

Rezoning Transportation Analysis

Petition Number 2016-081 **Updated** 4/25/2016

Location Approximately 1.79 acres located on the northeast corner at the intersection of Nations Ford Road and Tyvola Road.

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CDOT’s Review of this rezoning petition is intended to ensure consistency with the Transportation Action Plan (TAP). The TAP seeks to ensure that Charlotte’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 to be used in the overall City staff analysis of the rezoning petition and includes information on trip generation, outstanding site plan concerns, and an overall summary of the case from a transportation perspective.

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

Transportation Summary

To be provided prior to public hearing.

Trip Generation

	Existing Zoning		
Scenario	Land Use	Intensity	Trip Generation (Vehicle trips/day)
Existing Use	Vacant		
Entitlement	Retail	10.5k sf	1570

	Proposed Zoning		
Site Plan Date	Land Use	Intensity	Trip Generation (Vehicle trips/day)
3/24/2016	Retail	10k sf	1760
	Office	1k sf	
	Storage	80k sf	

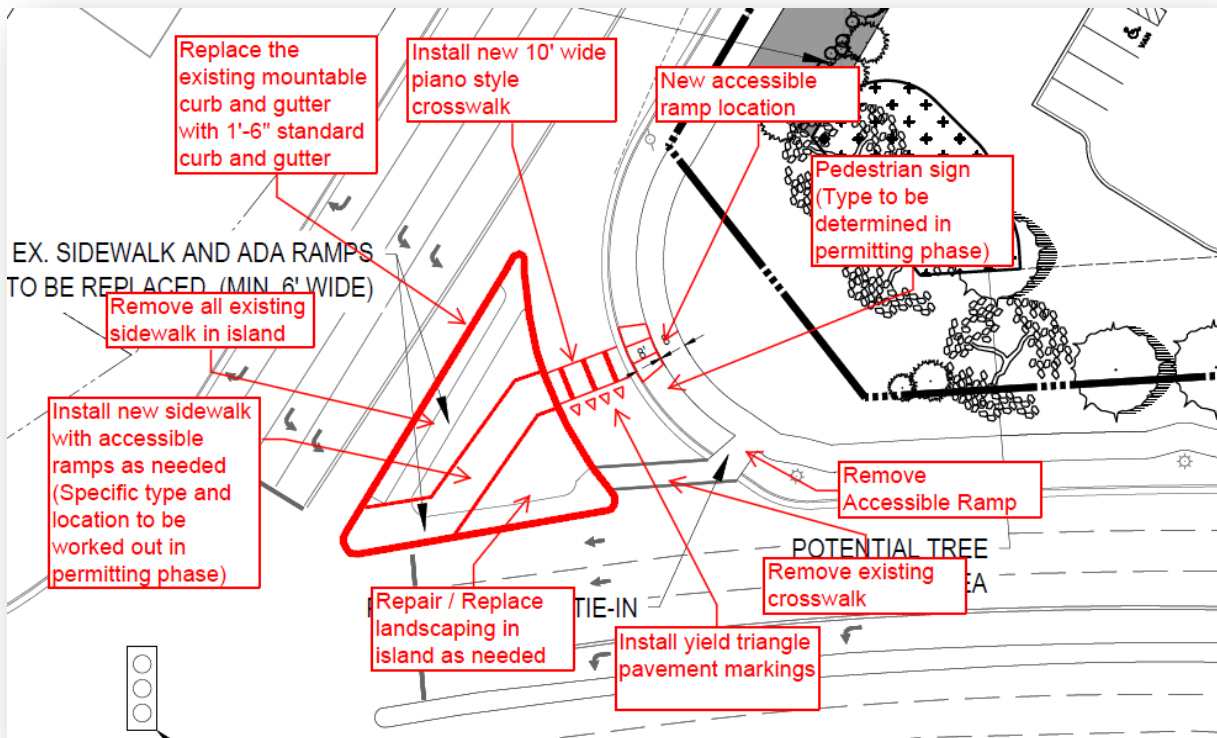
Curbline

The proposed zoning district has a setback measured from an existing or proposed future curbline. The location of the future curbline is TBD (to be determined prior to public hearing).

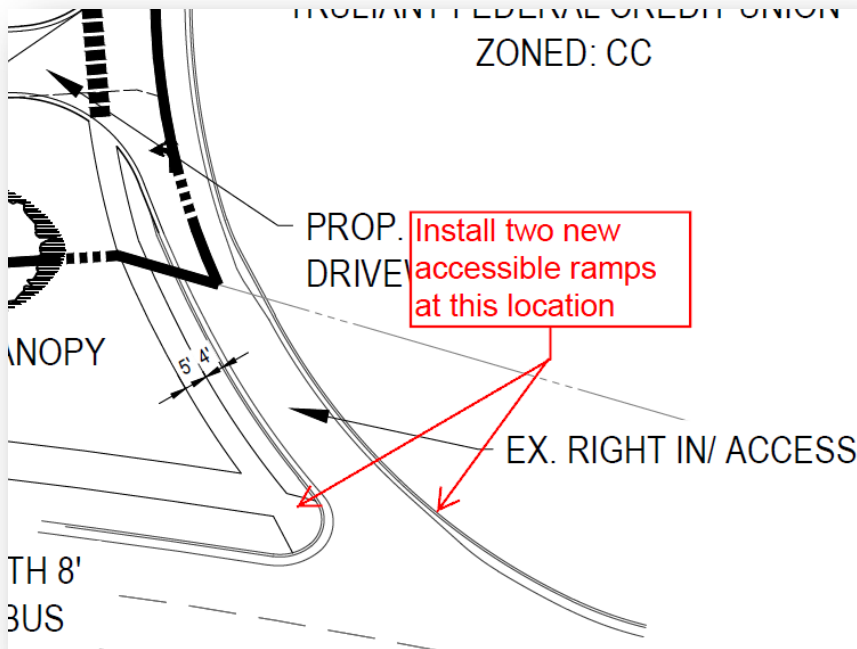
Resolved Issues

Outstanding Issues

1. CDOT requests that the petitioner improve the pedestrian refuge island at the intersection of Nations Ford Rd. and Tyvola Rd. The existing ramps and sidewalks are not ideal for a safe pedestrian crossing environment. In addition, the mountable curb will not protect pedestrians from vehicles that may accidentally leave the roadway. Show the improvements on the site plan. See the proposed sketch below (conceptual only):



2. CDOT requests that the petitioner install two accessible ramps at the existing right in access on of Tyvola Rd. See below:



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 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 Central Ave. will require a driveway permit(s) to be submitted to CDOT and the North Carolina Department of Transportation 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.