

DRAWINGS FOR PRELIMINARY SOLAR DEVELOPMENT PLAN

MDL186 STREAKER RD SOLAR PROJECT

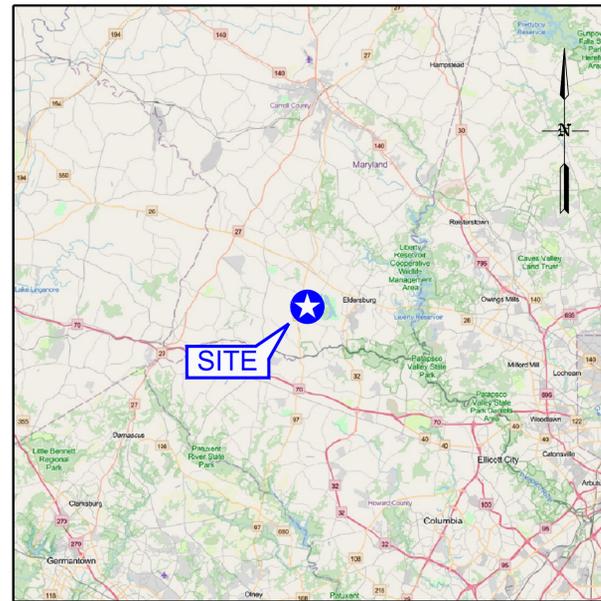
CARROLL COUNTY, MARYLAND



FEBRUARY 2026

LIST OF SHEETS

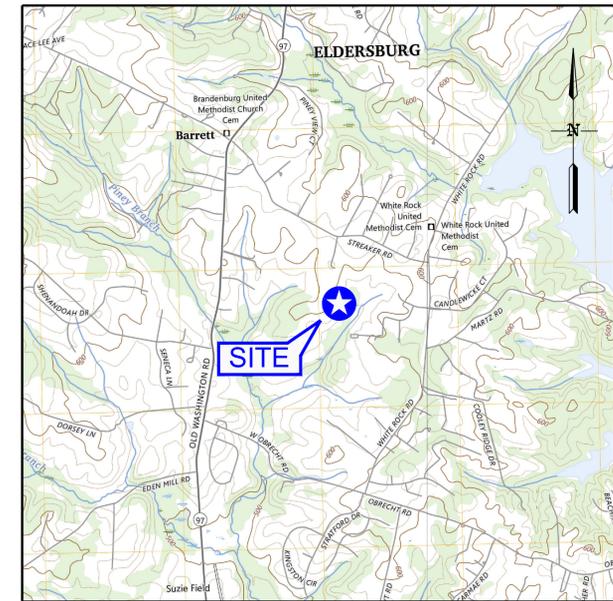
SHEET NO.	DESCRIPTION
1	COVER SHEET
2	EXISTING SITE CONDITIONS PLAN
3	PROPOSED SITE CONDITIONS PLAN
4	SITE DETAILS (SHEET 1 OF 2)
5	SITE DETAILS (SHEET 2 OF 2)
6	PROPOSED NOTES



Base map from Esri OpenStreetMap, © OSM Contributors, ODNL

VICINITY MAP

SCALE: 1" = 5 Miles



Base map from the following USGS 7 1/2 minute quadrangle: WINFIELD, MD dated 2023.

LOCATION MAP

SCALE: 1" = 2000'

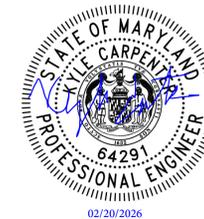
PREPARED BY:



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Engineers and Scientists
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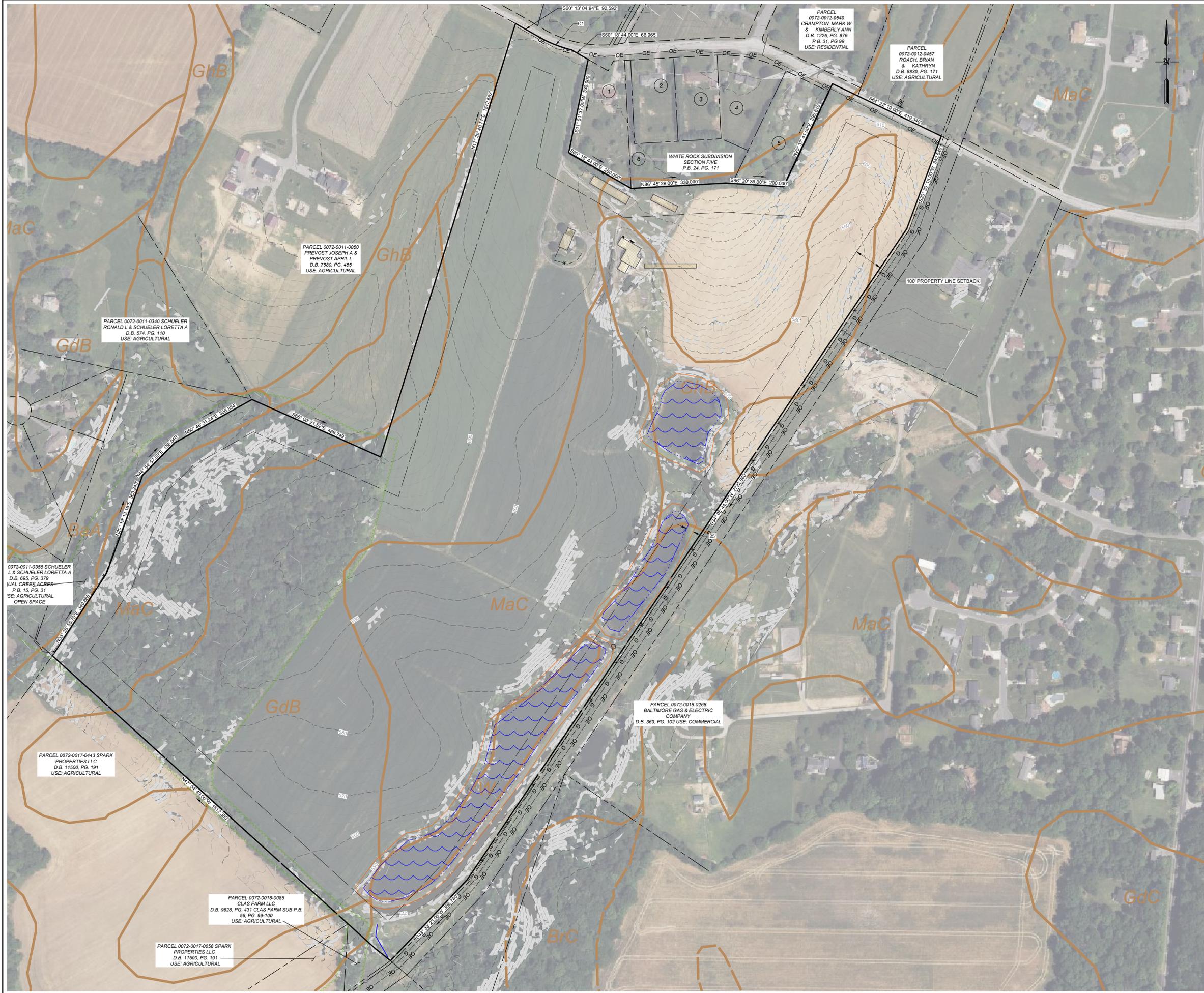


PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 64291, EXPIRATION DATE: 02/26/2027

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Revised	By	Date	Revision
AS NOTED		02/17/2026	
ARM KDC	JGS	02/5011048	

COVER SHEET
PRELIMINARY SOLAR DEVELOPMENT PLAN
MDL186 STREAKER RD SOLAR PROJECT
CARROLL COUNTY, MARYLAND



- NOTES:**
1. THE BASE MAP HAS BEEN CREATED USING LIDAR DATA PROVIDED BY PASDA.
 2. THIS PLAN IS IN THE PENNSYLVANIA STATE PLANE NORTH, NORTH AMERICAN DATUM 1983 (NAD 83) COORDINATE SYSTEM.
 3. ALL DIMENSIONS TO BE CONFIRMED ON-SITE PRIOR TO CONSTRUCTION.
 4. ALL DIMENSIONS ARE INDICATIVE ONLY AND IN FT. UNLESS OTHERWISE SPECIFIED.

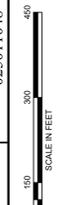
LEGEND

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

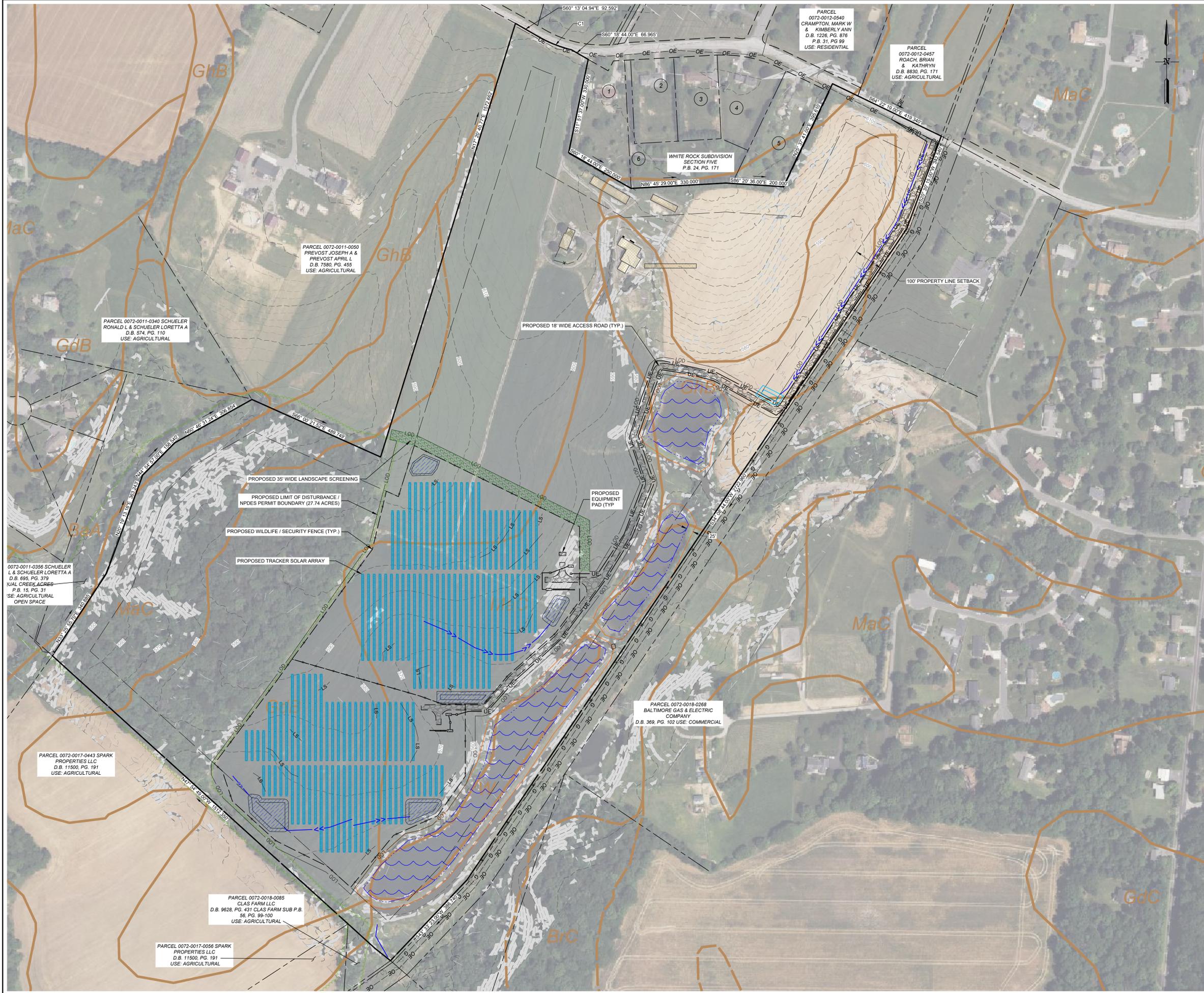
	EXISTING CONTOURS
	SURVEYED PROPERTY BOUNDARY
	ADJOINING PROPERTY LINE
	EXISTING SETBACK
	EXISTING SOIL BOUNDARY & DESCRIPTOR
	EXISTING RIGHT OF WAY
	EXISTING VERIFIED WETLANDS
	EXISTING BASIN
	BASIN SETBACK (25')
	EXISTING STREAM
	EXISTING CULVERT
	EXISTING TREELINE
	EXISTING FENCE
	EXISTING OVERHEAD ELECTRIC
	EXISTING UNDERGROUND GAS
	EXISTING GRAVEL ROAD
	EXISTING STRUCTURE
	EXISTING CONCRETE
	EXISTING DITCH
	EXISTING PROPANE AG TANK
	SLOPES 15-25%
	SLOPES >25%



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Engineers and Scientists
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PROJECT NO.	DATE	SCALE	BY	DATE
ARM KDC	02/17/2026	1" = 150'		
JGS	02/5011048	SCALE IN FEET		
				
				
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EXISTING SITE CONDITIONS PLAN PRELIMINARY SOLAR DEVELOPMENT PLAN MDL 186 STREAKER RD SOLAR PROJECT CARROLL COUNTY, MARYLAND				
Sheet	2			

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LEGEND

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

	EXISTING CONTOURS
	SURVEYED PROPERTY BOUNDARY
	ADJOINING PROPERTY LINE
	EXISTING SETBACK
	EXISTING SOIL BOUNDARY & DESCRIPTOR
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	EXISTING BASIN
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	EXISTING UNDERGROUND GAS
	EXISTING GRAVEL ROAD
	EXISTING STRUCTURE
	EXISTING CONCRETE
	EXISTING DITCH
	EXISTING PROPANE AG TANK
	SLOPES 15-25%
	SLOPES >25%
	PROPOSED UTILITY POLE
	PROPOSED OVERHEAD ELECTRIC
	PROPOSED UNDERGROUND ELECTRIC
	PROPOSED SINGLE-AXIS TRACKER SOLAR ARRAY
	PROPOSED ACCESS ROAD
	PROPOSED EQUIPMENT PAD
	PROPOSED FENCE
	PROPOSED APPROXIMATE STORMWATER BMP
	PROPOSED APPROXIMATE LEVEL SPREADER
	LIMIT OF DISTURBANCE
	PROPOSED LANDSCAPE BUFFER
	PROPOSED APPROXIMATE CHANNEL
	PROPOSED APPROXIMATE BASIN LEVEL SPREADER

1" = 150'

02/17/2026

025011048

SCALE IN FEET

PROPOSED SITE CONDITIONS PLAN

PRELIMINARY SOLAR DEVELOPMENT PLAN

MDL 186 STREAKER RD SOLAR PROJECT

CARROLL COUNTY, MARYLAND

ARM KDC JGS

STATE OF MARYLAND
 KYLE CARENDA
 PROFESSIONAL ENGINEER
 64291
 02/20/2026

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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Sheet **3**

Revised: _____ Date: _____

By: _____

Checked: _____

Approved: _____

Project No. 025011048

Scale: 1" = 150'

02/17/2026

025011048

SCALE IN FEET

PROPOSED SITE CONDITIONS PLAN

PRELIMINARY SOLAR DEVELOPMENT PLAN

MDL 186 STREAKER RD SOLAR PROJECT

CARROLL COUNTY, MARYLAND

GENERAL CONSTRUCTION NOTES

- 1. CONTRACTOR SHALL OBTAIN PENNSYLVANIA ONE CALL UTILITY CLEARANCE PRIOR TO ANY EARTH DISTURBANCE.
2. ARCHAEOLOGICAL ARTIFACTS DISCOVERED DURING THE PERFORMANCE OF THE WORK MUST BE ADEQUATELY PROTECTED AND THEIR DISCOVERY PROMPTLY REPORTED TO THE BUREAU FOR HISTORIC PRESERVATION, HISTORICAL AND MUSEUM COMMISSION, 400 NORTH STREET, SECOND FLOOR, HARRISBURG, PA 17120-0093, TELEPHONE (717) 783-8946.
3. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS BY ALL OF THE PERMITTING AUTHORITIES.
4. THE OWNER/CONTRACTOR SHALL BE FAMILIAR WITH AND RESPONSIBLE FOR ANY/ALL CERTIFICATIONS, INSPECTIONS, ETC. REQUIRED BY ALL GOVERNING JURISDICTIONAL AGENCIES DURING AND AFTER CONSTRUCTION FOR SIGN-OFF AND CERTIFICATE OF OCCUPANCY ISSUANCE, INCLUDING BUT NOT LIMITED TO PROCUREMENT OF SERVICES, SCHEDULING OF FIELD OBSERVATIONS AND COORDINATION WITH REPRESENTATIVES OF THE APPROPRIATE PARTIES.
5. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL TOWNSHIP/COUNTY REGULATIONS AND CODES AND OSHA STANDARDS. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF THE LOCAL GOVERNING AUTHORITY.
6. ALL DIMENSIONS SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY OWNER AND ENGINEER IN WRITING IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE RE-DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
7. CONTRACTOR IS TO EXERCISE EXTREME CARE WHEN PERFORMING ANY WORK ADJACENT TO PAVEMENT, STRUCTURES, ETC. THAT ARE TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING THE APPROPRIATE MEASURES AS NECESSARY TO ENSURE THE STRUCTURAL STABILITY OF SIDEWALKS AND PAVEMENT TO REMAIN, AND TO PROVIDE A SAFE WORK AREA.
8. 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. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL REPLACE ALL SIGNAL INTERCONNECT CABLE, CONDUITS AND ANY UNDERGROUND ACCESSORY EQUIPMENT DAMAGED DURING CONSTRUCTION. REPAIR SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE TO DOCUMENT ALL EXISTING DAMAGE AND NOTIFY CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION START.
9. ALL UTILITIES AND SERVICES INCLUDING BUT NOT LIMITED TO GAS, WATER, ELECTRIC, SANITARY AND STORM SEWER, TELEPHONE, CABLE, FIBER OPTIC CABLE, ETC. WITHIN THE LIMITS OF DISTURBANCE SHALL BE VERTICALLY AND HORIZONTALLY LOCATED. THE CONTRACTOR SHALL USE AND COMPLY WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY NOTIFICATION SYSTEM TO LOCATE ALL THE UNDERGROUND UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING UTILITIES DURING CONSTRUCTION AT NO COST TO THE OWNER.
10. DEFINE AND LOCATE VERTICALLY AND HORIZONTALLY ALL ACTIVE UTILITY AND/OR SERVICE SYSTEMS THAT ARE TO BE REMOVED. THE CONTRACTOR IS RESPONSIBLE TO PROTECT AND MAINTAIN ALL ACTIVE SYSTEMS THAT ARE NOT BEING REMOVED/RELOCATED DURING SITE ACTIVITY.
11. 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. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR THE RELATIVE CODES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND IN FULL COMPLIANCE WITH LOCAL REGULATIONS AND CODES.
12. ALL NEW UTILITIES/SERVICES, INCLUDING ELECTRIC, ETC., ARE TO BE INSTALLED UNDERGROUND UNLESS OTHERWISE NOTED ON THE PLANS. ALL NEW UTILITIES/SERVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE UTILITY SERVICE PROVIDER INSTALLATION SPECIFICATIONS AND STANDARDS.
13. THE CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST OSHA STANDARDS AND REGULATIONS, OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING OPERATIONS. THE CONTRACTOR SHALL DETERMINE THE MEANS AND METHODS REQUIRED TO MEET THE INTENT AND PERFORMANCE CRITERIA OF OSHA, AS WELL AS ANY OTHER ENTITY THAT HAS JURISDICTION FOR EXCAVATION AND/OR TRENCHING PROCEDURES.
14. ALL BUILDING MATERIALS AND WASTES MUST BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 26 PA. CODE §260.1 ET SEQ., §271.1 ET SEQ., AND §287.1 ET SEQ. NO BUILDING MATERIAL OR WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURNED, BURIED, DUMPED, OR DISCHARGED AT THE SITE.
15. EARTH DISTURBANCE SHALL BE MINIMIZED TO THE EXTENT PRACTICABLE. WORK SHALL ONLY BE CONDUCTED DURING SUITABLE WEATHER AND SOIL CONDITIONS AND UTILIZING VEHICLES AND MACHINERY THAT WILL NOT CAUSE ANY RUTTING, TRACKING, GOUGING, OR ANY OTHER EARTH DISTURBANCE.
16. THIS PLAN IS FOR APPROVAL PURPOSES ONLY. EXACT PANEL, ARRAY, INVERTER AND ELECTRICAL INTERCONNECT CONFIGURATION AND DIMENSIONS MAY CHANGE BASED ON ACTUAL EQUIPMENT AND MANUFACTURER SELECTION. HOWEVER, THE ULTIMATE PANEL/FENCING LOCATIONS MUST REMAIN WITHIN THE MAXIMUM EXTENTS AS SPECIFIED ON THE APPROVED SITE PLAN. CONTRACTOR TO USE FINAL CONSTRUCTION DRAWINGS FOR INSTALLATION PURPOSES.

STANDARD E&S PLAN NOTES

- 1. ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING AS WELL AS CUTS AND FILLS SHALL BE DONE IN ACCORDANCE WITH THE APPROVED E&S PLAN. A COPY OF THE APPROVED DRAWINGS MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE REVIEWING AGENCY SHALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. THE REVIEWING AGENCY MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
2. AT LEAST 3 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
3. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS. DEVIATION FROM THE SEQUENCE MUST BE APPROVED IN WRITING FROM THE ENGINEER.
4. CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE CONSTRUCTION SEQUENCE. GENERAL SITE CLEARING, GRUBBING AND TOPSOIL STRIPPING MAY NOT COMMENCE IN ANY STAGE OR PHASE OF THE PROJECT UNTIL THE E&S BMPS SPECIFIED BY THE BMP SEQUENCE FOR THAT STAGE OR PHASE HAVE BEEN INSTALLED AND ARE FUNCTIONING AS DESCRIBED IN THE E&S PLAN.
5. AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS. THESE AREAS MUST BE CLEARLY MARKED BEFORE CLEARING AND GRUBBING OPERATIONS BEGIN.
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 REGIONAL OFFICE OF THE DEPARTMENT.
7. VEHICLES AND EQUIPMENT MAY NEITHER ENTER DIRECTLY NOR EXIT DIRECTLY FROM THE PROJECT SITE ONTO STATE OR MUNICIPAL ROADS.
8. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPS SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMPS AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGARDING, RESEEDING, REMULCHING AND RENETTING MUST BE PERFORMED IMMEDIATELY. IF THE E&S BMPS FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPS, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
9. 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.
10. SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY AND DISPOSED IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEEPED INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.
11. ALL SEDIMENT REMOVED FROM BMPS SHALL BE USED FOR ON-SITE EARTHWORK ACTIVITIES, OR TRANSPORTED OFF-SITE TO AN APPROVED LOCATION WITH AN ACTIVE EROSION AND SEDIMENT CONTROL PLAN.
12. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3 TO 5 INCHES - 6 TO 12 INCHES ON COMPACTED SOILS - PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED SHALL HAVE A MINIMUM OF 4 INCHES OF TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING. FILL OUTSLOPES SHALL HAVE A MINIMUM OF 2 INCHES OF TOPSOIL.
13. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE. CUT SLOPES IN COMPLETE BEDROCK AND ROCK FILLS NEED NOT BE VEGETATED. SEEDED AREAS WITHIN 50 FEET OF A SURFACE WATER, OR AS OTHERWISE SHOWN ON THE PLAN DRAWINGS, SHALL BE BLANKETED ACCORDING TO THE STANDARDS OF THIS PLAN.
14. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUBAREA OF THE PROJECT, THE OPERATOR SHALL STABILIZE ALL DISTURBED AREAS. DURING NON-GERMINATING MONTHS, MULCH OR PROTECTIVE BLANKETING SHALL BE APPLIED AS DESCRIBED IN THE PLAN. AREAS NOT AT FINISHED GRADE, WHICH WILL BE REACTIVATED WITHIN 1 YEAR, MAY BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH WILL NOT BE REACTIVATED WITHIN 1 YEAR SHALL BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION SPECIFICATIONS.
15. PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM, PERENNIAL 90% VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION. CUT AND FILL SLOPES SHALL BE CAPABLE OF RESISTING FAILURE DUE TO SLUMPING, SLIDING, OR OTHER MOVEMENTS.
16. E&S BMPS SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED OR UNTIL THEY ARE REPLACED BY ANOTHER BMP APPROVED BY THE DEPARTMENT OR AUTHORIZED CONSERVATION DISTRICT.
17. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMPS MUST BE REMOVED OR CONVERTED TO PERMANENT POST-CONSTRUCTION STORMWATER MANAGEMENT BMPS. AREAS DISTURBED DURING REMOVAL OR CONVERSION OF THE BMPS SHALL BE STABILIZED IMMEDIATELY. IN ORDER TO ENSURE RAPID REVEGETATION OF DISTURBED AREAS, SUCH REMOVAL/CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATING SEASON.
18. 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 THE DEPARTMENT AS DEFINED IN SECTION 602 OF THE PENNSYLVANIA CLEAN STREAMS LAW AND CHAPTER 32 OF ACT 13 (58 PA. C.S.). THE CLEAN STREAMS LAW PROVIDES FOR UP TO \$10,000 PER DAY IN CIVIL PENALTIES, UP TO \$10,000 IN SUMMARY CRIMINAL PENALTIES, AND UP TO \$25,000 IN MISDEMEANOR CRIMINAL PENALTIES FOR EACH VIOLATION.
19. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE ENGINEER FOR AN INSPECTION PRIOR TO REMOVAL/CONVERSION OF THE E&S BMPS.
20. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE ENGINEER TO SCHEDULE A FINAL INSPECTION.

SEQUENCE OF CONSTRUCTION

ALL EARTH DISTURBANCE ACTIVITIES WILL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE. DEVIATION FROM THE ESCP MUST BE APPROVED IN WRITING FROM THE ENGINEER.

- 1. AN ON-SITE PRECONSTRUCTION MEETINGS WILL TAKE PLACE BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES (INCLUDING CLEARING AND GRUBBING), AND THE OWNER OR OPERATOR WILL NOTIFY ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES, THE LANDOWNER, AND THE ENGINEER. PADEP AND THE CARROLL COUNTY CONSERVATION DISTRICT WILL BE NOTIFIED OF THE PRECONSTRUCTION MEETING AT LEAST SEVEN (7) DAYS BEFORE THE MEETING OCCURS.
2. AT LEAST SEVEN (7) DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, THE ENGINEER WILL NOTIFY ALL APPROPRIATE MUNICIPAL OFFICIALS, PADEP, SNYDER COUNTY CONSERVATION DISTRICT, AND THE PENNSYLVANIA FISH AND BOAT COMMISSION (IF REQUIRED BY PERMIT) OF THE INTENT TO BEGIN CONSTRUCTION.
3. AT LEAST THREE (3) DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES WILL NOTIFY THE PENNSYLVANIA ONE CALL SYSTEM, INC. AT 1_800-242-1776 TO LOCATE EXISTING UNDERGROUND UTILITIES.
4. THE PROJECT LIMITS OF DISTURBANCE WILL BE FIELD LOCATED ALONG WITH THE LOCATIONS OF THE E&S CONTROLS AND OTHER PERTINENT CONSTRUCTION FEATURES.
THE FOLLOWING IS THE SEQUENCE OF CONSTRUCTION FOR THE PROJECT:
1. INSTALL THE ROCK CONSTRUCTION ENTRANCE AND EXCLUSION FENCE AS SHOWN ON THE DRAWINGS.
2. CLEAR AND GRUB ONLY AS NECESSARY FOR THE INSTALLATION OF THE FILTER SOCKS AS SHOWN ON THE DRAWINGS. WORK SHOULD BEGIN NEAR THE PROPOSED SITE ACCESS ALONG SAW MILL ROAD. NO DISTURBANCE IS ALLOWED DOWNGRADIENT OF THE FILTER SOCK.
3. INSTALL ALL FILTER SOCK AS SHOWN ON THE PLANS, WORKING FROM LOWER ELEVATIONS TO HIGHER ELEVATIONS. ENSURE THAT ALL FILTER SOCK IS IN PLACE AND FUNCTIONING PROPERLY PRIOR TO ANY EARTH DISTURBANCE.
4. CONSTRUCT PROPOSED INFILTRATION BERM. VERIFY THAT THE INFILTRATION BERM IS GRADED AND CONSTRUCTED AS SPECIFIED IN THE DETAILS TO PREVENT COMPACTION AND PROMOTE INFILTRATION. REPAIR ANY DAMAGE TO THE INFILTRATION BERM THAT OCCURRED DURING CONSTRUCTION OF THE SITE.
NOTES:
a. REFER TO THE DRAWING DETAILS FOR SPECIFIC BMP INSTALLATION INSTRUCTIONS.
b. EVERY EFFORT MUST BE TAKEN TO AVOID EARTH DISTURBANCE AND EQUIPMENT TRACKING WITHIN THE PROPOSED INFILTRATION AREAS, AND THE PROPOSED PONDING AREAS IMMEDIATELY UPGRADIENT OF THESE BMPS. THESE INSTALLATIONS MUST BE ACCOMPLISHED WITH CARE. ALL SOILS WITHIN THE BMP PONDING AREAS SHALL REMAIN UNCOMPACTED TO MAINTAIN THE DESIRED INFILTRATION WITHIN THE BMPS. A LICENSED PROFESSIONAL OR DESIGNER SHALL MONITOR THE INSTALLATION OF THESE BMP FACILITIES.
5. VERIFY THAT COMPOST FILTER SOCK UPSLOPE OF THE SUBSTATION PAD AREA IS IN PLACE AND FUNCTIONING PROPERLY. CONSTRUCT SUBSTATION PAD. COMPOST FILTER SOCK UPSLOPE OF THE SUBSTATION PAD IS TO REMAIN IN PLACE UNTIL 90% VEGETATIVE COVER IS ESTABLISHED IN ALL PERVIOUS TRIBUTARY UPSLOPE AREAS.
6. ANY EARTHWORK THAT HAS A SLOPE OF 3:1 OR GREATER SHALL RECEIVE TEMPORARY EROSION CONTROL MATTING AS DESIGNATED ON THE DRAWINGS.
7. INSTALL PERMANENT PERIMETER FENCING.
RECLAIM LAYDOWN AREAS AND IMMEDIATELY HAVE TOPSOIL RESTORED, REPLACED, OR AMENDED. SEEDED, MULCHED, OR OTHERWISE PERMANENTLY STABILIZED AND PROTECTED FROM ACCELERATED EROSION AND SEDIMENTATION. NON-GRAVEL AREAS WILL BE RECLAIMED TO MEADOW CONDITIONS, OR BETTER, AND WILL BE SEEDED AND MULCHED TO HELP STABILIZE THE DISTURBED AREAS.
TEMPORARY STABILIZATION - UPON TEMPORARY CESSATION OF AN EARTH DISTURBANCE ACTIVITY OR ANY STAGE OR PHASE OF AN ACTIVITY, THE SITE WILL BE IMMEDIATELY SEEDED, MULCHED, OR OTHERWISE PROTECTED FROM ACCELERATED EROSION AND SEDIMENTATION PENDING FUTURE EARTH DISTURBANCE ACTIVITIES.
PERMANENT STABILIZATION - UPON FINAL COMPLETION OF AN EARTH DISTURBANCE ACTIVITY OR ANY STAGE OR PHASE OF AN ACTIVITY, THE SITE WILL IMMEDIATELY HAVE TOPSOIL RESTORED, REPLACED, OR AMENDED, SEEDED, MULCHED, OR OTHERWISE PERMANENTLY STABILIZED AND PROTECTED FROM ACCELERATED EROSION AND SEDIMENTATION.

- 11. UPON ESTABLISHMENT OF 90% UNIFORM PERENNIAL VEGETATIVE COVER OVER DISTURBED AREAS, THE DEVELOPER SHALL NOTIFY SNYDER COUNTY CONSERVATION DISTRICT FOR INSPECTION PRIOR TO THE REMOVAL OF TEMPORARY EROSION CONTROL MEASURES.
12. RESTORE SITE TO THE SATISFACTION OF THE OWNER OR OWNER'S REPRESENTATIVE.
13. UPON COMPLETION OF EARTH DISTURBANCE ACTIVITIES AND INSTALLATION OF PERMANENT BEST MANAGEMENT PRACTICES, A NOTICE OF TERMINATION WILL BE SUBMITTED TO THE PADEP.
NOTES:
• ALL DISTURBED AREAS SHALL BE STABILIZED IMMEDIATELY WITH ROCK AND/OR SEEDING AND MULCHING.
• ALL EARTHMOVING ACTIVITIES MUST INCORPORATE MEASURES TO MINIMIZE ACCELERATED EROSION. THE ESCP MUST BE AT THE SITE OF ACTIVITY AT ALL TIMES AND AVAILABLE FOR INSPECTION BY A REPRESENTATIVE OF PADEP.
ALL EARTH DISTURBANCE ACTIVITIES WILL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED IN THE PLAN DRAWINGS. DEVIATION FROM THE SEQUENCE MUST BE APPROVED IN WRITING BY SNYDER COUNTY CONSERVATION DISTRICT AND PADEP PRIOR TO IMPLEMENTATION. PADEP WILL BE NOTIFIED SEVEN (7) DAYS PRIOR TO THE START OF THE PROJECT CONSTRUCTION AND PRIOR TO ANY PLAN CHANGES.

MAINTENANCE PROGRAM

APPLICANT 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.

ALL INSPECTIONS SHALL BE DOCUMENTED USING PA DEP FORM 3800-FM-BCW0271D REVISED 8/2024.

BMPS WILL BE MAINTAINED ACCORDING TO THE APPLICABLE PADEP REQUIREMENTS. IN GENERAL, MAINTENANCE WILL INCLUDE INSPECTIONS ON A QUARTERLY BASIS AND PERIODIC REPAIRS AND REVEGETATION AS NECESSARY. DETAILS REGARDING MAINTENANCE OF BMPS ARE PRESENTED BELOW AND ON THE PCSM PLAN DRAWINGS.

THE FOLLOWING MAINTENANCE PROGRAM WILL BE FOLLOWED AFTER BMPS ARE INSTALLED AND CONSTRUCTION ACTIVITIES CEASE.

- 1. ALL TEMPORARY E&S CONTROL MEASURES WILL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. ALL DEFECTIVE EROSION CONTROL MEASURES WILL BE REPAIRED IMMEDIATELY.
a. COMPOST FILTER SOCKS: SPLIT, TORN, UNRAVELING OR SLUMPING FILTER SOCKS WILL BE REPAIRED OR REPLACED. SEDIMENT WILL BE REMOVED WHEN ACCUMULATIONS REACH 1/2 THE DIAMETER OF THE FILTER SOCK.
b. EROSION CONTROL PRODUCT: EROSION CONTROL PRODUCT DAMAGED BEFORE SUFFICIENT STABILIZATION OF UP-GRADIENT VEGETATION WILL BE IMMEDIATELY REPLACED.
c. ROCK CONSTRUCTION ENTRANCE (100-FT LONG OR WITH WASH RACKS): CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. IF EXCESSIVE AMOUNTS OF SEDIMENT ARE BEING DEPOSITED ON ROADWAYS, THE LENGTH OF THE ROCK CONSTRUCTION ENTRANCE WILL BE EXTENDED IN INCREMENTS OF 50 FEET UNTIL CONDITIONS ARE ALLEVIATED, ALTERNATIVELY A WASH RACK MAY BE INSTALLED.
d. COMPOST SOCK SEDIMENT TRAP: SPLIT, TORN, UNRAVELING OR SLUMPING FILTER SOCKS WILL BE REPAIRED OR REPLACED. SEDIMENT WILL BE REMOVED WHEN ACCUMULATIONS REACH 1/3 THE TOTAL HEIGHT OF THE TRAP.
2. ALL PERMANENT E&S AND PCSM CONTROL MEASURES SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT UNTIL THE SITE IS RECLAIMED IN ITS ENTIRETY. ALL DEFECTIVE EROSION CONTROL MEASURES WILL BE REPAIRED IMMEDIATELY. FOLLOWING COMPLETE SITE STABILIZATION AND ESTABLISHMENT OF 90% VEGETATIVE COVER, THE ENTIRETY OF THE SITE WITHIN THE ARRAY AREA SHALL BE INSPECTED ON A QUARTERLY BASIS FOR BARE SPOTS OR SIGNS OF EROSION. ANY BARE SPOTS ARE TO BE RE-SEEDED AND ANY ERODED AREAS ARE TO BE RESTORED AND STABILIZED IMMEDIATELY.
a. PERMANENT SEEDING: SEEDING WILL BE APPLIED IN THE LOCATIONS AND RATES SPECIFIED ON THE DRAWINGS. INSPECT SEEDED AREAS IMMEDIATELY AFTER STABILIZATION, PRIOR TO LEAVING SITE, AND AT SIX MONTH INTERVALS FOR ONE YEAR, THEN YEARLY FOR EACH SUBSEQUENT YEAR. VEGETATION COVER AND SIGNS OF EROSION WILL ALSO BE CHECKED AND IMMEDIATELY REPAIRED, RE-SEEDED, AND FERTILIZED, AS NECESSARY.
b. UPLAND NATIVE RE-VEGETATION:
i. FIRST YEAR MAINTENANCE: OBSERVATION OF THE GROWTH OF DESIRED SPECIES AND WEED COMPETITION IS ESSENTIAL TO MAKING MAINTENANCE DECISIONS. WHEN VEGETATION REACHES 12 - 18 INCHES TALL, MOW TO NO LESS THAN 6 INCHES HIGH (WITH A BRUSH MOWER OR WEED EATER) TO PREVENT THE WEEDS FROM GOING TO SEED. MOST NATIVE PLANTS WILL GROW DEEPER ROOT SYSTEMS THAN TOPS IN THE FIRST YEAR AND MOVING TO 6 - 8 INCHES HIGH WILL NOT HURT THEM. THIS ALLOWS SUNLIGHT TO REACH THE DESIRED SPECIES. DO NOT MOW WITH A LAWNMOWER. MOWING TOO CLOSE ENCOURAGES WEEDY SPECIES.
ii. SECOND YEAR MAINTENANCE: MOW ONCE, AS CLOSE TO THE GROUND AS POSSIBLE, IN EARLY SPRING. THIS ALLOWS THE SOIL TO WARM MORE QUICKLY AND YOUNG NATIVE PLANTS TO EMERGE.
NOTE: UPLAND NATIVE MAINTENANCE SCHEDULE AS RECOMMENDED BY ERNST CONSERVATION SEEDS, LLP. ADHERE TO SUPPLIER'S MAINTENANCE DIRECTIONS FOR EACH SEED MIX.
c. ACCESS ROADS: INSPECT GRAVEL AND/OR GRASS ACCESS ROADS FOR POTHoles AND RUTTING, FILL, REGRADE, AND ADD ADDITIONAL GRAVEL AND/OR TOPSOIL AS NECESSARY. REVEGETATE THE GRASS LINED ROADS.
d. INFILTRATION BERMS: INSPECT AND CORRECT EROSION PROBLEMS AND SEDIMENT AND DEBRIS ACCUMULATION (ADDRESS WHEN > 3 INCHES AT ANY SPOT). INSPECT SIDE SLOPES FOR EROSION AND FORMATION OF RILLS OR GULLIES. CORRECT AS NEEDED. INSPECT FOR POOLS OF STANDING WATER. DEWATER AND DISCHARGE TO AN APPROVED LOCATION AND RESTORE TO DESIGN GRADE. INSPECT FEATURE FOR SCOURING, AND REPAIR DAMAGE PROMPTLY. INSPECT FOR LITTER. REMOVE. INSPECT FOR UNIFORMITY IN CROSS-SECTION AND LONGITUDINAL SLOPE. CORRECT AS NEEDED.

MAINTENANCE FOR BOTH THE TEMPORARY AND PERMANENT E&S CONTROL BMPS WILL INCLUDE PROPER REMOVAL AND DISPOSAL OF MATERIALS IN THE PROJECT AREA. ACCUMULATED SEDIMENT WILL BE SPREAD ONSITE. NO SEDIMENT WILL BE PLACED WITHIN 100 FEET OF STREAMS, LAKES, PONDS, AND WETLANDS.

EXCESS CLEAN SOIL/ROCK MATERIAL WILL EITHER BE DISPOSED OF AT AN APPROVED OFFSITE FACILITY OR STOCKPILED AND STABILIZED WITH VEGETATION. CONSTRUCTION WASTES, SUCH AS BUILDING MATERIALS, CONCRETE WASH WATER, SANITARY WASTES, ETC., SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE PADP'S SOLID WASTE MANAGEMENT REGULATIONS AT 26 PA. CODE §260.1 ET SEQ., 271.1, AND 287.1 ET SEQ. NO BUILDING MATERIALS OR WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURNED, BURIED, DUMPED, OR DISCHARGED AT THE SITE. THESE MATERIALS SHOULD BE RECYCLED WHERE FEASIBLE AND IS PREFERRED VERSUS DISPOSAL. WASTE MATERIALS COULD ADVERSELY IMPACT THE WATER QUALITY OF THE STREAMS, LAKES, PONDS, AND WETLANDS. IF THESE MATERIALS CANNOT BE RECYCLED, THEY MUST BE TRANSFERRED TO AN OFFSITE FACILITY, AND DISPOSED OF IN ACCORDANCE WITH PADEP REGULATIONS.

TEMPORARY CONTROLS

AN EROSION CONTROL PRODUCT SHALL BE INSTALLED ON ALL DISTURBED SLOPES STEEPER OR EQUAL TO 3:1. ALL AREAS OF CONCENTRATED FLOWS, AND DISTURBED AREAS WITHIN FIFTY (50) FEET OF WATERS OF THE COMMONWEALTH.

- 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 THE FOLLOWING SOIL AMENDMENTS WITH TOPSOIL AND WORK INTO A FOUR-INCH TO SIX-INCH (4-6") SOIL DEPTH.
3.1. APPLY 1 TON OF AGRICULTURAL-GRADE LIMESTONE PER ACRE OR AS PER SOIL TEST.
3.2. APPLY NPK 10-10-10 FERTILIZER BY BROADCASTING AT A RATE OF 500 LBS/ACRE OR AS PER SOIL TEST.
4. THOROUGHLY LOOSEN THE AREAS TO BE SEEDING BY AN APPROVED METHOD UNTIL THE TILLAGE IS ACCEPTED. IRREGULARITIES IN THE SURFACE, RESULTING FROM TILLAGE OR FROM OTHER OPERATIONS, SHALL BE SMOOTHED BEFORE SEEDING OPERATIONS BEGIN TO PREVENT THE FORMATION OF WATER-COLLECTING POCKETS.
5. ALL SEEDS SHALL BE FURNISHED TO THE PROJECT SITE IN MIX PREPARED BY THE SEED PROCESSOR. THE MIX SHALL HAVE A CERTIFICATION TAG WHICH SHALL BE PRESENTED TO THE OWNER'S REPRESENTATIVE. THE MIXTURE SHALL BE AS FOLLOWS:
5.1. TEMPORARY MIXTURE: THIS MIX SHALL BE USED ON ALL AREAS TO BE SEEDDED AFTER DISTURBANCE, BUT PRIOR TO IMPLEMENTATION OF PERMANENT CONTROL MEASURES.
MIX ANNUAL RYEGRASS % MIX PURITY GERMINATION
100% 95% 90%
6. THE PREPARED AREAS SHALL THEN BE SEEDDED WITH THE SPECIFIED SEED BY MEANS OF A MECHANICAL HOPPER TYPE SEEDER AT THE RATE OF 50 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. SEEDING SHALL BE DONE ON A DAY WHEN THERE IS NO WIND.
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. THE COMPLETED AREAS SHALL PRESENT A SMOOTH AND FINISHED APPEARANCE. THE SEEDING AND COMPACTING OF THE LARGE AREAS MAY BE ACCOMPLISHED BY USE OF A "GILL SEEDER" OR OTHER MECHANICAL SEEDER.
9. ALL EROSION AND SEDIMENTATION CONTROLS SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE NATIONAL RESOURCE CONSERVATION SERVICE (NRCS) SOIL CONSERVATION SERVICE (SCS) STANDARD RECOMMENDATIONS AND THE PA DEP SOIL EROSION AND SEDIMENTATION POLLUTION CONTROL PROGRAM MANUAL. 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 PA DEP EROSION AND SEDIMENT CONTROL REQUIREMENTS.
10. MULCH SHALL BE PLACED OVER DISTURBED AREAS IMMEDIATELY AFTER RAKING AND SEEDING OR PLANTING HAS BEEN PERFORMED. SALT HAY OR OTHER SALINE MARSH GRASSES ARE NOT ACCEPTABLE. THE MATERIAL SHALL BE APPLIED AT AN AVERAGE MINIMUM DEPTH OF TWO INCHES (2") LOOSE MEASUREMENT. CARE SHALL BE TAKEN WHEN PLACING THE MULCH SO AS NOT TO DISTURB THE SEEDED SURFACES. THE MULCH SHALL BE SECURED BY THE FOLLOWING METHOD, OR OTHER METHOD PRESENTED BY THE CONTRACTOR AND ACCEPTABLE TO THE OWNER'S REPRESENTATIVE:
10.1.FLEX TERRA HIGH PERFORMANCE - FLEXIBLE GROWTH MEDIUM (HP-FGM) MAY BE USED.

PERMANENT CONTROLS

AN EROSION CONTROL PRODUCT SHALL BE INSTALLED ON ALL DISTURBED SLOPES STEEPER OR EQUAL TO 3:1. ALL AREAS OF CONCENTRATED FLOWS, AND DISTURBED AREAS WITHIN FIFTY (50) FEET OF WATERS OF THE COMMONWEALTH.

- 1. 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.
2. E&S BMPS SHALL BE IMPLEMENTED AND MAINTAINED UNTIL THE PERMANENT STABILIZATION IS COMPLETED. ONCE PERMANENT STABILIZATION HAS BEEN ESTABLISHED, THE TEMPORARY E&S BMPS SHALL BE REMOVED. ANY AREAS DISTURBED IN THE ACT OF REMOVING TEMPORARY E&S BMPS SHALL BE PERMANENTLY STABILIZED UPON COMPLETION OF THE TEMPORARY E&S BMP REMOVAL ACTIVITY.
3. FOR AN EARTH DISTURBANCE ACTIVITY OR ANY STAGE OR PHASE OF AN ACTIVITY TO BE CONSIDERED PERMANENTLY STABILIZED, THE DISTURBANCE AREAS SHALL BE COVERED WITH ONE OF THE FOLLOWING:
3.1. A MINIMUM UNIFORM 90% PERENNIAL VEGETATIVE COVER, WITH A DENSITY CAPABLE OF RESISTING ACCELERATED EROSION AND SEDIMENTATION.
3.2. AN ACCEPTABLE BMP WHICH PERMANENTLY MINIMIZES ACCELERATED EROSION AND SEDIMENTATION.
4. PERMANENT SEEDING AND MULCHING WILL BE INCORPORATED INTO THE OPERATIONS DURING THE APPROVED PLANTING SEASONS. SEED APPLICATION WILL BE WITH CYCLONE SEEDER, DRILL, OR CULT-PACKER SEEDER. MULCH WILL BE SPREAD AND ANCHORED MECHANICALLY OR UNIFORMLY BY HAND.
5. ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE STABILIZED BY APPLYING A SEED MIXTURE TO ESTABLISH AN EROSION-RESISTANT STAND OF VEGETATION IN THE LEAST AMOUNT OF TIME.
5.1. ALL SEEDS, AS SPECIFIED, SHALL CONFORM TO THE PENNSYLVANIA SEED ACT OF 1965, AS AMENDED, AND REGULATIONS OF THE PENNSYLVANIA DEPARTMENT OF AGRICULTURE, BUREAU OF PLANT INDUSTRY.
5.2. ALL SEEDS SHALL BE FURNISHED TO THE PROJECT SITE IN MIX PREPARED BY THE SEED PROCESSOR. THE MIX SHALL HAVE A CERTIFICATION TAG WHICH SHALL BE PRESENTED TO THE OWNER'S REPRESENTATIVE. THE MIXTURE SHALL BE AS FOLLOWS:
5.2.1.1. NATIVE UPLAND VEGETATION: SEE NATIVE SEEDING SCHEDULE ON THIS SHEET. THIS IS TO BE USED ON ALL DISTURBED AREAS, INCLUDING IN AND AROUND THE SOLAR ARRAYS AND LAYDOWN AREAS.
5.3. BEFORE SEEDING, APPLY THE FOLLOWING SOIL AMENDMENTS WITH TOPSOIL AND WORK INTO A FOUR-INCH TO SIX-INCH (4-6") SOIL DEPTH:
5.3.1. APPLY 6 TONS OF AGRICULTURAL-GRADE LIMESTONE PER ACRE.
5.3.2. APPLY NPK 10-20-20 FERTILIZER BY BROADCASTING AT A RATE OF 1,000 LBS/ACRE.
5.4. THE PREPARED AREAS SHALL THEN BE SEEDDED WITH THE SPECIFIED SEED BY MEANS OF A MECHANICAL HOPPER TYPE SEEDER AT THE RATE OF 30 LBS/ACRE OR AS SPECIFIED IN THE NATIVE SEEDING SCHEDULE.
5.5. 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. SEEDING SHALL BE DONE ON A DAY WHEN THERE IS NO WIND.
5.6. 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. THE COMPLETED AREAS SHALL PRESENT A SMOOTH AND FINISHED APPEARANCE. THE SEEDING AND COMPACTING OF THE LARGE AREAS MAY BE ACCOMPLISHED BY USE OF A "GILL SEEDER" OR OTHER MECHANICAL SEEDER.
6. ALL EROSION AND SEDIMENTATION CONTROLS SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE NATIONAL RESOURCE CONSERVATION SERVICE (NRCS) SOIL CONSERVATION SERVICE (SCS) STANDARD RECOMMENDATIONS AND THE PA DEP SOIL EROSION AND SEDIMENTATION POLLUTION CONTROL PROGRAM MANUAL. 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 PA DEP EROSION AND SEDIMENT CONTROL REQUIREMENTS.
7. MULCH SHALL BE PLACED OVER DISTURBED AREAS IMMEDIATELY AFTER RAKING AND SEEDING OR PLANTING HAS BEEN PERFORMED. SALT HAY OR OTHER SALINE MARSH GRASSES ARE NOT ACCEPTABLE. THE MATERIAL SHALL BE APPLIED AT AN AVERAGE MINIMUM DEPTH OF TWO INCHES (2") LOOSE MEASUREMENT. CARE SHALL BE TAKEN WHEN PLACING THE MULCH SO AS NOT TO DISTURB THE SEEDED SURFACES. THE MULCH SHALL BE SECURED BY THE FOLLOWING METHOD, OR OTHER METHOD PRESENTED BY THE CONTRACTOR AND ACCEPTABLE TO THE OWNER'S REPRESENTATIVE:
7.1. FLEX TERRA HIGH PERFORMANCE - FLEXIBLE GROWTH MEDIUM (HP-FGM) MAY BE USED.

MULCHING

CLEAN OAT OR WHEAT STRAW SHALL BE FREE FROM MATURE SEED-BEARING STALKS OR ROOTS OF PROHIBITED OR NOXIOUS WEEDS AS DEFINED BY THE PENNSYLVANIA SEED ACT OF 1947. APPLY AT A RATE OF THREE (3) TONS PER ACRE [ONE-HUNDRED TWENTY-FIVE (125) POUNDS PER ONE-HUNDRED (100) SQUARE YARDS]. PRECAUTIONS SHALL BE TAKEN TO STABILIZE THE MULCH UNTIL THE VEGETATIVE COVER IS ESTABLISHED. MULCH SHALL BE ANCHORED IMMEDIATELY AFTER APPLICATION TO PREVENT WINDBLOWN TRANSPORT.

NATIVE SEEDING SCHEDULE

Table with 2 columns: COMMON NAME and SCIENTIFIC NAME. Lists various native plant species like Upland Native Re-vegetation, Creeping Red Fescue, Chewink's Fescue, etc.

PLANT MIX SCHEDULE

Table with 4 columns: PLANTING ZONE, QUANTITY, SEED MIX, COMMENT. Lists planting zones like Native Upland and Solar Farm with quantities and seed mix types.

NOTES:

- 1. REFER TO NATIVE SEEDING SCHEDULE FOR A LIST OF SPECIES CONTAINED WITHIN THE MIX.
2. NATIVE/NATURALIZED SOLAR FARM SEED MIX ERNMX-198-1 BY ERNST CONSERVATION SEEDS, 906 MERCER PEEK, MEADVILLE, PA 16335, 1-800-873-3321, OR APPROVED EQUIVALENT.
3. ARM RECOMMENDS OVERSEEDING THE PERMANENT SEED WITH NORTHEAST SOLAR POLLINATOR BUFFER MIX ERNMX-610 IN THE CLEARED AREAS OUTSIDE THE PROPOSED FENCE IN ORDER TO PROMOTE WILDLIFE HABITAT.

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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Revision table with columns for No., Date, and Description. Includes entries for 'AS NOTED' and '02/17/2026'.

Professional Engineer information table with fields for Name (ARM KDC), License No. (JGS 02501 1048), and State (MD).

NOTES PRELIMINARY SOLAR DEVELOPMENT PLAN MDL186 STREAKER RD SOLAR PROJECT CARROLL COUNTY, MARYLAND

