



**Planning, Development
and Transportation**

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DATE: 12.19.2018

TO: ProTrak

FROM: Mitesh Baxi
Traffic Engineering

■ **MCDONALD'S REMODEL [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 for the intersection of Military Cutoff Rd/Eastwood Rd, Military Cutoff Rd/Commonwealth Dr 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.
<https://www.wilmingtonnc.gov/home/showdocument?id=1910>

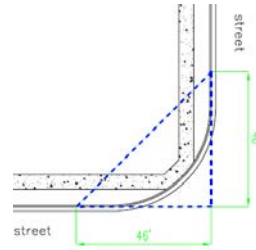
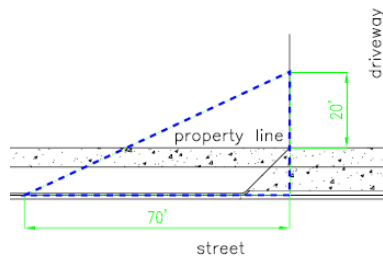
NCDOT:

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 910-398-9100. Please note additional comments may be forthcoming once coordination occurs.

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

1. Stop sign shall be installed at all the street type driveways accessing this property. [MUTCD]
2. An appropriate traffic signage shall be installed for the movement restricted drive aisles. 'Do not enter' may be installed for the NW drive aisle. 'No left turn' signage may be installed for the middle aisle entering from second driveway of southern boundary. [MUTCD]
3. Any of the required signs shall not be installed in the public right-of-way when the signs being installed are intended to function as traffic control for a private driveway (Figure 1.4, Figure 2.1). [Sec 1 A (18) CofW Sign Specification]
4. Traffic signage shall be installed for the one-way and two-way traffic regulation for the drive aisles to the south of the building.
5. Dimension the sidewalks in the vicinity of the restaurant building.

6. Show driveways for adjacent lots and lots across the street.
7. Dimension driveway widths. [Sec.18-530 CofW LDC]
8. 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 sight 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.18-556 CofW LDC] [Sec. 18-812 CofW LDC]



TECHNICAL STANDARDS – PARKING:

9. Dimension the radii of the parking aisle.
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. Provide the turning movement analysis for the fire truck accessing this property.
12. Provide wheel stops for parking spaces adjacent to any proposed retaining walls to allow for car overhang and prevention of cars hitting the wall. [Page 7-20 of CofWTSSM]

TECHNICAL STANDARDS – Barrier Free Design:

13. Show the typical handicap sign detail on the plan as per ADA and City standards. [Sheets A1 of 5 and A2 of 5, CofW Sign Specification] <https://www.wilmingtonnc.gov/home/showdocument?id=3940>
14. The sidewalk as proposed where adjacent to angled parking spaces to the north of the building, does not seem to meet 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] [Page 7-20 of CofWTSSM]. Provide wheel stop where required.
15. Detectable warning domes must be installed for all the ADA ramps and at the end of each sidewalk before entering drive aisle/pavement surface. It provide a distinctive texture intended to have a uniform meaning in alerting persons to the approach to vehicular areas [City/ADA standards] [Chapter II (E) (6) of CofWTSSM] [CofW SD 3-07, SD 3-09 & SD 11-11]. Show the graphics on site plan.

GENERAL NOTES TO ADD TO THE PLAN:

- A. Any broken or missing sidewalk panels, driveway or curbing will be replaced.

NOTE TO BE AMENDED:

- ❖ Note 7 of City of Wilmington Notes on sheet C-3 shall be replaced with below note; 'Contact Traffic Engineering at (910) 341-7888 to discuss street lighting options.'

MISCELLANEOUS:

- ❖ Contact Traffic Engineering at (910) 341-7888 to discuss street lighting options.
- ❖ We will reserve comments on the parking lot, driveway geometry and other technical issues until a full construction drawing is submitted.

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.