

Rezoning Transportation Analysis

Petition Number: 2020-012

General Location Identifier: 02761104, 02761105

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

Reviewer: Walta Blackmon, PE
walta.brumschine@ci.charlotte.nc.us
704-432-1556

Revision Log:

Date	Description
02-18-2020	First Review
04-16-2020	Second Review

General Review Information

The site is located along Eastfield Road (minor thoroughfare, state maintained). They are requesting to connect to realigned Browne Road (minor thoroughfare) and is located in a wedge outside Route 4. The site is within the Prosperity Hucks Area Plan.

Active Projects Near the Site:

- Project Name
 - N/A

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 has access to minor thoroughfares. The petitioner is providing local street network connecting Eastfield Road and Browne Road. The petitioner is providing curb and gutter and sidewalk along Eastfield Road. CDOT continues to request left-turn lanes on Eastfield Road and Browne Road mitigate for the additional traffic by the development.

Trip Generation

Scenario	Land Use	Intensity	Trip Generation (vehicle trips/day)	Source
Existing Use	Single Family	1 dwelling	10	Tax Record
Entitlement with Current Zoning	Single Family (21.92 ac of R-3)	65 dwellings	700	General Guidance from Planning
Proposed Zoning	Single Family Townhomes	38 dwellings 48 dwellings	750	Site Plan: 12-12-19

Rezoning Transportation Analysis

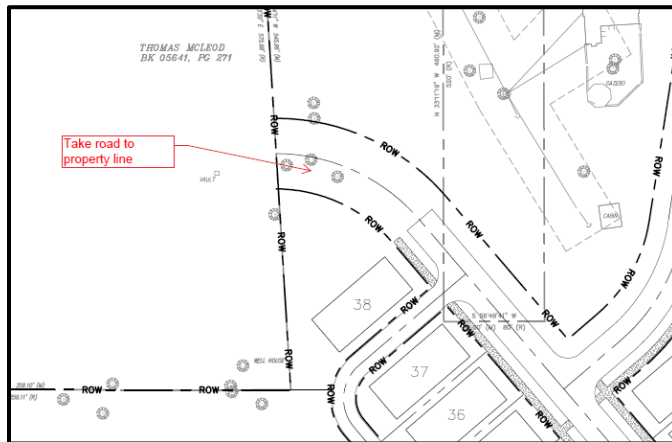
Petition Number: 2020-012

General Location Identifier: 02761104, 02761105

Outstanding Issues

Strikeout = Not an outstanding issue

- ~~1. **Curbline** The proposed zoning district has a setback measured from back of the existing or proposed future curbline.
Eastfield Road: The future location of back of curb and gutter is 16.5' from centerline.
The site plan should show the curb and gutter labeled and dimensioned from the centerline for each road.~~
- ~~2. **Traffic Study** A Traffic Impact Study is not necessary for the complete review of this petition. If during the permitting process the site generates more than 2500 daily trips, then a traffic study will be required.~~
3. The petitioner should revise the site plan and conditional note(s) to commit to dedicate 35' of right-of-way from the road centerline to meet CRTPO guidelines for a minor thoroughfare. The site plan should label and dimension the right-of-way from the road centerline.
- ~~4. The petitioner should revise the site plan and conditional note(s) to extend road "B" to western property line.~~

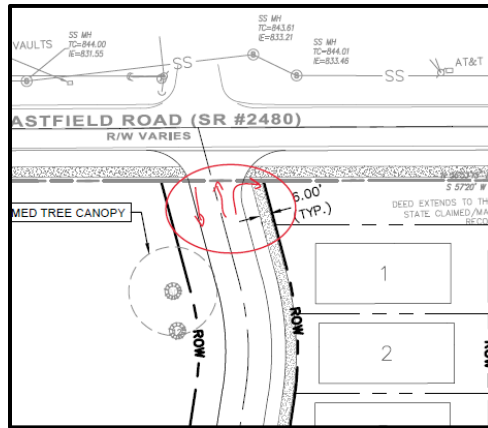


5. The petitioner should revise the site plan and conditional note(s) to construct a left turn lane on Eastfield Road into Road "A".
6. The petitioner should revise the site plan and conditional note(s) to construct a left turn lane on Browne Road into Road "B".
- ~~7. CDOT is requesting the petitioner revise the site plan and conditional note(s) to create a three-lane section on Road "A" where it connects to Eastfield Road as shown below.~~

Rezoning Transportation Analysis

Petition Number: 2020-012

General Location Identifier: 02761104, 02761105



8. 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.
9. The petitioner should revise the site plan to add a note specifying all transportation improvements will be approved and constructed before the site's first building certificate of occupancy is issued. The petitioner may phase transportation improvements if said improvements and phasing are explicitly described in site plan notes.
10. ~~Resolved~~ Sample format for comment that is resolved

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.