

Rezoning Transportation Analysis

Petition Number: #2022-089

General Location Identifier: 03324105, 03324111, 03324116, 0332124, 03324125, 03324126

From: **Jake Carpenter, PE**

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Revision Log:

Date	Description
11-28-22	First Review (TM)
01-25-23	Second Review (TM)

General Review Information

The petition is located on the south side of Mt Holly-Huntersville Road, a State-maintained major throughfare west of Oakdale Road, a State-maintained minor throughfare. The petition is located in the north west corridor outside Route 4.

Active Projects Near the Site:

- N/A

CDOT's review of this rezoning petition is intended to provide consistency with council adopted policies, plans, standards and guidelines including, but not limited to, the [Transportation Action Plan \(TAP\)](#), [Vision Zero](#), [Urban Street Design Guidelines \(USDG\)](#), [Center, Corridor and Wedges](#), [Charlotte BIKES](#), [Traffic Impact Study Guidelines](#) and [Charlotte WALKS](#). With a commitment to design complete streets, this review is 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 petition is located on the west side of Old Statesville Road, a State-maintained major throughfare south of Vance Davis Drive, a City-maintained major collector. A Traffic Impact Study (TIS) is not needed for this site. Site plan revisions are needed to meet ordinance requirements and/or the outstanding items including, but not limited to committing to turn lane improvements on Mt Holly Huntersville Road , constructing internal public roadways to CLDSM standards, labeling and conditional note revisions. Further details are listed below.

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Trip Generation

Scenario	Land Use	Intensity	Trip Generation (vehicle trips/day)	Source
Existing Use	Single Family Detached	3 Dwelling Units	25	Tax Record
Entitlement with Current Zoning	Single Family (R-3, 43.72 acres)	131 Dwelling Units	1,295	General Guidance from Planning
Proposed Zoning	Multifamily (Low-Rise) Single Family Attached (MX-2, 43.72 acres)	102 Dwelling Units 218 Dwelling Units	2,345	Site Plan: 5/17/2022
Proposed Zoning	Multifamily (Low-Rise) Single Family Attached (MX-2, 43.72 acres)	56 Dwelling Units 257 Dwelling Units	2,345	Site Plan: 1/17/2023

Provide comments to the specified comments below.

Outstanding Issues

Strikethrough = Resolved

1. **Curblines:** The proposed zoning district has a setback measured from back of the existing or proposed future curblines.
 - a. **Mt Holly Huntersville Road:** The future location of curb and gutter is measured at 30-feet from the centerline of the roadway to the BOC.

Label and dimension the curb and gutter from the centerline for each road on the site plan.

~~2. Traffic Study:~~

~~A Traffic Impact Study (TIS) is not necessary for the complete review of this petition due to the site generating less than 2,500 daily trips. If during the permitting process the site generates more than 2,500 daily trips, then a traffic study will be required.~~

- ~~3. Revise site plan and conditional note(s) to commit to dedicate 50 feet of right-of-way from the road centerline. The site plan shall label and dimension the right-of-way from the road centerline.~~
- ~~4. Revise site plan and conditional note(s) to commit to construct an 8-foot planting strip, and 12-foot multi-use path on Mt Holly Huntersville Road per Chapter 19. The site plan shall label and dimension both items from the back of curb and gutter and road centerline.~~
- ~~5. The proposed dwelling units exceeds 12 per acre. Per Chapter 20 Subdivision ordinance, site plan and conditional note(s) revisions are needed to commit to construct an 8-foot planting strip, and 12-foot multi-use path along Mt Holly Huntersville road. The wider sidewalk also meets the Charlotte WALKS Policy.~~
- ~~6. Site plan and conditional note(s) revisions are needed to commit to construct bicycle facilities by locating the curb and gutter 30 feet from the center line and installing a 12' multi-use path on Mt Holly Huntersville Road to meet the City Charlotte BIKE Policy.~~

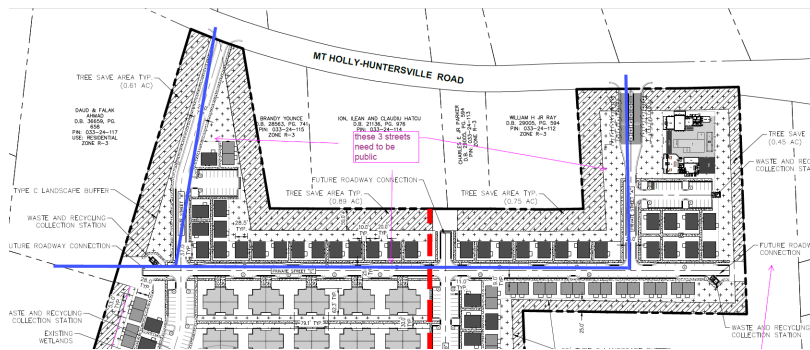
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7. Site plan and conditional note(s) revisions are needed to commit private street A, B & C as public roadways. Public street C to stub to the western property line for a future roadway connection. The public roadways are to be designed to CLDSM standards U-03 to accommodate on-street parking. The Right-of-way, curb line and sidewalk are to be dimensioned from the roadway centerline. Add a conditional note committing to the construction of each public roadway.

Clarifying Comment (01-25-23): Add a conditional note committing to the construction of each public roadway. Identify each roadway as U-03 on the site plan and in the conditional note.



8. **Outstanding Comment from 11-28-22:** Site plan and conditional note(s) revisions are needed to label roadway "B" site access as right-in right-out and roadway "A" site access as full movement. A right-turn lane is required at site access B, site plan shall label and dimension turn lane. A right-turn lane and left-turn lane is required at site access A, site plan shall label and dimension turn lane.

Clarifying Comment (01-25-23): Site plan and conditional note revisions are need to show turn lane improvements as outlined above on the site plan. The site plan shall label and dimension the components of the turn lane. Add a conditional note committing to the turn lane improvements. Coordinate with NCDOT on turn lane storage length requirements.

- ~~9. A site plan note(s) 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 as needed. CDOT requests rights-of-way set at 2' behind back of sidewalk where feasible.~~
10. A site plan note specifying that all transportation improvements will be approved and constructed before the site's first building certificate of occupancy is issued as needed. The petitioner may phase transportation improvements if said improvements and phasing are explicitly described in site plan notes.
11. Add conditional note "All public roadway improvements will be subject to the standards and criteria of CDOT and NCDOT, as applicable, to the roadway improvements within their respective road system authority. It is understood that such improvements may be undertaken by the Petitioner on its own or in conjunction with other development or roadway projects taking place within the broad north western Mecklenburg area, by way of a private/public partnership effort or other public sector project support."

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12. Revise site plan to construct a 12-foot multi-use paths on Mt Holly Huntersville Road. The site plan shall label and dimension both items from the back of curb and gutter and road centerline. The entire facility must be outside of the right of way and within a public access easement. Add conditional note committing to construction and maintenance of the 12-foot multi-use paths on Mt Holly Huntersville Road.

Advisory Information

The following are requirements of the developer that must be satisfied prior to driveway permit approval. These requirements shall be reflected on the rezoning plan, as appropriate.

1. The setback for this district is measured from the back of the existing or future curblines as determined by CDOT and Planning during the permitting process.
2. 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, per the City of Charlotte's Driveway Regulations.
3. Adequate sight triangles must be reserved at the existing/proposed street entrance(s). Two 50' x 50' sight triangles (and two 10' x 70' sight triangles on NCDOT-maintained streets) are required for the entrance(s) to meet requirements. All proposed trees, berms, walls, fences, and/or identification signs shall not interfere with sight distance at the entrance(s) and shall be identified on the site plan.
4. The proposed driveway connection(s) to public streets will require a driveway permit(s) to be submitted to CDOT (and NCDOT 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.
5. All proposed commercial driveway connections to a future public street will require a driveway permit submitted to CDOT for review and approval.
6. Any fence or wall constructed along or adjacent to any sidewalk or street right-of-way requires a certificate issued by CDOT.
7. 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 construction/installation. Contact CDOT for additional information concerning cost, submittal, and liability insurance coverage requirements.
8. The petitioner needs to complete and submit the [Right of way Abandonment Petition form](#) to CDOT for review. The decision of this rezoning petition does not correlate with the decision of the possible abandonment, as this decision is issued within the separate Right of Way Abandonment process that is controlled by North Carolina General Statutes.
9. To attain a street and pedestrian lighting recommendation, the petitioner should coordinate with Anthony Mendez, CDOT. Please visit the following link:
<https://charlottenc.gov/Transportation/Programs/Pages/StreetLighting.aspx>