



This topographic map illustrates a proposed solar farm layout. The site is divided into several sections, each with specific setbacks and utility considerations. Key features include:

- Setbacks:** Various setback lines are marked, including 50' setbacks along the top and right boundaries, and 150' setbacks along the bottom and left boundaries.
- Utility Easements:** A 34.5 KV REC (Right of Way) is shown, along with an APPROX. 140' UTILITY ESMT (Easement).
- Topography:** Contour lines indicate the terrain, with elevations ranging from approximately 100' to 260'.
- Proposed Structures:** The solar farm layout is shown with a grid pattern, indicating the placement of solar panels.
- Access Points:** Several access points are marked with dimensions, such as 93', 152', 124', 166', 265', 224', 232', 254', and 264'.

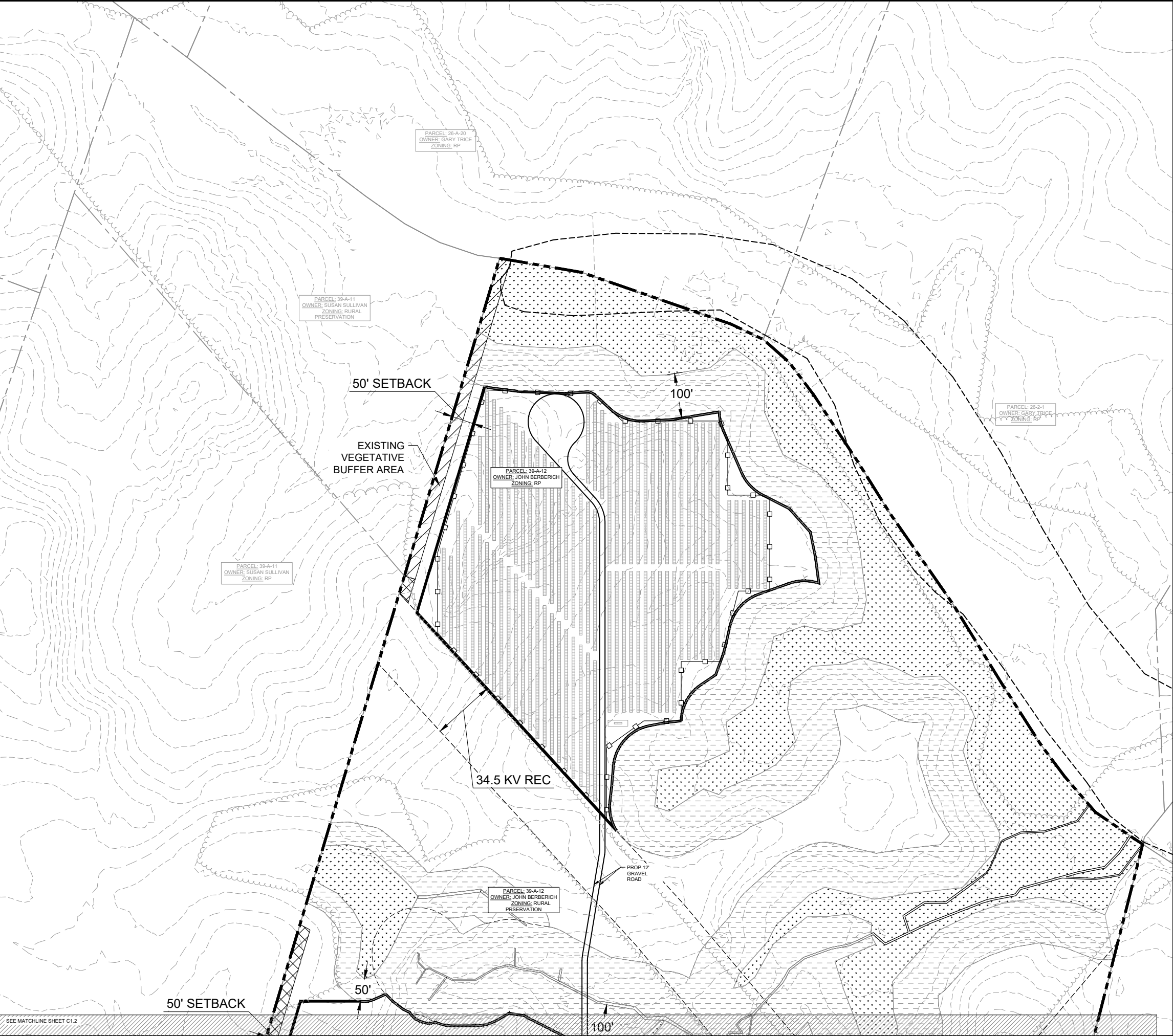
The map also includes a north arrow and a scale bar, providing a clear orientation and measurement reference for the proposed solar farm layout.



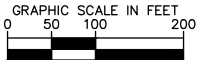
ACEHORSE SOLAR PREPARED FOR GOLUNESCO COUNTY	VIRGINIA	KHA PROJECT 110600000	NOT FOR CONSTRUCTION		Kimley»Horn © 2021 KIMLEY-HORN AND ASSOCIATES, INC. 11400 COMMERCE PARK DR., SUITE 400 RESTON, VA 20191 PHONE: 703-674-1300 WWW.KIMLEY-HORN.COM	SOLunesco 1818 LIBRARY STREET, SUITE 500 RESTON, VA 20190 PHONE: 703-674-1307 FAX: 703-574-4084 WWW.SOLUNESCO.COM	DATE	REVISION
		DATE 08/20/2021	SCALE AS SHOWN DESIGNED BY SAH DRAWN BY SAH CHECKED BY SMM					



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SEE MATCHLINE SHEET C1.2



- LEGEND:
- PARCELS UNDER OPTION
  - ADJACENT PARCELS NOT UNDER OPTION
  - DEVELOPMENT ENVELOPE: MAXIMUM EXTENT OF POTENTIAL SOLAR EQUIPMENT AND CLEARING AND GRADING ASSOCIATED WITH ITS CONSTRUCTION
  - EXISTING UTILITY EASEMENT
  - EXISTING TREE LINE PER AERIAL SURVEY
  - PRELIMINARY FENCE LINE
  - PRELIMINARY ROADWAY
  - APPROXIMATE 100-YEAR FLOODPLAIN LIMITS
  - EXISTING CONTOURS (2 FT.)
  - MINIMUM BUFFER AREA CONTAINING NATURAL AREAS WITH MATURE EVERGREEN VEGETATION. MINIMUM THICKNESS 25 FT ALONG ADJACENT PROPERTIES AND 75' ALONG ROW, OR GREATER WHERE SHOWN.
  - MINIMUM BUFFER AREAS TO BE PLANTED WITH 2 ROWS OF EVERGREENS SPACED 15' O-C AND 4' TALL AT PLANTING. MINIMUM THICKNESS 25 FT ALONG ADJACENT PROPERTIES AND 75' ALONG ROW, OR GREATER WHERE SHOWN. NO ADDITIONAL, NATURAL OCCURRING VEGETATION WILL BE REMOVED FOR THE LIFE OF THE PROJECT.
  - FIELD DELINEATED WETLANDS WITH 50' OR 100' SETBACKS, USACE CONFIRMATION PENDING. NO VEGETATION WILL BE REMOVED FROM WETLANDS FOR THE LIFE OF THE PROJECT
  - 50 WETLAND SETBACK AND 100 FT RPA, EXACT LOCATIONS TO BE TO BE FINALIZED WITH USACE CONFIRMATION OF FIELD DELINEATED WETLANDS.
  - RESIDENTIAL STRUCTURES WITHIN 300' OF THE DEVELOPMENT ENVELOPE
  - PRELIMINARY PANEL ARRAYS
  - PRELIMINARY INVERTER PAD
  - FULL ROW
  - PARTIAL ROW

- NOTES:
- NO DOCUMENTED CULTURAL RESOURCES WERE IDENTIFIED ON THE VIRGINIA DEPARTMENT OF HISTORIC RESOURCES' VIRGINIA CULTURAL RESOURCE INFORMATION SYSTEM. FURTHER STUDIES WILL BE CONDUCTED IF WARRANTED.
  - THE SOLAR EQUIPMENT LAYOUT SHOWN IS PRELIMINARY. FINAL LAYOUT WILL BE SUBMITTED WITH THE FINAL SITE PLAN, BUT WILL STAY WITHIN THE CONFINES OF THE DEVELOPMENT ENVELOPE.
  - USACE CONFIRMED WETLANDS TO BE INCLUDED ON FINAL SITE PLAN AND AVOIDED BY FINAL LAYOUT.
  - ACCESS POINT 2 USES EXISTING DRIVEWAY. APPLICANT WILL CONFIRM VDOT APPROVAL FOR ACCESS POINTS PRIOR TO SUBMITTAL OF FINAL SITE PLAN. FINAL SITE PLAN WILL INCLUDE SIGHT DISTANCES.
  - BUFFER AREAS WILL BE TRUE TO THE COMMITMENTS SHOWN ON MINIMUM THICKNESS AND LOCATION WITHIN THE SETBACK AREA BETWEEN THE PROPERTY LINE AND SOLAR EQUIPMENT, AROUND THE ENTIRE FACILITY. EXACT LOCATIONS WITHIN THE SETBACK MAY CHANGE IN ORDER TO CREATE A MORE EFFICIENT AND/OR EFFECTIVE VISUAL BUFFER. FINAL BUFFER AREA LAYOUT WILL BE SUBMITTED TO CAROLINE COUNTY AS PART OF THE FINAL SITE PLAN REVIEW PROCESS.

SITE BREAKDOWN	
PROPERTY AREA	145.95 AC
DEVELOPMENT ENVELOPE	58.12 AC
PRELIMINARY FENCED AREA	48.67 AC
PRELIMINARY MW OUTPUT	12 MW <sub>AC</sub>

DATE	REVISION

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110600000	08/20/2021	AS SHOWN	SAH	SAH	SMM

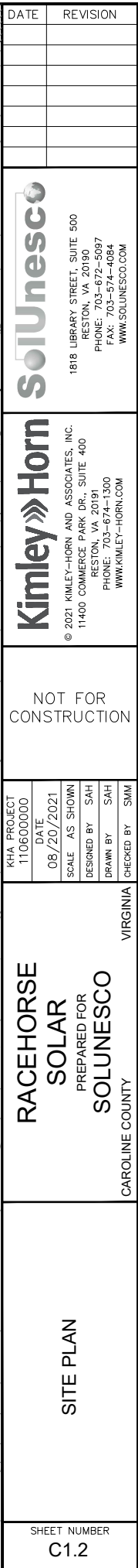
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SOLAR  
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SOLUNESCO  
CAROLINE COUNTY

SITE PLAN	SHEET NUMBER
	C1.1



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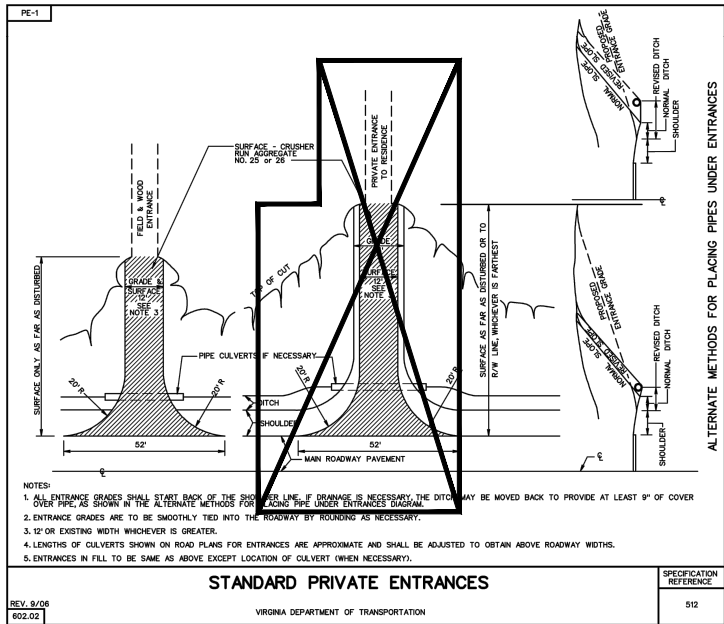
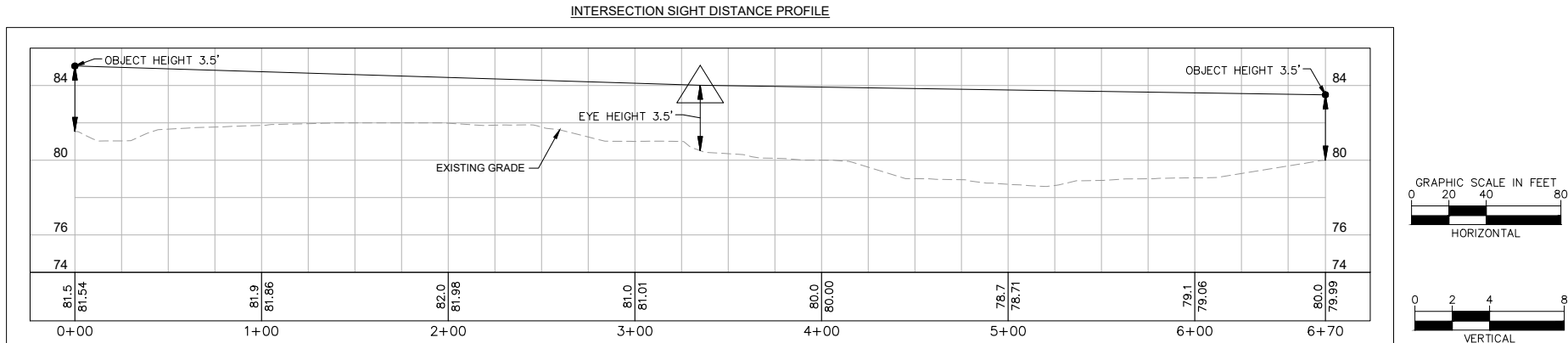
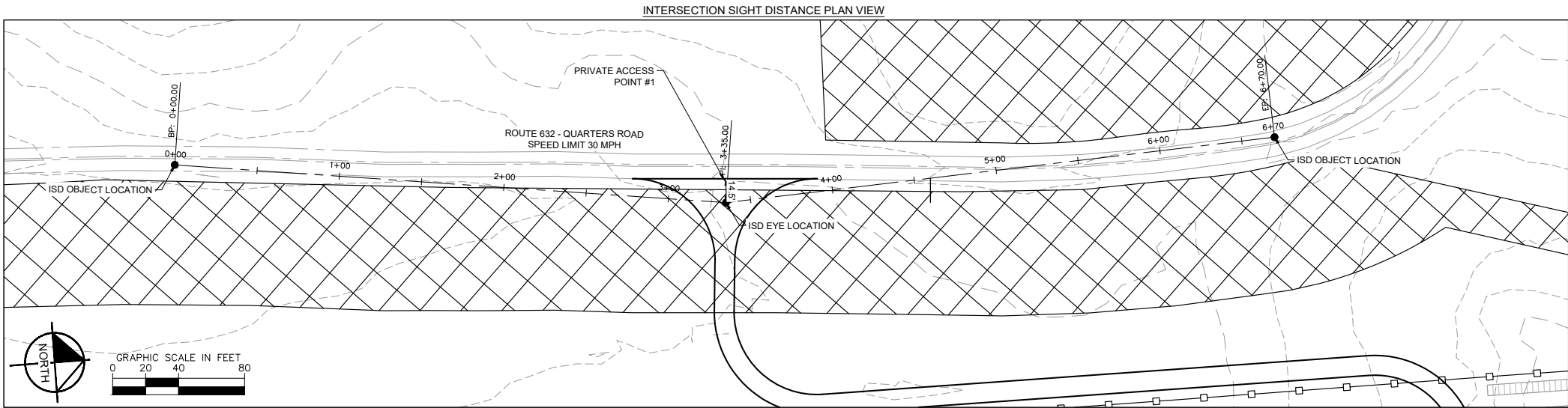
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# SITE PLAN

SHEET NUMBER  
C1.2

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NOTE:

1. PERMITTEE WILL BE RESPONSIBLE FOR ENSURING THAT ALL ENTRANCE DRAINAGE DOES NOT FLOW ONTO THE EXISTING ROAD.
2. PERMITTEE WILL BE RESPONSIBLE FOR REMOVING AND CLEANING ANY MUD TRACKED FROM THE PROJECT SITE ONTO THE EXISTING ROADWAY.
3. VEGETATION IMPEDING SIGHT LINES WILL BE TRIMMED TO ALLOW FOR SIGHT LINES.

INTERSECTION SIGHT DISTANCE		
	AVAIL.	REQ.*
SDR	335'	335'
SDL	335'	335'

\*BASED UPON POSTED SPEED OF 30 MPH

DATE	REVISION

Kimley»Horn	
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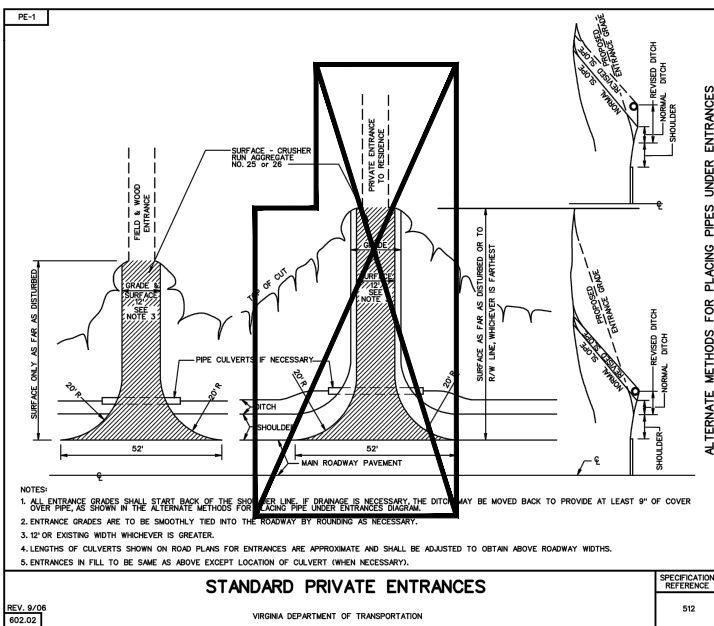
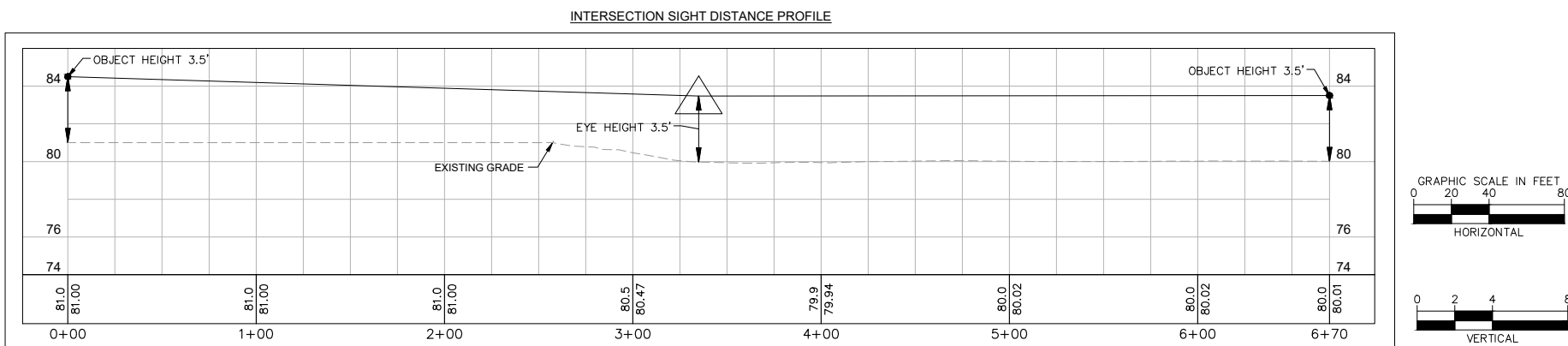
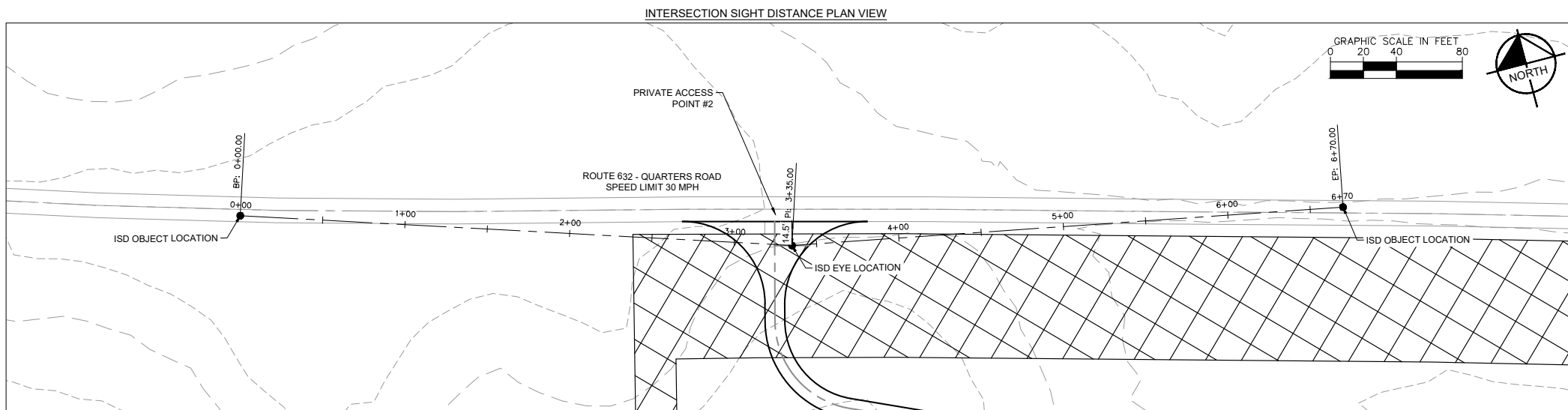
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VIRGINIA	

VDOT ENTRANCE PLAN 1	
SHEET NUMBER C2.0	

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	AVAIL.	REQ.*
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SDL	335'	335'

\*BASED UPON POSTED SPEED OF 30 MPH

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VDOT ENTRANCE PLAN 2

SHEET NUMBER  
C2.1