

Rezoning Transportation Analysis

Petition Number: 2018-011

General Location Identifier: 08110601

From: Felix Obregon, PE
fobregon@charlottenc.gov
704-432-5729

Reviewer: Carlos Alzate
calzate@charlottenc.gov
704-432-0672

Revision Log:

Date	Description
02-15-17	First Review
05-21-18	Second Review
08-20-18	Third Review
09-18-18	Fourth Review

General Review Information

The site is at the unsignalized intersection of E 17th St (local) and N McDowell St (local) and is located in a wedge inside Route 4. The site is within the limits of the Belmont Area Revitalization Plan. Less than ¼ mile from local bus routes 3 (The Plaza) and 23 (Shamrock) and Cross Charlotte Trail.

CDOT's review of this rezoning petition is intended to ensure consistency with the Transportation Action Plan (TAP) which seeks to ensure that the City's transportation network supports current and future land uses and includes streets that provide safe and comfortable mobility for motorists, pedestrians, bicyclists, and transit users.

This document is primarily for communication to Planning Department staff as part of the overall City staff analysis of the rezoning petition and includes an overall summary of the case from a transportation perspective, information on trip generation, and resolved or outstanding site plan concerns. Additional advisory information about the driveway permit process is provided for information only.

Based on our review of the petition, we offer the following information for your consideration.

Transportation Summary

The site is located at the intersection of two local roads. Currently the site has existing 4 foot back of curb sidewalk on East 17th Street and no sidewalk on North McDowell Street. CDOT continues to ask for streetscape improvements to City standards of 8 foot planting strip and 6 foot sidewalk which support proposed development.

Trip Generation

Scenario	Land Use	Intensity	Trip Generation (vehicle trips/day)	Source
Existing Use	Vacant	N/A	0	Tax Record
Entitlement with Current Zoning	Single Family (0.17 ac of R-5)	1 dwelling	10	General Guidance from Planning
Proposed Zoning	Townhomes	5 dwellings	50	Site Plan: 09-10-18-18

Outstanding Issues

Strikeout = Not an outstanding issue

- ~~**Curblines** The proposed zoning district has a setback measured from back of the existing or proposed future curblines. The existing curblines for E. 17th st and for N. McDowell St are in the correct future~~

Rezoning Transportation Analysis

Petition Number: 2018-011

General Location Identifier: 08110601

location. However, the curbs shown on the site plan do not match existing conditions. The petitioner should revise plan to show the correct existing curbs.

- ~~2. **Traffic Study** A Traffic Impact Study/Transportation Technical Memorandum is not needed for the complete review of this petition.~~
3. The petitioner should revise the site plan to show 8 foot planting strip behind the curb and 6 foot sidewalk across site frontage on East 17th Street and across site frontage on North McDowell Street.
4. The petitioner should revise the site plan to add a note specifying dedication and fee simple conveyance of all rights-of-way to the City before the site's first building certificate of occupancy is issued. CDOT requests right of way set at 2' behind back of sidewalk where feasible.

Advisory Information

The following are requirements of the developer that must be satisfied prior to driveway permit approval. We recommend that the petitioner reflect these on the rezoning plan as-appropriate.

1. According to the City of Charlotte's Driveway Regulations, CDOT has the authority to regulate/approve all private street/driveway and public street connections to the right-of-way of a street under the regulatory jurisdiction of the City of Charlotte.
2. Adequate sight triangles must be reserved at the existing/proposed street entrance(s). Two 35' x 35' sight triangles (and two 10' x 70' sight triangles on North Carolina Department of Transportation on NCDOT maintained streets) are required for the entrance(s) to meet requirements. All proposed trees, berms, walls, fences, and/or identification signs must not interfere with sight distance at the entrance(s). Such items should be identified on the site plan.
3. The proposed driveway connection(s) to public streets will require a driveway permit(s) to be submitted to CDOT (and the North Carolina Department of Transportation on NCDOT maintained streets) for review and approval. The exact driveway location(s) and type/width of the driveway(s) will be determined by CDOT during the driveway permit process. The locations of the driveway(s) shown on the site plan are subject to change in order to align with driveway(s) on the opposite side of the street and comply with City Driveway Regulations and the City Tree Ordinance.
4. All proposed commercial driveway connections to a future public street will require a driveway permit to be submitted to CDOT for review and approval.
5. Any fence or wall constructed along or adjacent to any sidewalk or street right-of-way requires a certificate issued by CDOT.
6. A Right-of-Way Encroachment Agreement is required for the installation of any non-standard item(s) (irrigation systems, decorative concrete pavement, brick pavers, etc.) within a proposed/existing City maintained street right-of-way by a private individual, group, business, or homeowner's/business association. An encroachment agreement must be approved by CDOT prior to the construction/installation of the non-standard item(s). Contact CDOT for additional information concerning cost, submittal, and liability insurance coverage requirements.