

# SUBDIVISION REPORT - CONCEPT/USE ON REVIEW

► FILE #: 5-SA-20-C AGENDA ITEM #: 19

5-A-20-UR AGENDA DATE: 5/14/2020

► SUBDIVISION: THOMPSON MEADOWS

► APPLICANT/DEVELOPER: MESANA INVESTMENTS, LLC

OWNER(S): Tony R. & Don L. Davis

TAX IDENTIFICATION: 20 15801 <u>View map on KGIS</u>

JURISDICTION: County Commission District 8
STREET ADDRESS: 7711 Thompson School Rd.

► LOCATION: West side of Thompson School Rd., north of E. Emory Rd.

SECTOR PLAN: Northeast County

GROWTH POLICY PLAN: Planned Growth Area

WATERSHED: Beaver Creek

APPROXIMATE ACREAGE: 43.83 acres

ZONING: PR (Planned Residential)

► EXISTING LAND USE: Vacant land

► PROPOSED USE: Detached residential subdivision

SURROUNDING LAND USE AND ZONING:

This area has been transitioning from a rural area to a residential area with small, single-family lots. Rezonings to PR began in the mid-1990s, with PR developments being built through the early 2000s. Gibbs Elementary, Middle, and High Schools are nearby to the east off of Tazewell Pike.

► NUMBER OF LOTS: 187

SURVEYOR/ENGINEER: Robert G Campbell & Associates

ACCESSIBILITY: Access is via Thompson School Road, a major collector 18.6 feet of

pavement within 60 feet of right-of-way.

► SUBDIVISION VARIANCES

REQUIRED:

VARIANCES REQUIRING PLANNING COMMISSION APPROVAL:

1) Reduction of reverse curve tangent length from 50 feet to 14.22 feet, Road 'D' between curves C7 & C8.

2) Reduction of broken back curve tangent length from 150 feet to

144.45 feet, Road 'D' between curves C8 & C9.

3) Reduction of vertical curve K value from 25 to 17.8, Road 'A' (Bill Keaton Road) at STA 11+00.

ALTERNATIVE DESIGN STANDARDS REQUIRING PLANNING COMMISSION APPROVAL:

1) Reduction of horizontal curve radius from 250 feet to 150 feet -

curve C1.

- 2) Reduction of horizontal curve radius from 250 feet to 150 feet curve C2.
- 3) Reduction of horizontal curve radius from 250 feet to 150 feet curve C4.
- 4) Reduction of horizontal curve radius from 250 feet to 150 feet curve C10.

# ALTERNATIVE DESIGN STANDARDS APPROVED BY KNOX COUNTY ENGINEERING AND PUBLIC WORKS:

- 1) Increase maximum intersection grade at both ends of Road 'B' from 1 percent to 3 percent.
- 2) Increase maximum intersection grade for Road 'C' at Road 'D' from 1 percent to 3 percent.

#### STAFF RECOMMENDATION:

► APPROVE variances 1-3 because topographic constraints and site conditions restrict compliance with the Subdivision Regulations and will not create a traffic hazard.

APPROVE alternate design standards 1-4 based on the recommendations of the Knox County Department of Engineering and Public Works.

## **APPROVE** the Concept Plan subject to 7 conditions.

- 1. Connection to sanitary sewer and meeting any other relevant requirements of the utility provider.
- 2. Provision of street names which are consistent with the Uniform Street Naming and Addressing System within Knox County (County Ord. 91-1-102).
- 3. Meeting all applicable requirements of Knox County Engineering and Public Works.
- 4. Meeting all applicable requirements of the Tennessee Department of Environment and Conservation for crossing the "possible stream" with Road 'D'.
- 5. Prior to certification of the final plat for the subdivision, establishing a property owners association that will be responsible for the maintenance of the common areas, recreational amenities and drainage system.
- 6. Providing a 200' sight distance easement in curves C4 (Bill Keaton Road) and C10 (Road 'D') as identified on the Concept Plan.
- 7. A final plat application based on this concept plan will not be accepted for review until certification of design plan approval has been submitted to Planning staff.
- ► APPROVE the request for up to 187 detached dwellings on individual lots and a reduction of the peripheral setback to 30 ft, subject to 2 conditions.
  - 1. Meeting all applicable requirements of the Knox County Zoning Ordinance.
  - 2. Identifying common area on the Final Plat that is similarly distributed throughout the neighborhood as shown on the Concept Plan.

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

#### **COMMENTS:**

The proposed subdivision includes 187 lots for detached residential houses on 43.83 acres at a density of 4.3 dwelling units per acre. The subdivision will have access direct access to Thompson School Road and will connect to Bill Keaton Road in the Wheatmeadow subdivision to the north. The rezoning of the property from Agricultural (A) to Planned Residential (PR) up to 5 dwelling units per acre was approved on April 27th by County Commission after being deferred in March because the County Commission was canceled.

A Traffic Impact Letter (TIL) was submitted by the applicants engineer to determine if a turn lane is warranted on Thompson School Road at either the proposed access point or at Wheatmeadow Road, the access for the Wheatmeadow subdivision, since the two subdivisions will have an internal road connection. The TIL assumed a worst-case scenario of having all the traffic from both subdivisions using only the Wheatmeadow Road access and determined that a turn lane is not required under this scenario, therefore, a turn lane would

also not be required at the new access since the traffic will be split between the two access points.

A 50-foot access easement is being provided to the property north of the new access road (Davis - parcel 021-03701). This is being provided because once the new road is installed, this property will not be able to create a new road connection to Thompson School Road without a variance to reduce the minimum 300-ft distance between intersections. The large property to the south does not require an easement to connect to the new road because its right-of-way touches the property line. In addition, the property to the south can create a road connection to Thompson School Road without a variance and it can connect to two road stub outs in the subdivision to the southeast.

The subdivision has six common areas that can be used by the residents for different functions. The amenity proposed for five of these common areas is a dog park. The other common area is proposed as the location for the mail center (northeast corner of the development). Sidewalks are not proposed within the subdivision and are not required according to the County's recently adopted sidewalk policy. If the developer chooses to install sidewalks or the Planning Commission requires sidewalks, the neighborhood residents would be responsible for their maintenance in perpetuity.

EFFECT OF THE PROPOSAL ON THE SUBJECT PROPERTY, SURROUNDING PROPERTY AND THE COMMUNITY AS A WHOLE

- 1. The proposed subdivision will have minimal impact on local services since utilities are available to serve this site.
- 2. No improvements to Thompson School Road are required for this development based on the anticipated number of vehicle trips and the existing condition of the road in this location.
- 3. An estimated 62 school aged children will live in this subdivision.

# CONFORMITY OF THE PROPOSAL TO CRITERIA ESTABLISHED BY THE KNOX COUNTY ZONING ORDINANCE

- 1. With the stated conditions, the detached residential subdivision meets the standards for development within a PR (Planned Residential) Zone and all other requirements of the Zoning Ordinance.
- 2. The proposed subdivision is consistent with the general standards for uses permitted on review: The proposed development is consistent with the adopted plans and policies of the General Plan and Sector Plan. The use is in harmony with the general purpose and intent of the Zoning Ordinance. The use is compatible with the character of the neighborhood where it is proposed. The use will not significantly injure the value of adjacent property. The use will not draw additional traffic through residential areas.

#### CONFORMITY OF THE PROPOSAL TO ADOPTED PLANS

- 1. The Northeast County Sector Plan designates this property for low density residential use with a maximum density of 5 du/ac. At a proposed density of 4.3 du/ac, the proposed subdivision is consistent with the Sector Plan.
- 2. The site is located within the Planned Growth Area on the Knoxville-Knox County-Farragut Growth Policy Plan map.

ESTIMATED TRAFFIC IMPACT: A traffic impact study was prepared by the applicant. The findings of that study were used in formulating the recommendations of this staff report.

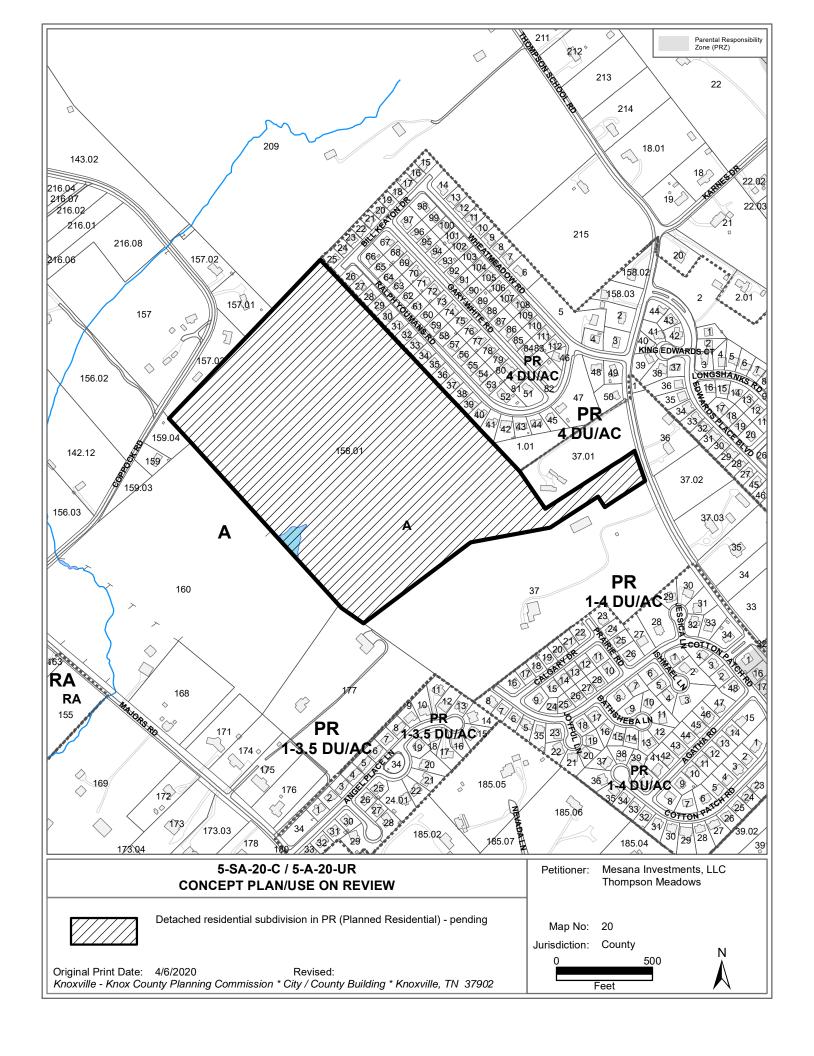
ESTIMATED STUDENT YIELD: 62 (public school children, grades K-12)

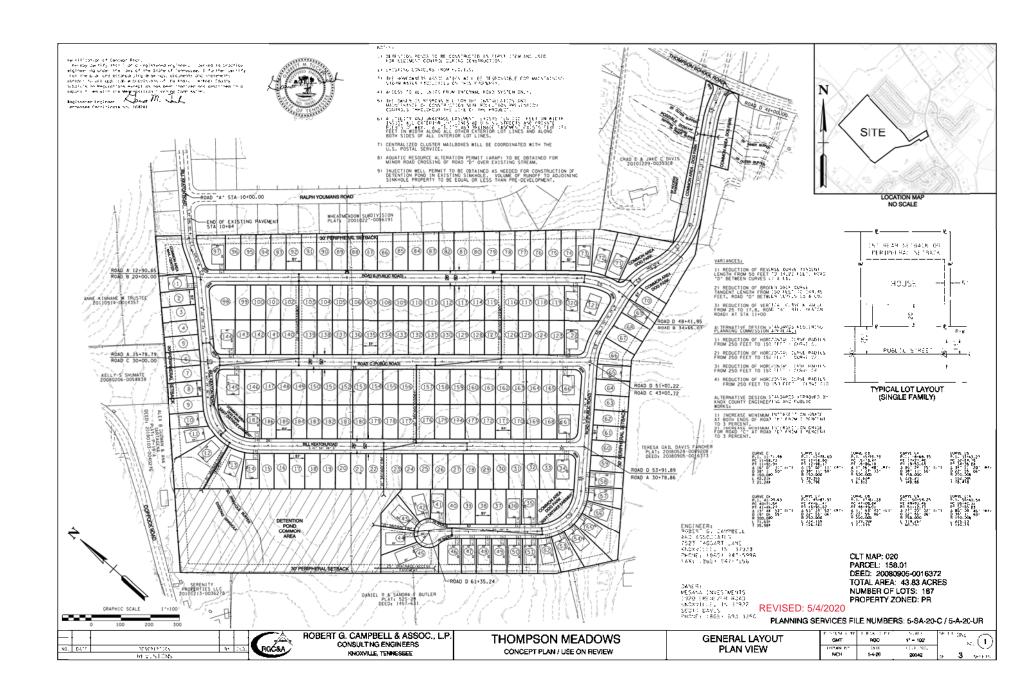
Schools affected by this proposal: Gibbs Elementary, Gibbs Middle, and Gibbs High.

- 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.

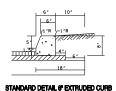
Knoxville-Knox County Planning Commission's approval or denial of this concept plan request is final, unless the action is appealed to Knox County Chancery Court. The date of the Knox County Chancery Court hearing will depend on when the appeal application is filed.

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.

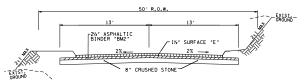








5-SA-20-C / 5-A-20-UR REVISED: 5/4/2020

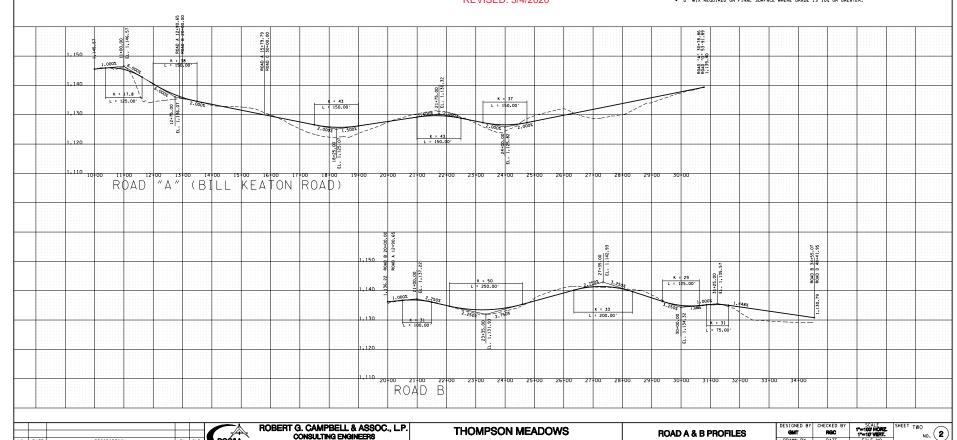


# TYPICAL 2 LANE STREET PUBLIC ROADS

BORROW MATERIALS TO BE USED FOR FILL SHALL BE TESTED FOR MAXIMUM DRY DENSITY AND OPTIMUM MOISTURE CONTENT (STANDARD PROCTOR ASTM D698) PRIOR TO PLACEMENT OF FILL.

SALL BE COMPACTED IN LATER 8 INCHES ON LESS IN THICKNESS TO A MINIMAL OF THE PROPERTY OF THE P

• "D" MIX REQUIRED ON FINAL SURFACE WHERE GRADE IS 10% OR GREATER.



RGC&A DESCRIPTION REVISIONS NO. DATE

ROBERT G. CAMPBELL & ASSOC., L.P. CONSULTING ENGINEERS KNOXVILLE, TENNESSEE

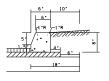
THOMPSON MEADOWS CONCEPT PLAN / USE ON REVIEW

**ROAD A & B PROFILES** 

HECKED RGC DRAWN BY DATE 4-22-20

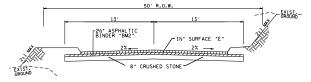
3 SHEETS





STANDARD DETAIL 6" EXTRUDED CURB

5-SA-20-C / 5-A-20-UR REVISED: 5/4/2020



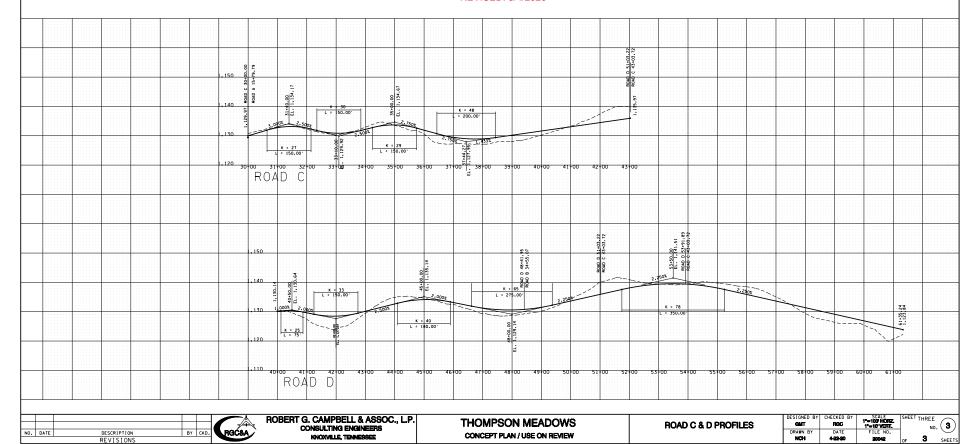
# **TYPICAL 2 LANE STREET**

PUBLIC ROADS

BORROW MATERIALS TO BE USED FOR FILL SHALL BE TESTED FOR MAXIMUM DRY DENSITY AND OPTIMUM MOISTURE CONTENT (STANDARD PROCTOR ASTM D698) PRIOR TO PLACEMENT OF FILL.

FILE SOILS SHALL BE COMPACTED IN LAYERS 8 INCHES OR LESS IN THICKNESS TO A MINIMAN OF 98 PERCENT STANDARD PROCTOR MAXIMAN DIVENSITY AND WITHIN PLUS OR MININS 3 PERCENT OPTIMAN MOISTURE CONTENT. NO LESS THAN SIX (6) DENSITY TESTS SHALL BE PERFORMED IN EVERY 10,000 SOLARE FEET OF AREA PER 8 INCHLIFT. CAPPROX. I TEST PER EVERY SOS. FT.)

• "D" MIX REQUIRED ON FINAL SURFACE WHERE GRADE IS 10% OR GREATER.



	DE	VELOPMENT	S	UBDIVISION	zc	NING
Planning KNOXVILLE I KNOX COUNTY		Development Plan Use on Review / Specia		Concept Plan Final Plat		Plan Amendment Rezoning
Mesana Investments LLC			FEB 2	4 2020		
Applicant				knox County	EA.	anc.
2/24/2020		April 9, 2020	Plai	ining S		30-11 B
Date Filed		Meeting Date (if applicab	e)	File Nu	ımbers	(s)

All correspondence related to this ap  ☐ Applicant ☐ Owner ☐ Opt	ion Holder			ne Architect	
Garrett Tucker, PE		r ■ Engineer □ Architect/Landscape Architect  Robert G. Campbell and Associates, LP			
Name		Company			
7523 Taggart Lane		Knoxville	TN	37938	
Address	· · · · · · · · · · · · · · · · · · ·	City	State	Zip	
865-947-5996	gtucker@rgc-a	.com			
Phone	Email	-			
CURRENT PROPERTY I	NFO				
Tony R & Don L Davis	7717 Th	ompson School Roa	ad		
Owner Name (if different)	Owner Add	ress	Ov	vner Phone	
Corryton, TN 37721		CLT 20	Parcel 158.0	1	
Property Address W/S Thomas	Souschool Role	Parcel ID			
7711 Thompson School Ro	ad, Corryton, TN 3772	21	43.83 A		
General Location			Tract Size		
Eighth		Agricult	ural and Estate	e (A) PR pende	
Jurisdiction (specify district above)	☐ City <b>■</b> County	Zoning Dist	trict	Post	
Northeast County	LDR	8	Planned	Growth	
Planning Sector	Sector Plan Land Use	Classification	Growth Pol	icy Plan Designation	
AgForVac	N	HPUD	NE	(UD	

Sewer Provider

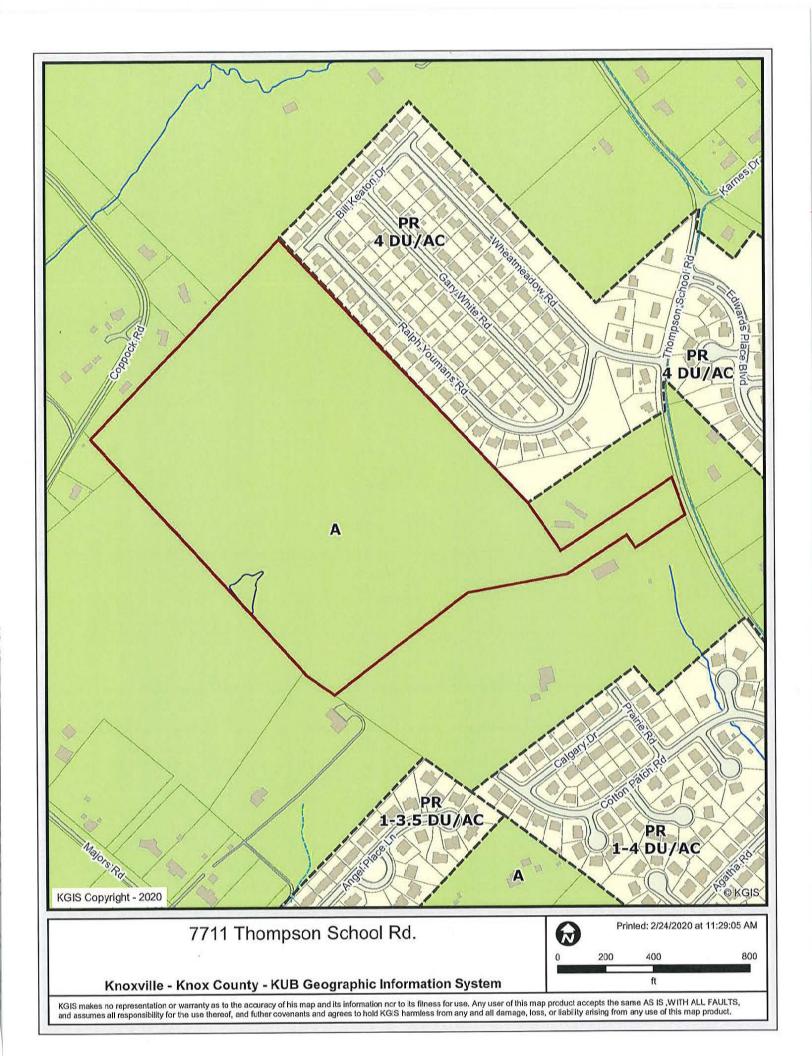
Water Provider

Septic (Y/N)

Existing Land Use

# **REQUEST**

DEVELOPMENT	■ Development Plan ■ Use on Review / Special Use ■ Residential □ Non-Residential					
OPI						
EVE						
D	Other (specify):					
N	Thompson Meadows  Proposed Subdivision Name		Unit / Phase Number			
ISIO	☐ Parcel Change	PI STORY				
SUBDIVISION	☐ Combine Parcels ☐ Divide Parcel Tot	al Number of Lots Created: 194				
S	Other (specify):					
	☐ Attachments / Additional Requirements					
	☐ Zoning Change:  Proposed Zoning		•			
SONING	Plan Amendment Change: Proposed Plan Designation(s)					
	☐ Proposed Property Use (specify) Pro ☐ Other (specify):	pposed Density (units/acre)	Previous Rezoning Requests			
	DIAT TYPE	FEE 1:	TOTAL:			
	PLAT TYPE  ☐ Administrative ☐ Meeting	0/20	1220 00			
ONLY	ATTACHMENTS	0109	0000,00			
SE 0	☐ Property Owners / Option Holders ☐ Variance Rec	uest FEE 2:				
STAFF USE	A DESTRUCTION AS DECLUDED ADDITION					
-	ADDITIONAL REQUIREMENTS					
1	☐ Design Plan Certification (Final Plat only)	FEE 3:				
STA	<ul><li>□ Design Plan Certification (Final Plat only)</li><li>□ Use on Review / Special Use (Concept Plan only)</li></ul>	FEE 3:	(310.00)			
ZI.	☐ Design Plan Certification (Final Plat only)	FEE 3:	6330.00			
	<ul> <li>□ Design Plan Certification (Final Plat only)</li> <li>□ Use on Review / Special Use (Concept Plan only)</li> <li>□ Traffic Impact Study</li> </ul>	FEE 3:	6330.00			
319	☐ Design Plan Certification (Final Plat only) ☐ Use on Review / Special Use (Concept Plan only) ☐ Traffic Impact Study  AUTHORIZATION					
	□ Design Plan Certification (Final Plat only) □ Use on Review / Special Use (Concept Plan only) □ Traffic Impact Study  AUTHORIZATION  Alerry Michely	S. Michieuzi	2-24-20			
	□ Design Plan Certification (Final Plat only) □ Use on Review / Special Use (Concept Plan only) □ Traffic Impact Study  AUTHORIZATION  Alexay Michigan					
	□ Design Plan Certification (Final Plat only) □ Use on Review / Special Use (Concept Plan only) □ Traffic Impact Study  AUTHORIZATION  Alerry Michely	S. Michieuzi	2-24-20			
	□ Design Plan Certification (Final Plat only) □ Use on Review / Special Use (Concept Plan only) □ Traffic Impact Study  AUTHORIZATION  Staff Signature Plea	S. Michieuzi	2-24-20			





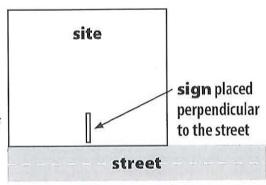
# REQUIRED SIGN POSTING AGREEMENT

For all rezoning, plan amendment, concept plan, use on review, right-of-way closure, and street name change applications, a sign must be posted on the subject property, consistent with the adopted Administrative Rules and Procedures.

At the time of application, staff will provide a sign(s) to post on the property as part of the application process. If the sign(s) go missing for any reason and need to be replaced, then the applicant will be responsible for picking up a new sign(s) from the Planning offices. The applicant will be charged a fee of \$10 for each replacement sign.

## LOCATION AND VISIBILITY

The sign must be posted in a location that is clearly visible from vehicles traveling in either direction on the nearest adjacent/frontage street. If the property has more than one street frontage, then 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 15 days before 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 15 days before the next Planning Commission meeting.

	post and remove the sign(s) he above guidelines and be		
3/25/2	and	4/18	)/20
(15 days before the Pla	nning Commission meeting)	(the day after t	the Planning Commission meeting)
Signature: Printed Name:	met Camples	ment.	5
Phone:	Email:		
Date:			
File Number:	4-D-20-UR	and	4-SB-20-C



### Tarren Barrett <tarren.barrett@knoxplanning.org>

## (no subject)

Tarren Barrett <tarren.barrett@knoxplanning.org> Draft

Tue, Feb 25, 2020 at 3:30 PM

Scott,

Per our new Transportation Impact Analysis Guidelines (Section 2.B.3.b), it states that all proposed phased developments without a previous TIA would be subjected to a new TIA regardless of adding onto an existing subdivision. The following are the options we have identified for you to proceed with this proposed development off Thompson School Rd.:

- 1. Keep the 194 lot subdivision off Bill Keaton Dr., add a connecting road from the parcel to Thompson School Rd., and a TIA is required with the application. This means that the current application is not complete until we have received the TIA no later than March 30th in order to be considered for the May 2020 Planning Commission meeting. This TIA would be for the proposed new development and the existing subdivision of Wheatmeadow.
- 2. Keep the 70 lot subdivision off Bill Keaton Dr., add a connecting road from the parcel to Thompson School Rd., and a TIS will NOT be required until the development application for the remaining portion of the subdivision is submitted. This TIA for the remaining portion would be for the proposed new development and the existing subdivision of Wheatmeadow. This means that the current application will need to be revised to show the access out to Thompson School Rd. before we can proceed with the review of the development. This will have to be received no later than noon on Thursday (27th) in order to be considered for the April 2020 Planning Commission meeting.
- 3. If a 70 lot subdivision exclusively off of Thompson School Rd. was to be submitted, then a TIA would not be required at this point. There would be a condition on the staff report that would ensure any further development would require a TIA of the entire subdivision. This will have to be received no later than noon on Thursday (27th) in order to be considered for the April 2020 Planning Commission meeting.

Tarren Barrett, P.E. Transportation Engineer 865-215-3826





Knoxville-Knox County Planning | Knoxville Regional TPO 400 Main Street, Suite 403 | Knoxville, TN 37902