

Rezoning Transportation Analysis

Petition Number: #2022-109

General Location Identifier: 09709418

From: Jake Carpenter, PE

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Reviewer:

Isaiah Washington

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Revision Log:

Date	Description
11-28-22	First Review (IW)
12-21-22	Second Review (IW)
01-25-23	Third Review (TM)
03-22-23	Forth Review (IW)
09-25-23	Fifth Review (IW)

General Review Information

The petition is located at the end of Plainfield Drive, a City-maintained local street south of Bridgeport Drive, a City-maintained local street. The petition is located in an east wedge outside of Route 4, and within the Eastside Strategy Plan Study Area.

Active Projects Near the Site:

- There are no active projects the vicinity of this project

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 end of Plainfield Drive, a City-maintained local street south of Bridgeport Drive, a City-maintained local street. A Traffic Impact Study (TIS) is not needed for this site. Site plan commits to constructing an 8 foot planting strip and 8 foot sidewalk on both sides of public road along the extent of the property frontage and committing to constructing the roadway extension to CLDSM standards. There are no further outstanding Transportation issues.

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Trip Generation

Scenario	Land Use	Intensity	Trip Generation (vehicle trips/day)	Source
Existing Use	Vacant	-	-	Tax Record
Entitlement with Current Zoning	Retail Single Family (B-1 & R-4, 2.09 acres)	9,200 SF 4 Dwelling Units	660	General Guidance from Planning
Proposed Zoning	Single Family Attached (UR-2, 2.09 acres)	30 Dwelling Units	180	Site Plan: 6/10/2022
Proposed Zoning	Single Family Attached (UR-2, 2.09 acres)	26 Dwelling Units	150	Site Plan: 12/12/2022

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. ~~**Plainfield Drive:** The future location of curb and gutter is in its existing location.~~

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

2. ~~**Traffic Study: (Choose One)**~~

~~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 construct an 8-foot planting strip, and 8-foot sidewalk on both sides of all public roads per Chapter 20. The site plan shall label and dimension both items from the back of curb and gutter and road centerline.~~

4. ~~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 8-foot sidewalk along all public roads. The wider sidewalk also meets the Charlotte WALKS Policy.~~

~~Reference (CLDSM standard detail U-02) for residential medium street typical.~~

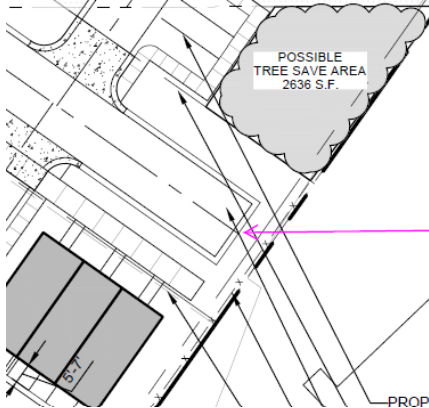
~~**Outstanding Clarifying Comment 12-21-22:** Petitioner should add conditional note stating commitment of 8' planting strip and 8' sidewalk along both sides of all public roads. Reference (CLDSM standard detail U-02) for residential medium street typical section. Potential environmental conflicts to be coordinated during permitting if full section cannot be achieved.~~

5. ~~Revise the plan and conditional note(s) to commit to designing the end of the proposed extension of Plainfield Drive as street stub.~~

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- ~~6. 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.~~
- ~~7. 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.~~

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 curbline 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

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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>