



SUBDIVISION REPORT - CONCEPT

Planning
KNOXVILLE | KNOX COUNTY

► FILE #: 4-SB-19-C

AGENDA ITEM #:

7

AGENDA DATE: 5/9/2019

► SUBDIVISION: HIGHLAND RIDGE

► APPLICANT/DEVELOPER: TERRY ROMANS

OWNER(S): Gary Helton

TAX IDENTIFICATION: 150 017

[View map on KGIS](#)

JURISDICTION: County Commission District 9

STREET ADDRESS: 0 Highland View Dr

► LOCATION: North side of Highland View Drive, Northeast of Pickens Gap Road, West of Simpson Road

SECTOR PLAN: South County

GROWTH POLICY PLAN: Rural Area

WATERSHED: Hinds Creek & Stock Creek

► APPROXIMATE ACREAGE: 124 acres

► ZONING: PR (Planned Residential)

► EXISTING LAND USE: Vacant land

► PROPOSED USE: Detached Residential Subdivision

SURROUNDING LAND USE AND ZONING:
North: Vacant land and residences - A (Agricultural)
South: Residences and vacant land - A (Agricultural) & RA (Low Density Residential)
East: Residences - PR (Planned Residential) & A (Agricultural)
West: Vacant land and residences - A (Agricultural)

► NUMBER OF LOTS: 165

SURVEYOR/ENGINEER: Terry Romans Romans Land Surveying

ACCESSIBILITY: Access is via Highland View Dr., a minor collector street with a 19' pavement width within a 40' right-of-way.

► SUBDIVISION VARIANCES REQUIRED:

VARIANCES REQUIRING PLANNING COMMISSION APPROVAL:

1. Intersection property line corner radius variance on both sides of Road A at Highland View Dr., from 25' to 0'
2. Horizontal curve variance on Road A at STA 2+24.95, from 250' to 200'.
3. Horizontal curve variance on Road A at STA 3+57.30, from 250' to 200'.
4. Horizontal curve variance on Road B at STA 10+76.73, from 250' to 100'.
5. Vertical curve variance on Road A at STA 1+42, from K-25 to K=22
6. Vertical curve variance on Road C at STA 10+70, from K-25 to K=22.56
7. Maximum grade variance on Road A, from 12% to 15%.

8. Intersection grade variance on Road C at Road B, from 1% to 4%.
9. Intersection grade variance on Road D at Road A, from 1% to 4%.

APPROVED WAIVERS BY KNOX COUNTY ENGINEERING:

1. Reduction of pavement width down to a minimum of 22 feet when sidewalks are provided.

STAFF RECOMMENDATION:

- **APPROVE variances 1-9 because the site's existing access and topography restricts compliance with the Subdivision Regulations, and the proposed variances will not create a traffic hazard.**

APPROVE the Concept Plan subject to 14 conditions

1. Connection to sanitary sewer and meeting any other relevant requirements of the Knox County Health Department.
2. Provision of street names which are consistent with the Uniform Street Naming and Addressing System within Knox County (Ord 91-1-102).
3. Implementation of any recommended improvements identified in the Transportation Impact Study prepared by Ajax Engineering, dated February 25, 2019 and as approved by the Knox County Department of Engineering and Public Works and Planning staff.
4. Placing a note on the final plat that all structures will have to be located at least 50' from the top of the sinkholes (closed contour areas) identified on the plat. Building construction within the 50' setback may be permitted if a geotechnical study prepared by a registered engineer states that building within the 50' sinkhole buffer is acceptable and the study is approved by the Knox County Department of Engineering and Public Works. The geotechnical study must be completed prior to final plat approval for any lots that do not have a building area outside of the 50' setback area. A 5' drainage easement extending outside of the uppermost closed contour is required. Construction is not permitted within the hatched contour area of the sinkhole or the drainage easement. Engineered footings may be required for any structures within the 50' sinkhole buffer.
5. Meeting all applicable requirements and obtaining all required permits from the Tennessee Department of Environment and Conservation for any alteration to the sinkholes.
6. Revising the concept plan to provide a cul-de-sac turnaround at the western end of Road B (stub-out street to adjoining property) subject to approval of the Knox County Department of Engineering and Public Works.
7. The final plat shall include a notation that the western end of Road B is designed as a stub-out street that will extend into the adjoining property if it is developed as a subdivision. At a minimum the notation must be identified on the plat at the street ending.
8. Revising the concept plan to provide sidewalks on both sides of Road A for the entire length of the street, including street crossings; providing the sidewalk on Road B east of Road A on the south and east side (instead of the north and west side of the street east of Road C); and moving the sidewalk on Road C to the west side of the street.
9. Installation of sidewalks as identified on the revised concept plan. Sidewalks shall meet all applicable requirements of the Americans with Disabilities Act (ADA) and the Knox County Department of Engineering and Public Works. A bond shall be provided to the Knox County Department of Engineering and Public Works by the developer in an amount sufficient to guarantee the installation of the sidewalks.
10. Revising the street profiles so that no street grades will be less than a 1% slope.
11. Revising the intersection grade for Road C at Road B to a maximum grade of 4%.
12. Meeting all applicable requirements of the Knox County Department of Engineering and Public Works.
13. Prior to certification of the final plat for the subdivision, establishing a property owners association that will be responsible for maintenance of the private street at the northern end of Road A, common area, recreational amenities and drainage system.
14. Submitting to Planning staff prior to final plat review by the Planning Commission, the certification of design plan approval form as required by the Knoxville-Knox County Subdivision Regulations.

COMMENTS:

The Planning Commission had originally approved a concept plan for this site on October 11, 2007 for 119 lots at a density of 0.95 du/ac. That concept plan had included the proposal that all lots would be served by subsurface sewage disposal systems. Following a recommendation from the Knox County Health Department that the applicant consider extending sewer service to this site, the applicant requested a rezoning for the property to increase the maximum density for the property from 1 du/ac to 2 du/ac. On March 24, 2008, the Knox County Commission approved a density increase up to 1.47 du/ac for this property that is zoned PR (Planned Residential). The property was originally rezoned to PR (Planned Residential) at a density of 1 du/ac on April 25, 2005. Following the zoning change for the increased density, the applicant submitted a revised

concept plan for 169 lots at a density of 1.36 du/ac which was approved on December 11, 2008. The revised plan in most cases followed the previous street layout. While some of the infrastructure had been installed, the concept plan expired before a final plat was approved for the subdivision. The use on review application (11-J-08-UR) that was approved on December 11, 2008 for up to 169 detached residential units on individual lots is still valid for this proposed concept plan.

The applicant has now submitted a revised concept plan that subdivides this 124 acre tract into 165 lots at a density of 1.33 du/ac. The new proposed layout includes several changes from the previous layouts. The steeper northern portions of the site will have access from a private street. A total of nine lots are proposed in this area and range in size from 5.52 to 22.56 acres. Any future subdivision of those tracts will require a new use on review approval and an update of the traffic study.

Due to the number of lots in the proposed subdivision, a Transportation Impact Study was prepared by Ajax Engineering, dated February 25, 2019, and was submitted for review and approval by staff.

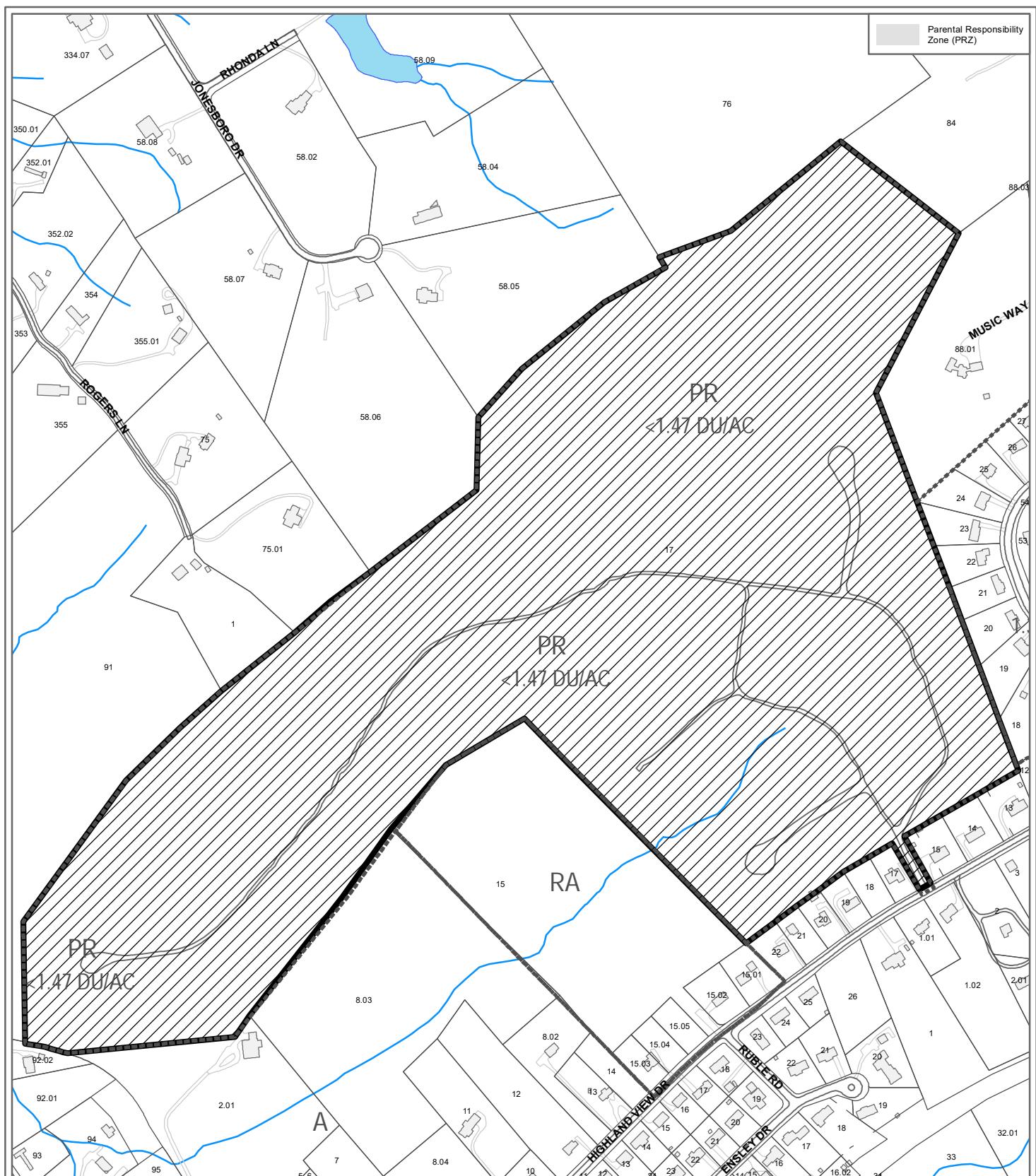
ESTIMATED TRAFFIC IMPACT: A traffic impact study was prepared by the applicant. The findings of that study were used in formulating the recommendations of this staff report.

ESTIMATED STUDENT YIELD: 55 (public school children, grades K-12)

Schools affected by this proposal: New Hopewell Elementary, South Doyle Middle, and South Doyle High.

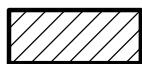
- Potential new school population is estimated using locally-derived data on public school student yield generated by new housing.
- Students are assigned to schools based on current attendance zones as determined by Knox County Schools. Students may request transfers to different zones, and zone boundaries 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.



**4-SB-19-C
CONCEPT PLAN**

Subdivision: Highland Ridge



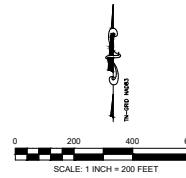
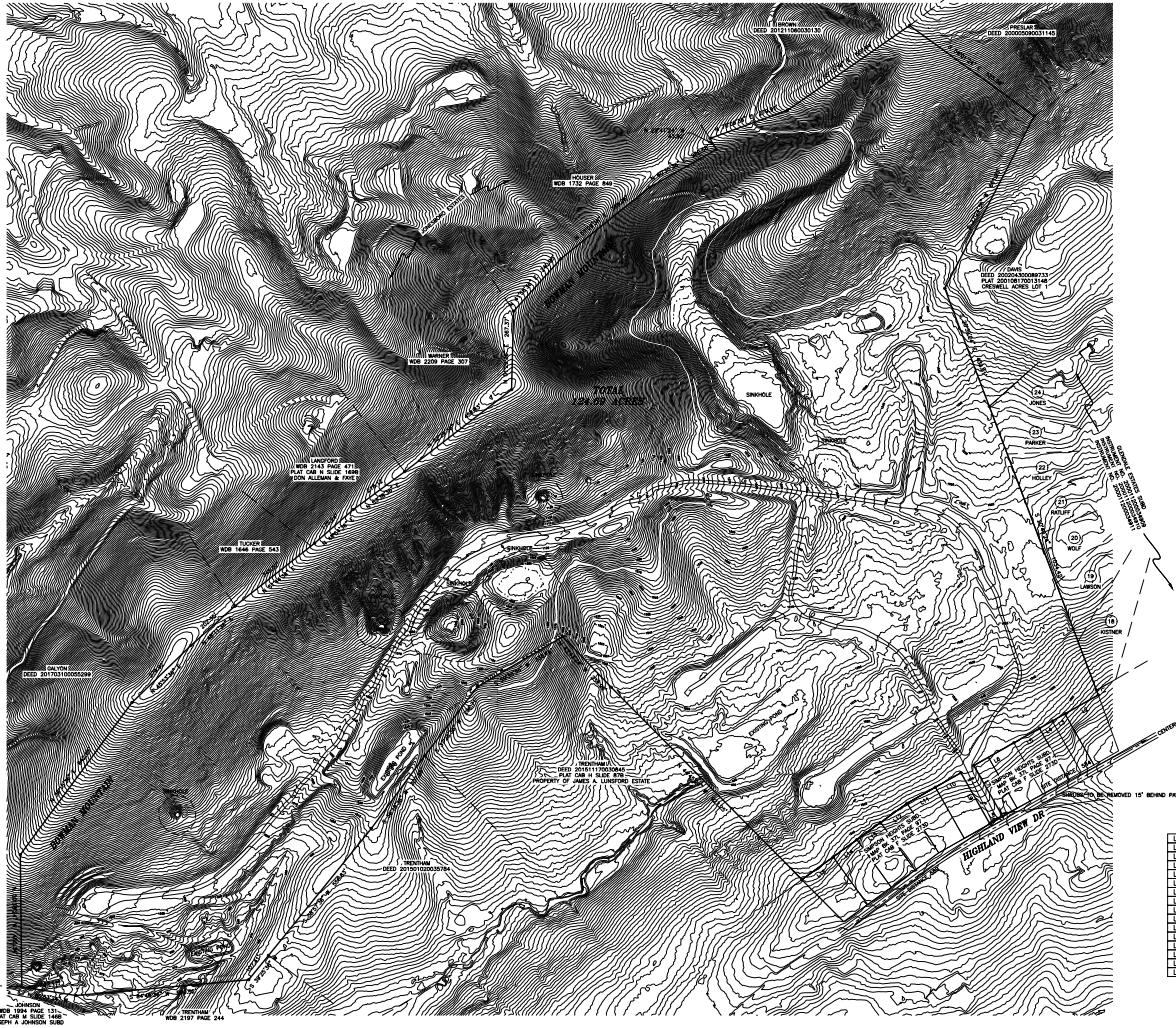
Approval of Concept Plan

Map No: 150
Jurisdiction: County

0 500
Feet

Original Print Date: 3/18/2019
Revised:
Metropolitan Planning Commission * City / County Building * Knoxville, TN 37902





NOTES

- PROPERTY OWNERS
JOSEPH A. JOHNSON SUB
P.O. BOX 5707
SEVENVILLE, TN 37864
- SURVEY REQUESTED BY:
JOSEPH A. JOHNSON SUB
(865)573-8871
- SURVEY REQUIRED FOR:
TO FURNISH A SUBDIVISION OF PARCEL 017.00.
- THIS IS TO CERTIFY THAT I HAVE EXAMINED THE FLOOD INSURANCE RATE MAP FOR KNOX COUNTY, TENNESSEE AND FOUND THAT THE PROPERTY LOCATED IN THIS PROPERTY IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA.
- 50' BUFFER FOR EXISTING SINKHOLES.
- TOTAL ACRES 124.69.

UTILITY INFORMATION
WATER SUPPLY BY KNOXCHAPMAN UTILITY DISTRICT.
SANITARY SEWER WILL BE A LOW PRESSURE SYSTEM FOR KNOX CHAPMAN UTILITY DISTRICT.
ELECTRIC - KNOXVILLE UTILITIES BOARD

LINE	BEARING	DISTANCE
L1	S 47°21'24" E	177.18'
L2	S 62°25'56" W	130.35'
L3	S 47°21'24" E	27'
L4	S 62°25'56" W	49.92'
L5	S 62°25'56" W	100.10'
L6	S 47°21'24" E	55'
L7	S 29°53'24" E	199.48'
L8	S 62°25'56" W	50.07'
L9	S 47°21'24" E	27'
L10	S 62°25'56" W	99.33'
L11	S 62°25'56" W	111.23'
L12	S 47°21'24" E	100.04'
L13	S 62°25'56" W	131.64'

Revised: 4/24/2019

MPC FILE NO. 4-SB-19 C

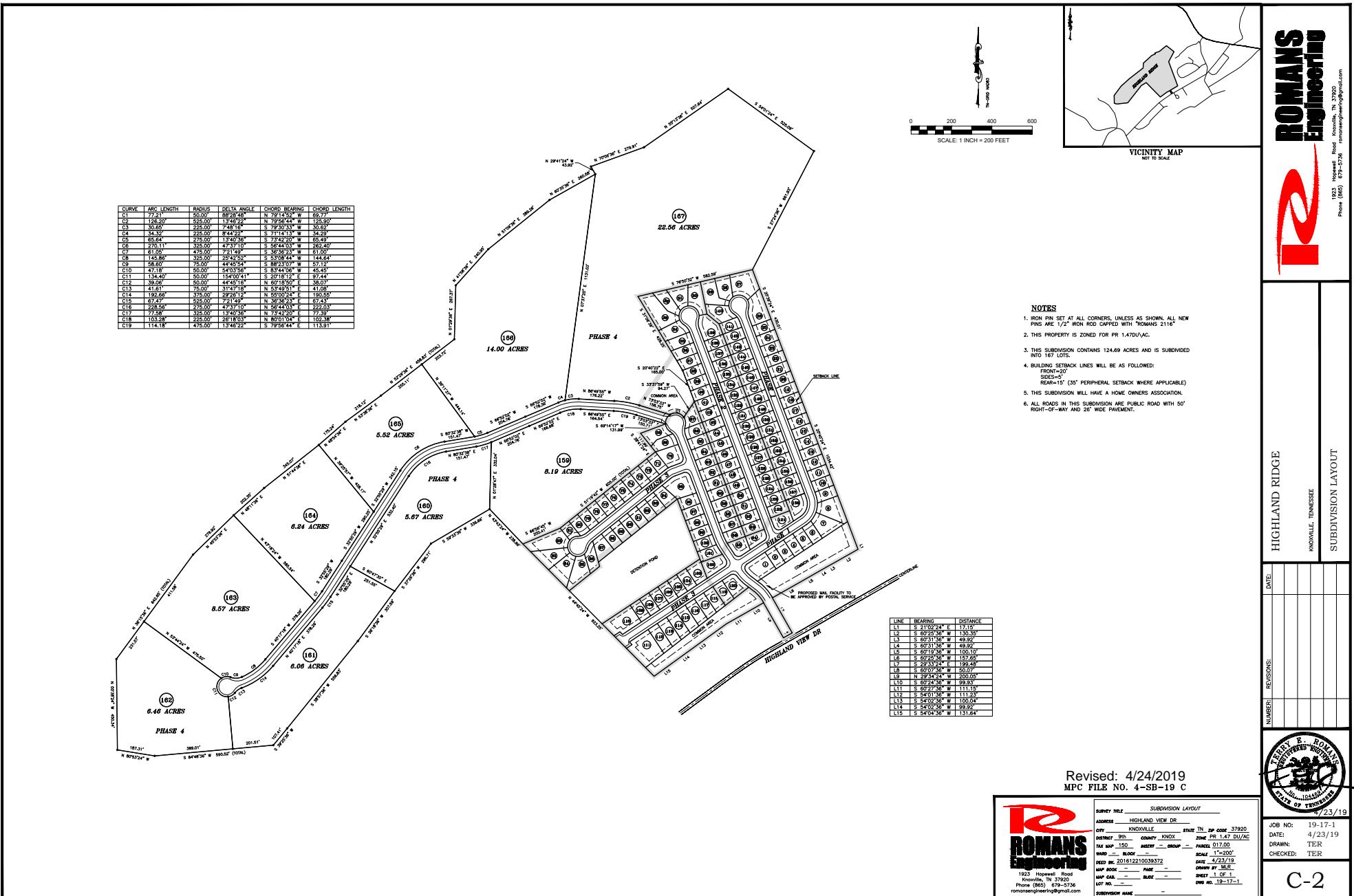


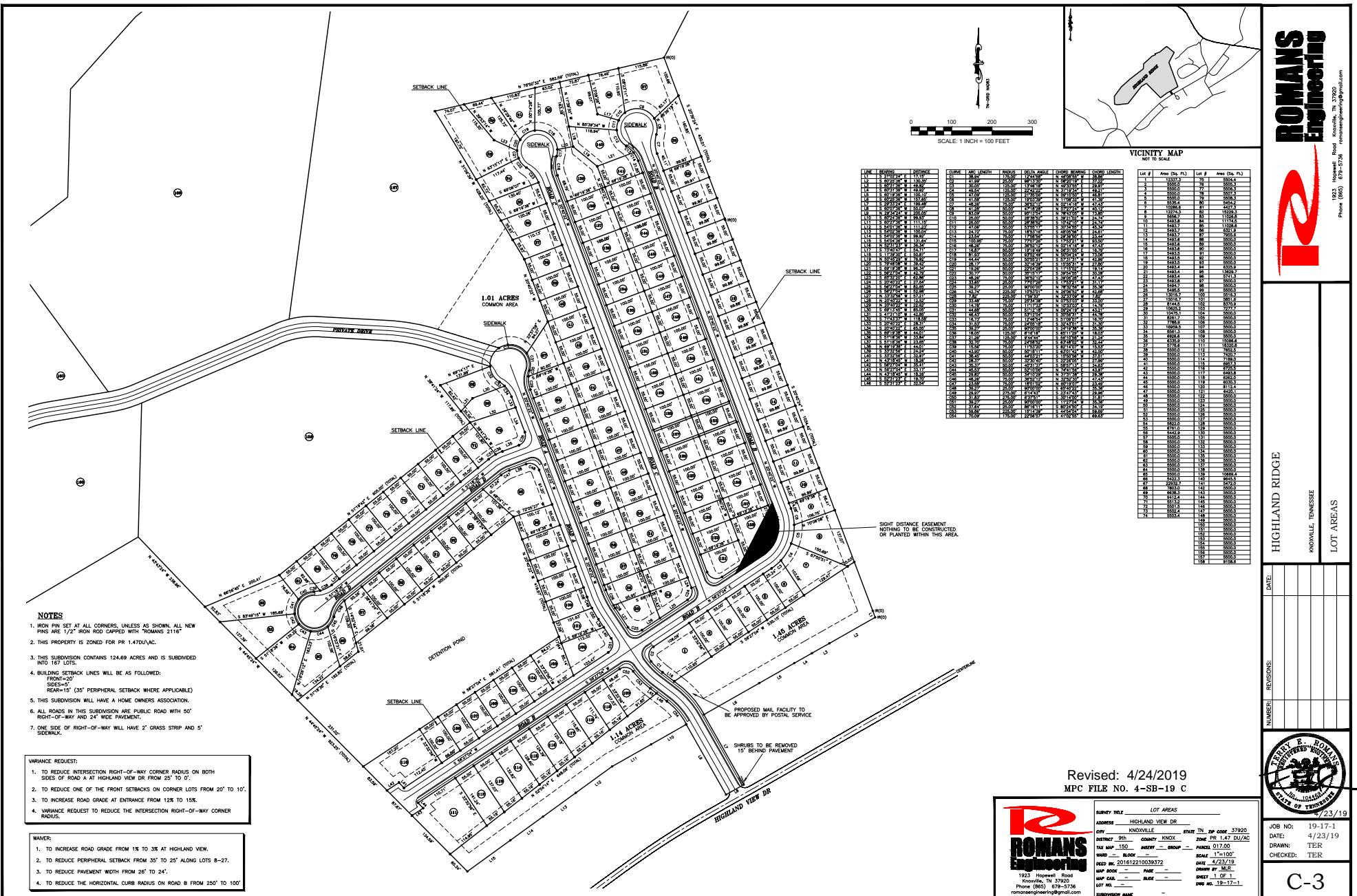
SURVEY RULE		CONCEPT PLAN	
ADDRESS		HIGHLAND VIEW DR	
CITY	KNOXVILLE	STATE	TN
ZIP	37900	ZONE	PR 1.47 DU/AC
DISTINCT ID#	150	ANNEP	-
COUNTY	KNOX	PARCEL	017.00
MAP	-	SCALE	1"=200'
LOT NO.	-	DATE	4/23/19
MAP CAR.	-	DRAWN	TER
LOT NO.	-	CHECKED	TER
SUBDIVISION NAME			

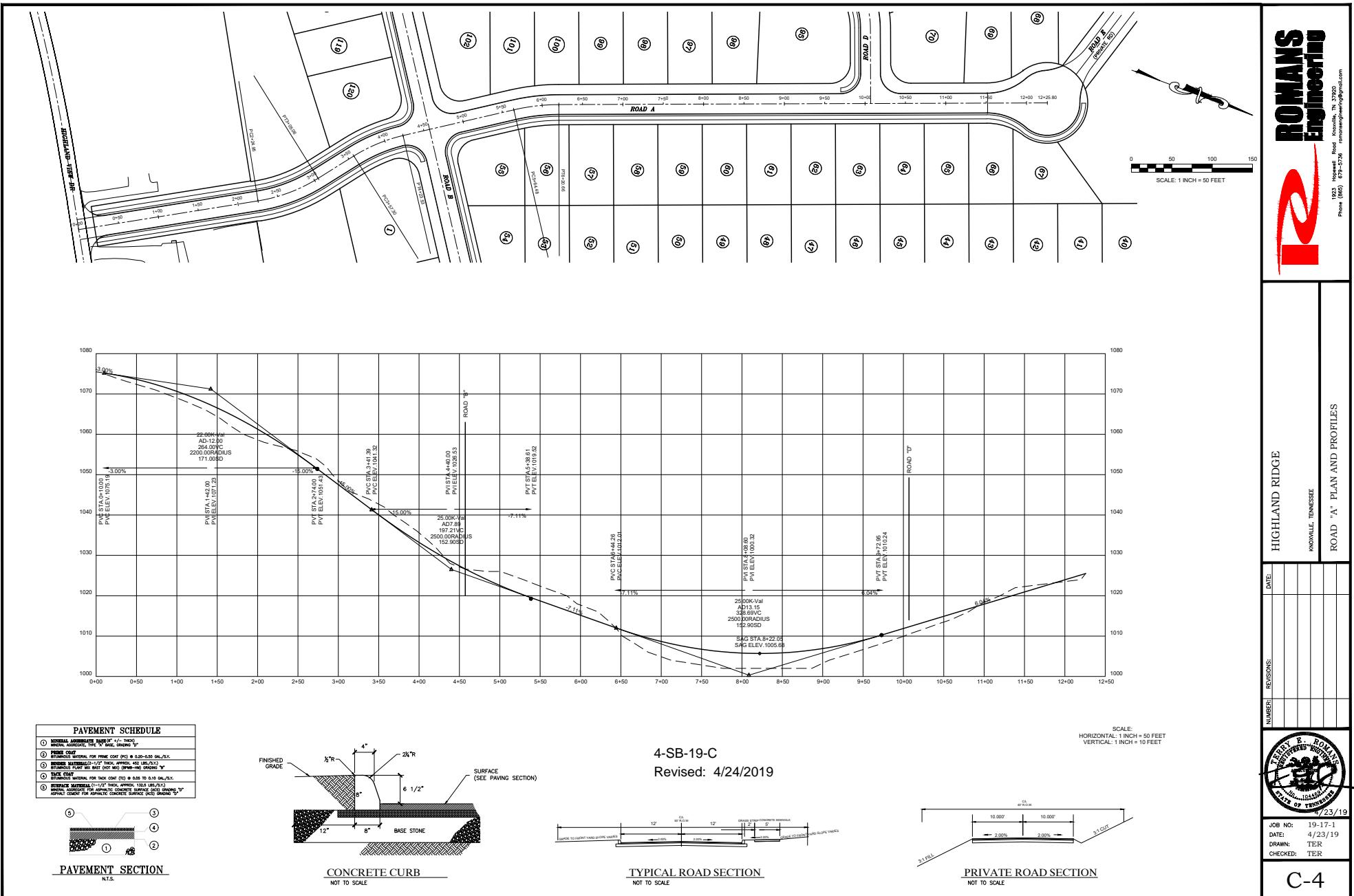
4/23/19

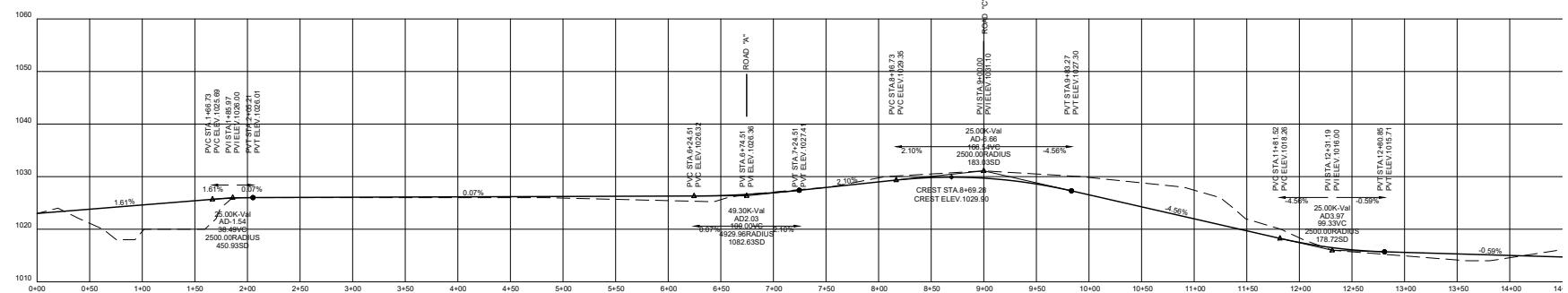
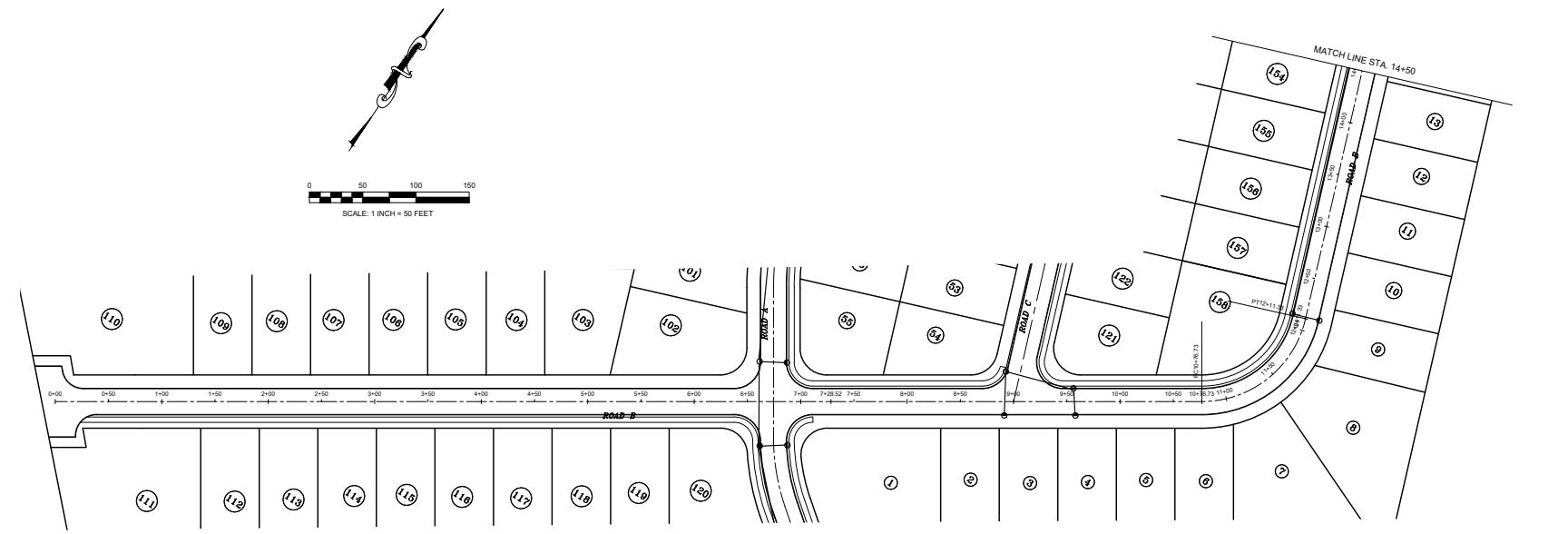


JOB NO:	19-17-1
DATE:	4/23/19
DRAWN:	TER
CHECKED:	TER
C-1	









4-SB-19-C
Revised: 4/24/2019

SCALE:
HORIZONTAL - 1 INCH = 50 FEET
VERTICAL - 1 INCH = 10 FEET

C-5

ROMANS
Engineering



Phone (865) 678-5726 romanesengineering@gmail.com

HIGHLAND RIDGE

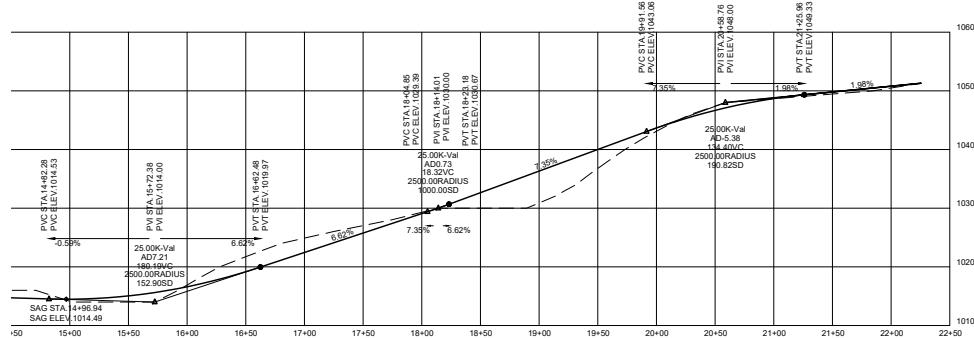
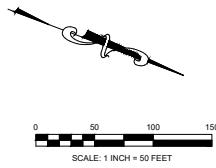
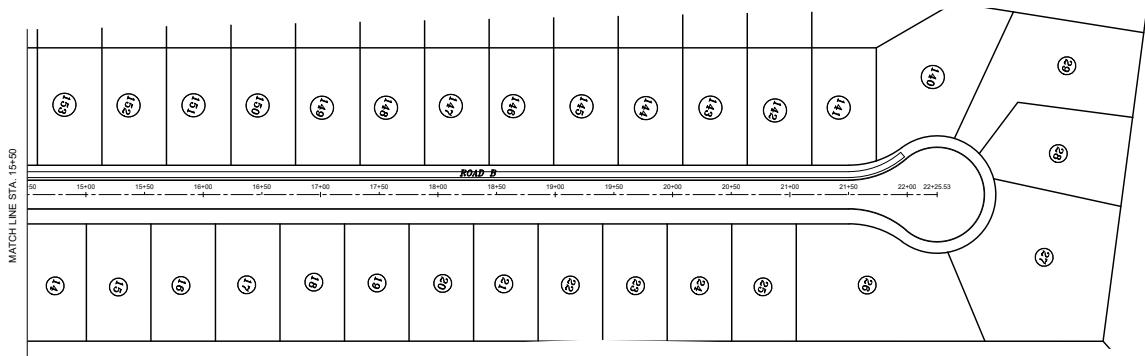
KNOXVILLE, TENNESSEE

ROAD "C" STA. 0+00 - 14+00 PLAN AND PROFILE



JOB NO: 19-17-1
DATE: 4/23/19
DRAWN: TER
CHECKED: TER

4/23/19



4-SB-19-C
Revised: 4/24/2019

SCALE:
HORIZONTAL: 1 INCH = 50 FEET
VERTICAL: 1 INCH = 10 FEET

C-6

ROMANS
Engineering



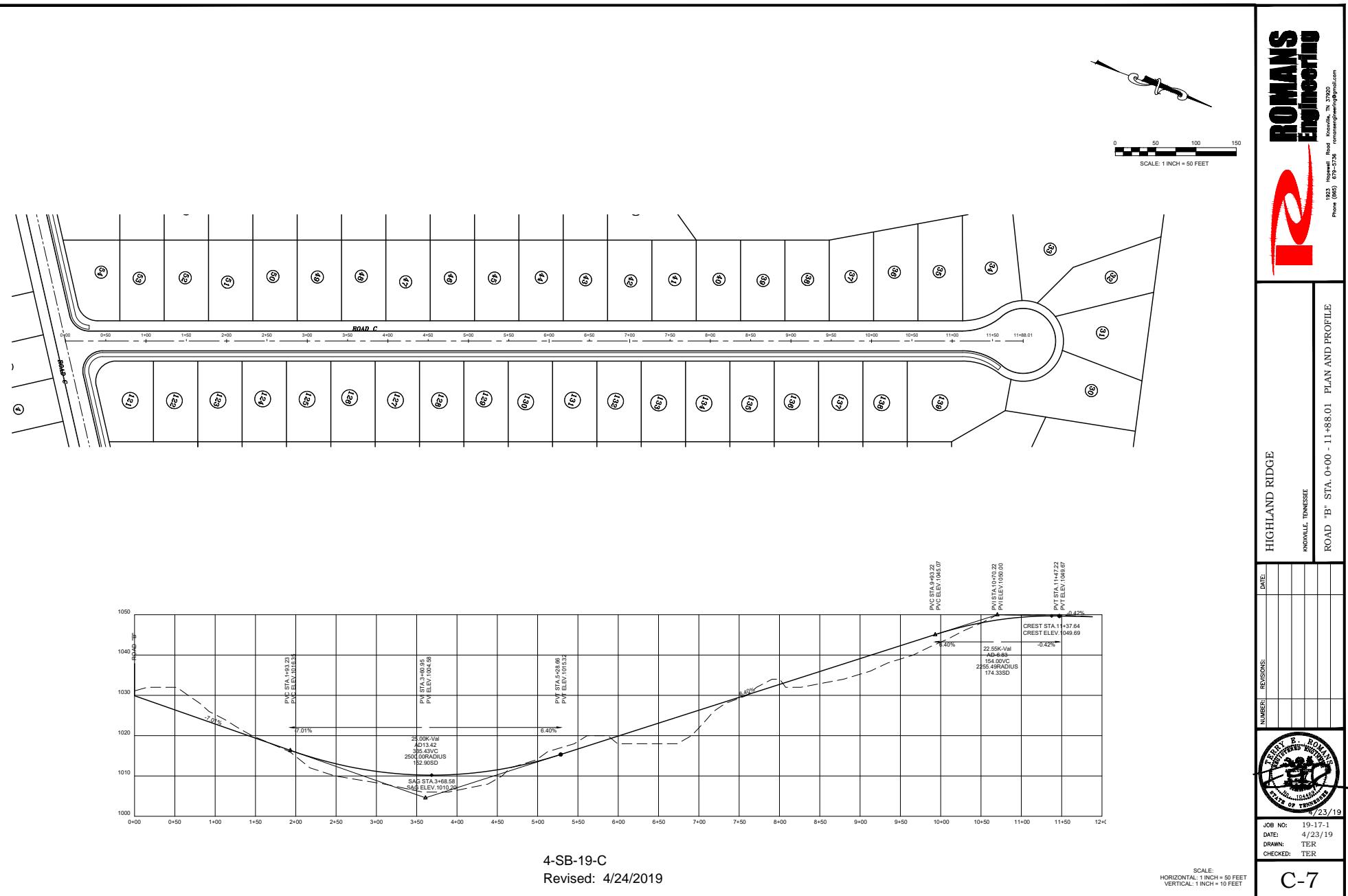
Phone (865) 678-5706 romansengineering@gmail.com

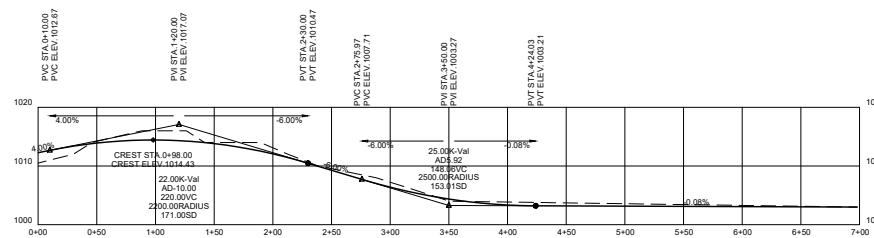
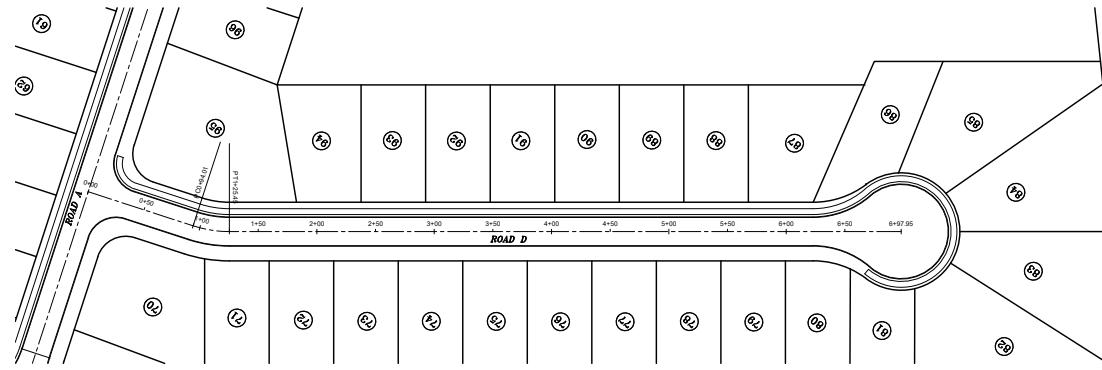
ROAD "B" STA. 1+40 - 22+25.53 PLAN AND PROFILE
KNOXVILLE, TENNESSEE

HIGHLAND RIDGE

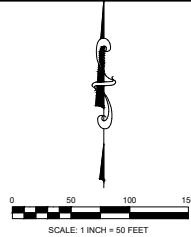


JOB NO: 19-17-1
DATE: 4/23/19
DRAWN: TER
CHECKED: TER





4-SB-19-C
Revised: 4/24/2019



ROMANS
Engineering



Phone (865) 678-5706 romansengineering@gmail.com

ROAD "D" STA. 0+00 - 6+97.95 PLAN AND PROFILE

KNOXVILLE, TENNESSEE

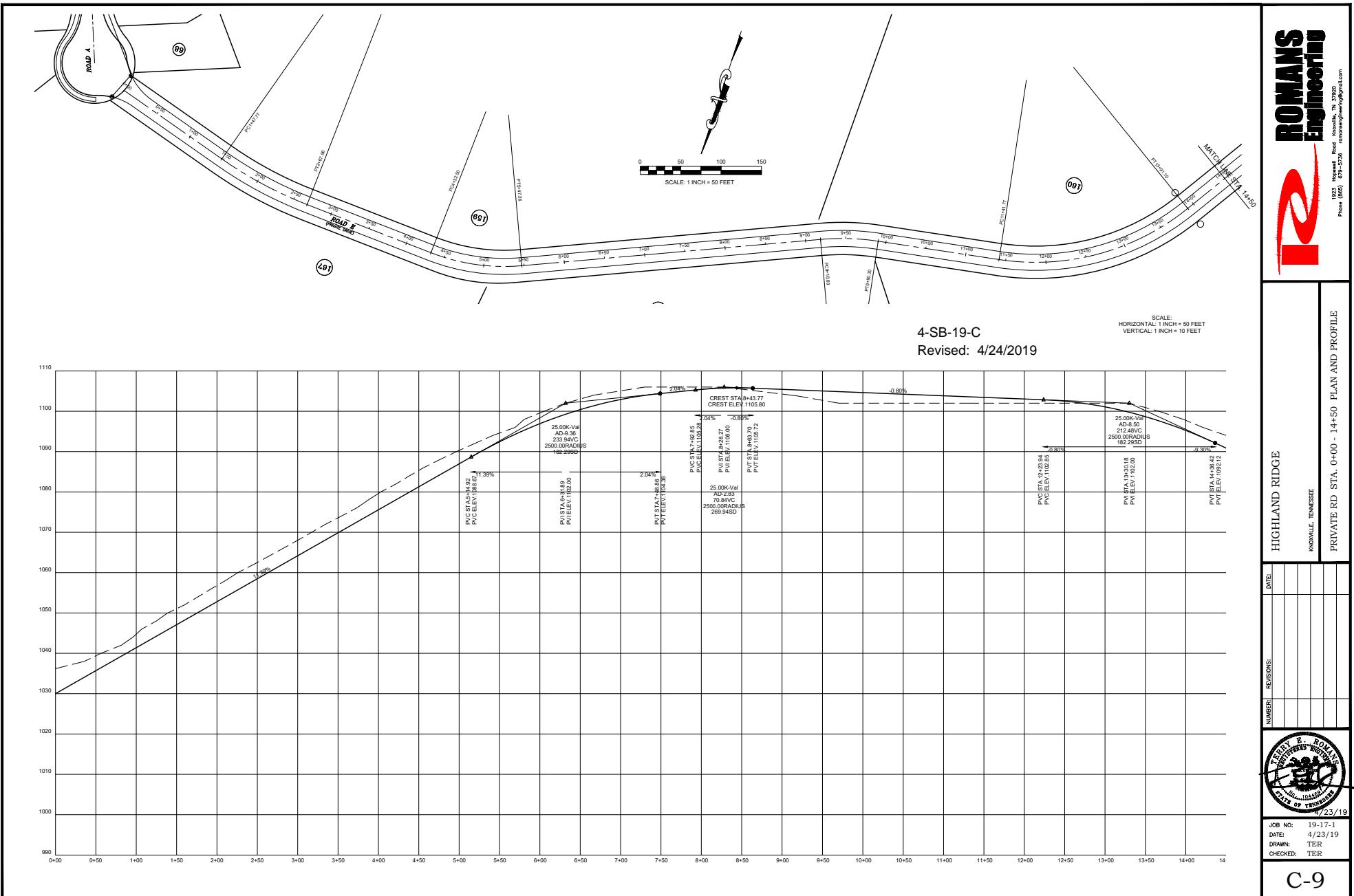
HIGHLAND RIDGE

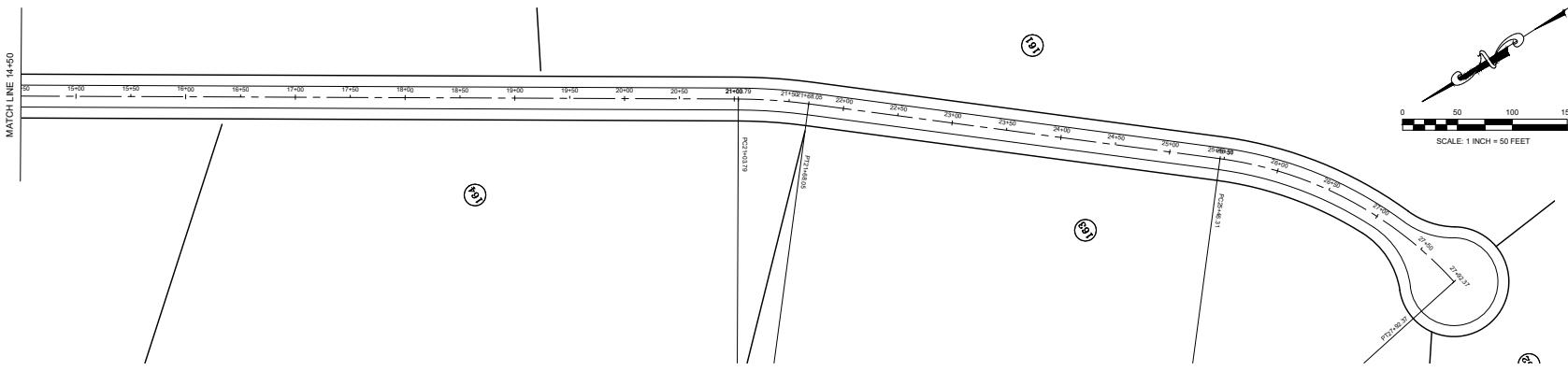


JOB NO: 19-17-1
DATE: 4/23/19
DRAWN: TER
CHECKED: TER

SCALE:
HORIZONTAL: 1 INCH = 50 FEET
VERTICAL: 1 INCH = 10 FEET

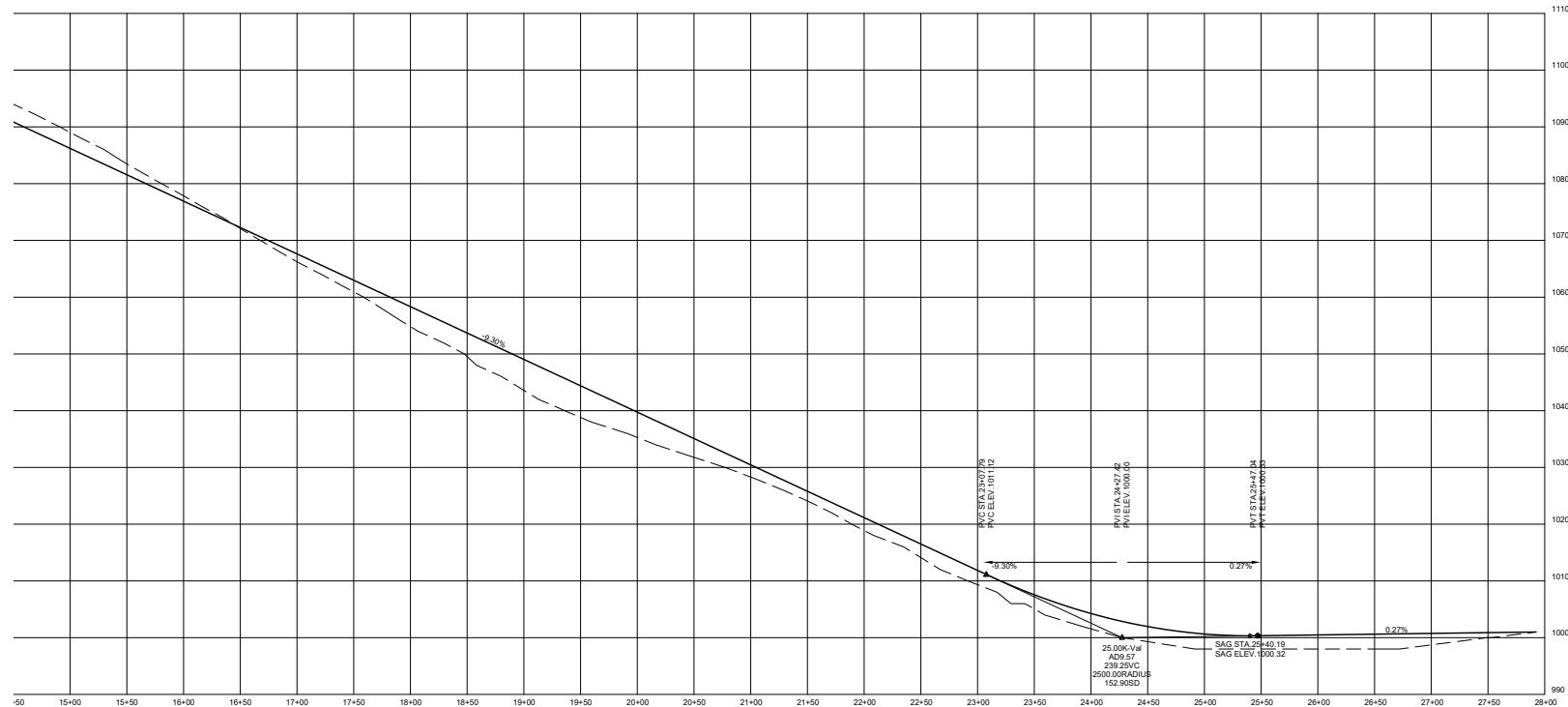
C-8





ROMANS
Engineering

123 Hopewell Road, Knoxville, TN 37920
Phone (865) 672-5726 romanes@grubmail.com



HIGHLAND RIDGE
KNOXVILLE, TENNESSEE

PRIVATE RD STA.14+50 - 27+92.37 PLAN AND PROFILE



4/23/19

JOB NO: 19-17-1
DATE: 4/23/19
DRAWN: TER
CHECKED: TER

C-10

SCALE:
HORIZONTAL: 1 INCH = 50 FEET
VERTICAL: 1 INCH = 10 FEET

4-SB-19-C_PP_4-11-19



Sherry Michienzi <sherry.michienzi@knoxplanning.org>

Fwd: Highland Ridge MPC File No. 4-SB-19 C

1 message

Tom Brechko <tom.brechko@knoxplanning.org>

To: Sherry Michienzi <sherry.michienzi@knoxplanning.org>, Dori Caron <dori.caron@knoxplanning.org>, Laura Edmonds <laura.edmonds@knoxplanning.org>

*automatic
30 days*

Mon, Apr 8, 2019 at 2:35 PM

FYI. For automatic postponement.

----- Forwarded message -----

From: **Terry Romans** <romansengineering@gmail.com>
 Date: Mon, Apr 8, 2019 at 9:06 AM
 Subject: Highland Ridge MPC File No. 4-SB-19 C
 To: Tom Brechko <tom.brechko@knoxmpc.org>



Tom,

We would like to postpone Highland Ridge (MPC File No. 4-SB-19-C) to the May 9th meeting.

When can we comments so we can start working on them.

Thank you

Terry E Romans

--
 Thomas Brechko, AICP
 Principle Planner
 865-215-3794



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

KNOXVILLE-KNOX COUNTY
M P C
 METROPOLITAN
 PLANNING
 COMMISSION
 TENNESSEE
 Suite 403 • City County Building
 400 Main Street
 Knoxville, Tennessee 37902
 865 • 215 • 2500
 FAX • 215 • 2068
 www.knoxmpc.org

SUBDIVISION - CONCEPT

Name of Applicant: Terry E. Romans

Date Filed: 2/25/19 Meeting Date: 4/11/19

Application Accepted by: Thomas Bachlo

Fee Amount: 5,450.00 File Number: Subdivision - Concept 4-SB-19-C

Fee Amount: _____ Related File Number: Development Plan _____

PROPERTY INFORMATION

Subdivision Name: HIGHLAND RIDGE

Unit/Phase Number:

General Location: 400 FEET SOUTHWEST
OF CHAPMAN HWY

Tract Size: 124. No. of Lots: 165

Zoning District: PR 1.47 DU/AC

Existing Land Use: WOODED VACANT LAND

Planning Sector: SOUTH COUNTY

Growth Policy Plan Designation: Rural

Census Tract: 56.02

Traffic Zone: 166

Parcel ID Number(s): 150 017

Jurisdiction: City Council _____ District _____

County Commission 9 District _____

AVAILABILITY OF UTILITIES

List utility districts proposed to serve this subdivision:

Sewer KNOX CHAPMAN

Water KNOX CHAPMAN

Electricity KUB

Gas —

Telephone AT&T

TRAFFIC IMPACT STUDY REQUIRED

No Yes

USE ON REVIEW

No Yes

Approval Requested:

Development Plans in Planned District or Zone

Other (be specific): CONCEPT RPN FOR

SUBDIVISION

(11-SD-08-C previous approval)

VARIANCE(S) REQUESTED

No Yes (If Yes, see reverse side of this form)

PROPERTY OWNER/OPTION HOLDER

PLEASE PRINT

Name: GARY HELTON / Barry Shuler

Company: _____

Address: P.O. Box 5707

City: SATERVILLES State: TN Zip: 37864

Telephone: 865 573 8872

Fax: _____

E-mail: _____

PROJECT SURVEYOR/ENGINEER

PLEASE PRINT

Name: TERRY ROMANS

Company: ROMANS ENGINEERING

Address: 1523 HARRISON RD

City: KNOXVILLE State: TN Zip: 37920

Telephone: 865-679-5736

Fax: _____

E-mail: romansengineering@gmail.com

APPLICATION CORRESPONDENCE

All correspondence relating to this application (including plat corrections) should be directed to:

PLEASE PRINT

Name: TERRY E ROMANS

Company: _____

Address: SPINE

City: _____ State: _____ Zip: _____

Telephone: _____

Fax: _____

E-mail: _____

VARIANCES REQUESTED

1. _____
Justify variance by indicating hardship: _____

2. _____
Justify variance by indicating hardship: _____

3. _____
Justify variance by indicating hardship: _____

4. _____
Justify variance by indicating hardship: _____

5. _____
Justify variance by indicating hardship: _____

6. _____
Justify variance by indicating hardship: _____

7. _____
Justify variance by indicating hardship: _____

APPLICATION AUTHORIZATION

I hereby certify that I am the authorized applicant, representing ALL property owners involved in this request or holders of option on same, as listed on this form. I further certify that any and all variances 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. I hereby waive the requirement for approval or disapproval of the plat within sixty (60) days after its submission, in accordance with the provisions of Tennessee Code Annotated 13-3-404.

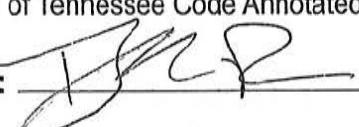
PLEASE PRINT

Name: Terry E Romans

Address: 1923 Hapewell Rd

City: Knoxville State: TN Zip: 37920

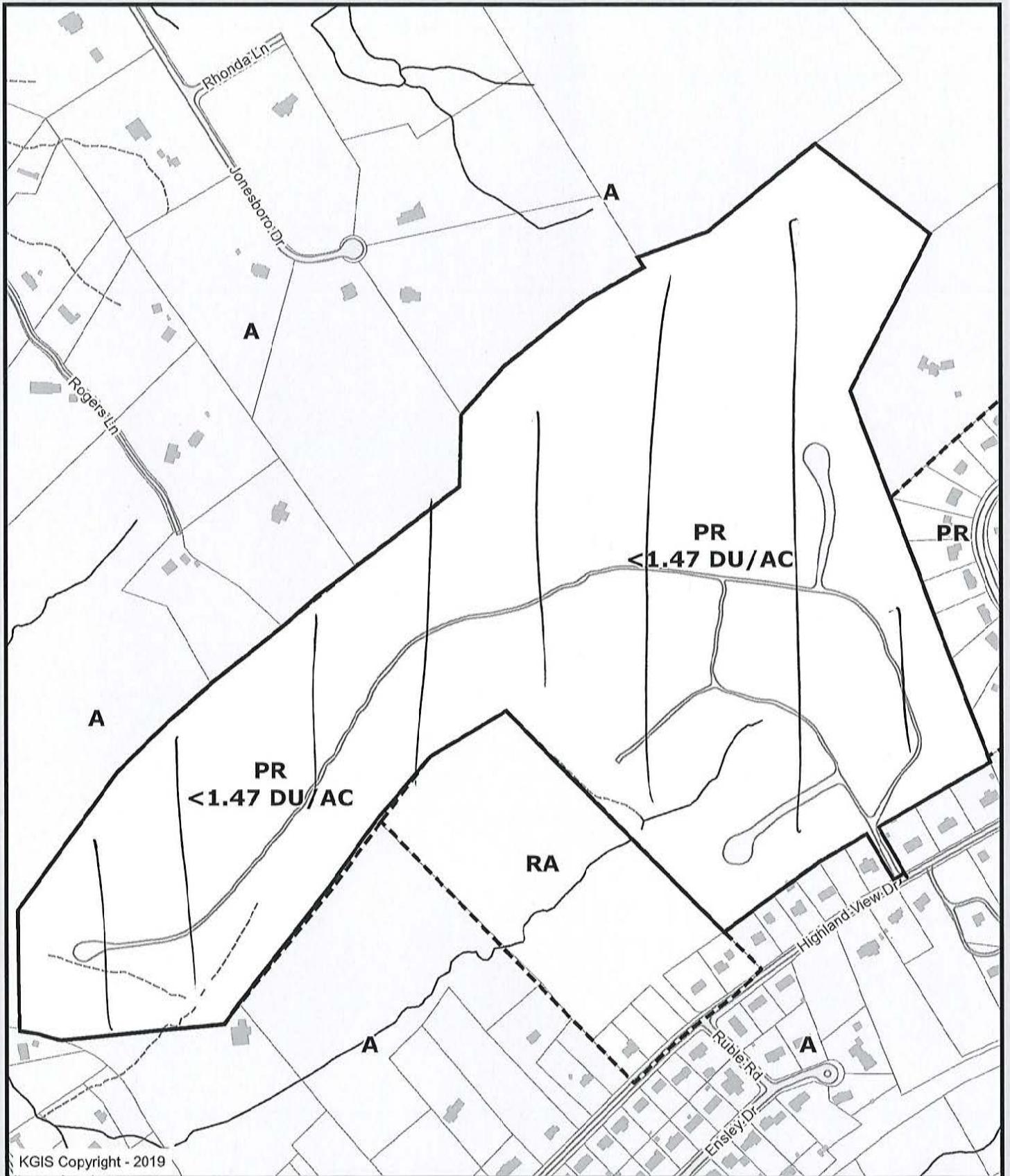
Telephone: 865-679-5736

Signature: 

Date: 2/25/19

Fax: _____

E-mail: romansengineering@gmail.com



KGIS Copyright - 2019

Letter Portrait

Knoxville - Knox County - KUB Geographic Information System



Printed: 2/25/2019 at 2:20:55 PM

0 250 500 1,000
ft

KGIS makes no representation or warranty as to the accuracy of his map and its information nor to its fitness for use. Any user of this map product accepts the same AS IS, WITH ALL FAULTS, and assumes all responsibility for the use thereof, and further covenants and agrees to hold KGIS harmless from any and all damage, loss, or liability arising from any use of this map product.

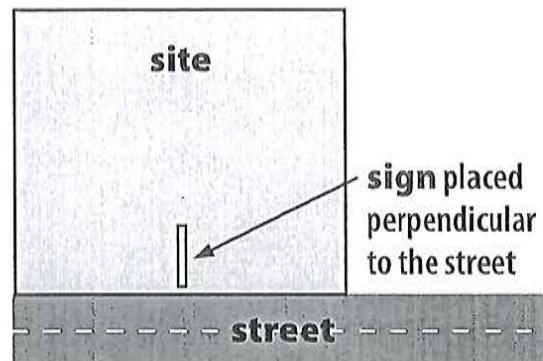
REQUIRED SIGN POSTING AGREEMENT

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 MPC Administrative Rules and Procedures.

At the time of application, MPC 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 MPC 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. MPC 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 MPC 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 MPC meeting.

I hereby agree to post and remove the sign(s) provided on the subject property consistent with the above guidelines and between the dates of:

March 27, 2019 and April 12, 2019

(15 days before the MPC meeting)

(the day after the MPC meeting)

Signature: 

Printed Name: Matthew Rosa

Phone: 865-679-5736 Email: RomanceEngineering@gmail.com

Date: 2/25/19

MPC File Number: 4-SB-19-C