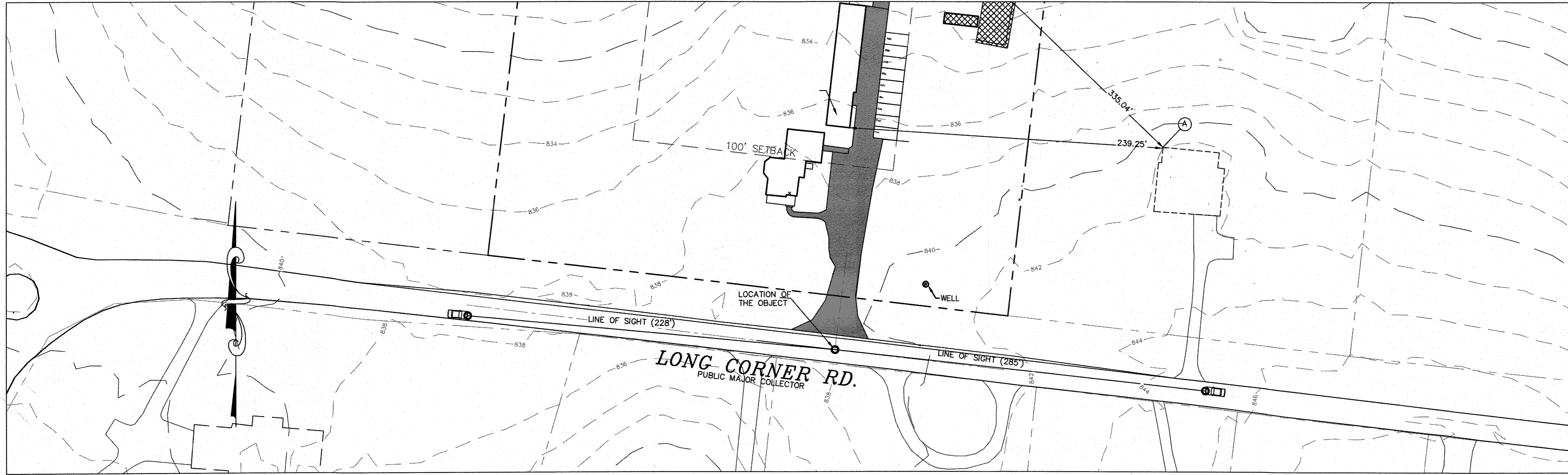


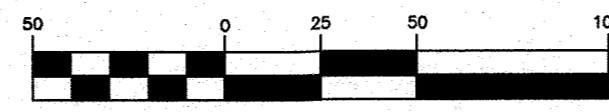
M:\2022\22-010 Oakridge CUD\DWG\STOPPING SIGHT DISTANCE-Corrected TOPO-JAN2023.dwg, 1/23/2023 10:28:11 AM, DWG To PDF.pc3, 1:1



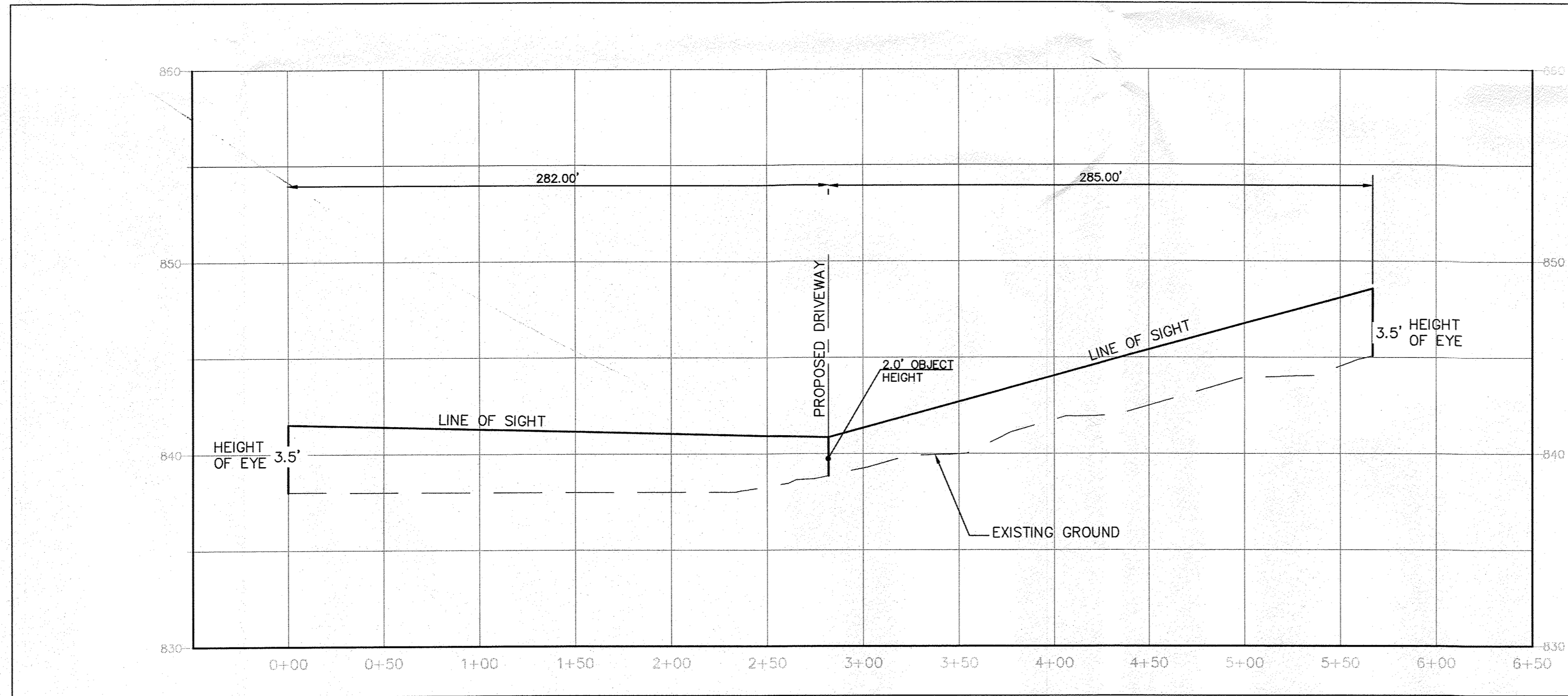
**INTERSECTION SIGHT DISTANCE PLAN**

SCALE: 1"=50' HOR

GRAPHIC SCALE

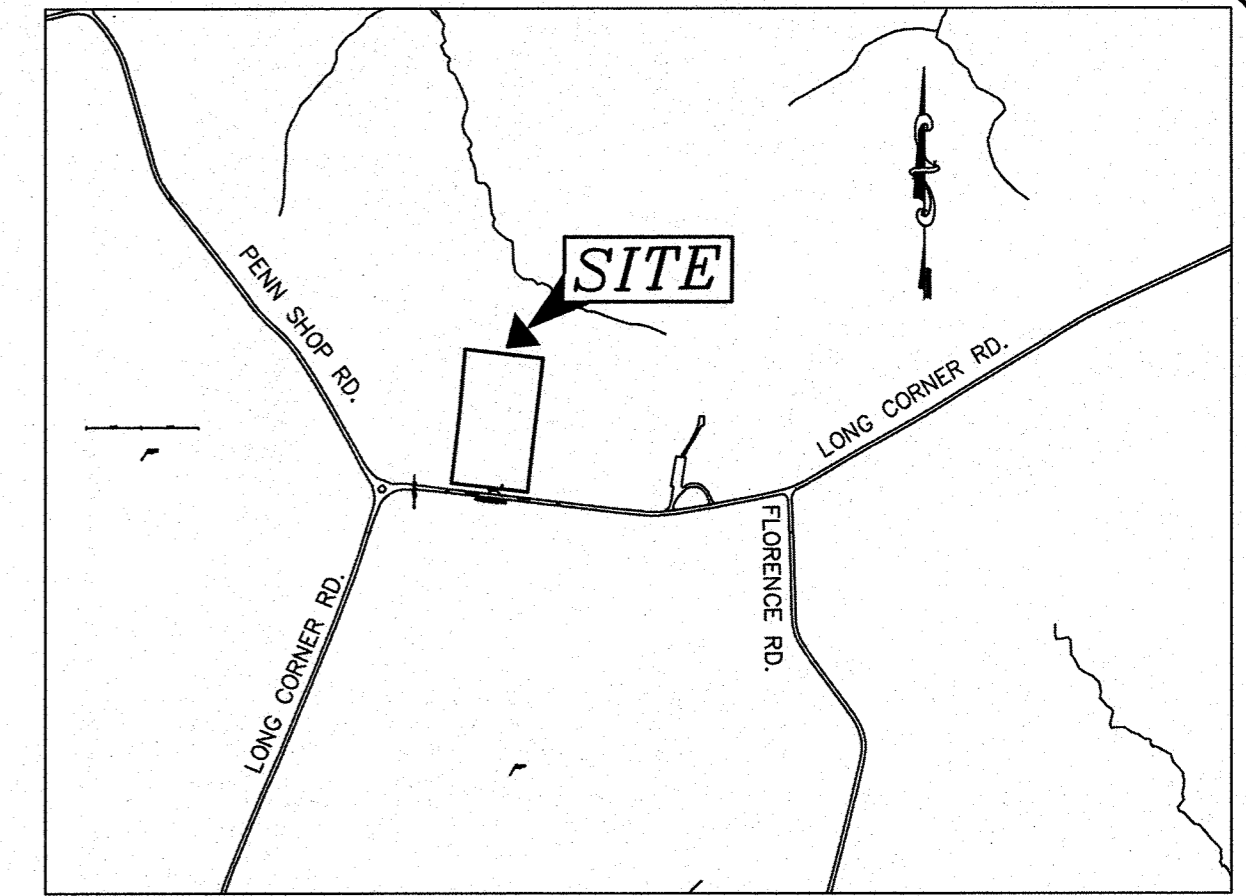


( IN FEET )  
1 inch = 50 ft.



**STOPPING SIGHT DISTANCE PROFILE**

SCALE: 1"=50' HOR  
1"=5' VER



**VICINITY MAP**  
SCALE: 1"=1000'

**GENERAL NOTES:**

1. THE SUBJECT PROPERTY IS ZONED RC-DEO PER THE OCTOBER 6, 2013 COMPREHENSIVE ZONING PLAN.
2. 2' TOPOGRAPHY FOR THE DEVELOPED AREAS IS BASED ON HOWARD COUNTY GIS DATA.
3. **SITE ANALYSIS DATA:**  
ADDRESS: 1242 LONG CORNER RD  
LOCATION: TAX MAP: 06 GRID: 10 PARCEL: 241  
ELECTION DISTRICT: FIFTH  
ZONING: RC-DEO  
TOTAL AREA: 6.4618 AC±  
PROPOSED USE FOR SITE: LANDSCAPE CONTRACTORS  
CONDITIONAL USE  
DEED REFERENCE: 21063/00088

**STOPPING SIGHT DISTANCE ANALYSIS**

POSTED SPEED = 30.0 MPH  
ANALYSIS SPEED = 39 MPH WESTBOUND  
ANALYSIS SPEED = 38 MPH EASTBOUND

HEIGHT OF EYE = 3.5'  
HEIGHT OF OBJECT = 2' LOCATED ON THE ROAD

STOPPING SIGHT DISTANCE (SSD) =  $1.47V(t) + \frac{(V^2)}{[30((\alpha/32.2) \pm G)]}$   
WHERE V = INITIAL SPEED  
t = 2.5 S  
 $\alpha = 11.2 \text{ FT/S}^2$   
G = PERCENT OF GRADE DIVIDED BY 100

WESTBOUND  
STOPPING SIGHT DISTANCE (SSD) =  $1.47V(t) + \frac{(V^2)}{[30((\alpha/32.2) + 1\%)]}$   
SSD =  $143.32 + (1,521/9.23)$   
SSD = 285'  
EASTBOUND  
STOPPING SIGHT DISTANCE (SSD) =  $1.47V(t) + \frac{(V^2)}{[30((\alpha/32.2) - 1\%)]}$   
SSD =  $139.65 + (1,444/10.13)$   
SSD = 282'

<b>DISTANCE (EASTBOUND)</b>	<b>DISTANCE (WESTBOUND)</b>
GRADE = -1% ±	GRADE = +1.0% ±
STOPPING SIGHT DISTANCE = 282'	STOPPING SIGHT DISTANCE = 285'

- NOTES:**
1. BASED ON THIS ANALYSIS, THE DRIVEWAY HAS ADEQUATE STOPPING SIGHT DISTANCE



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. 26859, EXP DATE 08/08/23

SAMER A. ALOMER, P.E.

01/20/2022  
DATE:

**OWNER/DEVELOPER**

MARIO A. GUZMAN  
ARGUETA VICTOR GUZMAN  
1242 LONG CORNER RD  
MT AIRY 21771  
240-507-2868

**NAME OF COUNSEL**

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301-575-0300  
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**PETITIONER**

MARIO A. GUZMAN  
ARGUETA VICTOR GUZMAN  
1242 LONG CORNER RD  
MT AIRY 21771  
240-507-2868

**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
8818 FORREST ST., SUITE 300, ELLICOTT CITY, MD 21043  
(410) 997-0996 Tel. (410) 997-0996 Fax.

**LARSEN'S POINT CONDITIONAL USE**  
1242 LONG CORNER RD - LOT 1  
TAX MAP: 06 - GRID: 10 - PARCEL: 241  
FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
**SIGHT DISTANCE ANALYSIS**

no.	description	date
1	revisions	

project	date	illustration	engineering	approval
22-010	01.23.2023	TNB	SA	SA
scale	1"=50'			