

Rezoning Transportation Analysis

Petition Number: 2023-039

General Location Identifier: 18736112, 18736103, 18736111, 18736104, 18736152, 18736105, 18736106, 18736110, 18736151

From: Jake Carpenter, PE

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Reviewer:

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Revision Log:

Date	Description
7-26-23	First Review (IW)
11-27-23	Second Review (DR)
2-21-24	Third Review (NK)

General Review Information

The petition is located at the intersection of Providence Road, a State-maintained major arterial, and International Drive, a City-maintained local street. The petition is located in a south wedge outside of Route 4.

Active Projects Near the Site:

- Active Rezoning 2023-023 Horizon Old Providence
- Active Rezoning 2023-038 Levine Properties

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 at the intersection of Providence Road, a State-maintained major arterial, and International Drive, a City-maintained local street. A Traffic Impact Study (TIS) is required due to the site exceeding 2,500 trips. The scope for the TIS has been approved on June 8, 2023. The TIS was first submitted on October 23, 2023. Site plan revisions are needed to update intersection and driveway alignment. 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	2 Dwelling Units	20	<i>Tax Record</i>
Entitlement with Current Zoning	Single Family (R-3, 20.12 acres)	60 Dwelling Units	635	<i>General Guidance from Planning</i>
Proposed Zoning	Single Family Attached Multifamily (Mid-Rise) (MUDD-O, 20.12 acres)	63 Dwelling Units 573 Dwelling Units	3,020	<i>Site Plan: 01-31-23</i>
Proposed Zoning	Single Family Detached Single Family Attached Multifamily (Mid-Rise) (MUDD-O, 20.12 acres)	15 Dwelling Units 80 Dwelling Units 650 Dwelling Units	3,792	<i>Site Plan: 01-31-23</i>

Petitioner to provide responses to the staff comments below as well as specify other changes to the site plan.

Outstanding Issues

Strikethrough = Resolved

1. ~~Curbline:~~

- a. ~~**Providence Road:** Location of back of curb and gutter to be moved to 33 feet from roadway centerline to accommodate the Charlotte Streets Map with a roadway typical section of 4+ Boulevard, shared use path.~~
 - i. ~~This dimension could change depending on mitigations resulting from the Traffic Study.~~
- b. ~~**Old Providence Road:** Location of curb and gutter to be moved to 27 feet from roadway centerline to accommodate the Charlotte Streets Map with a roadway typical section of 2+ Avenue Buffered/Separated Bike Lanes.~~
 - i. ~~This dimension could change depending on mitigations resulting from the Traffic Study.~~

~~NOTE: Additional distance from center line to back of curb may be required in locations where a median is present or around intersections and interchanges.~~

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

2. Traffic Study:

A Traffic Impact Study is required for the complete review of this petition due to the site generating more than 2,500 daily trips and/or triggering other City TIS requirements.

Additionally, this petition is coordinating to study the roadway network in conjunction with other ongoing projects in the immediate area. The overall study may have impacts on the improvements this project may be required to do.

Staff will receive the petition and begin review, but the public hearing will not be scheduled until the TIS is approved to allow for the minimum time necessary for CDOT to review the study and reach agreement with the petitioner on the required transportation commitments. Any agreed upon commitments shall be included on the last site plan submitted no fewer than 4 weeks prior to the public hearing. Therefore, additional traffic mitigation comments may be forthcoming once the TIS is approved by CDOT (and NCDOT).

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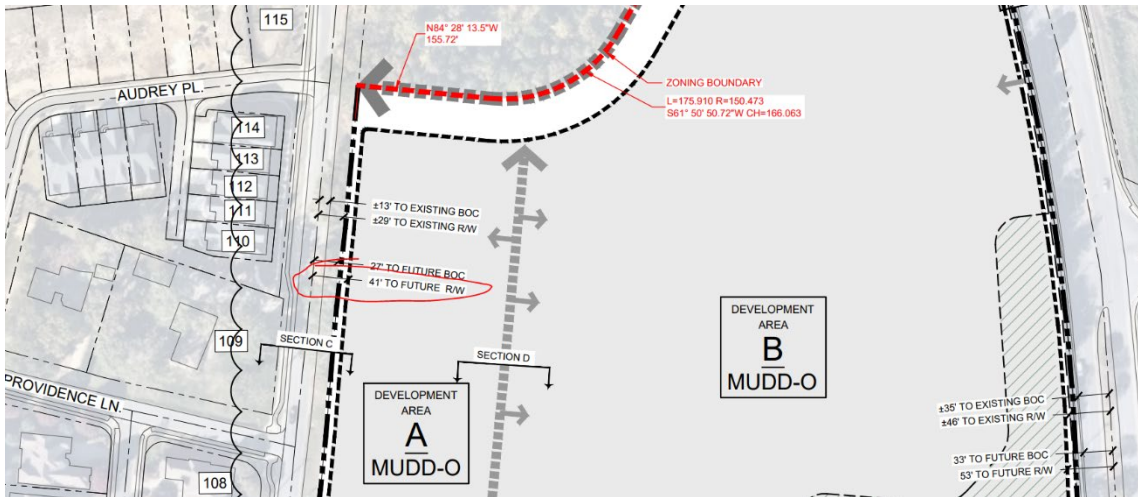
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Outstanding Comment 02.21.2024: Awaiting TIS resubmittal.

3. Additional comments to be provided by CDOT once traffic study is approved.

~~4. Revise site plan and conditional note(s) to commit to dedicate 55' of right-of-way from the Providence Road centerline. The site plan shall label and dimension the right-of-way from the road centerline.
a. This dimension could change depending on mitigations resulting from the Traffic Study.~~

~~5. Revise site plan and conditional note(s) to commit to dedicate 43' of right-of-way from the Old Providence Road centerline. The site plan shall label and dimension the right-of-way from the road centerline.
a. This dimension could change depending on mitigations resulting from the Traffic Study~~



b. Petitioner shall dedicate 41 feet of right-of-way from the Old Providence road centerline.

~~**Clarifying comment 11.27.23:** ROW dedication for Old Providence should be 43' based on the 8' sidewalk on Old Providence Road instead of the 6' sidewalk dimension shown on Section C.~~

~~6. Revise site plan and conditional note(s) to commit to construct an 8-foot planting strip, and 12-foot sidewalk on Providence Road per the Council-adopted Charlotte Streets map and the Council-adopted Charlotte BIKES Policy. Multi-use paths maintained by the City shall meet ADA/PROWAG requirements. The site plan shall label and dimension both items from the back of curb and gutter or edge of pavement.~~

~~7. CDOT requests that the petitioner revise site plan and conditional note(s) to commit to extending the streetscape of 8' PS and 12' MUP on Providence Road to connect to the McAlpine Creek trail.~~

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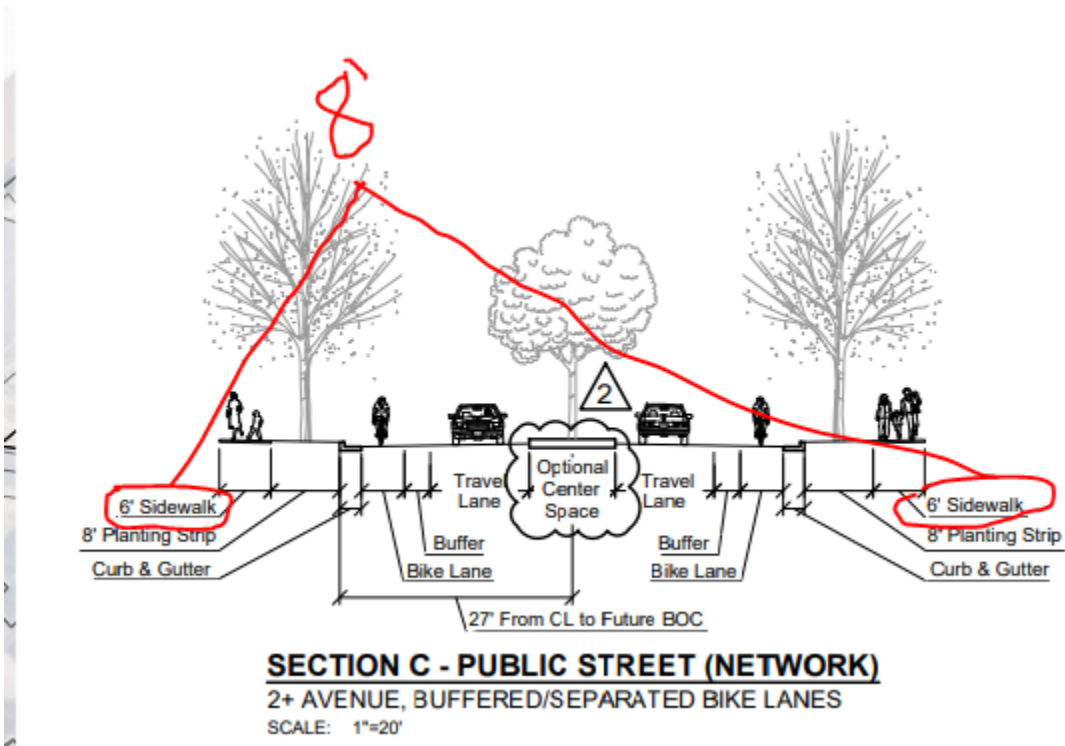
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8. The proposed dwelling units exceeds 12 per acre. Per Chapter 20 Subdivision ordinance, revise site plan and conditional note(s) to commit to construct an 8-foot planting strip, and 8-foot sidewalk along Old Providence Road. The wider sidewalk also meets the Charlotte WALKS Policy.

Reference (CLDSM standard detail U-04.16) for street typical.

~~New Comment 11.27.23:~~ Section C public street network sidewalk width does not match the conditional note. Revise Section C to have an 8' sidewalk like the conditional notes for the Old Providence Road section.

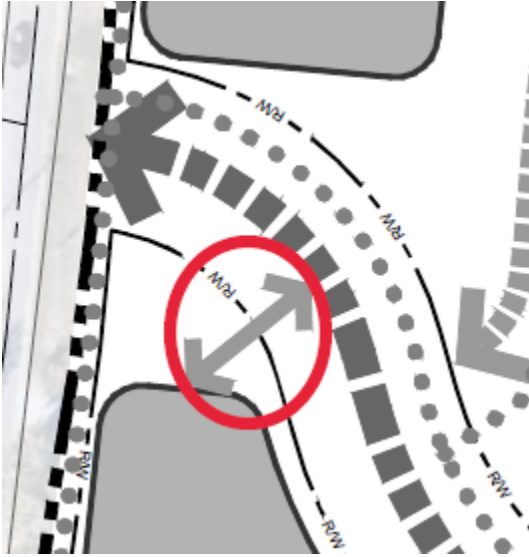


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17. **New Comment 2.21.24:** Ensure that any proposed access points are at least 75' from unsignalized intersections.



18. **New Comment 2.21.24:** All public street intersections will be required to meet design criteria including, but not limited to, spacing and sight distance standards. During permitting if driveways do not meet sight distance and spacing requirements, they may be limited to restricted access.

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. 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.
2. 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.
3. 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.
4. All proposed commercial driveway connections to a future public street will require a driveway permit 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. To obtain a street and pedestrian lighting recommendation, the petitioner should visit the following link: <https://charlottenc.gov/Transportation/Programs/Pages/StreetLighting.aspx>