

# SUBDIVISION REPORT -CONCEPT/DEVELOPMENT PLAN

► FILE #: 7-SC-23-C	AGENDA ITEM #: 29
7-A-23-DP	AGENDA DATE: 8/10/2023
POSTPONEMENT(S):	7/13/2023
• SUBDIVISION:	WILKINSON SUBDIVISION
• APPLICANT/DEVELOPER:	RICK WILKINSON
OWNER(S):	Rick Wilkinson
TAX IDENTIFICATION:	145 001 View map on KGIS
JURISDICTION:	County Commission District 4
STREET ADDRESS:	8502 NUBBIN RIDGE RD
LOCATION:	East side of Nubbin Ridge Rd, northwest of Penrose Terrace Ln
SECTOR PLAN:	Southwest County
GROWTH POLICY PLAN:	Planned Growth Area
WATERSHED:	Ten Mile Creek
APPROXIMATE ACREAGE:	8717 square feet
ZONING:	PR(k) (Planned Residential)
EXISTING LAND USE:	Agriculture/Forestry/Vacant Land
PROPOSED USE:	Detached residential house and reduction of peripheral setbacks
SURROUNDING LAND USE AND ZONING:	North: Single family residential PR(k) (Planned Residential) up to 3.8 du/ac & A (Agricultural) South: Rural residential A (Agricultural) East: Agriculture/forestry/vacant land A (Agricultural) West: Single family residential PR(k) (Planned Residential) up to 3.8 du/ac
NUMBER OF LOTS:	1
SURVEYOR/ENGINEER:	
ACCESSIBILITY:	Access is via Nubbin Ridge Rd., a major collector street with 18 ft of pavement width within a 40-ft right-of-way.
<ul> <li>SUBDIVISION VARIANCES REQUIRED:</li> </ul>	VARIANCES 1. Reduce the minimum sight distance looking to the north along Nubbin Ridge Road from 300 ft to 255 ft 2. Reduce the minimum sight distance looking to the north along
	Nubbin Ridge Road from 300 ft to 284 ft 3. Reduce the point of measurement from the edge of the Nubbin Ridge Road travel way from 15 ft to 8 ft

29-1

#### STAFF RECOMMENDATION:

Postpone the concept plan for 30 days until the September 14, 2023 Planning Commission meeting as recommended by staff.

## Postpone the development plan for 30 days until the September 14, 2023 Planning Commission meeting as recommended by staff.

#### COMMENTS:

This application is similar to a previous request that was denied by the Planning Commission in May 2023 (3-SC-23-C / 3-D-23-DP). The difference between the two applications is the applicant has hired a traffic engineer to conduct a speed study to determine if a lower speed can be utilized for the minimum sight distrance requirement.

Staff is recommending a one month postponement because additional information regarding the sight distance has not been submitted for review.

ESTIMATED TRAFFIC IMPACT: 15 (average daily vehicle trips)

Average Daily Vehicle Trips are computed using national average trip rates reported in the latest edition of "Trip Generation," published by the Institute of Transportation Engineers. Average Daily Vehicle Trips represent the total number of trips that a particular land use can be expected to generate during a 24-hour day (Monday through Friday), with a "trip" counted each time a vehicle enters or exits a proposed development.

ESTIMATED STUDENT YIELD: 0 (public school children, grades K-12)

Schools affected by this proposal: Blue Grass Elementary, West Valley Middle, and Bearden High.

• Potential new school population is estimated using locally-derived data on public school student yield generated by new housing.

• Students are assigned to schools based on current attendance zones as determined by Knox County Schools. Students may request transfers to different zones, and zone boundaries are subject to change.

• Estimates presume full build-out of the proposed development. Build-out is subject to market forces, and timing varies widely from proposal to proposal.

• Student yields from new development do not reflect a net addition of children in schools. Additions occur incrementally over the build-out period. New students may replace current population that ages through the system or moves from the attendance zone.

Knoxville-Knox County Planning Commission's approval or denial of this concept plan request is final, unless the action is appealed to Knox County Chancery Court. The date of the Knox County Chancery Court hearing will depend on when the appeal application is filed.

The Planning Commission's approval or denial of this development plan request is final, unless the action is appealed either to the Board of Zoning Appeals or to a court of competent jurisdiction within thirty (30) days of the decision being appealed (Knox County, Tennessee Code of Ordinances, Appendix A, Zoning, 6.50.08).

PAGE #:







11812 Black Road Knoxville, Tennessee 37932 Phone (865) 556-0042 ajaxengineering@gmail.com

July 10, 2023

 TO: Mr. Jim Snowden, PE Senior Director, Knox County Engineering and Public Works 205 West Baxter Avenue Knoxville, TN 37917

# RE: Spot Speed Study for Proposed Rick Wilkinson House Lot at 8502 Nubbin Ridge Road

Mr. Snowden,

As requested, a spot speed study was conducted on Nubbin Ridge Road to determine the observed 85<sup>th</sup> percentile vehicular speeds. The spot speed study was conducted on July 5<sup>th</sup>, 2023, at the proposed driveway location for Rick Wilkinson's property at 8502 Nubbin Ridge Road, as directed by Knox County Engineering. The spot speed study was conducted under the following conditions:

- The posted speed limit on Nubbin Ridge Road at this location is 30 mph.
- The vehicle speeds were measured with a Bushnell Radar Speed Gun as unobtrusively as possible to reduce influencing driver behavior.
- The vehicle speeds were sampled during non-peak hours (1:45 pm 3:45 pm).
- Vehicles were sampled at the proposed driveway location at 8502 Nubbin Ridge Road in both directions (westbound and eastbound) of travel. (Note: At the proposed driveway location, Nubbin Ridge Road traverses north and south, but the overall route of Nubbin Ridge Road is from east to west, from Westland Drive to Ebenezer Road.) To the east, vehicle speeds were measured as vehicles appeared just past the sharp horizontal curve on Nubbin Ridge Road, approximately 250 feet away. To the west, vehicle speeds were measured as vehicles appeared just past the minor horizontal curve on Nubbin Ridge Road, approximately 250 feet away. See the attached KGIS map for the observation locations.
- Fifty observations for each direction were recorded for a total of 100 vehicle observations.

The observations and results of the spot speed study are attached and indicate the following:

• The sampled vehicle speeds indicated lower speeds traveling westbound than the eastbound traffic on Nubbin Ridge Road at this location.

- The westbound results on Nubbin Ridge Road: 85<sup>th</sup> Percentile Speed = 26.0 mph
- The eastbound results on Nubbin Ridge Road: 85<sup>th</sup> Percentile Speed = 33.0 mph

Please let me know if you have any questions regarding this study and the results.

Thank you,

Ajax Engineering, LLC

Robert W. Jacks, P.E.



Attachments: KGIS Map, Excel Spreadsheet Spot Speed Observations and Results



#### SPOT SPEED STUDY

#### 7-SC-23-C / 7-A-23-DP 7/12/2023

Date: 7/5/2023 Weather: Overcast to Partly Sunny Time: 1:45 pm - 2:45 pm Pavement Conditions: Dry

Location:8502 Nubbin Ridge RoadPosted Speed Limit:30 mphEquipment:Bushnell Speedster III Radar Speed GunDirection:Westbound

Vehicle #	Speed
	(mph)
1	26
2	25
3	20
4	27
5	24
6	24
7	26
8	21
9	26
10	28
11	20
12	20
13	17
14	27
15	18
16	17
17	25
18	18
19	19
20	19
21	23
22	24
23	24
24	20
25	24





85th percentile speed =

26.0 mph

#### SPOT SPEED STUDY

#### 7-SC-23-C / 7-A-23-DP 7/12/2023

Date:7/5/2023Weather:Overcast to Partly SunnyTime:2:45 pm - 3:45 pmPavement Conditions:Dry

Location:

Equipment:

Posted Speed Limit:

8502 Nubbin Ridge Road

Bushnell Speedster III Radar Speed Gun

30 mph





85th percentile speed =

33.0 mph



# **Development Request**

		DEVELOPMENT	SUBDIVISION	ZONING
PL		<ul> <li>Development Plan</li> <li>Planned Development</li> <li>Use on Review / Special Use</li> <li>Hillside Protection COA</li> </ul>	✓ Concept Plan ☐ Final Plat	<ul> <li>Plan Amendment</li> <li>Sector Plan</li> <li>One Year Plan</li> <li>Rezoning</li> </ul>
Rick Wilki	inson			
Applicant	Name		Affiliat	ion
5/30/202	3	7/13/2023	7-SC-23-C / 7-	A-23-DP
Date Filed	1	Meeting Date (if applicable)	File Number(s)	
CORRE	SPONDENCE	All correspondence related to this application sh	hould be directed to the	approved contact listed below.
Rick Wilki	inson			
Name / Co	ompany			
8502 Nub	bin Ridge Rd Knoxville	e TN 37923		
Address				
965 200 7	7791 / rickwilkinson27	l@gmail.com		
Phone / E		(egman.com		
CURRE	NT PROPERTY INF	0		
Rick Wilki	inson	8502 Nubbin Ridge Rd Knoxville	TN 37923	865-300-7791 / rickwilkinson27
Owner Na	ame (if different)	Owner Address		Owner Phone / Email
8502 NUE	BBIN RIDGE RD			
Property /	Address			
145 001				8717 square feet
Parcel ID		Part of P	Parcel (Y/N)?	Tract Size
First Knox	x Utility District	First Knox Utility D	istrict	No
Sewer Provider		Water Provider		Septic (Y/N)
STAFF	USE ONLY			
East side	of Nubbin Ridge Rd, n	orthwest of Penrose Terrace Ln		
General L		-		
City	Commission District 4	PR(k) (Planned Residential)	Agricu	Ilture/Forestry/Vacant Land
County		Zoning District		ng Land Use
Southwes	st County LD	)R (Low Density Residential), HP (Hillside Pro	tection) Planne	ed Growth Area

Planning Sector Sector Plan Land Use Classification

Growth Policy Plan Designation

DEVELOPMENT REQUEST				
✔ Development Plan	elopment 🗌 Use on	Review / Special Use	Related City Pe	ermit Number(s)
Hillside Protection COA	🗌 Reside	ntial 🗌 Non-residential		
Home Occupation (specify)				
Other (specify) <b>Detached residential ho</b>	use and reduction of pe	eripheral setbacks		
SUBDIVSION REQUEST				
Wilkinson Subdivision			Related Rezon	ing File Number
Proposed Subdivision Name				
Unit / Phase Number  Additional Information	arcels	<b>1</b> Total Number of Lots Created		
✓ Attachments / Additional Requirement	ts.			
ZONING REQUEST				
			Pending Plat	t File Number
Zoning Change Proposed Zoning				
Plan Amendment Proposed Plan Desig	gnation(s)			
Proposed Density (units/acre) Previous	Zoning Requests			
Additional Information				
STAFF USE ONLY				
PLAT TYPE     Staff Review   Planning Comm	nission	Fee 1 <b>\$500.00</b>		Total
ATTACHMENTS	_			
Property Owners / Option Holders	Variance Request	Fee 2		
ADDITIONAL REQUIREMENTS				
<ul> <li>Design Plan Certification (Final Plat)</li> <li>Site Plan (Development Request)</li> </ul>		Fee 3		
<ul> <li>□ Traffic Impact Study</li> <li>✓ Use on Review / Special Use (Concept</li> </ul>	Plan)			
		1) 110 /oho /it is the sum of the		opplication and
I declare under penalty of perjury the for all associated materials are being submitted			berty, AND 2) the	application and
	Rick Wilkinson			5/30/2023
Applicant Signature	Please Print		[	Date

Phone / Email		
	Rick Wilkinson	5/30/2023
Property Owner Signature	Please Print	Date

	Dovolonmon	t Doquo	ct
	Development		
Planning KNOXVILLE I KNOX COUNTY	Development Plan  Planned Development  Use on Review / Special Use  Hillside Protection COA	SUBDIVISION P Concept Plan Final Plat	ZONING Plan Amendment SP OYP Rezoning
Kick W.	ilkinson		
Applicant Name		Affiliat	ion
3-27-23	5-11-22	3	File Number(s)
Date Filed	Meeting Date (if applicable)	7-SC-23- 7-A-23-D	C P
			·
CORRESPONDENCE All c	orrespondence related to this application sh	ould be directed to the ap	pproved contact listed below.
	Option Holder Project Surveyor	🗌 Engineer 🔲 Arch	itect/Landscape Architect
Rich Will	Kinson Parva	A WIK	12500
Name	Compan	iy .	and and a second sec
3502 NV	bin hidge f	Rd - Knows 110,	TN 37923
Address 270	City	State	ZIP
367-200-7	79/ RICKIN	11-KIN30,	V27 & gmpil. Laps
Phone	Email		
CURRENT PROPERTY INFO			
Rick Wilkins		nzon B.	\$ 300-7291
Property Owner Name (if different)	Property Owner Address	Ala	Property Owner Phone
2502 Nubb	TAUSTE Falt	172-	DOP
Property Address		Parčel ID	ΛΪ
- YVV	FUP		//
Sewer Provider	Water Provider		Septic (Y/N)
STAFF USE ONLY			
East side of but	bin Ridge Rel, northeast	of Penrose Tema	uln. 8,717,94
General Location	PR(K)	Tract S Vacant lan	ize
City County District	Zoning District	Existing Land Use	
MISW Conty	LDR/HP	Plan	weel Growth
Planning Sector	Sector Plan Land Use Classification	Growth	n Policy Plan Designation

August 29, 2022

## DEVELOPMENT REQUEST

Development Plan 🔲 Use on Review / Special Use 🗌 Hillside Protection Residential 🔲 Non-Residential	ction COA	Related City Permit Number(s)
Home Occupation (specify) Other (specify) Reduce peripheral setback and a	lbou 1 single fan	nily house
SUBDIVISION REQUEST	A Start Start	·
		Related Rezoning File Number
Proposed Subdivision Name		
Unit / Phase Number Combine Parcels Divide Parcel Total N	umber of Lots Created	
Other (specify) Conception Remove CE		Ben ZOH
(3010	pf plan.	·····
Attachments / Additional Requirements		
ZONING REQUEST		
Zoning Change		Pending Plat File Number
Proposed Zoning		
Plan Amendment Change Proposed Plan Designation(s)	<u> </u>	1 
Proposed Density (units/acre) Previous Rezoning Requests		$\frac{V^{(1)}}{V} = \frac{1}{2}$
Other (specify)		
STAFF USE ONLY		······
PLAT TYPE	Fee 1	Total
Staff Review Planning Commission	O(01 Coneg	of plan
ATTACHMENTS	Fee 2	4500
ADDITIONAL REQUIREMENTS		A A A
Design Plan Certification (Final Plat)		
Use on Review / Special Use (Concept Plan)	Fee 3	
<ul> <li>Traffic Impact Study</li> <li>COA Checklist (Hillside Protection)</li> </ul>		
AUTIHORIZATION	! 	1997 - 1997
May Villow Bock	astillion as	1 3-27.
Applicant Signature Please Print		Date
55 300 7791 Rockwill	Inson PP A	2 amail la
Phone Number Email		
Same as dove		,

Property Owner Signature

Please Print

Date

I declare under penalty of perjury the foregoing [i.e., he/she/they is/are the owner of the property and that the application and all associated materials are being submitted with his/her/their consent] is true and correct.



# Sign Posting & Removal Requirement

Revised April 2021

The Administrative Rules and Procedures of the Knoxville-Knox County Planning Commission require a sign to be posted on the property for each application subject to consideration by the Planning Commission, including the following applications: rezoning, plan amendment, concept plan, use on review/special use, planned development, right-of-way closure, and name change.



The required public notice sign(s) will be provided by Planning to the applicant when an application is submitted. If an application is submitted electronically, Planning staff will post the required sign. If a replacement sign(s) is needed, the applicant is responsible for picking up the new sign(s) from Planning and will be charged \$10 for each replacement.

## LOCATION AND VISIBILITY

The sign must be posted on the nearest adjacent/frontage street and in a location clearly visible to vehicles traveling in either direction. If the property has more than one street frontage, the sign should be placed along the street that carries more traffic. Planning staff may recommend a preferred location for the sign to be posted at the time of application.

### TIMING

The sign(s) must be posted **not less than 12 days prior to the scheduled Planning Commission public hearing** and must remain in place until the day after the meeting. In the case of a postponement, the sign can either remain in place or be removed and reposted not less than 12 days prior to the next Planning Commission meeting. The applicant is responsible for removing the sign after the application has been acted upon by the Planning Commission.

The individual below is responsible for posting and removing the sign(s) provided consistent with the above guidelines and between the dates of:

June 30, 2023	and	July 14, 2023
(applicant or staff to post sign)		(applicant to remove sign)
Applicant Name: <u>Rick Wilkinson</u>		
Date: 5/30/2023		Sign posted by Staff
File Number: 7-SC-23-C / 7-A-23-DP		Sign posted by Applicant