

## Engineering Study Control Device: Stop Signs in Carter Landing

Roadway / Intersection: Intersection of Beverly Ln with CR 171, Balboa PI with CR 171, and Beverly Ln with Balboa PI

Location / Extent: East of Celina in Carter Landing (see exhibit "A")

Existing Traffic Control: None

Roadway Width/ Surface Type: 25-feet (Concrete)

Adjoining Land Development: Residential

Visibility: Good

Accident History: None have been reported to Public Works Department

Traffic Counts: None taken for this study as these roads lie within a residential subdivision.

Warrant for Stop Sign: A Stop sign is warranted by Section 2B.04, P3, Article A of the 2011 Texas Manual on Uniform Traffic Control Devices.

Other Factors: None

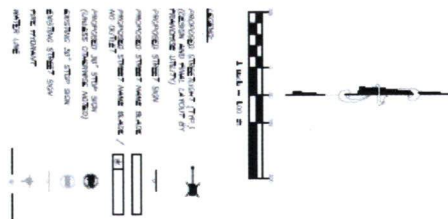
Recommendation: It is recommended that Stop Signs be placed on Beverly Ln with CR 171, Balboa PI with CR 171, and Beverly Ln with Balboa PI as shown on the attached "Exhibit A".

Date: April 17, 2019

Engineer: Mark Hines, P.E.



*Mark F. Hines*  
*4/23/19*



STREET LIGHT AND SIGN PLAN  
COLLIN COUNTY, TEXAS

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05/09/2009

PROJECT NUMBER	100-100000
DATE	10/1/80
BY	J. J. J.
REVISION	1

DATE	09/09
TIME	09:09

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DATE	2009
TIME	12:00

## THE SQUARE STREET LIGHT

AND JOHN F. LEE

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0078-0183(2017)0004-0000

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# Engineering Study

## Control Device: Stop Sign CR 456

Roadway / Intersection:

Intersection of CR 456 (west) with CR 490 (north and south)

Location / Extent:

South of Princeton (see exhibit "A")

Existing Traffic Control:

CR 456 Speed Limit 40 MPH

Roadway Width/ Surface Type:

CR 456 – 24-feet (2-Lane Asphalt)  
CR 490 North of intersection – 24-feet (2-Lane Asphalt)  
CR 490 South of intersection – 24-feet (2-Lane Asphalt)

Adjoining Land Development:

Pasture/Residential

Visibility:

Good

Accident History:

None have been reported to Public Works Department

Traffic Counts:

CR 456 – 165 Cars per Day  
CR 490 North of the intersection – 670 Cars per Day  
CR 490 South of the intersection – 709 Cars per Day

Application for Stop Sign:

A Stop sign is warranted by Section 2B.04, P2, Article B of the 2011 Texas Manual on Uniform Traffic Control Devices.

Other Factors:

None

Recommendation:

It is recommended that a Stop Sign be placed on CR 456 at its intersection with CR 490.

Date:

April 17, 2019

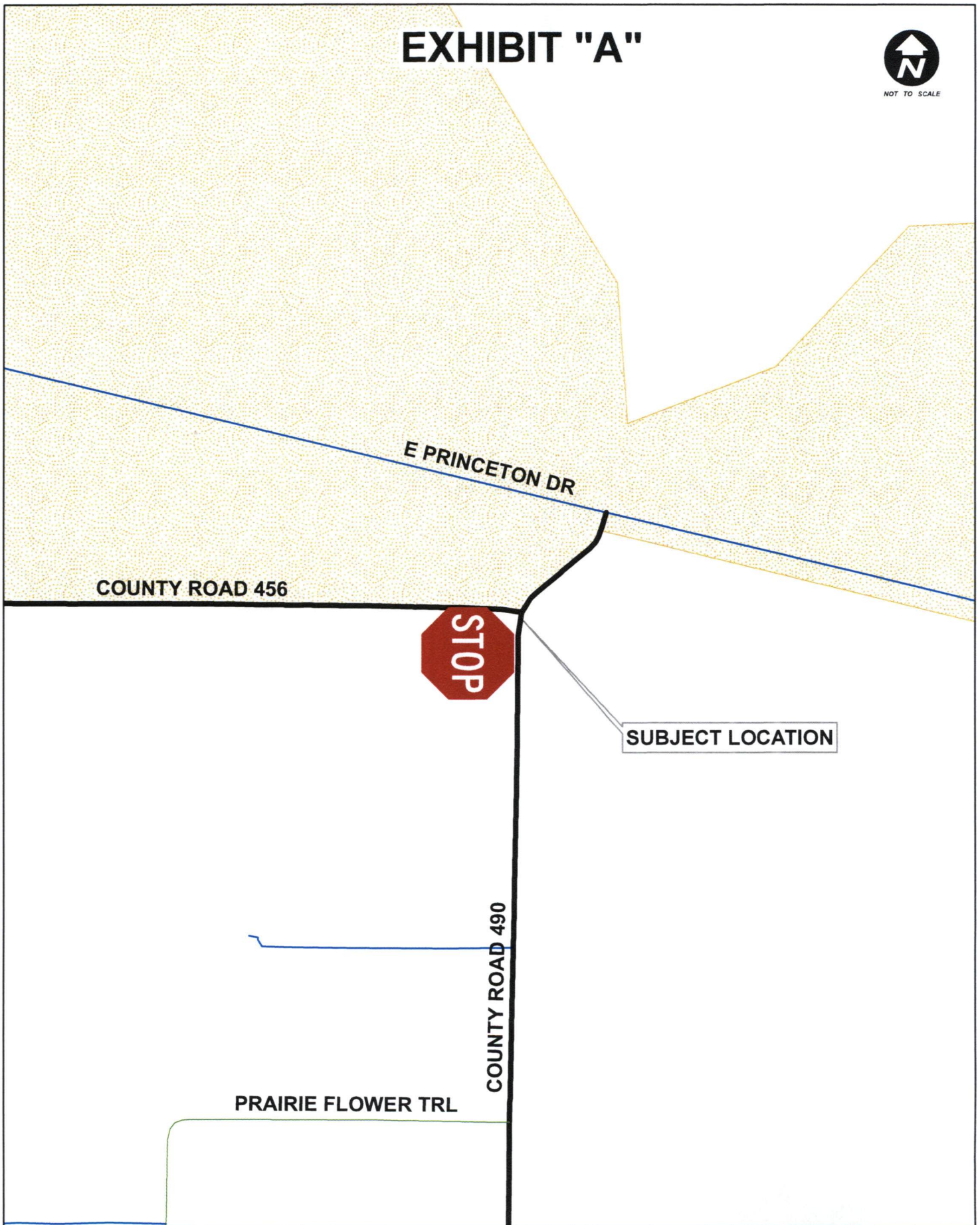
Engineer:

Mark Hines, P.E.





# EXHIBIT "A"



LOCATION MAP CR 456

## Engineering Study Control Device: Stop Sign CR 577

Roadway / Intersection:

Intersection of CR 577 (north) with CR 577 (south) and CR 578 (east)

Location / Extent:

East of Anna (see exhibit "A")

Existing Traffic Control:

Stop Sign on CR 577 at CR 578 (south of intersection)  
Stop Sign on CR 578 at CR 577  
CR 577 Speed Limit 40 MPH

Roadway Width/ Surface Type:

CR 578 – 22-feet (2-Lane Asphalt)  
CR 577 North of intersection – 24-feet (2-Lane Asphalt)  
CR 577 South of intersection – 24-feet (2-Lane Asphalt)

Adjoining Land Development:

Pasture/Residential

Visibility:

Good

Accident History:

There have been 4 reported accidents within the last 15 years

Traffic Counts:

CR 578 – 532 Cars per Day  
CR 577 North of the intersection – 508 Cars per Day  
CR 577 South of the intersection – 212 Cars per Day

Application for Stop Sign:

A Stop sign is warranted by Section 2B.04, P2, Article B of the 2011 Texas Manual on Uniform Traffic Control Devices.

Other Factors:

None

Recommendation:

It is recommended that a Stop Sign be placed on CR 577 at its intersection with CR 577 and CR 578.

Date:

April 16, 2019

Engineer:

Mark Hines, P.E.



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4/23/19

# EXHIBIT "A"



COUNTY ROAD 577



COUNTY ROAD 578

SUBJECT LOCATION

COUNTY ROAD 512

WEST RIDGE RD



## LOCATION MAP CR 577



# Engineering Study

## Control Device: Speed Limit Signs CR 800

Roadway / Intersection: County Road 800

Location / Extent: South of Nevada, from FM 1138 to CR 590 (see exhibit "A")

Existing Speed Limit: None

Existing Traffic Control: Stop Sign at the intersection with FM 1138  
Stop Sign at the intersection with CR 590  
CR 800, from FM 1138 to CR 541, Speed Limit 35 MPH

Traffic Counts: 299 Cars per day

Roadway Width/ Surface Type: 20-feet (2-Lane Asphalt)

Adjoining Land Development: Residential/Pasture

Roadway Design Speed: None

Visibility Along the Roadway: Good

Accident History: No speed related accidents reported to Public Works

Radar Speed Survey Result 85<sup>th</sup> percentile is 42 MPH

Other Factors: None

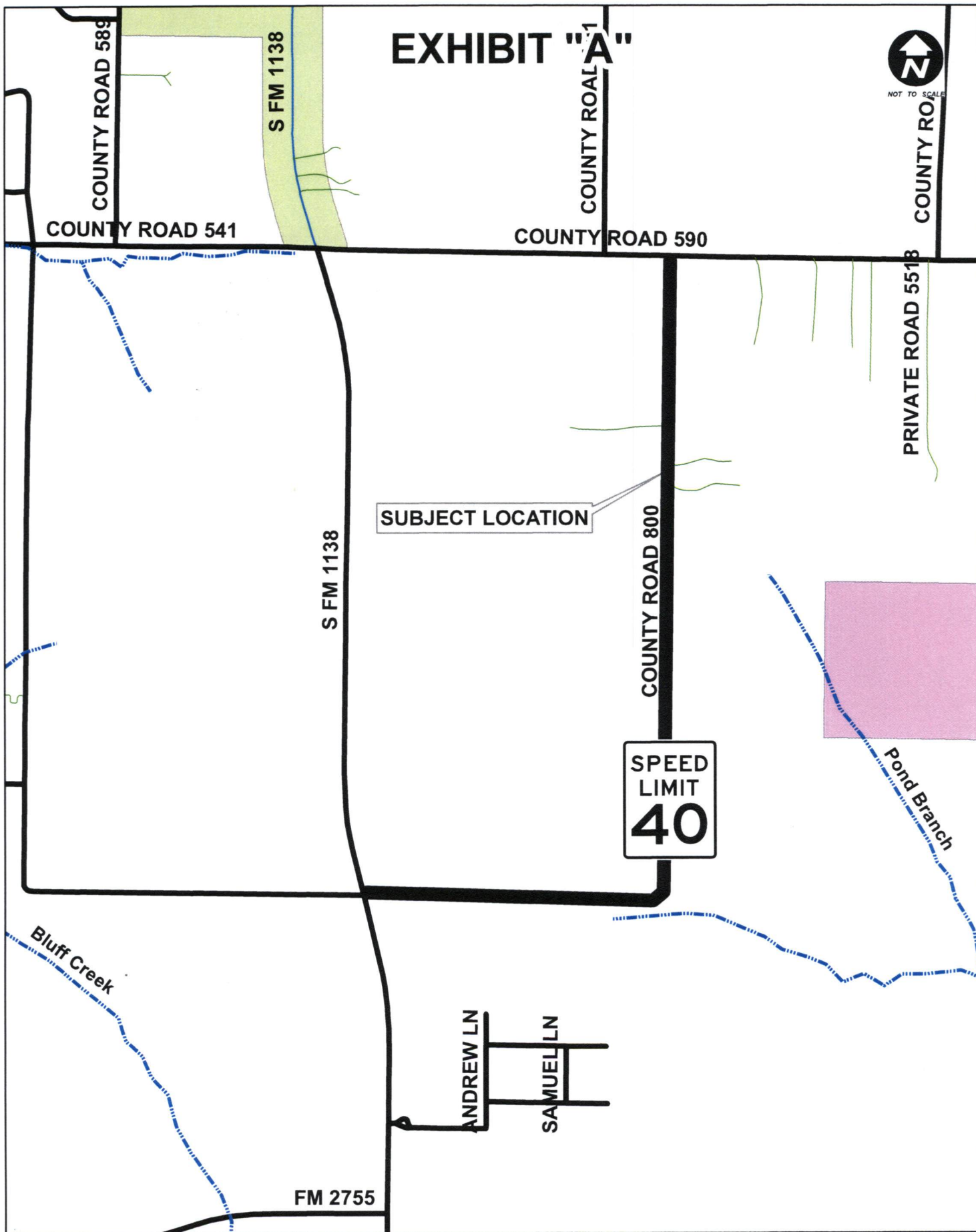
Recommendation: A 40 M.P.H. Speed Limit is recommended along the entire road.

Date: April 17, 2019

Engineer: Mark Hines, P.E.



*Mark F. Hines*  
4/23/19



LOCATION MAP CR 800



# Engineering Study

## Control Device: Stop Sign CR 1204

Roadway / Intersection:

Intersection of CR 1204 (south) with CR 578 (east and west)

Location / Extent:

North of Blue Ridge (see exhibit "A")

Existing Traffic Control:

CR 1204 Speed Limit 25 MPH

Roadway Width/ Surface Type:

CR 1204 – 20-feet (2-Lane Asphalt)  
CR 578 West of intersection – 22-feet (2-Lane Asphalt)  
CR 578 East of intersection – 22-feet (2-Lane Asphalt)

Adjoining Land Development:

Pasture/Residential

Visibility:

Good

Accident History:

None have been reported to Public Works Department

Traffic Counts:

CR 1204 – 133 Cars per Day  
CR 578 West of the intersection – 558 Cars per Day  
CR 578 East of the intersection – 556 Cars per Day

Application for Stop Sign:

A Stop sign is warranted by Section 2B.04, P3, Article A of the 2011 Texas Manual on Uniform Traffic Control Devices.

Other Factors:

None

Recommendation:

It is recommended that a Stop Sign be placed on CR 1204 at its intersection with CR 578, giving the right-of-way to the east and west traffic on CR 578.

Date:

April 16, 2019

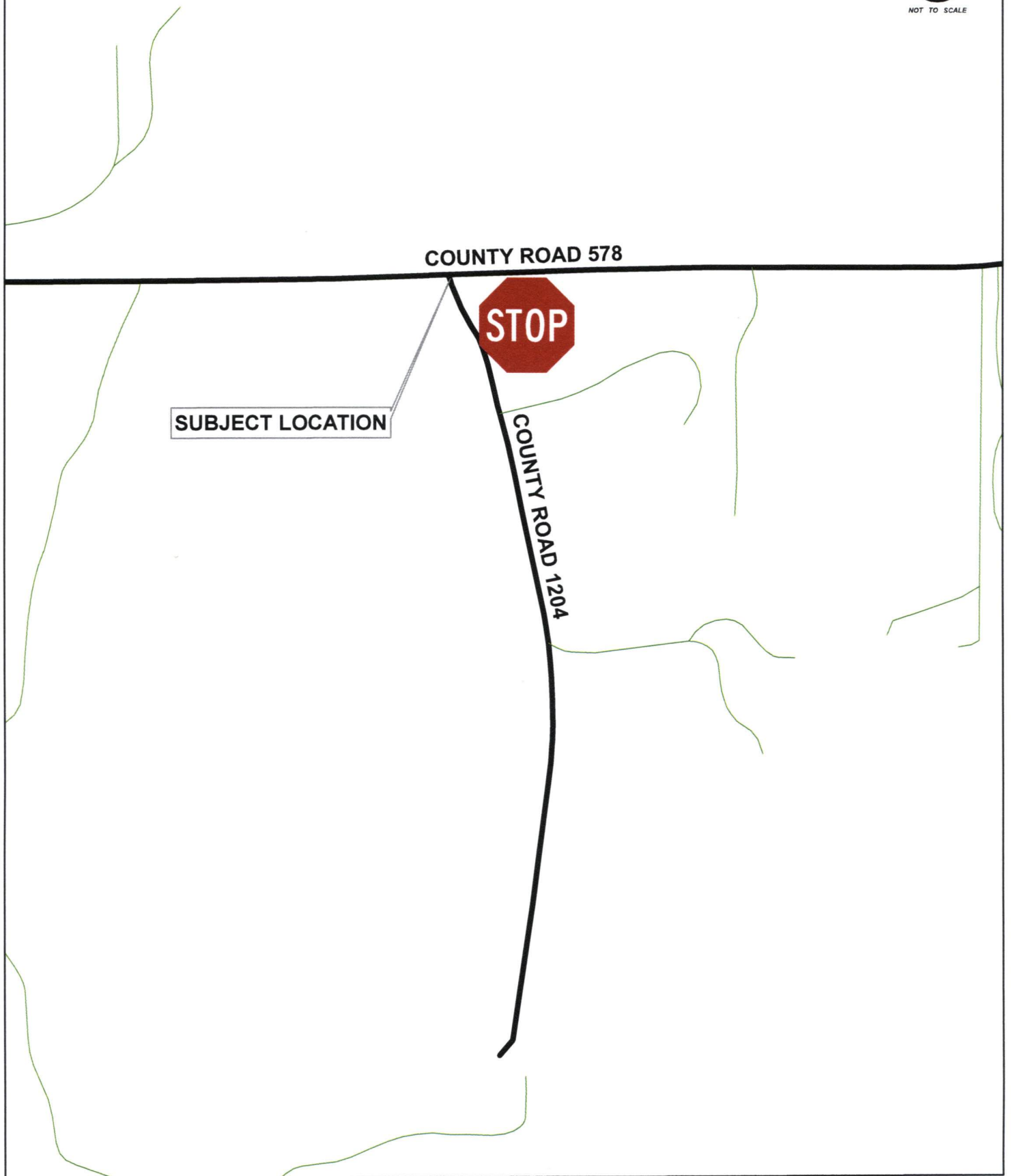
Engineer:

Mark Hines, P.E.



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4/27/19

# EXHIBIT "A"



LOCATION MAP CR 1204