



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.

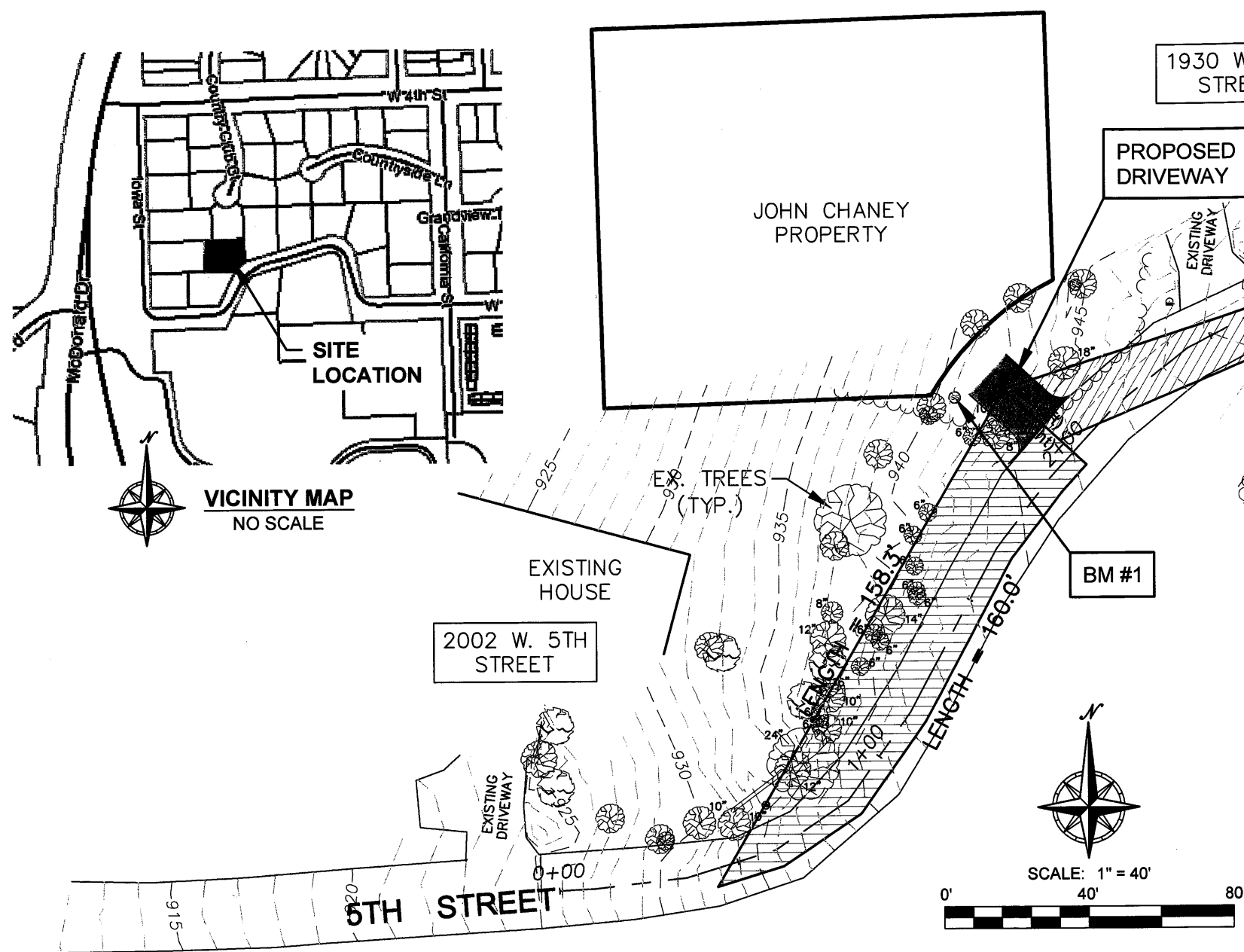
This study indicates that the controlling sight distance is that of the road profile. The available sight distance left of the driveway is approximately 225', and to the right of the driveway is approximately 160'. The corresponding sight triangles have been shown on the exhibit. Most of the obstacles 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,

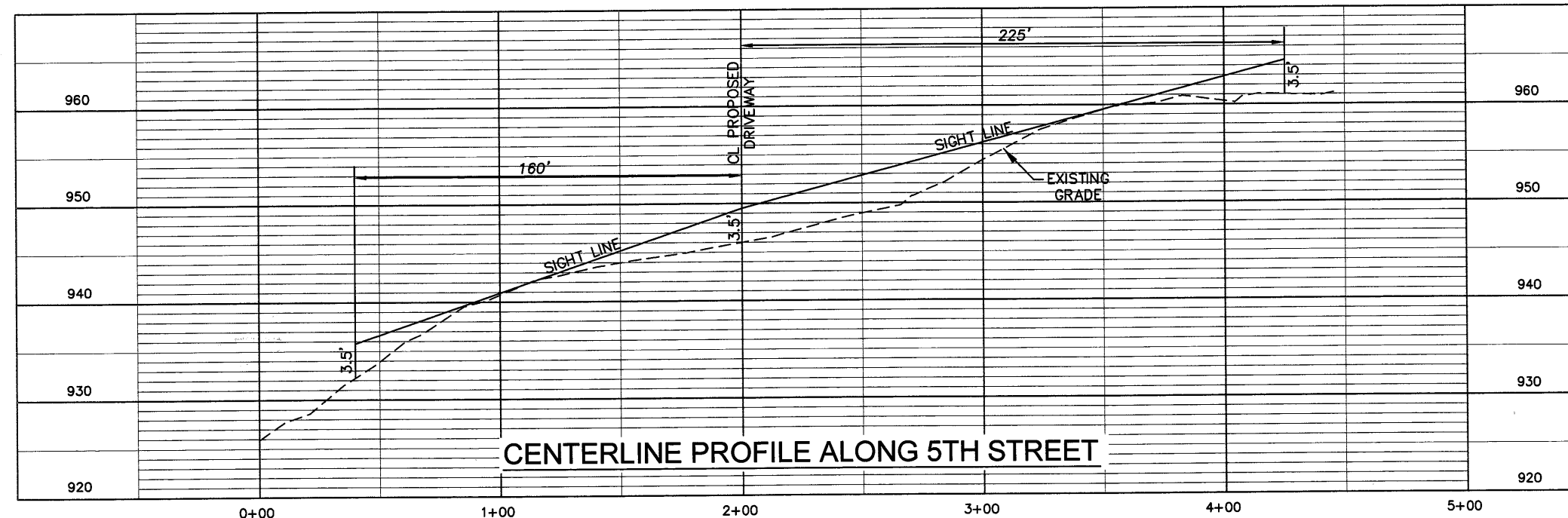
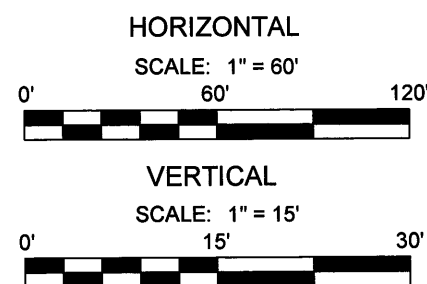
Cara C. Hendricks, P.E.
Project Manager

pc: John Chaney



BENCHMARK INFORMATION:

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



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:

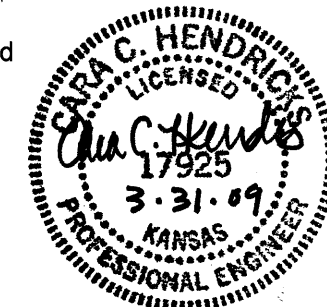
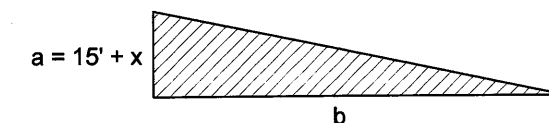
$a = 15'$ (from edge of asphalt) + x

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)

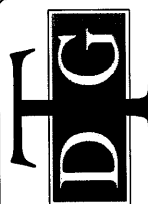
b = available sight distance length along centerline (for left sight triangle, the leg was straightened out due to the existing curve of the road in the area) - see profile view for distances. The sight lines were determined assuming a 3.5' high line from point to point along the centerline of the existing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

CALCULATION FOR SIGHT DISTANCE TRIANGLE LENGTHS



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

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
OF 1 SHEET