

APPROVED SUBJECT TO TERMS AND
CONDITIONS OF A COMPREHENSIVE
PERMIT PER ZONING BOARD OF APPEALS
DECISION, AS AUTHORIZED BY CHAPTER
40B OF THE MASSACHUSETTS GENERAL
LAWS, SECTIONS 20-23.

[illegible]

I CERTIFY THAT 20 DAYS HAVE ELAPSED SINCE ZONING BOARD APPROVAL, AND THAT NO APPEAL HAS BEEN FILED AT THIS OFFICE.

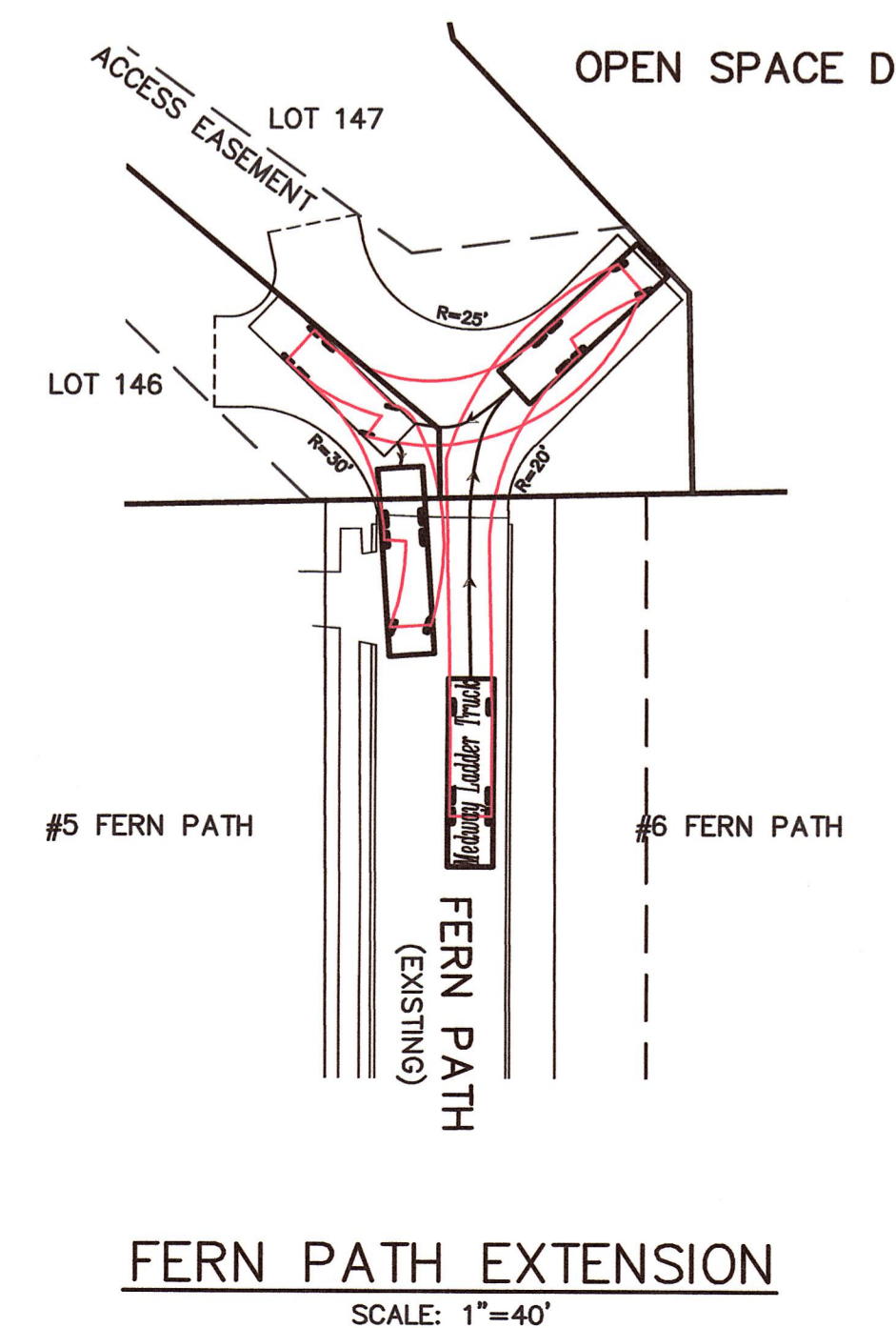
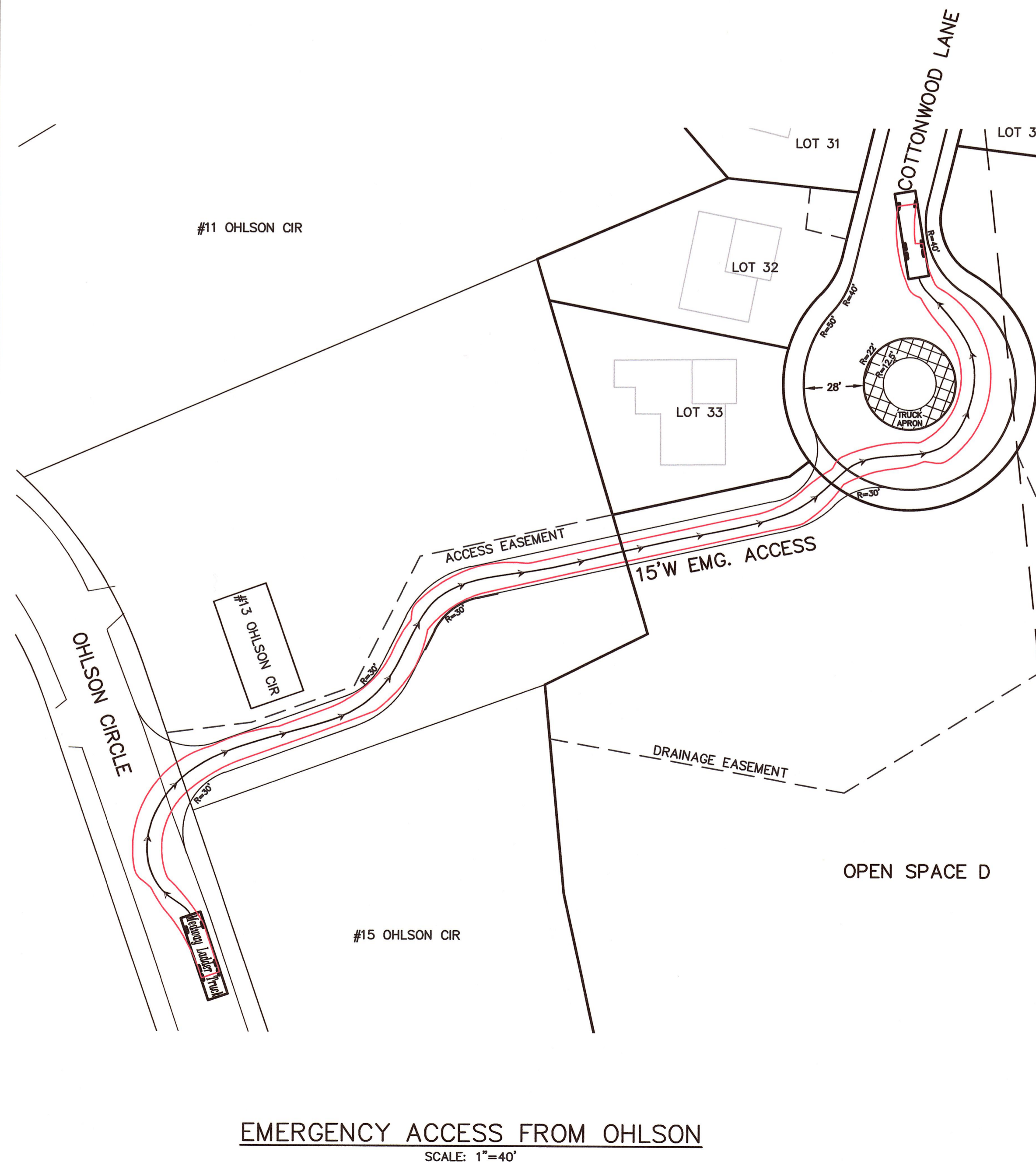
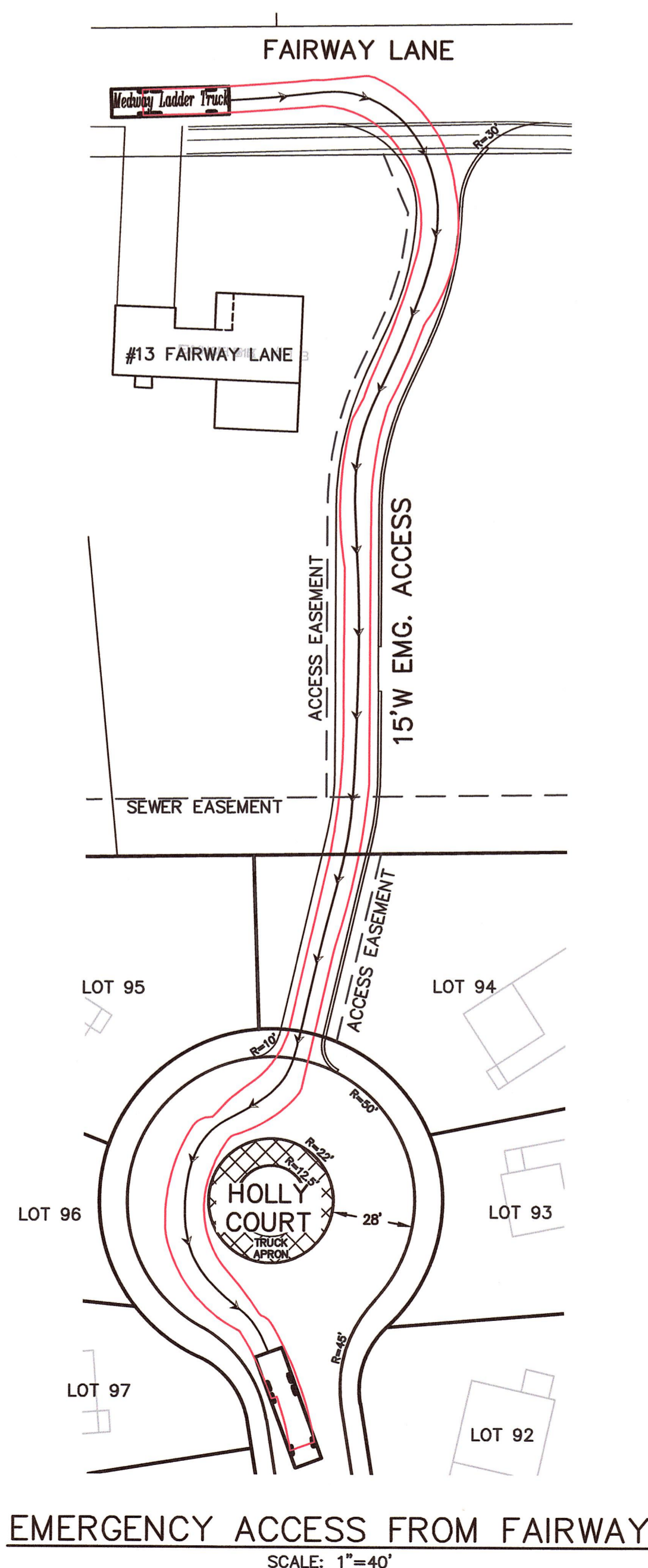
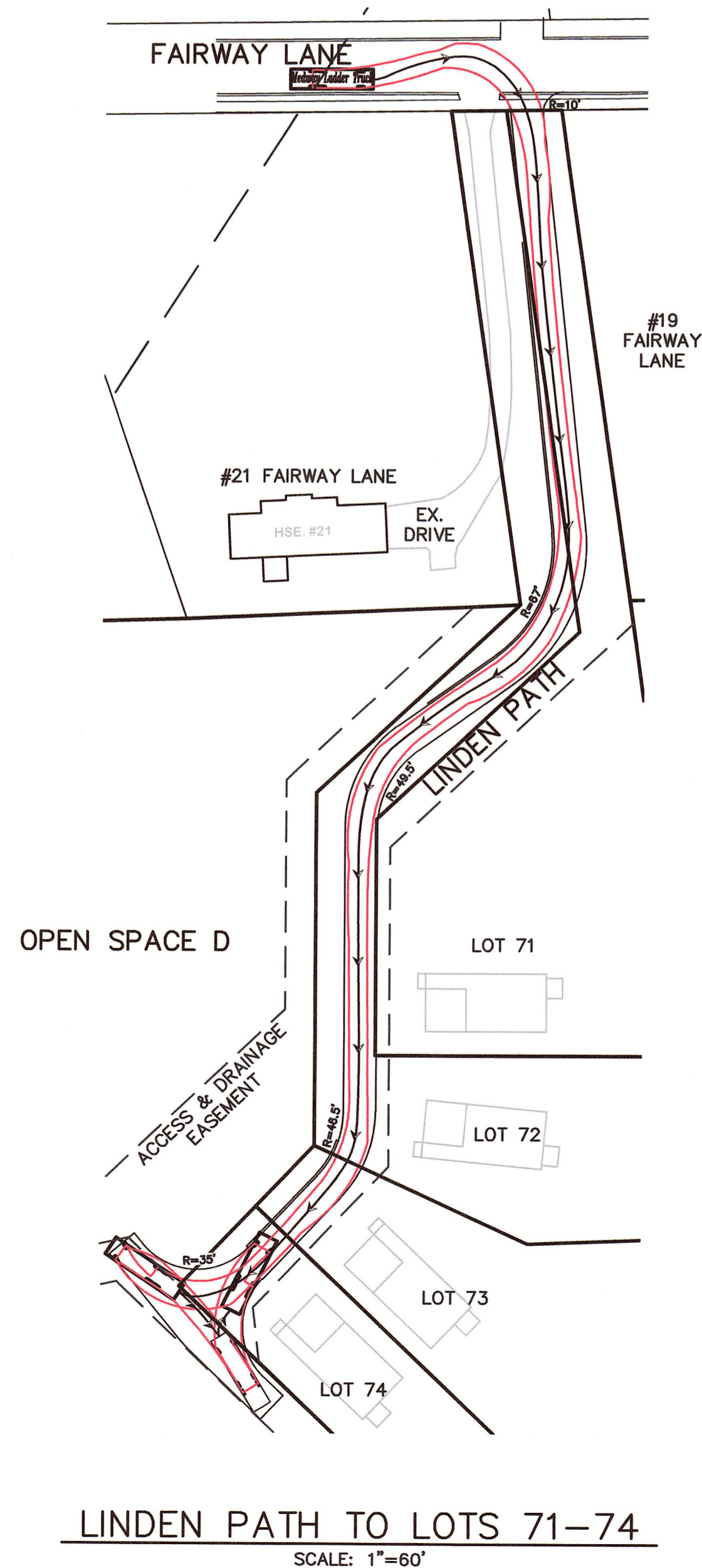
EMERGENCY VEHICLE TURNING MOVEMENTS (LADDER TRUCK)



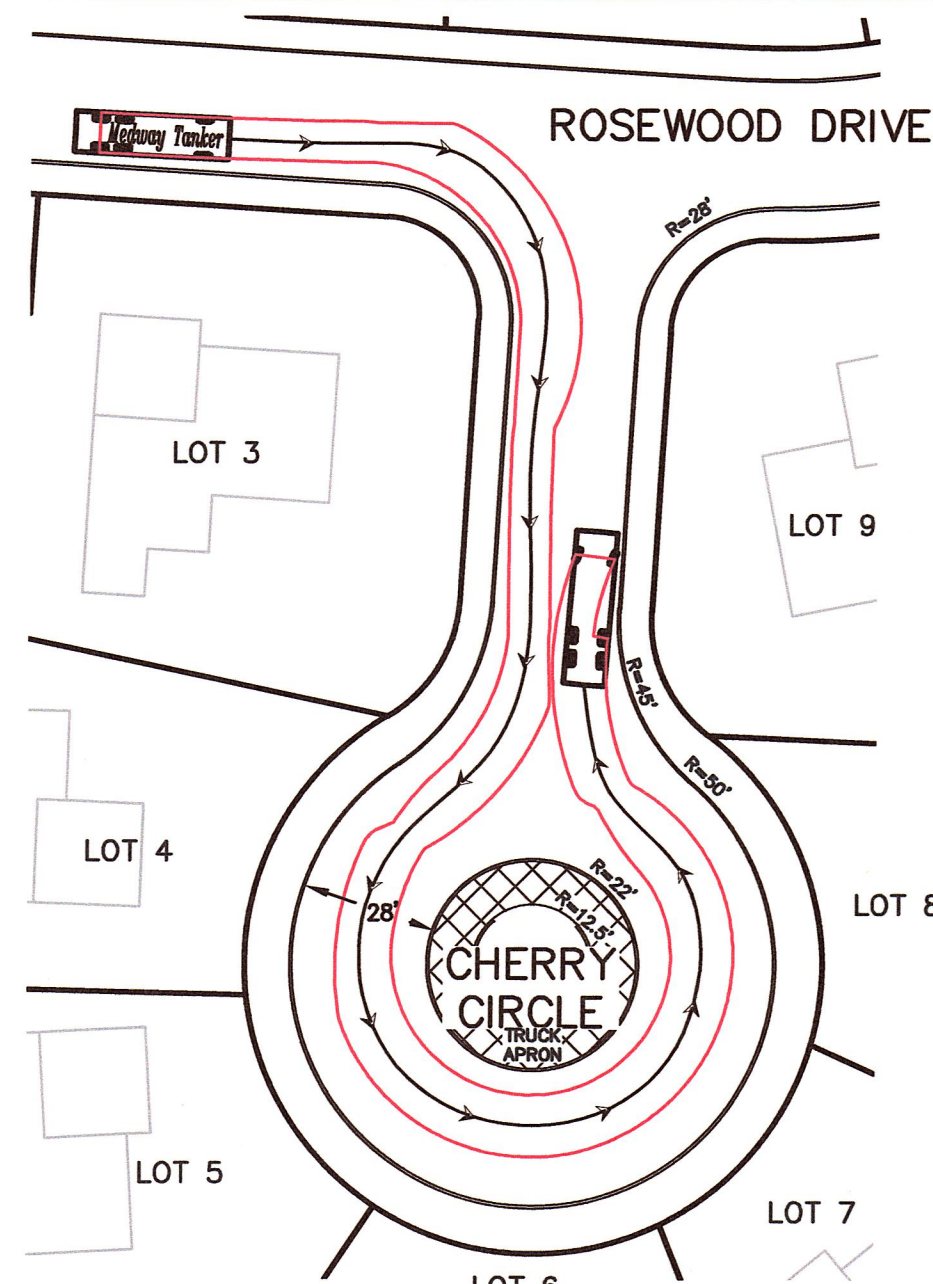
| | |
|---------------|-----------------|
| DRAWN BY: CJV | CHECKED BY: JAF |
|---------------|-----------------|

A horizontal scale bar with markings at 0', 40', 80', and 120'.

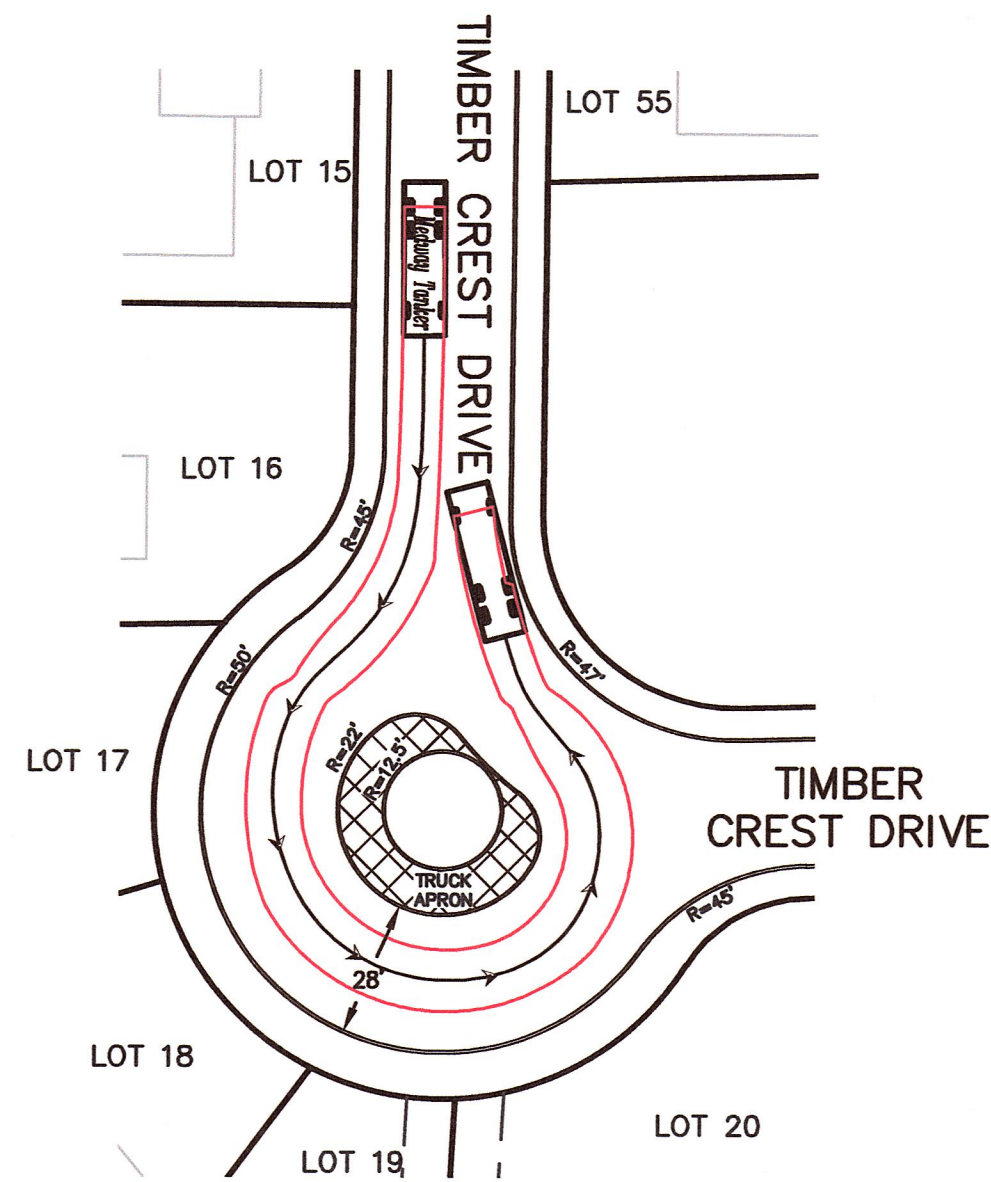
OE-2765



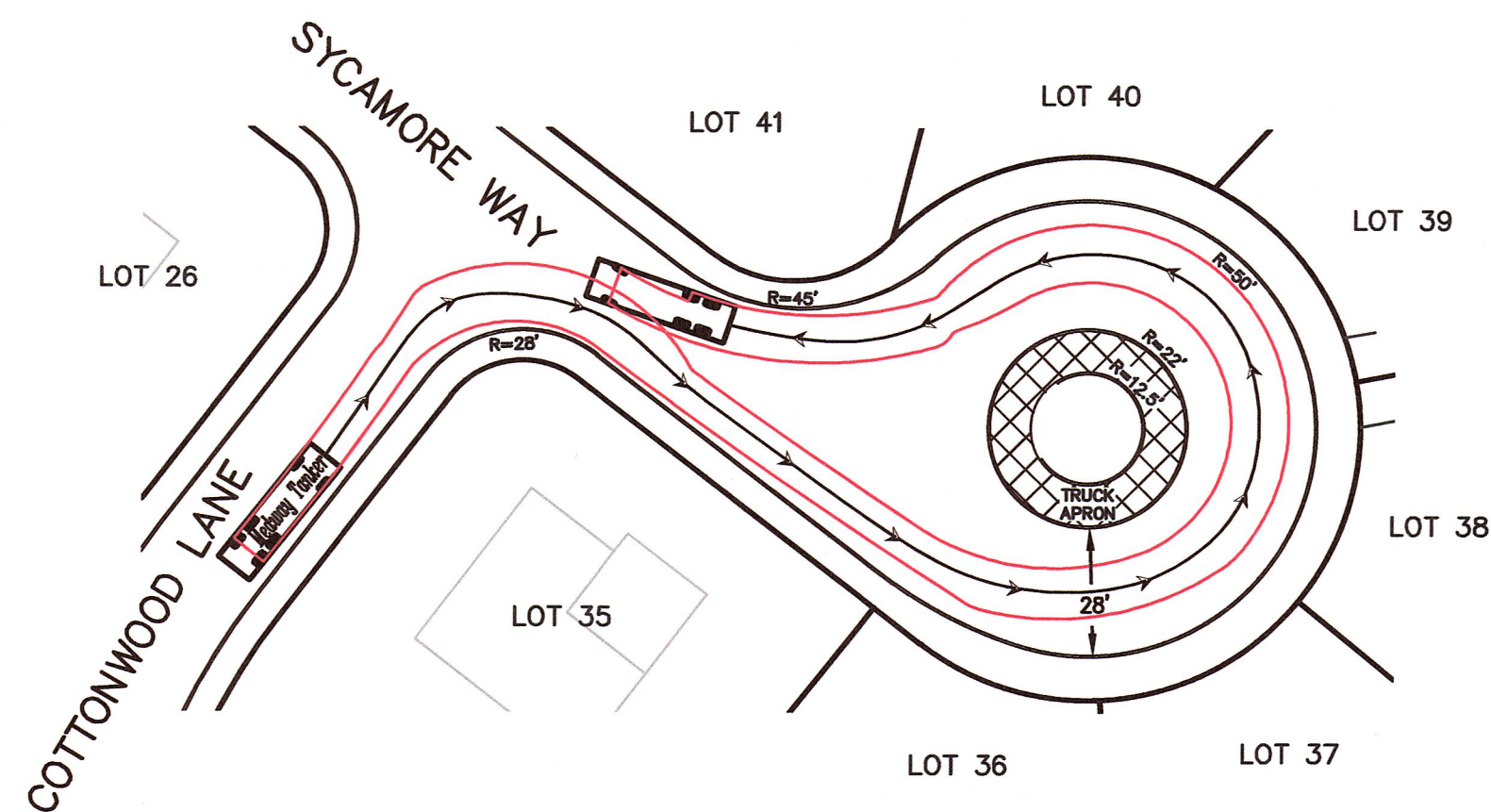
2. Name Project: 2019-06-27-2765-Medway (2019)_281 Planning Permit (Volume 1) Sheet 3 of 21 - Turning Movements



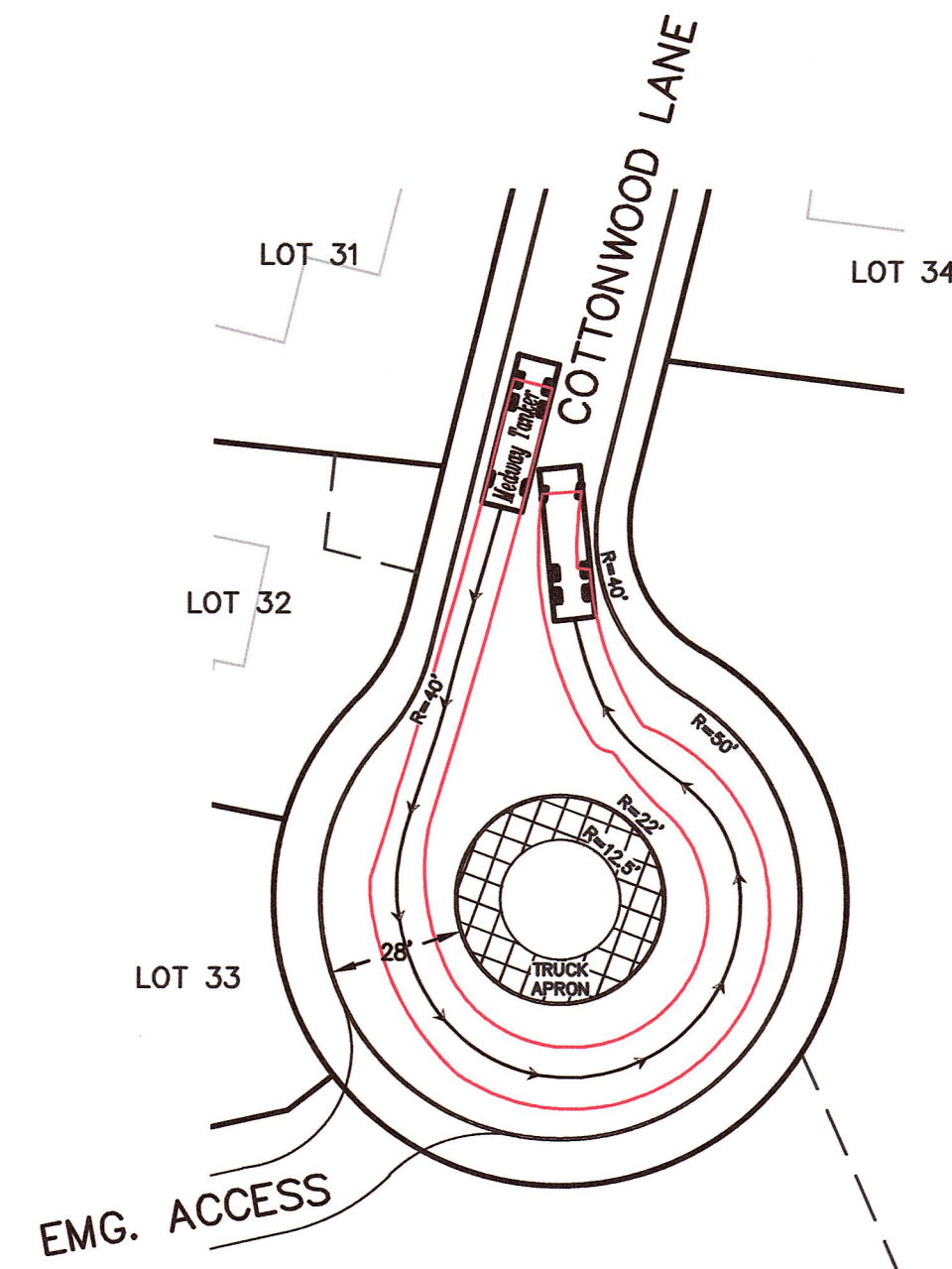
TYPICAL FOR CHERRY CIRCLE,
SYCAMORE WAY(NORTH),
KINGSBURY DRIVE, & HOLLY COURT
SCALE: 1"=40'



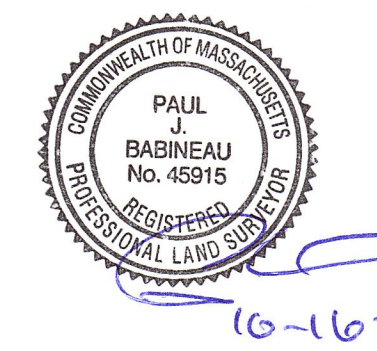
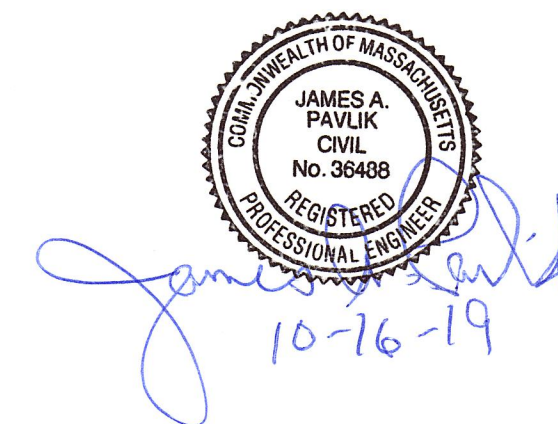
TIMBER CREST DRIVE(SOUTH)
SCALE: 1"=40'



TYPICAL FOR TIMBER CREST DRIVE(NORTH)
& SYCAMORE WAY(SOUTH)
SCALE: 1"=40'



COTTONWOOD LANE
SCALE: 1"=40'



APPROVED SUBJECT TO TERMS AND
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40B OF THE MASSACHUSETTS GENERAL
LAWS, SECTIONS 20-23.

DATE: _____

MEDWAY ZONING BOARD OF APPEALS

I CERTIFY THAT 20 DAYS HAVE
ELAPSED SINCE ZONING BOARD
APPROVAL, AND THAT NO APPEAL
HAS BEEN FILED AT THIS OFFICE.

TOWN CLERK-TOWN OF MEDWAY

EMERGENCY VEHICLE
TURNING MOVEMENTS
(TANKER TRUCK)

"TIMBER CREST
ESTATES"
&
"KINGSBURY VILLAGE"
IN
MEDWAY
MASSACHUSETTS

**Outback
Engineering
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165 EAST GROVE STREET
MIDDLEBOROUGH, MA 02346
TEL: (508)-946-9231
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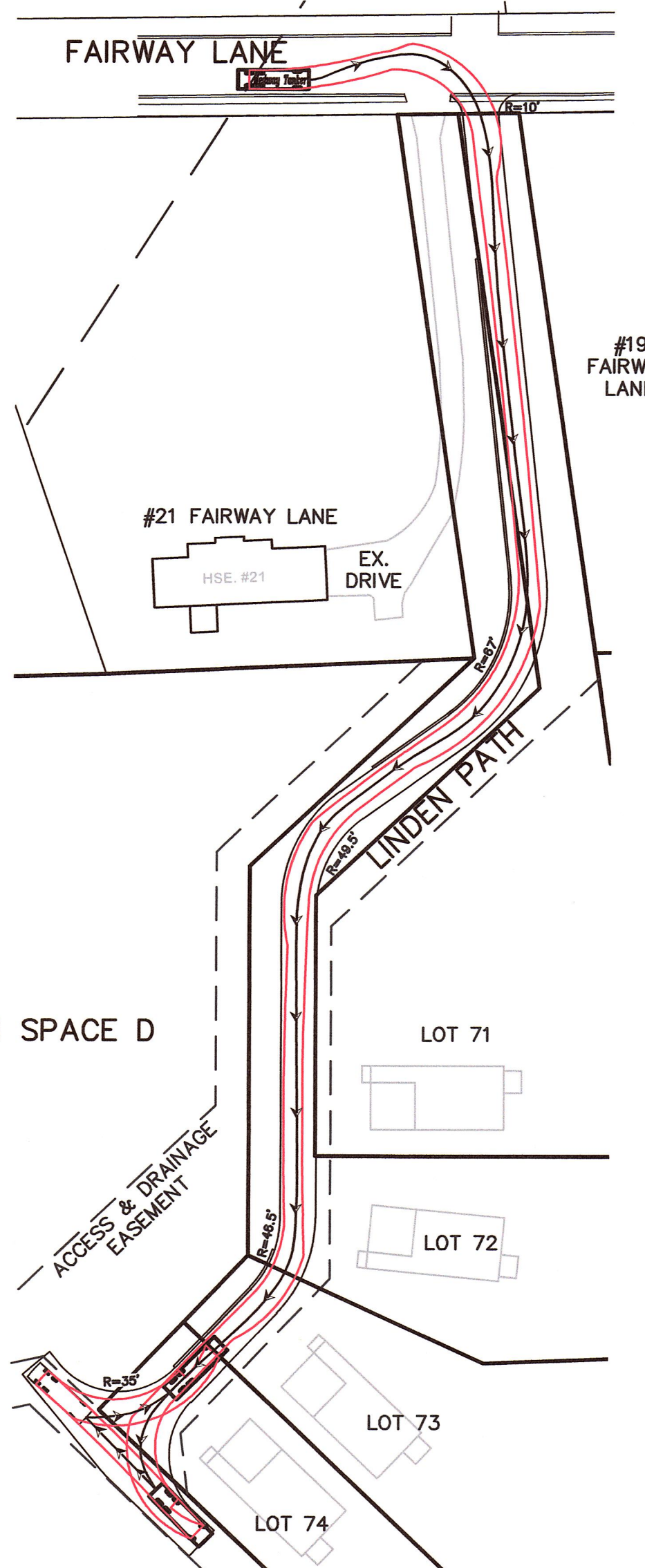
DATE: AUGUST 6, 2019

DRAWN BY: CJV CHECKED BY: JAP

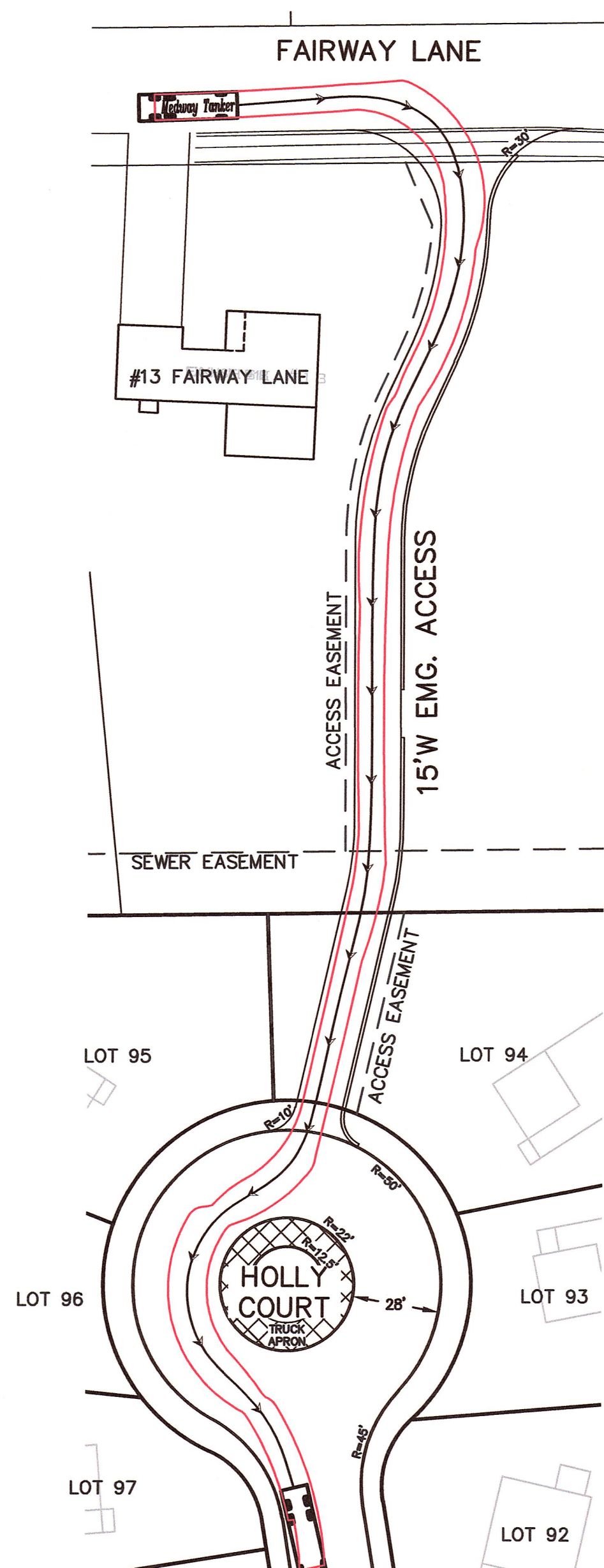
SCALE: 1"=40' SHEET 3 OF 21

0' 40' 80' 120'

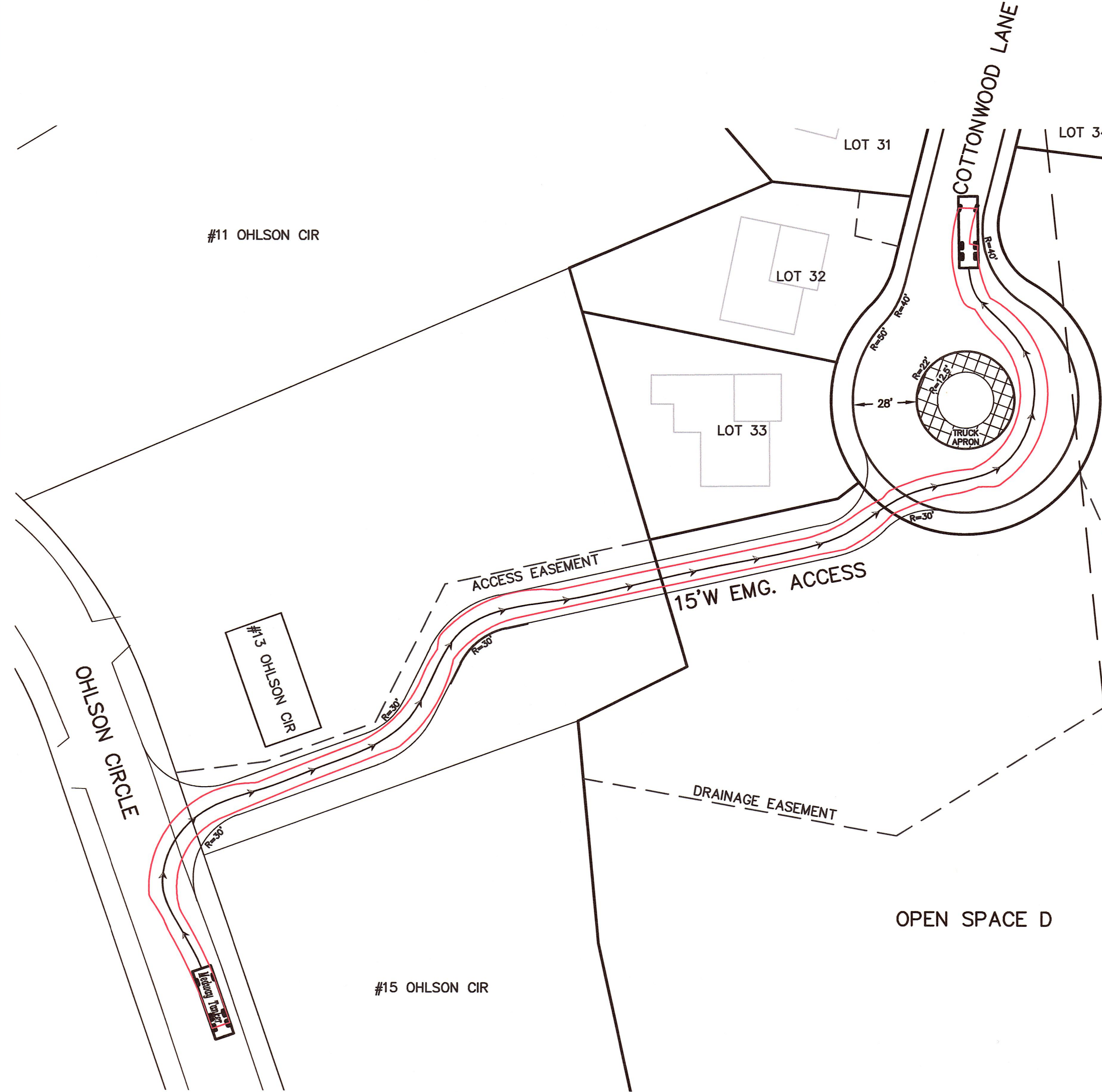
OE-2765



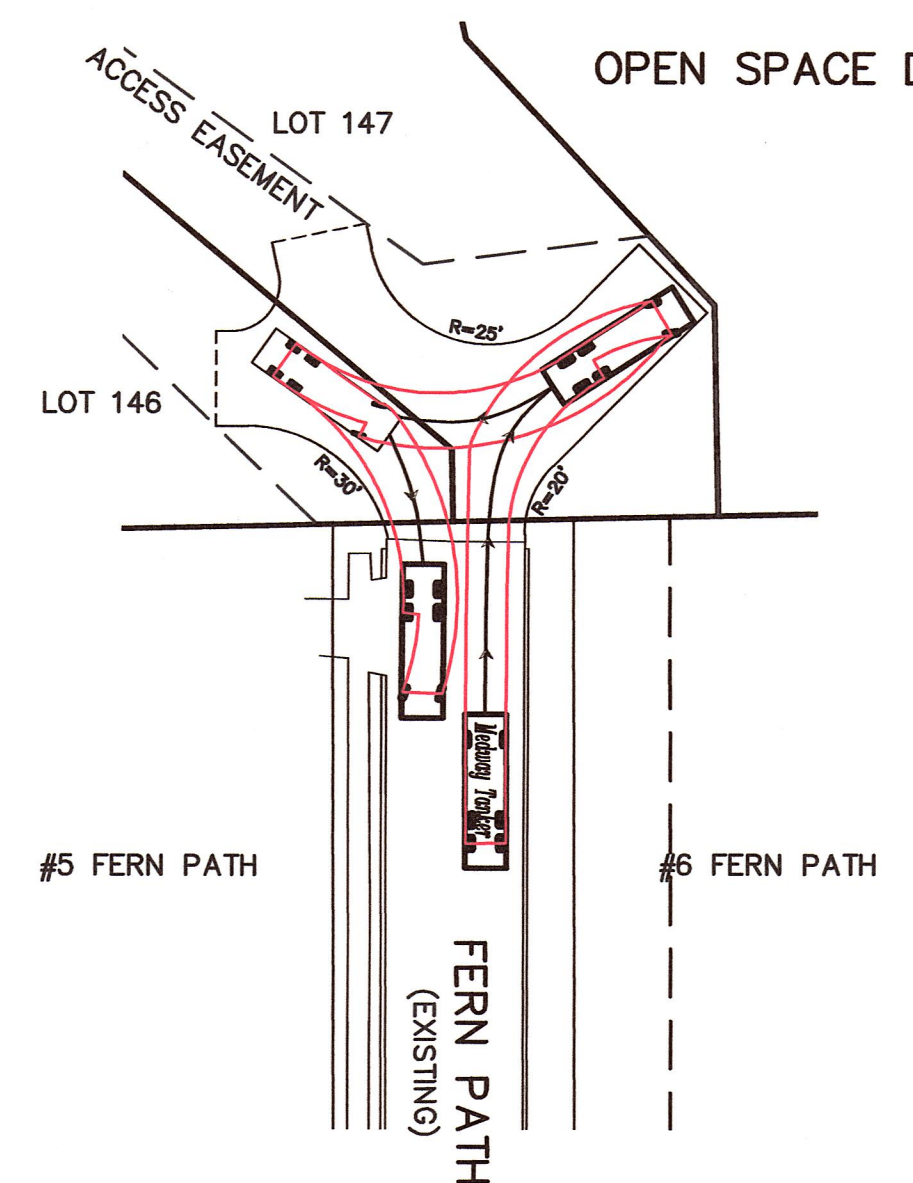
LINDEN PATH TO LOTS 71-74
SCALE: 1"=60'



EMERGENCY ACCESS FROM FAIRWAY
SCALE: 1"=40'

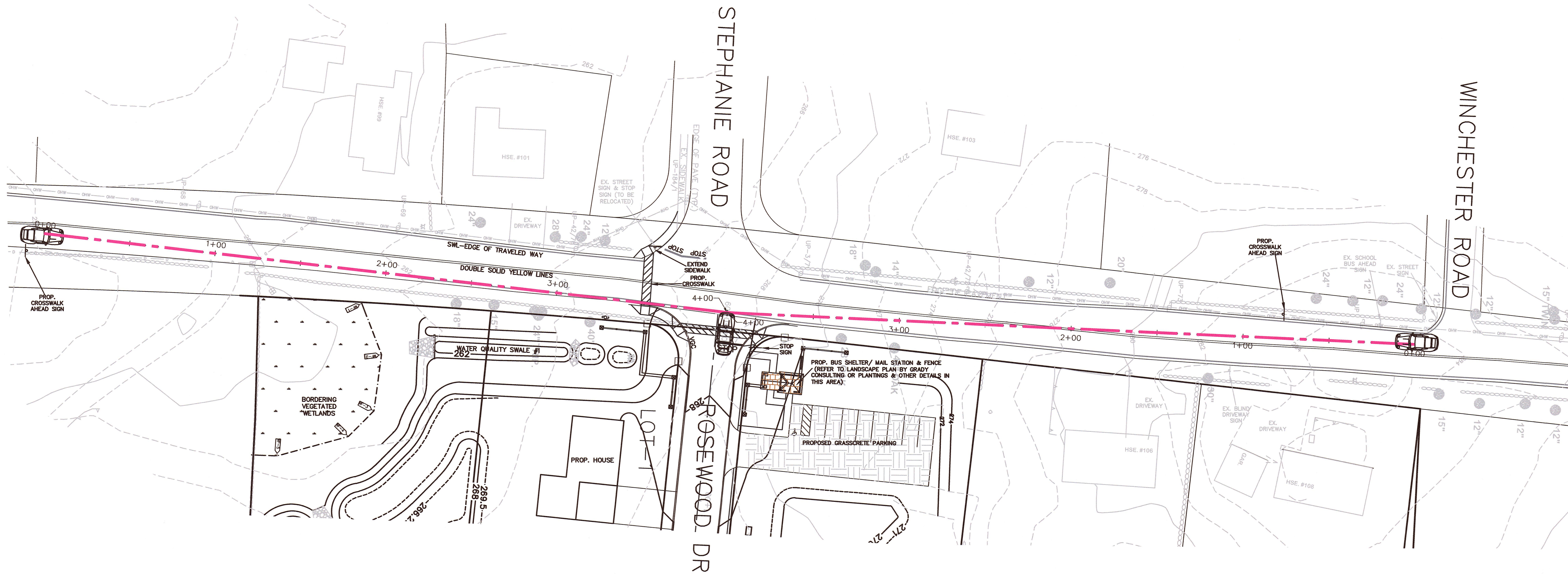
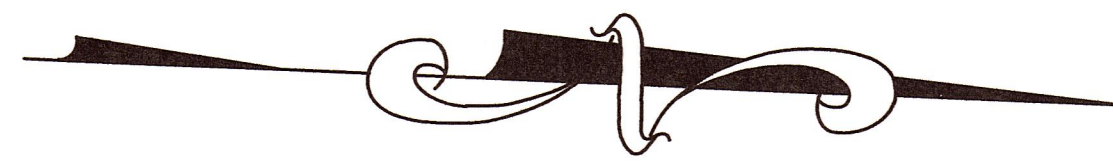


EMERGENCY ACCESS FROM OHLSON
SCALE: 1"=40'



FERN PATH EXTENSION
SCALE: 1"=40'

*REQUIRED SSD DISTANCE FOR THE 85TH PERCENTILE SPEED TAKEN FROM "UPDATED TRAFFIC IMPACT AND ACCESS STUDY FOR PROPOSED TIMBER CREST ESTATES RESIDENTIAL DEVELOPMENT" PREPARED BY GREEN INTERNATIONAL AFFILIATES, INC IN OCTOBER 2016



10-16-19

10-16-19

APPROVED SUBJECT TO TERMS AND CONDITIONS OF A COMPREHENSIVE PERMIT PER ZONING BOARD OF APPEALS DECISION, AS AUTHORIZED BY CHAPTER 40B OF THE MASSACHUSETTS GENERAL LAWS, SECTIONS 20-23.

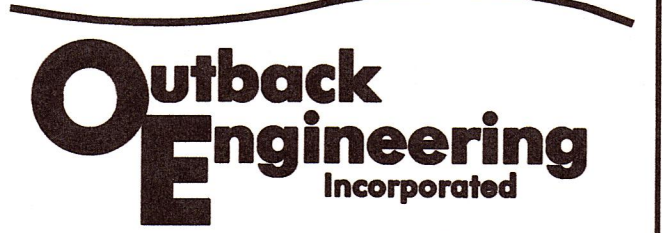
DATE: _____

MEDWAY ZONING BOARD OF APPEALS

I CERTIFY THAT 20 DAYS HAVE ELAPSED SINCE ZONING BOARD APPROVAL, AND THAT NO APPEAL HAS BEEN FILED AT THIS OFFICE.

TOWN CLERK-TOWN OF MEDWAY

ROSEWOOD DRIVE
STOPPING SIGHT
DISTANCE AT
WINTHROP STREET
"TIMBER CREST
ESTATES"
IN
MEDWAY
MASSACHUSETTS

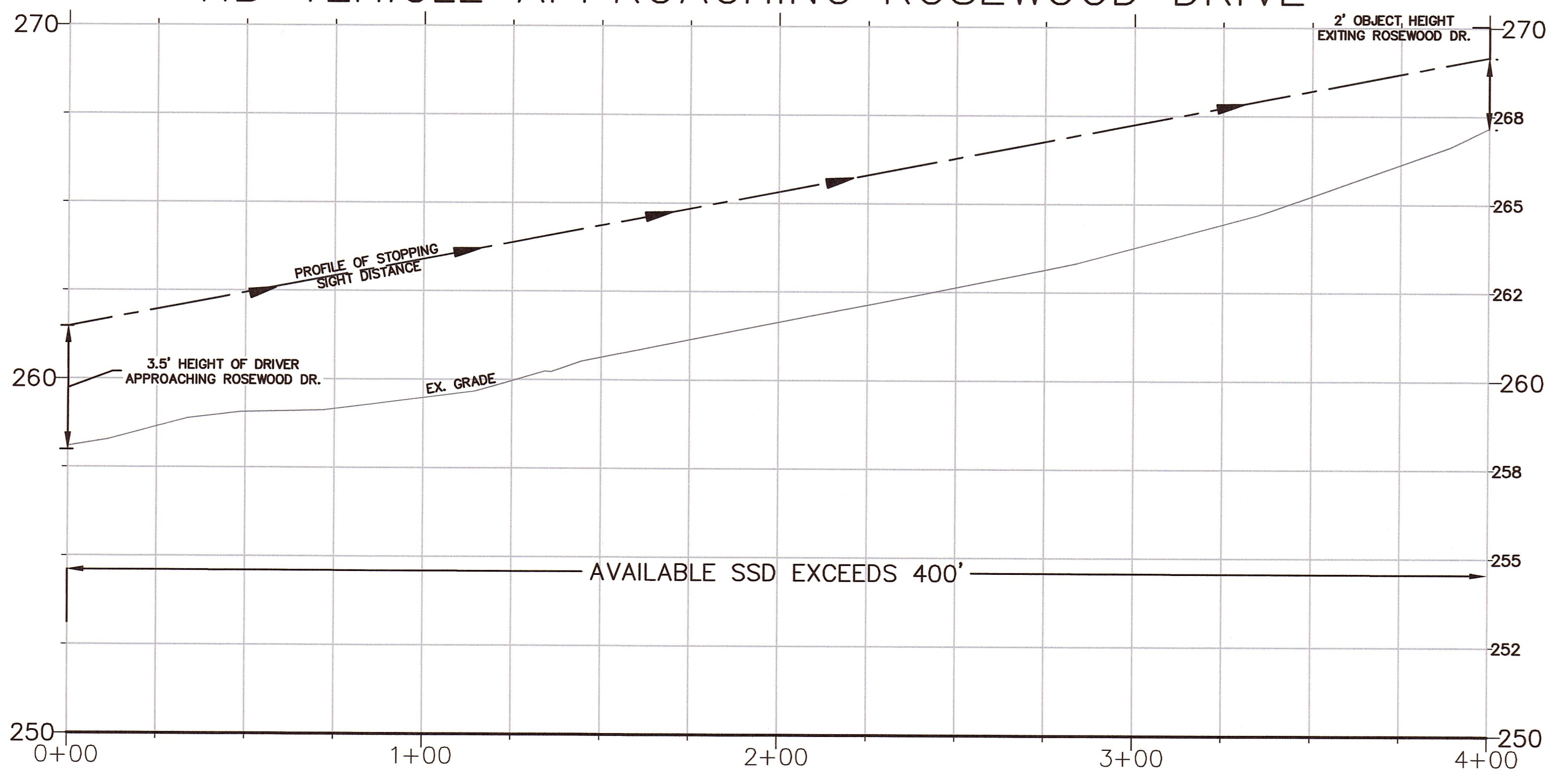


165 EAST GROVE STREET
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TEL: (508)-946-9231
FAX: (508)-947-8873
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DATE: AUGUST 6, 2019
DRAWN BY: CJV CHECKED BY: JAP
SCALE: 1"=30' SHEET 4 OF 21
0' 30' 60' 90'

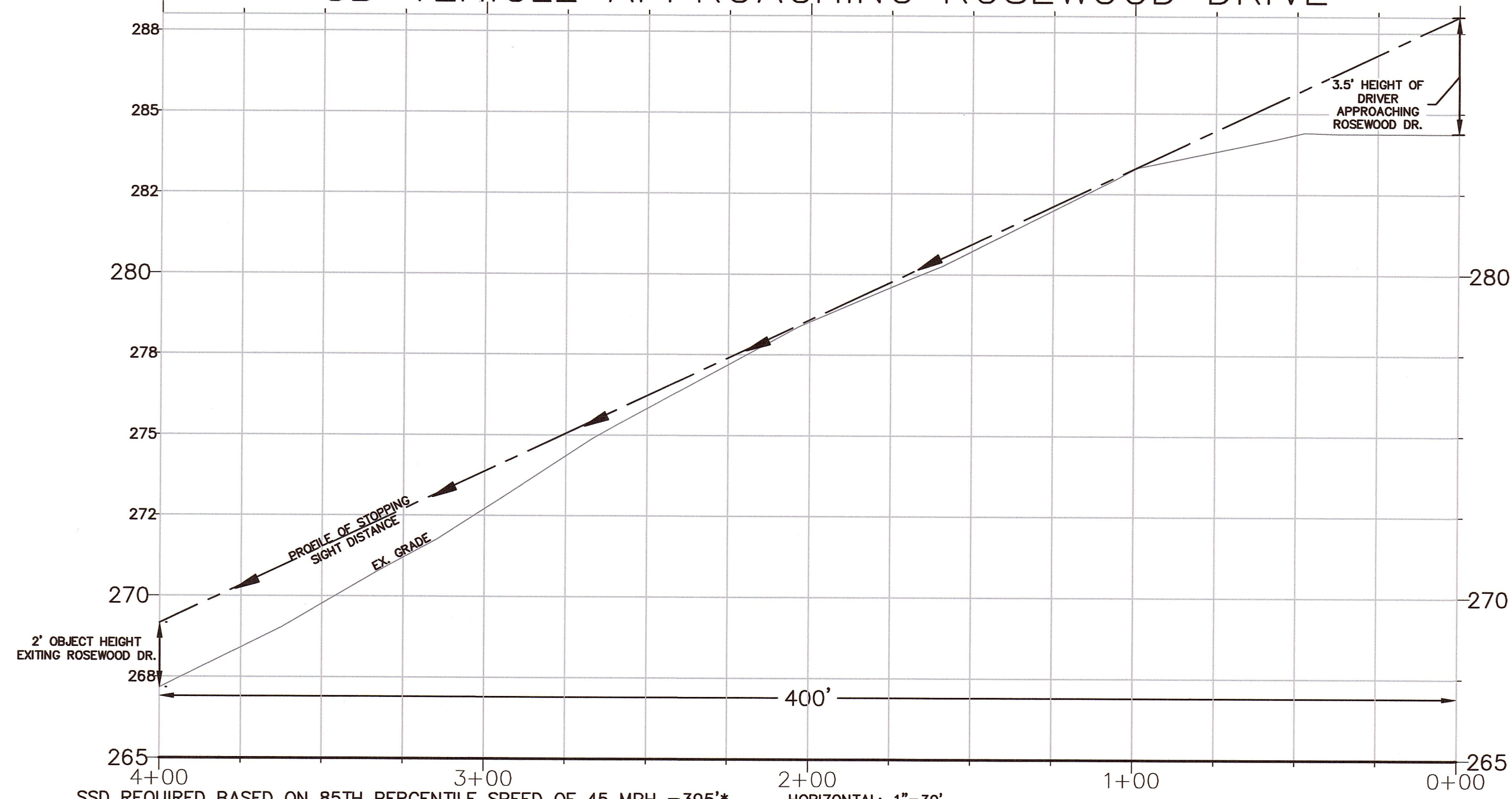
OE-2765

WINTHROP STREET STOPPING SIGHT DISTANCE
NB VEHICLE APPROACHING ROSEWOOD DRIVE

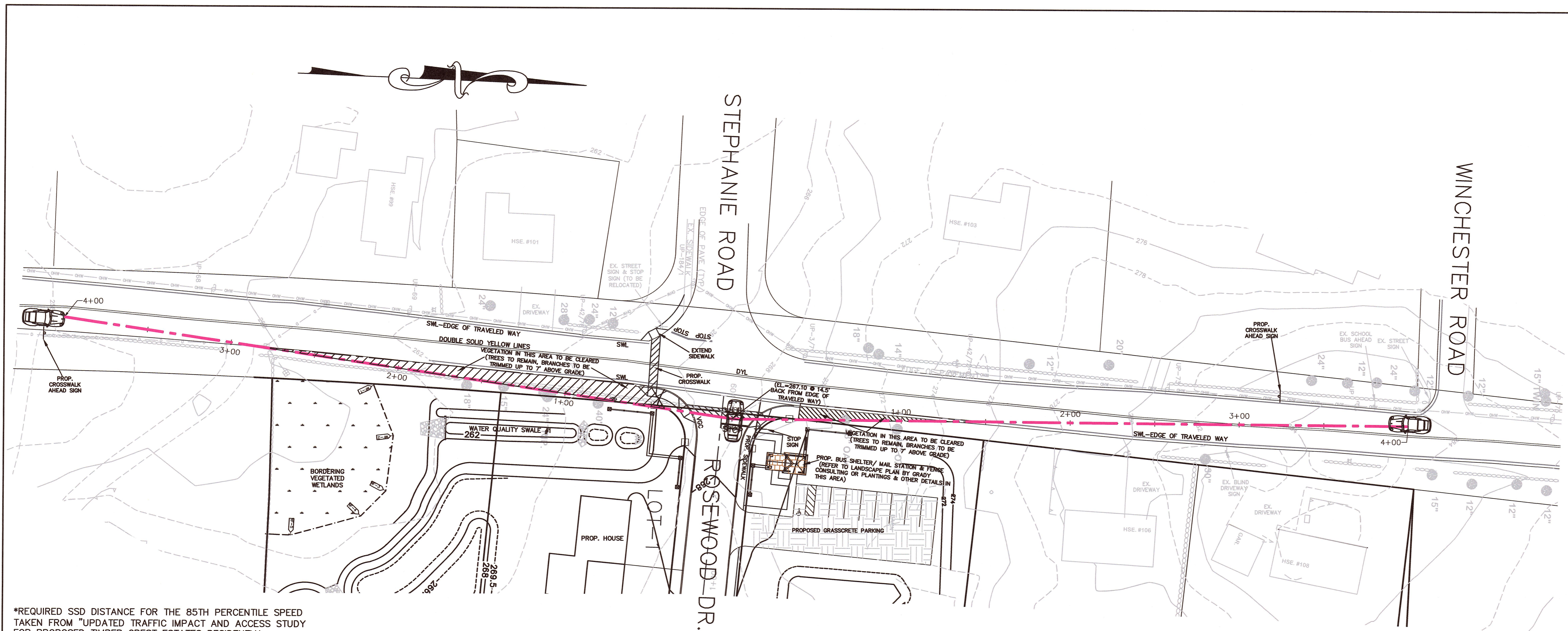


SSD REQUIRED BASED ON 85TH PERCENTILE SPEED FOR 45 MPH =350'*
SSD PROVIDED >400'

WINTHROP STREET STOPPING SIGHT DISTANCE
SB VEHICLE APPROACHING ROSEWOOD DRIVE

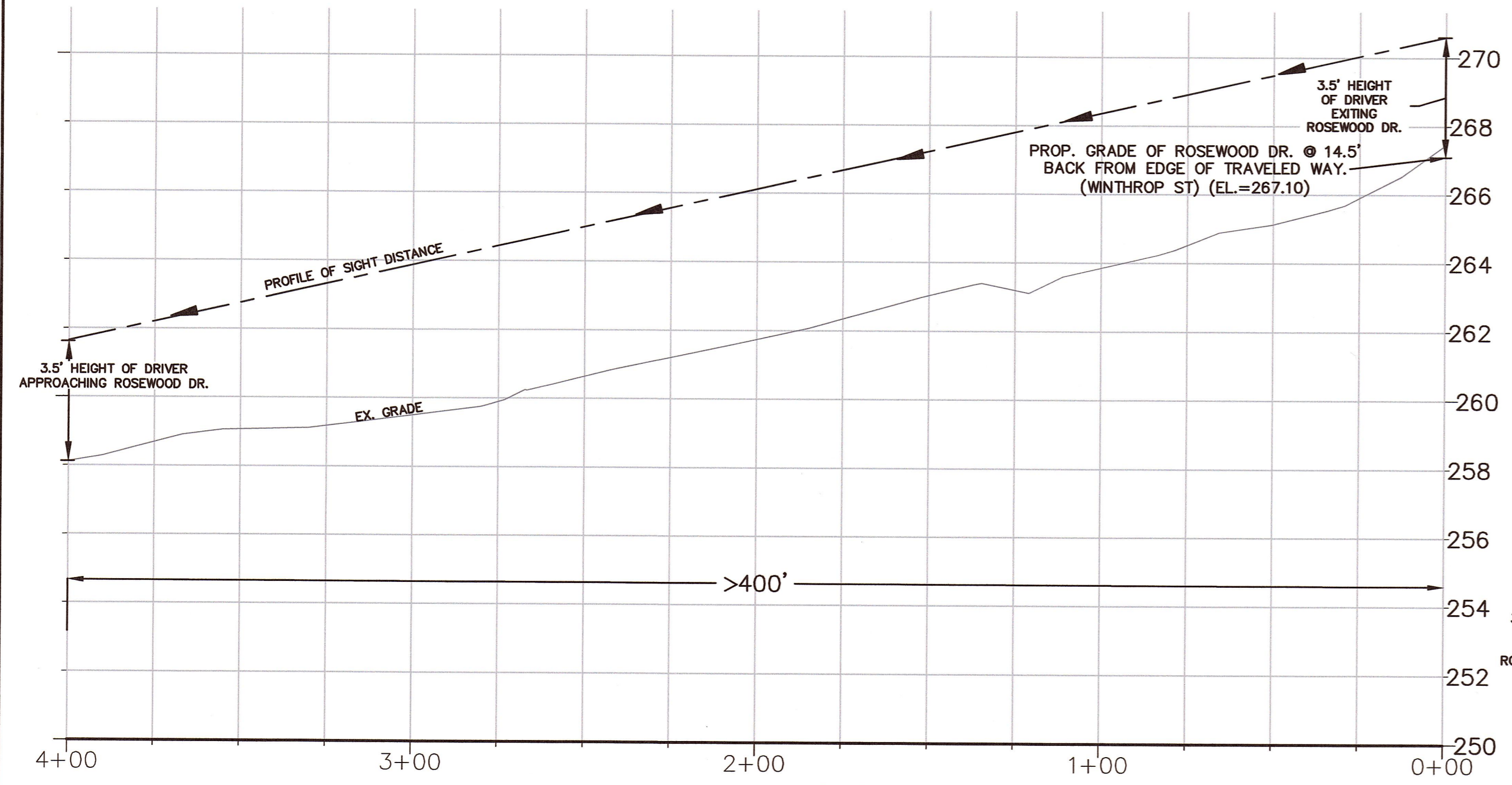


SSD REQUIRED BASED ON 85TH PERCENTILE SPEED OF 45 MPH =395'*
SSD PROVIDED =400'



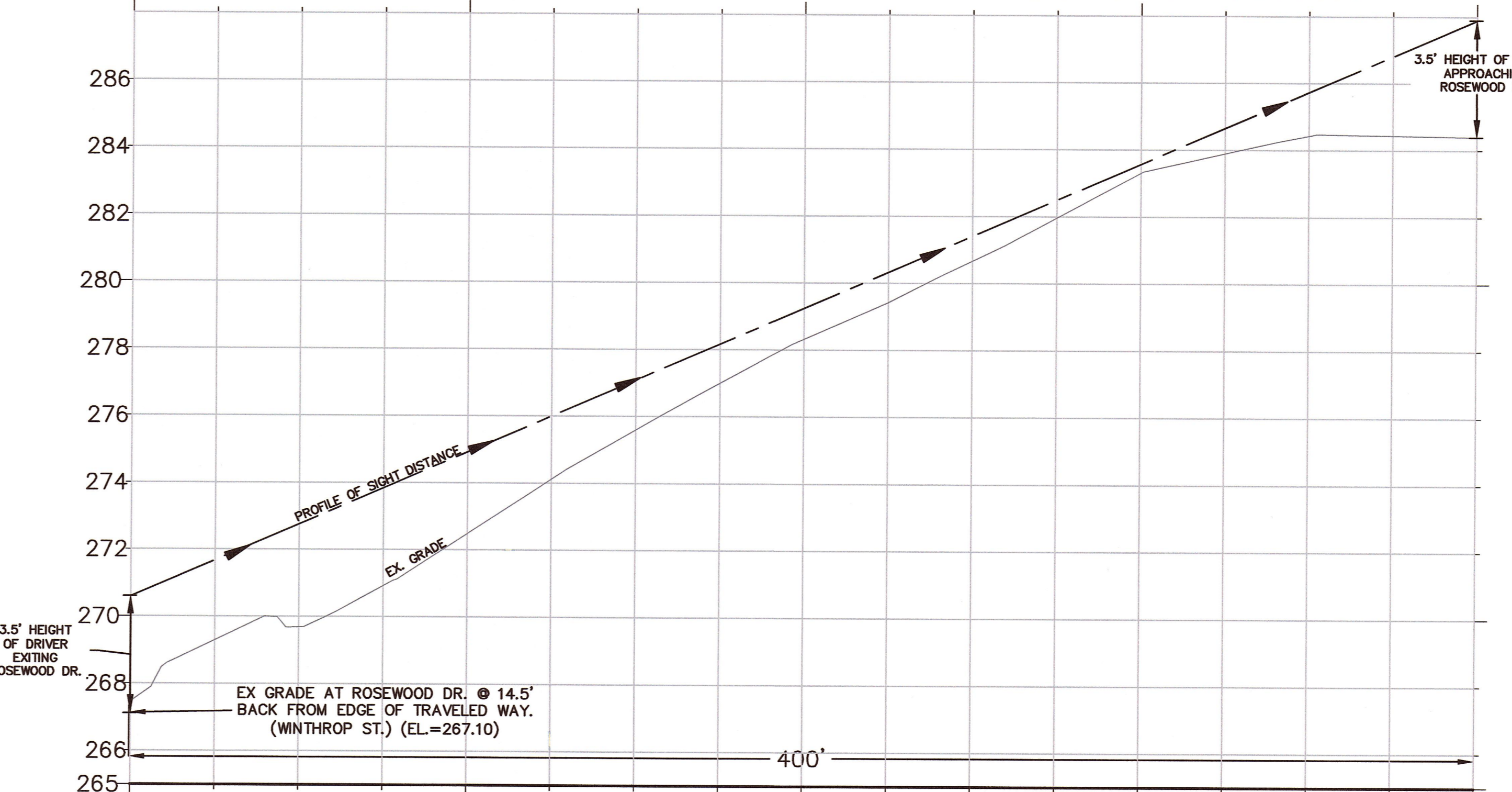
*REQUIRED SSD DISTANCE FOR THE 85TH PERCENTILE SPEED TAKEN FROM "UPDATED TRAFFIC IMPACT AND ACCESS STUDY FOR PROPOSED TIMBER CREST ESTATES RESIDENTIAL DEVELOPMENT" PREPARED BY GREEN INTERNATIONAL AFFILIATES, INC IN OCTOBER 2016

WINTHROP STREET INTERSECTION SIGHT DISTANCE
VEHICLE EXITING ROSEWOOD DRIVE LOOKING SOUTH



ISD REQUIRED BASED ON 85TH PERCENTILE SPEED OF 45 MPH = 370' *
ISD PROVIDED >400'

WINTHROP STREET INTERSECTION SIGHT DISTANCE
VEHICLE EXITING ROSEWOOD DRIVE LOOKING NORTH



ISD REQUIRED BASED ON 85TH PERCENTILE SPEED OF 45 MPH = 395'
ISD PROVIDED = 400'

James A. Pavlik
10-16-19
Paul Babineau
10-16-19

APPROVED SUBJECT TO TERMS AND CONDITIONS OF A COMPREHENSIVE PERMIT PER ZONING BOARD OF APPEALS DECISION, AS AUTHORIZED BY CHAPTER 40B OF THE MASSACHUSETTS GENERAL LAWS, SECTIONS 20-23.

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MEDWAY ZONING BOARD OF APPEALS

I CERTIFY THAT 20 DAYS HAVE ELAPSED SINCE ZONING BOARD APPROVAL, AND THAT NO APPEAL HAS BEEN FILED AT THIS OFFICE.

TOWN CLERK-TOWN OF MEDWAY

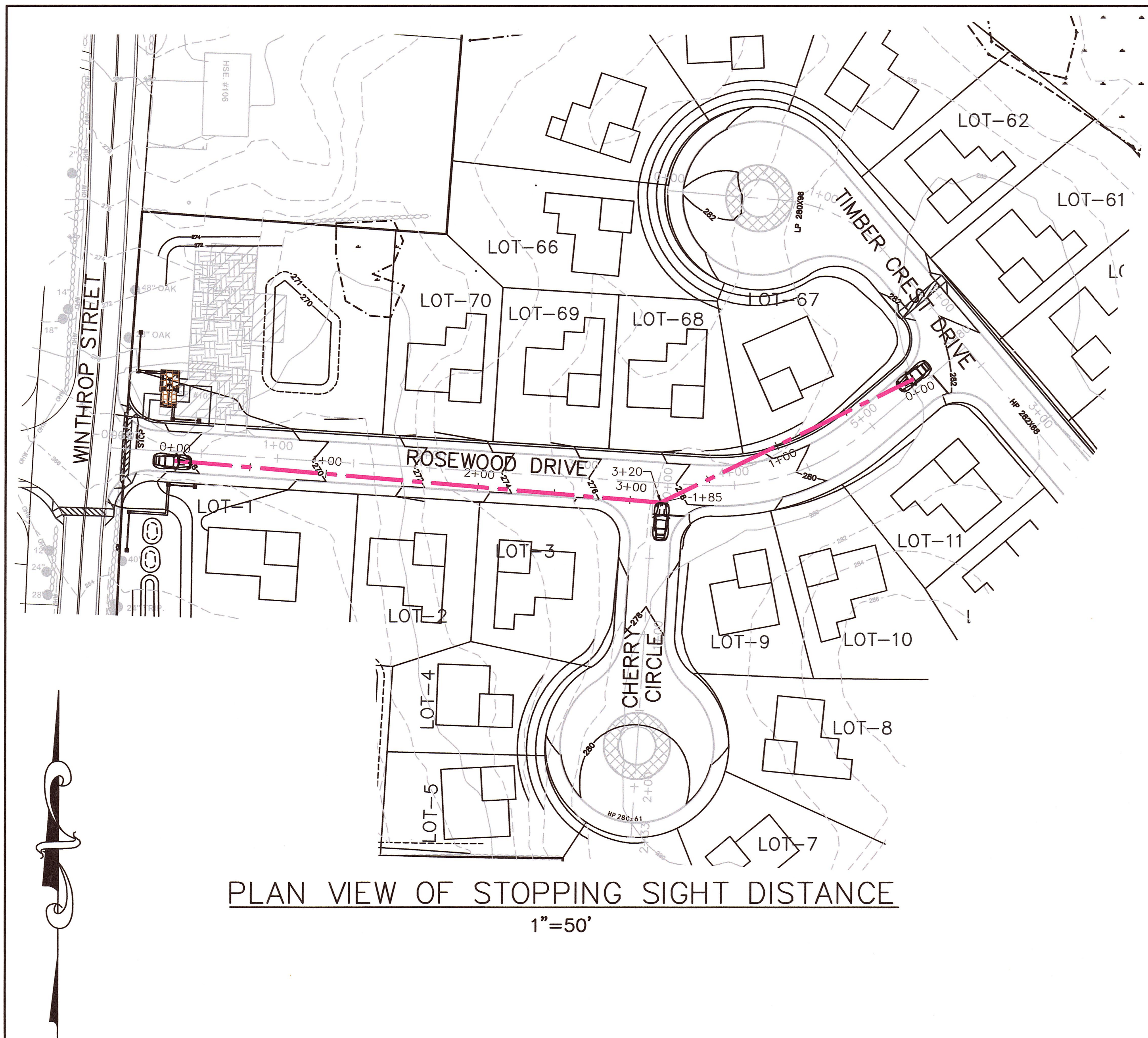
ROSEWOOD DRIVE
INTERSECTION SIGHT
DISTANCE AT
WINTHROP STREET
"TIMBER CREST
ESTATES"
IN
MEDWAY
MASSACHUSETTS

Outback Engineering
Incorporated

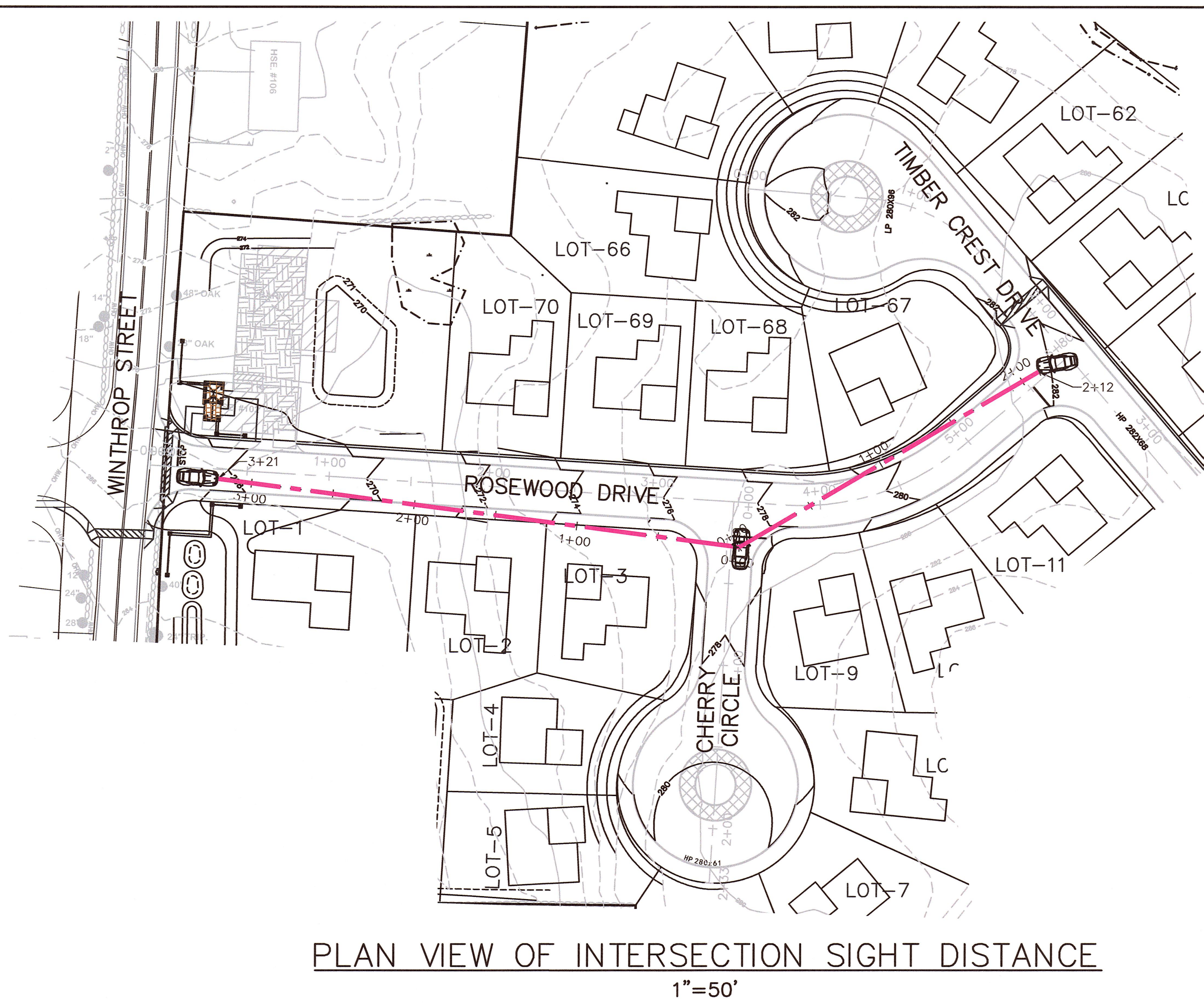
165 EAST GROVE STREET
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DATE: AUGUST 6, 2019
DRAWN BY: CJV CHECKED BY: JAP
SCALE: 1"=30' SHEET 5 OF 21

0' 30' 60' 90'
OE-2765



PLAN VIEW OF STOPPING SIGHT DISTANCE
1"=50'



PLAN VIEW OF INTERSECTION SIGHT DISTANCE
1"=50'

JAMES A. PAVLIK
CIVIL
No. 36408
REGISTERED
10-16-19

PAUL J. BABINEAU
No. 45915
REGISTERED
10-16-19

APPROVED SUBJECT TO TERMS AND
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40B OF THE MASSACHUSETTS GENERAL
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TOWN CLERK-TOWN OF MEDWAY

CHERRY CIRCLE

STOPPING
AND
INTERSECTION SIGHT
DISTANCE AT
ROSEWOOD DRIVE

"TIMBER CREST
ESTATES"
IN
MEDWAY
MASSACHUSETTS

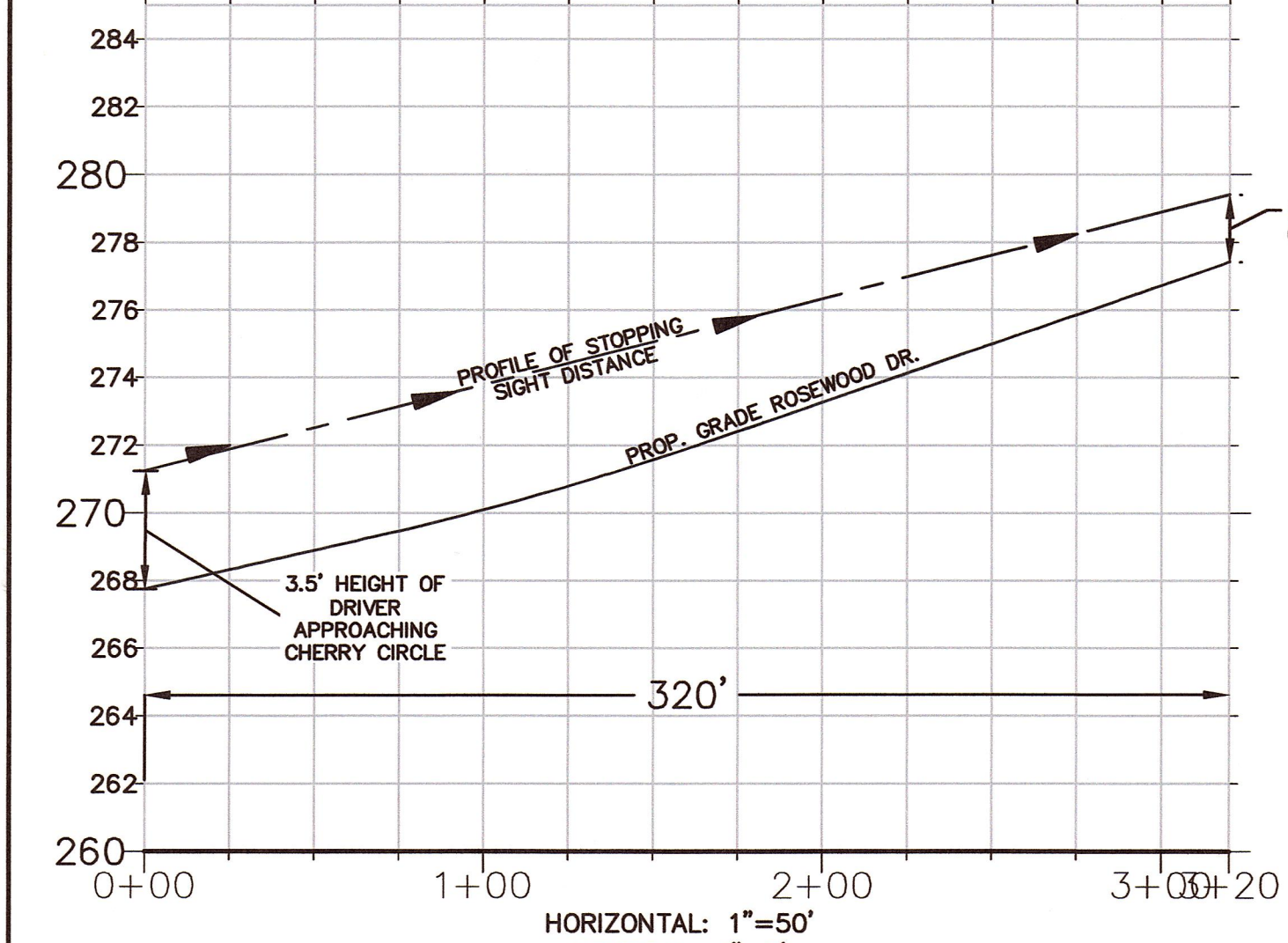
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DATE: AUGUST 6, 2019
DRAWN BY: CJV CHECKED BY: JAP
SCALE: 1"=50' SHEET 6 OF 21
0' 50' 100' 150'

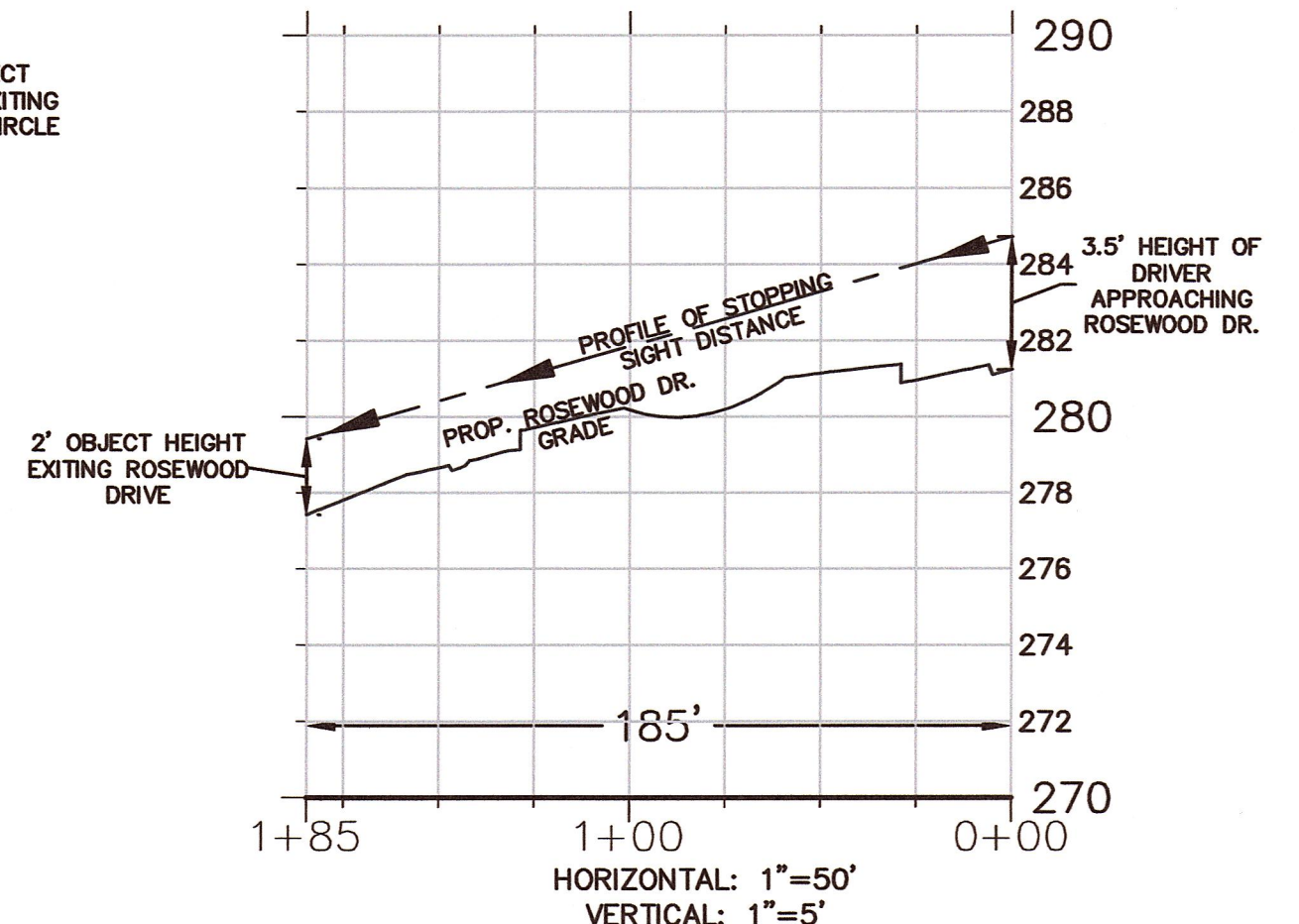
OE-2765

ROSEWOOD DRIVE STOPPING SIGHT DISTANCE
EB VEHICLE APPROACHING CHERRY CIRCLE



SSD REQUIRED BASED ON SPEED OF 20 MPH AND SLOPE OF +2.2% =115'
(30 MPH REQUIRES 200')
SSD PROVIDED >320'

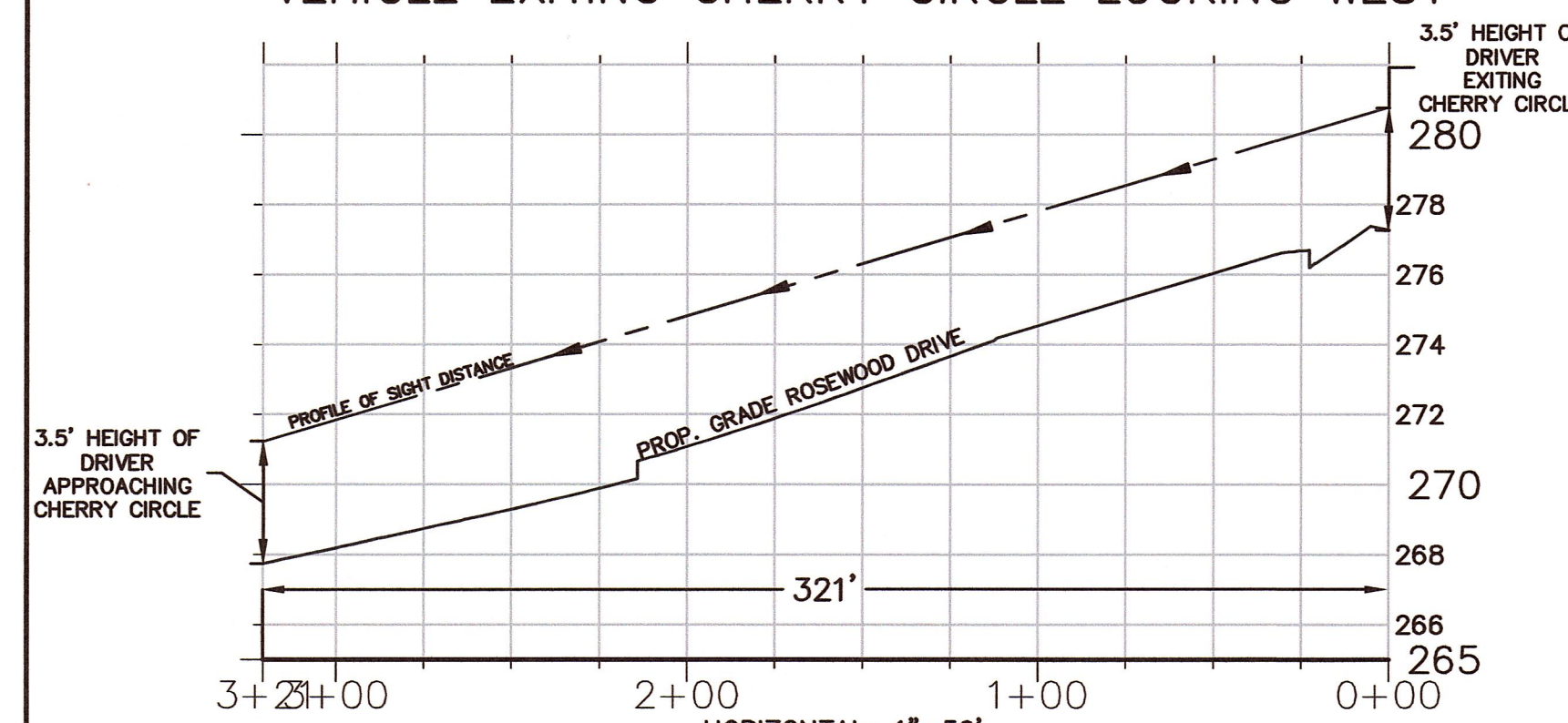
ROSEWOOD DRIVE STOPPING SIGHT DISTANCE
WB VEHICLE APPROACHING CHERRY CIRCLE



SSD REQUIRED BASED ON SPEED OF 20 MPH AND SLOPE OF -2.2% =115'
(30 MPH REQUIRES 200')
SSD PROVIDED >185'

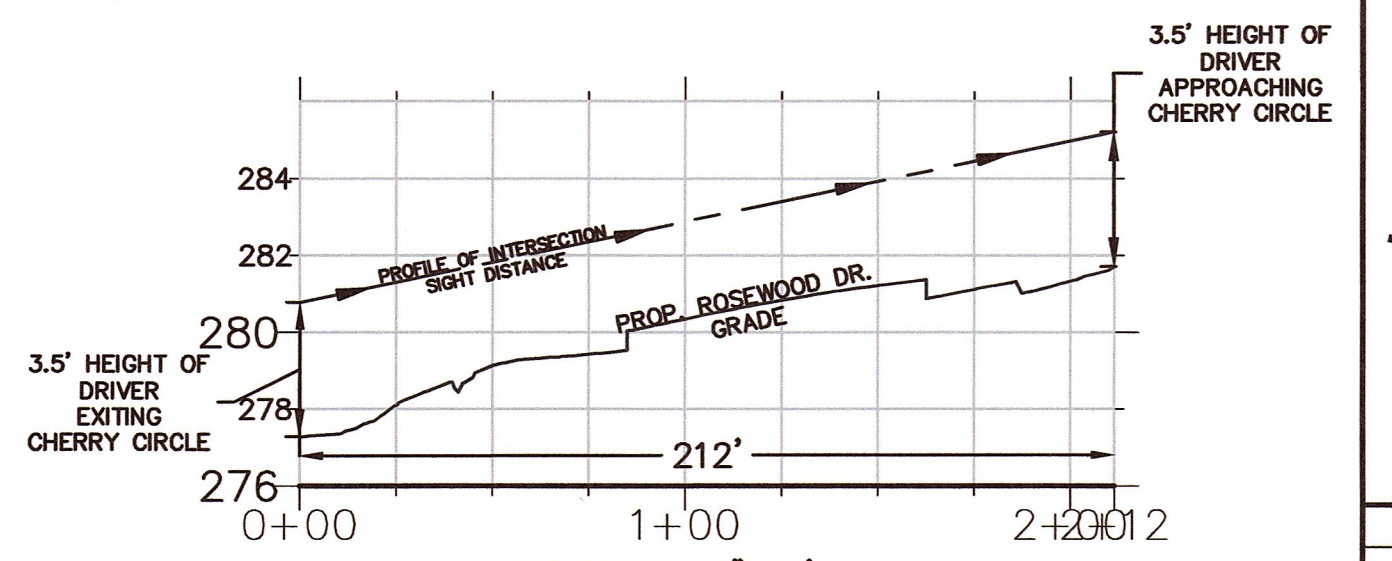
**PER AASHTO, IF THE AVAILABLE ISD MEETS OR EXCEEDS THE MINIMUM SSD
CRITERIA, THEN THERE IS ADEQUATE SAFE INTERSECTION SIGHT DISTANCE

CHERRY CIRCLE INTERSECTION SIGHT DISTANCE
VEHICLE EXITING CHERRY CIRCLE LOOKING WEST



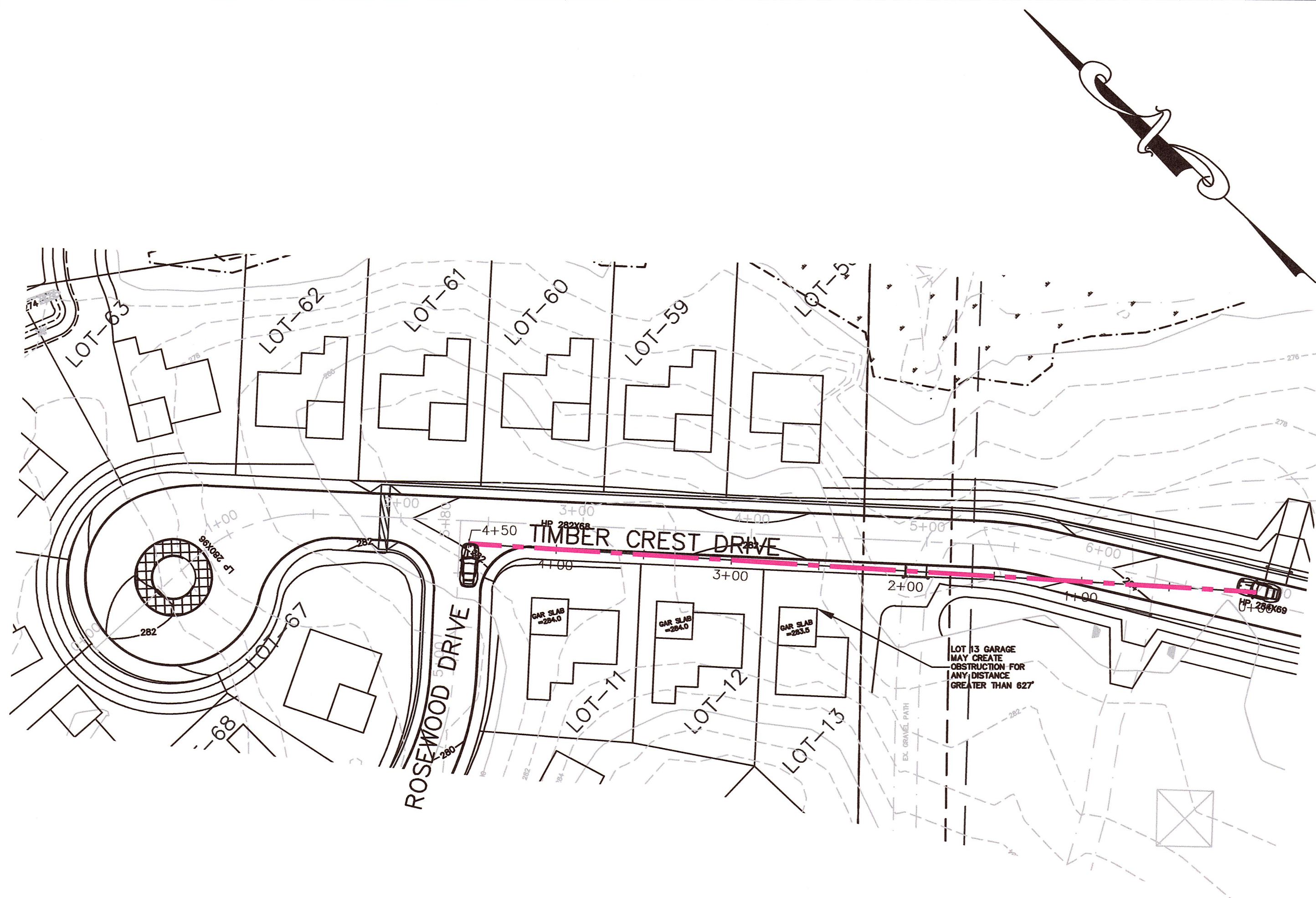
ISD REQUIRED BASED ON SPEED OF 20 MPH =115'** (30 MPH REQUIRES 200')
ISD PROVIDED >321'

CHERRY CIRCLE INTERSECTION SIGHT DISTANCE
VEHICLE EXITING CHERRY CIRCLE LOOKING EAST

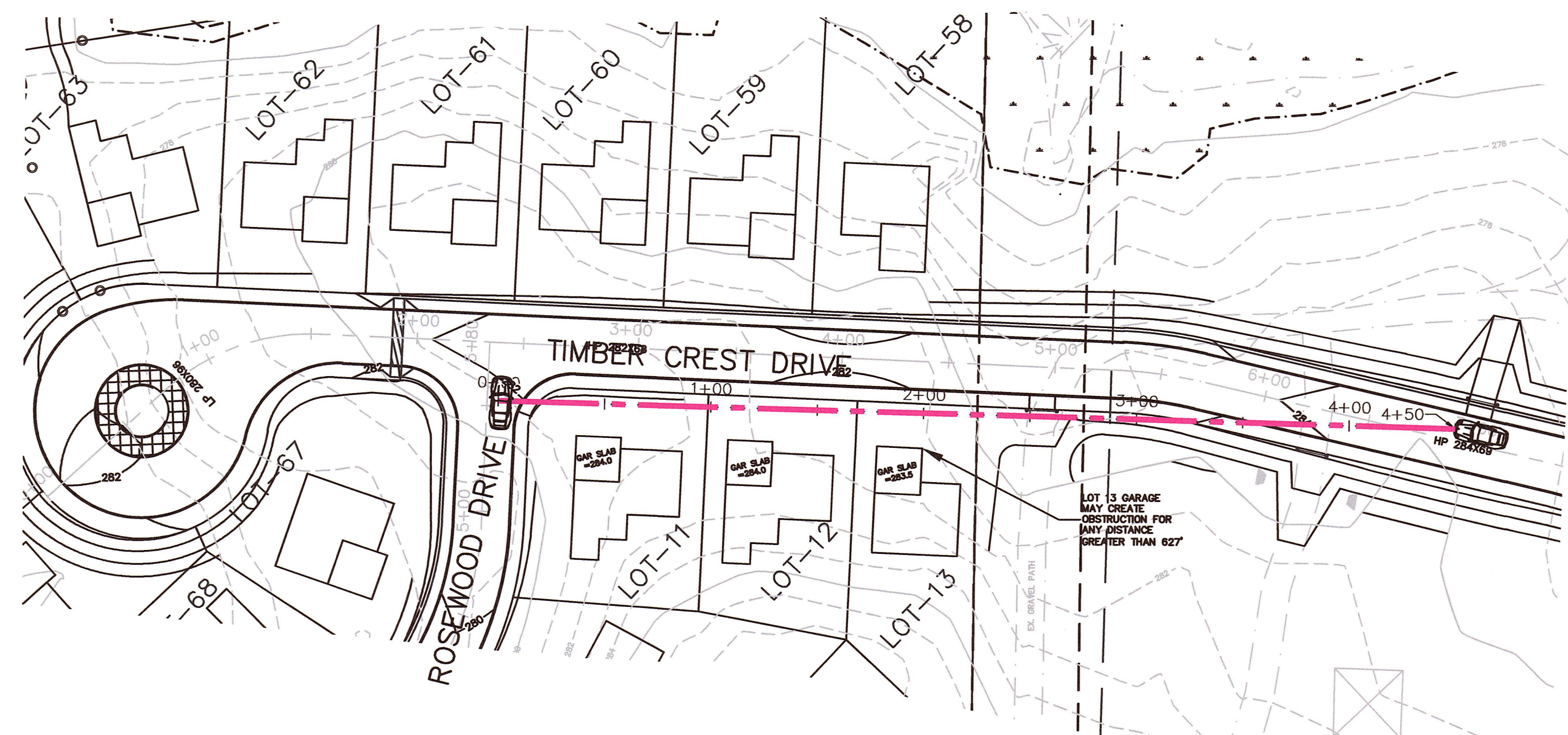


ISD REQUIRED BASED ON SPEED OF 20 MPH =115'** (30 MPH REQUIRES 200')
ISD PROVIDED =212'

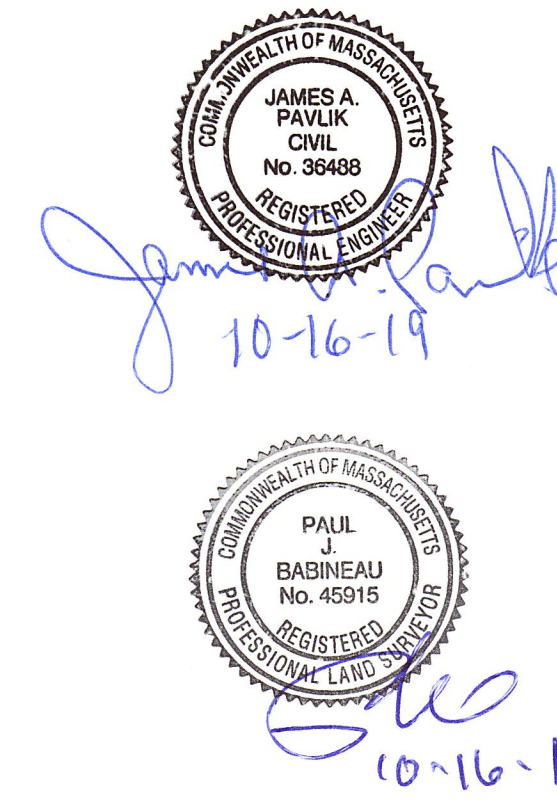
*20 MPH WAS USED BECAUSE APPROACHING VEHICLE HAS TO TURN ONTO ROSEWOOD DRIVE.



PLAN VIEW OF STOPPING SIGHT DISTANCE
1"=50'



PLAN VIEW OF INTERSECTION SIGHT DISTANCE
1"=50'



APPROVED SUBJECT TO TERMS AND CONDITIONS OF A COMPREHENSIVE PERMIT PER ZONING BOARD OF APPEALS DECISION, AS AUTHORIZED BY CHAPTER 40B OF THE MASSACHUSETTS GENERAL LAWS, SECTIONS 20-23.

DATE: _____

MEDWAY ZONING BOARD OF APPEALS

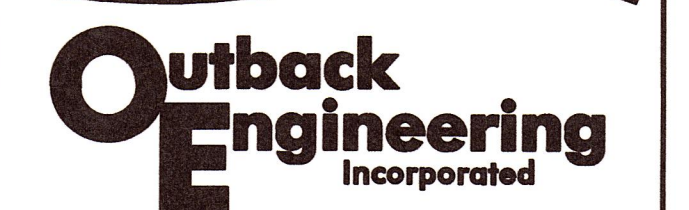
I CERTIFY THAT 20 DAYS HAVE ELAPSED SINCE ZONING BOARD APPROVAL, AND THAT NO APPEAL HAS BEEN FILED AT THIS OFFICE.

TOWN CLERK—TOWN OF MEDWAY

ROSEWOOD DRIVE

STOPPING
AND
INTERSECTION SIGHT
DISTANCE AT TIMBER
CREST DRIVE

"TIMBER CREST
ESTATES"
IN
MEDWAY
MASSACHUSETTS



165 EAST GROVE STREET
MIDDLEBOROUGH, MA 02346
TEL: (508) 946-9231
FAX: (508) 947-8873
www.outback-eng.com

DATE: AUGUST 6, 2019

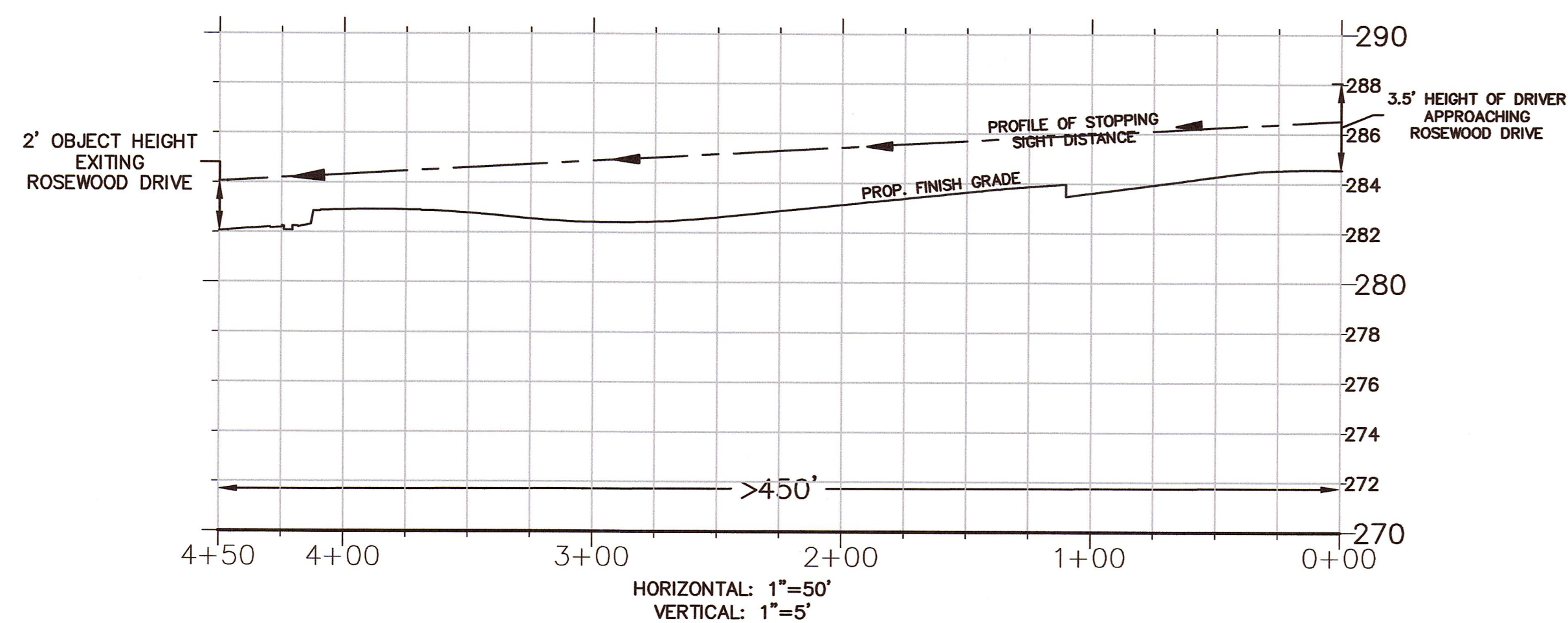
DRAWN BY: CJV CHECKED BY: JAP

SCALE: 1"=50' SHEET 7 OF 21

0' 50' 100' 150'

OE-2765

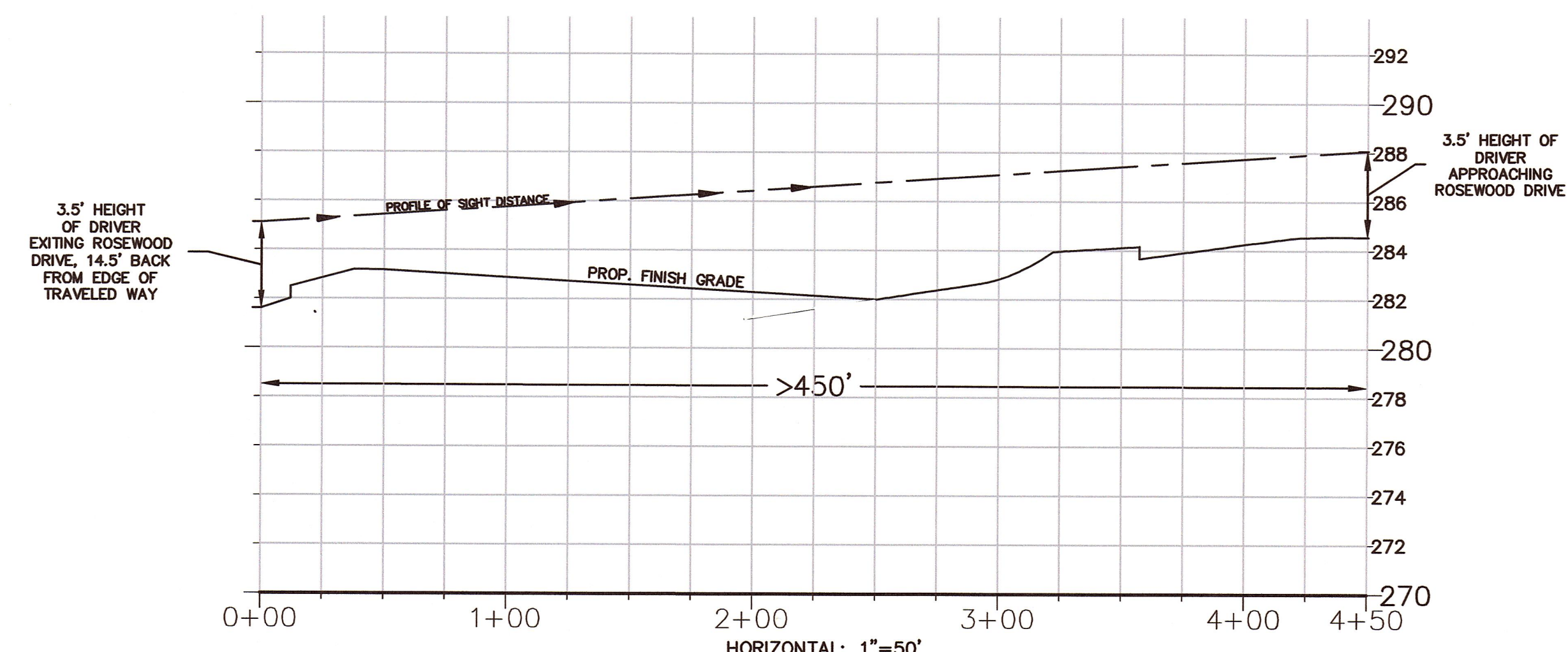
TIMBER CREST DRIVE STOPPING SIGHT DISTANCE NB VEHICLE APPROACHING ROSEWOOD DRIVE



SSD REQUIRED BASED ON SPEED OF 30 MPH AND SLOPE OF -1.0% =200'
SSD PROVIDED >450'

NOTE: NO SSD PROFILE IS PROVIDED FOR VEHICLE APPROACHING ROSEWOOD DRIVE FROM THE CUL DE SAC BECAUSE THERE IS A CLEAR VIEW OF CUL DE SAC 220' AWAY.

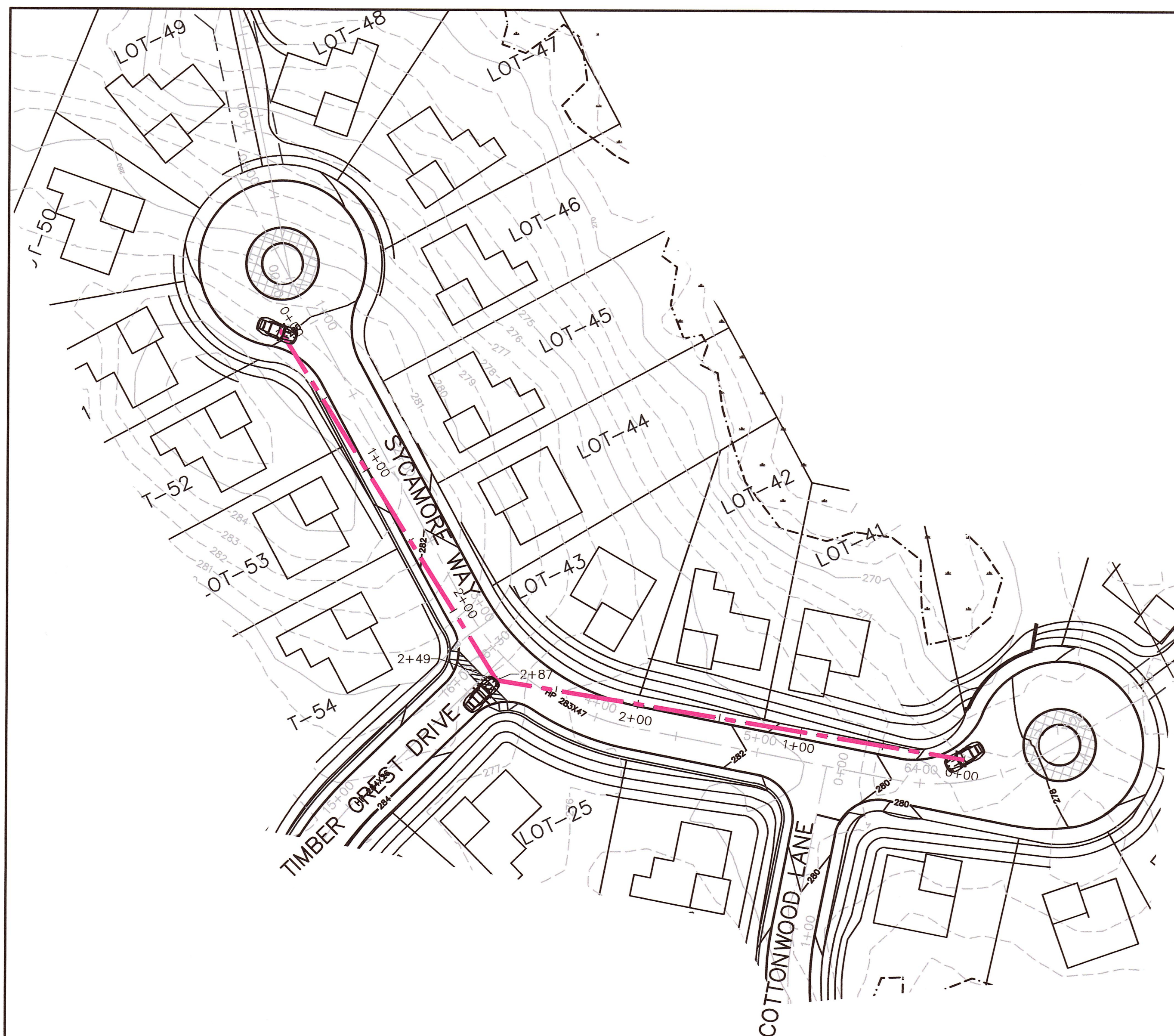
TIMBER CREST DRIVE INTERSECTION SIGHT DISTANCE VEHICLE EXITING ROSEWOOD DRIVE LOOKING SOUTHEAST



ISD REQUIRED BASED ON SPEED OF 30 MPH =200'*
ISD PROVIDED >450'

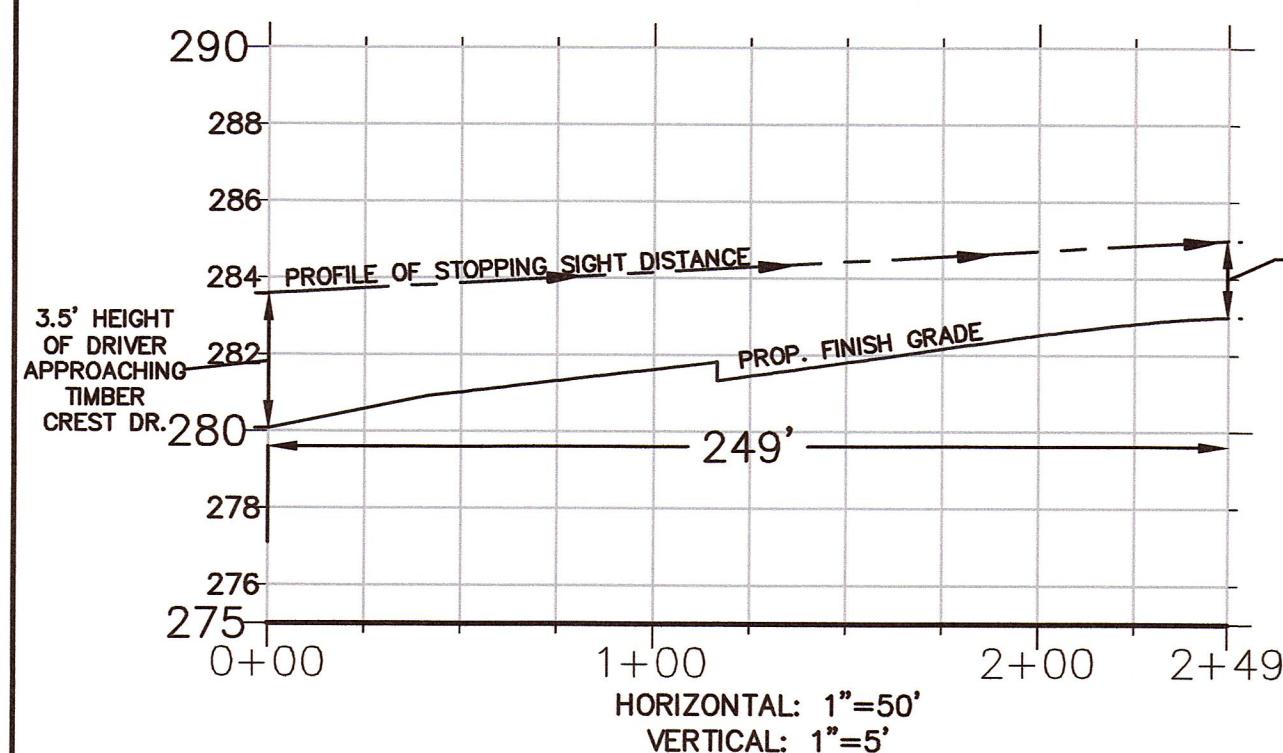
*PER AASHTO, IF THE AVAILABLE ISD MEETS OR EXCEEDS THE MINIMUM SSD CRITERIA, THEN THERE IS ADEQUATE SAFE INTERSECTION SIGHT DISTANCE

NOTE: NO ISD PROFILE IS PROVIDED FOR VEHICLE APPROACHING ROSEWOOD DRIVE FROM THE CUL DE SAC BECAUSE THERE IS A CLEAR VIEW OF CUL DE SAC 220' AWAY.



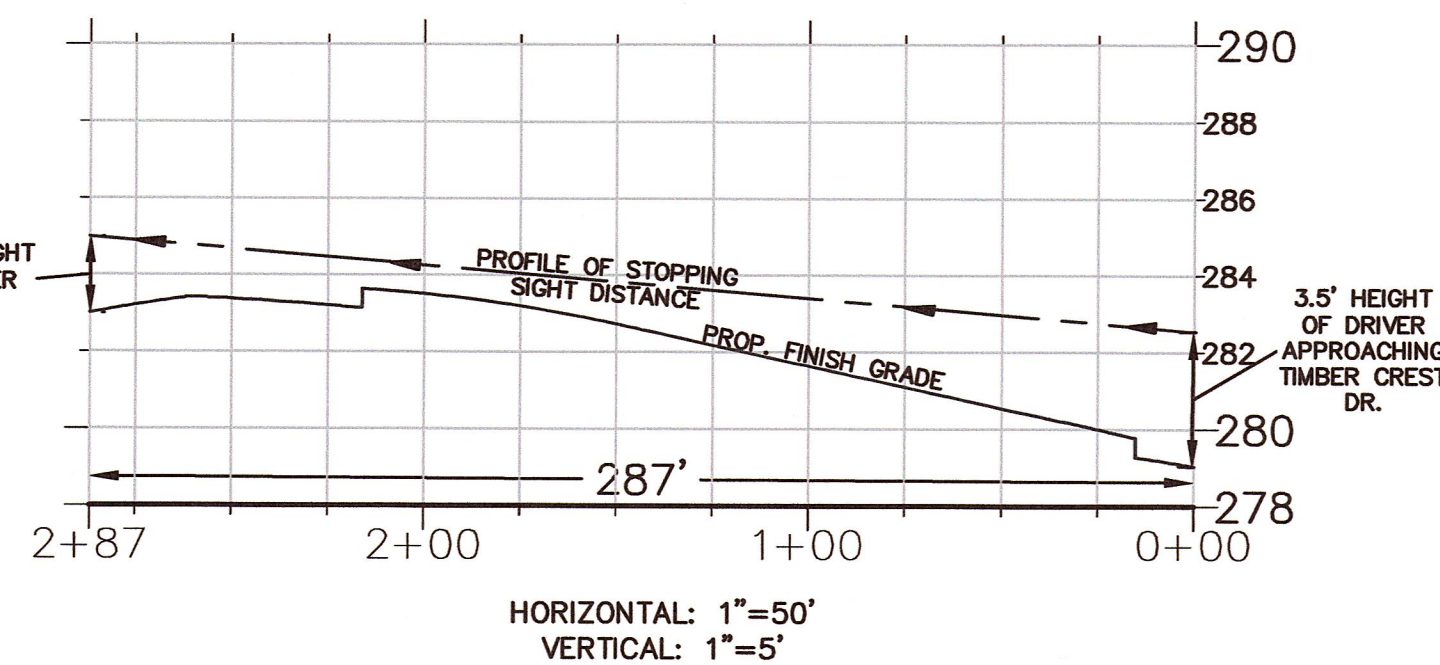
PLAN VIEW OF STOPPING SIGHT DISTANCE
1"=50'

SYCAMORE WAY STOPPING SIGHT DISTANCE
SB VEHICLE APPROACHING TIMBER CREST DRIVE

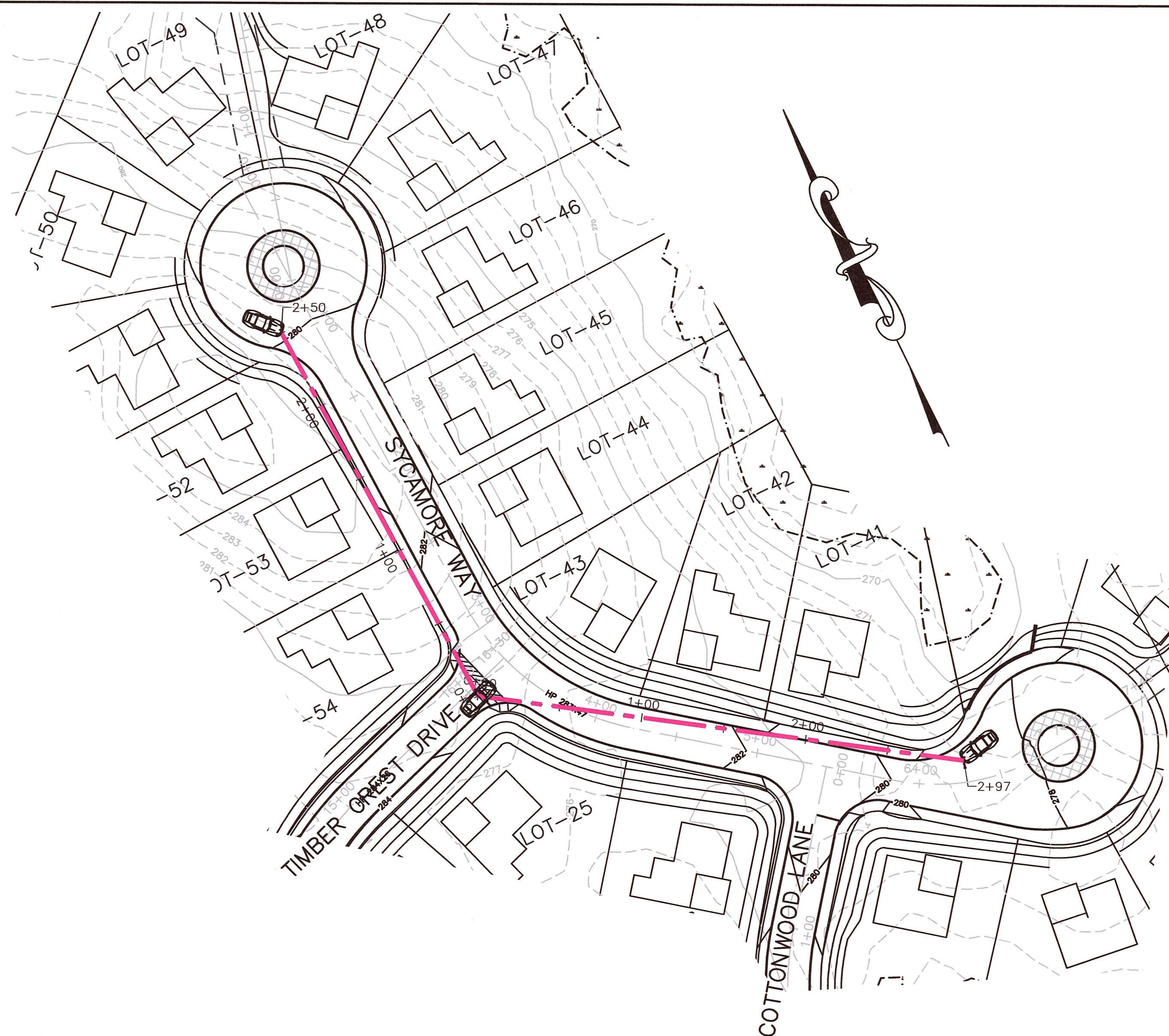


SSD REQUIRED BASED ON SPEED OF 30 MPH AND SLOPE OF 1.3% =200'
SSD PROVIDED >249'

SYCAMORE WAY STOPPING SIGHT DISTANCE
WB VEHICLE APPROACHING TIMBER CREST DRIVE



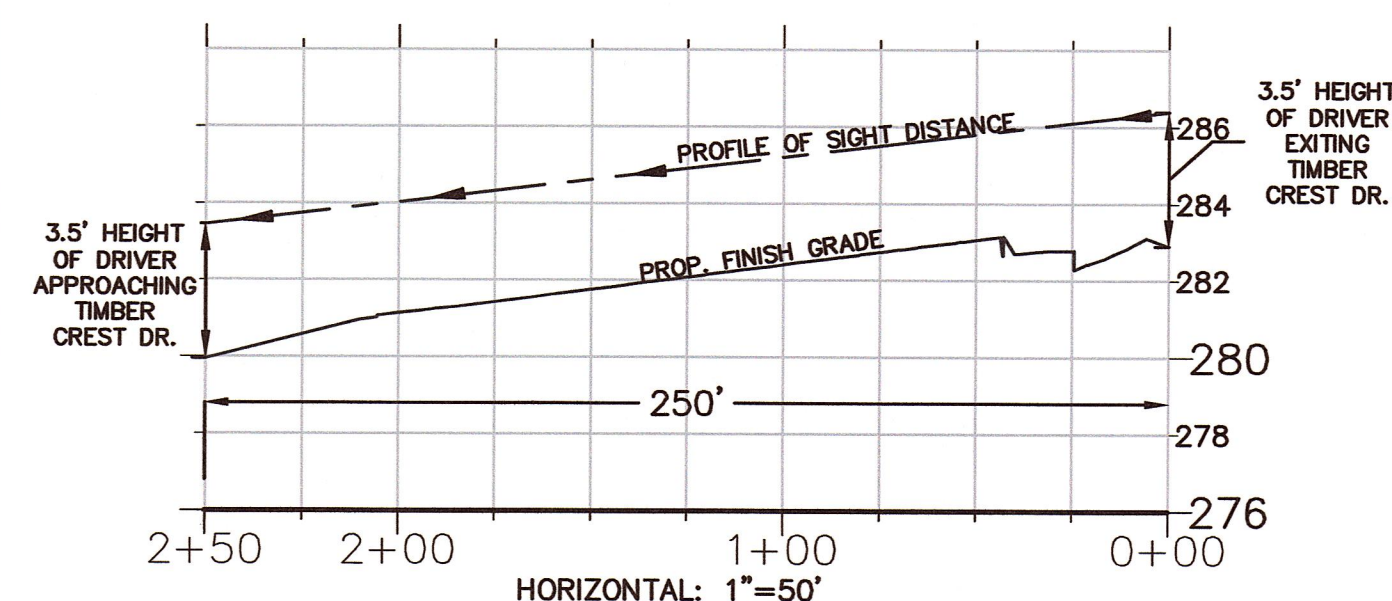
SSD REQUIRED BASED ON SPEED OF 30 MPH AND SLOPE OF 2.2% =200'
SSD PROVIDED >287'



PLAN VIEW OF INTERSECTION SIGHT DISTANCE
1"=50'

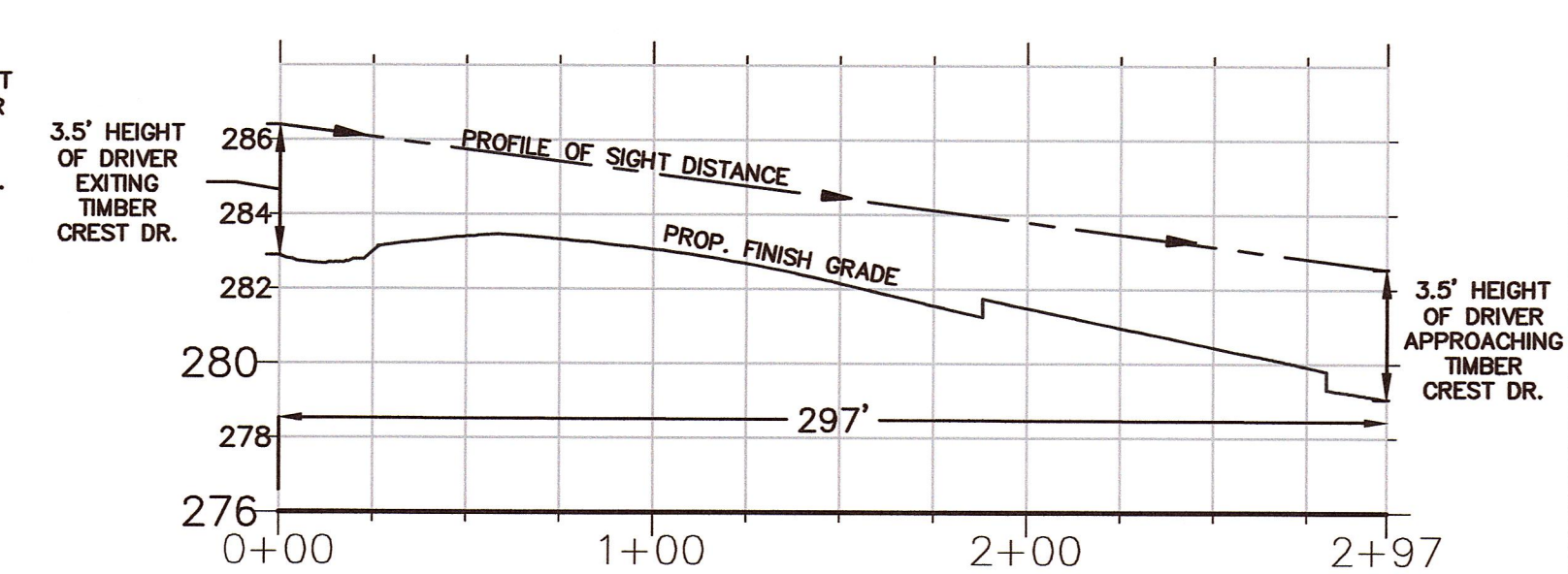
*PER AASHTO, IF THE AVAILABLE ISD MEETS OR EXCEEDS THE MINIMUM SSD
CRITERIA, THEN THERE IS ADEQUATE SAFE INTERSECTION SIGHT DISTANCE

TIMBER CREST DRIVE INTERSECTION SIGHT DISTANCE
VEHICLE EXITING TIMBER CREST DRIVE LOOKING NORTH

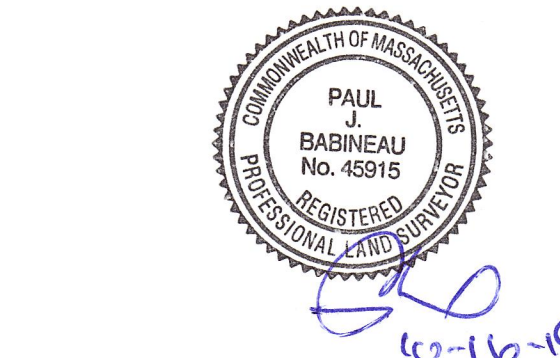
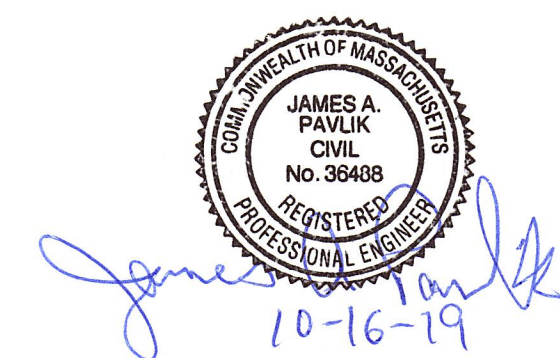


ISD REQUIRED BASED ON SPEED OF 30 MPH =200'
ISD PROVIDED >250'

TIMBER CREST DRIVE INTERSECTION SIGHT DISTANCE
VEHICLE EXITING TIMBER CREST DRIVE LOOKING EAST



ISD REQUIRED BASED ON SPEED OF 30 MPH =200'
ISD PROVIDED >297'



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DATE: _____

MEDWAY ZONING BOARD OF APPEALS

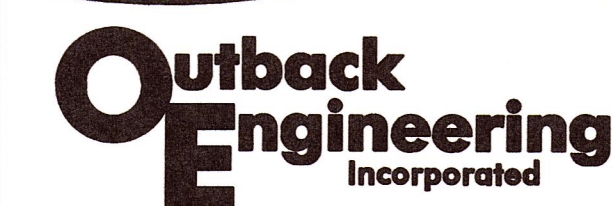
I CERTIFY THAT 20 DAYS HAVE
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HAS BEEN FILED AT THIS OFFICE.

TOWN CLERK-TOWN OF MEDWAY

TIMBER CREST DRIVE

**STOPPING
AND
INTERSECTION SIGHT
DISTANCE AT
SYCAMORE WAY**

**"TIMBER CREST
ESTATES"
IN
MEDWAY
MASSACHUSETTS**



165 EAST GROVE STREET
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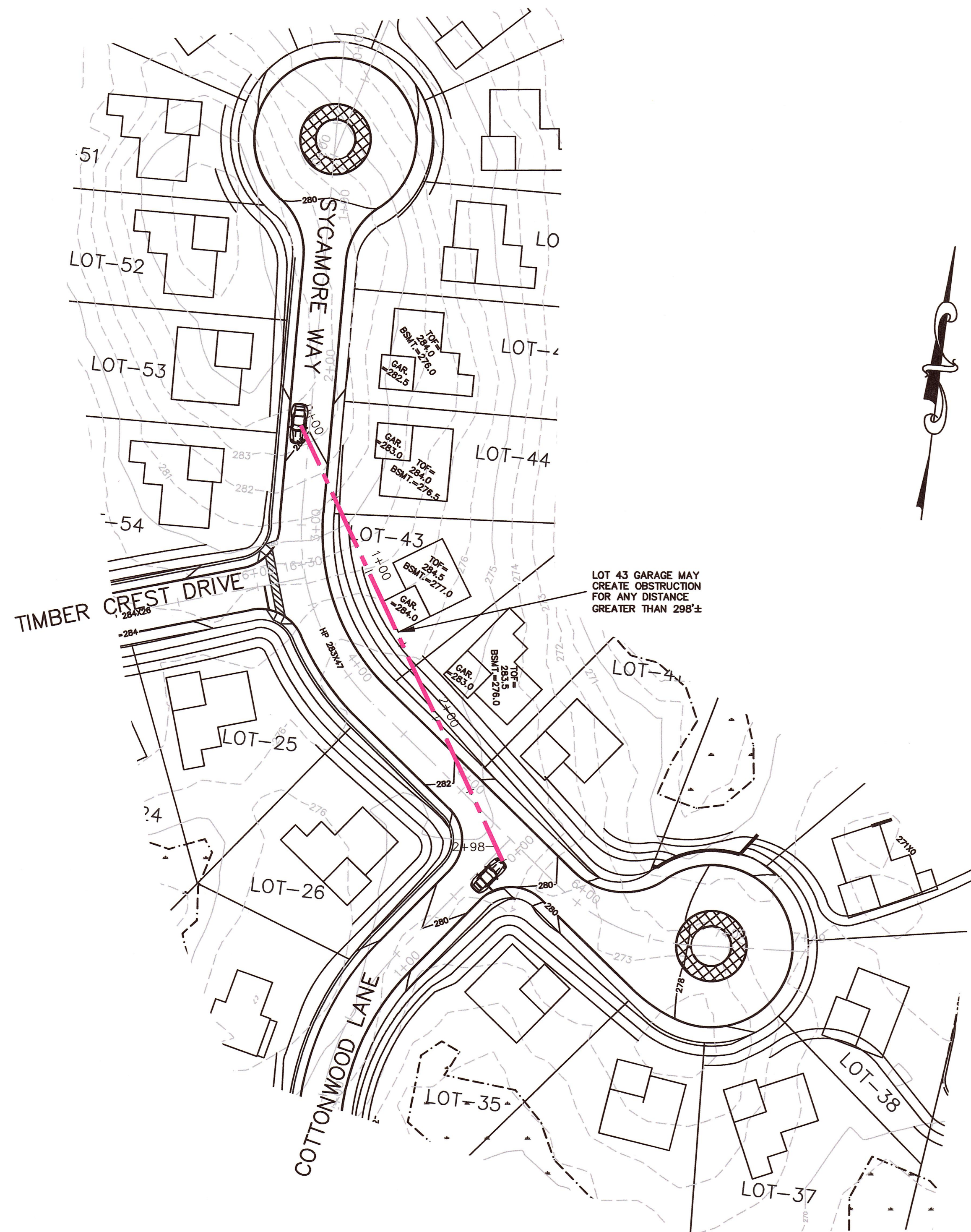
DATE: AUGUST 6, 2019

DRAWN BY: CJV CHECKED BY: JAP

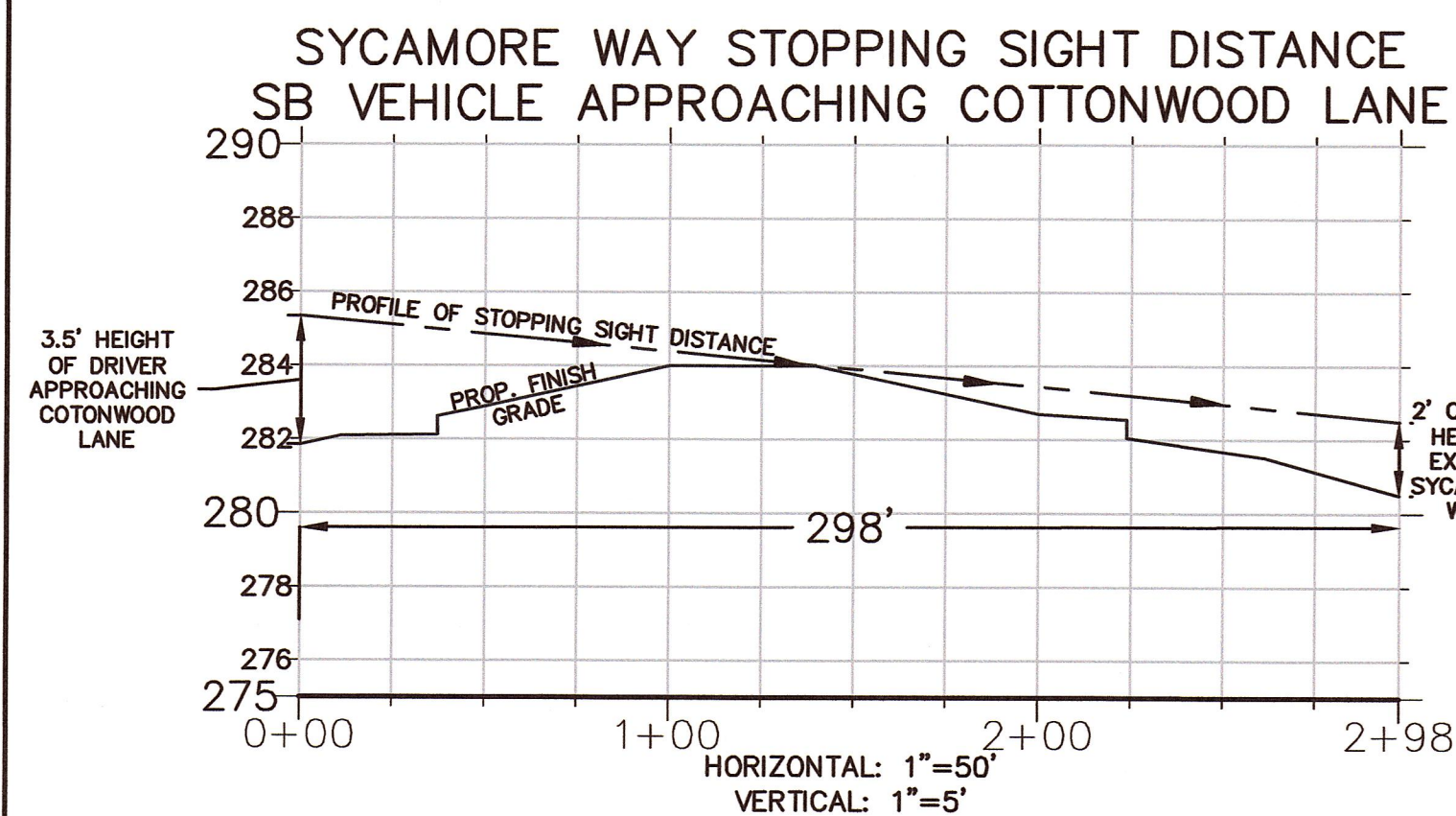
SCALE: 1"=50' SHEET 8 OF 21

0' 50' 100' 150'

OE-2765



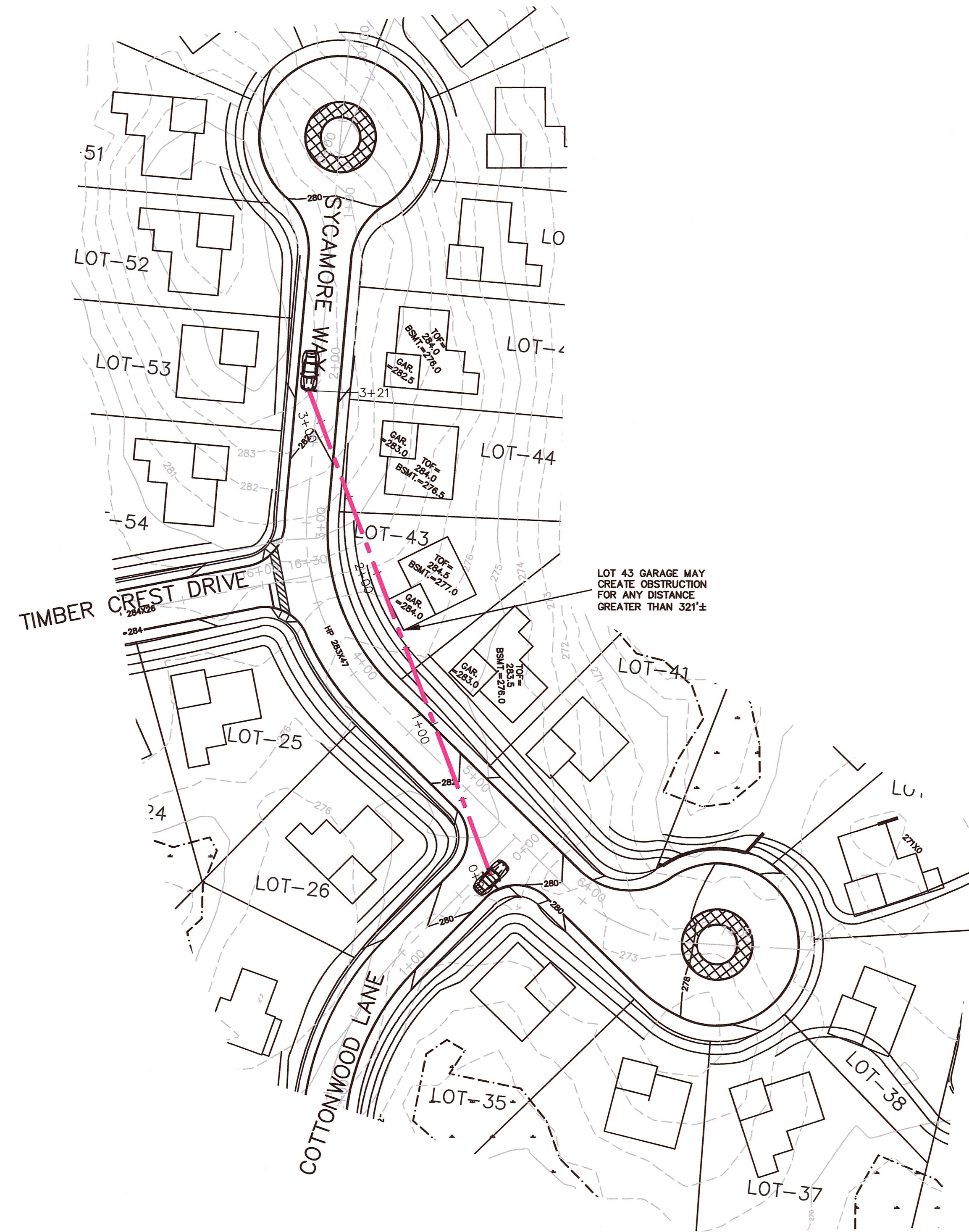
PLAN VIEW OF STOPPING SIGHT DISTANCE
1"=50'



SYCAMORE WAY STOPPING SIGHT DISTANCE
WB VEHICLE APPROACHING COTTONWOOD LANE

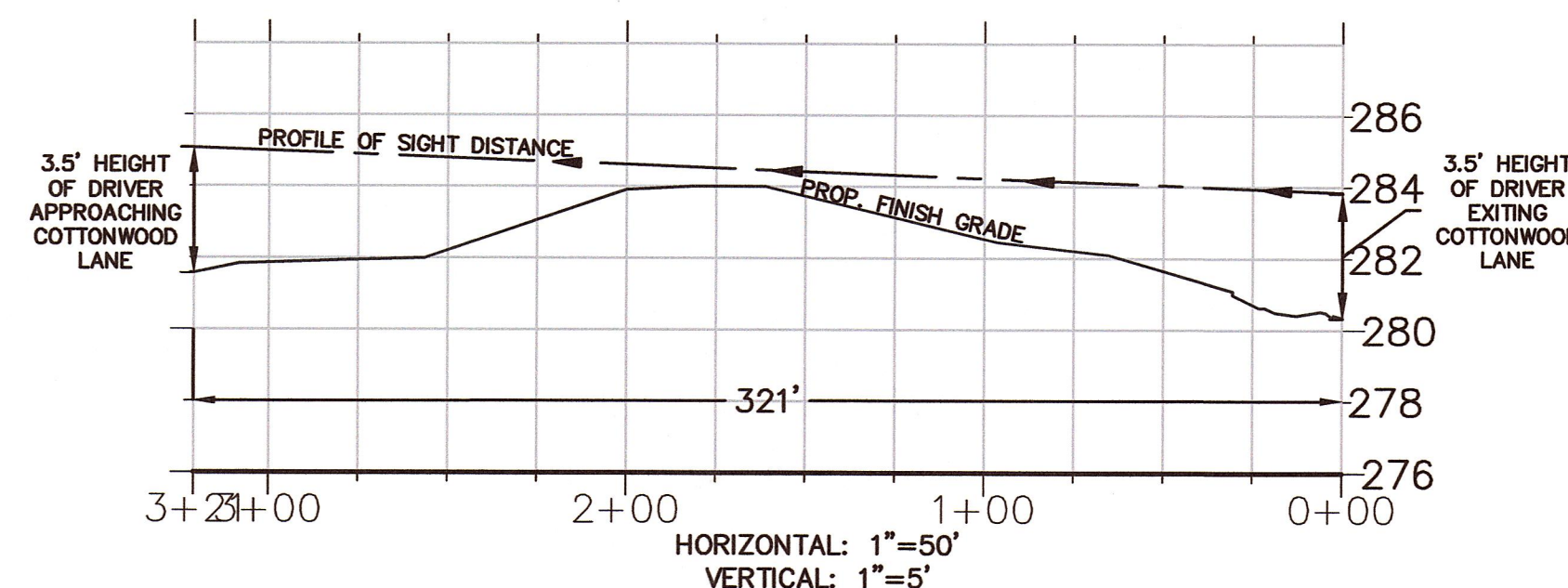
NOTE: NO SSD PROFILE IS PROVIDED FOR VEHICLE APPROACHING COTTONWOOD LANE FROM THE CUL DE SAC BECAUSE THERE IS A CLEAR VIEW OF CUL DE SAC. VISIBLE DISTANCE FROM SYCAMORE WAY AT END CUL DE SAC TO COTTONWOOD LANE=185'±

SSD REQUIRED BASED ON SPEED OF 30 MPH AND AVG SLOPE OF 1.8% =200'
SSD PROVIDED =298'



PLAN VIEW OF INTERSECTION SIGHT DISTANCE
1"=50'

INTERSECTION SIGHT DISTANCE
VEHICLE EXITING COTTONWOOD LANE LOOKING NORTH

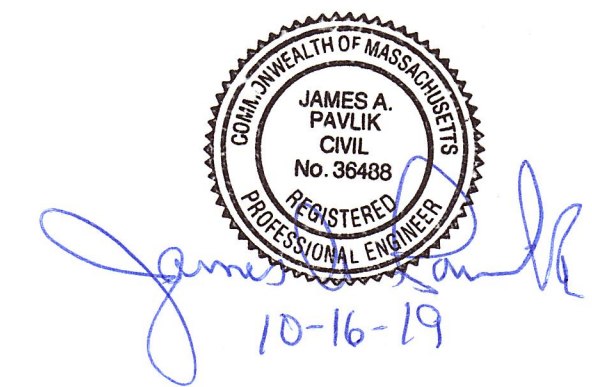


ISD REQUIRED BASED ON SPEED OF 30 MPH =200'*
ISD PROVIDED =321'*

INTERSECTION SIGHT DISTANCE VEHICLE EXITING
COTTONWOOD LANE LOOKING EAST

NOTE: NO ISD PROFILE IS PROVIDED FOR VEHICLE APPROACHING COTTONWOOD LANE FROM THE CUL DE SAC BECAUSE THERE IS A CLEAR VIEW OF CUL DE SAC. VISIBLE DISTANCE FROM COTTONWOOD LANE TO END OF SYCAMORE WAY CUL DE SAC=195'

*PER AASHTO, IF THE AVAILABLE ISD MEETS OR EXCEEDS THE MINIMUM SSD CRITERIA, THEN THERE IS ADEQUATE SAFE INTERSECTION SIGHT DISTANCE



APPROVED SUBJECT TO TERMS AND CONDITIONS OF A COMPREHENSIVE PERMIT PER ZONING BOARD OF APPEALS DECISION, AS AUTHORIZED BY CHAPTER 40B OF THE MASSACHUSETTS GENERAL LAWS, SECTIONS 20-23.

DATE: _____

MEDWAY ZONING BOARD OF APPEALS

I CERTIFY THAT 20 DAYS HAVE ELAPSED SINCE ZONING BOARD APPROVAL, AND THAT NO APPEAL HAS BEEN FILED AT THIS OFFICE.

TOWN CLERK-TOWN OF MEDWAY

COTTONWOOD LANE

STOPPING
AND
INTERSECTION SIGHT
DISTANCE AT
SYCAMORE WAY

"TIMBER CREST
ESTATES"
IN
MEDWAY
MASSACHUSETTS

Outback Engineering
Incorporated

165 EAST GROVE STREET
MIDDLEBOROUGH, MA 02346
TEL: (508)-946-9231
FAX: (508)-947-8873
www.outback-eng.com

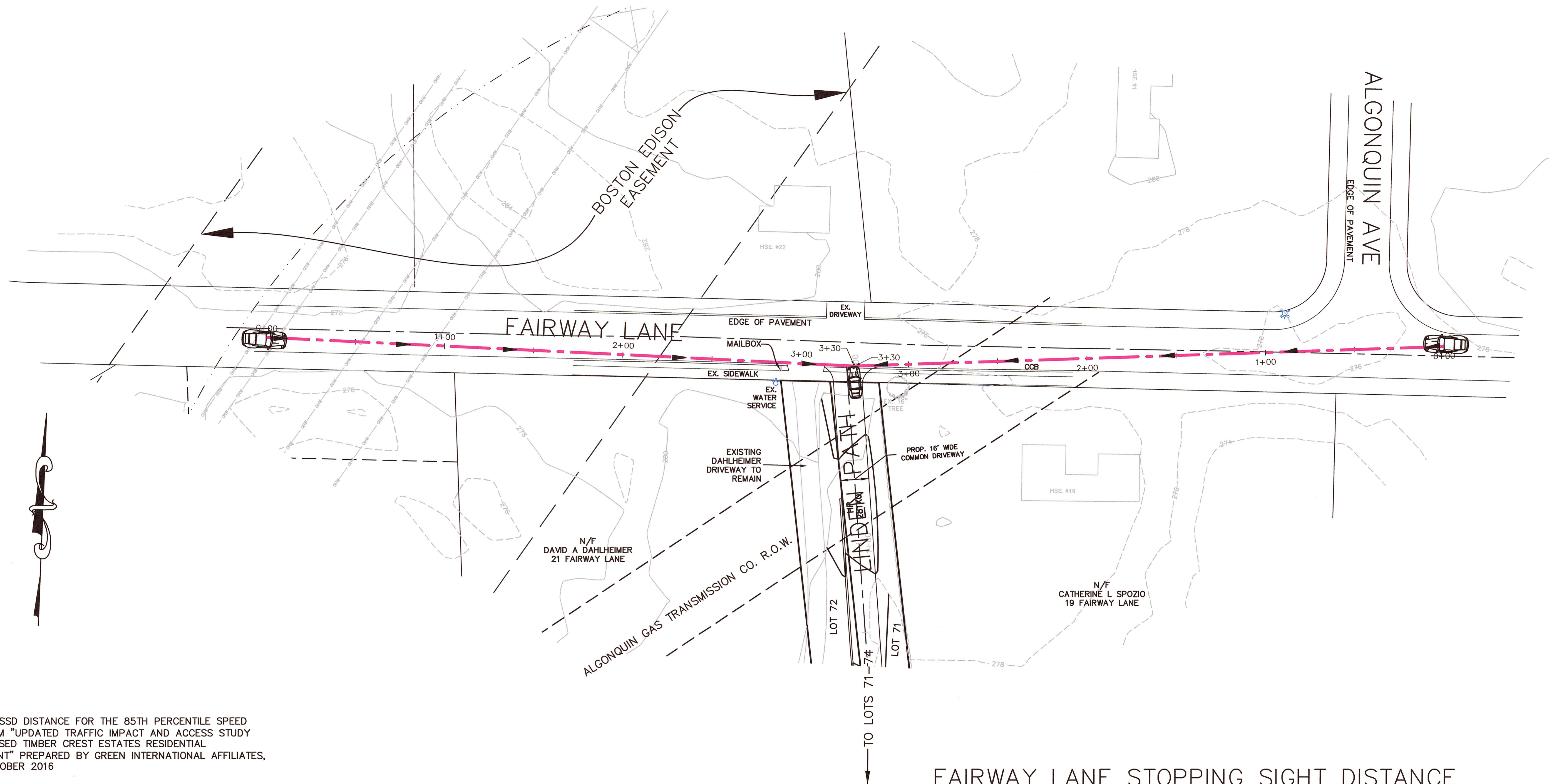
DATE: AUGUST 6, 2019

DRAWN BY: CJV CHECKED BY: JAP

SCALE: 1"=50' SHEET 9 OF 21

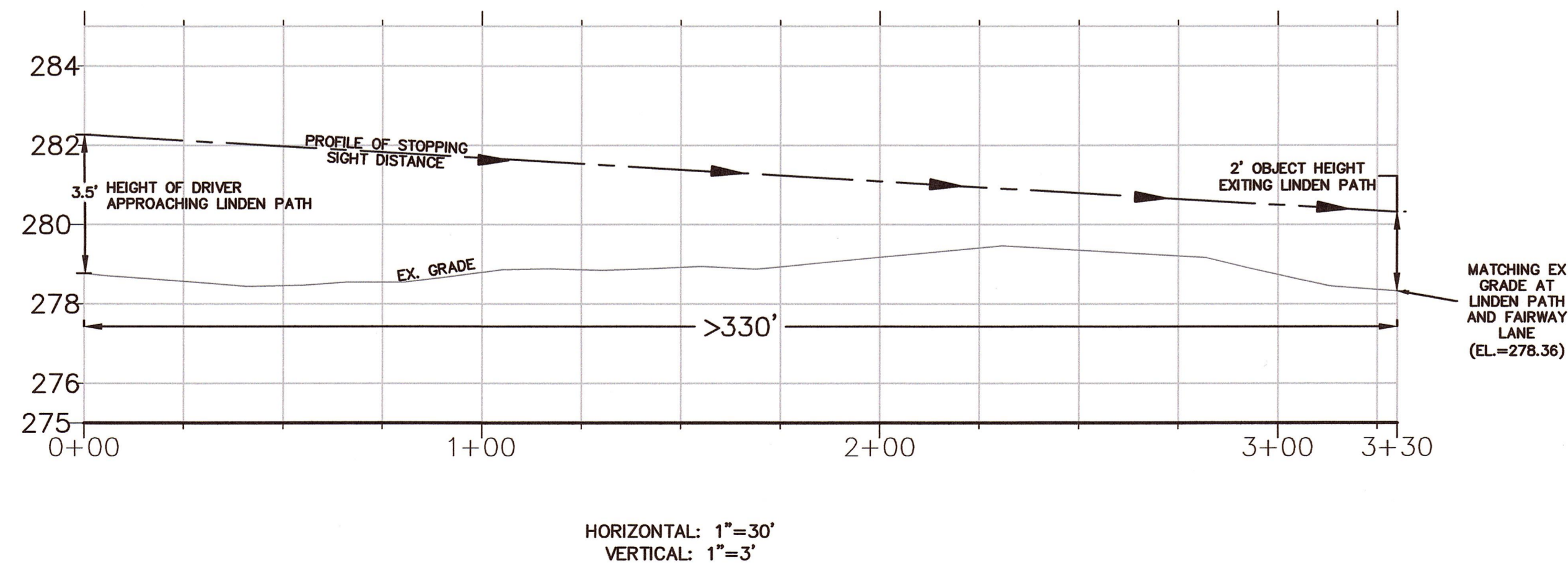
0' 50' 100' 150'

OE-2765



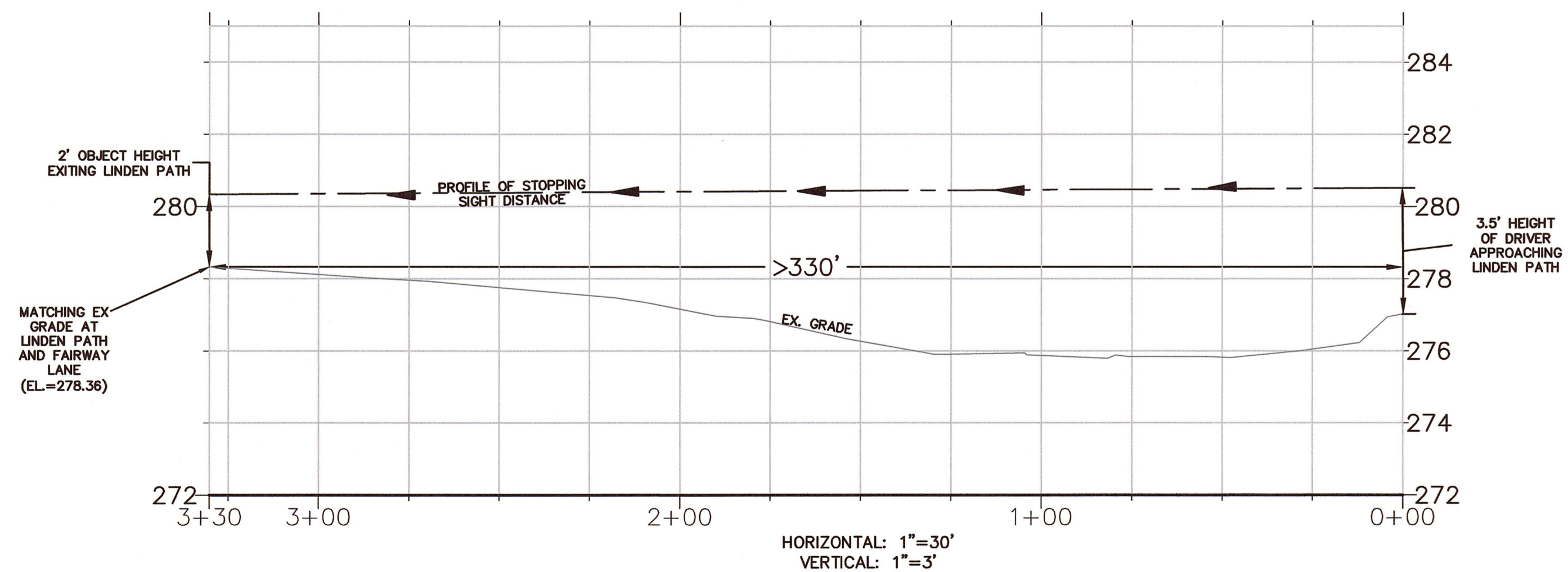
*REQUIRED SSD DISTANCE FOR THE 85TH PERCENTILE SPEED
 TAKEN FROM "UPDATED TRAFFIC IMPACT AND ACCESS STUDY
 FOR PROPOSED TIMBER CREST ESTATES RESIDENTIAL
 DEVELOPMENT" PREPARED BY GREEN INTERNATIONAL AFFILIATES,
 INC. IN OCTOBER 2016

FAIRWAY LANE STOPPING SIGHT DISTANCE EB VEHICLE APPROACHING LINDEN PATH



SSD REQUIRED BASED ON 85TH PERCENTILE SPEED OF 35 MPH =250'*
 SSD PROVIDED >330'

FAIRWAY LANE STOPPING SIGHT DISTANCE WB VEHICLE APPROACHING LINDEN PATH



SSD REQUIRED BASED ON 85TH PERCENTILE SPEED OF 35 MPH =250'*
 SSD PROVIDED >330'

James A. Pavlik
 10-16-19

Paul J. Babineau
 10-16-19

APPROVED SUBJECT TO TERMS AND
 CONDITIONS OF A COMPREHENSIVE
 PERMIT PER ZONING BOARD OF APPEALS
 DECISION, AS AUTHORIZED BY CHAPTER
 40B OF THE MASSACHUSETTS GENERAL
 LAWS, SECTIONS 20-23.

DATE: _____

MEDWAY ZONING BOARD OF APPEALS

I CERTIFY THAT 20 DAYS HAVE
 ELAPSED SINCE ZONING BOARD
 APPROVAL, AND THAT NO APPEAL
 HAS BEEN FILED AT THIS OFFICE.

TOWN CLERK-TOWN OF MEDWAY

LINDEN PATH

STOPPING SIGHT
 DISTANCE

"KINGSBURY VILLAGE"
 IN
 MEDWAY
 MASSACHUSETTS

Outback Engineering
 Incorporated

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DATE: AUGUST 6, 2019

DRAWN BY: CJV CHECKED BY: JAP

SCALE: 1"=30' SHEET 10 OF 21

0' 30' 60' 90'

OE-2765