

THIS PLAT REPRESENTS A TRACT OF LAND DESCRIBED AS FOLLOWS:

THE WEST 158.0 FEET OF THE SOUTH 1/2 OF THE EAST 1/3 AND THE SOUTH 1/2 OF EAST 1/2 OF THE WEST 2/3 OF BLOCK 29 WEST LAWRENCE, ALSO BEGINNING AT THE SOUTH WEST CORNER OF SAID BLOCK 29 THENCE NORTH 100 FEET THENCE EAST 300 FEET THENCE SOUTH 100 FEET THENCE WEST 300 FEET TO POINT OF BEGINNING.

KNOW ALL MEN BY THESE PRESENTS THAT WE THE UNDERSIGNED, OWNERS OF THE ABOVE DESCRIBED TRACT, HAVE CAUSED THE SAME TO BE SURVEYED, PINNED AND PLATTED UNDER THE NAME OF GRANDVIEW HEIGHTS AND HAVE CAUSED THE SAME TO BE SUBDIVIDED INTO LOTS AND PUBLIC STREETS INCLUDED IN AND SHOWN BY THE PLAT AND FULLY DEFINED IN THIS PLAT, AND ARE HEREBY DEDICATED FOR PUBLIC USE AS INDICATED.

THE RIGHT IS RESERVED TO CONSTRUCT AND MAINTAIN UNDERGROUND UTILITIES AND POLES FOR ELECTRIC LIGHTING AND TELEPHONE IN AND ON THE EASEMENT SPACE PROVIDED AS SHOWN ON THIS PLAT.

THE LAND AND LOTS SHOWN ON THIS PLAT SHALL BE HELD AND CONVEYED SUBJECT TO THE RESTRICTIONS, RESERVATIONS AND PROTECTIVE COVENANTS SET FORTH IN A SEPARATE DOCUMENT EXECUTED AND FILED FOR RECORD IN THE OFFICE OF THE REGISTER OF DEEDS OF DOUGLAS COUNTY, KANSAS, WHICH SAID RESTRICTION, RESERVATION, AND PROTECTIVE COVENANTS SHALL BE COVENANTS RUNNING WITH THE LAND AND SHALL BE A PART OF AND A COVENANT IN EACH CONVEYANCE THEREOF.

IN WITNESS WHEREOF, WE THE UNDERSIGNED OWNERS HAVE CAUSED THIS INSTRUMENT TO BE EXECUTED AS OF THE 15 DAY OF October 1956.

Ruby Alexander
RUBY ALEXANDER

Edward E. Alexander
EDWARD E. ALEXANDER

STATE OF KANSAS ☒ S.S.
DOUGLAS COUNTY
BE IT REMEMBERED THAT ON THIS 15 DAY OF October 1956 BEFORE ME A NOTARY PUBLIC IN AND FOR SAID COUNTY AND STATE, CAME EDWARD E. ALEXANDER AND RUBY ALEXANDER, HUSBAND AND WIFE, TO ME PERSONALLY KNOWN TO BE THE SAME PERSONS WHO EXECUTED THE FOREGOING INSTRUMENT, AND DULY ACKNOWLEDGED THE EXECUTION OF THE SAME.

MY COMMISSION EXPIRES May 29 1958 *Mary K. Lipton*
NOTARY PUBLIC

NO
L
N
State of Kansas, Douglas County, ss.
I, *Harold A. Lick*, Clerk
By *Harold A. Lick* Deputy

STATE OF KANSAS ☒ S.S.
DOUGLAS COUNTY
THIS IS TO CERTIFY THAT I, L.D. RICE, COUNTY SURVEYOR IN AND FOR SAID COUNTY AND STATE HAVE CHECKED THE PLAT HEREON SHOWN AND I HEREBY APPROVE IT FOR FILING IN THE COUNTY RECORDS.
Oct. 15, 1956 *L.D. Rice*
DATE COUNTY SURVEYOR - L.D. RICE

I HEREBY CERTIFY THAT THE PLATTED AREA AS SHOWN HEREON REPRESENTS ALL BOUNDARIES AND ACCURATELY GIVES ALL LOT DIMENSIONS AS DETERMINED AND MARKED BY FIELD SURVEY.
Sept. 17, 1956 *L.D. Rice*
DATE LICENSED ENGINEER - L.D. RICE

THE PLANNING BOARD OF THE CITY OF LAWRENCE AT ITS MEETING ON THE 16 DAY OF October 1956 HAS EXAMINED THIS PLAT TO BE KNOWN AS GRANDVIEW HEIGHTS AND HAS APPROVED IT FOR FILING IN THE COUNTY RECORDS.
E. F. Smallberg
CHAIRMAN - E. F. SMALLBERG

THE CITY COMMISSION OF THE CITY OF LAWRENCE AT ITS MEETING ON THE 23 DAY OF October 1956 HAS EXAMINED THIS PLAT TO BE KNOWN AS GRANDVIEW HEIGHTS AND HAS APPROVED IT FOR FILING IN THE COUNTY RECORDS.
J. P. Crown
MAYOR - J. P. CROWN
J. H. Wigglesworth
CITY MANAGER - J. H. WIGGLESWORTH

GRANDVIEW HEIGHTS
— SUB DIVISION —
LAWRENCE • KANSAS
SCALE 1" = 40'

GRANDVIEW HEIGHTS



March 31, 2009

Shoeb Uddin
City of Lawrence, City Hall
6 E. 6th Street
P.O. Box 708
Lawrence, Kansas 66044-0708

suddin@ci.lawrence.ks.us

**Re: Sight Distance Study for Proposed Driveway
John Chaney Property on W. 5th Street**

Dear Shoeb:

Per our previous phone conversation, we are submitting a sight distance study for John Chaney. As we discussed, he is proposing to construct a new driveway at his property on W. 5th Street in Lawrence, as shown on the enclosed Sight Distance Exhibit.

Taylor Design Group, P.A. (TDG) completed a survey of the area to determine the road centerline profile and the existing topography in the area. The Sight Distance Exhibit contains the calculations and information related to the sight distance triangles for this study, which are based on the applicable AASHTO guidelines.

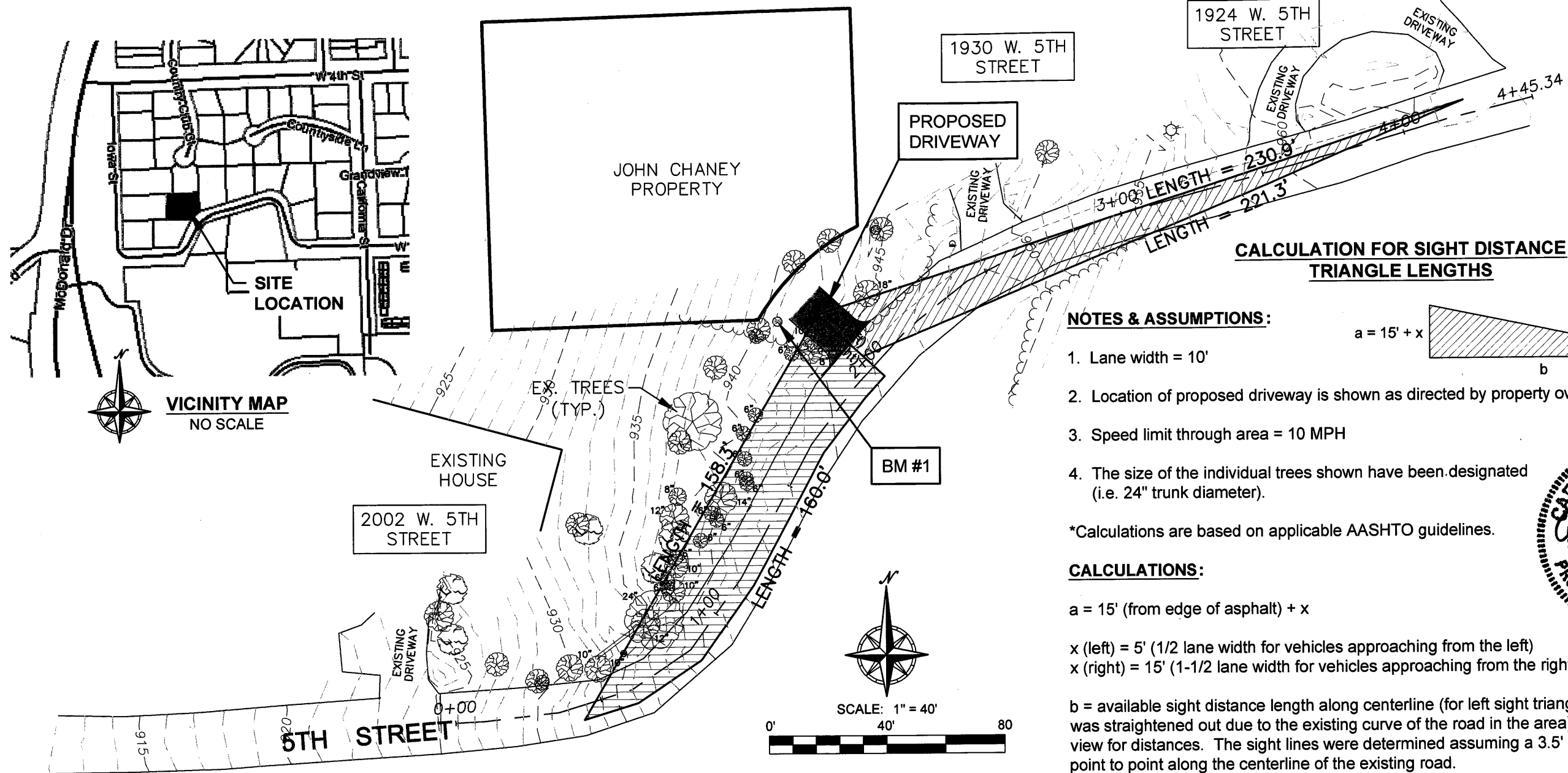
This study indicates that the controlling sight distance is that of the road profile. The available sight distance left of the driveway is approximately 225', and to the right of the driveway is approximately 160'. The corresponding sight triangles have been shown on the exhibit. Most of the obstacles contained within the sight triangles are trees, which appear to be located within the road right-of-way, although TDG did not verify the right-of-way location in the area as part of this study.

Please review the exhibit, and contact me should there be any questions, or if you need additional information.

Respectfully Submitted,

Cara C. Hendricks, P.E.
Project Manager

pc: John Chaney



CALCULATION FOR SIGHT DISTANCE TRIANGLE LENGTHS

NOTES & ASSUMPTIONS:

1. Lane width = 10'
2. Location of proposed driveway is shown as directed by property owner.
3. Speed limit through area = 10 MPH
4. The size of the individual trees shown have been designated (i.e. 24" trunk diameter).

*Calculations are based on applicable AASHTO guidelines.

CALCULATIONS:

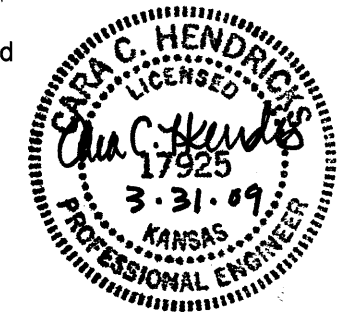
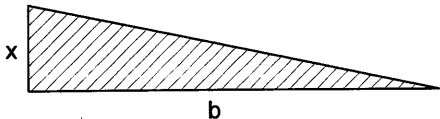
$a = 15'$ (from edge of asphalt) + x

x (left) = 5' (1/2 lane width for vehicles approaching from the left)

x (right) = 15' (1-1/2 lane width for vehicles approaching from the right)

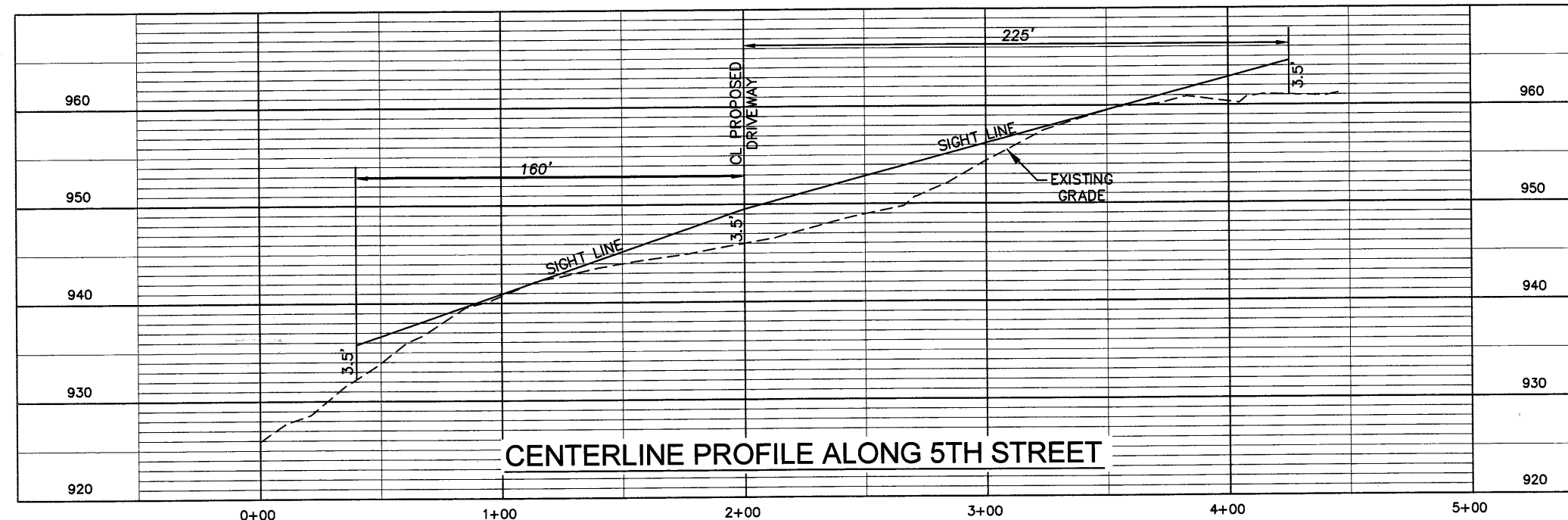
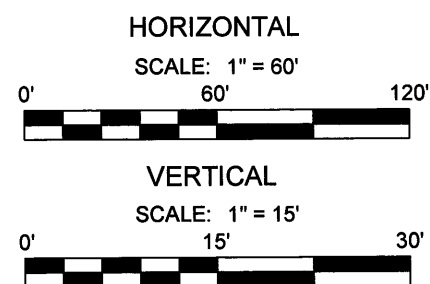
b = available sight distance length along centerline (for left sight triangle, the leg was straightened out due to the existing curve of the road in the area) - see profile view for distances. The sight lines were determined assuming a 3.5' high line from point to point along the centerline of the existing road.

$$a = 15' + x$$



BENCHMARK INFORMATION:

BM #1 - TOP OF MANHOLE RIM
ELEV. = 941.23



CENTERLINE PROFILE ALONG 5TH STREET

BY:	CCH
REVISIONS:	INITIAL SUBMITTAL
DATE	3/31/09
NO.	A

SIGHT DISTANCE EXHIBIT
JOHN CHANEY PROPERTY
LAWRENCE, KANSAS



Taylor Design Group, P.A.
Surveyors • Engineers
1220 East Logan • Ottawa, KS 66067
785-242-8845 • Fax: 785-242-8852

DRAWN:	CCH
DESIGNED:	CCH
CHECKED:	CAS
DATE:	3/31/09
PROJECT:	17356
SHEET NO.	1

Comparison of slope, design and driveway locations between 5th Street and Morning Dove Circle.

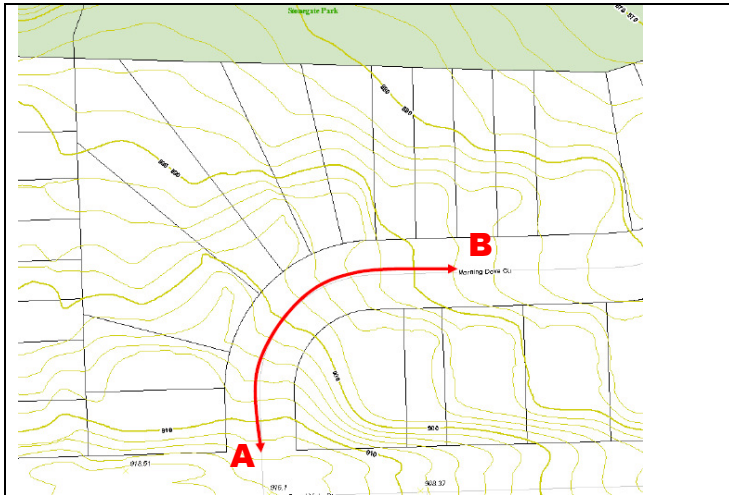


Figure 1. Elevation change and design of Morning Dove Circle.



Figure 2. Driveways along Morning Dove Circle.

Morning Dove Circle Point A to B

Approximately 287 ft distance [run]

Elevation change from 888 ft to 914 ft; 26 ft [rise]

% slope = rise/runx100; $26 / 287 = .0905 \times 100 = \mathbf{9.05\%}$

Number of driveways: 7 drives; 5 shared and 2 single



Figure 3. 5th Street contours and driveways near subject property

5th Street; Point A to B

Approximately 385 ft distance [run]

Elevation change from 961 ft to 932 ft; 29 ft [rise]

% slope = rise/runx100; $29 / 385 = .0905 \times 100 = \mathbf{7.5\%}$

Number of driveways: 5 drives: 4 existing and 1 proposed