



DATE: 11.08.2013
TO: ProTrak
FROM: Bill McDow
Transportation Planning

■ **FIRE STATION No. 3 [Initial plan review]**

∞ Initial Review Note ∞

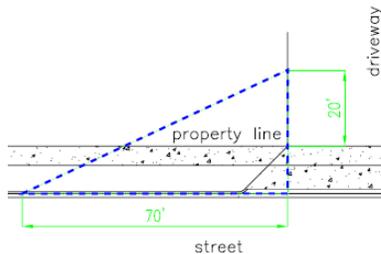
All comments are based on adopted policy documents, specific City of Wilmington Land Development Code (CofW LDC) and City of Wilmington Technical Standards and Specifications Manual (CofWTSSM) requirements in effect at the time of this review. These have been noted after the comment as appropriate for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



TECHNICAL STANDARDS – ACCESS (driveway, sidewalk, sight distance):

1. Provide a detail for the curb transition between the driveway curbing and the curbing along Cinema Dr.
2. Dimension driveway widths and tapers. [Sec.18-529 CofW LDC]
3. Revise upper driveway. The maximum two-lane driveway width is 30'. The 4 bay Fire Engine driveway is exempt from this requirement. [7-9 CofW Tech Stds]
4. Show all adjacent traffic signs and pavement markings on the plan. [Sec. 18-529(b)(2) CofW LDC]
5. Cinema Drive is not a NCDOT street, therefore the 10'X70' Sight Distance Triangle is incorrect. Show and apply the City's 20'x70' sight distance triangle at each driveway on the site plan and landscaping 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.18-566 CofW LDC]



6. The landscaping plan shows trees within the 20'x70' sight distance triangle. Please revise.

TECHNICAL STANDARDS – PARKING:

7. Dimension parking stalls, radii and parking aisles for the public parking lot. [\[Sec. 18-529\(b\)\(2\) CofW LDC\]](#)
8. The minimum standard vehicle parking space size is 8.5' in width by 18' in length. The parking spaces within the public parking lot appear to be less than these dimensions.
9. Provide a detail for the slide gates and fence.
10. The minimum radius is 25' for any portion of a parking lot adjacent to a travel way (i.e. islands at the end of a parking bay) for parking that is open to the public. If the travel way will not be used for emergency service vehicles or truck traffic, you may request a tighter radius, the minimum is 15'. This request must be made in writing (an email message is acceptable). [\[Chapter VII, Detail SD 15-13 CofWTSSM\]](#)
11. The height of wheel stops shall be 4". Please revise the dimensions on the site plan, and details sheets.
12. The high visibility crosswalk across Cinema Dr should be designed in accordance with Standard Detail SD 11-11 and marked with MUTCD advanced warning signs. [\[Detail SD 11-11 CofWTSSM\]](#)
13. Show the location of the dumpster on the site plan and landscaping plan.
14. Provide the required number and the proposed number of bicycle parking to the site data table in accordance with Section 18-528 of the City of Wilmington Land development Code.
15. Provide the bike rack for the bike parking noted on the plans. [\[Sec.18-528 CofW LDC\]](#)

TECHNICAL STANDARDS – Barrier Free Design:

16. Dimension the proposed sidewalks on the site. Ensure the proposed sidewalk where adjacent to 90 degree parking spaces meets ADA requirements. An allowance for a 2.5' vehicle overhang must be considered. 4' of the sidewalk must remain clear for pedestrian use. [\[Chapter VII, Detail SD 15-13 CofWTSSM\]](#)
17. Please show location of handicap ramp(s) and signs and provide details on the plan.

GENERAL NOTES TO ADD TO THE PLAN:

- A. All pavement markings in public rights-of-way and for driveways are to be thermoplastic and meet City and/or NCDOT standards. [\[Detail SD-13 CofW Tech Stds\]](#)
- B. All signs and pavement markings in areas open to public traffic are to meet MUTCD (Manual on Uniform Traffic Control Devices) standards. [\[Detail SD 15-13 CofW Tech Stds\]](#)
- C. All traffic control signs and markings off the right-of-way are to be maintained by the property owner in accordance with MUTCD standards.
- D. All parking stall markings and lane arrows within the parking areas shall be white.
- E. A utility cut permit is required for each open cut of a City street. Note this on the plan and contact 341-5888 for more details. In certain cases an entire resurfacing of the area being open cut may be required.
- F. Any broken or missing sidewalk panels, driveway panels and curbing will be replaced.
- G. Contact Traffic Engineering at 341-7888 forty-eight hours prior to any excavation in the right of way.

MISCELLANEOUS:

- ❖ Permitting of business identification signage is a separate process. NCDOT/ City of Wilmington will not allow obstructions within the right of way.
- ❖ Contact 341-7888 to discuss street lighting options.
- ❖ Include appropriate City of Wilmington approval stamps prior to submitting final plans.

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.