

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.

SHEET INDEX

- C1 - COVER SHEET
- C2 - ROAD PROFILE
- C3 - ROAD PROFILE
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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

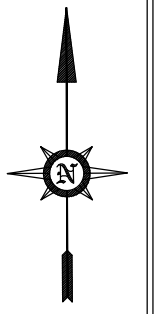
TRIP GENERATION

Scenario	Land Use	Code	Unit (Students)	Weekday	AM TOTAL	AM IN	AM OUT	PM TOTAL	PM IN	PM OUT
2028 (230)	Private K-	536	230	570	186	113	73	133	56	77
2038 (460)	Private K-	536	460	1141	373	227	146	267	112	155

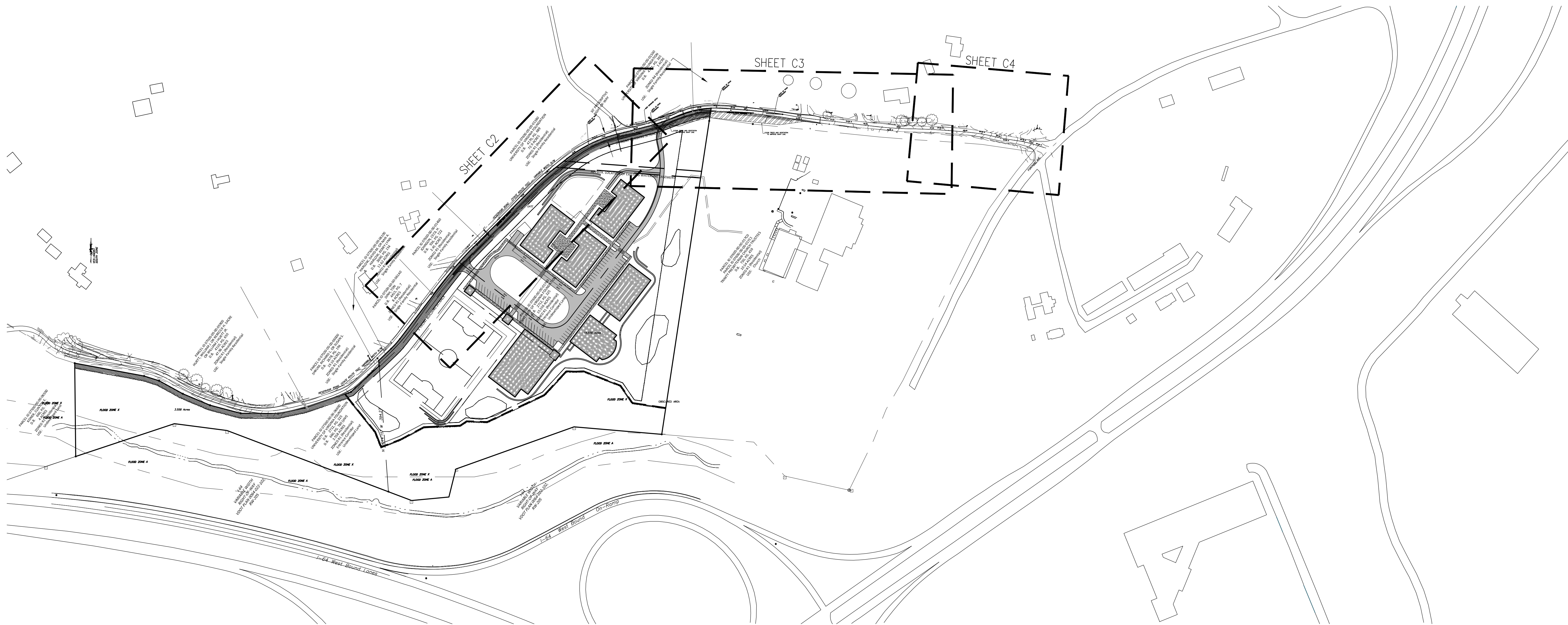
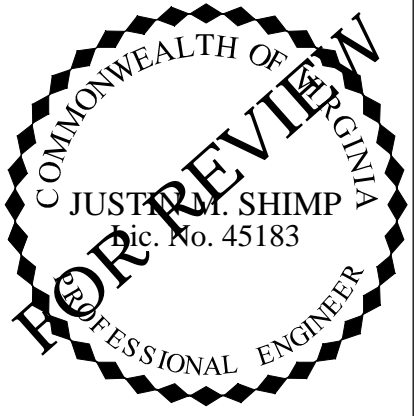
VICINITY MAP SCALE: 1"=1,000'



IMAGE PROVIDED BY GOOGLE MAPS



SHIMP ENGINEERING, P.C.
ENGINEERING - LAND PLANNING - PROJECT MANAGEMENT
PHONE: (434) 227-5140
912 EAST HIGH ST.
CHARLOTTEVILLE, VA 22902
JUSTIN SHIMP - ENGINEERING.COM

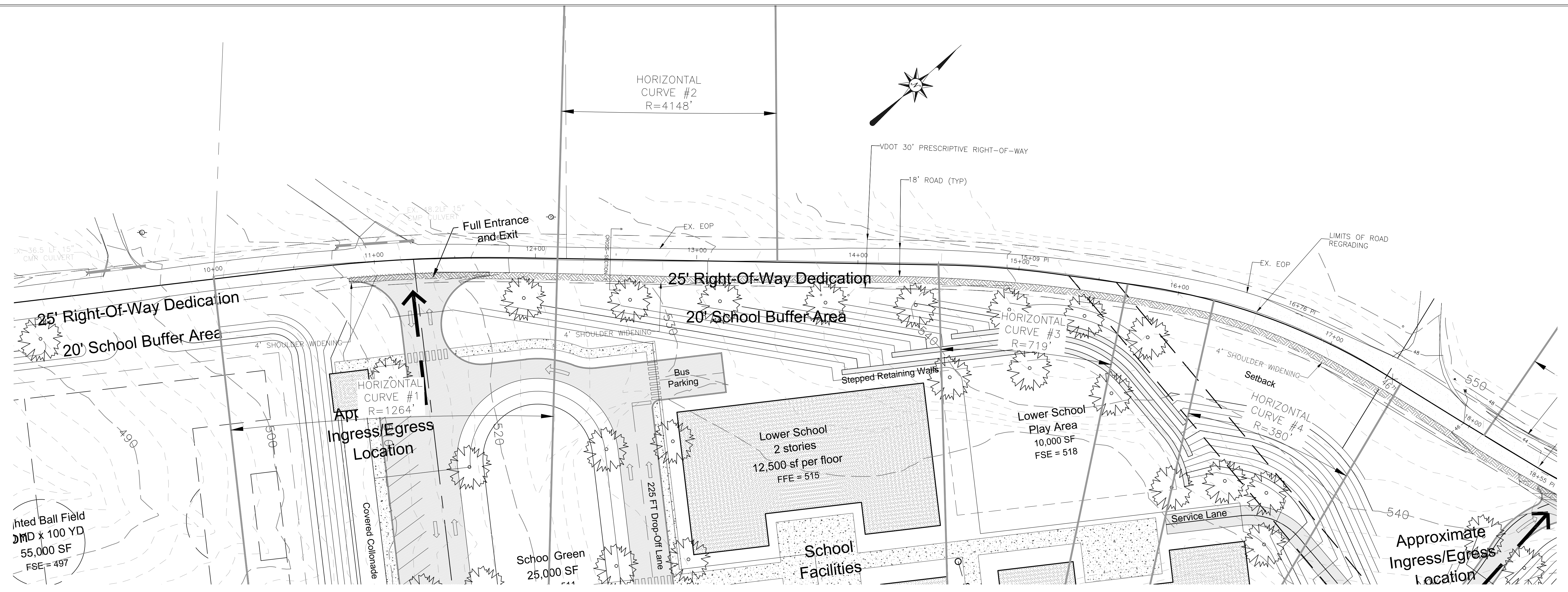


COVER SHEET

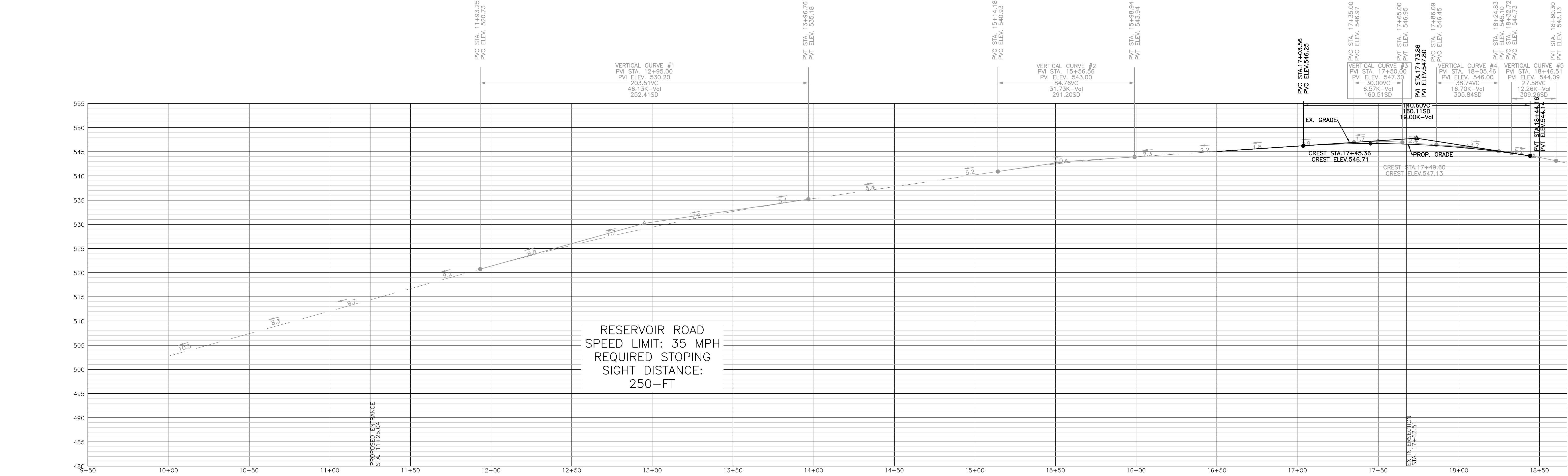
Rev #	Date	Description
1	4-29-2019	Road Profile Revised

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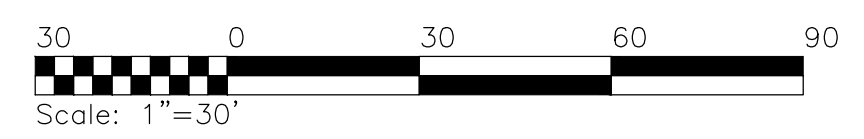
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Lighted Ball Field
 100' x 100' x 100 YD
 55,000 SF
 FSE = 497



RESERVOIR ROAD
 SPEED LIMIT: 35 MPH
 REQUIRED STOPPING
 SIGHT DISTANCE:
 250-FT

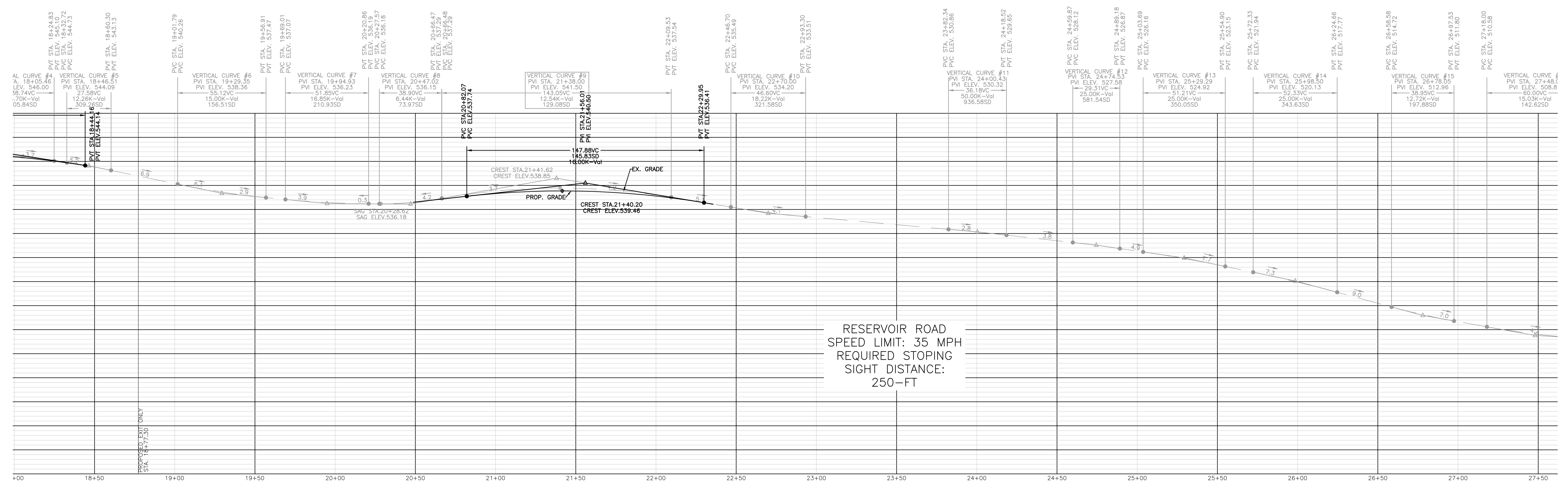
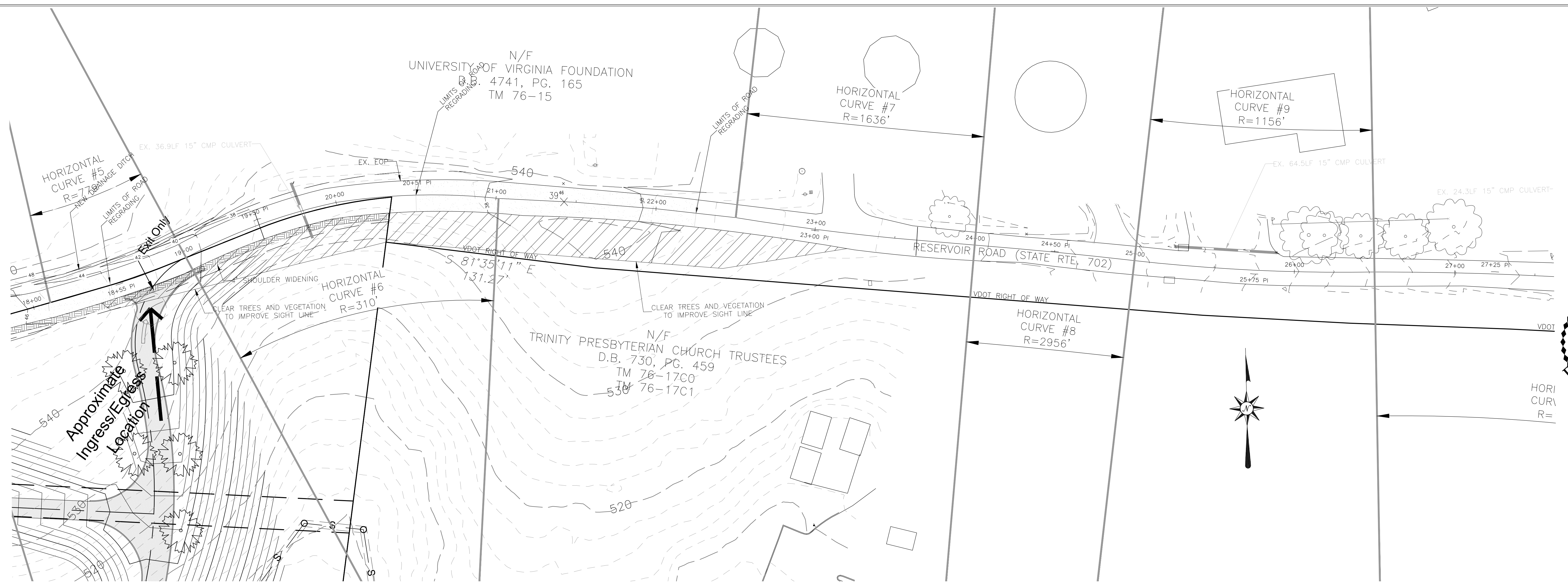


RESERVOIR ROAD PROFILE

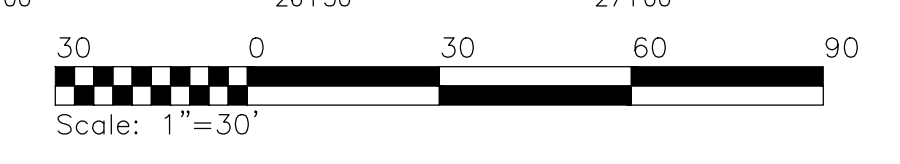
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RESERVOIR ROAD SURVEY FOR
REGENTS SCHOOL
 ALBEMARLE COUNTY, VIRGINIA

Date: 07-16-2018
 Scale: 1"=30'
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RESERVOIR ROAD SPEED LIMIT: 35 MPH
 REQUIRED STOPPING SIGHT DISTANCE: 250-FT



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 ENGINEERING - LAND PLANNING - PROJECT MANAGEMENT
 912 EAST HIGH ST.
 CHARLOTTEVILLE, VA 22902
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 JUSTINSHIMP-ENGINEERING.COM

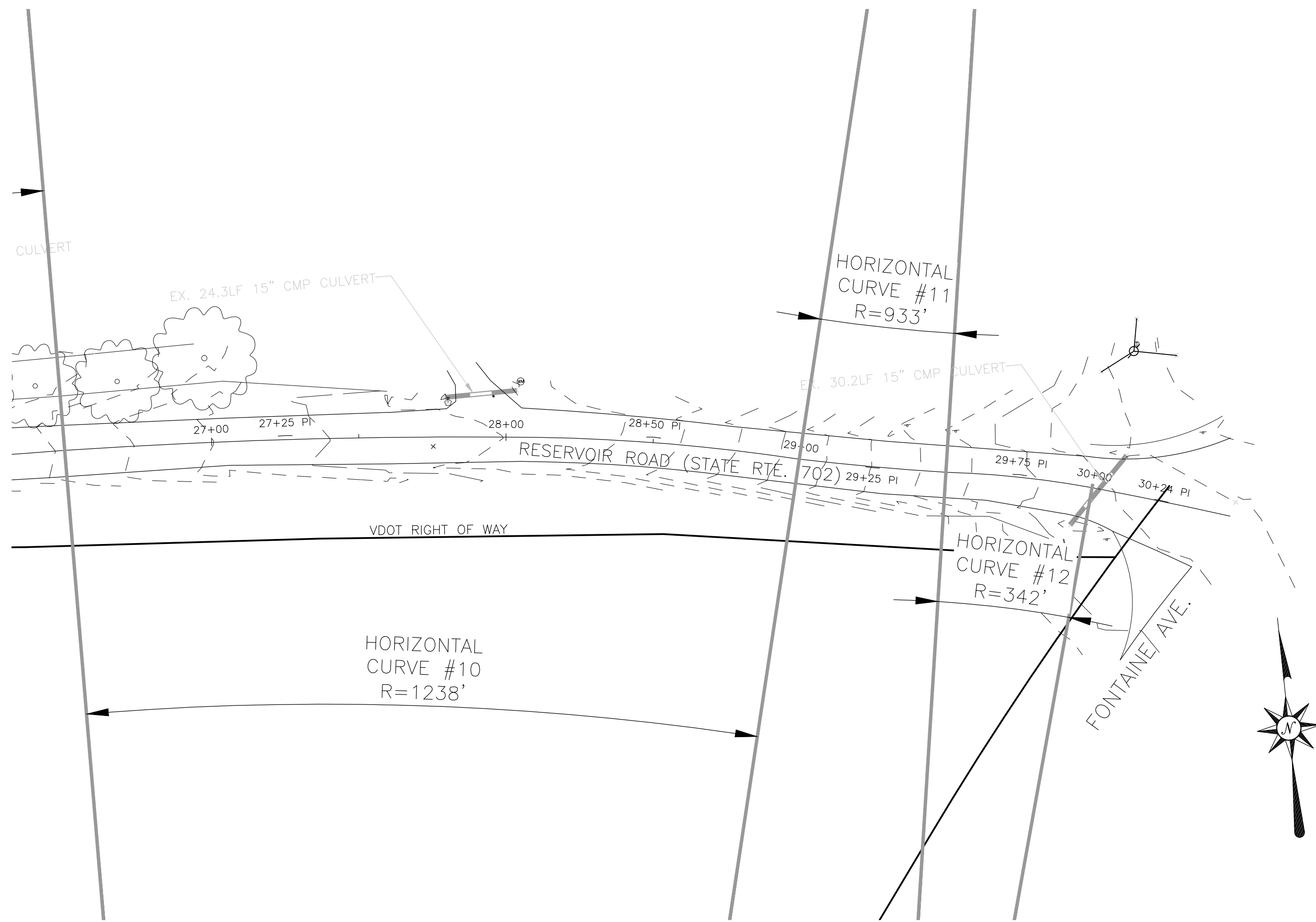


RESERVOIR ROAD PROFILE

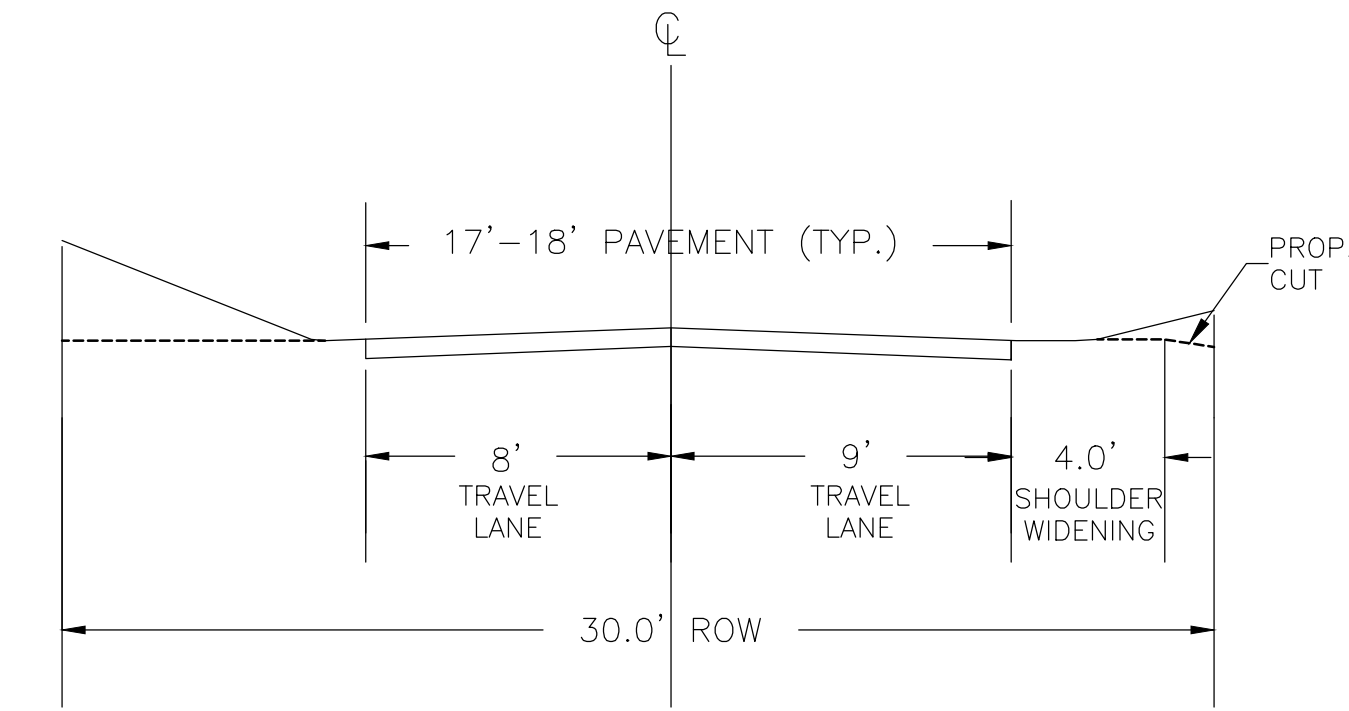
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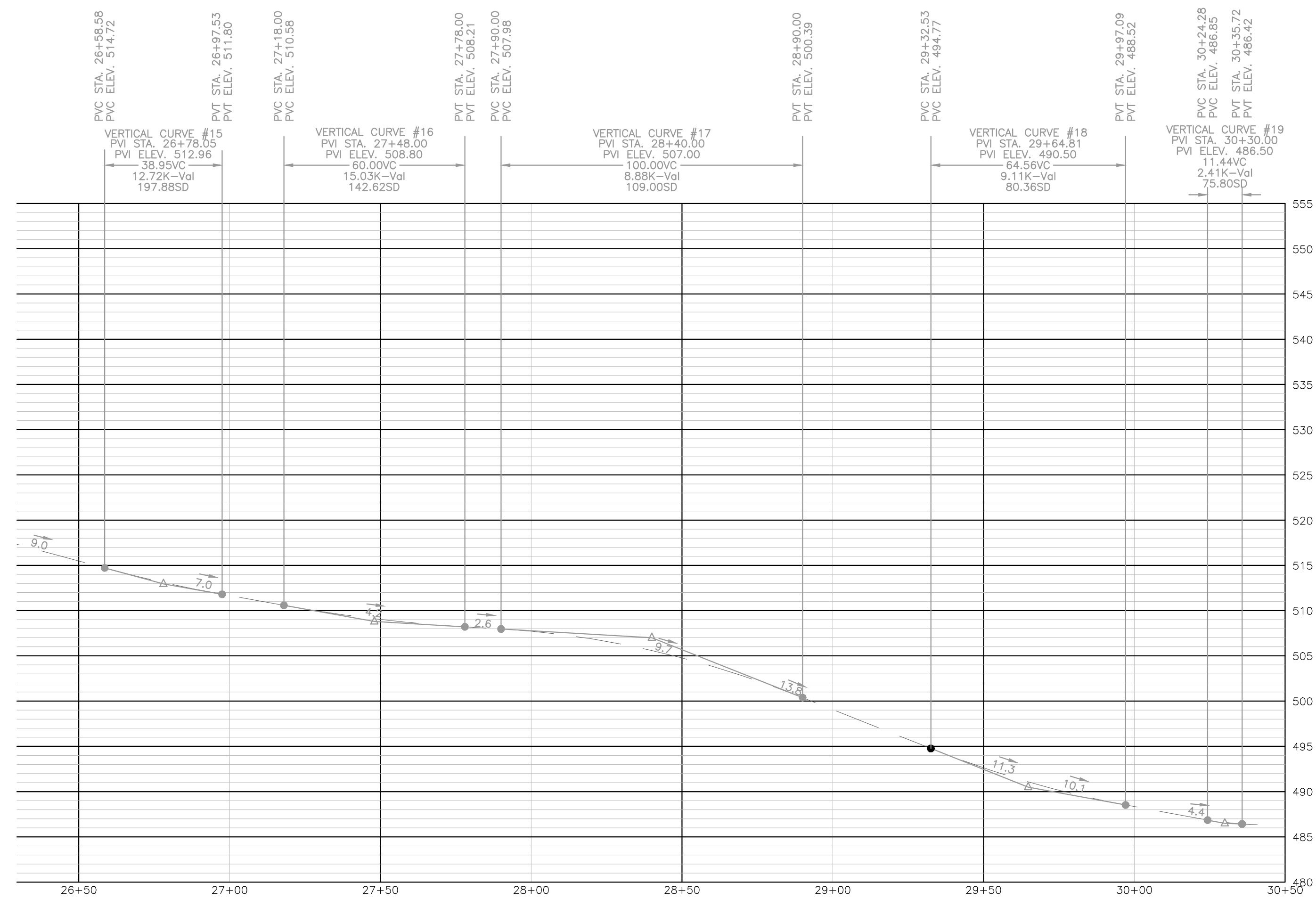
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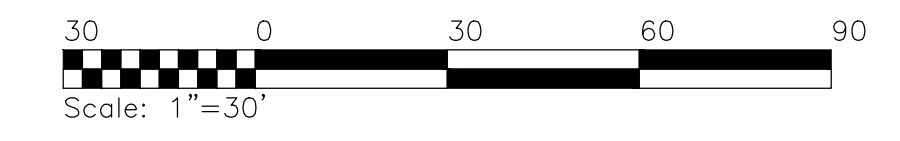
RURAL ROAD SECTION TYPICAL RESERVOIR ROAD EXISTING



2 CROSS-SECTION 1
C4 NOT TO SCALE

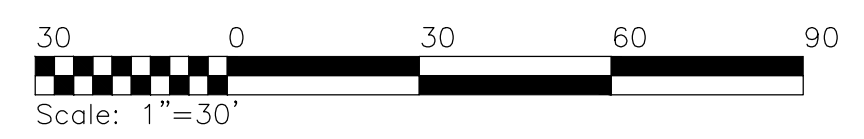
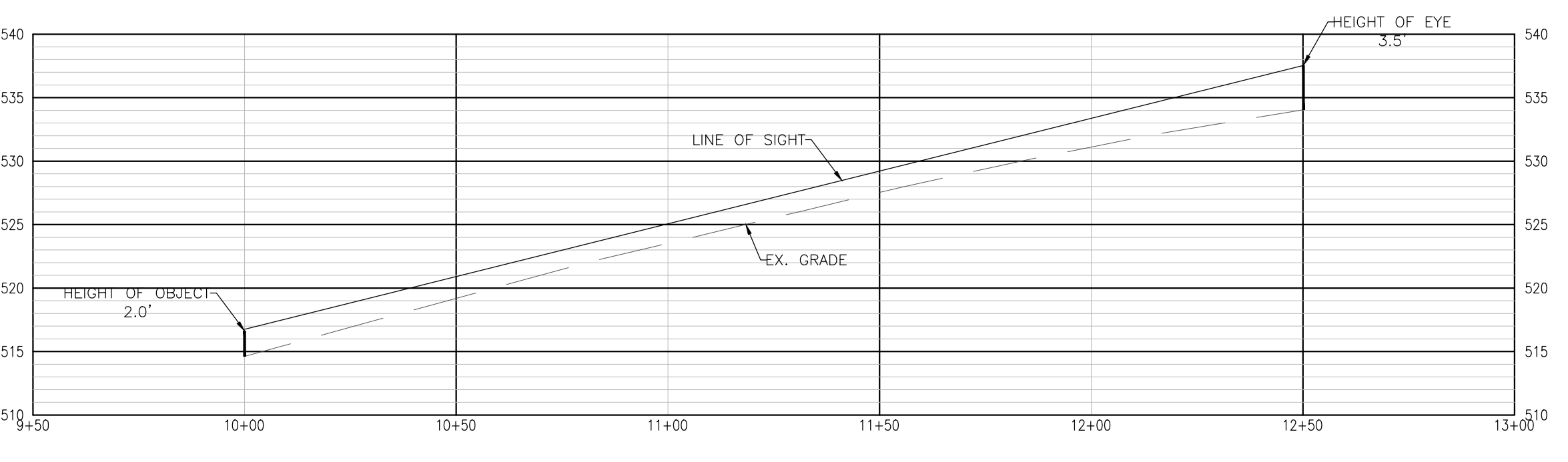
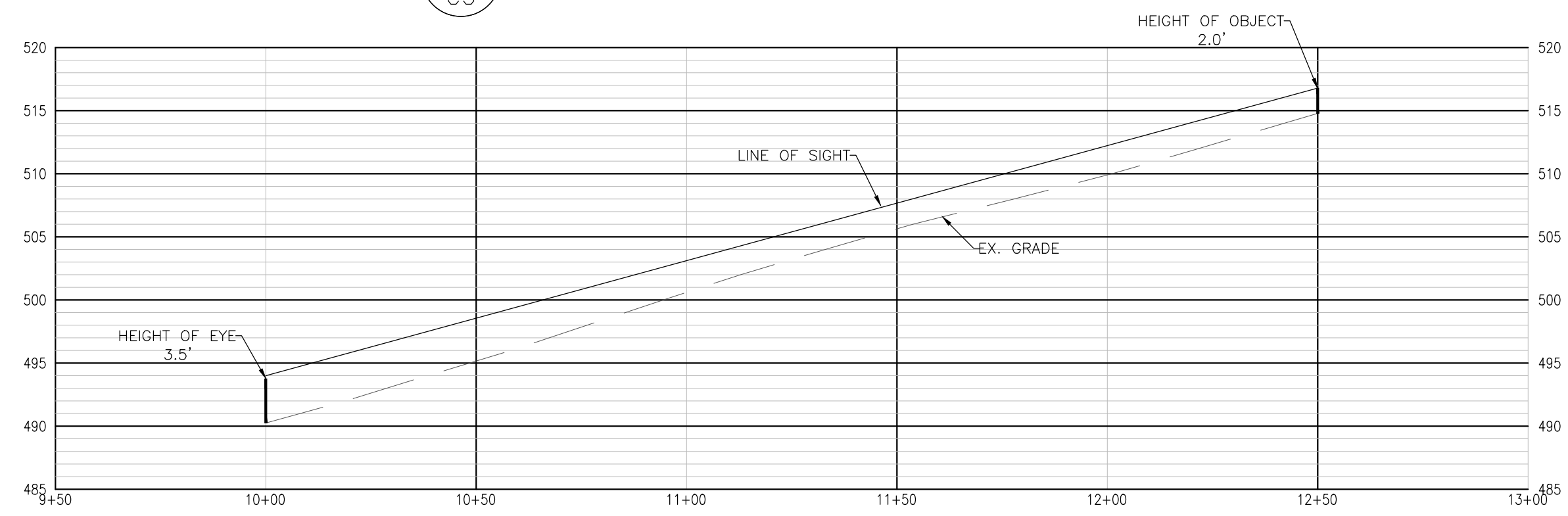
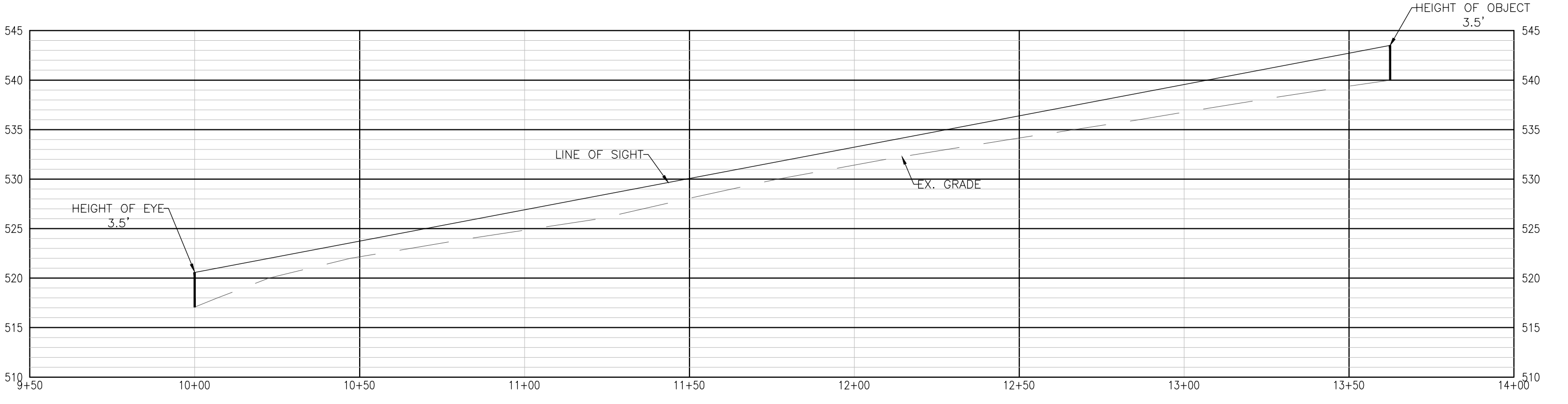
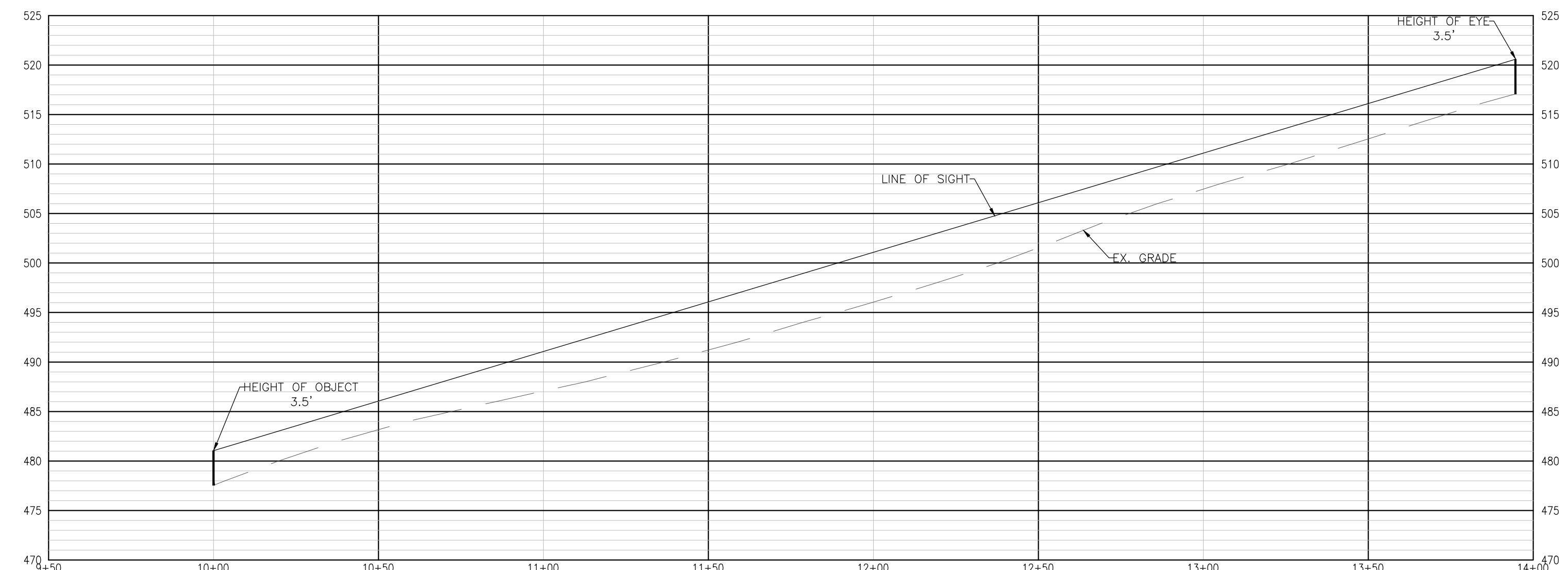


1 RESERVOIR ROAD PROFILE - STA. 26+50 TO 30+50
C4 SCALE: HORIZ: 1"=30' VERT: 1"=10'



RESERVOIR ROAD PROFILE		
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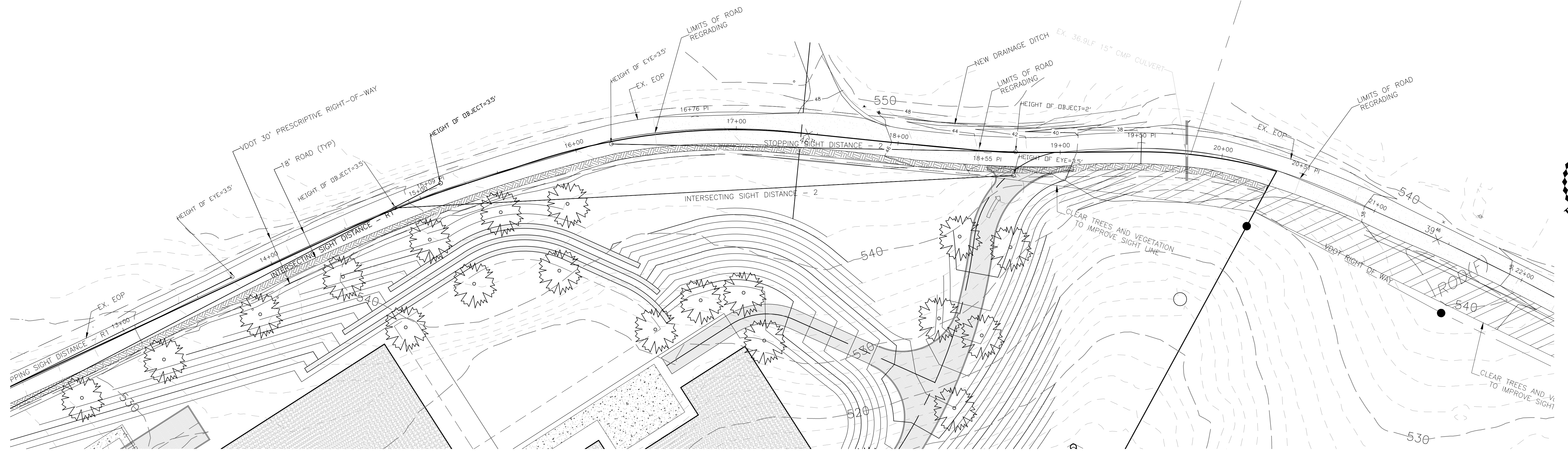


SIGHT DISTANCE DETAILS

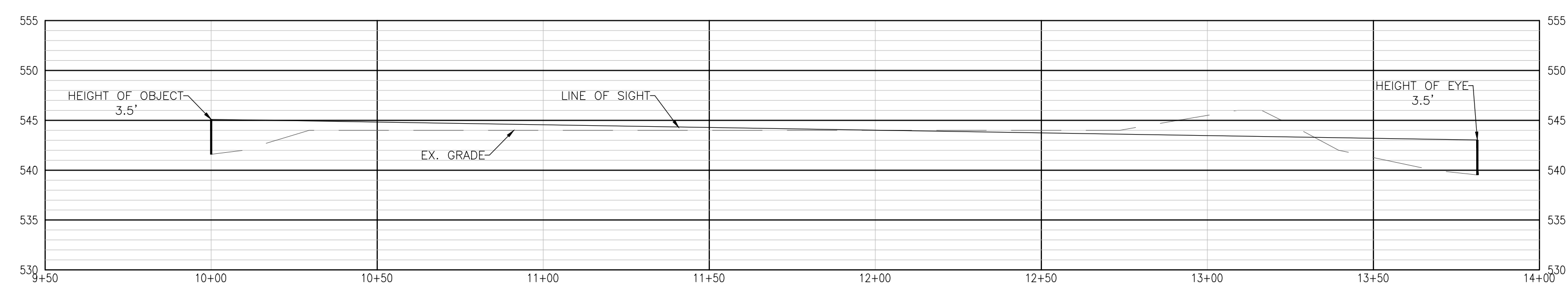
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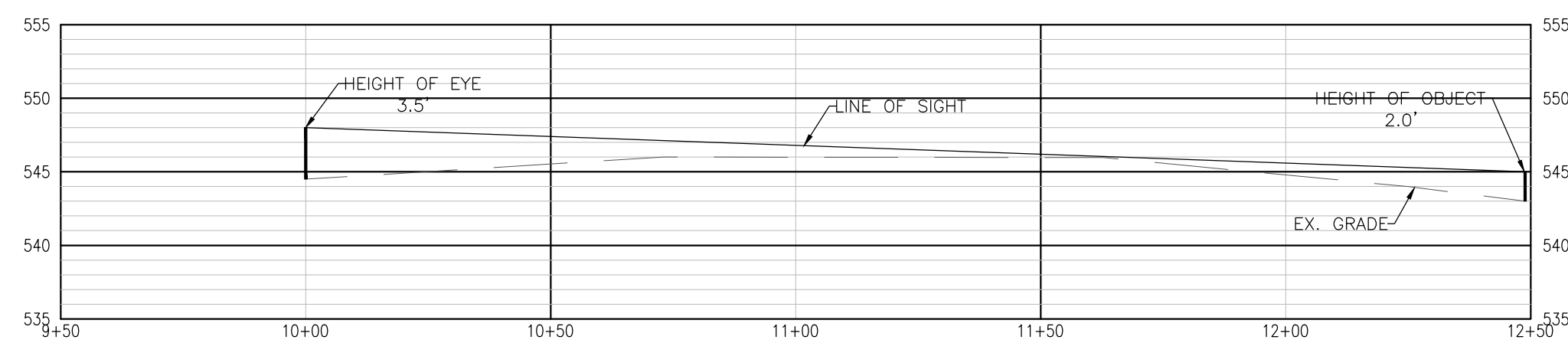
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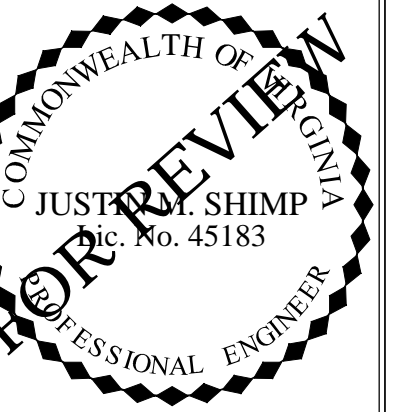
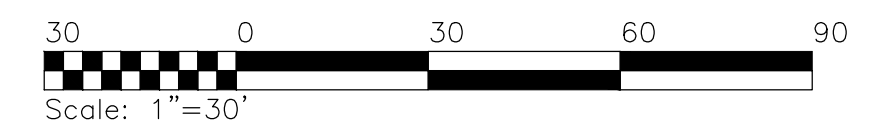
1 SIGHT DISTANCE PLAN
C6 SCALE: HORZ: 1"=30' VERT: 1"=10'



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



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



SIGHT DISTANCE DETAILS

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