

- LEGEND:**
- LOD
  - PROPERTY LINE
  - FLOODPLAIN
  - STREAM
  - VARIABLE WIDTH STREAM BUFFER
  - 100' TOP OF STREAM BANK OFFSET
  - EX. TREELINE
  - PROP. DRAINAGE AREA
  - 100' SHEETFLOW @ 3.00%
  - EX. PROP. TC PATHS
  - BOG TURTLE HABITAT + BUFFER
  - WETLAND + BUFFER
  - GRASSMEADOW WITHIN LOD
  - PROP. IMPERVIOUS AREA WITHIN LOD
  - PROPOSED WATER RESOURCE PROTECTION EASEMENT
  - EX. FOREST CONSERVATION DEED OF EASEMENT
  - PROP. LANDSCAPE BUFFER
  - TREE CLEARING AREA (±0.15 AC.)
  - LEVEL SPREADER

CALL "MISS UTILITY" AT 1-800-257-7777 FOR UTILITY LOCATIONS AT LEAST 5 DAYS PRIOR TO BEGINNING CONSTRUCTION.

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. 42,429, EXPIRATION DATE: 06-06-2026



920 N. EAST STREET FREDERICK, MD 21701  
 P: 301.696.9040 WWW.DMW.COM

**ESD DRAINAGE AREA MAP  
 SWM CONCEPT PLAN  
 CONCEPT SITE  
 DEVELOPMENT PLANS**  
 for  
**CAPE HORN ROAD SOLAR**  
 CARROLL COUNTY MD

**OWNER**  
 ANDREW M. & LORI ANN BARNARD  
 13141 JESSE SMITH ROAD  
 MOUNT AIRY, MD 21771

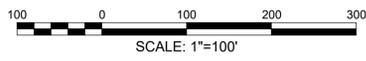
**DEVELOPER**  
 2700 CAPE HORN ROAD, LLC  
 c/o PIVOT ENERGY - JOHN SHIELDS  
 6865 DEERPATH ROAD, SUITE 330  
 ELKRIEGE, MD 21075  
 410-709-4987

DATE	BY	REVISIONS

SEAL: [Professional Engineer Seal]  
 INITIAL SUB: 02/20/2026  
 SCALE: 1" = 100'  
 DRAWN: JNS  
 DESIGNED: JHV  
 CHECKED BY: DSM  
 PROJECT NO.: 23713  
 DRAWING: 3 of 10  
 02/20/2026

Impervious Area Description	Length (FT)	Width (FT)	Area (SF)	Quantity	Total Area (SF)	Comments
Inverter/Equipment Pads (Concrete / Gravel)	20	8	160	3	480	Inverter Pad Site
Storage Container	20	10	200	1	200	Storage
Solar Panels	Varies	7.5	117,800		117,800	Not included in total
Solar Panel Posts (W6x25)			0.05	1,151	59	Conceptual / Approximate
Entrance & Array Field Access Ways (Gravel)	Varies	18	12,834	1	12,834	Excludes Grass Access Ways
<b>Total Impervious Area</b>					<b>13,573</b>	<b>SF</b>
					0.31	<b>Acres</b>

Facility Type	DA #	Drainage Area Treated (F12)	Impervious Area Treated (F12)	Required PE (In)	Proportion of Target ESDv	Proportion of Target ESDv (F13)	ESDv Provided (F13)	Design PE (In)	Effective RCN
N-2 - Disconnection of Non-Rooftop Runoff	1	396,537	3,491	1.0	48%	1,914	1,914	1.0	60
N-2 - Disconnection of Non-Rooftop Runoff	2	259,038	3,454	1.0	34%	1,338	1,338	1.0	60
N-2 - Disconnection of Non-Rooftop Runoff	3	52,233	6,428	1.0	18%	700	700	1.0	60
<b>Totals:</b>		<b>707,809</b>	<b>13,373</b>	<b>1.0</b>	<b>100%</b>	<b>3,952</b>	<b>3,952</b>	<b>1.0</b>	<b>60</b>



V:\2023\CAPE HORN RD SOLAR\DWG\FILES\SHEET FILES\23713.DWG, 2/19/2026 5:51 PM, mhw