

DRAWINGS FOR PRELIMINARY SOLAR DEVELOPMENT PLAN

MDL164 LOCUST STREET SOLAR

4 MW AC SOLAR PROJECT

MANCHESTER, CARROLL COUNTY, MARYLAND



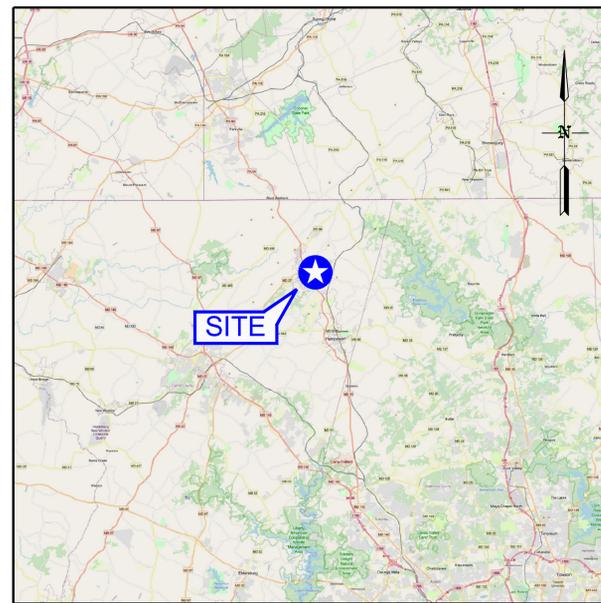
FEBRUARY 2026

LIST OF SHEETS

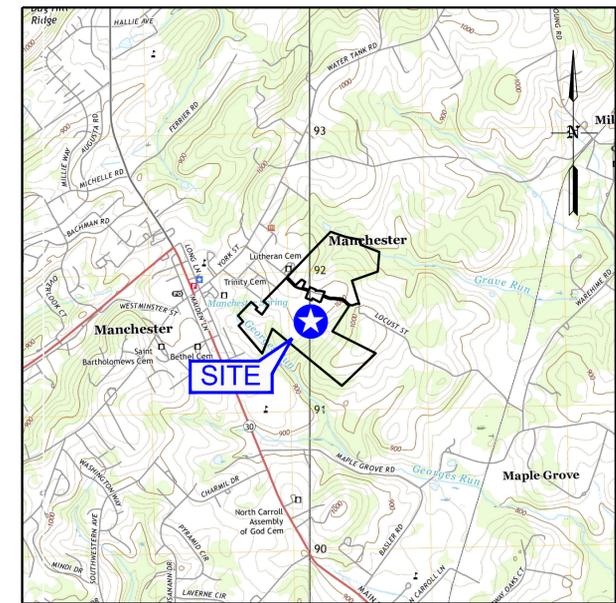
| SHEET NO. | DESCRIPTION |
|-----------|---------------------------------------|
| 1 | COVER SHEET |
| 2 | EXISTING SITE CONDITIONS PLAN |
| 3 | PROPOSED OVERALL SITE CONDITIONS PLAN |
| 4 | PROPOSED SITE 1 CONDITIONS PLAN |
| 5 | PROPOSED SITE 2 CONDITIONS PLAN |
| 6-7 | PROPOSED SITE DETAILS |
| 8 | PROPOSED NOTES |

PROJECT SITE:

1. EXISTING ZONING / USE: AGRICULTURAL
2. PROPOSED USE: COMMUNITY SOLAR ENERGY GENERATING SYSTEM (CSEGS)
3. TOTAL SITE AREA: 53.1 AC.
4. TOTAL PROPOSED DEVELOPMENT AREA (LIMIT OF DISTURBANCE): 1,291,123 SF (29.64 AC)
5. TOTAL REMAINING PROPERTY AREA: 23.46 AC.
6. COMMISSIONER AND ELECTION DISTRICT: 06, COUNTY: CARROLL, STATE: MARYLAND
7. TAX MAP: 0023, GRID: 0018, PARCEL NUMBER: 0779
8. 8 DIGIT WATERSHED: 02130806 (PRETTYBOY RESERVOIR)
- 8.1. 12 DIGIT WATERSHED: 020600030302
9. SYSTEM SIZE: ARRAY SITE #1 (2654 KW dc / 2000 KW ac.) ARRAY SITE #2 - (2654 KW dc / 2000 KW ac.)
10. NO HAZARDOUS OR REGULATED SUBSTANCES WILL BE USED, TRANSFERRED, OR STORED ON SITE.
11. NO LIGHTING IS PROPOSED FOR THIS PROJECT, THEREFORE NO LIGHTING PLAN IS REQUIRED
12. NEAREST WATER SUPPLY IS LOCATED AT: 3337 VICTORY STREET, MANCHESTER, MD 21102



VICINITY MAP
SCALE: 1" = 5 Miles



LOCATION MAP
SCALE: 1" = 2000'

PREPARED FOR:
PIVOT ENERGY
1601 WEWATTA STREET, SUITE 700
DENVER, CO, 80202

PROPERTY OWNER INFORMATION:
THREE RUSSELLS LLC
480 S HEATHWOOD DR
MARCO ISLAND FL 34145-0000

OWNER/DEVELOPER CERTIFICATION
I CERTIFY THAT THIS PLAN OF SOIL EROSION & SEDIMENT CONTROL WILL BE IMPLEMENTED TO THE FULLEST EXTENT, AND ALL STRUCTURES WILL BE INSTALLED TO THE DESIGN AND SPECIFICATIONS AS SPELLED OUT IN THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION OF THIS PROJECT WILL HAVE A CERTIFICATION OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SOIL EROSION AND SEDIMENT BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE EVALUATION BY THE CARROLL SOIL CONSERVATION DISTRICT PERSONNEL AND COOPERATING AGENCIES.

DEVELOPER _____ DATE _____
PRINTED NAME OF DEVELOPER _____ DATE _____
DEVELOPER COMPANY NAME _____ DATE _____
DEVELOPER PHONE NUMBER _____ DATE _____

SOIL CONSERVATION DISTRICT
THE DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE SOIL CONSERVATION DISTRICT.

APPROVED _____ CARROLL S.C.D./DATE _____



PREPARED BY:



ARM Group LLC
Engineers and Scientists
www.armgroup.net

HEADQUARTERS:
1129 West Governor Road • Hershey, PA 17033-0797
Ph: (717) 533-8600 Fax: (717) 533-8605

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. 84291 EXPIRATION DATE: 02/26/2027

MISS UTILITY
CALL "MISS UTILITY" AT 1-800-257-7777, 72 HOURS PRIOR TO THE START OF WORK. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDER GROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION.

ENGINEER
I CERTIFY THAT THIS PLAN OF SEDIMENT CONTROL IS DESIGNED WITH MY PERSONAL KNOWLEDGE OF THE SITE CONDITION AND HAS BEEN DESIGNED TO THE STANDARDS AND SPECIFICATIONS ADOPTED BY THE CARROLL SOIL CONSERVATION DISTRICT.

ENGINEER/DATE

| No. | Date | Revision |
|-----|------|----------|
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| AS NOTED | 2/17/2026 |
| KDC | 24011823 |
| CLE | |

COVER SHEET
PRELIMINARY SOLAR DEVELOPMENT PLAN
MDL164 LOCUST STREET SOLAR
CARROLL COUNTY, MARYLAND

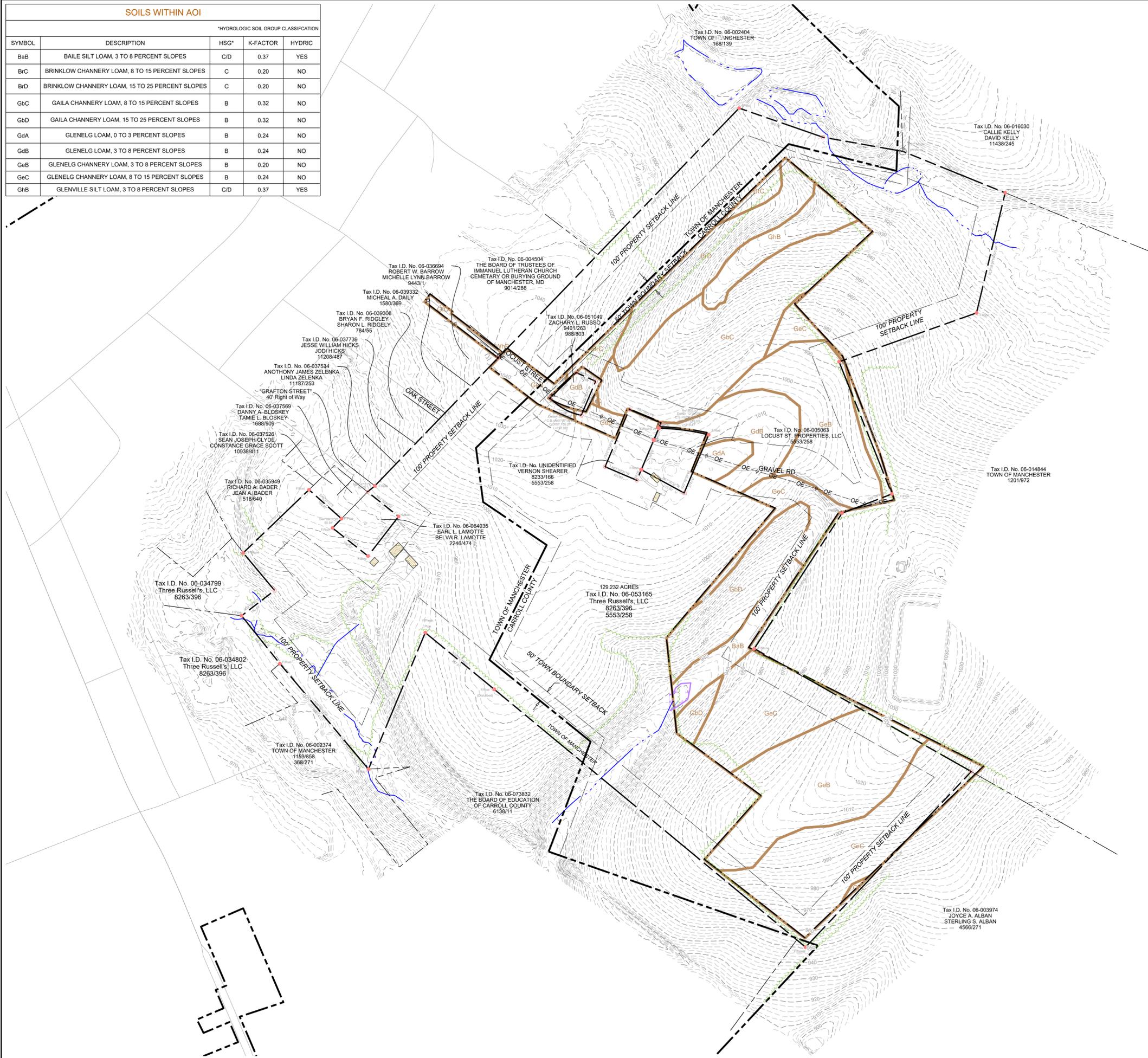
S-25-0036

Sheet **1**

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SOILS WITHIN AOI

| *HYDROLOGIC SOIL GROUP CLASSIFICATION | | | | |
|---------------------------------------|---|------|----------|--------|
| SYMBOL | DESCRIPTION | HSG* | K-FACTOR | HYDRIC |
| BaB | BAILE SILT LOAM, 3 TO 8 PERCENT SLOPES | C/D | 0.37 | YES |
| BrC | BRINKLOW CHANNERY LOAM, 8 TO 15 PERCENT SLOPES | C | 0.20 | NO |
| BrD | BRINKLOW CHANNERY LOAM, 15 TO 25 PERCENT SLOPES | C | 0.20 | NO |
| GbC | GAILA CHANNERY LOAM, 8 TO 15 PERCENT SLOPES | B | 0.32 | NO |
| GbD | GAILA CHANNERY LOAM, 15 TO 25 PERCENT SLOPES | B | 0.32 | NO |
| GdA | GLENELG LOAM, 0 TO 3 PERCENT SLOPES | B | 0.24 | NO |
| GdB | GLENELG LOAM, 3 TO 8 PERCENT SLOPES | B | 0.24 | NO |
| GeB | GLENELG CHANNERY LOAM, 3 TO 8 PERCENT SLOPES | B | 0.20 | NO |
| GeC | GLENELG CHANNERY LOAM, 8 TO 15 PERCENT SLOPES | B | 0.24 | NO |
| GhB | GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES | C/D | 0.37 | YES |



NOTES:

- THE BASE MAP HAS BEEN CREATED USING LIDAR DATA PROVIDED BY PASDA.
- THIS PLAN IS IN THE MARYLAND STATE PLANE, NORTH AMERICAN DATUM 1983 (NAD 83) COORDINATE SYSTEM.
- ALL DIMENSIONS TO BE CONFIRMED ON-SITE PRIOR TO CONSTRUCTION.
- ALL DIMENSIONS ARE INDICATIVE ONLY AND IN FT. UNLESS OTHERWISE SPECIFIED.
- THE PROJECT DOES NOT REQUIRE WATER OR SEWAGE SYSTEMS.
- THERE WILL BE NO USE, TRANSFER, OR STORAGE OF HAZARDOUS OR REGULATED SUBSTANCES ON-SITE FOR THE PROJECT.
- THE PROJECT IS NOT LOCATED WITHIN A TIER II CATCHMENT AREA.

LEGEND

NOTE: LEGEND IS TYPICAL, NOT ALL OBJECTS IN LEGEND APPEAR IN PLAN.

- EXISTING CONTOURS
- SURVEYED PROPERTY BOUNDARY
- ADJOINING PROPERTY LINE
- APPROXIMATE LOCATION OF MUNICIPAL BOUNDARY LINE
- EXISTING SETBACK
- EXISTING ACCESS EASEMENT
- EXISTING MONUMENT
- EXISTING SOIL BOUNDARY & DESCRIPTOR
- EXISTING VERIFIED WETLANDS
- EXISTING WATERCOURSE
- EXISTING TREELINE
- EXISTING UTILITY POLE
- EXISTING OVERHEAD ELECTRIC
- EXISTING STRUCTURE
- EXISTING GRAVEL ROAD

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| No. | By | Date | Revision |
|-----|----|------|----------|
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| Prepared by | ARM | Scale | 1" = 200' |
| Checked by | KDC | Date | 2/17/2026 |
| Drawn by | CLE | Project No. | 24011823 |
| Plot Date | | Scale | SCALE IN FEET |

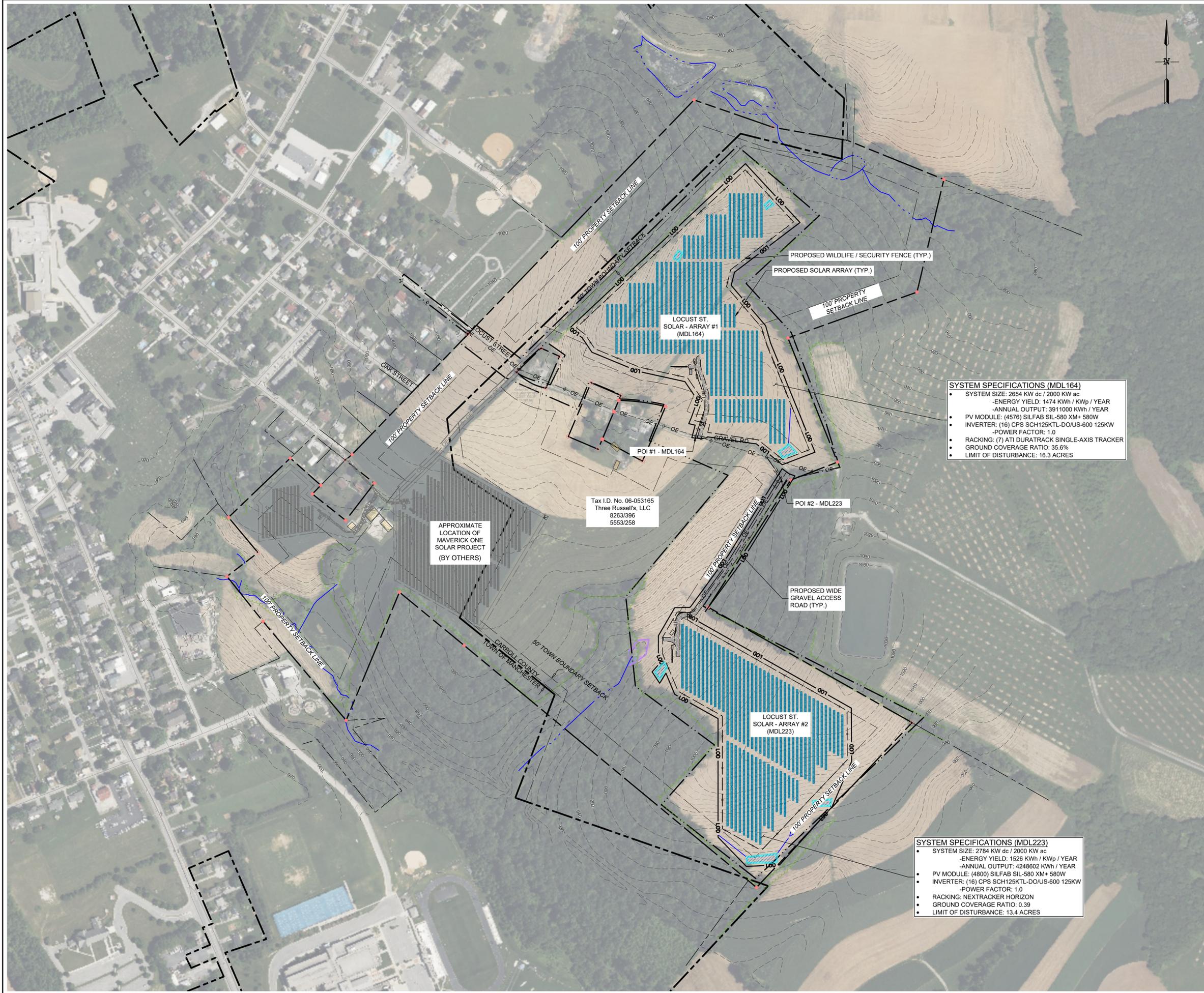
EXISTING SITE CONDITIONS PLAN
PRELIMINARY SOLAR DEVELOPMENT PLAN
MDL164 LOCUST STREET SOLAR
CARROLL COUNTY, MARYLAND



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LICENSE NO. 64291 EXPIRATION DATE: 02/20/2026

S-25-0036

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 - UE --- UE PROPOSED UNDERGROUND ELECTRIC
 - PROPOSED ACCESS ROAD
 - PROPOSED FENCE
 - PROPOSED EQUIPMENT PAD
 - PROPOSED SINGLE-AXIS TRACKER ARRAY
 - L00 PROPOSED LIMITS OF DISTURBANCE
 - PROPOSED APPROXIMATE CHANNEL
 - PROPOSED APPROXIMATE BASIN

SYSTEM SPECIFICATIONS (MDL164)

- SYSTEM SIZE: 2654 KW dc / 2000 KW ac
- ENERGY YIELD: 1474 KWh / KWp / YEAR
- ANNUAL OUTPUT: 3911000 KWh / YEAR
- PV MODULE: (4576) SILFAB SIL-580 XM+ 580W
- INVERTER: (16) CPS SCH125KTL-DO-US-600 125KW
- POWER FACTOR: 1.0
- RACKING: (7) ATI DURATRACK SINGLE-AXIS TRACKER
- GROUND COVERAGE RATIO: 35.6%
- LIMIT OF DISTURBANCE: 16.3 ACRES

SYSTEM SPECIFICATIONS (MDL223)

- SYSTEM SIZE: 2784 KW dc / 2000 KW ac
- ENERGY YIELD: 1526 KWh / KWp / YEAR
- ANNUAL OUTPUT: 4248602 KWh / YEAR
- PV MODULE: (4800) SILFAB SIL-580 XM+ 580W
- INVERTER: (16) CPS SCH125KTL-DO-US-600 125KW
- POWER FACTOR: 1.0
- RACKING: NEXTRACKER HORIZON
- GROUND COVERAGE RATIO: 0.39
- LIMIT OF DISTURBANCE: 13.4 ACRES

- SITE SPECIFICATIONS:**
- JURISDICTION: CARROLL COUNTY
 - PARCEL ID: 0023-0018-0779
 - PARCEL AREA: 127.45 ACRES
 - ZONING CLASSIFICATION: RESIDENTIAL (R-40,000)
 - ZONING SETBACKS: 100' FROM PROPERTY BOUNDARY
 - SETBACKS ARE AS PER STATE-WIDE SITING LAW
 - UTILITY: BGE
 - INTERCONNECTION SERVICE VOLTAGE: 33kv
 - ASHRAE 2% AVG. HIGH TEMP: 34.9°C
 - ASHRAE EXTREME LOW TEMP: -15.7°C
 - APPROXIMATE GRADING REQUIRED:
 - CUT: 6,856 YD³
 - FILL: 16,677 YD³
 - TREE REMOVAL REQUIRED: NONE
 - TOTAL LIMIT OF DISTURBANCE AREA: 29.64 ACRES



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| Prepared By: ARM | Checked By: KDC | Drawn By: CLE | Date: 2/17/2026 |
| Project No: 24011823 | Scale: 1" = 200' | Revision: | Date: |

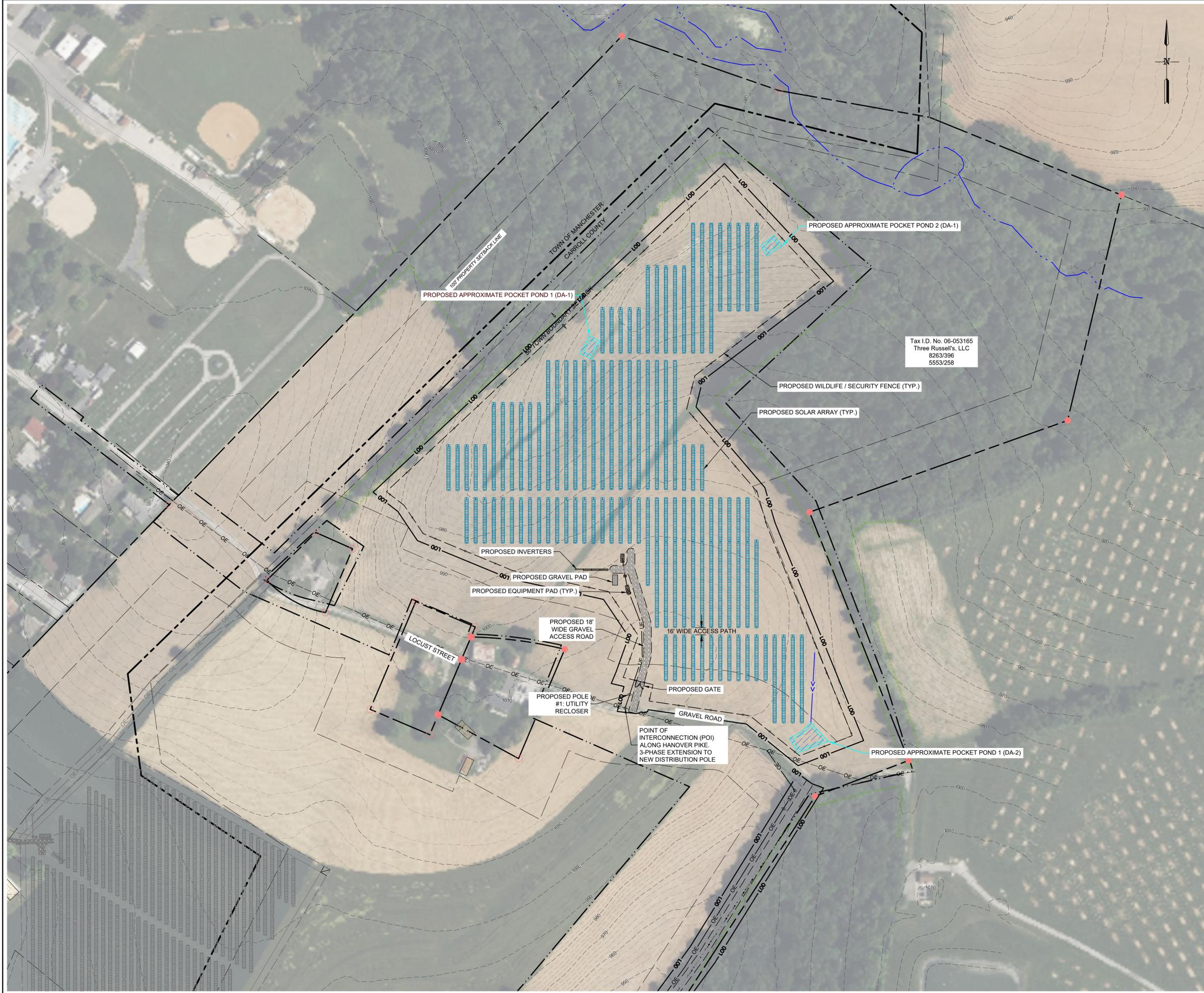
PROPOSED OVERALL SITE CONDITIONS PLAN
PRELIMINARY SOLAR DEVELOPMENT PLAN

MDL164 LOCUST STREET SOLAR

CARROLL COUNTY, MARYLAND

Sheet **3**

S-25-0036



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| | PROPOSED LIMITS OF DISTURBANCE |
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Tax I.D. No. 06-053165
 Three Russell's, LLC
 8263/396
 5553/258



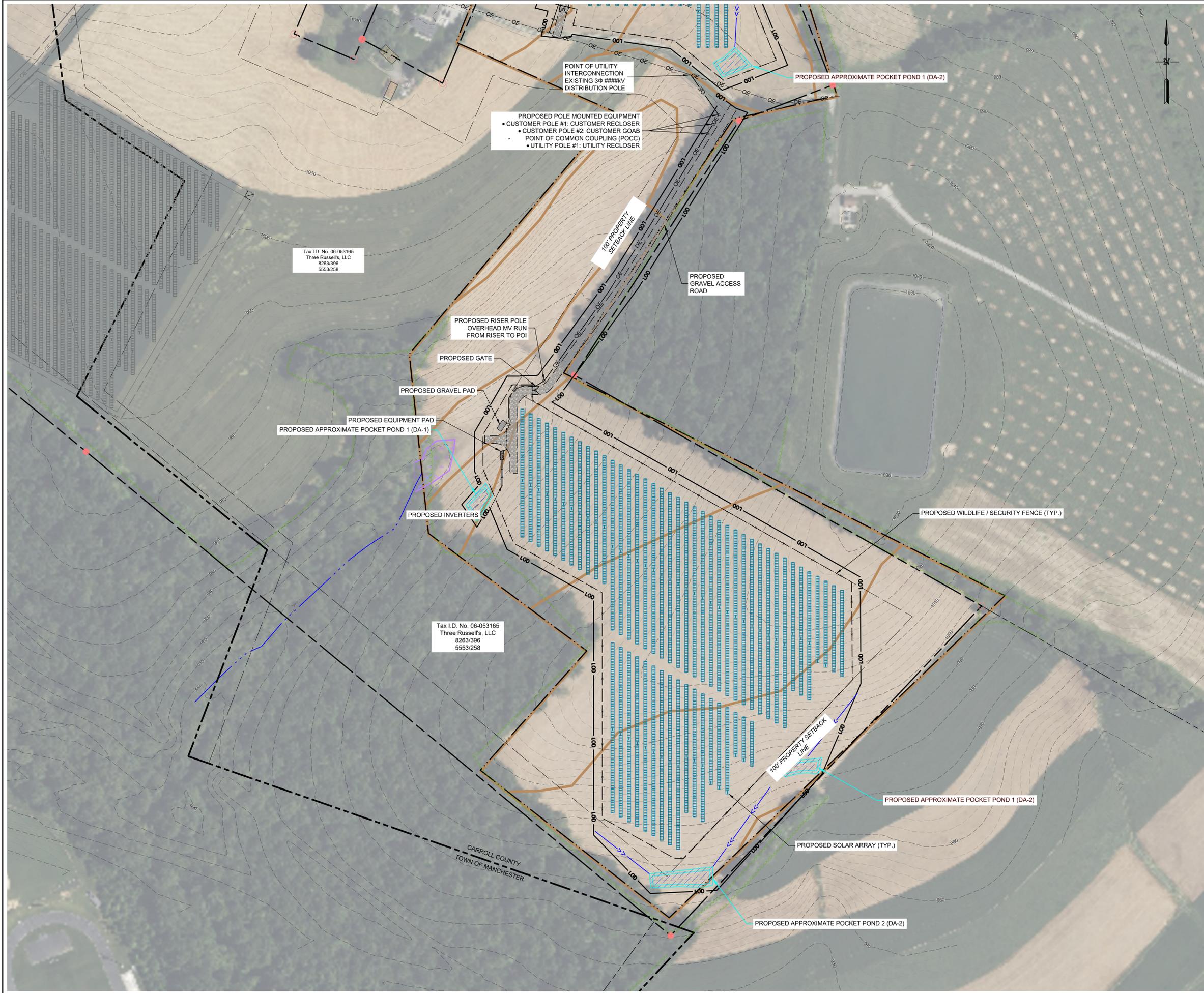
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|---------------|-----|-------------|--------------------------------|
| Prepared By | ARM | Scale | 1" = 100' |
| Checked By | KDC | Date | 2/17/2026 |
| Drawn By | CLE | Project No. | 24011823 |
| Printed Scale | | | 0 100 200 300 SCALE IN FEET |
| Revision | | No. | |

PROPOSED SITE 1 CONDITIONS PLAN
PRELIMINARY SOLAR DEVELOPMENT PLAN
 MDL164 LOCUST STREET SOLAR
 CARROLL COUNTY, MARYLAND

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Three Russell's, LLC
8263/396
5553/258

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PROPOSED POLE MOUNTED EQUIPMENT
 • CUSTOMER POLE #1: CUSTOMER RECLOSER
 • CUSTOMER POLE #2: CUSTOMER COAB
 • POINT OF COMMON COUPLING (POCC)
 • UTILITY POLE #1: UTILITY RECLOSER

POINT OF UTILITY INTERCONNECTION
EXISTING 3Ø ###KV DISTRIBUTION POLE

PROPOSED APPROXIMATE POCKET POND 1 (DA-2)

PROPOSED RISER POLE
OVERHEAD MV RUN
FROM RISER TO POI

PROPOSED GATE

PROPOSED GRAVEL PAD

PROPOSED EQUIPMENT PAD
PROPOSED APPROXIMATE POCKET POND 1 (DA-1)

PROPOSED INVERTERS

PROPOSED GRAVEL ACCESS ROAD

PROPOSED WILDLIFE / SECURITY FENCE (TYP.)

100' PROPERTY SETBACK
LINE

PROPOSED APPROXIMATE POCKET POND 1 (DA-2)

PROPOSED SOLAR ARRAY (TYP.)

PROPOSED APPROXIMATE POCKET POND 2 (DA-2)

CARROLL COUNTY
TOWN OF MANCHESTER

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| Prepared by | ARM | Scale | 1" = 100' |
| Checked by | KDC | Date | 2/17/2026 |
| Drawn by | CLE | Project No. | 24011823 |
| Graphic scale | | | 0 100 200 300 SCALE IN FEET |
| Revision | | No. | |

| | |
|--------------|---------------------------------|
| Project Name | PROPOSED SITE 2 CONDITIONS PLAN |
| Client | MDL164 LOCUST STREET SOLAR |
| Location | CARROLL COUNTY, MARYLAND |



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CONSTRUCTION & PHASING NOTES

- 1. THE PROJECT SCHEDULE INCLUDES THE FOLLOWING APPROXIMATE IMPLEMENTATION DATES:
2025: FINAL DESIGN, PERMITTING, OBTAINING ALL NECESSARY APPROVALS, UTILITY COORDINATION, AND PROCUREMENT OF EQUIPMENT (FOLLOWING CPCH APPROVAL).
Q1 2026: CONSTRUCTION OF THE SOLAR ARRAY.
Q2 2027: COMMERCIAL OPERATION OF THE SOLAR ARRAY.
2. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED.
3. THE OWNER/CONTRACTOR SHALL BE FAMILIAR WITH AND RESPONSIBLE FOR ANY/ALL CERTIFICATIONS, INSPECTIONS, ETC.
4. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL COUNTY REGULATIONS AND CODES AND OSHA STANDARDS.
5. ALL DIMENSIONS SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
6. CONTRACTOR IS TO EXERCISE EXTREME CARE WHEN PERFORMING ANY WORK ADJACENT TO STRUCTURAL, STRUCTURES, ETC.
7. CONTRACTOR IS RESPONSIBLE FOR REPAIRING THE DAMAGE DONE TO ANY EXISTING ITEM DURING CONSTRUCTION SUCH AS, BUT NOT LIMITED, TO DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURB, ETC.
8. ALL UTILITIES AND SERVICES INCLUDING BUT NOT LIMITED TO GAS, WATER, ELECTRIC, SANITARY AND STORM SEWER, TELEPHONE, CABLE, FIBER OPTIC CABLE, ETC.
9. DEFINE AND LOCATE VERTICALLY AND HORIZONTALLY ALL ACTIVE UTILITY AND/OR SERVICE SYSTEMS THAT ARE TO BE REMOVED.
10. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION.
11. ALL NEW UTILITIES/SERVICES, INCLUDING ELECTRIC, ETC., ARE TO BE INSTALLED UNDERGROUND UNLESS OTHERWISE NOTED ON THE PLANS.
12. THE CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST OSHA STANDARDS AND REGULATIONS.
13. EARTH DISTURBANCE SHALL BE MINIMIZED TO THE EXTENT PRACTICABLE.
14. THIS PLAN IS FOR APPROVAL PURPOSES ONLY.
15. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPs SHALL BE MAINTAINED PROPERLY.
16. A LOG SHOWING DATES THAT E&S BMPs WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE.
17. SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY.
18. ALL SEDIMENT REMOVED FROM BMPs SHALL BE USED FOR ONSITE EARTHWORK ACTIVITIES.
19. DURING CONSTRUCTION, DUST MAY BE PRODUCED FROM NON-POINT SOURCES SUCH AS EARTHWORK AND CONSTRUCTION TRAFFIC ON UNPAVED ROADS.
20. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUBAREA OF THE PROJECT.
21. E&S BMPs SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED.
22. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMPs MUST BE REMOVED.
23. FAILURE TO CORRECTLY INSTALL E&S BMPs, FAILURE TO PREVENT SEDIMENT-LADEN RUNOFF FROM LEAVING THE SITE, OR FAILURE TO TAKE IMMEDIATE CORRECTIVE ACTION TO RESOLVE FAILURE OF E&S BMPs MAY RESULT IN ADMINISTRATIVE, CIVIL, AND/OR CRIMINAL PENALTIES BEING INSTITUTED BY MDE.
24. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE ENGINEER AND COUNTY TO SCHEDULE A FINAL INSPECTION.

STANDARD E&S PLAN NOTES

- 1. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE OF CONSTRUCTION AND IN ACCORDANCE WITH THE APPROVED E&S CONTROL AND LANDSCAPE PLAN DRAWINGS.
2. AT LEAST THREE (3) DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, MISS UTILITY OF MARYLAND SHALL BE NOTIFIED FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
3. ALL EARTHMOVING ACTIVITIES MUST INCORPORATE MEASURES TO MINIMIZE ACCELERATED EROSION.
4. EXISTING TOPSOIL MAY BE STOCKPILED, AS REQUIRED, IN THE DESIGNATED AREA ONSITE AND WILL NOT BE REMOVED FROM THE SITE.
5. AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS.
6. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT ADDITIONAL (AS NEEDED) AND APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY THE COUNTY AND/OR MDE.
7. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPs SHALL BE MAINTAINED PROPERLY.
8. A LOG SHOWING DATES THAT E&S BMPs WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO REGULATORY AGENCY OFFICIALS AT THE TIME OF INSPECTION.
9. SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY.
10. ALL SEDIMENT REMOVED FROM BMPs SHALL BE USED FOR ONSITE EARTHWORK ACTIVITIES.
11. DURING CONSTRUCTION, DUST MAY BE PRODUCED FROM NON-POINT SOURCES SUCH AS EARTHWORK AND CONSTRUCTION TRAFFIC ON UNPAVED ROADS.
12. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUBAREA OF THE PROJECT.
13. E&S BMPs SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED.
14. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMPs MUST BE REMOVED.
15. FAILURE TO CORRECTLY INSTALL E&S BMPs, FAILURE TO PREVENT SEDIMENT-LADEN RUNOFF FROM LEAVING THE SITE, OR FAILURE TO TAKE IMMEDIATE CORRECTIVE ACTION TO RESOLVE FAILURE OF E&S BMPs MAY RESULT IN ADMINISTRATIVE, CIVIL, AND/OR CRIMINAL PENALTIES BEING INSTITUTED BY MDE.
16. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE ENGINEER AND COUNTY TO SCHEDULE A FINAL INSPECTION.

SEQUENCE OF CONSTRUCTION

- 1. CONTACT CARROLL (COUNTY) AND MARYLAND DEPARTMENT OF THE ENVIRONMENT (MDE) AT LEAST TWO (2) WEEKS PRIOR TO THE START OF CONSTRUCTION TO SCHEDULE A PRE-CONSTRUCTION MEETING.
2. IDENTIFY AND DELINEATE THE LIMITS OF DISTURBANCE (LOD) AND/OR LEASE AREA, ALONG WITH THE LOCATIONS OF THE E&S CONTROLS AND OTHER PERTINENT CONSTRUCTION FEATURES PRIOR TO SITE CONSTRUCTION.
3. INSTALL THE SILT FENCE AND IN ALL LOCATIONS ON THE E&S CONTROL PLANS.
4. INSTALL THE PROPOSED STABILIZED ROCK CONSTRUCTION ENTRANCES AS SHOWN ON THE DRAWINGS.
5. DEMARCATHE THE LAYDOWN AREA.
6. IF DEWATERING IS REQUIRED AT ANY TIME DURING CONSTRUCTION (E.G., FOR TRENCH EXCAVATION OR GENERAL SITE EXCAVATION), THE CONTRACTOR SHALL:
6.1. USE A PROPERLY SIZED FILTER BAG OR OTHER APPROPRIATE BEST MANAGEMENT PRACTICE (BMP) TO PREVENT SEDIMENT FROM LEAVING THE SITE.
6.2. DIRECT DISCHARGE TO A STABLE, NON-EROSIVE, WELL-VEGETATED AREA WITHIN THE LOD.
6.3. ENSURE THE DISCHARGE VOLUME AND FLOW RATE REMAIN BELOW MDE'S THRESHOLD FOR A DEWATERING PERMIT.
7. PERFORM MINIMAL SITE GRADING FOR THE CONSTRUCTION OF THE ACCESS DRIVE AND EQUIPMENT PAD.
8. INSTALL SUBBASE MATERIAL FOR THE ACCESS DRIVE AND EQUIPMENT PAD IN ACCORDANCE WITH THE SPECIFICATION PROVIDED ON THE PLANS.
9. PLACE FINISHED STONE AND COMPACT ACCESS DRIVE TO REDUCE THE POTENTIAL FOR WASHOUT DURING RAIN EVENTS.
10. INSTALL EQUIPMENT PAD IN PREPARATION FOR ELECTRICAL EQUIPMENT INSTALLATION.
11. INSTALL PERMANENT SECURITY PERIMETER FENCING.
12. INSTALL SOLAR ARRAY RACKING SYSTEM.
13. INSTALL SOLAR PANEL MODULES, INVERTERS, ELECTRICAL STRINGS, TRANSFORMER, AND THE REMAINDER OF THE ELECTRICAL SYSTEMS ASSOCIATED WITH THE PHOTOVOLTAIC ARRAY.
14. INSTALLATION OF THE PROPOSED SECURITY FENCING, RACKING MODULES, AND ALL NON-PERMANENT EQUIPMENT ASSOCIATED WITH THE PV ARRAY SHALL BE COMPLETED USING TRACKED EQUIPMENT AND DURING DRY WEATHER EVENTS.
15. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT INSTALLATION ONLY OCCURS WHEN SITE SOILS ARE DRY TO REDUCE THE LIKELIHOOD OF RUTTING OR DISTURBANCE OF THE SUBSTRATE TO THE GREATEST EXTENT POSSIBLE.
16. ALL EROSION AND SEDIMENT CONTROL BMPs SHALL BE LEFT IN PLACE UNTIL A UNIFORM STABILIZED VEGETATIVE COVER IS ACHIEVED.
17. COMPLETE SITE STABILIZATION IN ACCORDANCE WITH THE SPECIFICATIONS PROVIDED ON THIS SHEET.
18. RECLAIM LAYDOWN AREAS AND IMMEDIATELY HAVE TOPSOIL RESTORED, REPLACED, OR AMENDED, SEEDED, MULCHED, OR OTHERWISE PERMANENTLY STABILIZED AND PROTECTED FROM ACCELERATED EROSION AND SEDIMENTATION.
19. UPON ESTABLISHMENT OF UNIFORM PERENNIAL VEGETATIVE COVER OVER DISTURBED AREAS AND WITHIN THE SOLAR ARRAY FENCE, THE DEVELOPER SHALL NOTIFY THE COUNTY AND/OR MDE FOR INSPECTION PRIOR TO THE REMOVAL OF TEMPORARY EROSION CONTROL MEASURES.
20. THE SEQUENCE OF CONSTRUCTION LISTED ABOVE IS FOR USE BY THE CONTRACTOR AS A GENERAL GUIDELINE FOR CONSTRUCTION ACTIVITIES AND MAY BE ADJUSTED, AS NEEDED, UPON APPROVAL IN WRITING BY THE ENGINEER AND COUNTY.
21. CONTRACTOR STORAGE, PARKING, AND STAGING WILL BE CONFINED WITHIN THE DEMARCATED LOD AND IN THE AREAS DESIGNATED ON THE PLANS AS STAGING AREA, NO STORAGE, PARKING, OR STAGING SHALL OCCUR OUTSIDE THE STAGING AREA.

MAINTENANCE PROGRAM

THE OWNER WILL RETAIN RESPONSIBILITY FOR INSPECTION, MAINTENANCE, AND UPKEEP OF THE PERMANENT STORMWATER BMPs DESCRIBED WITHIN THIS PLAN UNTIL SUCH TIME AS THE PROPERTY IS SOLD OR RESPONSIBILITY IS LEGALLY ASSUMED BY ANOTHER PARTY. BMPs WILL BE MAINTAINED ACCORDING TO THE APPLICABLE MDE REQUIREMENTS. IN GENERAL, MAINTENANCE WILL INCLUDE INSPECTIONS ON A QUARTERLY BASIS AND PERIODIC REPAIRS AND RE-VEGETATION AS NECESSARY. DETAILS REGARDING MAINTENANCE OF BMPs ARE PRESENTED BELOW AND ON THE PLAN DRAWINGS. ALL INSPECTIONS SHALL BE DOCUMENTED.

THE FOLLOWING MAINTENANCE PROGRAM WILL BE FOLLOWED UNTIL THE SITE IS COMPLETELY STABILIZED AFTER CONSTRUCTION. DURING CONSTRUCTION, THE CONTRACTOR WILL BE RESPONSIBLE FOR INSPECTION AND MAINTENANCE OF ALL E&S FEATURES.

- 1. ALL TEMPORARY E&S CONTROL MEASURES WILL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT.
1.1. SILT FENCE: REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN SILT FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT.
1.2. STABILIZED ROCK CONSTRUCTION ENTRANCE: CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK.
2. ALL PERMANENT E&S CONTROL MEASURES SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT UNTIL THE SITE IS RECLAIMED IN ITS ENTIRETY.
2.1. PERMANENT SEEDING: SEEDING WILL BE APPLIED IN THE LOCATIONS AND RATES SPECIFIED ON THE DRAWINGS.
2.2. UPLAND NATIVE RE-VEGETATION: UPLAND NATIVE MAINTENANCE SCHEDULE AS RECOMMENDED BY ERNST CONSERVATION SEEDS.
2.2.1. FIRST YEAR MAINTENANCE: OBSERVATION OF THE GROWTH OF DESIRED SPECIES AND WEED COMPETITION IS ESSENTIAL TO MAKING MAINTENANCE DECISIONS.
2.2.2. SECOND YEAR MAINTENANCE: MOW ONCE, AS CLOSE TO THE GROUND AS POSSIBLE, IN EARLY SPRING.
2.3. ACCESS ROAD. INSPECT GRAVEL AND/OR GRASS ACCESS ROAD FOR POTHoles AND RUTTING.
2.4. DISCONNECTION AREAS:
2.4.1. SITE DISTURBANCE: CONSTRUCTION VEHICLES AND EQUIPMENT SHOULD AVOID AREAS RECEIVING DISCONNECTED RUNOFF.
2.4.2. PERPETUAL MAINTENANCE: MAINTENANCE OF AREAS RECEIVING DISCONNECTED RUNOFF IS GENERALLY NO DIFFERENT THAN THAT REQUIRED FOR OTHER LAWN OR LANDSCAPED AREAS.
2.4.3. INSPECTIONS:
2.4.3.1. MONTHLY: INSPECT FOR TRASH OR DEBRIS ON THE SURFACE, IN CONVEYANCE SYSTEM, AND SURROUNDING AREA.
2.4.3.2. SEASONALLY AND AFTER RAIN EVENTS: CHECK FOR PONDING WATER AND EROSION AND REPAIR AS NECESSARY.
2.4.3.3. ANNUALLY: INSPECT FOR EROSION AND REPAIR AND RESEED ALL BARE SPOTS AS NECESSARY.
2.5. RECOMMENDED REMEDIAL MEASURES: RESEED ANY AREAS WHERE THE VEGETATION HAS CEASED GROWING WITH THE APPROPRIATE SEED MIXTURE.
3. MAINTENANCE FOR BOTH THE TEMPORARY AND PERMANENT BMPs WILL INCLUDE PROPER REMOVAL AND DISPOSAL OF MATERIALS IN THE PROJECT AREA.

TEMPORARY CONTROLS

- 1. UPON TEMPORARY CESSATION OF AN EARTH DISTURBANCE ACTIVITY OF ANY STAGE OR PHASE OF AN ACTIVITY, THE SITE SHALL BE IMMEDIATELY SEEDED, MULCHED, OR OTHERWISE PROTECTED FROM ACCELERATED EROSION AND SEDIMENTATION PENDING FUTURE EARTH DISTURBANCE ACTIVITIES.
2. FOR AN EARTH DISTURBANCE ACTIVITY OR ANY STAGE OR PHASE OF AN ACTIVITY TO BE CONSIDERED TEMPORARILY STABILIZED, THE DISTURBED AREAS SHALL BE COVERED WITH ONE OF THE FOLLOWING:
2.1. A MINIMUM UNIFORM COVERAGE OF MULCH AND SEED, WITH A DENSITY CAPABLE OF RESISTING ACCELERATED EROSION AND SEDIMENTATION.
2.2. AN ACCEPTABLE BMP WHICH TEMPORARILY MINIMIZES ACCELERATED EROSION AND SEDIMENTATION.
3. BEFORE SEEDING, APPLY SOIL AMENDMENTS AND/OR FERTILIZER WITH TOPSOIL AS REQUIRED.
4. THOROUGHLY LOOSEN THE AREAS TO BE SEED BY AN APPROVED METHOD UNTIL THE TILLAGE IS ACCEPTED.
5. ALL SEEDS SHALL BE FURNISHED TO THE PROJECT SITE IN MIX PREPARED BY THE SEED PROCESSOR.
5.1. TEMPORARY MIXTURE: THIS MIX SHALL BE USED ON ALL AREAS TO BE SEED AFTER DISTURBANCE, BUT PRIOR TO IMPLEMENTATION OF PERMANENT CONTROL MEASURES.
6. THE PREPARED AREAS SHALL THEN BE SEED WITH THE SPECIFIED SEED BY MEANS OF A MECHANICAL HOPPER TYPE SEEDER AT THE RATE OF 40 LBS/ACRE.
7. THE SEED SHALL BE SOWN EVENLY IN TWO DIRECTIONS, WITH ONE-HALF (1/2) OF THE SEED BEING SOWN IN A DIRECTION AT RIGHT ANGLES TO THE OTHER HALF.
8. AFTER SOWING THE SEED, THE AREA SHALL BE LIGHTLY RAKED TO COVER SEED TO AN AVERAGE DEPTH OF ONE-FOURTH INCH (1/4") AND ROLLED WITH A 200-POUND ROLLER.
9. MEASURES PRESENTED HEREIN SHALL BE SUPPLEMENTED OR MODIFIED BY CONTRACTOR DURING THE WORK BASED ON ACTUAL SEQUENCE, TIMING, AND METHODS OF CONSTRUCTION AS NECESSARY TO COMPLY WITH MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL REQUIREMENTS.
10.1. CLEAN OAT OR WHEAT STRAW SHALL BE FREE FROM MATURE SEED-BEARING STALKS OR ROOTS OF PROHIBITED OR NOXIOUS WEEDS AS DEFINED BY MDE.
10.2. FLEX TERRA HIGH PERFORMANCE - FLEXIBLE GROWTH MEDIUM (HP-FGM) MAY BE USED.

PERMANENT CONTROLS

- 1. NATIVE POLLINATOR SEED MIXES ARE INTENDED TO PROVIDE AN EXCELLENT WILDLIFE FOOD AND SHELTER THAT WILL ATTRACT A VARIETY OF POLLINATORS AND SONGBIRDS.
2. UPON FINAL COMPLETION OF AN EARTH DISTURBANCE ACTIVITY OR ANY STAGE OR PHASE OF AN ACTIVITY, THE SITE SHALL IMMEDIATELY HAVE TOPSOIL RESTORED, REPLACED, OR AMENDED, SEEDED, MULCHED, OR OTHERWISE PERMANENTLY STABILIZED AND PROTECTED FROM ACCELERATED EROSION AND SEDIMENTATION.
3. E&S BMPs SHALL BE IMPLEMENTED AND MAINTAINED UNTIL THE PERMANENT STABILIZATION IS COMPLETED.
4.1. A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER, WITH A DENSITY CAPABLE OF RESISTING ACCELERATED EROSION AND SEDIMENTATION.
4.2. AN ACCEPTABLE BMP WHICH PERMANENTLY MINIMIZES ACCELERATED EROSION AND SEDIMENTATION.
5. PERMANENT SEEDING AND MULCHING WILL BE INCORPORATED INTO THE OPERATIONS DURING THE APPROVED PLANTING SEASONS.
6.1. ALL SEEDS SHALL BE FURNISHED TO THE PROJECT SITE IN MIX PREPARED BY THE SEED PROCESSOR.
6.1.1. NATIVE UPLAND VEGETATION: SEE SOLAR ARRAY SEED MIX SPECIFICATIONS ON THIS SHEET, OR ENGINEER APPROVED EQUIVALENT.
6.2. BEFORE SEEDING, APPLY SOIL AMENDMENTS AND/OR FERTILIZER WITH TOPSOIL AS REQUIRED.
6.3. THE PREPARED AREAS SHALL THEN BE SEED WITH THE SPECIFIED SEED BY MEANS OF A MECHANICAL HOPPER TYPE SEEDER AT THE RATE AS SPECIFIED IN THE NATIVE SEEDING SCHEDULE.
6.4. THE SEED SHALL BE SOWN EVENLY IN TWO DIRECTIONS, WITH 1/2 OF THE SEED BEING SOWN IN A DIRECTION AT RIGHT ANGLES TO THE OTHER HALF.
6.5. AFTER SOWING THE SEED, THE AREA SHALL BE LIGHTLY RAKED TO COVER SEED TO AN AVERAGE DEPTH OF ONE-FOURTH INCH (1/4") AND ROLLED WITH A 200-POUND ROLLER.
7. MEASURES PRESENTED HEREIN SHALL BE SUPPLEMENTED OR MODIFIED BY CONTRACTOR DURING THE WORK BASED ON ACTUAL SEQUENCE, TIMING, AND METHODS OF CONSTRUCTION AS NECESSARY TO COMPLY WITH MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL REQUIREMENTS.
8.1. CLEAN OAT OR WHEAT STRAW SHALL BE FREE FROM MATURE SEED-BEARING STALKS OR ROOTS OF PROHIBITED OR NOXIOUS WEEDS AS DEFINED BY MDE.
8.2. FLEX TERRA HIGH PERFORMANCE - FLEXIBLE GROWTH MEDIUM (HP-FGM) MAY BE USED.



Ernst Conservation Seeds
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Meadville, PA 16335
(800) 873-3321 Fax (814) 336-5191
www.ernstseed.com

Date: February 02, 2024

Fuzz & Buzz Mix - Standard - ERNMX-146

Table with 4 columns: Botanical Name, Common Name, Price/Lb, and a blank column. Lists various seed species and their prices.

100.00 % Mix Price/Lb Bulk: \$6.36

Seeding Rate: Expect to apply about 40 lbs per acre with a cover crop of annual ryegrass 12 lbs/acre
Forage & Pasture Sites; Forage & Pasture Sites - Herbaceous Perennial; Solar Sites



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. 64291 EXPIRATION DATE: 02/26/2027

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Table with 4 columns: Date, By, Title, Revision. Contains project metadata.

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NOTES
PRELIMINARY SOLAR DEVELOPMENT PLAN
MDL164 LOCUST STREET SOLAR
CARROLL COUNTY, MARYLAND

Sheet 8

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