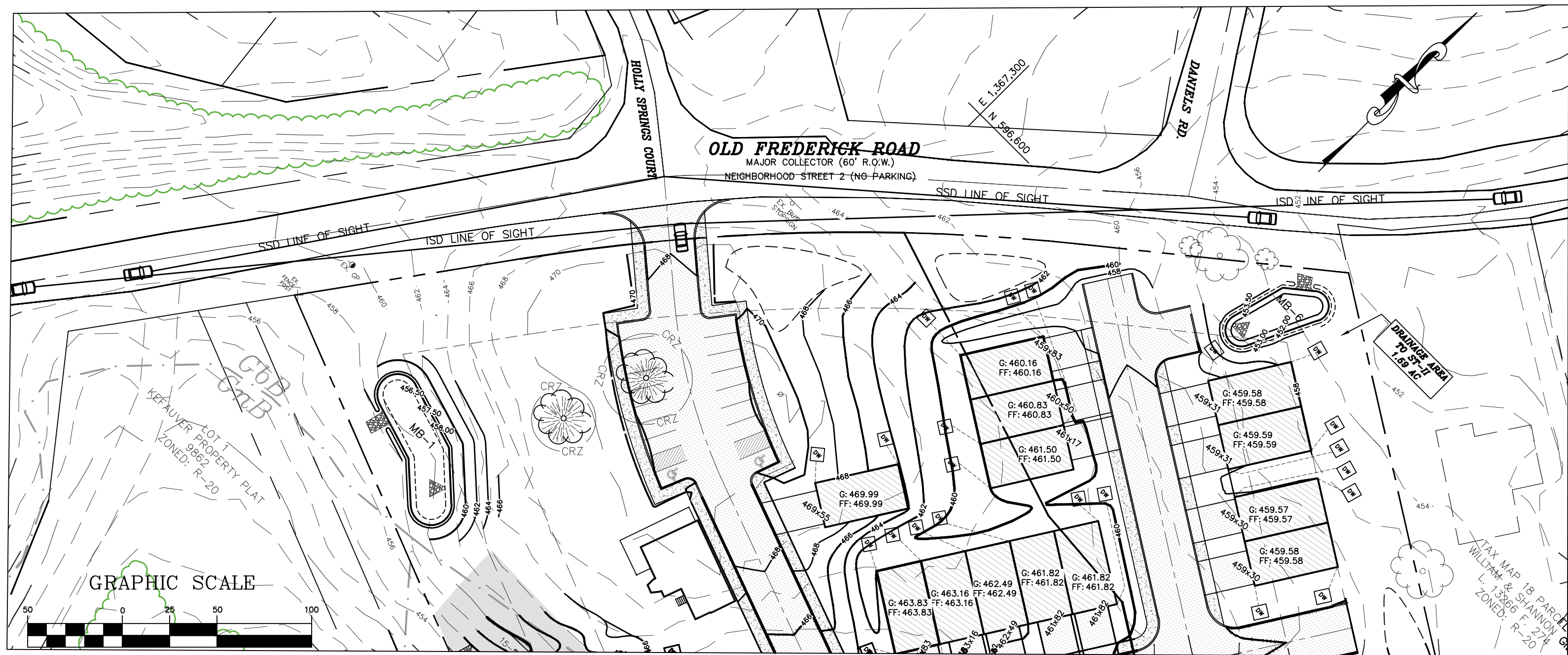
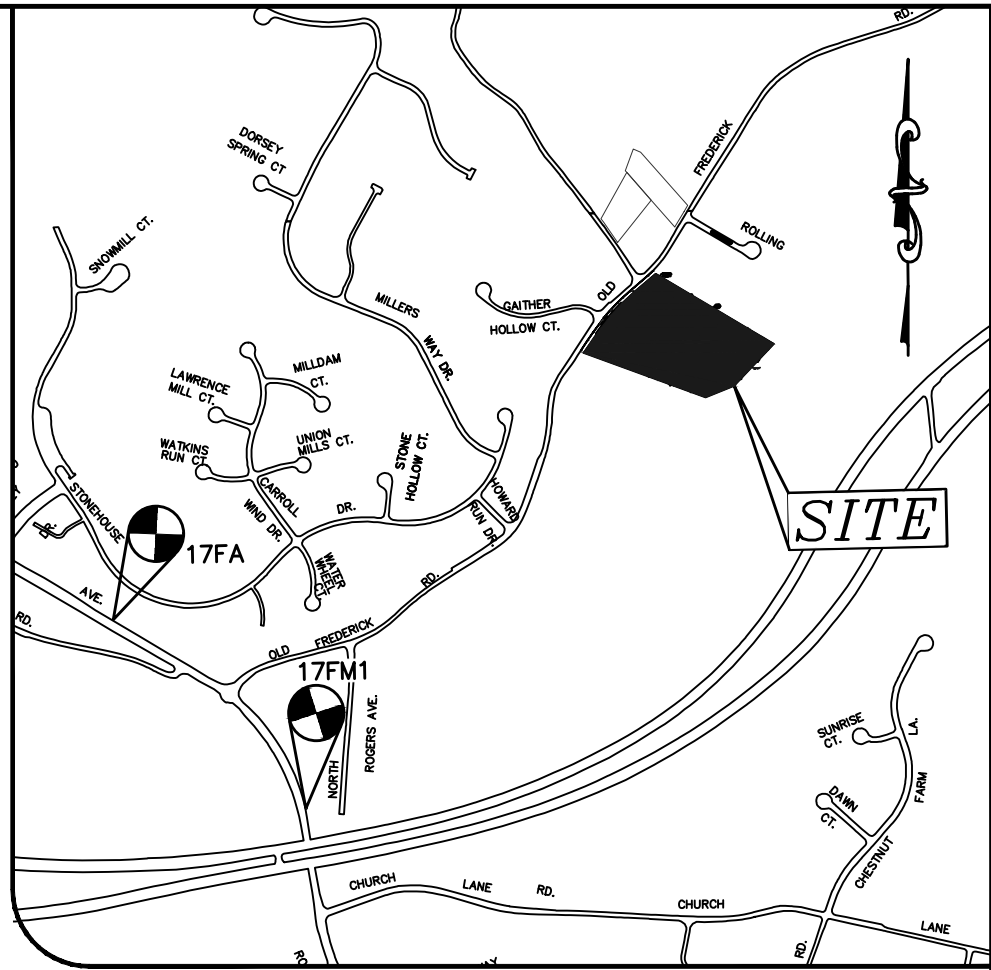


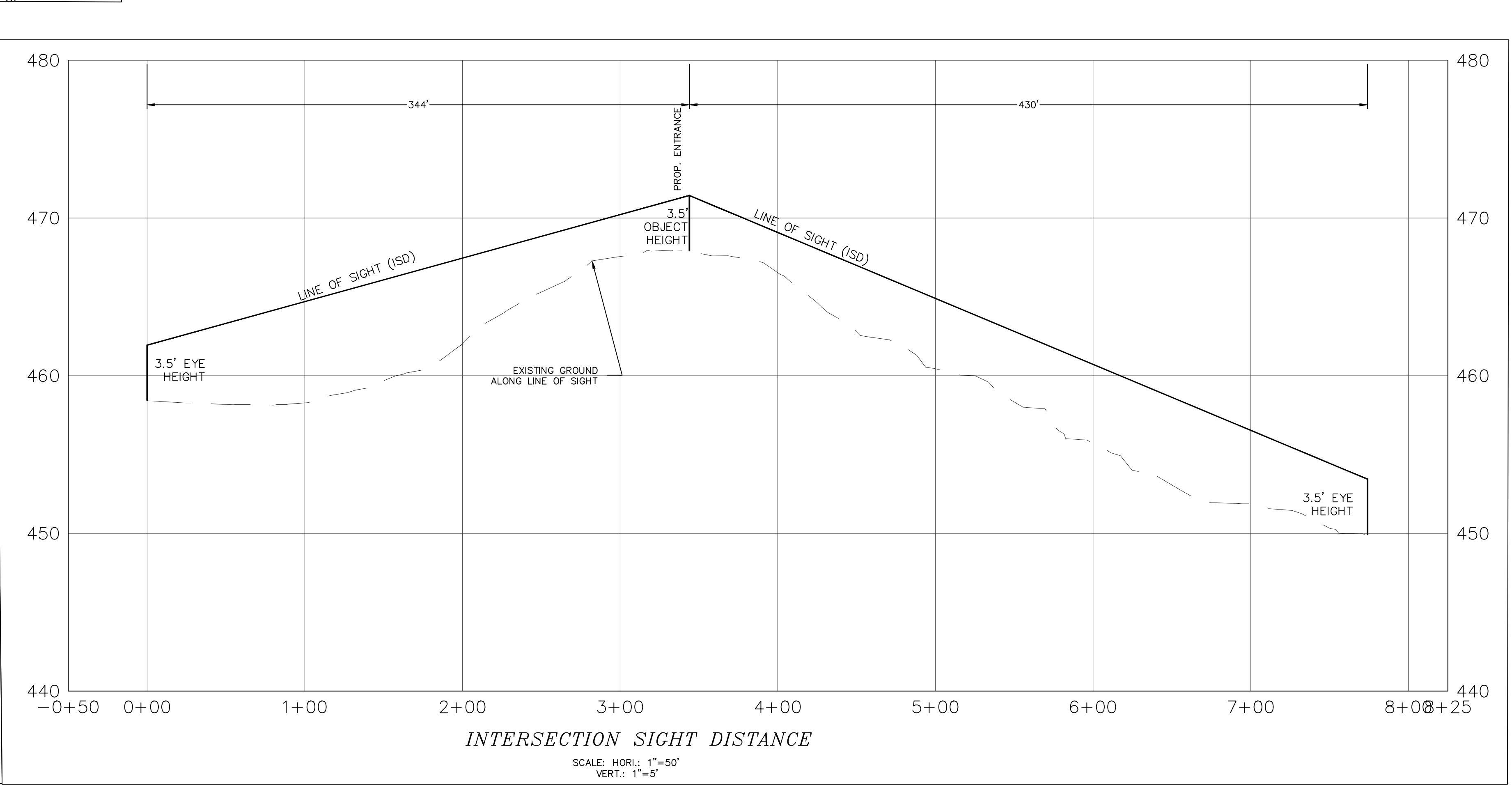
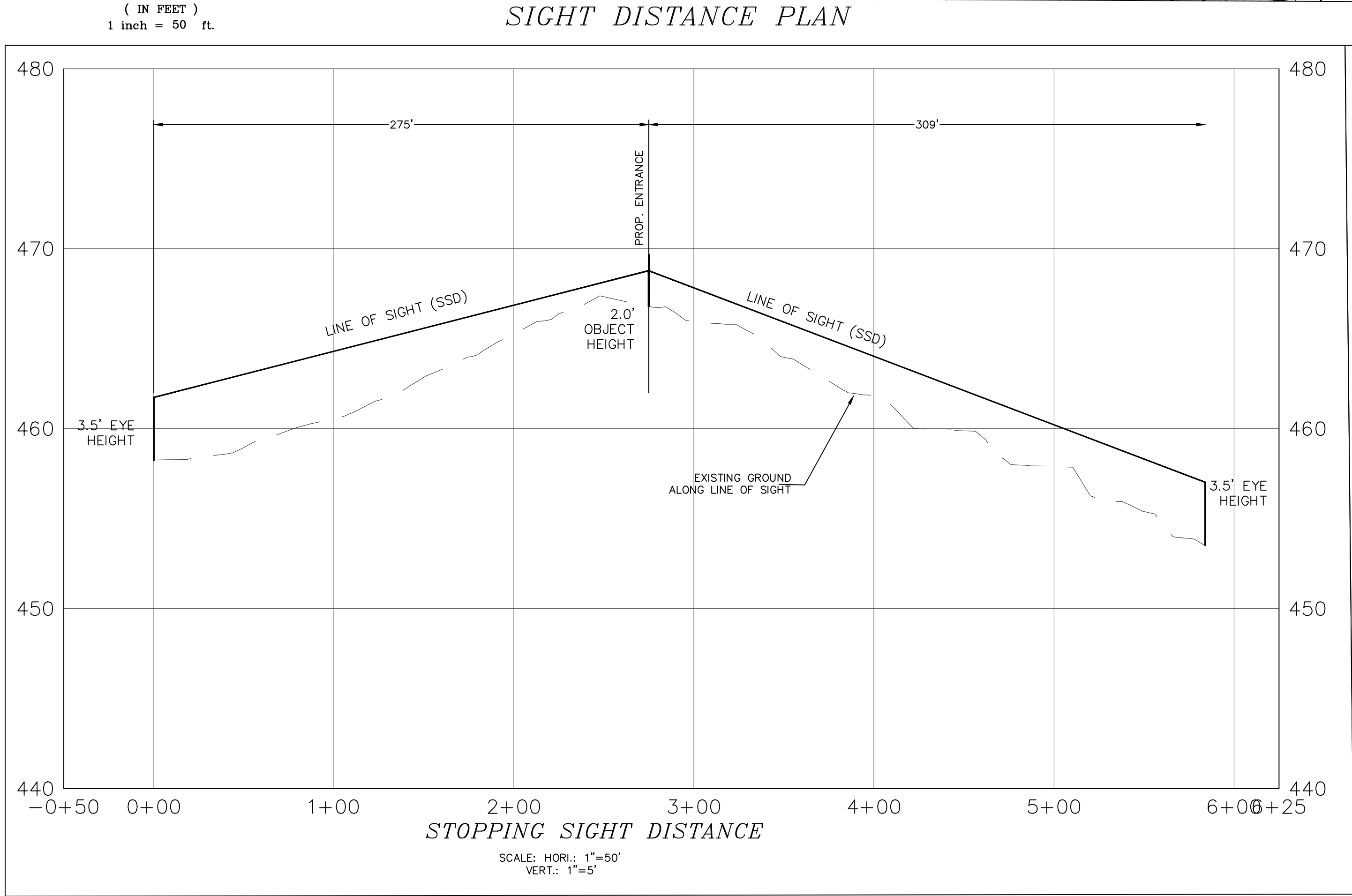


GENERAL NOTES:

- SITE ANALYSIS DATA:
ADDRESS: 8507 OLD FREDERICK ROAD, ELLICOTT CITY, MD. 21043
LOCATION: TAX MAP: 18 PARCEL: 19 GRID:
ELECTION DISTRICT: SECOND
ZONING: R-20
TOTAL AREA: 7.89± AC
TOTAL NUMBER OF UNITS: 26
TYPE OF PROPOSED UNIT: SINGLE FAMILY SEMI-DETACHED AND DETACHED DWELLINGS.
PROPOSED USE FOR SITE: RESIDENTIAL (AGE RESTRICTED).
- HORIZONTAL AND VERTICAL DATUMS ARE RELATED TO THE MARYLAND STATE PLANE COORDINATE SYSTEM AS PROJECTED FROM HOWARD COUNTY CONTROL STATIONS NO. 17FM1 & 17FA
STA. No. 17FM1 EL. 466.098 N 593.941.00 E 1,365,605.00
STA. No. 17FA EL. 476.712 N 594,948.393 E 1,364,626.834
- PROJECT BOUNDARY IS BASED ON A FIELD RUN MONUMENTED BOUNDARY SURVEY PERFORMED ON OR ABOUT MARCH 2025 BY MILDENBERG, BOENDER & ASSOC., INC.



VICINITY MAP
SCALE: 1" = 1000'
ADC MAP: 21D3



STOPPING SIGHT DISTANCE FORMULA		1.47V(t+{(V^2)/[30((a/32.2)±G)]})
HEIGHT OF EYE	3.5'	
HEIGHT OF OBJECT	2'	

DIRECTION		NORTHBOUND
POSTED SPEED		25
ANALYSIS SPEED	V (MPH)	36
GRADE	G (percent grade divided by 100)	-0.045
TIME	t (S)	2.5
DECELERATION RATE	a (ft/s^2)	11.2
SSD		275

DIRECTION		SOUTHBOUND
POSTED SPEED		25
ANALYSIS SPEED	V (MPH)	39
GRADE	G (percent grade divided by 100)	-0.041
TIME	t (S)	2.5
DECELERATION RATE	P	11.2

SSD	309
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POSTED SPEED = 25.0 MPH
OPERATING SPEED NORTHBOUND 36 MPH
SOUTHBOUND 39MPH

INTERSECTION SIGHT DISTANCE FORMULA		1.47V(t)
HEIGHT OF EYE	3.5'	
HEIGHT OF OBJECT	3.5'	

DIRECTION		LEFT TURN ONTO MAJOR ROAD
POSTED SPEED		25
ANALYSIS SPEED	V (MPH)	39
TIME GAP		7.5
ISD		430

DIRECTION		RIGHT TURN ONTO MAJOR ROAD
POSTED SPEED		25
ANALYSIS SPEED	V (MPH)	36
TIME GAP		6.5
ISD		344

SIGHT DISTANCE ANALYSIS

DANIELS MILL OVERLOOK

TAX MAP: 0018 PARCEL: 0019 GRID: 0007 BLOCK: ZONING: R-20
2ND ELECTION DISTRICT - HOWARD COUNTY, MARYLAND

MBA
ENGINEERS PLANNERS SURVEYORS
MILDENBERG, BOENDER & ASSOC., INC.
8318 FORREST STREET - SUITE 300, ELLICOTT CITY, MD 21043
(410) 997-0296 | CONTACT@mba-eng.com

	PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 28659 EXP DATE 08/08/2027 SAMER A. ALOMER, P.E.	PROJECT 25-004 ILLUSTRATION ENGINEERING SCALE AS SHOWN DATE 7/23/2025	1 OF 1
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