GENERAL NOTES

- THE PROJECT IS IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS UNLESS WAIVERS HAVE BEEN APPROVED. THE EXISTING TOPOGRAPHY SHOWN HEREON IS BASED ON A TOPOGRAPHIC SURVEY PREPARED BY VOGEL ENGINEERING+TIMMONS GROUP WITHIN
- THE SOLAR AREA DATED SEPTEMBER 2019. OTHER TOPOGRAPHY FROM HOWARD COUNTY GIS. THE PROJECT BOUNDARY IS BASED ON A BOUNDARY SURVEY PERFORMED BY VOGEL ENGINEERING+TIMMONS GROUP DATED SEPTEMBER 2019
- THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM. HOWARD COUNTY MONUMENT NOS. 09AB AND 09BM1 WERE USED FOR THIS PROJECT.
- THE SUBJECT PROPERTY IS ZONED "RC-DEO" IN ACCORDANCE WITH THE 10/6/13 ZONING REGULATIONS, AND IS SUBJECT TO THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS EFFECTIVE 10/2/03 PER COUNCIL BILL 75-2003.
- NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, PAVING AND NEW STRUCTURES SHALL BE PERMITTED WITHIN THE WETLANDS, STREAM(S) OR THEIR REQUIRED BUFFERS, FOREST CONSERVATION EASEMENT AREAS AND 100-YEAR FLOODPLAIN.
- THERE IS NO FEMA 100 YEAR FLOODPLAIN LOCATED ON-SITE. NO STEEP SLOPES OVER 20,000 SF CONTIGUOUS ARE LOCATED ONSITE.
- . FOREST CONSERVATION OBLIGATIONS FOR THIS PROJECT SHALL BE ADDRESSED BY A FOREST CONSERVATION PLAN SUBMITTED WITH THE SITE DEVELOPMENT PLAN.
- 10. WETLANDS SHOWN ONSITE ARE BASED ON ENVIRONMENTAL REPORT BY ECO-SCIENCE PROFESSIONALS, INC. MR. JOHN CANOLES, DATED AUGUST 23, 2019. THERE ARE NO PROPOSED DISTURBANCES TO WETLANDS AND WETLAND BUFFERS AND STREAM
- GEOTECHNICAL INVESTIGATIONS SHALL BE COMPLETED AND SUBMITTED WITH THE FUTURE SITE DEVELOPMENT PLAN.
- 12. A NOISE STUDY IS NOT REQUIRED FOR THIS SITE. 13. SYKESVILLE ROAD (MD ROUTE 32) IS AN INTERMEDIATE ARTERIAL ROAD AND DAY ROAD IS LOCAL ROAD. NEITHER ROAD IS CONSIDERED
- THE OWNERS KNOWLEDGE, THERE ARE NO BURIAL GROUNDS, CEMETERIES, OR HISTORIC STRUCTURES LOCATED ON THIS 15. STORMWATER MANAGEMENT FOR THE PROJECT IS PROVIDED BY THE USE OF STRUCTURAL AND NON-STRUCTURAL PRACTICES IN
- ACCORDANCE WITH ENVIRONMENTAL SITE DESIGN CRITERIA. NON-STRUCTURAL PRACTICES INCLUDE NON ROOFTOP DISCONNECTION (N-2), MICRO BIO RETENTION (M-6), AND STRUCTURAL PRACTICES INCLUDE LEVEL SPREADERS. THESE FACILITIES WILL BE PRIVATELY OWNED AND
- 6. APPROVAL OF THIS ENVIRONMENTAL CONCEPT PLAN (ECP) DOES NOT CONSTITUTE AN APPROVAL OF ANY SUBSEQUENT AND ASSOCIATED SUBDIVISION PLAN/PLAT AND/OR SITE DEVELOPMENT PLAN AND/OR RED-LINE REVISION PLAN. REVIEW OF THIS PROJECT FOR COMPLIANCE WITH THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE HOWARD COUNTY ZONING REGULATIONS SHALL OCCUR AT THE SUBDIVISION PLAN/PLAT AND/OR SITE DEVELOPMENT PLAN AND/OR RED-LINE REVISION PROCESS. THE APPLICANT AND CONSULTANT SHOULD EXPECT ADDITIONAL AND MORE DETAILED REVIEW COMMENTS (INCLUDING COMMENTS THAT MAY ALTER THE OVERALL
- SITE DESIGN) AS THIS PROJECT PROGRESSES THROUGH THE PLAN REVIEW PROCESS. 7. APPROVAL OF THIS ENVIRONMENTAL CONCEPT PLAN (ECP) BY THE HOWARD SOIL CONSERVATION DISTRICT DOES NOT GRANT APPROVAL OF THE PROPOSED SEDIMENT CONTROL SCHEME. THE SITE DEVELOPMENT PLAN SHALL INCLUDE A SEQUENCE OF CONSTRUCTION WHICH SHALL DETAIL
- SEDIMENT & EROSION CONTROLS AND PHASING AND ADDRESS THE PROJECT TEMPORARY STORMWATER MANAGEMENT REQUIREMENTS. 18. ISOLATED, SURFACE SMOOTHING AND/OR FINE GRADING MAY BE REQUIRED TO SUPPORT SOLAR EQUIPMENT INSTALLATION. HOWEVER. NO MASS GRADING WILL BE REQUIRED. ISOLATED FINE GRADES WILL BE PROVIDED WITH SITE DEVELOPMENT PLAN SUBMISSION.
- 19. THE SUBJECT PROPERTY IS SUBJECT TO THE HOWARD COUNTY LAND PRESERVATION PROGRAM, REFERENCE EASEMENT HO-85-04-E. 20. WETLAND AND ENVIRONMENTAL REPORT WAS PREPARED BY ECO-SCIENCE PROFESSIONALS, INC. C/O MR. JOHN CANOLES, AUGUST 23, 2019. -NO WTLANDS, STREAMS AND THEIR BUFFERS ARE PRESENT WITHIN THE PROJECT AREA. -ONE (1) SPECIMEN TREE WAS FOUND ONSITE.
 - NO FOREST IS PRESENT WITHIN THE PROJECT LIMITS.

ENVIRONMENTAL SITE DESIGN NARRATIVE

THE WETLAND OR THE WETLAND BUFFER.

RETENTIONS (M-6), AND LEVEL SPREADERS.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION 1/40

CHIEF, DIVISION OF LAND DEVELOPMENT NA

NATURAL DRAINAGE PATTERN.

(ESDV) PROVIDED IS 4,514 CF.

LOCATED WITHIN PROXIMITY OF THE PROPOSED DRIVEWAY. A FORESTED EDGE IS

2. THE SITE NATURALLY SLOPES FROM THE WEST TO EAST. THE SITE HAS BEEN

1. THERE ARE ENVIRONMENTAL FEATURES LOCATED ON THE SOUTHERN AND NORTHERN PART OF THE SITE WHICH INCLUDE SMALL WETLAND AREA. A SPECIMEN TREE IS

PRESENT TO THE WEST OF THE PROPOSED SOLAR ARRAY ALONG THE PROPERTY LINE AND EXTEND TO THE ADJACENT PROPERTY. THERE IS NO PROPOSED DISTURBANCE TO

DESIGNED TO MAINTAIN THE NATURAL DRAINAGE PATTERNS, WITH NO CHANGES TO THE

THE CONCEPTUAL REDUCTION IN IMPERVIOUS AREA THROUGH BETTER SITE DESIGN IS ACHIEVED THROUGH THE ENVIRONMENTAL SITE DESIGN (ESD) FOR THE PROJECT TO

DESIGN FOR THIS PROJECT WILL REFLECT "WOODS IN GOOD CONDITION". THE ESD

CONCEPT INCLUDES THE USE OF NON ROOFTOP DISCONNECTION (N-2), MICRO BIO

4. SEDIMENT CONTROL FOR THIS SPECIFIC SITE PLAN WILL BE PROVIDED THROUGH

THE USE A PROPOSED SILT FENCE PERIMETER CONTROLS. SEDIMENT CONTROL SHALL

BE IN ACCORDANCE WITH CURRENT REQUIREMENTS AND SHALL BE APPROVED BY THE

HOWARD SOIL CONSERVATION DISTRICT DURING THE FUTURE SITE DEVELOPMENT PLAN

5. STORMWATER MANAGEMENT FOR THE PROJECT SHALL BE MET THROUGH THE USE

THE CALCULATED RAINFALL TARGET (PE) FOR THIS PROJECT IS 1.0", THE TOTAL

6. AT THIS CONCEPT STAGE OF DEVELOPMENT, NO DESIGN MANUAL WAIVERS ARE

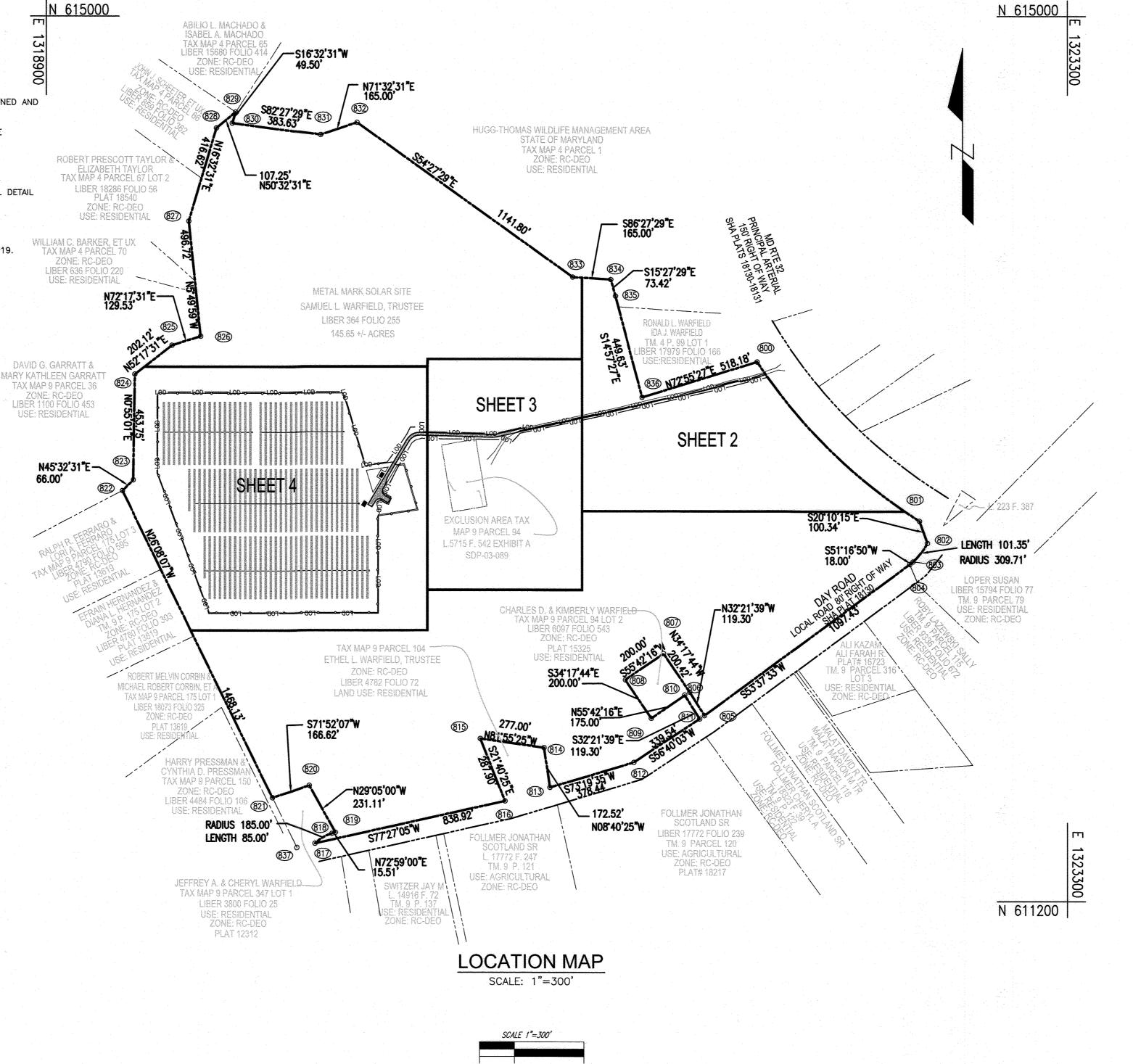
RUNOFF VOLUME (ESDV) REQUIRED IS 4,490 CF. AND THE TOTAL RUNOFF VOLUME

OF NON ROOFTOP DISCONNECTION (N-2), MICRO BIO RETENTIONS (M-6), AND LEVEL SPREADERS. PROPOSED PRACTICES HAVE BEEN MAXIMIZED TO THE EXTENT PRACTICAL.

THE MAXIMUM EXTENT PRACTICABLE (MEP). THE RESULTS OF THE ENVIRONMENTAL SITE

ENVIRONMENTAL CONCEPT PLAN METAL MARK SOLAR

700 SYKESVILLE ROAD HOWARD COUNTY, MARYLAND



SITE ANALYSIS DATA CHART

- A. TOTAL PROJECT AREA: B. AREA OF PLAN SUBMISSION:
- C. AREA OF WETLANDS AND BUFFERS:
- D. AREA OF FLOODPLAIN: E. AREA OF 100' STREAM BUFFER:
- F. AREA OF FOREST: G. AREA OF STEEP SLOPES (25% & GREATER):
- H. ERODIBLE SOILS: I. LIMIT OF DISTURBED AREA:
- J. PROPOSED USES FOR SITE AND STRUCTURES: SOLAR PANEL FARM K. GREEN OPEN AREA:
- L. PROPOSED IMPERVIOUS AREA: M. PRESENT ZONING DESIGNATION:
- N. OPEN SPACE REQUIRED: O. DPZ FILE REFERENCES:

20.45 AC (SEE CONDITIONAL USE PLAN) 6,740.74 SF OR 0.15 AC. (WITHIN PROPERTY BOUNDARY) 0.00 SF OR 0.00 AC. (WITHIN PROPERTY BOUNDARY) 80,509.35 SF OR 1.84 AC. (WITHIN PROPERTY BOUNDARY) 706,653 SF OR 16.22 AC. (WITHIN PROPERTY BOUNDARY)

422,532 SF OR 9.7± AC. (WITHIN PROPERTY BOUNDARY) 1,263,416.47 SF OR 29.00± AC. (WITHIN PROPERTY BOUNDARY) 818,928.00 SF OR 18.80± AC.

842,529.45± OR 19.34± AC. (WITHIN LOD) 14,221± SF OR 0.33± AC. (WITHIN LOD) RC-DEO

SDP-03-089, BA-19-008C

NOTE:

THIS ECP INCORPORATES THE LIMIT OF DISTURBANCE FOR THE SOLAR PROJECT. THE AREAS OUTSIDE THE LIMIT OF DISTURBANCE ARE NOT INCLUDED IN THE ECP.

ST.1 SILVER MAPLE 67.5" POOR

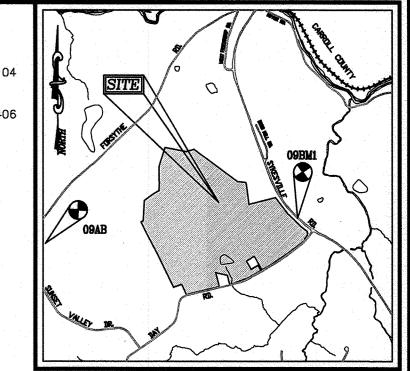
SI	PECIME	EN T	REE C	HART
KEY	DESCRIPTION	SIZE	CONDITION	COMMENTS

TO REMAIN

BENCHMARKS

HOWARD COUNTY BENCHMARK 09BM1 N 600,761.020 E 1,332,632.438 ELEV. 459.104

HOWARD COUNTY BENCHMARK 09AB N 612,167.152 E 1,316,859.812 ELEV. 606.406



VICINITY MAF SCALE: 1"=2000'

ADC MAP COORDINATES: PAGE 11 / GRID A-B 3 & A-B 4

POINT NORTH EAST

COORDINATE

TABLE

LEGEND: ADJACENT PROPERTY LINE EXISTING PAVING LOD LIMIT OF DISTURBANCE AREA

SHEET INDEX				
DESCRIPTION	SHEET NO.			
COVER SHEET	1 OF 6			
LAYOUT, SOILS MAP, GRADING, EROSION AND SEDIMENT CONTROL PLAN	2-4 OF 6			
STORMWATER MANAGEMENT DRAINAGE AREA MAP	5 OF 6			
STORMWATER MANAGEMENT DRAINAGE AREA MAP	6 OF 6			

DEVELOPER

ONEENERGY DEVELOPMENT, LLC 2003 WESTERN AVENUE SUITE 225 SEATTLE, WA 98121 PHONE: 206-922-7072

ATTENTION: KATE LARKIN

OWNER SAMUEL L. WARFIELD TRUSTEE C/O RONALD L WARFIELD 700 ROUTE 32 SKYESVILLE, MD 21784

REVISION **ENVIRONMENTAL CONCEPT PLAN COVER SHEET**

METALMARK SOLAR 700 SYKESVILLE RD SYKESVILLE, MD 21784

ZONED RC-DEO PARCEL 94 HOWARD COUNTY, MARYLAND

VOGEL ENGINEERING

TIMMONS GROUP 3300 NORTH RIDGE ROAD, SUITE 110, ELLICOTT CITY, MD 21043

P: 410.461.7666 F: 410.461.8961 www.timmons.com



TAX MAP 9 BLOCK 3 3RD ELECTION DISTRICT

CHECKED BY: DATE: NOVEMBER 2020 41993

