

SUBDIVISION REPORT - CONCEPT

FILE #: 8-SD-22-C	AGENDA ITEM #: 24			
	AGENDA DATE: 8/11/2022			
SUBDIVISION:	IRWIN ACRES			
APPLICANT/DEVELOPER:	MATTHEW WHALEY			
OWNER(S):	Matthew Whaley East Tennessee Land Development, LLC			
TAX IDENTIFICATION:	21 066 View map on KGIS			
JURISDICTION:	County Commission District 8			
STREET ADDRESS:	0 E EMORY RD			
LOCATION:	South side of E Emory Road, west of Findhorn Blvd			
SECTOR PLAN:	Northeast County			
GROWTH POLICY PLAN:	Planned Growth Area			
WATERSHED:	Beaver Creek			
APPROXIMATE ACREAGE:	22.5 acres			
ZONING:	PR (Planned Residential)			
EXISTING LAND USE:	Agriculture/Forestry/Vacant Land			
PROPOSED USE:	Detached residential subdivsion			
SURROUNDING LAND USE AND ZONING:	North: Rural residential, single family residential, vacant land - CA (General Business) & PR (Planned Residential)			
	South: Agriculture/forestry/vacant - A (Agricultural)			
	East: Single family residential, agriculture/forestry/vacant, rural residential - A (Agricultural)			
	West: Church - CA (General Business)			
NUMBER OF LOTS:	62			
SURVEYOR/ENGINEER:	Robert G. Campbell & Assoc.			
ACCESSIBILITY:	Access is via E. Emory Road, a major arterial with 20 ft of pavement width within 40-60 ft of right-of-way.			
SUBDIVISION VARIANCES REQUIRED:	VARIANCES 1. Reduce the minimum vertical curve on Road "B" from K=25 to K=23.8 at STA 21+00.0 2. Reduce the minimum vertical curve on Road "B" from K=25 to K=22.2 at STA 33+00.0 3. Reduce the minimum broken back curve tangent on Road "B" from 150' to 106' between STA 25+81.69 and 26+88.18			
	ALTERNATIVE DESIGN STANDARDS REQUIRING KNOXVILLE-KNOX COUNTY PLANNING COMMISSION APPROVAL 1. Reduce the minimum horizontal curve from 250' to 100' on Road "B"			

@ STA 26+88.18

2. Reduce the minimum horizontal curve from 250' to 100' on Road "B" @ STA 24+24.61

3. Reduce the minimum horizontal curve from 250' to 100' on Road "B" @ STA 20+38.52

4. Reduce the minimum horizontal curve from 250' to 100' on Road "B" @ STA 31+13.41

5. Reduce the minimum horizontal curve from 250' to 100' on Road "B" @ STA 29+52.81

6. Reduce the minimum horizontal curve from 100' to 75' on Road "A" @ STA 11+42.37

ALTERNATIVE DESIGN STANDARDS REQUIRING KNOX COUNTY ENGINEERING AND PUBLIC WORKS APPROVAL

1. Increase the maximum intersection grade from 1% to 2% at Road "A" and E. Emory Road.

2. Increase the maximum intersection grade from 1% to 2% at Road "B" and Road "B".

STAFF RECOMMENDATION:

Approve the requested variances and alternative design standards based the recommendations of the Knox County Department of Engineering and Public Works, and the proposal will not create a safety hazard.

Approve the Concept Plan subject to 11 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) Meeting the requirements of TDOT for the eastbound deceleration lane on E. Emory Road.

4) Providing a minimum 200-ft sight distance easement on lots 31, 40, 42, 50, and 60. The driveway on these lots must be located outside of the sight distance easement and shown on the plat, or the driveway must have a depth of 20 ft beyond the sight distance easement if it cannot be located outside of the sight distance easement.

5) Proving the 25-ft common area along the E. Emory Road frontage where the adjacent lots do not meet the double frontage lot depth standard per Section 3.02.A.4. of the Subdivision Regulations.

6) Providing a note on the plat that the lots identified by Knox County Engineering and Public Works during the design plan phase must have a minimum finished floor elevation one foot above the 500-year floodplain.

7) Obtaining all necessary approvals to fill the wetland as proposed. If the wetland cannot be filled as proposed, lots 10-12 and 59 may have to be adjusted to allow for buildable area of a house, or eliminated.

B) Identify the purpose of the remnant land on the south side of Beaver Creek on the final plat.

Meeting all applicable requirements of the development plan approval (3-C-22-UR).

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

11) Prior to certification of the final plat for the subdivision, establish a property owners association responsible

for the maintenance of the common areas, amenities, and drainage system.

COMMENTS:

This proposal is for a 62-lot detached residential subdivision on 22.5 acres at a density of 2.75 du/ac. A concept plan and development plan were previously approved for 70-lots in March 2022 (3-SB-22-C / 3-C-22-UR). This request is a revision to the Concept Plan only, because the previous development plan approval was for more detached residential lots and the requested setbacks remain the same.

TDOT requires an eastbound deceleration lane on E. Emory Road at the entrance. A 25 ft wide common area is provided along the E. Emory Road frontage, east of Road 'A,' to meet the double frontage lot standards in the Subdivision Regulations. The property was rezoned from A (Agricultural) to PR (Planned Residential) up to 4 du/ac in February 2022 (1-E-22-RZ).

AMENITIES

There are approximately 7.72 acres of common area/undeveloped land, but no specific amenities are proposed. The largest undeveloped area (6.8 acres) is on the south side of Beaver Creek, which is largely wetland area. If there is a proposal to develop the south side of the stream in the future, a new Development

AGENDA ITEM #: 24	FILE #: 8-SD-22-C	8/4/2022 10:14 AM	MIKE REYNOLDS	PAGE #:	24-2

Plan application will be required and a Transportation Impact Study (TIS) may be required.

CONNECTIVITY

There are no proposed road stub-outs to adjacent properties because the adjacent properties are large enough for significant development. If a road crossing of Beaver Creek is proposed in the future, a connection to adjacent properties may be feasible via the terminus of Road "B". This will require the approval of the owner of the undeveloped land, which will most likely be either the developer or the Homeowners Association.

SIDEWALKS

The Knox County sidewalk ordinance requires a sidewalk along the E. Emory Road frontage because the development is within a parental responsibility zone and within a ¼ mile of commercial facilities that would generate pedestrian traffic. The sidewalk segment east of the Road "A" intersection may be shifted to the west to make a pedestrian connection to the Tazewell Pike intersection. The details of the sidewalk installation will be determined during the design plan phase.

VARIANCES AND ALTERNATIVE DESIGN STANDARDS

The applicant's engineer listed the requested deviations from the Subdivision Regulations on the Variances/Alternative Design Standards Request form (attached), as well as the stated hardships for the requests. Staff identified additional variances and alternative design standards required. The Knox County Engineering and Public Works department agree with the variances and alternative design standards listed on the staff report.

ESTIMATED TRAFFIC IMPACT: 670 (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: 26 (public school children, grades K-12)

Schools affected by this proposal: Gibbs Elementary, Gibbs Middle, and Gibbs 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 request is final, unless the action is appealed to Knox County Chancery Court. The date of the Knox County Chancery Court appeal hearing will depend on when the appeal application is filed.



Requested Variances & Alternative Design Standards

8-SD-22-C - IRWIN ACRES

VARIANCES

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KNOX COUNTY ENGINEERING AND PUBLIC WORKS RECOMMENDATION:

Approved 8/3/22 At the

8/1/2022

Staff - Slope Analysis
Case: 8-SD-22-C

CATEGORY	ACRES	RECOMMENDED DISTURBANCE BUDGET (Percent)	DISTURBANCE AREA (Acres)
Total Area of Site	23.02		
Non-Hillside	22.45	N/A	
0-15% Slope	0.08	100%	0.1
15-25% Slope	0.24	50%	0.1
25-40% Slope	0.20	20%	0.0
Greater than 40% Slope	0.04	10%	0.0
Ridgetops			
Hillside Protection (HP) Area	0.57	Recommended disturbance budget within HP Area (acres)	0.3
		Percent of HP Area	0.4



CONCEPT PLAN FOR IRWIN ACRES KNOX COUNTY, TENNESSEE













	07-22	PER PLANING STAFF COMMISSION	SOH RGC		ROBERT G. CAMPBELL & ASSOC., L.P.	IRWIN ACRES		DESIGNED BY	CHECKED BY	SCALE	SHEET O
					CONSULTING ENGINEERS	FOR	ROAD PROFILES	RGC&A	RGC	1"=50" H 1"=5' V	NO. (7)
NC	D. DATE	DESCRIPTION	BY CKD.	RGĆ&A			KNOX COUNTY	DRAWN BY	DATE	FILE NO.	
		REVISIONS		\sim	KNOXVILLE, TENNESSEE	MATTHEW T. WHALEY		SOH	06/21/2022	21324	OF SEVEN SHEETS

ENGINEER:	ROBERT G. CAMPBELL & ASSOCIATES, L.P. 7523 TAGGART LANE KNOXVILLE, TN 37938 (865) 947-5996
DEVELOPER:	MATTHEW T. WHALEY, WHALEY CONSTRUCTION, LLC 3909 SNYDER RD KODAK, TN 37766 (865) 932-0003

8-SD-22-C Revised: 7/25/2022





Planning
KNOXVILLE I KNOX COUNTY

Development Request

	DEVELOPMENT	SUBDIVISION	ZONING
Dlannin	🔁 🗌 Development Plan	🗹 Concept Plan	🗌 Plan Amendment
rtannin	Planned Development	Final Plat	Sector Plan
KNOXVILLE KNOX COUNTY		2	🗌 One Year Plan
	Hillside Protection COA		Rezoning
Matthew Whaley			6/24/2022
Applicant Name			Date Filed
8/11/2022 ())	8-SD-22-C	
Planning Commission L Meeting (if applicable)	egislative Meeting (if applicable)	File Number(s)	
CORRESPONDENCE	All correspondence related to this application	n should be directed to the a	pproved contact listed below.
Solomon Honi Robert G. Ca	mpbell & Associates		
Name / Company			
621 Wall Street Sevierville T	N 37862		
Address			
865-429-4683 / soloman.ha	ni@rgc-a.com		
Phone / Email			
CURRENT PROPERTY I	NFO		
Matthew Whaley East Tenn	essee Land D P.O. Box 70 Kodak TN 37764	8	65-932-0003
Owner Name (if different)	Owner Address	(Owner Phone / Email
0 E EMORY RD			
Property Address			
21 066		2	3.03 acres
Parcel ID	Part c	of Parcel (Y/N)? T	ract Size
Sewer service unavailable a	t this location NORTHEAST KNO	DX WATER	
Sewer Provider	Water Provider	-	Septic (Y/N)
STAFF USE ONLY			
South side of E Emory Road,	, west of Findhorn Blvd		
General Location			
City Commission Distric	t 8 PR (Planned Residential)	Agricult	ure/Forestry/Vacant Land
County District	Zoning District		Land Use
Northeast County	MU-SD (Mixed Use Special District), HP (Hills	side and Ridg Planned	Growth Area
Planning Sector	Sector Plan Land Use Classification		Policy Plan Designation

DEVELOPMENT REQUEST

🗌 Development Plan 🛛 🗌 Planned Development	Use on Review	/ Special Use	Related City Permit Number(s)
Hillside Protection COA	Residential	Non-residential	
Home Occupation (specify)			
Other (specify)			

SUBDIVSION REQUEST

Irwin Acres		Related Rezoning File Number
Proposed Subdivision Name		
Unit / Phase Number	Total Number of Lots Created	
Additional Information		
Attachments / Additional Requirements		
ZONING REQUEST		
Zoning Change		Pending Plat File Number
Proposed Zoning		
Proposed Density (units/acre) Previous Zoning Requests		
Plan Amendment Change		
Proposed Plan Designation((s)	
Additional Information		
STAFF USE ONLY		
PLAT TYPE	Fee 1	Total
Staff Review Planning Commission	\$2,300.00	
ATTACHMENTS		
Property Owners / Option Holders Variance Requ	Fee 2	
ADDITIONAL REQUIREMENTS		
 COA Checklist (Hillside Protection) Design Plan Certification (Final Plat) 		
Site Plan (Development Request)	Fee 3	
Traffic Impact Study		
Use on Review / Special Use (Concept Plan)		
AUTHORIZATION By signing below, I certify th	nat I am the property owner, applicant, or ow	ner's authorized representative.
Matthew Whaley East Tennessee Land Development, LLC,	Р.О. Вох 70 Ко	6/24/2022
Application Authorized By	Affiliation	Date
865-932-0003		

Phone / Email

Cameron Taylor

Staff Signature

#21324	prev	riously	3-5C-, 3-C-25	22-C 2-UR
Planning KNOXVILLE KNOX COUNTY	Development Plan Development Plan Planned Development Use on Review / Special Use Hillside Protection COA Hillside Matthew Whaley	SUBDIV I Conc I Final	ISION Z ept Plan C Plat C	ONING Plan Amendment SP OYF Rezoning
Applicant Name June 24, 2022	August 11, 2022 August 22, 2022		Engineer Affiliation	File Number
Date Filed	Meeting Date (if applicable)		8-SD-22	2-C
Name 621 Wall Street	Comp Sevi	oany erville	TN	37862
621 Wall Street	Sevi	erville	TN	37862
Address	City		State	ZIP
865-429-4683	Soloman.Hani@rgc-a.com	>		
· · · · · · · · · · · · · · · · · · ·	C/Matthew W P. O. Box 70, Kodal			65-932-0003
Property Owner Name (if different)	Property Owner Addres			operty Owner Phone
0 E Emory Road		021 066		
Property Address		Parcel ID		
Hallsdale Poweli	Northeast K		- ,	N Southo (A)
Sewer Provider	Water Provider			Septic (Y
STAFF USE ONLY			00 5	
844' northeast of intersection	of E Emory Road and Tazewell Pil	ke	22.5 acr 23.49 aa	es Hes
General Location			Tract Size	
City County	PR	vacan	land	
District	Zoning District	Existing	Land Use	
Northeast County	MU-SD & NECO-1		Planned	

Planning Sector

Sector Plan Land Use Classification

Growth Policy Plan Designation

DEVELOPMENT REQUEST

Development Plan	Use on Review / Special Use	Hillside Protection COA	Related City Permit Number(s)
🗌 Residential	Non-Residential		
Home Occupation (spe	cify)		
Subdi Other (specify)	vision		

SUBDIVISION REQUEST

Irwin Acres		Related Rezoning File Number
Proposed Subdivision Name		
Divide Parcels 🗹 Divide Parcels	arcet 60	
Unit / Phase Number	Total Number of Lots Created	² −−−−−−−−−−−−−−−−−−−−−−−−−−−−−−−−−−−−
Other (specify) Detached residential subdivision	on	
Attachments / Additional Requirements		
ZONING REQUEST		
		Pending Plat File Number
Zoning Change Proposed Zoning		
Plan Amendment Change Proposed Plan Designation(s)		
Proposed Density (units/acre) Previous Rezoni	ng Requests	
Other (specify)		
		τα σταλά
STAFF USE ONLY		
PLAT TYPE	Fee 1	Total
🗋 Staff Review 🛛 📕 Planning Commission		10(2)
ATTACHMENTS	108 Cond	cept Plan
Property Owners / Option Holders 🛛 Variance Request	Fee 2	
ADDITIONAL REQUIREMENTS		\$2,300 мі
Design Plan Certification (Final Plat)		φ2,300
Use on Review / Special Use (Concept Plan)	Fee 3	
Traffic Impact Study		
COA Checklist (Hillside Protection)		
ANNAG(@);174-34(@)/V		
	ner Mathew Whaley G. Campbell & Associates	624/2022
Applicant Signature Please Pr		Date
c human hansi ci		
Sulanda Deep Dolor	nan, Hani@rgc-	A.Com
Phone Number Email	0 0	
See above	,	

Property Owner Signature





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:

andand				
(applicant or staff to post sign)	(applicant to remove sign)			
Applicant Name:				
Date:	Sign posted by Staff			
File Number:	Sign posted by Applicant			