

SUBDIVISION REPORT -CONCEPT/DEVELOPMENT PLAN

► FILE #: 3-SD-23-C		AGENDA ITEM #:		33
3-E-23-DP		AGENDA DATE:	3/9/2	2023
SUBDIVISION:	CARDINAL LANDING			
APPLICANT/DEVELOPER:	URBAN ENGINEERING, INC.			
OWNER(S):	Turner Homes, LLC			
TAX IDENTIFICATION:	91 256.08	<u>View n</u>	nap on K	GIS
JURISDICTION:	County Commission District 6			
STREET ADDRESS:	0 BAKERTOWN RD			
LOCATION:	East side of Bakertown Road, north of Ba	II Camp Pike		
SECTOR PLAN:	Northwest County			
GROWTH POLICY PLAN:	Planned Growth Area			
WATERSHED:	Beaver Creek			
• APPROXIMATE ACREAGE:	9.06 acres			
ZONING:	PR (Planned Residential)			
• EXISTING LAND USE:	Agriculture/Forestry/Vacant Land			
PROPOSED USE:	Public roads and multi-dwelling developm	nent		
SURROUNDING LAND USE AND ZONING:	North: Vacant land PC (Planned Commerc South: Railroad ROW, Vacant land PR (Pla East: Single detached dwellings (under cons Residential) West: Single detached dwellings A (Agricu	anned Residential) truction) PR (Plan		
NUMBER OF LOTS:	1			
SURVEYOR/ENGINEER:	Chris Sharp, P.E. Urban Engineering, Inc.			
ACCESSIBILITY:	Access is via Bakertown Rd, a major collecto width within 45'-70' of right-of-way.	or street with 16' of p	pavement	t
 SUBDIVISION VARIANCES REQUIRED: 	VARIANCES 1. None			
	ALTERNATIVE DESIGN STANDARDS REG COUNTY PLANNING COMMISSION APPR 1. Reduce the minimum horizontal curve Road 'A' between STA 1+05.86 and 1+36.7 2. Reduce the minimum horizontal curve Road 'A' between STA 2+28.68 and 2+55.0 3. Reduce the minimum horizontal curve Road 'A' between STA 4+08.52 and 4+32.9 4. Reduce the minimum horizontal curve Road 'A' between STA 5+20.65 and 5+75.1	OVAL radius from 250 ft f '3 radius from 250 ft f 99 radius from 250 ft f 95 radius from 250 ft f	to 100 ft to 100 ft to 100 ft	on on on
	Nous A Detween OTA J'20.05 and JT/3.1	•		

STAFF RECOMMENDATION:

Approve the requested alternative design standards based on the justifications provided by the applicant and the recommendations of Knox County Engineering and Public Works.

Approve the concept plan subject to 9 conditions.

1) Connection to sanitary sewer and meeting other relevant utility provider requirements.

2) Provision of street names consistent with the Uniform Street Naming and Addressing System within Knox County (County Ord. 91-1-102).

3) Connecting Road 'A' to Bailey Landing Lane in the subdivision to the east, with review and approval by Knox County Engineering and Public Works during the design plan phase.

4) Installing notification of future street connection at the north end of Road 'B' as required by Section 3.04.C.2.d. of the Subdivision Regulations.

5) Providing a temporary turnaround at the north end of Road' B' if required by Knox County Engineering and Public Works during the design plan phase.

6) Widening Bakertown Road to a minimum width of 20 feet from the end of the Knox County improvements on Bakertown Road to the Road 'A' intersection with the final design to be approved by Knox County Engineering and Public Works during the design plan phase.

7) Installing sidewalks per Chapter 54, Article IV of the Knox County Code, and sidewalks from the multi-family development to the public sidewalk. The location of the sidewalks will be determined by Knox County Engineering and Public Works during the design plan phase.

8) Meeting all applicable requirements of the Knox County Department of Engineering and Public Works.

9) Meeting all applicable requirements of the Knox County Zoning Ordinance.

Approve the development plan for a multi-family development with up to 72 dwelling units, subject to 3 conditions.

1) Meeting all applicable requirements of the Knox County Zoning Ordinance.

2) Providing a Type 'B' landscape screen (Exhibit A), consisting of two (2) or more tree species, along the eastern boundary of the multi-family development and on the west side of the Dog Park, with review and approval by the Planning Commission staff before grading permits are issued for the site. 3) The maximum height for the multi-dwelling development shall be 35 feet.

With the conditions noted, this plan meets the requirements for approval in the PR district and the criteria for approval of a development plan.

COMMENTS:

SUMMARY

This proposal is for the construction of public roads and a 72-unit apartment complex on this 9.07-acre property at a net density of 7.94 du/ac. The property is zoned PR (Planned Residential) 1-4 du/ac and was formerly part of a larger parcel that included the PC (Planned Commercial) parcel to the north. The subdivision has access to Bakertown Road and road connections to Lobetti Landing to the east and the commercial property to the north. Sidewalks will be provided along the entire length of the public roads and connecting the apartment complex to the public sidewalks. Landscape screening is proposed along the apartment complex's eastern boundary, and staff recommends additional landscape screening on the west side of the dog park.

This proposal is a revision to the previously approved concept plans, 6-SF-22-C and 6-SA-21-C/6-B-21-UR. These revisions are necessary because what was assumed to be a wet weather convenience through the middle of the property was determined to be a stream. Subsequently, two wetlands on the west side of the site were discovered. This has required the developer to concentrate the dwelling units into a smaller area and propose a multi-family development instead of the attached houses approved in the two previous applications.

ZONING AND DENSITY BACKGROUND

The property is zoned PR (Planned Residential) 1-4 du/ac and has a sector plan designation that allows consideration of LDR (Low Density Residential) and MDR (Medium Density Residential) uses with a maximum allowed density of 12 du/ac. The subject property is part of a larger planned residential development that includes the Bakertown Woods and Bakertown Station subdivisions south of Ball Camp Pike. The remaining

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density from those developments is being transferred to the subject property. Refer to the case boundary for 6-B-21-UR for the area included in the density transfer.

The applicant provides a summary of the former approvals, the total acreage of the development, and the number of existing or approved dwelling units on plan sheet C-1. When the concept plan and use on review (development plan) was approved for the two existing developments on the south side of Ball Camp Pike (8-SH-05-C / 8-J-05-UR), a label on the subject property stated the unused density was to be transferred to the subject lot (see exhibit B).

PROPOSED DENSITY

The net density for the subject site is 7.94 du/ac (72 units on 9.07 acres); however, the gross density, including the two existing residential subdivisions, is 3.26 du/ac (270 units on 82.9 acres). The gross density calculation includes the number of dwelling units that were approved by the Planning Commission for the two existing developments, which is higher than the number of units or lots that have been developed.

ROAD IMPROVEMENTS AND SIDEWALKS

The development is required to widen Bakertown Road from the Road 'A' intersection to the end of the improvements associated with the realignment of Bakertown Road at the Schaad Road intersection. The internal roads will connect to the Lobetti Landing subdivision to the east and the commercially zoned property to the north. If the road through the commercial development is a private road or driveway with an access easement, a turnaround must be installed where Road 'B' connects to the commercial development because a public road cannot be terminated without an appropriate turnaround.

Sidewalks are provided in the subdivision for the entire length of Road 'A' and the portions of Bakertown Road and Road' B' north of Road' A'.

LANDSCAPE SCREENING

Landscape screening is proposed along the eastern boundary of the parking lot of the apartment complex. Staff is also recommending landscape screening on the west side of the dog park because of the close proximity to the Bakertown Road frontage and the houses on the opposite side of the street.

DEVELOPMENT PLAN ANALYSIS PER ARTICLE 6, SECTION 6.50.06 (APPROVAL OR DENIAL) In the exercise of its administrative judgment, the Planning Commission shall determine if the proposed plan is in harmony with the general purpose and intent of the zoning ordinance and adopted plans.

1) ZONING ORDINANCE

PR (Planned Residential) 1-4 du/ac:

A) The PR zone allows multi-family developments as a permitted use. The administrative procedures for the PR zone require the Planning Commission to approve the development plan before permits can be issued (Article 5, Section 5.13.15).

B) The property was rezoned to PR up to 4 du/ac in 2006 (6-U-06-RZ / 6-I-06-SP) and the proposed subdivision has a net density of 7.94 du/ac (subject property only) and a gross density of 3.26 du/ac (including the existing Bakertown Woods and Bakertown Station subdivisions south of Ball Camp Pike). See the density notes on plan sheet C-1 for additional information.

C) The maximum height is determined by the Planning Commission for any use other than houses and duplexes. Staff recommends a maximum height of 35 ft for the multi-dwelling development, which is consistent with the maximum height allowed on surrounding properties.

2) GENERAL PLAN – DEVELOPMENT POLICIES

A. Ensure that the context of new development, including scale and compatibility, does not impact existing neighborhoods and communities (Policy 9.3) – Staff is recommending a maximum height of 35 ft, which is consistent with the maximum height on surrounding properties, and landscape screening between the apartment use areas and the adjacent residential.

B. Encourage a mixture of housing sizes and prices within planned residential developments (Policy 9.8) – This development will introduce a new residential type to the area, resulting in a greater mix of housing options. C. Create gradual zoning transition patterns by placing medium-intensity zones and uses such as offices, condominiums, and community buildings between single-family residential areas and higher-intensity uses. Require landscaping, screening, earth berms, walls, and similar techniques to separate incompatible land uses when gradual zoning transition patterns are not possible (Policy 11.4) – The proposed multi-family development is to the south of commercial zoning and protects the low-intensity residential from the potential of additional commercial zoning/development.

D. Require vehicular and pedestrian connections between subdivisions to encourage safe access to

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community facilities and to reduce reliance on the automobile (Policy 4.2) – These connections are proposed.

3) NORTHWEST COUNTY SECTOR PLAN

A. The property is within the NWCO-9 (Hines Valley/Amherst) special mixed-use district, which recommends a mix of residential, office, and commercial uses. The district recommends MDR (Medium Density Residential) uses, which allow consideration of a maximum of 12 du/ac.

B. The net density for the site is 7.94 du/ac, consistent with the MDR land use classification, which allows consideration of up to 12 du/ac.

C. The NWCO-9 mixe use special district recommends street connectivity between neighborhoods, a mix of detached and attached housing types, and sidewalks and pathways from developments to the Schaad Road pedestrian facilities.

4) KNOXVILLE – FARRAGUT – KNOX COUNTY GROWTH POLICY PLAN

A. The property is within the Planned Growth Boundary. The purposes of the Planned Growth Boundary designation are to encourage a reasonably compact pattern of development, promote the expansion of the Knox County economy, offer a wide range of housing choices, and coordinate the actions of the public and private sectors, particularly with regard to the provision of adequate roads, utilities, schools, drainage and other public facilities and services.

ESTIMATED TRAFFIC IMPACT: 710 (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: 4 (public school children, grades K-12)

Schools affected by this proposal: Amherst Elementary, Karns Middle, and Karns High.

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

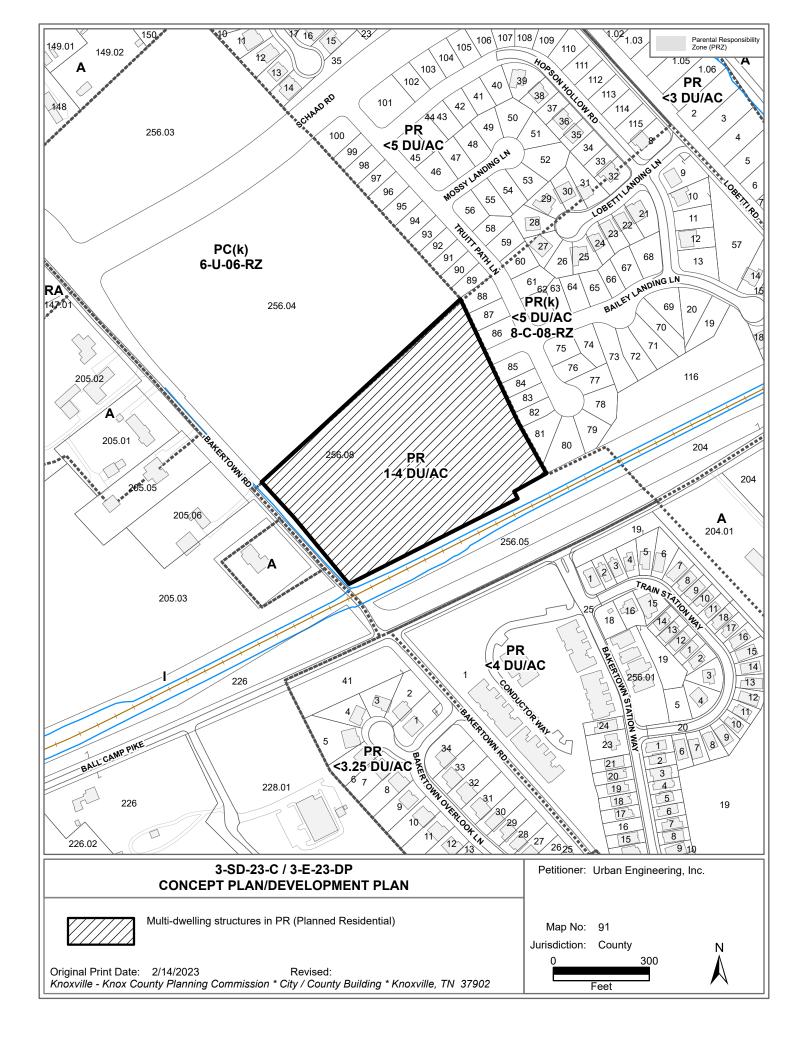
• Students are assigned to schools based on current attendance zones as determined by Knox County Schools. Students may request transfers to different zones, and zone boundaries are subject to change.

• 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).



Requested Variances & Alternative Design Standards

3-SD-23-C / 3-E-23-DP- CARDINAL LANDING

VARIANCES

1. None

ALTERNATIVE DESIGN STANDARDS REQUIRING KNOXVILLE-KNOX COUNTY PLANNING COMMISSION APPROVAL

- Reduce the minimum horizontal curve radius from 250 ft to 100 ft on Road 'A' between STA 1+05.86 and 1+36.73
- Reduce the minimum horizontal curve radius from 250 ft to 100 ft on Road 'A' between STA 2+28.68 and 2+55.09
- 3. Reduce the minimum horizontal curve radius from 250 ft to 100 ft on Road 'A' between STA 4+08.52 and 4+32.95
- 4. Reduce the minimum horizontal curve radius from 250 ft to 100 ft on Road 'A' between STA 5+20.65 and 5+75.13

ALTERNATIVE DESIGN STANDARDS REQUIRING KNOX COUNTY ENGINEERING AND PUBLIC WORKS APPROVAL

1. None

KNOX COUNTY ENGINEERING AND PUBLIC WORKS RECOMMENDATION:

Recommend approval because the requests will not create an unsafe condition.

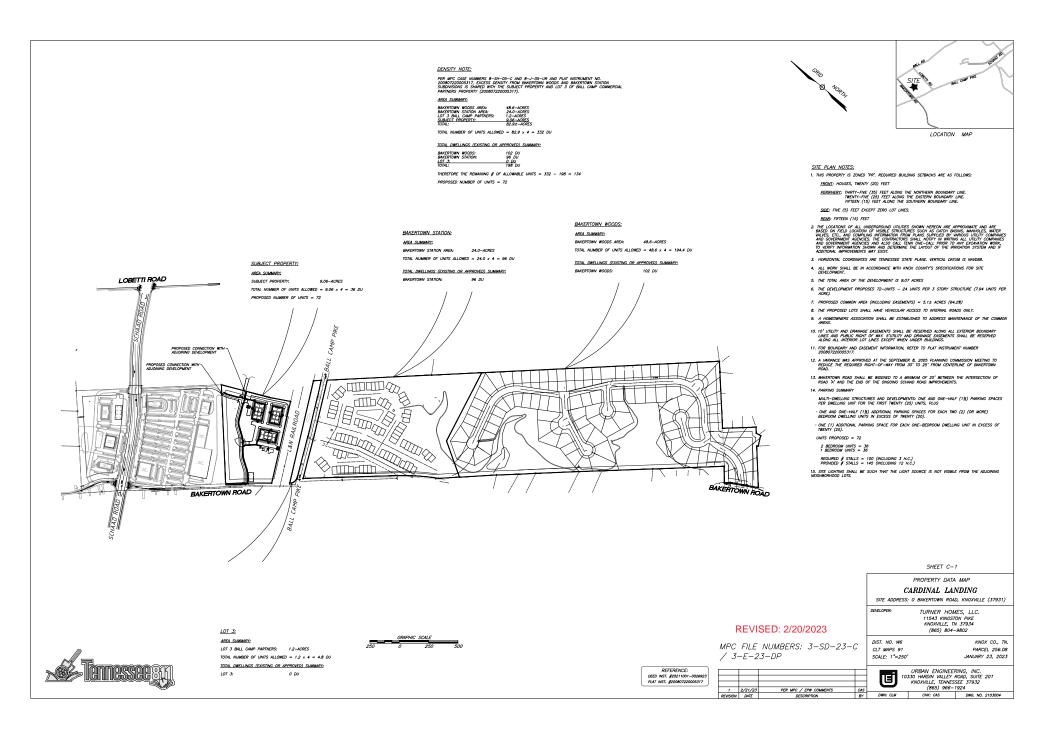
Steve Elliott 3/1/2023

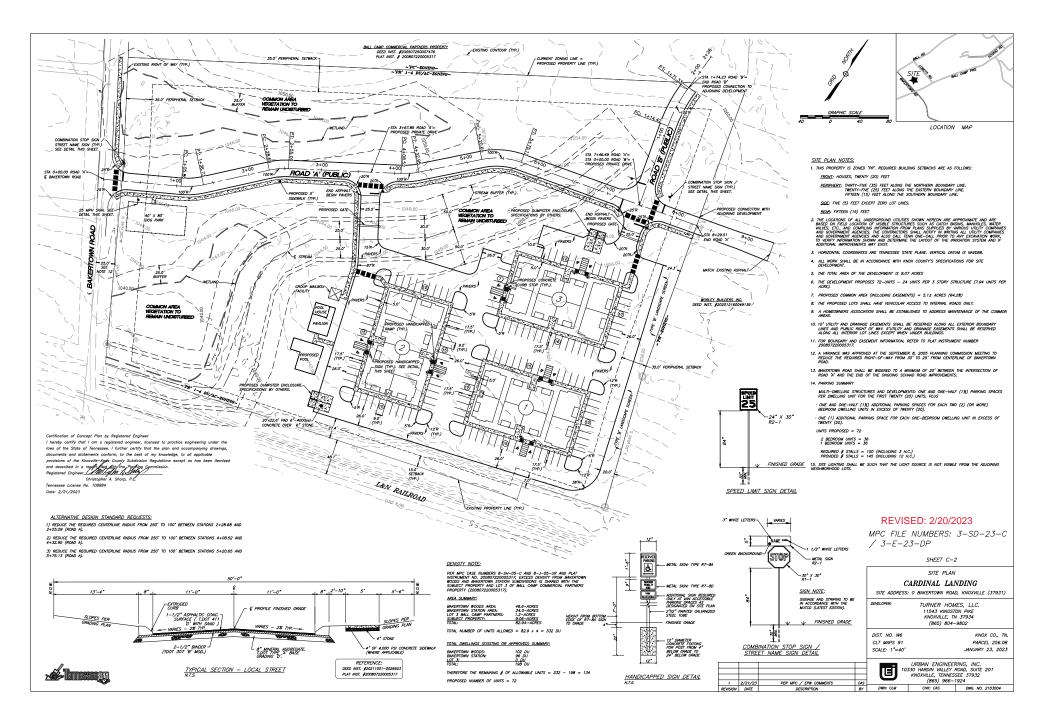


MPC FILE NUMBERS: 5-5D-25-C / 3-E-23-DP 2/2/1/23 ISUE NO. DATE

SHEET C-0 - 1 OF 5

SUBMITTAL 2 DESCRIPTION





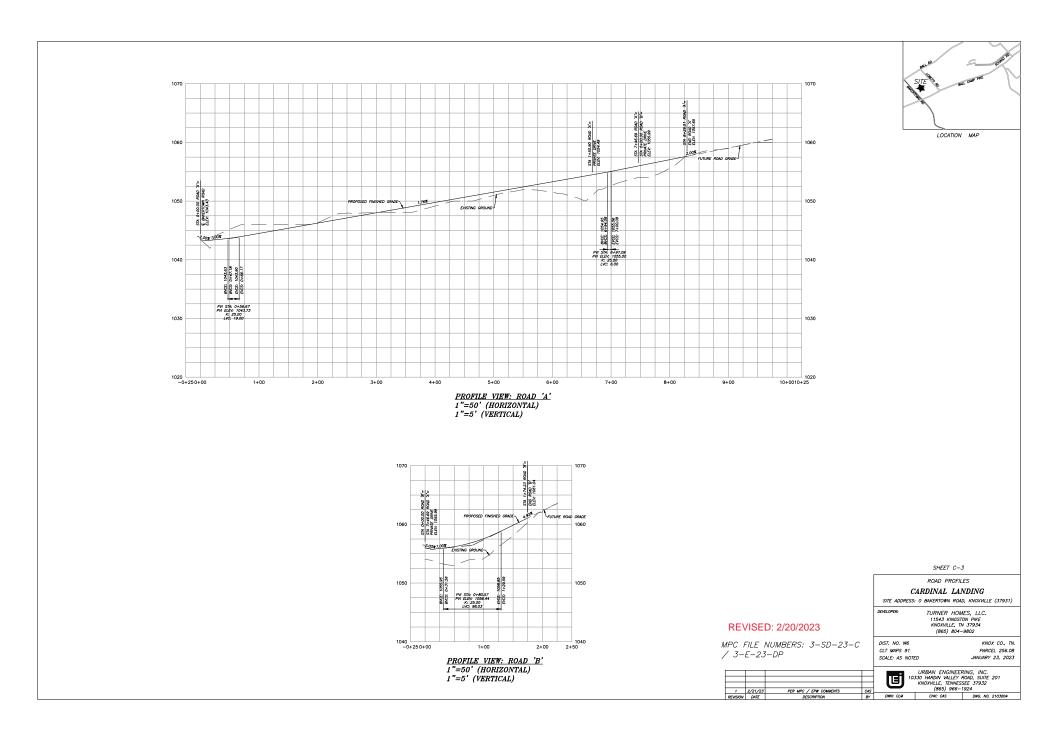




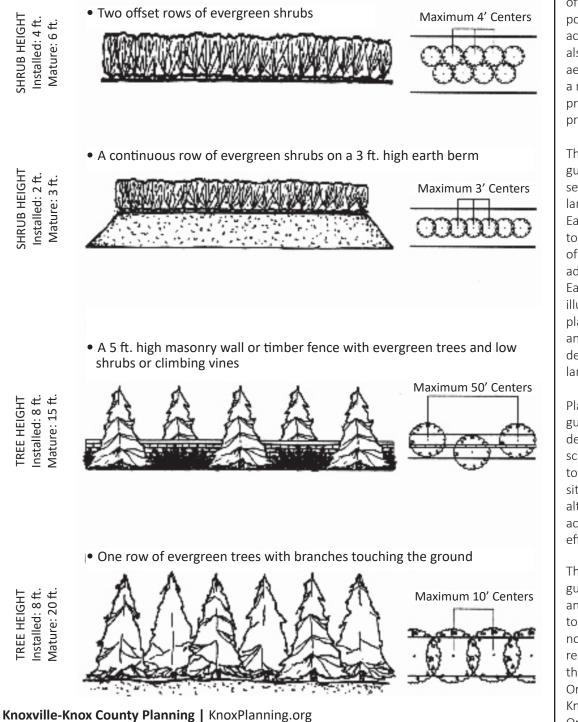


EXHIBIT A Design Guidelines Landscape Screening

Type "B" Screen: Continuous

APPROPRIATE LOCATION: Screening parking and loading areas from adjoining residential and office districts

NOTE: Landscape buffer strips should be a minimum of 12 feet in width, and sown with grass or ground cover for their full width, allowing for mulch at the base of plantings.



400 Main Street, Suite 403 | Knoxville, TN 37902 | 865.215.2500

INTRODUCTION

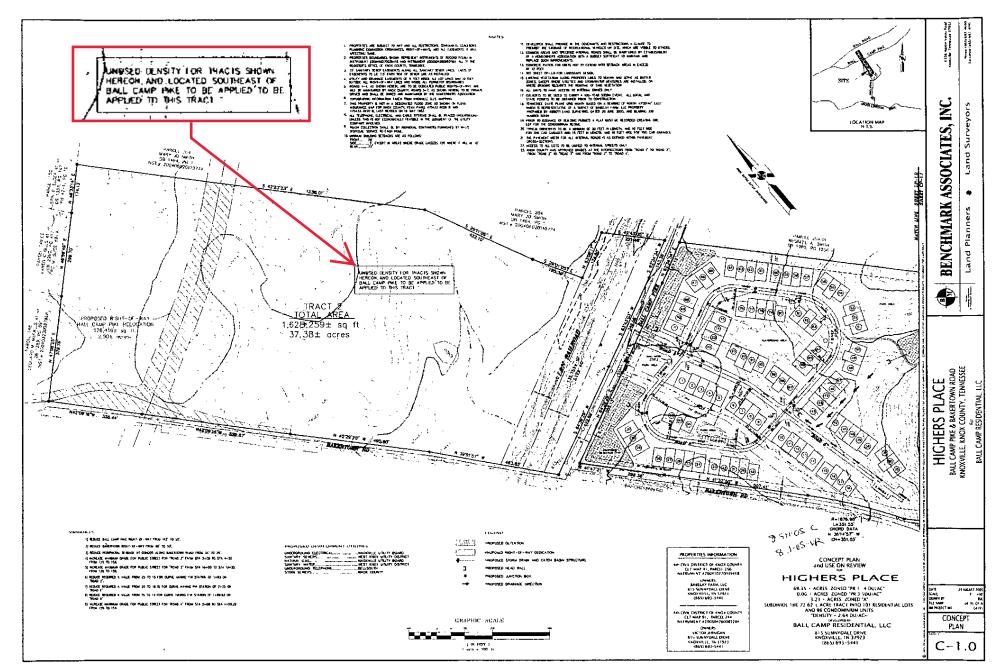
Landscape screening reduces the impact of intense development upon adjacent land uses by providing visual separation, reducing the transmission of glare and air pollution, and limiting access. Screening also promotes the aesthetic appeal of a neighborhood and promotes higher property values.

This series of design guidelines defines several types of landscape screen. Each type is applicable to a certain intensity of conflict between adjacent land uses. Each screen type is illustrated by several planting schemes with an equivalent height, density and opacity of landscaping.

Planning uses these guidelines to illustrate desirable levels of screening appropriate to various site planning situations. Creative alternatives which achieve a comparable effect are encouraged.

The contents of these guidelines are advisory and are intended to supplement, but not replace, the requirements of the Knoxville Zoning Ordinance and the Knox County Zoning Ordinance.

EXHIBIT B





Development Request

DEVELOPMENT

✓ Development Plan

□ Planned Development

☐ Hillside Protection COA

Use on Review / Special Use

SUBDIVISION

✓ Concept Plan□ Final Plat

Plan AmendmentSector PlanOne Year Plan

🗌 Rezoning

ZONING

Urban Engineering, Inc.		
Applicant Name		Affiliation
1/24/2023	3/9/2023	3-SD-23-C / 3-E-23-DP
Date Filed	Meeting Date (if applicable)	File Number(s)
CORRESPONDENCE	All correspondence related to this application s	should be directed to the approved contact listed below.
Chris Sharp, P.E. Urban	Engineering, Inc.	
Name / Company		
10330 Hardin Valley Rd.	Pk. Knoxville TN 37932	
Address		
865-966-1924 / chris@u	rban-eng.com	
Phone / Email		
CURRENT PROPERT		
Turner Homes, LLC	11543 Kingston Pike Knoxville T	IN 37934 865-777-1700
Owner Name (if differen	t) Owner Address	Owner Phone / Email
0 BAKERTOWN RD		
Property Address		
91 256.08		9.06 acres
Parcel ID	Part of	Parcel (Y/N)? Tract Size
West Knox Utility Distric	ct, Knoxville Utiliti West Knox Utility	District
Sewer Provider	Water Provider	Septic (Y/N)
STAFF USE ONLY		
-	Road, north of Ball Camp Pike	
General Location		
City Commission D		Agriculture/Forestry/Vacant Land
✔Count District	Zoning District	Existing Land Use
Northwest County	MU-SD (Mixed Use Special District), NWCO-9	Planned Growth Area
Planning Sector	Sector Plan Land Use Classification	Growth Policy Plan Designation

I declare under penalty of perjury the fore submitted with his/her/their consent) is to		y is/are the owner of the property and that the applic	ation and all associate	d materials are being
Property Owner Signature	Please Prin			Date
	Turner Hor	nes, LLC		1/24/2023
Phone / Email				
Applicant Signature	Please Prin	t		Date
	Urban Engi	ineering, Inc.		1/24/2023
AUTHORIZATION				
Use on Review / Special Use (C	oncept Plan)			
Traffic Impact Study	,			
 Design Plan Certification (Final Site Plan (Development Requestion) 		Fee 3		
COA Checklist (Hillside Protecti				_
ADDITIONAL REQUIREMEN	TS			
ATTACHMENTS Property Owners / Option Holders Variance Request Fee 2				
	-	\$1,000	0.00	
	PLAT TYPE Fee 1 Staff Review Planning Commission			Total
STAFF USE ONLY				
Additional Information	0.10			
Proposed Density (units/acre) P	Previous Zoning Re	quests		
Amendment Proposed Pl	an Designation(s)			
Plan				
Proposed Zon	ning			
Zoning Change			Pending F	Plat File Number
ZONING REQUEST				
Attachments / Additional Requ	irements			
Additional Information				
Unit / Phase Number	Other Parcels	Total Number of Lots Create	ed	
		1		
Cardinal Landing Proposed Subdivision Name				
			Related Rez	oning File Number
SUBDIVSION REQUEST				
Home Occupation (specify) Other (specify) Multi-dwelling st	ructuroc			
Hillside Protection COA		🗌 Residential 🗌 Non-residential		
	ed Development	Use on Review / Special Use	Related City	Permit Number(s)
			Related City	Permit Number(s

Planning KNOXVILLE I KNOX COUNTY	Development Development Plan Planned Developmen Use on Review / Spec Hillside Protection CC	t ial Use	SUBDIVISION Concept Plan Final Plat	ZONII Pla	n Amendment
Urban Engineering, Inc.			Engineer		
Applicant Name			Affiliation		
1/23/23	3/9/23			File Num	
Date Filed	Meeting Date (if applicable)		3-SD-23-C_3-E-23-DP		23-DP
CORRESPONDENCE All o	orrespondence related to this (application sh	ould be directed to the	e approved co	ntact listed below.
Applicant 🔲 Property Owner	Option Holder Proj	ect Surveyor	📕 Engineer 🗌 A	rchitect/Lands	scape Architect
Chris Sharp, P.E.		Urban	Engineering, Inc.		
Name		Company	Y		
10330 Hardin Valley Road, Su	ite 201	Knoxvi	lle TN	J	37932
Address		City	Sta	te	ZIP
(865) 966-1924	chris@urban-eng.com				
Phone	Email				
CURRENT PROPERTY INFO					
Turner Homes, LLC	11543 Kingston Pike (37934)		37934)	(865) 777-1700	
Property Owner Name (if different)	Property Owner Address			Property	Owner Phone
0 Bakertown Road (37931)			091 25608		
Property Address			Parcel ID		
WKUD	WKUD				No
Sewer Provider	Water Provider				Septic (Y/N
STAFF USE ONLY					
East side of Bakartown Poad	north of Ball Camp Pike		a second to the beautiful and	07 acres	
			irac	A DIZE	
General Location			A 1 1 1 1 1		
General Location Gth City X County	PR (Planned Resi	dential)	Agriculture/for	restry/vacar	nt
General Location 6th	PR (Planned Resi Zoning District MU-SD, NWCO-9		Existing Land Use	restry/vacan	

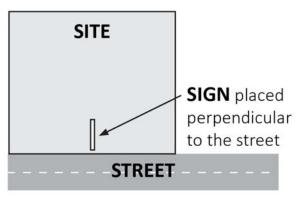
DEVELOPMENT REQUEST					
 Development Plan Use on Review / Special Use Hillside Protection COA Residential Non-Residential Home Occupation (specify) 			Related	Related City Permit Number(s	
Other (specify)					
SUBDIVISION REQUEST					
			Related	Rezoning File Number	
Proposed Subdivision Name					
Unit / Phase Number	ne Parcels 🔲 Divide Parcel To	otal Number of Lots	Created		
Other (specify) New road	only				
Attachments / Additional Require	ements				
ZONING REQUEST					
			Pendir	ng Plat File Number	
Zoning Change Proposed Zonir	g				
Plan Amendment Change Proposed Plan Designation(s)					
μορ	osed Hall Designation(s)				
Proposed Density (units/acre)	Previous Rezoning Reque	ests			
🗌 Other (specify)					
STAFF USE ONLY					
PLAT TYPE		Fee 1		Total	
	0403 Plan		Development Plan		
TTACHMENTS Property Owners / Option Holders Variance Request		Fee 2			
ADDITIONAL REQUIREMENTS		1	\$1,000		
Design Plan Certification (Final Pl	Fee 3				
] Use on Review / Special Use <i>(Concept Plan)</i>] Traffic Impact Study		i ce s			
COA Checklist (Hillside Protection)				
AUTHORIZATION			and an		
	ed by Chris Sharp 1.21 15:37:58 -05'00' Urban Enginee	₀ , Urban Engineering, Inc.		1/21/23	
Applicant Signature	Please Print	the second se		Date	
(865) 966-1924	chris@urban-	chris@urban-eng.com			
hone Number	Email				
X =	Stefan Claar		\/21 Date	23	
Property Owner-Signature	Please Print		Date	- 2	



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:

2/24/2023	and	3/10/2023
(applicant or staff to post sign)		(applicant to remove sign)
Applicant Name: Urban Engineering		
Date: 1/24/23		Sign posted by Staff
File Number: 3-SD-23-C_3-E-23-DP		X Sign posted by Applicant