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DATE: 04.07.2015
TO: ProTrak
FROM: Bill McDow
Transportation Planning

■ **WILMINGTON TIRE AND AUTO [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.

TRAFFIC IMPACT:

- ❖ Per the Institute of Transportation Engineers (ite) Trip Generation 9th Edition, 2012, Microtrans trip Generation Software; the estimated Trip Generation for the proposed **Retail Parts Sales + 2490 SF** (ite land use code 843) is 6 total driveway volume in the AM peak hours, 15 total driveway volume in the PM peak hours and 154 average weekday 2-way driveway volume. The estimated Trip Generation for the proposed **Repair Service + 5354 SF** (ite land use code 848) is 16 total driveway volume in the AM peak hours, 22 total driveway volume in the PM peak hours and 133 average weekday 2-way driveway volume. Total Driveway Volume is 22 in the AM Peak, 37 in the PM Peak and 287 average weekday 2-way volume.
- ❖ Based upon the proposed Land Usage and Intensity, a Traffic Impact Analysis (TIA) will not be required for this development.

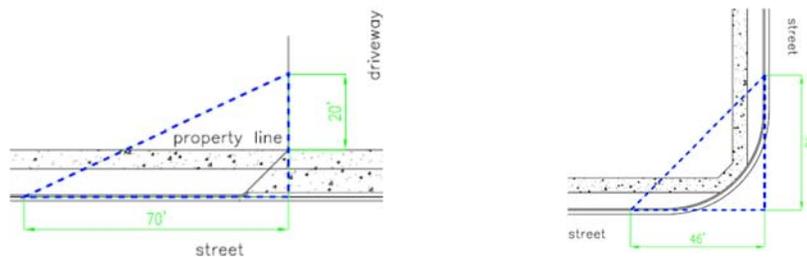
NCDOT:

- It is the Applicant's responsibility to coordinate directly with NCDOT to determine if any driveway permits/ revisions/ review processes are required. Contact Allen Hancock, PE at 910.251.2655. Please note additional comments may be forthcoming once coordination occurs.

- Based upon the Average Daily Traffic volume for Oleander Dr. (39,000 VPD) and the Clear Recovery Zone distance for a NCDOT facility with speeds between 45- 50 mph(18-20 feet), the sidewalk must have a minimum distance of 18 feet from the edge of pavement.
- The sidewalk will be approximately 2-3' over the ROW, therefore, a Pedestrian Access Easement and three party encroachment agreement between the NCDOT, City of Wilmington and Applicant must be completed.

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

1. Please clarify the width and location of the Pedestrian Access Easement on Bagley Ave.
2. Show the location of adjacent driveways across the street on Bagley Ave.
3. Driveways shall be City-standard ramp-type driveways. Show appropriate City standard detail(s) on plan. [[Chapter VII ,Detail SD 8-02 \(curb\) CofWTSSM](#)]
4. The proposed Bagley Ave driveway is greater than the maximum two-lane driveway width of 30'. [[7-9 CofW Tech Stds](#)]
5. Show all adjacent traffic signs and pavement markings on the plan. [[Sec. 18-529\(b\)\(2\) CofW LDC](#)]
6. Show any traffic signal facilities and equipment in front of the development. Contact Traffic Engineering at 341-7888 for help in identifying these.
7. Show and apply the City's 20'x70' sight distance triangle at each driveway and the City's 46'x46' sight distance triangle at each street corner intersection 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](#)]



TECHNICAL STANDARDS – PARKING:

8. The site has proposed more parking spaces than the maximum plus 25% allowed.
9. Please show the service bays for the auto repair service portion of the building.
10. Show a detail for the pervious pavement.

TECHNICAL STANDARDS – Barrier Free Design:

11. Please show location of handicap signs and provide details on the plan.

REVISIONS TO NOTES ON THE PLAN:

12. Please revise notes #6 on sheet C2 and C3 to reflect the following verbiage:
#6: Contact 341-7888 to discuss street lighting options.

MISCELLANEOUS:

- ❖ Permitting of business identification signage is a separate process. NCDOT/ City of Wilmington will not allow obstructions within the right of way.
- ❖ Transportation Planning Staff will review the landscape plan once submitted for compliance with sight distance requirements.

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.