

SUBDIVISION REPORT -CONCEPT/USE ON REVIEW

►	FILE #: 5-SD-22-C	A	GENDA ITEM #:	23
	5-H-22-UR	Α	GENDA DATE:	5/12/2022
►	SUBDIVISION:	PARKER'S FOREST		
►	APPLICANT/DEVELOPER:	MP DEVELOPMENT GROUP, LLC		
	OWNER(S):	Pamela S. Clabough		
	TAX IDENTIFICATION:	57 057	<u>View map</u>	on KGIS
	JURISDICTION:	County Commission District 7		
	STREET ADDRESS:	704 Irwin Dr.		
۲	LOCATION:	Southeast side of Irwin Drive, east of Grizzly	/ Creek Lane	
	SECTOR PLAN:	North County		
	GROWTH POLICY PLAN:	Planned Growth Area		
	WATERSHED:	Beaver Creek		
۲	APPROXIMATE ACREAGE:	53.97 acres		
►	ZONING:	PR (Planned Residential)		
►	EXISTING LAND USE:	Vacant/forested land		
۲	PROPOSED USE:	Detached residential subdivision		
	SURROUNDING LAND USE AND ZONING:	North: Rural residential, Single family residential Residential) South: Commercial, Transportation/Communica CB (Business and Manufacturing), C-H-2 (High (General Agricultural), HP (Hillside Protection O East: Single family residential, Vacant land A Density Residential) West: Rural residential, Single family residential Residential), A (Agricultural)	ation/Utilities, Vacant way Commercial), A overlay) (Agricultural), RA (L	: land G
►	NUMBER OF LOTS:	16		
	SURVEYOR/ENGINEER:	Chad Roberts / MP Development Group, LLC		
	ACCESSIBILITY:	Access is via Irwin Drive, a local road with 20 ft 50 ft of right-of-way.	of pavement width v	ithin 45-
•	 SUBDIVISION VARIANCES REQUIRED: VARIANCES 1. Reduce the minimum intersection approach vertical curve fo "A" at Irwin Drive from K=15 to K=14. 2. Allow Road "B" to be used as a T-turnaround as an alternative cul-de-sac on both ends of Road "B". ALTERNATIVE DESIGN STANDARDS REQUIRING KNOXVILLE- COUNTY PLANNING COMMISSION APPROVAL 			ve to a
_	GENDA ITEM #: 23 FILE #: 5-SD-22	1. Reduce the minimum private road paveme		

2. Reduce the minimum private right-of-way width from 50ft to 40ft.

ALTERNATIVE DESIGN STANDARDS REQUIRING KNOX COUNTY ENGINEERING AND PUBLIC WORKS APPROVAL 1. Increase the maximum intersection grade from 1 percent to 1.3

Increase the maximum intersection grade from 1 percent to 1.3 percent at the intersection of Road "A" at Irwin Road.
 Increase the maximum intersection grade from 1 percent to 2 percent at the intersection of Road "A" at Road "B".

STAFF RECOMMENDATION:

Deny variance #1 based on the rationale provided in the staff comments.

Approve variance #2 and the requested alternative design standards based on the justifications provided by the applicant, 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 the relevant requirements of the utility provider.

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

3. Certifying that the required 300 ft of sight distance is available in both directions at the Road 'A' access point with documentation provided to Knox County Engineering and Public Works for review and approval during the design plan phase.

4. Providing a sight distance easement on the final plat along the Irwin Drive frontage per Knox County Engineering and Public Works requirements.

5. Providing a note on the final plat that lots 1-15 shall have access to the internal road system only.

6. Locating the detention pond on a common area lot unless approved otherwise by Knox County Engineering and Public Works during the design plan phase.

7. Provide a note on the final plat that the private right-of-way is not a public street and will not be maintained by Knox County.

8. Meeting all applicable requirements of the Knox County Zoning Ordinance.

9. Meeting all applicable requirements of the Knox County Department of Engineering and Public Works.
 10. Submitting to Planning staff prior to final plat review by the Planning Commission or Planning staff, the certification of design plan approval form as required by the Knoxville-Knox County Subdivision Regulations.
 11. Prior to certification of the final plat for the subdivision, establish a property owners association responsible for maintaining the road, common areas, amenities, and drainage system.

Approve the development plan for up to 16 detached dwellings on individual lots, subject to 1 condition.

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

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

COMMENTS:

VARIANCE DENIAL -- Staff is recommending denial of variance #1 because the site topography does not restrict the ability to increase the vertical curve length to obtain the required K value of 15 on Road 'A' at the intersection approach to Irwin Drive. The applicant is requesting a K value of 14.

This proposal is for a 16-lot detached residential subdivision on 53.97 acres at a density of 0.3 du/ac. In April 2022, Knox County Commission approved rezoning the property from RA (Low Density Residential) to PR (Planned Residential) up to 1 du/ac (3-B-22-RZ). In 1993, a 42-lot subdivision was approved for this property (10-SG-93-C). Clearing and grading for the road system started not long after the 1993 approval, but the development was abandoned shortly thereafter.

Fifteen (15) of the lots are clustered in the northwest portion of the property, ranging from 5,000 sqft to 13,551 sqft. The 16th lot is the balance of the property, approximately 50.5 acres. The 15 clustered lots are on approximately 3.4 acres, with a net density of 4.4 du/ac (excluding the land area for Lot 16).

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The internal roads are private and proposed with a 24 ft pavement width within a 40 ft right-of-way. For private roads, the Planning Commission may approve the reduced right-of-way unless recommended otherwise by Knox County Engineering and Public Works, and the reduced pavement width if an appropriate amount of guest parking is provided. Knox County Engineering and Public Works do not oppose the requested width reductions, and there are sufficient on-street parking opportunities to accommodate guest parking.

The proposed access point is near the southwest tangent of a 90-degree curve in Irwin Drive that wraps around the northwest corner of this site. To obtain the 300 ft sight distance required at the Road 'A' intersection with Irwin Drive, vegetation must be removed on the inside of this curve and a sight distance easement must be provided on the final plat to ensure that structures, fences and tall vegetation do not block visibility through the curve.

DEVELOPMENT STANDARDS FOR USES PERMITTED ON REVIEW (ARTICLE 4.10 – SECTION 2)

The Planning Commission, in the exercise of its administrative judgment, shall be guided by adopted plans and policies, including the general plan and the following general standards:

1) THE PROPOSED USE IS CONSISTENT WITH THE ADOPTED PLANS AND POLICIES, INCLUDING THE GENERAL PLAN AND SECTOR PLAN.

A. The North County Sector Plan classifies this property as LDR (Low Density Residential) and HP (Hillside Protection). The LDR land use allows consideration of up to 5 du/ac.

B. The property is in the planned growth area on the Knoxville-Knox County-Farragut Growth Policy Plan map.C. The property has 38.44 acres within the HP area. The slope analysis recommends a disturbance maximum of 11.3 acres in the HP area. Only .85 acres of the HP area is near the house lots and only the driveway for Lot

16 goes through the HP area.

2) THE USE IS IN HARMONY WITH THE GENERAL PURPOSE AND INTENT OF THE ZONING ORDINANCE.

A. The PR (Planned Residential) zone is intended to provide optional methods of land development which encourage more imaginative solutions to environmental design problems.

B. In April 2022, Knox County Commission approved rezoning the property to PR (Planned Residential) up to 1 du/ac.

C. The proposed density is 0.3 du/ac.

D. This proposal clusters lots away from the stream in the middle of the site and the steep slopes in the southern portion of the property.

3) THE USE IS COMPATIBLE WITH THE CHARACTER OF THE NEIGHBORHOOD WHERE IT IS PROPOSED, AND WITH THE SIZE AND LOCATION OF BUILDINGS IN THE VICINITY.

A. The proposed 35 ft setback along the Irwin Drive frontage is the same as the required front setback of the RA (Low Density Residential), which most of the residential properties along Irwin Drive are zoned.

B. The houses on the opposite side of Irwin Drive are setback further from the road than 35 ft because the plat for the properties requires a 50 ft front setback, which may have been required setback in 1956 when those properties were created.

4) THE USE WILL NOT SIGNIFICANTLY INJURE THE VALUE OF ADJACENT PROPERTY.

A. The proposed detached residential subdivision is compatible with the surrounding detached residential uses and will not significantly impact the value of the adjacent property.

5) THE USE WILL NOT DRAW ADDITIONAL TRAFFIC THROUGH RESIDENTIAL AREAS.

A. The subdivision accesses Irwin Drive, which is a local street with other residential uses along it.

6) THE NATURE OF DEVELOPMENT IN THE SURROUNDING AREA IS NOT SUCH AS TO POSE A POTENTIAL HAZARD TO THE PROPOSED USE OR TO CREATE AN UNDESIRABLE ENVIRONMENT FOR THE PROPOSED USE.

A. There are no known uses in the area that could be a potential hazard or create an undesirable environment for the proposed use.

ESTIMATED TRAFFIC IMPACT: 193 (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: 7 (public school children, grades K-12)

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

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

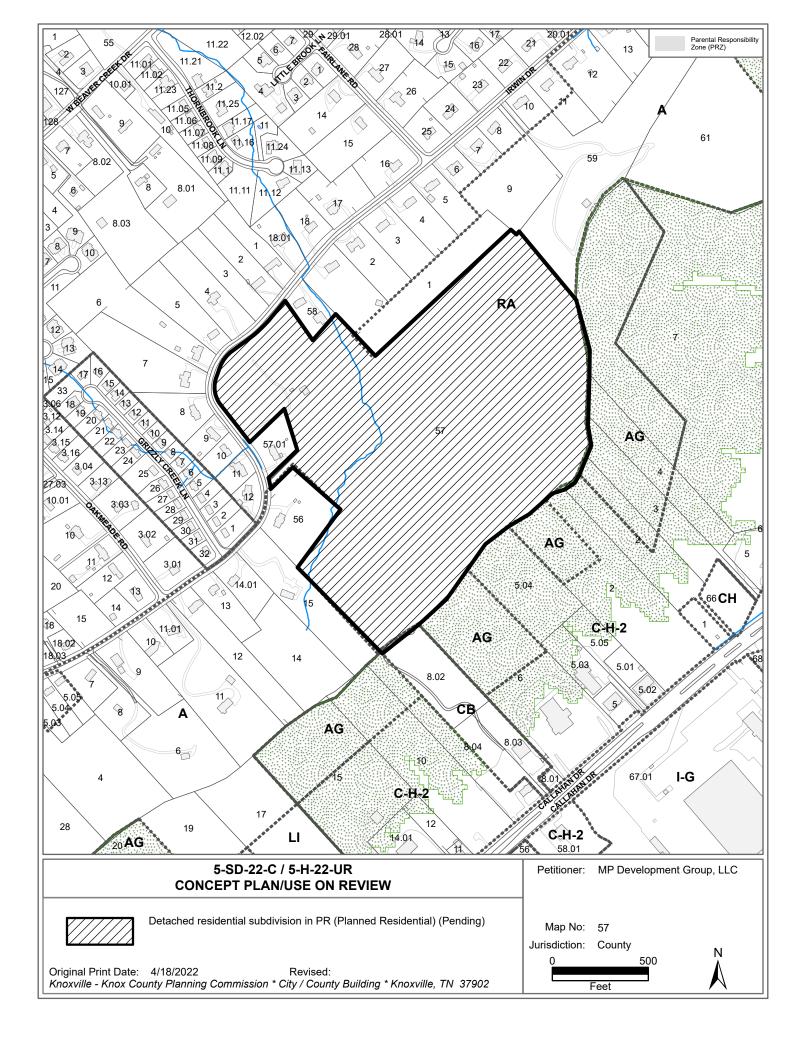
• Students are assigned to schools based on current attendance zones as determined by Knox County Schools. Students may request transfers to different zones, and zone boundaries are subject to change.

• 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.

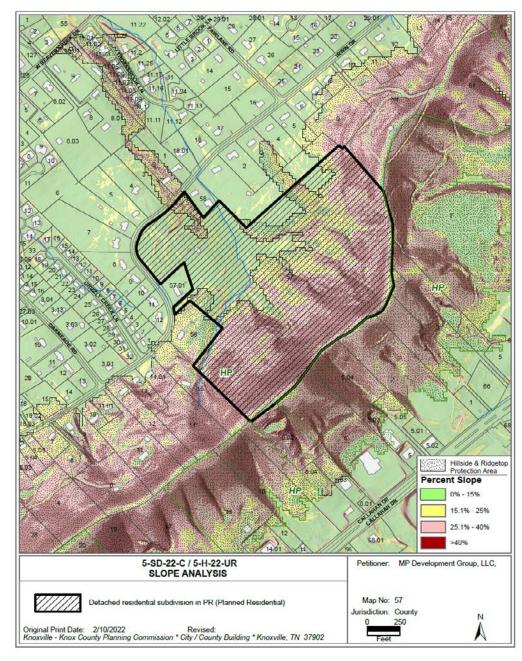
Knoxville-Knox County Planning Commission's approval or denial of this concept plan request is final, unless the action is appealed to Knox County Chancery Court. The date of the Knox County Chancery Court hearing will depend on when the appeal application is filed.

Knoxville-Knox County Planning Commission's approval or denial of this use on review request is final, unless the action is appealed to the Knox County Board of Zoning Appeals. The date of the Knox County Board of Zoning Appeals hearing will depend on when the appeal application is filed.



Staff - Slope Analysis Case: 5-SD-22-C

CATEGORY	ACRES	RECOMMENDED DISTURBANCE BUDGET (Percent)	DISTURBANCE AREA (Acres)
Total Area of Site	53.44		
Non-Hillside	15.00	N/A	
0-15% Slope	3.30	100%	3.3
15-25% Slope	7.82	50%	3.9
25-40% Slope	13.88	20%	2.8
Greater than 40% Slope	13.44	10%	1.3
Ridgetops			
Hillside Protection (HP) Area	38.44	Recommended disturbance budget within HP Area (acres)	11.3
		Percent of HP Area	29%



VARIANCES/ALTERNATIVE 🔊 Planning **DESIGN STANDARDS REQUESTED** Use T-tum-around instead of bulb cul-de-sec Justify request by indicating hardship: Turn- around shown nuorts AASHTO criteria her furn-around 2. Tricrease grade from 1% to 1.3% C Frwin Pood Justify request by indicating hardship: Matches existing road cross slope and entrance while MINIMITING grading Station 11 envie 15.5 C 15 00 NOM Justify request by indicating hardship: The Variance requisi condition [note required -- MR] Wom 25 Heduce 70 14 located @ Justify request by indicating hardship: LIS 15 Can The entrance and near stop which condition distance requirements SIGht MINIMLERS to 5. Reduce Now tornon RF 50 to size of development KO Due Justify request by indicating hardship: room is available to pet in utig have at ff-40 6. Reduce want width from 26 ft to 24 ft [MR] Justify request by indicating hardship: Dve to syze of devolopment and ovailability of parting & horses not required parking 15 7 Increase maximum intersection grade from 1% to 2% on Road "A" at Road "B" [MR] Justify request by indicating hardship:

I certify that any and all requests needed to meet regulations are requested above, or are attached. I understand and agree that no additional variances can be acted upon by the legislative body upon appeal and none will be requested.

Linlue

Requested Variances & Alternative Design Standards

5-SD-22-C / 5-H-22-UR – PARKER'S FOREST SUBDIVISION

VARIANCES

- 1. Reduce the minimum intersection approach vertical curve for Road "A" at Irwin Drive from K=15 to K=14.
- 2. Allow Road "B" to be used as a T-turnaround as an alternative to a cul-de-sac on both ends of Road "B".

ALTERNATIVE DESIGN STANDARDS REQUIRING KNOXVILLE-KNOX COUNTY PLANNING COMMISSION APPROVAL

- 1. Reduce the minimum private road pavement width from 26ft to 24ft.
- 2. Reduce the minimum private right-of-way width from 50ft to 40ft.

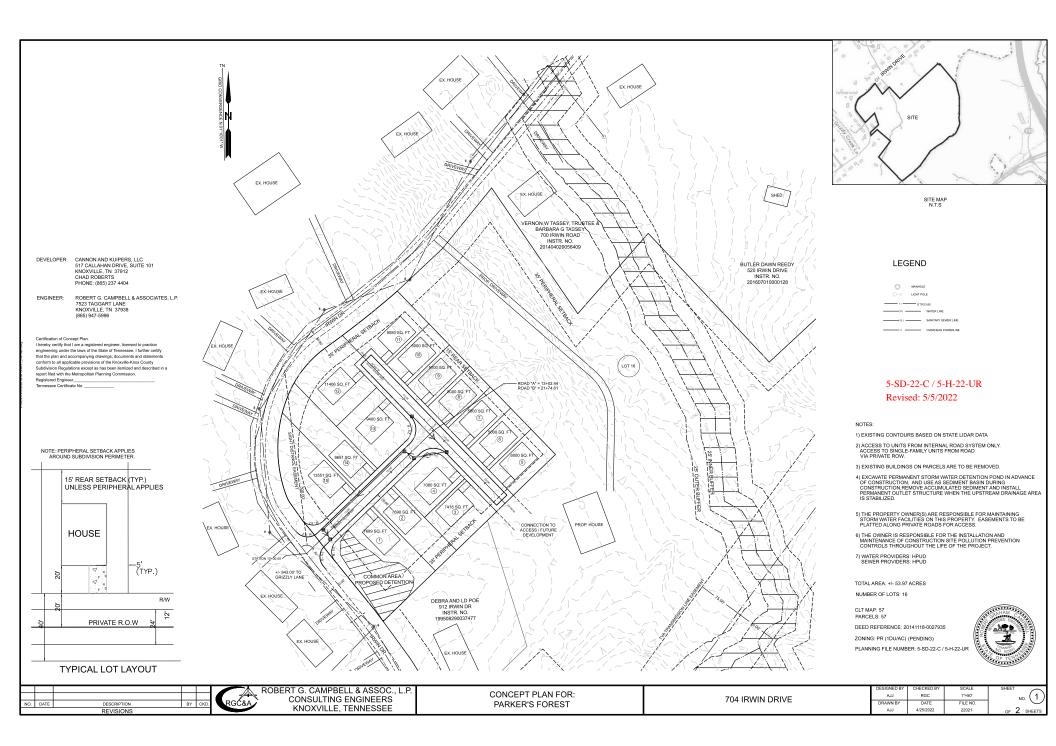
ALTERNATIVE DESIGN STANDARDS REQUIRING KNOX COUNTY ENGINEERING AND PUBLIC WORKS APPROVAL

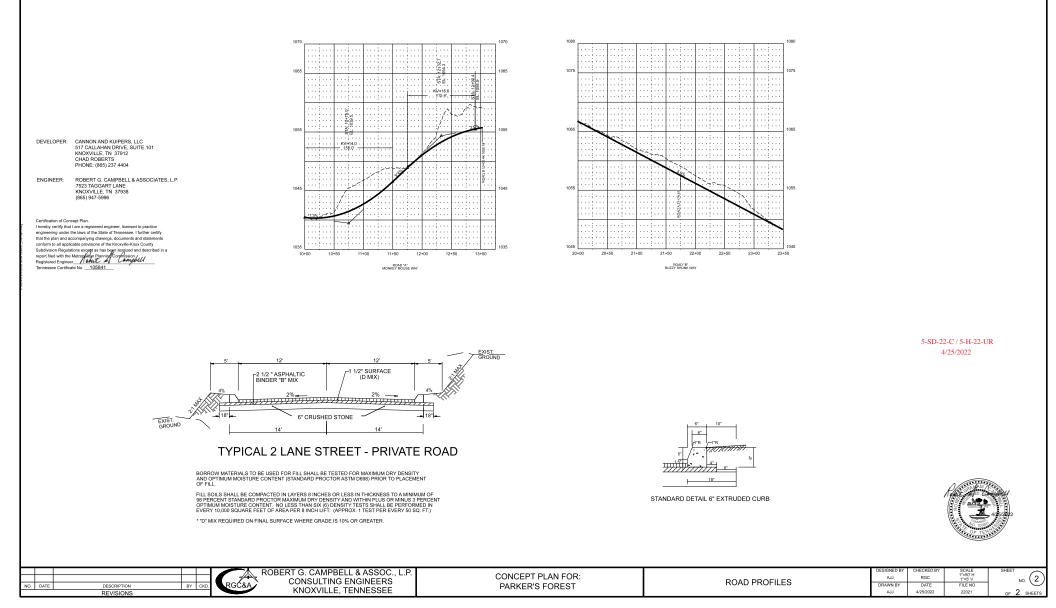
- 1. Increase the maximum intersection grade from 1 percent to 1.3 percent at the intersection of Road "A" at Irwin Road.
- 2. Increase the maximum intersection grade from 1 percent to 2 percent at the intersection of Road "A" at Road "B".

KNOX COUNTY ENGINEERING AND PUBLIC WORKS RECOMMENDATION:

Deny variance #1 because the site topography does not restrict the ability to increase the vertical curve length to obtain the required K value of 15.

With exception of variance #1, Knox County Engineering has reviewed the variance and alternate design standard requests for the Irwin Road site and find them to be acceptable. In our professional opinion these deviations will not create unsafe roadway conditions nor negatively impact present or future traffic operations.

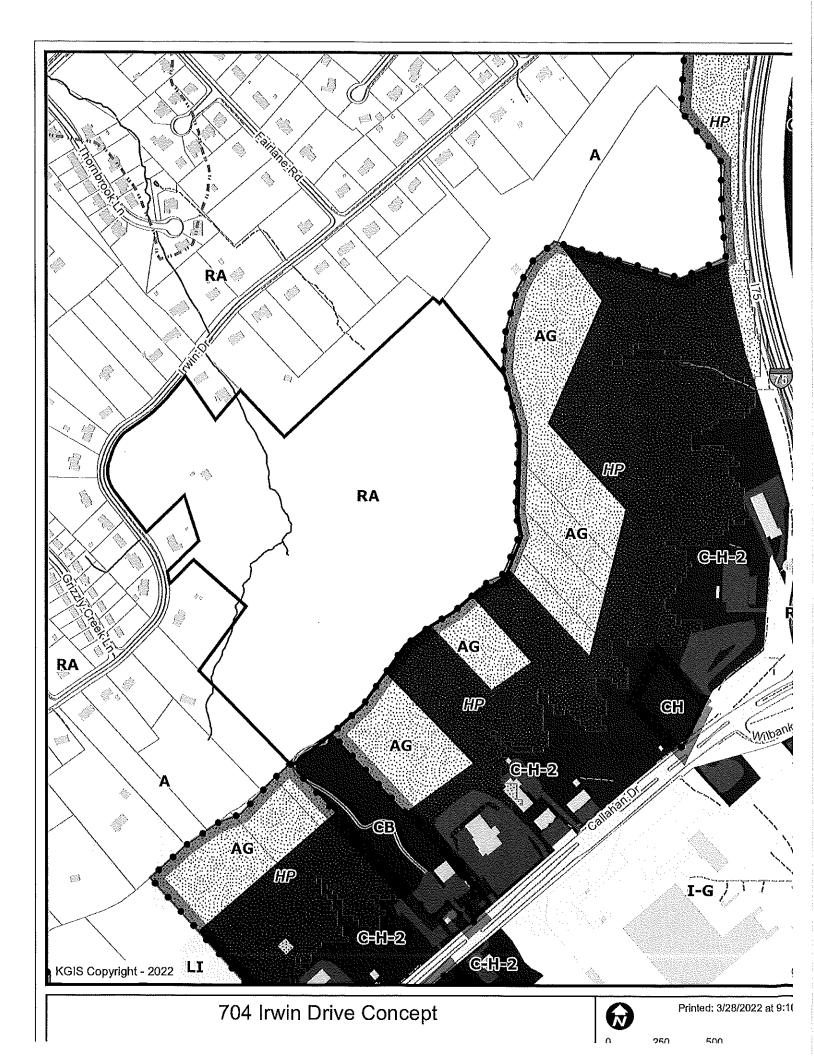




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Planning KNOXVILLE KNOX COUNTY	Development Plan	_
MIP Deve	lopment Group, LLC	Option holder
Applicant Name		
3.28-22 Date Filed	May 12, 2022 Meeting Date (if applicable)	File Number(s) 5-SD-22-C 5-H-22-UR
CORRESPONDENCE	All correspondence related to this application should	
Chad Robe		Engineer Architect/Landscape Architect
Name	Company	
ST CAIIA Address	Ahr. Dr. Suite 101 Knox City	<u>Th</u> <u><u>57972</u> State ZIP</u>
865-737-44	104 Jayrelan	ul chad @ comeastivet
Phone	Email	
CURRENT PROPERTY IN	NEO	
Property Owner Name (If diff	erent) Property Owner Address	AKTikht To SUS-237-44 Property Owner Phone
704 Inin	Dr. Pourly The OF	57 057
Property Address	Parc	el ID
HPUD	HPUD	N
Sewer Provider	Water Provider	Septic (Y/N)
STAFF USE ONLY		
704 Irwin	Southeast side of Irwin Dr, <u>Drive</u> east of Grizzly Creek Ln	53,97 acres
General Location	PR (pending)	Tract Size Agricultural/Forested/Vacant) Residentia
City County District	en and and a second	Kisting Land Use
North Cou	nty LDR & HP	Planned Growt
Planning Sector	Sector Plan Land Use Classification	Growth Policy Plan Designation

November 22, 2021

		Databat Oliv	Dormit Manute - dat
🖞 Development Plan 💢 Use on Review / Special Use 🔲 Hillside	Protection COA	Kelated City	Permit Number(s)
Residential Non-Residential			
lome Occupation (specify)	*** ****************************		
wher (specify) Detached residential subdivision	** *****		
SUBDIVISION REQUEST			
Parker's Forest		Related Rezo	oning File Number
roposed Subdivision Name	16	3-B-22-R	7
Init / Phase Number	Total Number of Lots Creat	ed	<u>ک</u>
Other (specify)			
Attachments / Additional Requirements	\	nan manana kana kana kana kana kana kana	N & M & THE THE STREET AND A STRE
ZONING REQUEST		Panding 0	lat File Number
Zoning Change Proposed Zoning			
Plan Amendment Change Proposed Plan Designation(s)		, , , , , , , , , , , , , , , , , , ,	1,17,17,19,19,17,17,17,17,17,17,17,17,17,17,17,17,17,
oposed Density (units/acre) Previous Rezoning Req	uests		
Other (specify)			
STAFF USE ONLY	Fee 1		
LAT TYPE 3 Staff Review Defining Commission	0	JOR fee based n 16 acres req'd	Total
	100	or 16 lots @ _du/ac	\$2,900
Property Owners / Option Holders 🛛 Variance Request	Fee 2		φ2,900
DDITIONAL REQUIREMENTS			
Design Plan Certification (Final Plat)	Fee 3	anna a gdfard bladain, fyr ywr manwrainia y flwyd frwria ad balan ann	
l Use on Review / Special Use <i>(Concept Plan)</i> Traffic Impact Study			
COA Checklist (Hillside Protection)			
AVID-HOLHIZANHOINE .	L		
MARKA Chacl	P.b. +		7-22
pplicant Signature Please Print		ے کے Date	/~
	and chad OC		h 1 p at
none Number Email		UTVIC451	
amela Clabough GYMC VS91-ZXV0-UZF Pamela S.	Clabough	3.Z.	7-22
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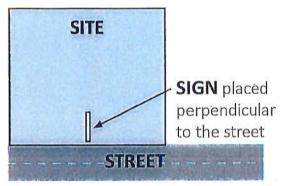




Sign Posting & Removal Requirement

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-ofway 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:

april 27, 2022 and_	may 13, 2022
(applicant or staff to post sign)	(applicant to remove sign)
Applicant Name: MP Development (Date: $3 29 2022$ File Number: $5-50-32-C$ 5-H-22-UR	Sign posted by Staff Sign posted by Applicant

Knoxville-Knox County Planning | KnoxPlanning.org 400 Main Street, Suite 403 | Knoxville, TN 37902 | 865.215.2500