as non-standard and has to conform to the City's non-standard street lighting procedure as per the policy.
- 13. Developers shall bear any installation costs associated with streetlights, if applicable. In areas served from underground facilities, the developers shall pay the one-time underground contribution charge, if applicable.
- 14. The Planning, Development and Transportation Director or designee and the City Landscape Designer will coordinate plaza plantings and streetlight locations to minimize the obstruction of light by vegetation.

GENERAL NOTES TO ADD TO THE PLAN:

- A. All signs and pavement markings in areas open to public traffic are to meet MUTCD (Manual on Uniform Traffic Control Devices) standards. [Detail SD 15-13 CofW Tech Stds]
- B. It shall be the responsibility of the subdivider to erect official street name signs at all intersections associated with the subdivision in accordance with the Technical Standards and Specifications Manual. The subdivider may acquire and erect official street name signs or may choose to contract with the city to install the street signs and the subdivider shall pay the cost

- of such installation. Contact Traffic Engineering at 341-7888 to discuss installation of traffic and street name signs. Proposed street names must be approved prior to installation of street name signs.
- C. Contact Traffic Engineering at 341-7888 forty-eight hours prior to any excavation in the right of
- D. If these units are sold at any point, the buyer must receive a subdivision street disclosure statement. Please note this on the site plan and advise the property owner of this requirement. [Sec.18-378 (e) CofW LDC]

MISCELLANEOUS:

- ❖ Permitting of business identification signage is a separate process. NCDOT/ City of Wilmington will not allow obstructions within the right of way.
- ❖ Contact Traffic Engineering at (910) 341-7888 to discuss street lighting options.

Please let me know if you have any questions or if I can be of further assistance as this development moves through the review process.

