SHIMP ENGINEERING, P.C. Design Focused Engineering Project Narrative For:	Windy Knoll
Parcel Description:	56-96A, 56-96B1, 56-96B2
Pre-App Meeting Date:	February 17, 2025
Submit 1:	May 7, 2025

ТМР	ACREAGE	EXISTING ZONING	PROPOSED ZONING	COMP PLAN DESIGNATION
56-96A 56-96B1 56-96B2	1.080 AC 1.033 AC 1.033 AC 3.146 AC total	R-1	R-10 subject to proffered conditions	Crozet Master Plan Land Use - Neighborhood Density Residential

Additional Zoning Considerations:

Entrance Corridor Overlay

Location:

East of intersection of Cory Farm Rd and Little Fox Ln. 325 and 320 Windy Knoll Ln.

Surrounding Uses:

Residential, community building, hair salon

Project Proposal:

Windy Knoll Homes LLC (the "Applicant") seeks to rezone Albemarle County tax parcels 005600-00-00-096A0, 005600-00-096B1, and 005600-00-096B2 (collectively, the "Property") from R-1 Residential to R-10 Residential subject to proffered conditions to construct up to 22 dwelling units on the Property. The Property is, in the aggregate, 3.146 acres and so 22 residential units on the Property would establish a gross and net density of 7 dwelling units per acre. The Property offers the ideal opportunity to realize an infill development directly consistent with recommendations put forth in the Crozet Master Plan (2021). The guiding principle of the Crozet Master Plan Land Use Section is "[s]upport and strengthen Crozet's history as a vibrant community, while ensuring that new and infill development is compatible in scale and design and provides housing choice for all community members. Allow and encourage a variety of employment options, services, commercial and retail areas, and housing types (bold added)." Windy Knoll will establish an infill development that is compatible in scale and design to its surroundings, will provide housing choice by offering units of varying sizes, and will expand housing choice by providing affordable housing consistent with Albemarle County's Affordable Housing Policy.

The Property is located within one of the more mixed development areas of Crozet and is in close proximity to a variety of zoning districts including Rural Areas, R-1 Residential, R-4 Residential, Neighborhood Model District (NMD), Planned Development Mixed Commercial (PD-MC), and Highway Commercial.

This mixed zoning area of Crozet creates a unique opportunity for infill housing that is in close, walking proximity to amenities including the shops at Clover Lawn. Pedestrian improvements to Route 250 also Windy Knoll ZMA 2025-000XX 1

make Harris Teeter and the businesses in the Blue Ridge Shopping Center accessible from the Property. The construction of Eastern Avenue, which is currently estimated to be completed by summer 2028 will unlock additional multi-modal transportation opportunities for this Property, as residents will be able to access the bike and pedestrian facilities along Eastern Avenue which connects to the Crozet trails system and ultimately, Crozet Park.



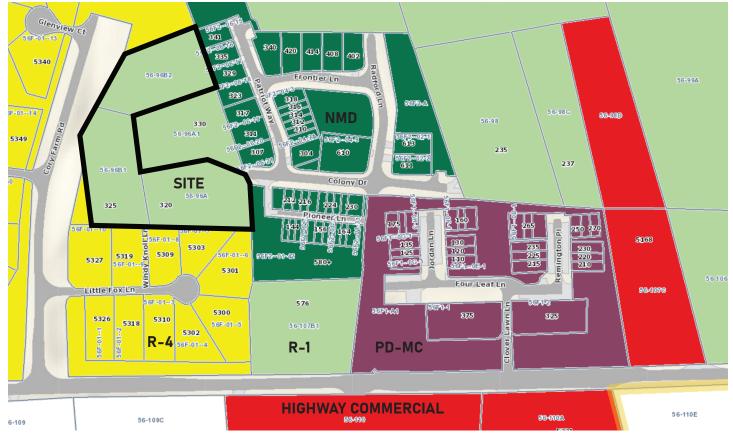


IMAGE 2: WALKING SHED



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The concept design proposes an extension of Colony Drive as a private road through the Property on its southern portion and a new private road connection to Cory Farm Rd through the northern portion of the site. Due to the topography of the site, the proposed vehicular access points are not proposed to interconnect and a public road connection is not proposed through the site on its southern portion from Colony Drive through to the proposed Eastern Ave connection as much of the Property area would be compromised to accommodate the grading necessary to make that connection in accordance with public road design standards.

The concept plan shows a right of way reservation which is proposed to be dedicated upon the demand of the County, this dedication would be for the construction of Eastern Avenue. The preliminary conceptual design plans prepared for Eastern Avenue show a permanent slope and drainage easement on the Property and the approximate area of that easement is proposed to be dedicated to Albemarle County.

Windy Knoll will also provide affordable housing units, consistent with Albemarle County's Housing Policy, by designating 20% of units built as affordable to households making 60% of the area median income (AMI) for rental units and 80% of the AMI for for-sale units.

The opportunities for large scale residential development in Crozet are limited and accordingly, the opportunities for new affordable housing in Crozet is limited and so the affordable housing needs and the housing needs more generally of the community will be met through infill projects like Windy Knoll.

Consistency with the Comprehensive Plan:

2021 Crozet Master Plan

The Crozet Master Plan is cognizant of Crozet's current land use condition where many of the large parcels have been built out or are in the process of developing and so, the remaining opportunities for housing in Crozet will be infill projects. "The majority of Crozet is designated for residential development, but much of the land is already developed or built out." Windy Knoll, being on 3.146 acres and largely surrounded by developments that have built-out including Cory Farm, Liberty Hall, and Clover Lawn, is an infill development that aligns with recommendations for Village Centers that "should promote a mixture of uses in walkable and compact patterns," as the new residents in Windy Knoll will be able to easily access the amenities within Clover Lawn and will contribute to supporting those businesses.

Windy Knoll is located within the Neighborhood Residential designation of the Master Plan, this designation recommends a density of 3-6 dwelling units per acre. Windy Knoll is proposed to develop at a density of 7 dwelling units per acre, which is just above the density recommendation for Neighborhood Residential however, the Master Plan recognizes that "[w]hen both the Land Use Goals outlined in this chapter and the County's housing policy are met, it may be appropriate to allow densities to exceed those within recommended density ranges, especially if impacts, such as parking, can be adequately addressed." Windy Knoll proposes a development that is consistent with the Land Use Goals outlined in the Master Plan and provides affordable housing consistent with Housing Albemarle's policies and therefore additional density above the recommendation for Neighborhood Residential is justified.

The following is an analysis of Windy Knoll's consistency with the Guiding Principles of the Master Plan:

Goal 1: Support the continued revitalization of Downtown as the historic, cultural, and commercial heart of Crozet with distinctively urban design and support a mixture of uses in Crozet's other designated centers of activity.

The property is within close proximity to the Clover Lawn Village Center and the proposed residential units will Windy Knoll ZMA 2025-000XX 3

contribute to a mixture of uses within the Clover Lawn Village Center by providing additional residential units to support the existing commercial businesses.

Goal 2: Support existing neighborhoods and the historic context of Crozet through ensuring that new and infill development is compatible in design and scale with existing neighborhood fabric and allowing reuse of historic buildings.

Windy Knoll will be compatible in design and scale to the residential units in Clover Lawn and Liberty Hall.

Goal 3: Provide a variety of housing options that meet the needs of community members at all income levels.

Although all units within Windy Knoll are expected to be attached single family units, there will likely be several different floorplans and unit sizes available, potentially including small and large townhome units and villa style units. The affordable housing units will ensure that a mixture of income levels have access to live within Windy Knoll.

Goal 3.B. Allow infill development within the Downtown Neighborhoods and other areas that are walkable to centers or schools through the legislative review process. Consider allowing densities higher than the recommended land use for proposals that are consistent with the Land use Goals and Guiding Principle, the County's housing policy, and that are appropriately scaled to the surrounding neighborhood.

Windy Knoll is within walking distance to the Clover Lawn Village Center, the proposal is consistent with the housing policy, and the proposal is appropriately scaled to the surrounding neighborhood.

Goal 4: Goal 4: Maintain a distinct rural edge along Crozet's boundary to provide a visual connection to its cultural heritage as a community nestled in the Blue Ridge Mountains.

Windy Knoll is not along the edge of Crozet's boundary and therefore it will not compromise the visual connection to the Blue Ridge Mountains and the cultural heritage of Crozet as a community nestled in the Blue Ridge Mountains.

Goal 5: Leverage and amplify Crozet's artisan community, culture, history, and entrepreneurial spirit through creative placemaking projects and partnerships.

This principle is not directly applicable to Windy Knoll however, residents within Windy Knoll may contribute to Crozet's artisan community, culture, history, and entrepreneurial spirit.

2015 Albemarle County Comprehensive Plan

Development Areas Chapter

Strategy 2f: Continue to promote centers as focal points for neighborhoods and places for civic engagement.

Windy Knoll will directly support activity in the Clover Lawn Village Center.

Strategy 2g: Through Master Plans and rezoning approvals, ensure that all Development Areas provide for variety of housing types and levels of affordability.

and

Strategy 2m: Continue to promote appropriate scale, massing, and enclosure with new development proposals. The proposed townhome units vary in scale and affordability, maintaining consistency with the character and density of the Liberty Hall neighborhood while enhancing the visual and spatial coherence of the area.

Housing Chapter

Rezoning from R-1 (low-density residential) to R-10 (medium-density residential) promotes compact development, which aligns with the plan's goals for efficient land use.

Strategy 4a: Through rezonings and special use permits, continue to ensure a mixture of housing types are provided that also support all income levels of County residents.

The inclusion of townhomes varying in scale and five designated affordable housing directly supports the county's goals for increasing affordable and diverse housing options.

Zoning Justification

The applicant proposes a rezoning to R-10 residential to realize the construction of the proposed 22 units. Windy Knoll will be developed as an R-10 cluster subdivision and therefore will comply with zoning regulations to provide 25% of the development as common open space.

R-10 is necessary to realize 22 units on this property as bonus factors cannot be utilized on this property if it were rezoned to R-6 because the density range provided in the comprehensive plan for this property is 3-6 dwelling units per acre. The applicant proposes limiting the number of units permitted on the property to 22 by means of proffered conditions, this way the benefits of the R-10 zoning, being a medium density residential zoning district with no lot minimum restrictions for clustered development, can be implemented on the property while maintaining a residential density that is only slightly above the range provided for in the comprehensive plan.

Impact on Public Facilities & Public Infrastructure

The property is currently zoned R-1 and could permit three units by-right and up to four units with bonus factors. Windy Knoll proposes up to 22 units and so from an impacts standpoint, the net impact of the development are the impacts of the additional 18-19 units realized as a result of rezoning. Traffic and schools impacts below are analyzed for the entire development however, three units could be realized by right.

Water and Sewer

The proposed 22 residential units will be served by public water and sewer. The cost of infrastructure improvements to support the development will be covered by the developer and connection fees are structured to pay for the cost of any future capacity improvements needed for water treatment facilities.

<u>Traffic</u>

The table below illustrates traffic calculations per the ITE Trip Generation Manual, 11th Ed. The traffic from Windy Knoll will be split between existing Cory Farm Road (AADT 450) for the northern half of the development and Colony Dr (AADT unknown) for the southern half of the development. The second row depicts traffic calculations for the northern part of the development, connecting to Cory Farm Rd. The fourth column illustrates traffic projections for the southern part of the development, which ties into Colony Dr.

Table 1. Traffic calculations per ITE Trip Generation Manual, 11th Ed.

Use	Code	Units	AM			РМ			Daily Total
Single	215	12	In	Out	Total	In	Out	Total	86
Family			1	5	6	4	3	7	
Attached									
Housing									

Use	Code	Units	AM			РМ			Daily Total
Single	215	10	In	Out	Total	In	Out	Total	72
Family			1	4	5	3	3	6	
Attached									
Housing									

<u>Schools</u>

School-aged residents of the property would attend Western Albemarle High School, Henley Middle School, and Brownsville Elementary School. According to the 2023 Albemarle County Public Schools Subdivision Yield Analysis, 22 additional units could add 2 students to Brownsville Elementary, 2 students to Henley Middle, and 4 students to Western Albemarle High School, for a total of 8 students.

Table 2. Estimation of number of school-aged children for the proposed lots per 2023 Albemarle County Long-Range Planning Advisory Committee Report

Name	Multiplier	# of Units	# of Students
Brownsville Elementary	0.06 (townhome)	22	2
Henley Middle School	0.06	22	2
Western Albemarle High	0.14	22	4
	^	^	Total: 8

It is anticipated that neither Brownsville Elementary or Henley Middle School will have capacity conflicts through the 2033-34 school year, based on the 2023 Albemarle County Enrolment and Capacity Projections. While there are minimal capacity conflicts for Western Albemarle High School, the top priority identified by the LRPAC is to construct a new centrally-located facility to directly address high school capacity. There will be 400 additional high school seats created with the opening of High School Center II which is slated to open for the 2026-2027 school year.

Public Safety Services

According to the U.S. Census Bureau's 2019-2023 data, the average household size in Crozet, Virginia, is 2.60 persons per household. With 22 units proposed in Windy Knoll, the project could potentially yield 57 new residents in the area served by Crozet Fire Station and the Police Blue Ridge District, Sector 8, Beat 17.

Environmental Features

The site does not contain any environmentally sensitive areas such as steep slopes or stream buffer. Therefore, there will be no impacts to environmentally sensitive features. All design and engineering for improving the property will comply with applicable County and State regulations.

Proposed Proffers to Address Impacts

A draft proffer statement is submitted with this application. The draft proffer statement proposes adherence to Albemarle County's affordable housing policy, a limitation on residential density, and general adherence to major elements proposed in the concept plan. The proffered conditions also include a right-of-way reservation to support the County's construction of Eastern Avenue.