

RESERVOIR ROAD SURVEY FOR REGENTS SCHOOL

SAMUEL MILLER DISTRICT, COUNTY OF ALBEMARLE, VIRGINIA

NARRATIVE

The purpose of this plan is to propose improvements to the vertical geometry of Reservoir Road in order to accommodate the increased traffic produced by the newly proposed 'Regent's School' development.

- Improvements include;
- Regrading of the roadway where vertical sight distance is inadequate.
 - Clearing of land where horizontal sight distance is inadequate.
 - Addition of a 4-ft shoulder on the South side of the travelway.
 - Addition of a drainage ditch on the North side of the travelway.

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- C5 - SIGHT DISTANCE DETAILS
- C6 - SIGHT DISTANCE DETAILS

SOURCE OF BOUNDARY & TOPO

Plot and topography with two (2) foot contours by Dewberry Engineers LLC
Provided on 07/13/2018

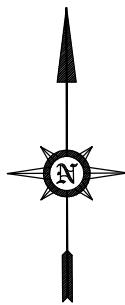
TRIP GENERATION

Scenario	Land Use	Code	Unit (Students)	Weekday	AM TOTAL	AM IN	AM OUT	PM TOTAL	PM IN	PM OUT
2028 (230)	Private K-	12	230	570	186	113	73	133	56	77
2038 (460)	Private K-	12	460	1141	373	227	146	267	112	155

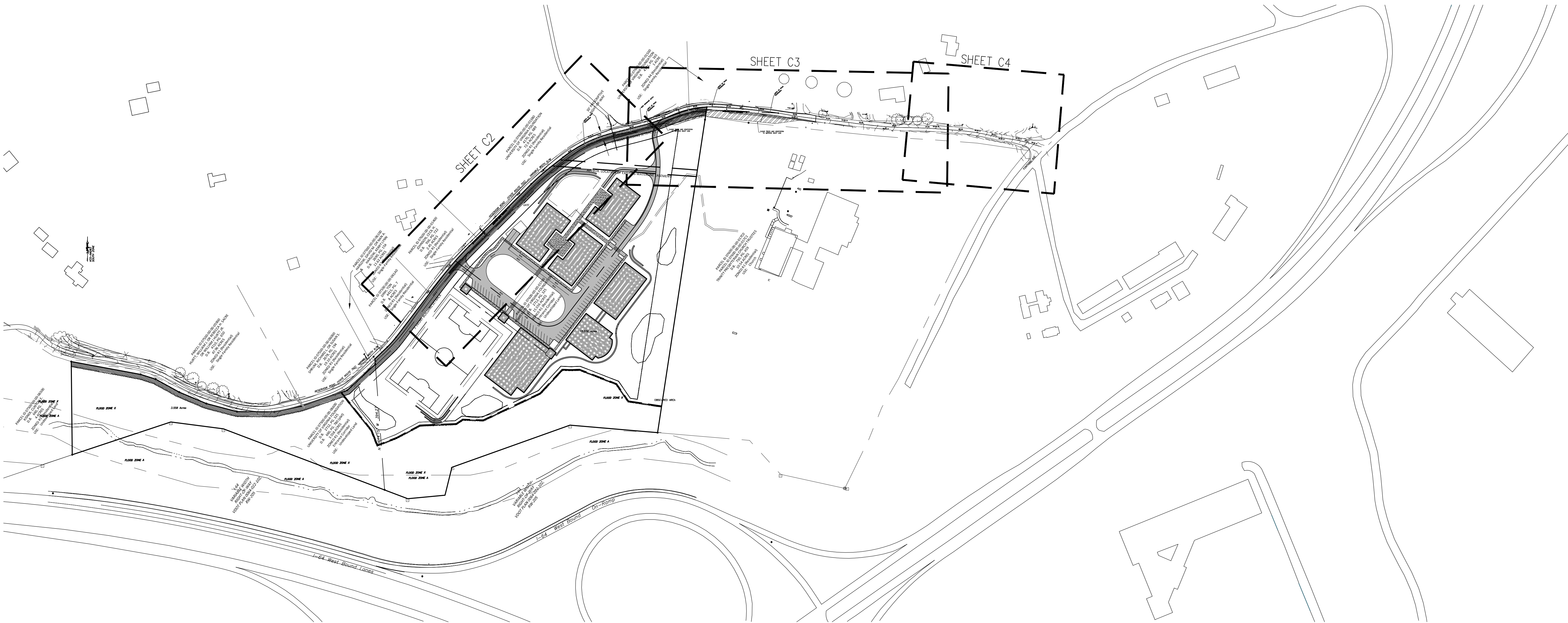
VICINITY MAP SCALE: 1"=1,000'



IMAGE PROVIDED BY GOOGLE MAPS



SHIMP ENGINEERING, P.C.
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COVER SHEET

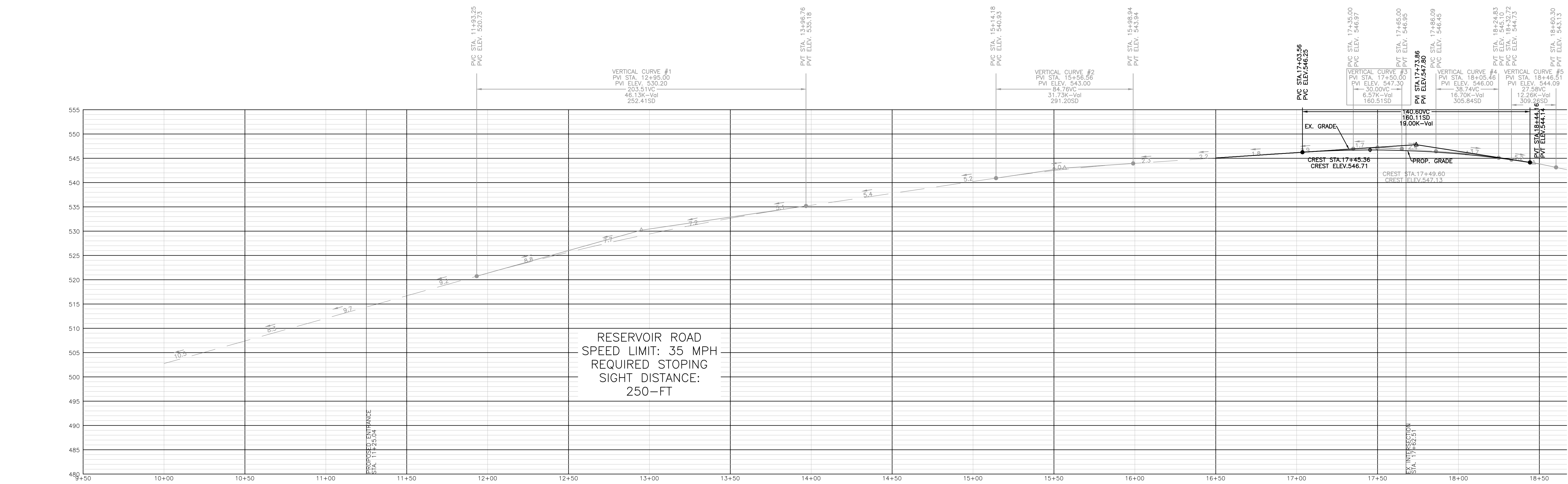
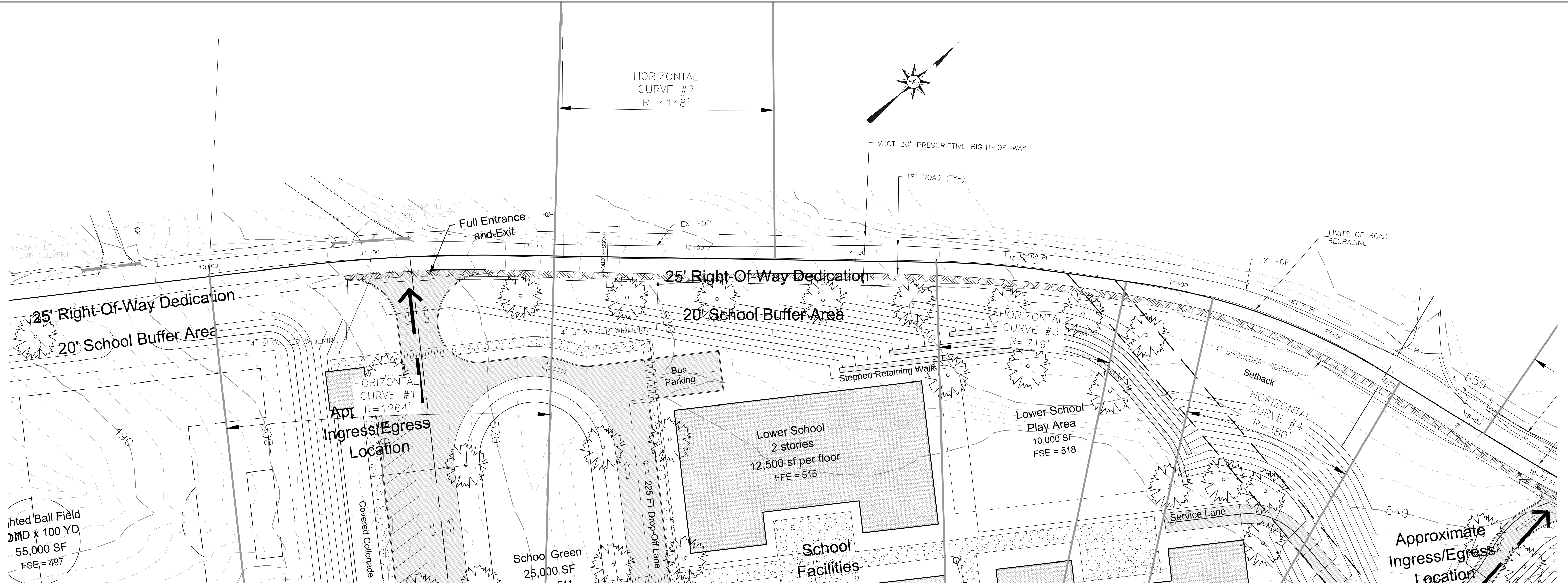
Rev #	Date	Description
1	4-29-2019	Road Profile Revised

RESERVOIR ROAD SURVEY FOR

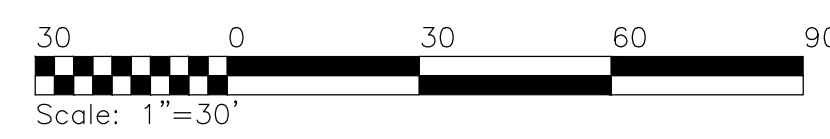
REGENTS SCHOOL

ALBEMARLE COUNTY, VIRGINIA

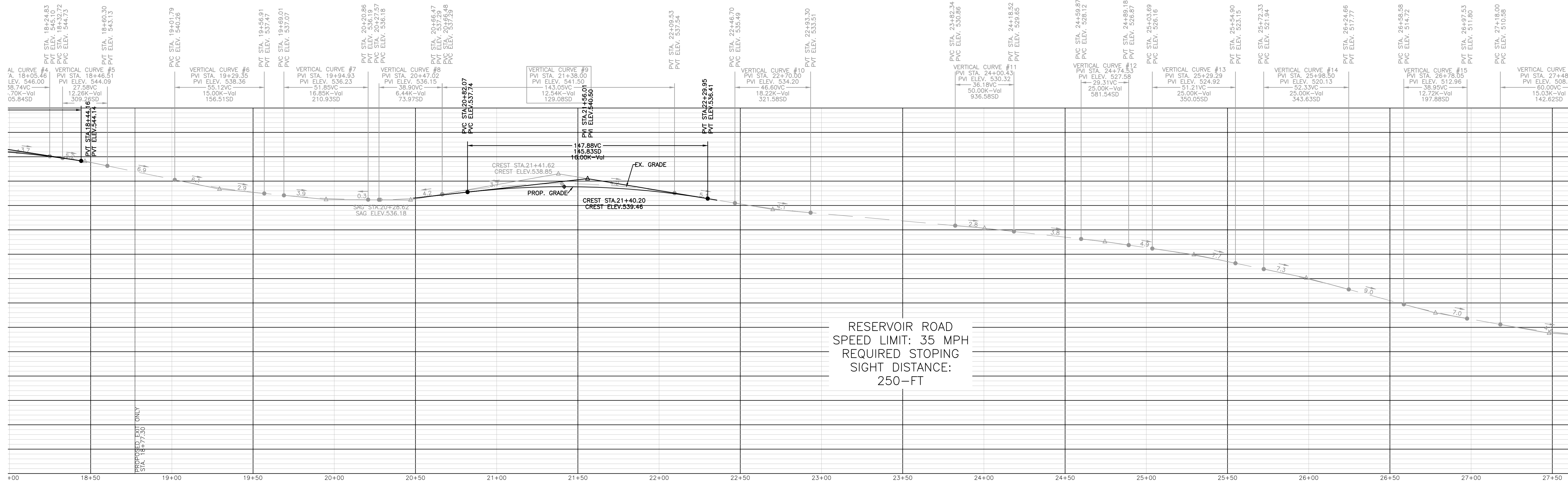
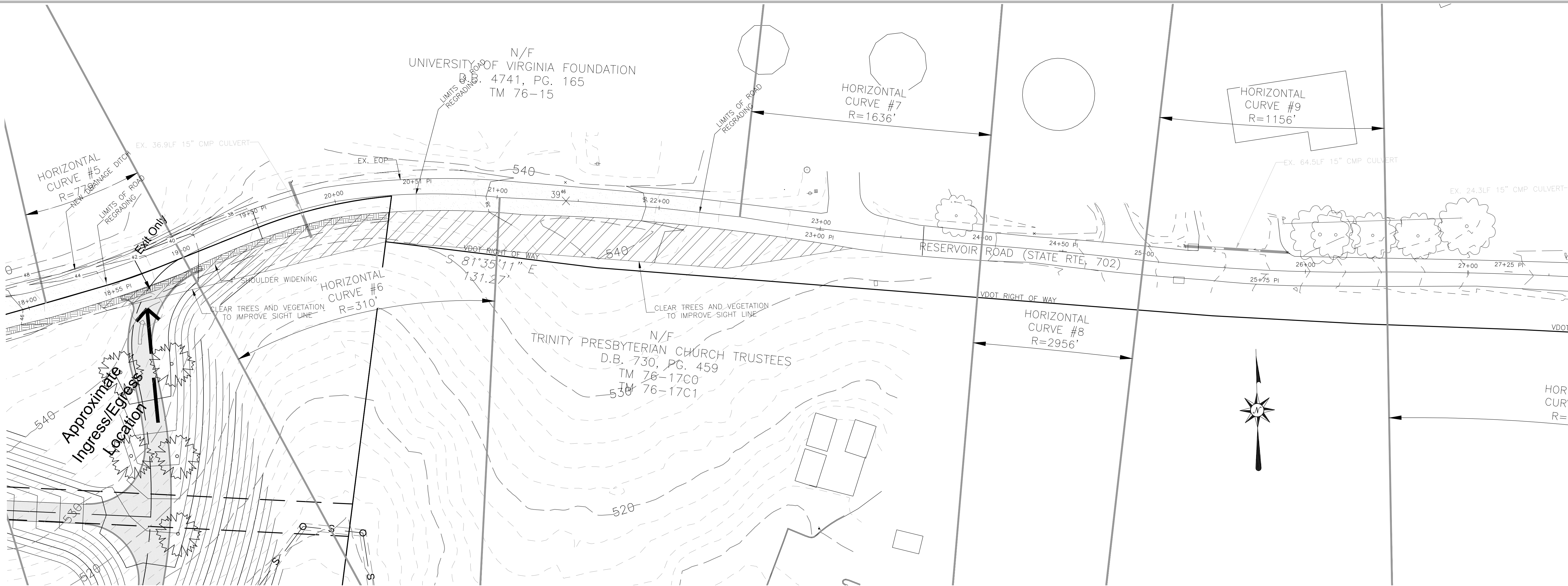
Date	07-16-2018
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RESERVOIR ROAD
SPEED LIMIT: 35 MPH
REQUIRED STOPPING
SIGHT DISTANCE:
250-FT



RESERVOIR ROAD PROFILE		
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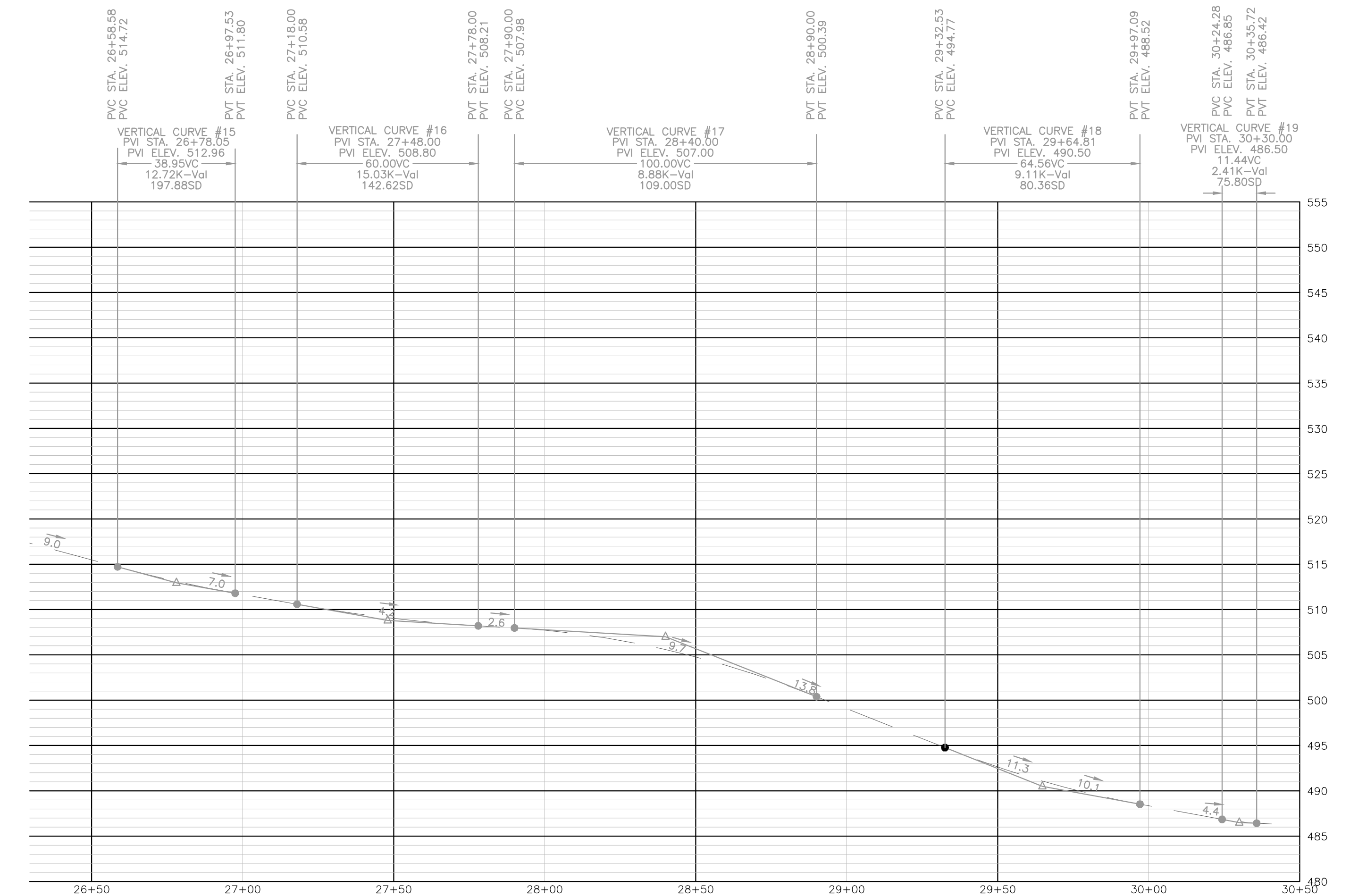
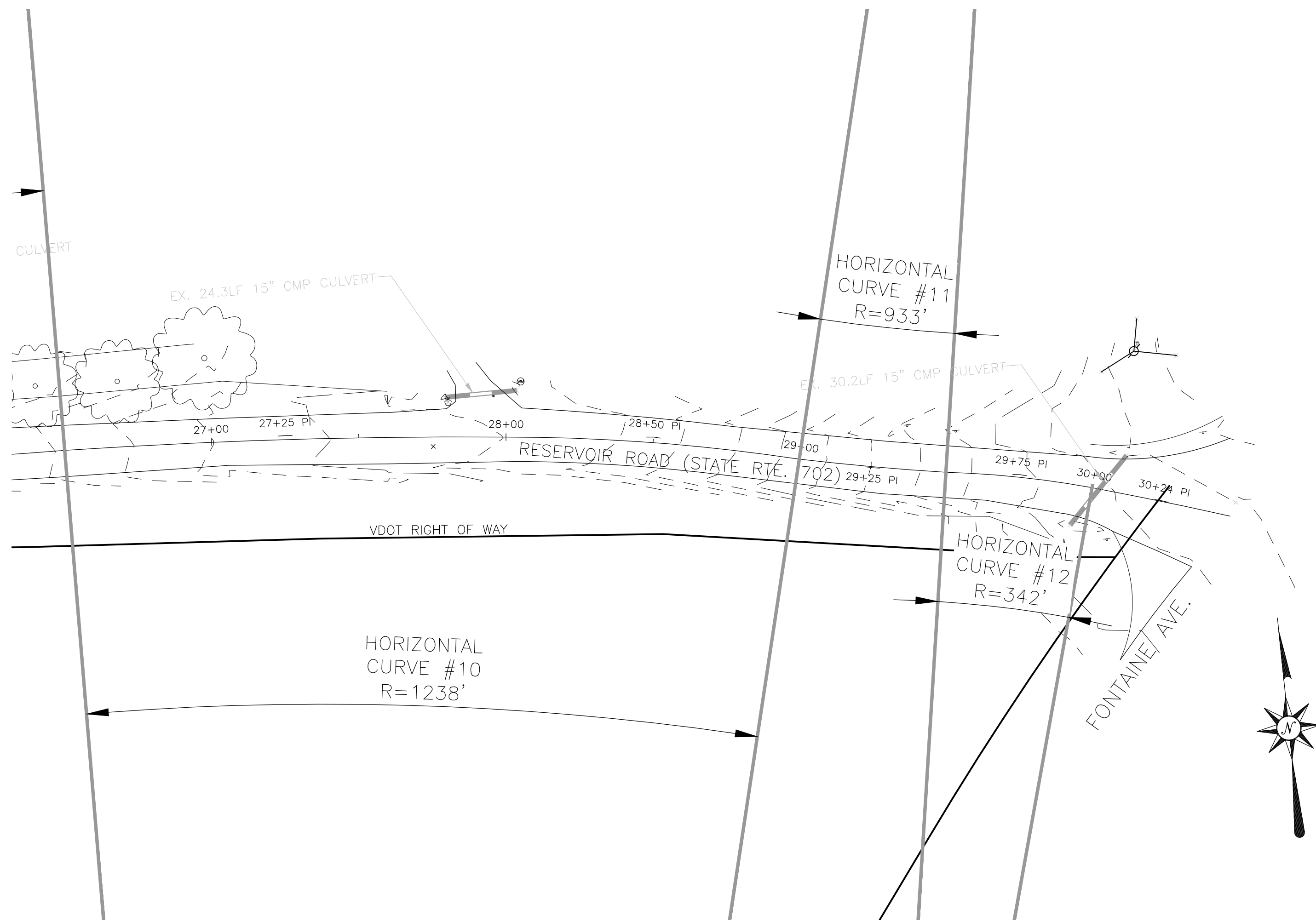
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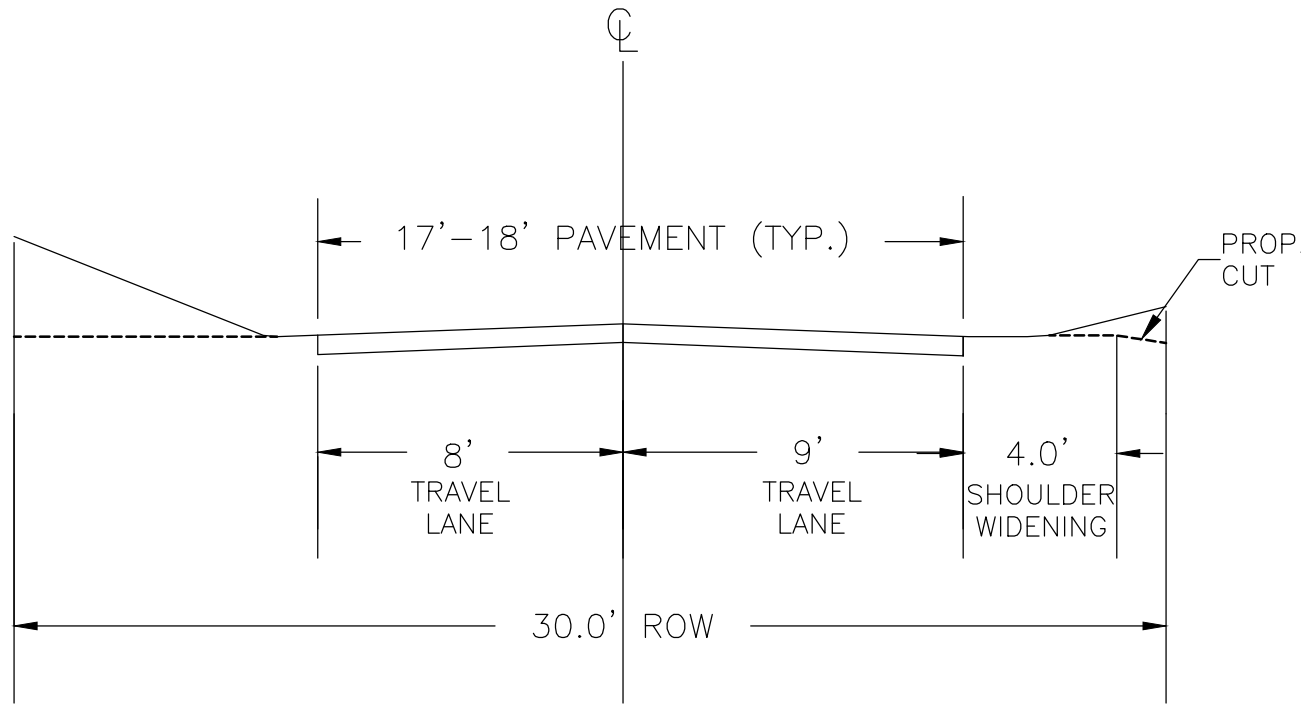
RESERVOIR ROAD SURVEY FOR
REGENTS SCHOOL
ALBEMARLE COUNTY, VIRGINIA

Date	07-16-2018
Scale	1"=30'
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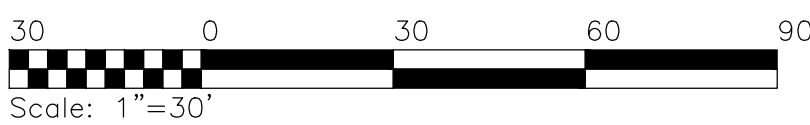


1 RESERVOIR ROAD PROFILE - STA. 26+50 TO 30+50
C4 SCALE: HORZ: 1"=30' VERT: 1"=10'

RURAL ROAD SECTION TYPICAL RESERVOIR ROAD EXISTING



2 CROSS-SECTION 1
C4 NOT TO SCALE



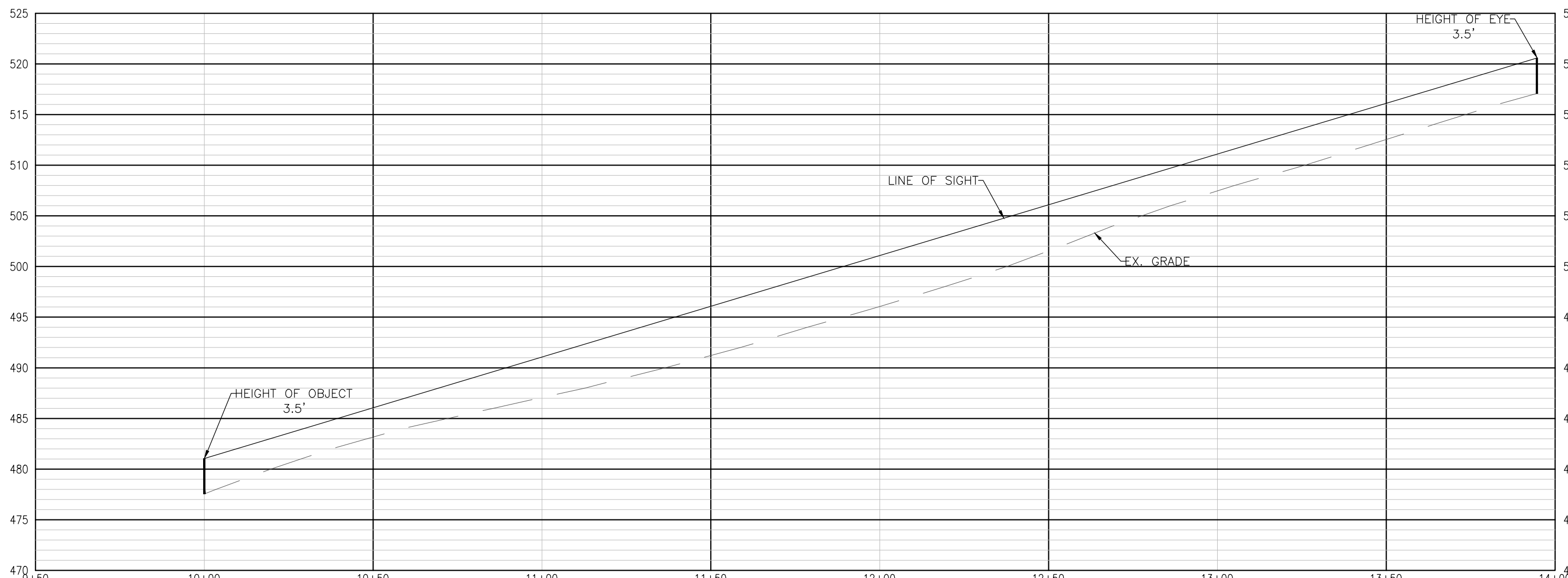
RESERVOIR ROAD PROFILE

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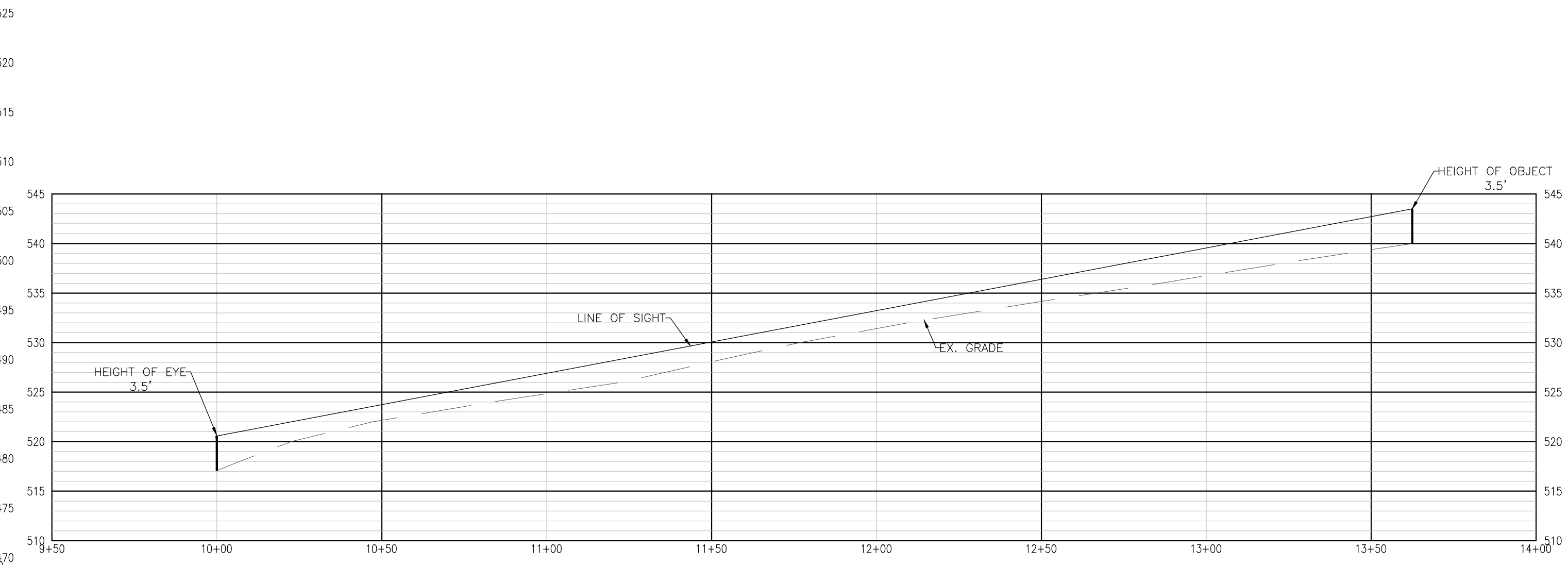
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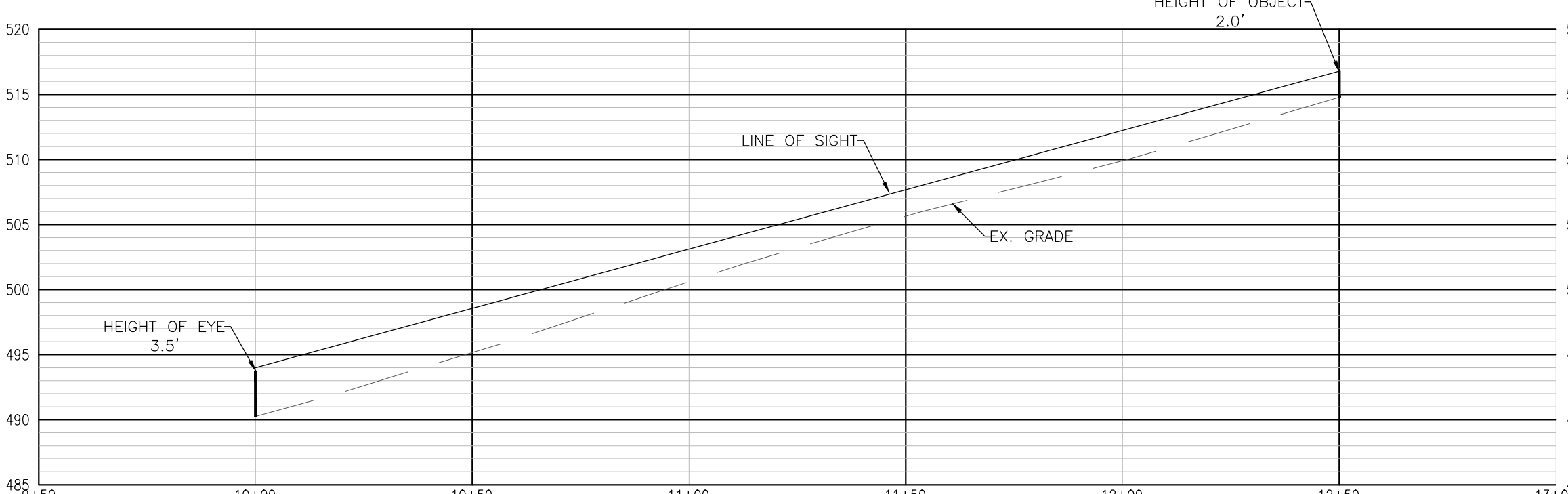
1 SIGHT DIST. PLAN
C5 SCALE: HORZ: 1"=30' VERT: 1"=10'



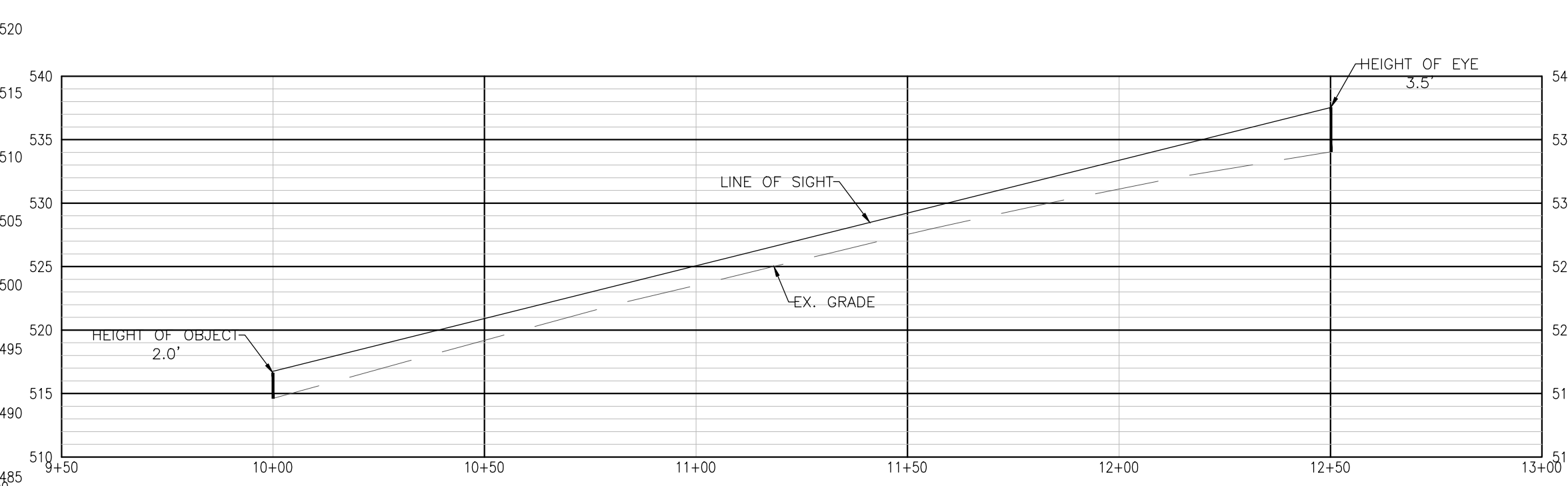
2 SSD-1L PROFILE
C5 SCALE: HORZ: 1"=30' VERT: 1"=10'



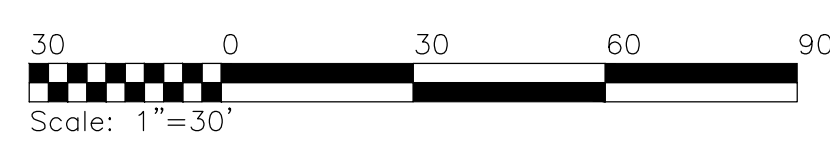
3 SSD-1R PROFILE
C5 SCALE: HORZ: 1"=30' VERT: 1"=10'



4 SSD-1L PROFILE
C5 SCALE: HORZ: 1"=30' VERT: 1"=10'



5 SSD-1R PROFILE
C5 SCALE: HORZ: 1"=30' VERT: 1"=10'



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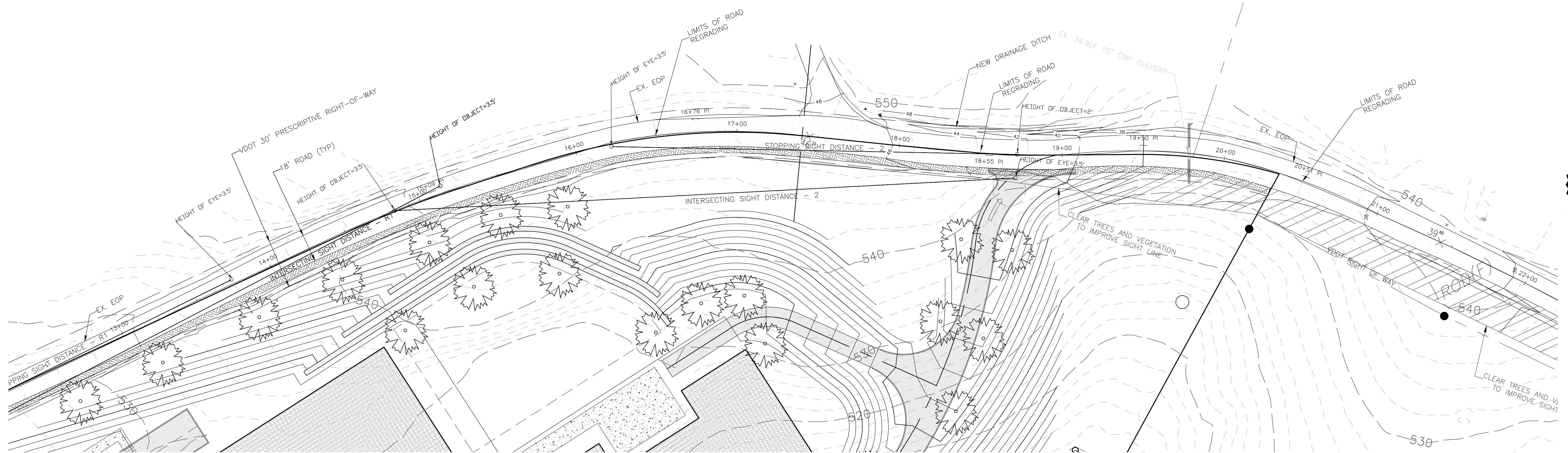
SIGHT DISTANCE DETAILS

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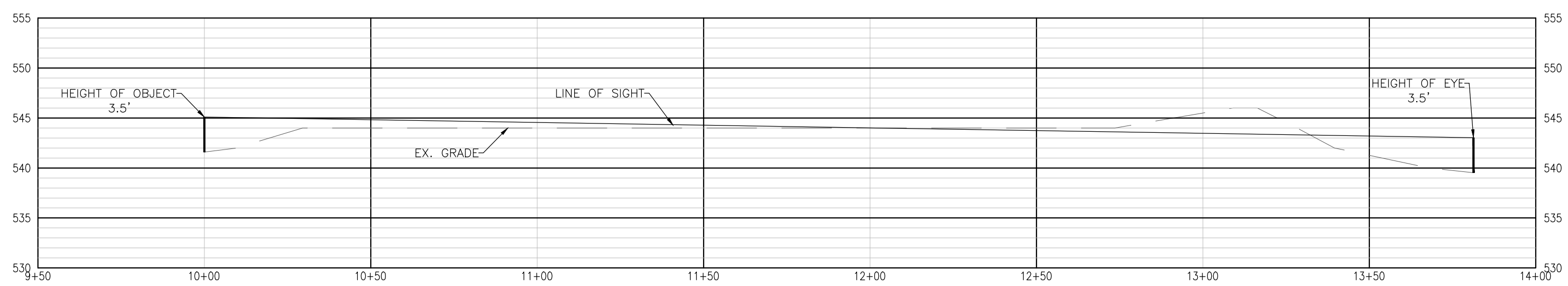
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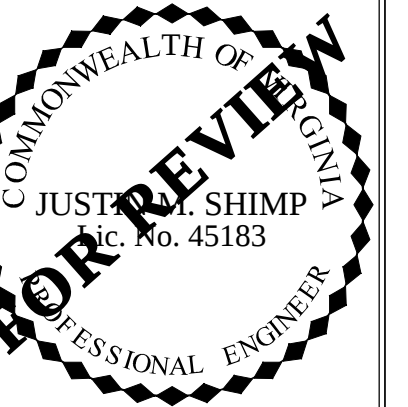
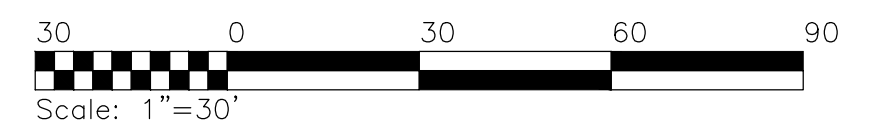
1 SIGHT DISTANCE PLAN
C6 SCALE: HORZ: 1"=30' VERT: 1"=10'



2 ISD-2L PROFILE
C6 SCALE: HORZ: 1"=30' VERT: 1"=10'



3 SSD-2L PROFILE
C6 SCALE: HORZ: 1"=30' VERT: 1"=10'



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