



280 East Broad Street // Suite 200 // Rochester, NY 14604
585.232.5135 / 585.232.4652 fax
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OWNER: JUSTIN, ALLISON, & BONNIE SNYDER
APPLICANT: DELAWARE RIVER SOLAR, LLC.
AND ITS AFFILIATE:
NY ALFRED I, LLC.

5568 JERICHO HILL ROAD
ALFRED, NY 14803

NY ALFRED I, LLC.
COMMUNITY SOLAR
FARM PROJECT
PRELIMINARY SITE PLAN

PROJECT CONTACT LIST

OWNER: - JUSTIN, ALLISON, & BONNIE SNYDER - 5568 JERICHO HILL ROAD - ALFRED, NY 14803	ARCHITECT: - TBD	ELECTRICAL ENGINEER: - TBD
APPLICANT: - DELAWARE RIVER SOLAR, LLC. AND ITS AFFILIATE: NY ALFRED I, LLC. - 140 EAST 45TH STREET - SUITE 32B-1 - NEW YORK, NY 10017 - CONTACT: PETER DOLGOS - PHONE: 646.998.6495	MECHANICAL ENGINEER: - TBD	
STRUCTURAL ENGINEER: - TBD	CIVIL ENGINEER: - BERGMANN - 280 EAST BROAD STREET - SUITE 200 - ROCHESTER, NY 14604 - CONTACT: DAVID PLANTE - PHONE: 585.498.7877	

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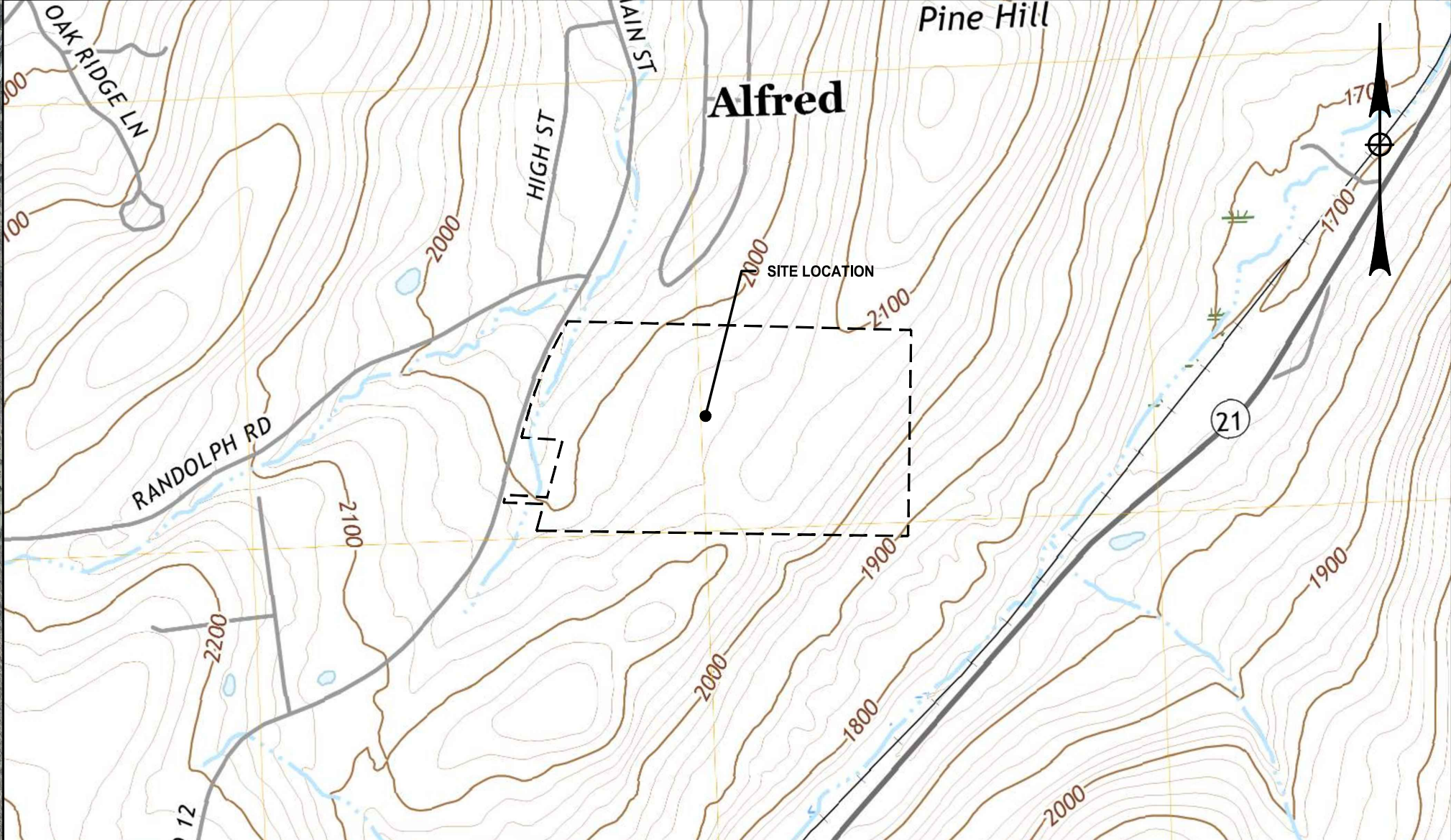
DATE	DESCRIPTION
07/01/2021	REVISED PER TOWN COMMENTS
09/03/2021	REVISED PER TOWN COMMENTS

PRELIMINARY
05/28/21
012773.46

PROJECT LOCATION MAP: 1" - 1000'



PROJECT TOPOGRAPHIC MAP: 1" - 1000'



SEQUENCE OF CONSTRUCTION:

1. PRE-CONSTRUCTION MEETING HELD TO INCLUDE PROJECT MANAGER, OPERATOR'S ENGINEER, CONTRACTOR, AND SUB-CONTRACTORS PRIOR TO LAND DISTURBING ACTIVITIES.
2. CONSTRUCT CONSTRUCTION ENTRANCE/EXIT AT LOCATIONS DESIGNATED ON PLANS.
3. INSTALL PERIMETER SILT SOCK.
4. HAVE A QUALIFIED PROFESSIONAL CONDUCT AN ASSESSMENT OF THE SITE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
5. BEGIN CLEARING AND GRUBBING OPERATIONS. CLEARING AND GRUBBING SHALL BE DONE ONLY IN AREAS WHERE EARTHWORK WILL BE PERFORMED AND ONLY IN AREAS WHERE CONSTRUCTION IS PLANNED TO COMMENCE WITHIN 14 DAYS AFTER CLEARING AND GRUBBING.
6. STRIP TOPSOIL AND STOCKPILE IN A LOCATION ACCEPTABLE TO CONSTRUCTION MANAGER. WHEN STOCKPILE IS COMPLETE, INSTALL PERIMETER SILT FENCE, SEED SURFACE WITH 100% PERENNIAL RYEGRASS MIXTURE AT A RATE OF 2-4 LBS. PER 1000 SF. APPLY 90-100 LBS PER 1000 SF OF MULCH.
7. COMMENCE EARTHWORK CUT AND FILLS. THE WORK SHALL BE PROGRESSED TO ALLOW A REASONABLE TRANSFER OF CUT AND FILL EARTH FOR ROUGH GRADING AND EARTH MOVING. THE CONTRACTOR WILL BE GIVEN SOME LATITUDE TO VARY FROM THE FOLLOWING SCHEDULE IN ORDER TO MEET THE FIELD CONDITIONS ENCOUNTERED. CONTRACTOR SHALL REVIEW VARIATIONS TO SWPPP WITH DESIGN ENGINEER AND QUALIFIED PROFESSIONAL PRIOR TO IMPLEMENTATION.
8. INSTALL TEMPORARY CONSTRUCTION ROAD, AS NEEDED, AND IMMEDIATELY STABILIZE WITH CRUSHED STONE (OR EQUIVALENT) TO PREVENT EROSION AS SOON AS PRACTICABLE.
9. STABILIZE ALL AREAS AS SOON AS PRACTICABLE. IDLE IN EXCESS OF 7 DAYS AND IN WHICH CONSTRUCTION WILL NO RECOMMENCE WITHIN 14 DAYS.
10. INSTALL PERIMETER FENCE, SOLAR PANELS, UTILITIES, AND APPURTENANCES. TRENCH EXCAVATION/BACKFILL AREAS SHOULD BE STABILIZED PROGRESSIVELY AT THE END OF EACH WORKDAY WITH SEED AND STRAW MULCH AT A RATE OF 100% PERENNIAL RYE GRASS AT 2-4 LBS./1000 SF MULCHED AT 90-100 LBS./1000 SF.
11. STABILIZE ALL AREAS IDLE IN EXCESS OF 7 DAYS IN WHICH CONSTRUCTION WILL NOT RECOMMENCE WITHIN 14 DAYS.
12. REMOVE TEMPORARY CONSTRUCTION EXIT(S) AND PERIMETER SILT SOCK ONCE THE SITE HAS REACHED 80% UNIFORM STABILIZATION.
13. REMOVE TEMPORARY CONSTRUCTION ROAD AND CONSTRUCT THE PROPOSED LIMITED-USE PERVIOUS GRAVEL DRIVEWAY. THE SUB-GRADE MATERIAL WHERE THE DRIVEWAY IS TO BE INSTALLED SHALL BE DECOMPACTED PER NYSDEC'S "DEEP-RIPPING AND DECOMPACTION" MANUAL, DATED APRIL 2008. CONTRACTOR SHALL AVOID FREQUENT HEAVY TRAFFIC ON THE LIMITED-USE PERVIOUS GRAVEL.

GENERAL NOTES:

1. THE UNDERGROUND STRUCTURES AND UTILITIES SHOWN ON THIS MAP HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORD MAPS. THEY ARE NOT CERTIFIED TO THE ACCURACY OF THEIR LOCATION AND/OR COMPLETENESS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION AND EXTENT OF ALL UNDERGROUND STRUCTURES AND UTILITIES PRIOR TO ANY DIGGING OR CONSTRUCTION ACTIVITIES IN THEIR VICINITY. THE CONTRACTOR SHALL HAVE ALL EXISTING UTILITIES FIELD STAKED BEFORE STARTING WORK BY CALLING 1-800-962-7962.
2. THE CONTRACTOR SHALL PERFORM ALL WORK IN COMPLIANCE WITH TITLE 29 OF FEDERAL REGULATIONS, PART 1926, SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION (OSHA).
3. HIGHWAY DRAINAGE ALONG ALL ROADS AND PRIVATE DRIVES SHALL BE KEPT CLEAN OF MUD, DEBRIS ETC. AT ALL TIMES.
4. THE CONTRACTOR SHALL CONSULT THE DESIGN ENGINEER BEFORE DEVIATING FROM THESE PLANS.
5. IN ALL TRENCH EXCAVATIONS, CONTRACTOR MUST LAY THE TRENCH SIDE SLOPES BACK TO A SAFE SLOPE, USE A TRENCH SHIELD OR PROVIDE SHEETING AND BRACING.
6. IF SUSPICIOUS AND/OR HAZARDOUS MATERIAL IS ENCOUNTERED DURING DEMOLITION/CONSTRUCTION, ALL WORK SHALL STOP AND THE ALLEGANY COUNTY DEPARTMENT OF HEALTH AND THE NEW YORK STATE DEPARTMENT OF CONSERVATION SHALL BE NOTIFIED IMMEDIATELY. WORK SHALL NOT RESUME UNTIL THE DEVELOPER HAS OUTLINED APPROPRIATE ACTION FOR DEALING WITH THE WASTE MATERIAL AND THE DEVELOPMENT PLANS ARE MODIFIED AS MAY BE NECESSARY.
7. EXCAVATED WASTE MATERIAL REMOVED FROM THE SITE SHALL BE PLACED AT A LOCATION ACCEPABLE TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION.
8. AREAS DISTURBED OR DAMAGED AS PART OF THIS PROJECTS CONSTRUCTION THAT ARE OUTSIDE OF THE PRIMARY WORK AREA SHALL BE RESTORED, AT THE CONTRACTORS EXPENSE, TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
9. UNLESS COVERED BY THE CONTRACT SPECIFICATIONS OR AS NOTED ON THE PLANS, ALL WORK SHALL CONFORM TO THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED MAY 1, 2008 AND ANY SUBSEQUENT APPENDICES.

WASTE/HAZARDOUS MATERIAL PRACTICES:

1. WHENEVER POSSIBLE COVERED TRASH CONTAINERS SHOULD BE USED.
2. DAILY SITE CLEANUP IS REQUIRED TO REDUCE DEBRIS AND POLLUTANTS IN THE ENVIRONMENT.
3. CONTRACTOR SHALL PROVIDE A SAFE STORAGE SPACE FOR ALL PAINTS, STAINS AND SOLVENTS INSIDE A COVERED STORAGE AREA.
4. ALL FUELS, OILS, AND GREASE MUST BE KEPT IN CONTAINERS AT ALL TIMES.

EROSION & SEDIMENT CONTROL NOTES:

1. INSTALL EROSION CONTROL MEASURES AS INDICATED ON THE PLAN PRIOR TO THE START OF ANY EXCAVATION WORK. EROSION CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH THE NEW YORK STATE GUIDELINES FOR URBAN EROSION SEDIMENT CONTROL MANUAL, NEW YORK STATE HEALTH DEPARTMENT, AND THE GOVERNING MUNICIPAL REQUIREMENTS.
2. REMOVE AND STOCKPILE TOPSOIL AS DIRECTED BY THE CONSTRUCTION MANAGER REPLACE TOPSOIL TO A MINIMUM 4" DEPTH WITH TOPSOIL OR AMENDED SOIL. ALL DISTURBED AREAS TO BE SEEDED TO PROMOTE VEGETATION AS SOON AS PRACTICABLE.
3. IF THE SEASONS PROHIBITS TEMPORARY SEEDING, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW HAY OR EQUIVALENT AND ANCHORED IN ACCORDANCE WITH THE "STANDARDS", NETTING OR LIQUID MULCH BINDER.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND REMOVAL OF TEMPORARY SEDIMENTATION CONTROLS. EROSION CONTROL MEASURES SHALL NOT BE REMOVED BEFORE 80% UNIFORM VEGETATION HAS BEEN ACHIEVED.
5. ALL EROSION CONTROL MEASURES ARE TO BE REPLACED WHENEVER THEY BECOME CLOGGED OR INOPERABLE AND SHALL BE REPLACED AT A MINIMUM OF EVERY 3 MONTHS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORATION OF TOPSOIL OR AMENDED TO ALL DISTURBED AREAS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN EROSION CONTROL MEASURES AT ALL TIMES.
7. THE CONTRACTOR SHALL DESIGNATE A MEMBER OF HIS/HER FIRM TO BE RESPONSIBLE TO MONITOR EROSION CONTROL, EROSION CONTROL STRUCTURES, TREE PROTECTION AND PRESERVATION THROUGHOUT CONSTRUCTION.
8. ALL DISTURBED AREAS SHALL BE FINISH GRADED TO PROMOTE VEGETATION ON ALL EXPOSED AREAS AS SOON AS PRACTICABLE. STABILIZATION PRACTICES (TEMPORARY/PERMANENT SEEDING, MULCHING, GEOTEXTILES, ETC.) MUST BE IMPLEMENTED WITHIN SEVEN (7) DAYS WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, AND NOT EXPECTED TO RESUME WITHIN FOURTEEN (14) DAYS.
9. PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES. ALL CONSTRUCTION DEBRIS AND SEDIMENT SPOILS, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAYS MUST BE REMOVED IMMEDIATELY.
10. DUST SHALL BE CONTROLLED BY WATERING.
11. ADJOINING PROPERTY SHALL BE PROTECTED FROM EXCAVATION AND FILLING OPERATIONS ON THE PROPOSED SITE.
12. SLOPE TRACKING SHALL BE IMPLEMENTED ON ALL SLOPE 1 ON 3 OR GREATER AT THE END OF EACH WORK DAY AND PRIOR TO FINAL SLOPE GRADING AND STABILIZATION.

SITE STABILIZATION:

1. WHEN FINAL GRADE IS ACHIEVED DURING NON-GERMINATING MONTHS, THE AREA SHOULD BE MULCHED UNTIL THE BEGINNING OF THE NEXT PLANTING SEASON.
2. MULCHES SHOULD BE APPLIED AT THE RATES SHOWN IN THE MULCH APPLICATION RATES TABLE. VERY LITTLE BARE GROUND SHOULD BE VISIBLE THROUGH THE MULCH.
3. STRAW AND HAY MULCH SHOULD BE ANCHORED OR TACKIFIED IMMEDIATELY AFTER APPLICATION TO PREVENT BEING WINDBLOWN. A TRACTOR-DRAWN IMPLEMENT MAY BE USED TO "CRIMP" THE STRAW OR HAY INTO THE SOIL - ABOUT 3 INCHES. THIS METHOD SHOULD BE LIMITED TO SLOPES NO STEEPER THAN 3H:1V. THE MACHINERY SHOULD BE OPERATED ALONG THE CONTOUR. NOTE: CRIMPING OF HAY OR STRAW BY RUNNING OVER IT WITH TRACKED MACHINERY IS NOT RECOMMENDED.
4. BEFORE SEEDING IS APPLIED THE CONTRACTOR SHALL SPREAD SOIL TO PREVENT PONDING AND CONFIRM THAT SOIL WILL SUSTAIN THE SEED GERMINATION AND ESTABLISHMENT OF VEGETATION.
5. GRADED AREAS SHOULD BE SCARIFIED OR OTHERWISE LOOSENEO TO A DEPTH OF 3 TO 5 INCHES TO PERMIT BONDING OF THE TOPSOIL TO THE SURFACE AREAS AND TO PROVIDE A ROUGHENED SURFACE TO PREVENT TOPSOIL FROM SLIDING DOWN SLOPE. COMPACTED SOILS SHOULD BE SCARIFIED TO A DEPTH OF 6 TO 12 INCHES, ALONG CONTOUR WHEREVER POSSIBLE, PRIOR TO SEEDING.
6. TOPSOIL OR AMENDED SOIL SHOULD BE UNIFORMLY DISTRIBUTED ACROSS THE DISTURBED AREA TO A MINIMUM DEPTH OF 6 INCHES. SPREADING SHOULD BE DONE IN SUCH A MANNER THAT SODDING OR SEEDING CAN PROCEED WITH A MINIMUM OF ADDITIONAL PREPARATION OR TILLAGE. IRREGULARITIES IN THE SURFACE RESULTING FROM TOPSOIL PLACEMENT SHOULD BE CORRECTED IN ORDER TO PREVENT FORMATION OF DEPRESSIONS.
7. TOPSOIL SHOULD NOT BE PLACED WHILE THE TOPSOIL OR SUBSOIL IS IN A FROZEN OR MUDDY CONDITION. WHEN THE SUBSOIL IS EXCESSIVELY WET, OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING AND SEEDBED PREPARATION.
8. WHEN USED AS A MULCH REPLACEMENT, THE APPLICATION RATE (THICKNESS) OF THE COMPOST SHOULD BE $\frac{1}{2}$ " TO $\frac{3}{4}$ ". COMPOST SHOULD BE PLACED EVENLY AND SHOULD PROVIDE 100% SOIL COVERAGE. NO SOIL SHOULD BE VISIBLE.
9. POLYMERIC AND GUM TACKIFIERS MIXED AND APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS MAY BE USED TO TACK MULCH. AVOID APPLICATION DURING RAIN AND ON WINDY DAYS. A 24-HOUR CURING PERIOD AND A SOIL TEMPERATURE HIGHER THAN 45° F ARE TYPICALLY REQUIRED. APPLICATION SHOULD GENERALLY BE HEAVIEST AT EDGES OF SEEDED AREAS AND AT CRESTS OF RIDGES AND BANKS TO PREVENT LOSS BY WIND. THE REMAINDER OF THE AREA SHOULD HAVE BINDER APPLIED UNIFORMLY. BINDERS MAY BE APPLIED AFTER MULCH IS SPREAD OR SPRAYED INTO THE MULCH AS IT IS BEING BLOWN ONTO THE SOIL. APPLYING STRAW AND BINDER TOGETHER IS GENERALLY MORE EFFECTIVE.
10. SYNTHETIC BINDERS, OR CHEMICAL BINDERS, MAY BE USED AS RECOMMENDED BY THE MANUFACTURER TO ANCHOR MULCH PROVIDED SUFFICIENT DOCUMENTATION IS PROVIDED TO SHOW THEY ARE NON-TOXIC TO NATIVE PLANT AND ANIMAL SPECIES.
11. MULCH ON SLOPES OF 8% OR STEEPER SHOULD BE HELD IN PLACE WITH NETTING. LIGHTWEIGHT PLASTIC, FIBER, OR PAPER NETS MAY BE STAPLED OVER THE MULCH ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
12. SHREDDED PAPER HYDROMULCH SHOULD NOT BE USED ON SLOPES STEEPER THAN 5%. WOOD FIBER HYDROMULCH MAY BE APPLIED ON STEEPER SLOPES PROVIDED A TACKIFIER IS USED. THE APPLICATION RATE FOR ANY HYDROMULCH SHOULD BE 2,000 LB/ACRE AT A MINIMUM.
13. LIME, FERTILIZER, SEED, AND MULCH DISTURBED AREAS PER THE EROSION AND SEDIMENT CONTROL PLANS. IN AREAS OF STEEP SLOPES OR OBVIOUS AREAS WHERE POTENTIAL EROSION MAY OCCUR, AN EROSION CONTROL MAT OR FLEXIBLE GROWTH MEDIUM (FGM) SHALL BE USED. FGM SHALL BE APPLIED PER MANUFACTURER SPECIFICATIONS.
14. ONCE A SECTION OF THE ALIGNMENT HAS BEEN STABILIZED, NO CONSTRUCTION TRAFFIC SHALL OCCUR TO REMOVE ANY BMPS UNTIL THE SECTION HAS ACHIEVED 80% PERENNIAL VEGETATIVE COVER. AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM 80% PERENNIAL VEGETATIVE COVER OR OTHER PERMANENT NONVEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING OR OTHER MOVEMENTS.

STORM WATER POLLUTION PREVENTION PLAN NOTES:

1. THE CONTRACTOR SHALL PROVIDE A QUALIFIED INSPECTOR TO INSPECT THE PROJECT AT THE END OF EACH WORK WEEK AND PROVIDE A REPORT AT LEAST ONCE PER WEEK.
2. EROSION CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH THE NEW YORK STATE GUIDELINES FOR URBAN EROSION SEDIMENT CONTROL MANUAL, SCHUYLER COUNTY HEALTH DEPARTMENT, AND THE TOWN OF DIX REQUIREMENTS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE BEST MANAGEMENT PRACTICES (BMP'S) UNTIL GROUND COVER IS ESTABLISHED.
4. REMOVE AND STOCKPILE TOPSOIL AS DIRECTED BY THE CONSTRUCTION MANAGER. REPLACE TOPSOIL TO A MINIMUM 4" DEPTH. ALL DISTURBED AREAS TO BE HYDROSEEDED AS DIRECTED BY THE CONSTRUCTION MANAGER TO PROMOTE VEGETATION AS SOON AS PRACTICABLE.
5. IF THE SEASONS PROHIBITS TEMPORARY SEEDING, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW HAY OR EQUIVALENT AND ANCHORED IN ACCORDANCE WITH THE "STANDARDS", NETTING OR LIQUID MULCH BINDER.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND REMOVAL OF TEMPORARY SEDIMENTATION CONTROLS. EROSION CONTROL MEASURES SHALL NOT BE REMOVED BEFORE 80% UNIFORM VEGETATION HAS BEEN ACHIEVED.
7. ALL EROSION CONTROL MEASURES ARE TO BE REPLACED WHENEVER THEY BECOME CLOGGED OR INOPERABLE AND SHALL BE REPLACED WHEN THEY HAVE REACHED THE DESIGN LIFE INDICATED IN THE NYS GUIDELINES FOR URBAN EROSION SEDIMENT CONTROL DESIGN MANUAL OR EVERY THREE MONTHS.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORATION OF TOPSOIL TO ALL DISTURBED AREAS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN EROSION CONTROL MEASURES AT ALL TIMES.
9. THE CONTRACTOR SHALL DESIGNATE A MEMBER OF HIS/HER FIRM TO BE RESPONSIBLE TO MONITOR EROSION CONTROL AND EROSION CONTROL STRUCTURES THROUGHOUT CONSTRUCTION.
10. ALL DISTURBED AREAS SHALL BE FINISH GRADED TO PROMOTE VEGETATION ON ALL EXPOSED AREAS AS SOON AS PRACTICABLE. STABILIZATION PRACTICES (TEMPORARY/PERMANENT SEEDING, MULCHING, GEOTEXTILES, ETC.) MUST BE IMPLEMENTED WITHIN SEVEN (7) DAYS WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, AND NOT EXPECTED TO RESUME WITHIN FOURTEEN (14) DAYS.
11. PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES. ALL CONSTRUCTION DEBRIS AND SEDIMENT SPOILS, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAYS MUST BE REMOVED IMMEDIATELY.
12. DUST SHALL BE CONTROLLED BY WATERING.
13. ADJOINING PROPERTIES SHALL BE PROTECTED FROM EXCAVATION AND FILLING OPERATIONS ON THE PROPOSED SITE.
14. EROSION CONTROL MEASURES SHOULD BE RELOCATED INWARD AS PERIMETER SLOPE CONSTRUCTION PROGRESSES AND RECONSTRUCTED TO THE NYS STANDARDS & SPECIFICATION AT THE END OF EACH DAY.
15. PERIMETER AREAS SHALL BE TEMPORARILY STABILIZED WITH SEED AND MULCH PROGRESSIVELY AT MINIMUM AT THE END OF EACH WEEK WITH 100% PERENNIAL RYEGRASS MIX AT A RATE OF 2-4 LBS PER 1000 SF AND MULCH 90-100 LBS PER 1000 SF OF WEED FREE STRAW.
16. SLOPE TRACKING SHALL BE IMPLEMENTED ON ALL SLOPE 1 ON 3 OR GREATER AT THE END OF EACH WORK DAY AND PRIOR TO FINAL SLOPE GRADING AND STABILIZATION.

TABLE 1. NY ALFRED I, LLC. COMMUNITY SOLAR FARM: WETLAND IMPACTS

WETLAND TYPE	WETLAND AREA (SQ. FT./AC)	AREA OF IMPACT (SQ. FT./AC)	
BERGMANN DELINEATED WETLAND 1A - PFO	2,927 SQ. FT./ 0.067 AC	TEMPORARY	PERMANENT
		0 SQ. FT./ 0 AC	0 SQ. FT./ 0 AC
BERGMANN DELINEATED WETLAND 1B - PFO	5,711 SQ. FT./ 0.13 AC	TEMPORARY	PERMANENT
		0 SQ. FT./ 0 AC	0 SQ. FT./ 0 AC
TOTAL	8,638 SQ. FT./ 0.19 AC	TEMPORARY	PERMANENT
		0 SQ. FT./ 0 AC	0 SQ. FT./ 0 AC

TABLE 2. NY ALFRED I, LLC. COMMUNITY SOLAR FARM: STREAM 1 IMPACTS

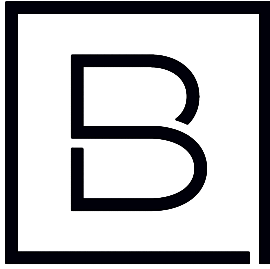
LINEAR FEET OF IMPACT (FT.)		AREA OF IMPACT (SQ. FT.)	
TEMPORARY	PERMANENT	TEMPORARY	PERMANENT
76	0	151	0

TABLE 3. NY ALFRED I, LLC. COMMUNITY SOLAR FARM: STREAM 2 IMPACTS

LINEAR FEET OF IMPACT (FT.)		AREA OF IMPACT (SQ. FT.)	
TEMPORARY	PERMANENT	TEMPORARY	PERMANENT
27	0	54	0

TABLE 4. NY ALFRED I, LLC. COMMUNITY SOLAR FARM: STREAM 3 IMPACTS

LINEAR FEET OF IMPACT (FT.)		AREA OF IMPACT (SQ. FT.)	
TEMPORARY	PERMANENT	TEMPORARY	PERMANENT
0	0	0	0



BERGMANN
ARCHITECTS ENGINEERS PLANNERS

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Date Revised	Description
07/01/2021	REVISED PER TOWN COMMENTS
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Project Manager	Discipline Lead
DJP	DJP
Designer	Reviewer
JL	ECR
Date Issued	Project Number
05/28/2021	12773.46

Sheet Name

GENERAL NOTES

Drawing Number

C001

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McDelaware River Solar\012773 46 Delaware River Solar 5568 Jericho Hill\4.0 Dwg\4.1 Cw\002-Overall.dwg
9/3/2021 4:29 PM



NUMBER	TAX ID	PARCEL OWNER
1	164.-1-54	TODD LARSEN & SCOTT LARSEN
2	164.-1-62	JOHN E. GRADONI
3	164.-1-9	CHARLES D. ELLIOTT & CAROL A. ELLIOTT
4	164.-1-8.3	JUSTIN SNYDER & ALLISON SNYDER
5	164.15-2-7.2	MEREDITH L. TERRY
6	164.15-2-42	BILLY R. CARSTENS & SHAWN E. CARSTENS
7	164.15-2-7.3	HYOJIN LEE & SEONYOUNG HAN



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Project Manager	Discipline Lead
DJP	DJP
Designer	Reviewer
JL	ECR
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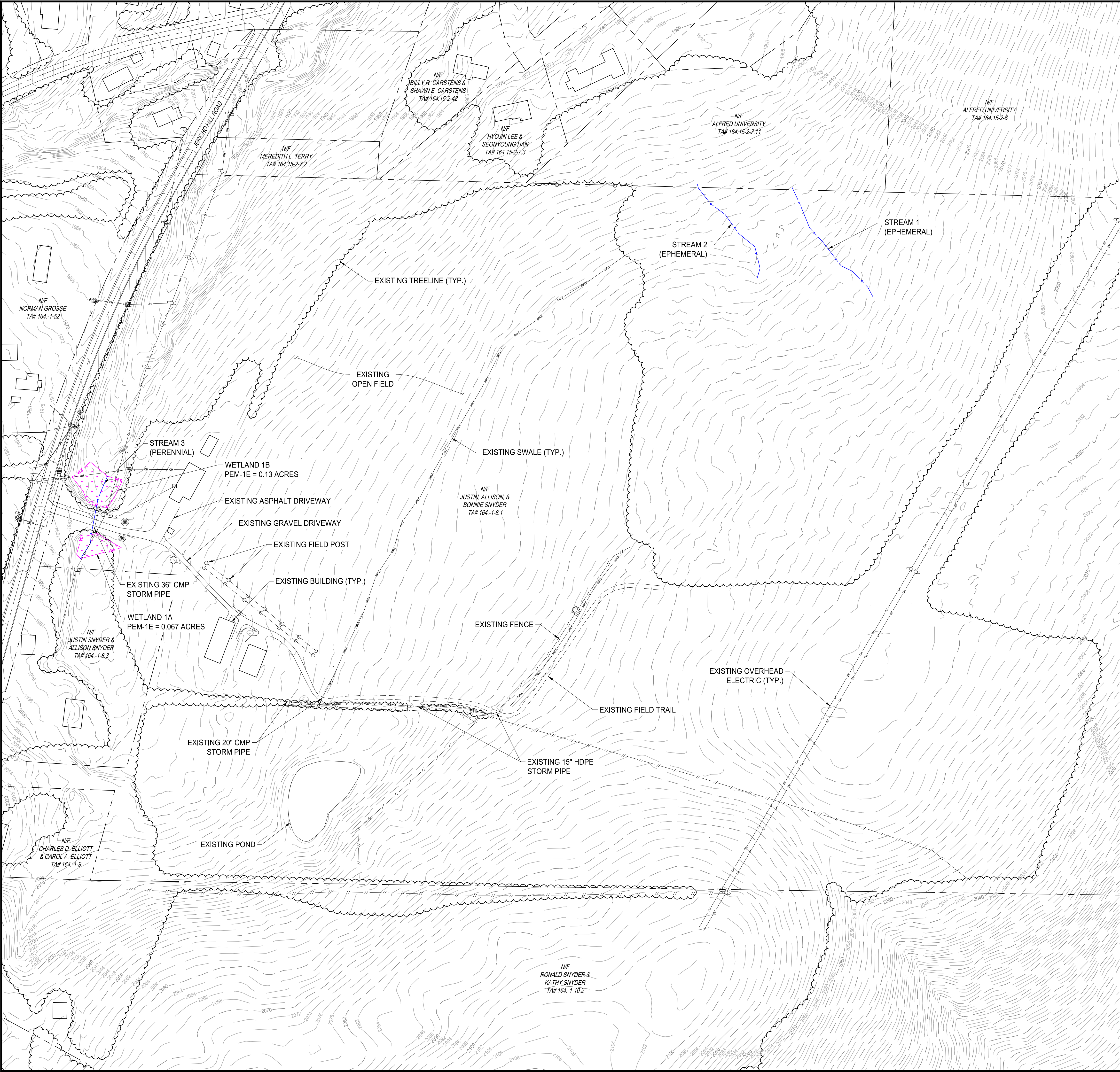
Sheet Name

AREA PARCEL PLAN

Drawing Number

C002

ARCH D 2436
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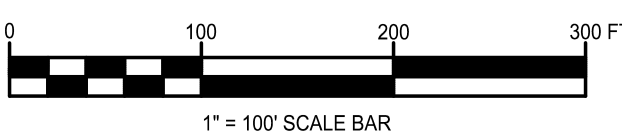


- NOTES
1. PROPERTY IS KNOWN AS TAX MAP ID # 164.-1-8.1 THE TOWN OF ALFRED, ALLEGANY COUNTY, NEW YORK.
 2. LOT AREA = 7,061,076 S.F. OR 162.1 AC.
 3. NO CHANGES IN STREET RIGHT OF WAY LINES EITHER COMPLETED OR PROPOSED KNOWN TO THIS SURVEYOR, NO OBSERVABLE EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OR REPAIRS.
 4. VERTICAL DATUM = NAVD83.
 5. LOCATION OF ALL UNDERGROUND UTILITIES ARE APPROXIMATE. ALL LOCATIONS AND SIZES ARE BASED ON UTILITY MARK-OUTS, ABOVE GROUND STRUCTURES THAT WERE VISIBLE & ACCESSIBLE IN THE FIELD, AND THE MAPS LISTED IN THE REFERENCES AVAILABLE AT THE TIME OF THE SURVEY. AVAILABLE AS-BUILT PLANS AND UTILITY MARK-OUT DOES NOT ENSURE MAPPING OF ALL UNDERGROUND UTILITIES AND STRUCTURES. BEFORE ANY EXCAVATION IS TO BEGIN, ALL UNDERGROUND UTILITIES SHOULD BE VERIFIED AS TO THEIR LOCATION, SIZE AND TYPE BY THE PROPER UTILITY COMPANIES.
 6. THIS PLAN WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT. THIS PROPERTY MAY BE SUBJECT TO RESTRICTIONS, COVENANTS AND/OR EASEMENTS, WRITTEN OR IMPLIED.
 7. THE EXISTENCE OF UNDERGROUND STORAGE TANKS, IF ANY, WAS NOT KNOWN AT THE TIME OF THIS SURVEY.
 8. TOPOGRAPHIC INFORMATION SHOWN HEREON TAKEN FROM GROUND SURVEY PERFORMED BY BERGMANN ON MAY 3, 2021 AND MAY 12, 2021.

LEGEND

LEGEND

- MONUMENT FOUND
- REBAR FOUND
- PIPE FOUND
- ONE POST SIGN
- TWO POST SIGN
- BOLLARD/POST
- DOWNSPOUT
- ELECTRICAL BOX
- ELECTRIC METER
- TRANSFORMER
- GAS VALVE
- GAS METER
- LIGHT POLE (ONE HEAD)
- LIGHT POLE (TWO HEAD)
- LIGHT POLE (THREE HEAD)
- LIGHT POLE (FOUR HEAD)
- LIGHT POLE (PEDESTAL)
- WASH LIGHT
- TELEPHONE JUNCTION BOX
- FIBER OPTIC LINE MARKER
- UTILITY POLE
- GUY WIRE
- SIGNAL POLE
- TRAFFIC CONTROL CABINET
- RECTANGULAR HANDHOLE
- ROUND HANDHOLE
- SQUARE HANDHOLE
- HYD
- WATER VALVE
- FIRE DEPARTMENT CONNECTION
- CLEAN OUT
- CATCH BASIN
- INLET DRAINAGE MANHOLE
- SANITARY MANHOLE
- ELECTRIC MANHOLE
- CONIFEROUS BUSH OR TREE
- DECIDUOUS BUSH OR TREE
- MAILBOX OR PAPER BOX
- INVERT OR INVERT WITH END SECTION
- EDGE OF WOODS
- EDGE OF WATER
- CENTERLINE OF SWALE/DITCH
- CHAIN LINK FENCE
- GUIDE RAIL
- SANITARY SEWER LINE
- STORM DRAINAGE LINE
- UNDERGROUND DOMESTIC WATER LINE
- UNDERGROUND FIRE WATER LINE
- UNDERGROUND GAS LINE
- UNDERGROUND TELEPHONE LINE
- UNDERGROUND ELECTRIC LINE
- UNDERGROUND TELEPHONE & ELECTRIC LINE
- UNDERGROUND FIBER OPTIC LINE
- OVERHEAD UTILITY WIRE
- LEASE LINE
- ADJOINING PROPERTY LINE
- EASEMENT LINE
- RIGHT OF WAY LINE
- RIGHT OF WAY LINE
- DELINEATED WETLAND - PFO
- SCHEDULE "B" TITLE EXCEPTION NUMBER



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NY ALFRED I, LLC.

COMMUNITY SOLAR FARM PROJECT

5568 JERICHO HILL ROAD
ALFRED, NY 14803

Date Revised	Description
07/01/2021	REVISED PER TOWN COMMENTS
09/03/2021	REVISED PER TOWN COMMENTS

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Project Manager	Discipline Lead
DJP	DJP
Designer	Reviewer
JL	ECR
Date Issued	Project Number
05/28/2021	12773.46

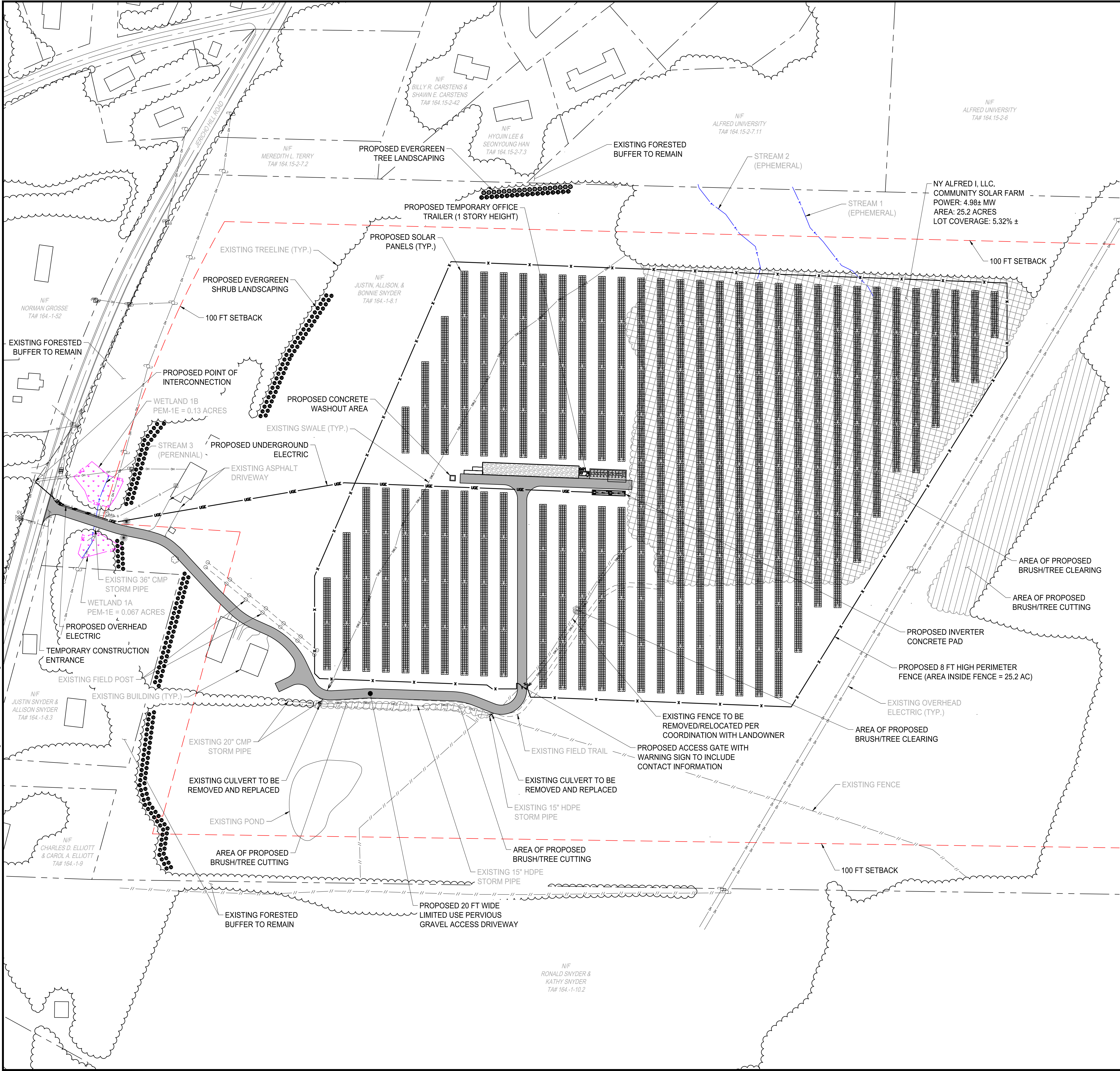
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EXISTING CONDITIONS PLAN

Drawing Number

C003

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SITE PLAN DATA TABLE			
SITE IS LOCATED IN THE "AG" AGRICULTURAL ZONING DISTRICT			
PROPOSED USE: SOLAR - PERMITTED USE BY SPECIAL USE PERMIT AND SITE PLAN APPROVAL			
PARCEL 164-1-8.1			
TOWN OF ALFRED, COUNTY OF ALLEGANY			
STATE OF NEW YORK			
APPLICANT: DELAWARE RIVER SOLAR, LLC. AND ITS AFFILIATE: NY ALFRED I, LLC. 140 EAST 45TH STREET SUITE 302-1 NEW YORK, NY 10017 (646) 998-6495		OWNER(S) OF RECORD: JUSTIN, ALLISON, & BONNIE SNYDER 5568 JERICHO HILL ROAD ALFRED, NY 14803	
PLANS PREPARED BY: BERGMANN 280 EAST BROAD STREET, SUITE 200 ROCHESTER, NY 14604 (585) 232-5135			
DESCRIPTION	REQUIRED	PROPOSED	
MIN. LOT AREA	10 AC	162.1 AC	
FRONT YARD SETBACK	100 FT	308 FT	
SIDE YARD SETBACK	100 FT	193 FT/413 FT	
REAR YARD SETBACK	100 FT	780 FT	
MAX. HEIGHT OF PANELS	20 FT	>15 FT	
MAX. LOT COVERAGE	35%	5.32%	

FARMLAND DISTURBANCE TABLE				
FARMLAND CLASSIFICATION	EXISTING LOT AREA (ACRES)	PERMANENT DISTURBANCE	PROJECT FOOTPRINT AREA (ACRES)	PROJECT FOOTPRINT AREA (%)
FARMLAND OF STATEWIDE IMPORTANCE	81.5±	320,012± SF (7.34± AC.)	21.7±	26.62%
PRIME FARMLAND IF DRAINED	20.3±	196,892± SF (4.52± AC.)	5.64±	27.78%
NOT PRIME FARMLAND	60.3±	218± SF (0.005 AC.)	0.01±	0.016%
TOTAL	162.1±	517,122± SF (11.86± AC.)	27.35±	16.87%

- SPECIAL PERMIT STANDARDS FOR TIER 3, AGRICULTURAL/RESIDENTIAL USAGE DISTRICT
- MINIMUM LOT SIZE REQUIREMENTS: 10.0 ACRES
 - PARCEL LINE SETBACK REQUIREMENTS: FRONT/SIDE/REAR = 100'
 - MAXIMUM HEIGHT REQUIREMENTS: 20'
 - MAXIMUM LOT COVERAGE: 35% (INCLUSIVE OF FOUNDATION/POLES, ALL MECHANICAL EQUIPMENT/PAD MOUNTED STRUCTURES AND PAVED ACCESS ROADS)
 - FENCE HEIGHT: 7' REQUIRED
 - TIER 3 SOLAR ENERGY SYSTEMS LOCATED ON PRIME SOILS OR SOILS OF STATEWIDE IMPORTANCE CANNOT EXCEED 50% OF THE ENTIRE LOT AND WILL BE REQUIRED TO SEED AT LEAST 20% OF THE TOTAL SURFACE AREA OF THE PANELS ON THE LOT WITH NATIVE PERENNIAL VEGETATION DESIGNED TO ATTRACT POLLINATORS.
 - UTILITIES SHOULD BE UNDERGROUND TO THE MAXIMUM EXTENT PRACTICABLE.
- *NOTE: PLEASE SEE SITE PLAN DATA TABLE AND FARMLAND DISTURBANCE TABLE FOR DETAIL.

LEGEND

PROPOSED SOLAR PANELS

X

X

PROPOSED PERIMETER FENCE

USE

USE

PROPOSED UNDERGROUND ELBCTRIC

OHE

OHE

PROPOSED OVERHEAD ELECTRIC

ST

ST

PROPOSED STORM PIPE

SWL

SWL

PROPOSED SWALE

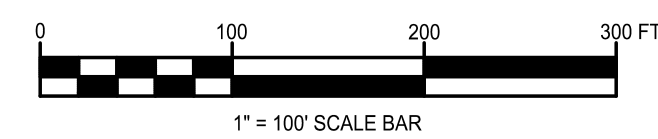
PROPOSED LIMITED USE PERVIOUS GRAVEL DRIVEWAY

AREA OF PROPOSED BRUSH/TREE CLEARING OR CUTTING

DELINEATED WETLAND - PFO

SETBACK LINE

- NOTES
- PLEASE SEE SHEET C013 FOR SEED MIX DETAIL TO BE USED IN ALL DISTURBED AREAS OF PRIME FARMLAND OR FARMLAND OF STATEWIDE IMPORTANCE.



B

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NY ALFRED I, LLC.

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5568 JERICHO HILL ROAD
ALFRED, NY 14803

Date Revised

Description

07/01/2021

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09/03/2021

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Discipline Lead

DJP

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Designer

Reviewer

JL

ECR

Date Issued

Project Number

05/28/2021

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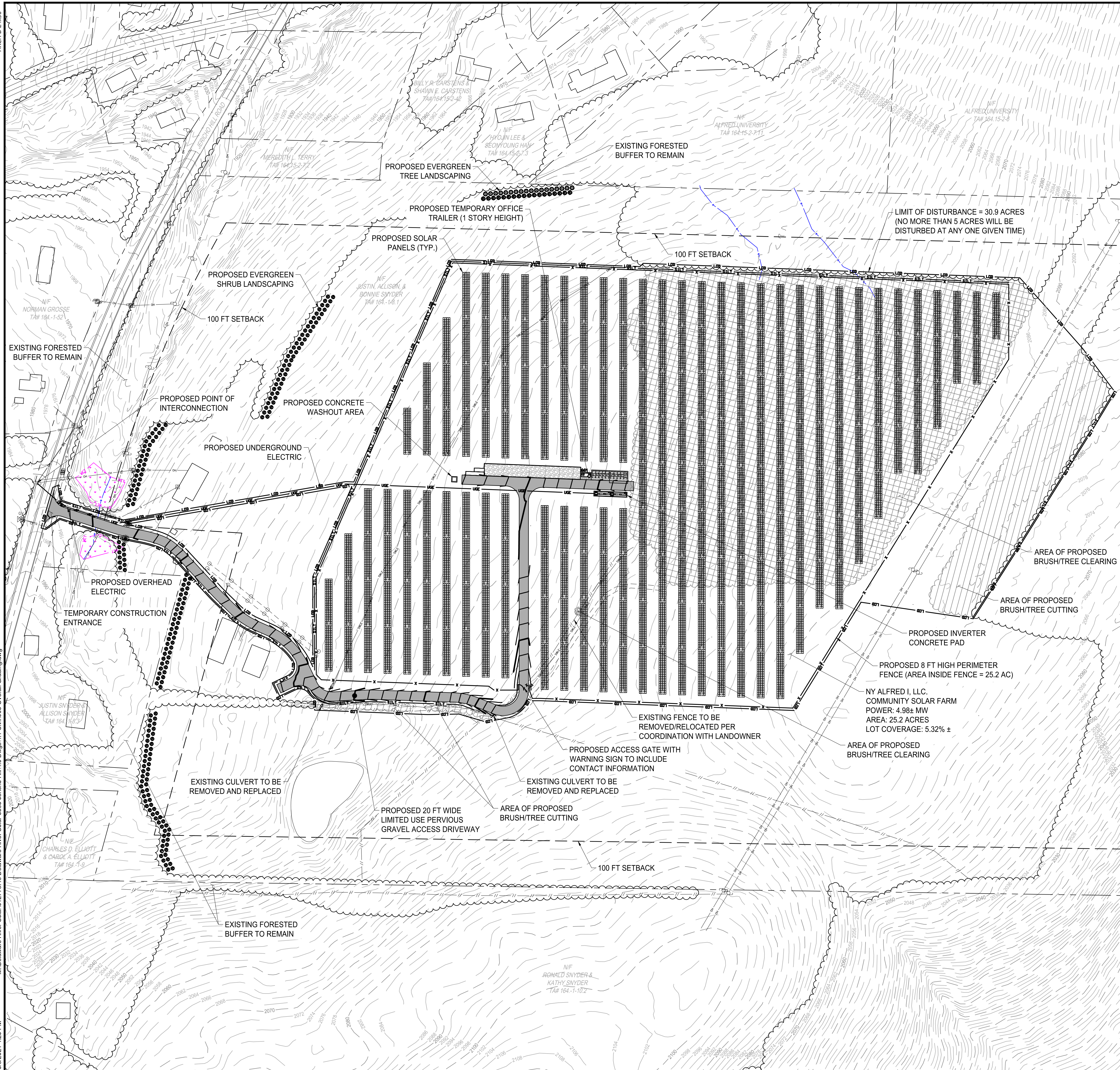
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SITE PLAN

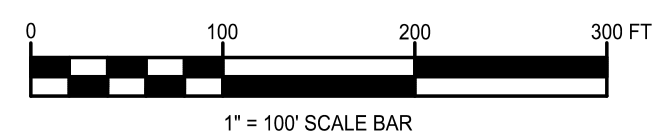
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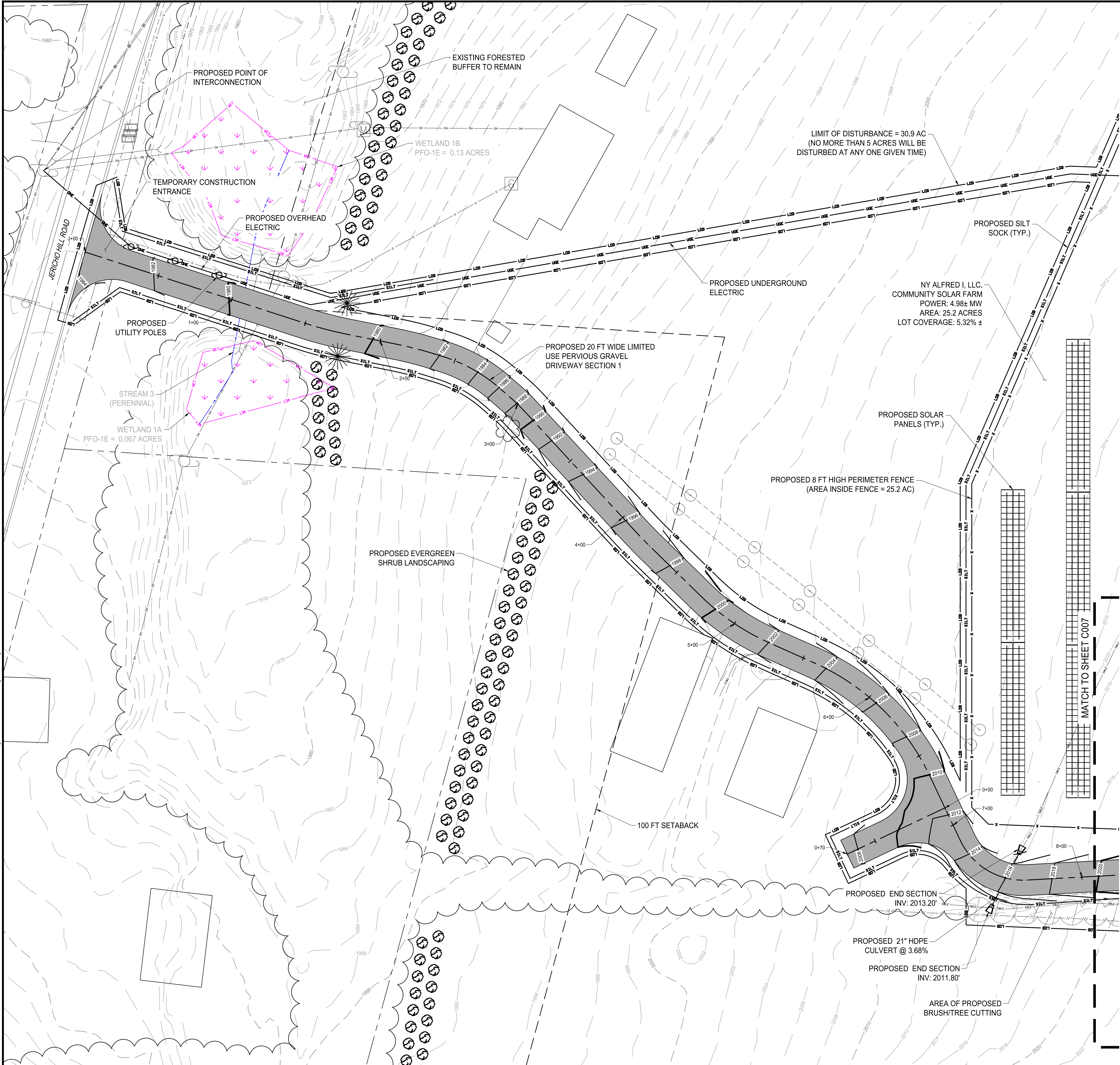
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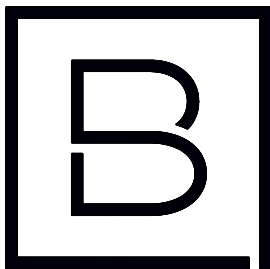
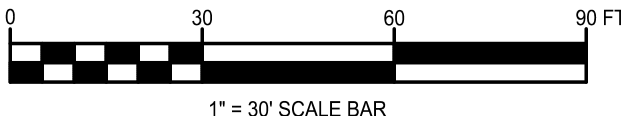
EXISTING MINOR CONTOUR





LEGEND

- PROPOSED SOLAR PANELS
- PROPOSED PERIMETER FENCE
- PROPOSED UNDERGROUND ELECTRIC
- PROPOSED OVERHEAD ELECTRIC
- PROPOSED STORM PIPE
- PROPOSED BYPASS SWALE
- PROPOSED LIMITED USE PERVIOUS GRAVEL DRIVEWAY
- AREA OF PROPOSED BRUSH/TREE CLEARING OR CUTTING
- SETBACK LINE
- LIMITS OF DISTURBANCE
- DRIVEWAY SECTION ALIGNMENT
- PROPOSED SILT SOCK
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR



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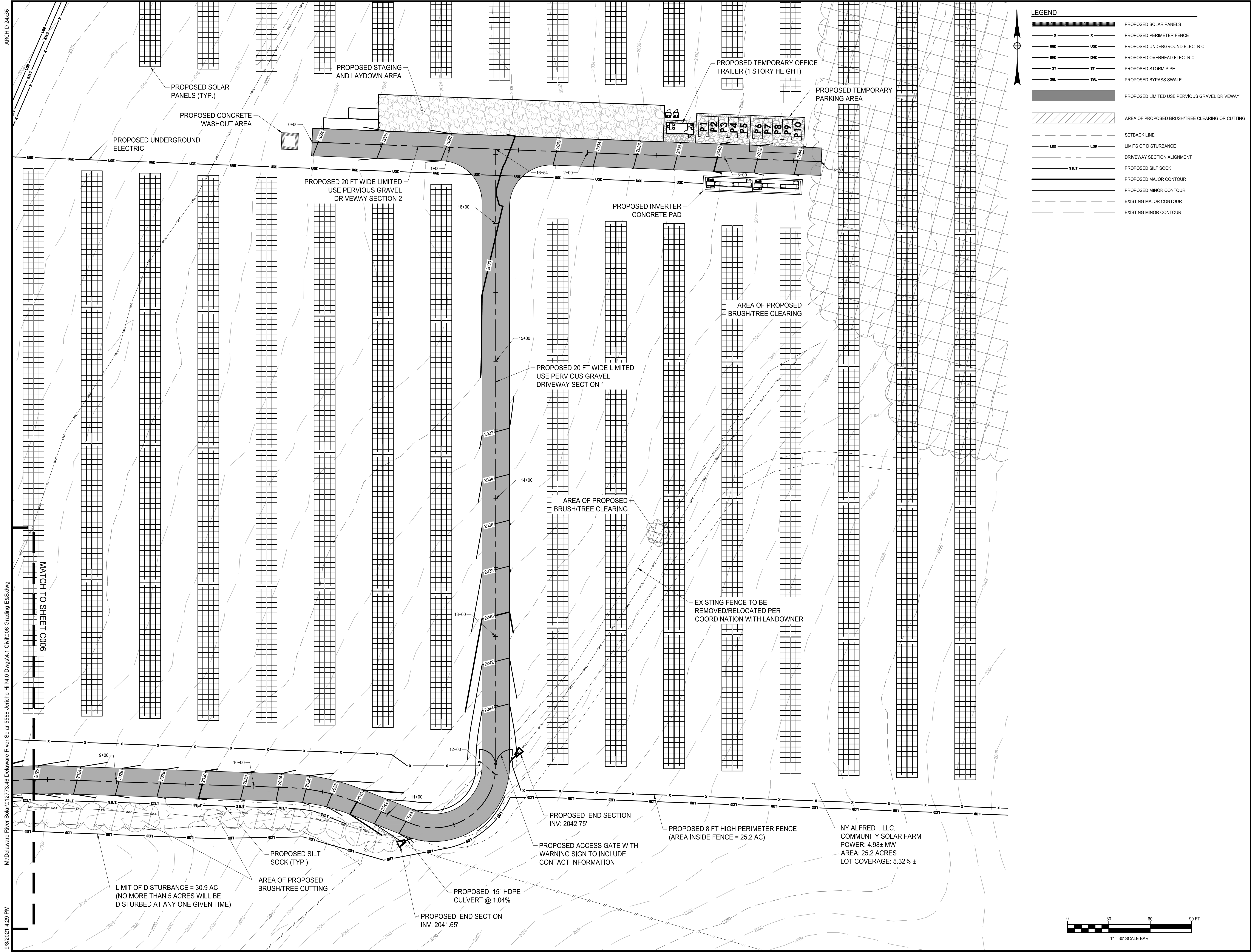
Project Manager	Discipline Lead
DJP	DJP
Designer	Reviewer
JL	ECR
Date Issued	Project Number
05/28/2021	12773.46

Sheet Name

**GRADING & EROSION
CONTROL PLAN**

Drawing Number

C006



LEGEND

- PROPOSED SOLAR PANELS
- PROPOSED PERIMETER FENCE
- PROPOSED UNDERGROUND ELECTRIC
- PROPOSED OVERHEAD ELECTRIC
- PROPOSED STORM PIPE
- PROPOSED BYPASS SWALE
- PROPOSED LIMITED USE PERVIOUS GRAVEL DRIVEWAY
- AREA OF PROPOSED BRUSH/TREE CLEARING OR CUTTING
- SETBACK LINE
- LIMITS OF DISTURBANCE
- DRIVEWAY SECTION ALIGNMENT
- PROPOSED SILT SOCK
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR



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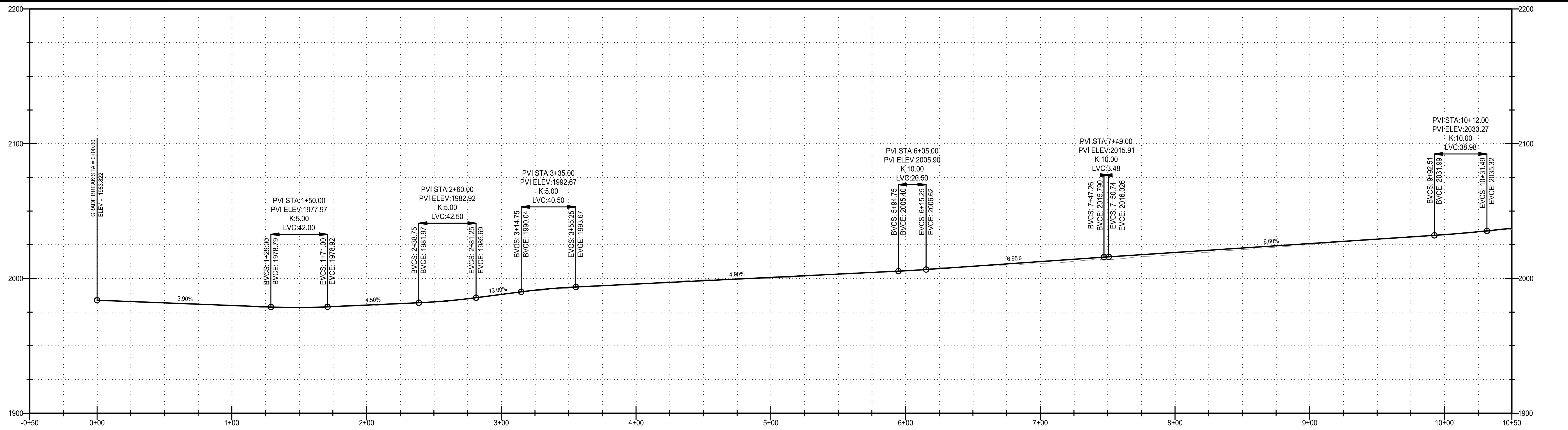
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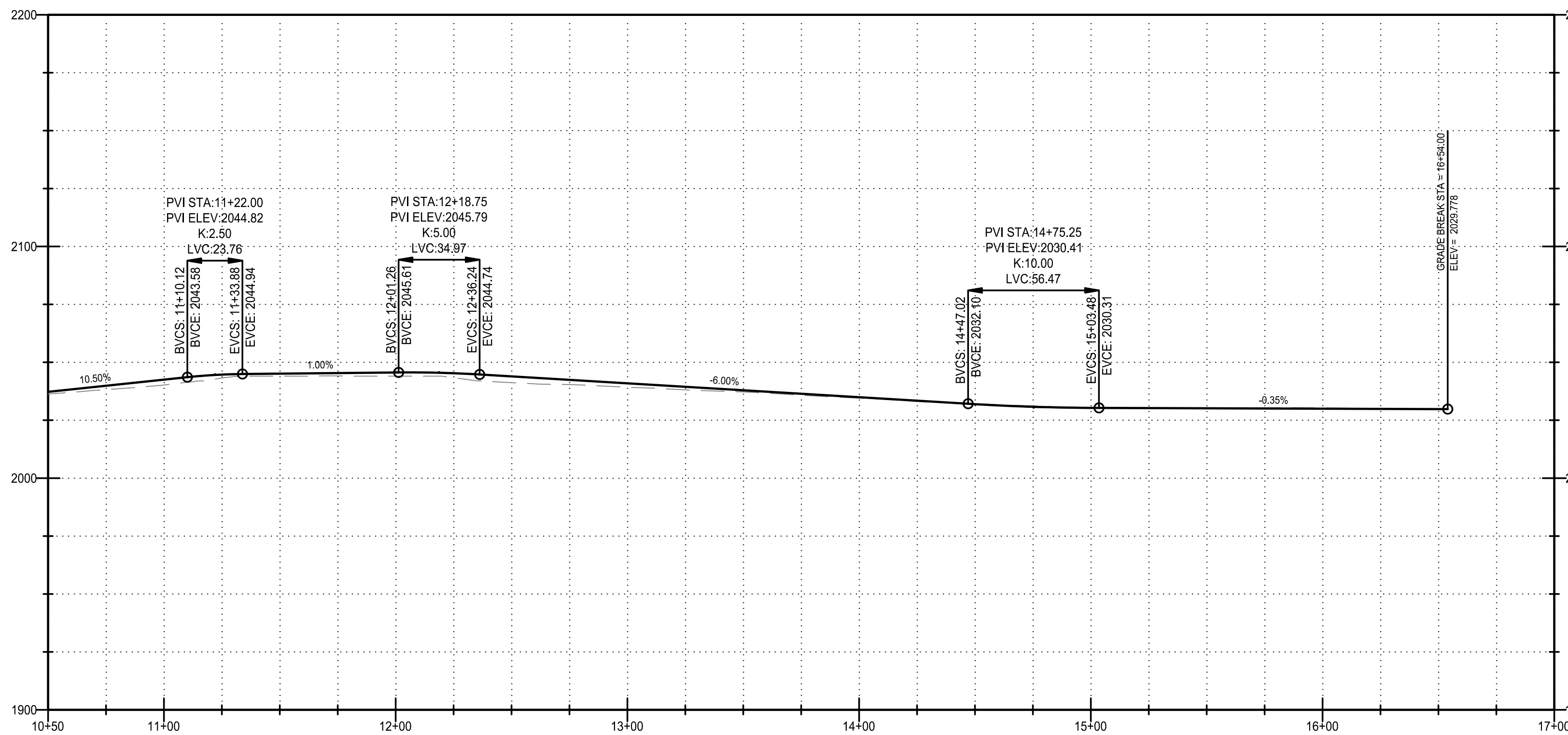
GRADING & EROSION CONTROL PLAN

Drawing Number

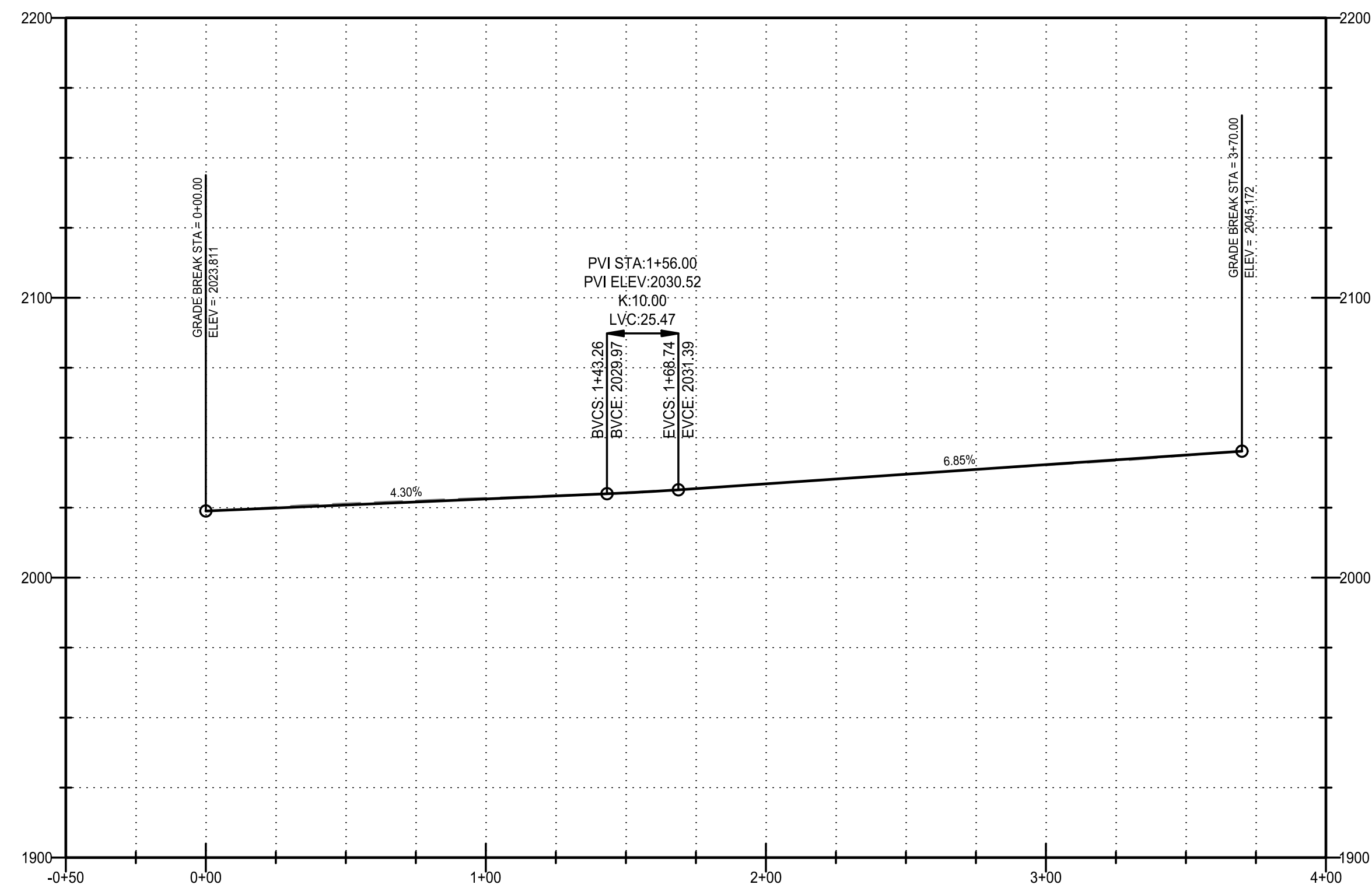
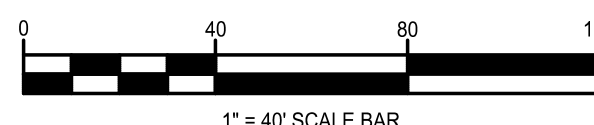
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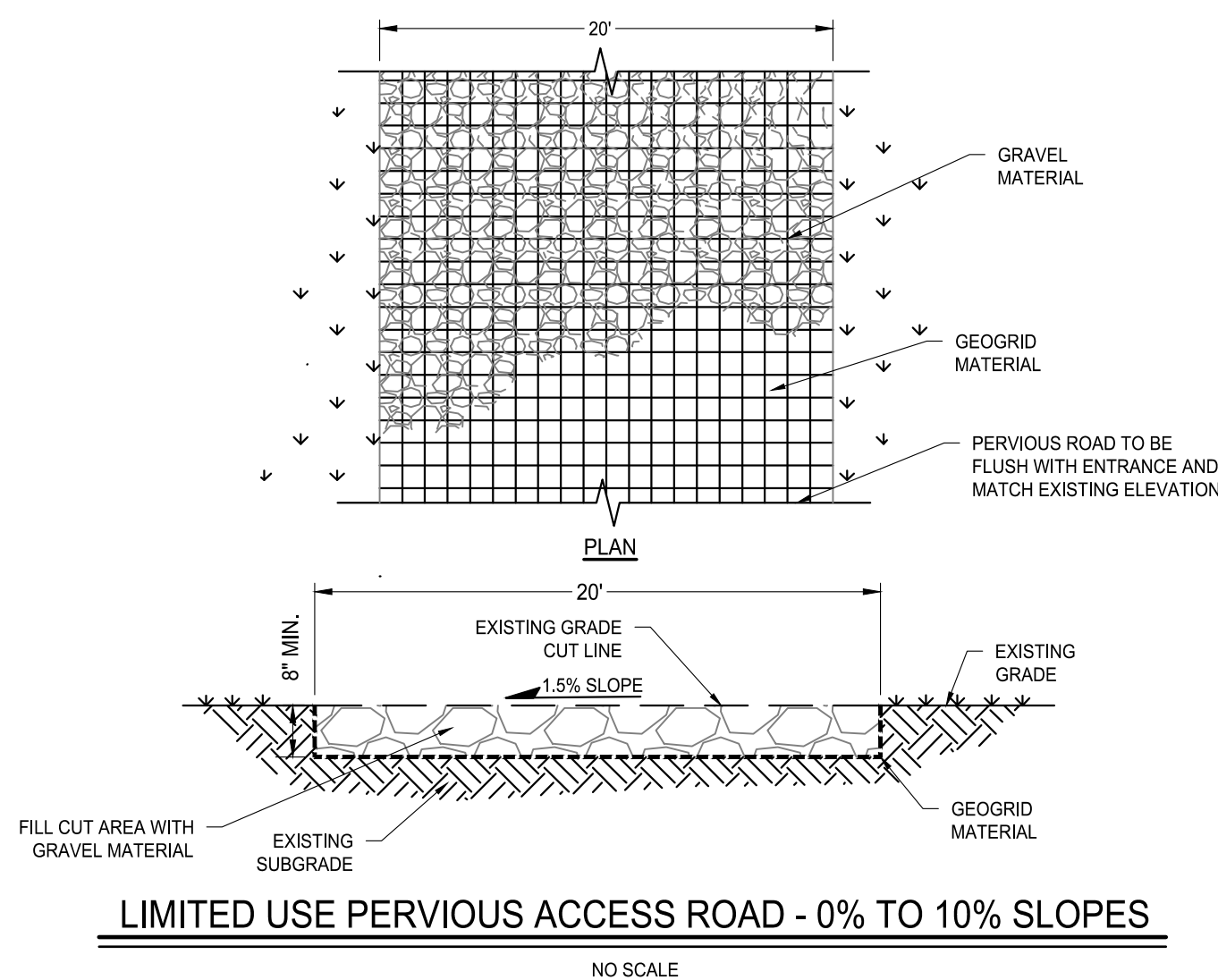
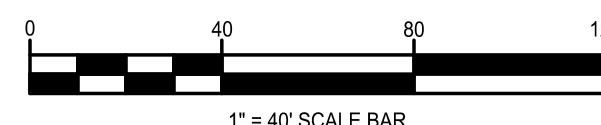
DRIVEWAY SECTION 1 (STA. 0+00 TO 10+50)



DRIVEWAY SECTION 1 (STA. 10+50 TO 16+54)



DRIVEWAY SECTION 2 (STA. 0+00 TO 3+70)

**GEOGRID MATERIAL NOTES:**

1. THE GEOGRID, OR COMPARABLE PRODUCT, IS INTENDED FOR USE IN ALL CONDITIONS, IN ORDER TO ASSIST IN MATERIAL SEPARATION FROM NATIVE SOILS AND PRESERVE ACCESS LOADS.
2. GRAVEL FILL MATERIAL SHALL CONSIST OF 1-4" CLEAN, DURABLE, SHARP ANGLED CRUSHED STONE OF UNIFORM QUALITY, MEETING THE SPECIFICATION OF NYSDOT 703-02. SIZE DESIGNATION 3-5 OF THABLE 703-4. STONE MAY BE PLACED IN FRONT OF AND SPREAD WITH A TRACKED VEHICLE. GRAVEL SHALL NOT BE COMPACTED.
3. GEOGRID SHALL BE MIRAFI BXG110 OR APPROVED EQUAL. GEOGRID SHALL BE DESIGNED BASED ON EXISTING SOIL CONDITIONS AND PROPOSED HAUL ROAD SLOPES.
4. IF MORE THAN ONE ROLL WIDTH IS REQUIRED, ROLLS SHOULD OVERLAP A MINIMUM OF SIX INCHES.
5. REFER TO MANUFACTURER'S SPECIFICATION FOR PROPER TYING AND CONNECTIONS.
6. LIMITED USE PERVIOUS ACCESS ROAD SHALL BE DRESSED AS REQUIRED WITH ONLY 1-4" CRUSHED STONE MEETING NYSDOT 703-02 SPECIFICATIONS.

BASIS OF DESIGN: TENCATE MIRAFI BXG110 GEOGRIDS; 365 SOUTH HOLLAND DRIVE, PENDERGRASS, GA. 800-685-9990 OR 706-693-2226; WWW.MIRAFI.COM

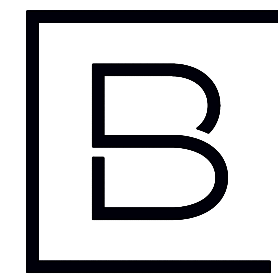
WOVEN GEOTEXTILE MATERIAL NOTES:

1. SPECIFIED GEOTEXTILE WILL ONLY BE UTILIZED IN PLACID SOILS. PLACID SOILS CONSIST OF POORLY DRAINED SOILS COMPOSED OF FINELY TEXTURED PARTICLES AND ARE PRONE TO RUTTING. PLACID SOILS ARE TYPICALLY PRESENT IN LOW-LYING AREAS WITH HYDROLOGIC SOILS GROUP (HSG) OF C OR D OR AS SPECIFIED FROM AN ENVIRONMENTAL SCIENTIST, SOIL SCIENTIST OR GEOTECHNICAL DATA.
2. THE CONCERN OF POTENTIAL REDUCTION OF NATIVE INFILTRATION RATES DUE TO THE GEOTEXTILE MATERIAL WOULD NOT BE A SIGNIFICANT CONCERN IN POORLY DRAINED SOILS WHERE SEGREGATION OF PERVIOUS STONE AND NATIVE MATERIALS IS CRUCIAL FOR LONG TERM OPERATION AND MAINTENANCE.

BASIS OF DESIGN: TENCATE MIRAFI RSI-SERIES WOVEN GEOSYNTHETICS; 365 SOUTH HOLLAND DRIVE, PENDERGRASS, GA. 800-685-9990 OR 706-693-2226; WWW.MIRAFI.COM

GENERAL NOTES:

1. USE OF THIS DETAIL/CRITERION IS LIMITED TO ACCESS ROADS USED ON AN OCCASIONAL BASIS ONLY (I.E. PROVIDE ACCESS FOR MOWING, EQUIPMENT REPAIR OR MAINTENANCE).
2. LIMITED USE PERVIOUS ACCESS ROAD IS LIMITED TO LOW IMPACT IRREGULAR MAINTENANCE ACCESS ASSOCIATED WITH RENEWABLE ENERGY PROJECTS IN NEW YORK STATE.
3. REMOVE STUMPS, ROCKS AND DEBRIS AS NECESSARY, FILL VOIDS TO MATCH EXISTING NATIVE SOILS AND COMPACTION LEVEL.
4. REMOVED TOPSOIL MAY BE SPREAD IN ADJACENT AREAS AS DIRECTED BY THE PROJECT ENGINEER. COMPACT TO THE DEGREE OF THE NATIVE IN SITU SOIL. DO NOT PLACE IN AN AREA THAT IMPEDES STORM WATER DRAINAGE.
5. GRADE ROADWAY, WHERE NECESSARY, TO NATIVE SOILS AND DESIRED ELEVATION. MINOR GRADING FOR CROSS SLOPE CUT AND FILL MAY BE REQUIRED.
6. REMOVE REFUSE SOILS AS DIRECTED BY THE PROJECT ENGINEER. DO NOT PLACE IN AN AREA THAT IMPEDES STORM WATER DRAINAGE.
7. ROADWAY WIDTH TO BE DETERMINED BY CLIENT.
8. THE LIMITED USE PERVIOUS ACCESS ROAD CROSS SLOPE SHALL BE 1.5% IN MOST CASES AND SHOULD NOT EXCEED 6%, THE LONGITUDINAL SLOPE OF THE ACCESS DRIVE SHOULD NOT EXCEED 15%.
9. LIMITED USE PERVIOUS ACCESS ROAD IS NOT INTENDED TO BE UTILIZED FOR CONSTRUCTION WHICH MAY SUBJECT THE ACCESS TO SEDIMENT TRACKING. THIS SPECIFICATION IS TO BE DEVELOPED FOR POST-CONSTRUCTION USE. SOIL RESTORATION PRACTICES MAY BE APPLICABLE TO RESTORE CONSTRUCTION RELATED COMPACTION TO PRE-EXISTING CONDITIONS AND SHOULD BE VERIFIED BY SOIL PENETROMETER READINGS. THE PENETROMETER READINGS SHALL BE COMPARED TO THE RESPECTIVE RECORDED READINGS TAKEN PRIOR TO CONSTRUCTION, EVERY 100 LINEAR FEET ALONG THE PROPOSED ROADWAY.
10. TO ENSURE THAT SOIL IS NOT TRACKED ONTO THE LIMITED USE PERVIOUS ACCESS ROAD, IT SHALL NOT BE USED BY CONSTRUCTION VEHICLES TRANSPORTING SOIL, FILL MATERIAL, ETC. IF THE LIMITED USE PERVIOUS ACCESS IS COMPLETED DURING THE INITIAL PHASES OF CONSTRUCTION AND UTILIZED TO REMOVE SEDIMENT FROM CONSTRUCTION VEHICLES AND EQUIPMENT PRIOR TO ENTERING THE LIMITED USE PERVIOUS ACCESS ROAD FROM ANY LOCATION ON OR OFF SITE, MAINTENANCE OF THE PERVIOUS ACCESS ROAD WILL BE REQUIRED IF SEDIMENT IS OBSERVED WITHIN THE CLEAN STONE.
11. THE LIMITED USE PERVIOUS ACCESS ROAD SHALL NOT BE CONSTRUCTED OR USED UNTIL ALL AREAS SUBJECT TO RUNOFF ONTO THE PERVIOUS ACCESS HAVE ACHIEVED FINAL STABILIZATION.
12. PROJECTS SHOULD AVOID INSTALLATION OF THE LIMITED USE PERVIOUS ACCESS ROAD IN POORLY DRAINED AREAS, HOWEVER IF NO ALTERNATIVE LOCATION IS AVAILABLE, THE PROJECT SHALL UTILIZE WOVEN GEOTEXTILE MATERIAL AS DETAILED IN FOLLOWING NOTES.
13. THE DRAINAGE DITCH IS OFFERED IN THE DETAIL FOR CIRCUMSTANCES WHEN CONCENTRATED FLOW COULD NOT BE AVOIDED. THE INTENTION OF THE DESIGN IS TO MINIMIZE ALTERATIONS TO HYDROLOGY, HOWEVER WHEN DEALING WITH 5%-15% GRADES NOT PARALLEL TO THE CONTOUR, A ROADSIDE DITCH MAY BE REQUIRED, THE NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROLS FOR GRASSED WATERWAYS AND VEGETATED WATERWAYS ARE APPLICABLE FOR SIZING AND STABILIZATION. DIMENSIONS FOR THE GRASSED WATERWAY SPECIFICATION WOULD BE DESIGNED FOR PROJECT SPECIFIC HYDROLOGIC RUNOFF CALCULATIONS, AND A SEPARATE DETAIL FOR THE SPECIFIC GRASSED WATERWAY WOULD BE INCLUDED IN THIS PRACTICE. RUNOFF DISCHARGE WILL BE SUBJECT TO THE OUTLET REQUIREMENTS OF THE REFERENCED STANDARD. INCREASED POST-DEVELOPMENT CONDITIONS.
14. IF A ROADSIDE DITCH IS NOT UTILIZED TO CAPTURE RUNOFF FROM THE ACCESS ROAD, THE PERVIOUS ACCESS ROAD WILL HAVE A WELL-ESTABLISHED PERENNIAL VEGETATIVE COVER, WHICH SHALL CONSIST OF UNIFORM VEGETATION (I.E. BUFFER), 20 FEET WIDE AND PARALLEL TO THE DOWN GRADIENT SIDE OF THE ACCESS ROAD. POST-CONSTRUCTION OPERATION AND MAINTENANCE PRACTICES WILL MAINTAIN THIS VEGETATIVE COVER TO ENSURE FINAL STABILIZATION FOR THE LIFE OF THE ACCESS ROAD.
15. THE DESIGN PROFESSIONAL MUST ACCOUNT FOR THE LIMITED USED PERVIOUS ACCESS ROAD IN THEIR SITE ASSESSMENT/HYDROLOGY ANALYSIS. IF THE HYDROLOGY ANALYSIS SHOWS THAT THE HYDROLOGY HAS BEEN ALTERED FROM PRE- TO POST-DEVELOPMENT CONDITIONS (SEE APPENDIX A OF GP-015-002 FOR THE DEFINITION OF "ALTER THE HYDROLOGY..."), THE DESIGN MUST INCLUDE THE NECESSARY DETENTION/RETENTION PRACTICES TO ATTENUATE THE RATES (10 AND 100 YEAR EVENTS) TO PRE-DEVELOPMENT CONDITIONS.

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NY ALFRED I, LLC.**COMMUNITY SOLAR
FARM PROJECT**5568 JERICHO HILL ROAD
ALFRED, NY 14803

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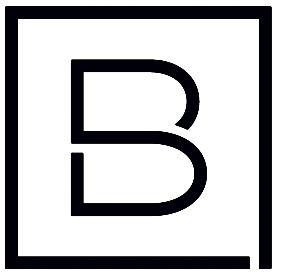
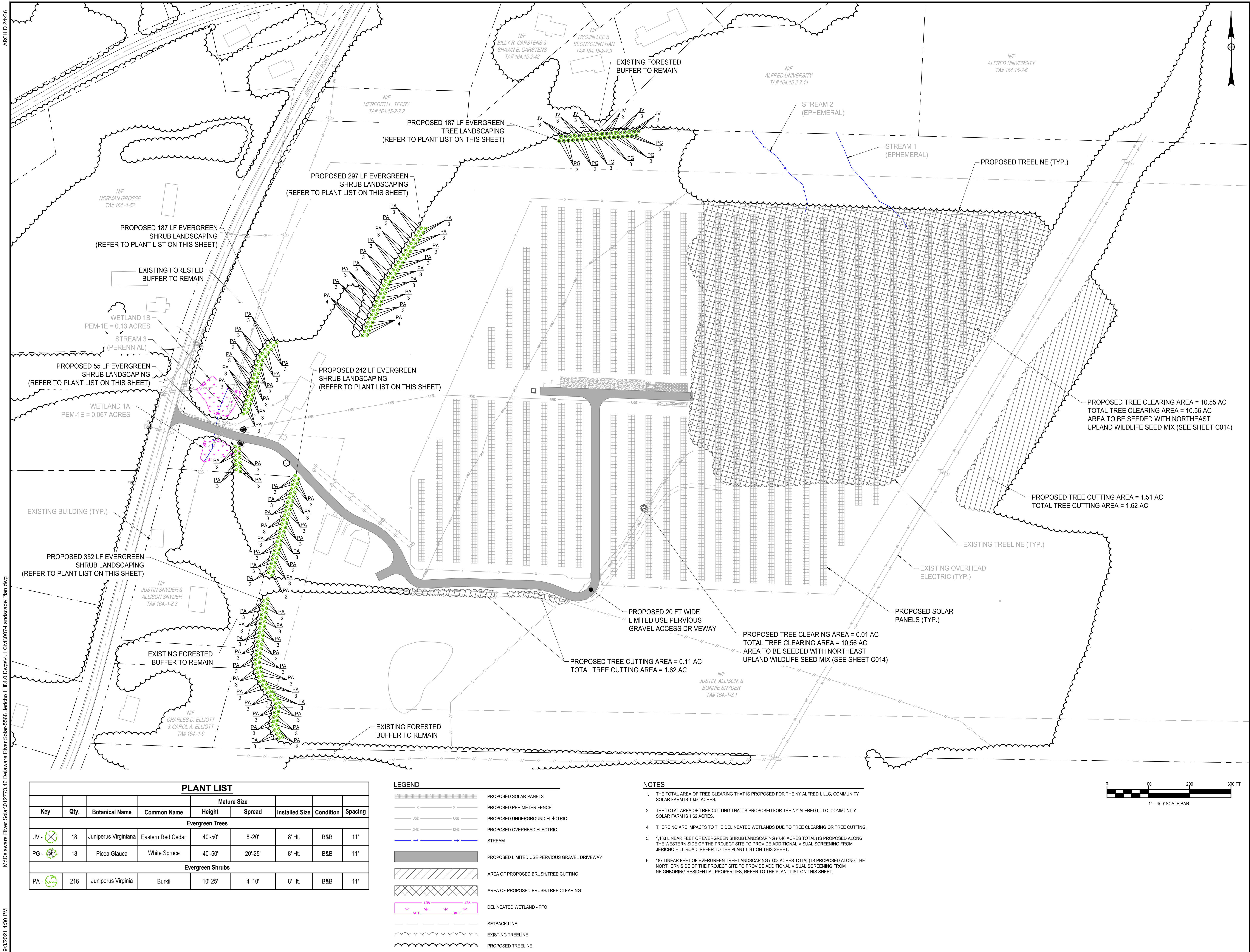
Project Manager	Discipline Lead
DJP	DJP
Designer	Reviewer
JL	ECR
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Sheet Name

**GRADING PLAN
DETAILS**

Drawing Number

C008



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NY ALFRED I, LLC.

COMMUNITY SOLAR FARM PROJECT

5568 JERICO HILL ROAD
ALFRED, NY 14803

Date Revised	Description
07/01/2021	REVISED PER TOWN COMMENTS
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PROPOSED TREE CLEARING AREA = 10.55 AC
TOTAL TREE CLEARING AREA = 10.56 AC
AREA TO BE SEEDDED WITH NORTHEAST
UPLAND WILDLIFE SEED MIX (SEE SHEET C014)

PROPOSED TREE CUTTING AREA = 1.51 AC
TOTAL TREE CUTTING AREA = 1.62 AC

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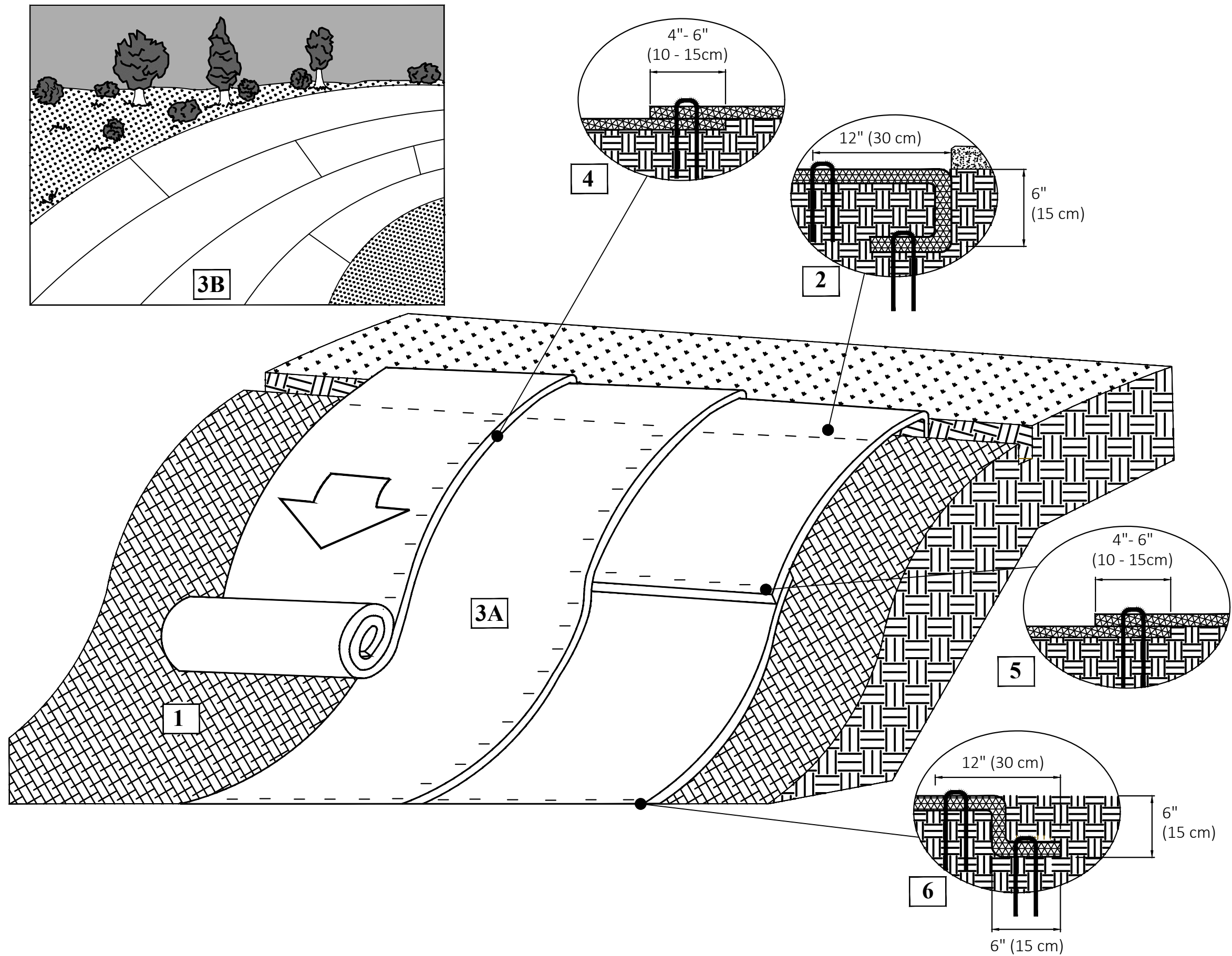
Project Manager	Discipline Lead
DJP	DJP
Designer	Reviewer
JL	ECR
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Sheet Name

LANDSCAPE PLAN

Drawing Number

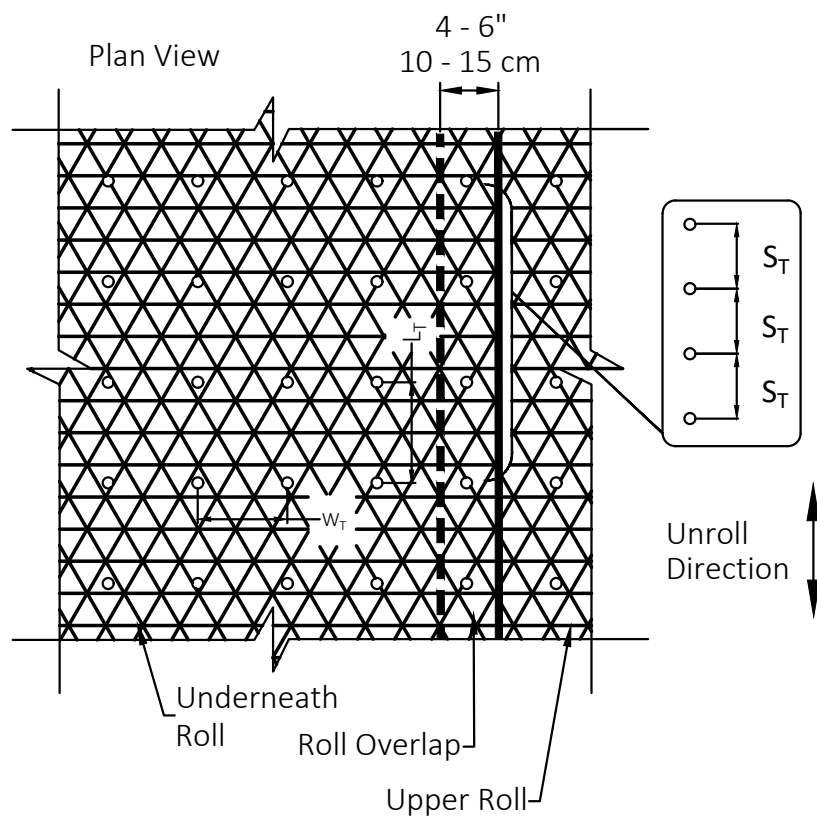
C009



Instructions

1. Prepare soil before installing rolled erosion control products (RECPs), including any necessary application of lime, fertilizer, and seed. Ground surface must be free of debris, rocks, clay clods and raked smooth sufficient to allow intimate contact of the RECP with the soil over the entirety of the installation.
2. Begin at the top of the slope by anchoring the RECPs in a 6" (15 cm) deep X 6" (15 cm) wide trench. Anchor the RECPs with a row of staples/stakes/pins spaced at S_T apart in the bottom of the trench. Backfill and compact the trench after stapling and fold the roll over downslope. Secure RECPs over compacted soil with a row of staples/stakes/pins spaced at S_T apart across the width of the RECPs.
3. Roll the RECPs (A) down or (B) horizontally across the slope. RECPs will unroll with appropriate side against the soil surface. All RECPs must be securely fastened to soil surface by placing staples/stakes/pins in appropriate locations as shown in the staple pattern guide. RollMax RECPs and ECBs should utilize Staple Pattern C, TRMs and VMax materials should utilize Staple Pattern D.
4. The edges of parallel RECPs must be stapled with approximately 4" - 6" (10 - 15 cm) overlap.
5. Consecutive RECPs spliced down the slope must overlapped with the upstream mat atop the downstream mat (shingle style). The overlap should be 4" - 6" (10 - 15 cm).
6. At the terminal end, secure each mat across the width with a row of staples/stakes/pins spaced at S_T . If exposed to flow, foot traffic, wind uplift or other disruption, trench the terminal end in as shown in detail.
7. Fasteners should provide a minimum of twenty pounds of pullout resistance. Six-inch (10 cm) X one-inch (2.5 cm) eleven gauge staples are typically adequate. In loose soils, longer staples may be necessary, twist pins can provide the greatest pullout resistance. In hard or rocky soils, straight pins may be used where staples or twist pins are refused, provided the minimum pullout requirements are met. Bio-degradable fasteners shall not be used with VMax (TRM) or TMax (HPTRM) materials.

Staple Pattern Guide



Pin / Staple / Twist Pin, as appropriate for field conditions

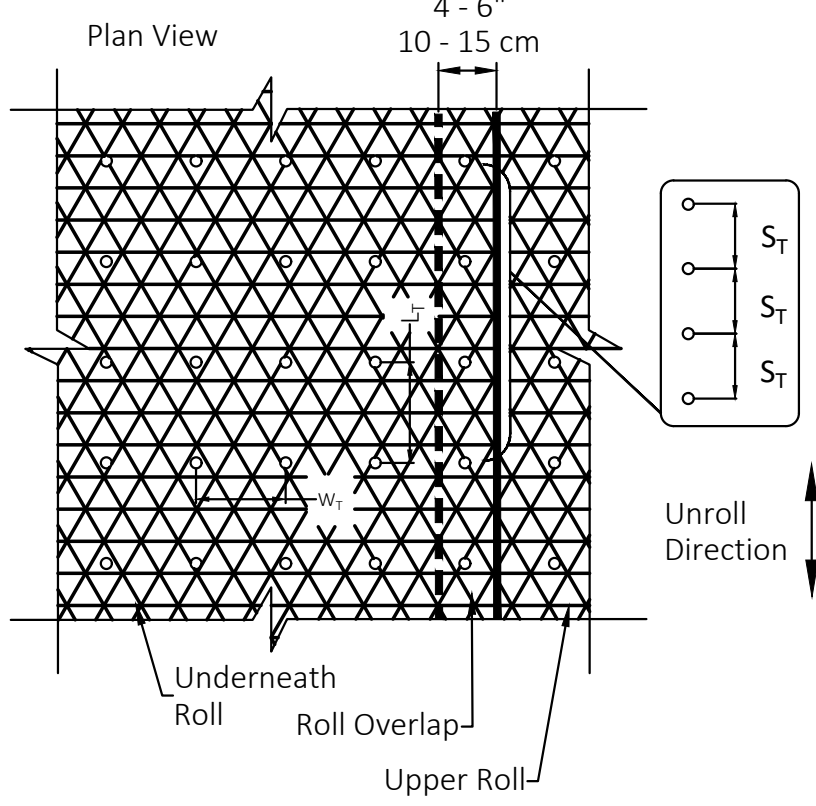
	Staple Pattern	
Dimension	C	D
W_T	30" (75 cm)	24" (60 cm)
L_T	30" (75 cm)	20" (50 cm)
S_T	18" (45 cm)	18" (45 cm)
Nominal Frequency	1.7 / SY	3.0 / SY
Application	ECB (Degradable)	TRM (Permanent)

*Note: Staple Pattern A and B used prior to 8/2019 have been discontinued.

Instructions

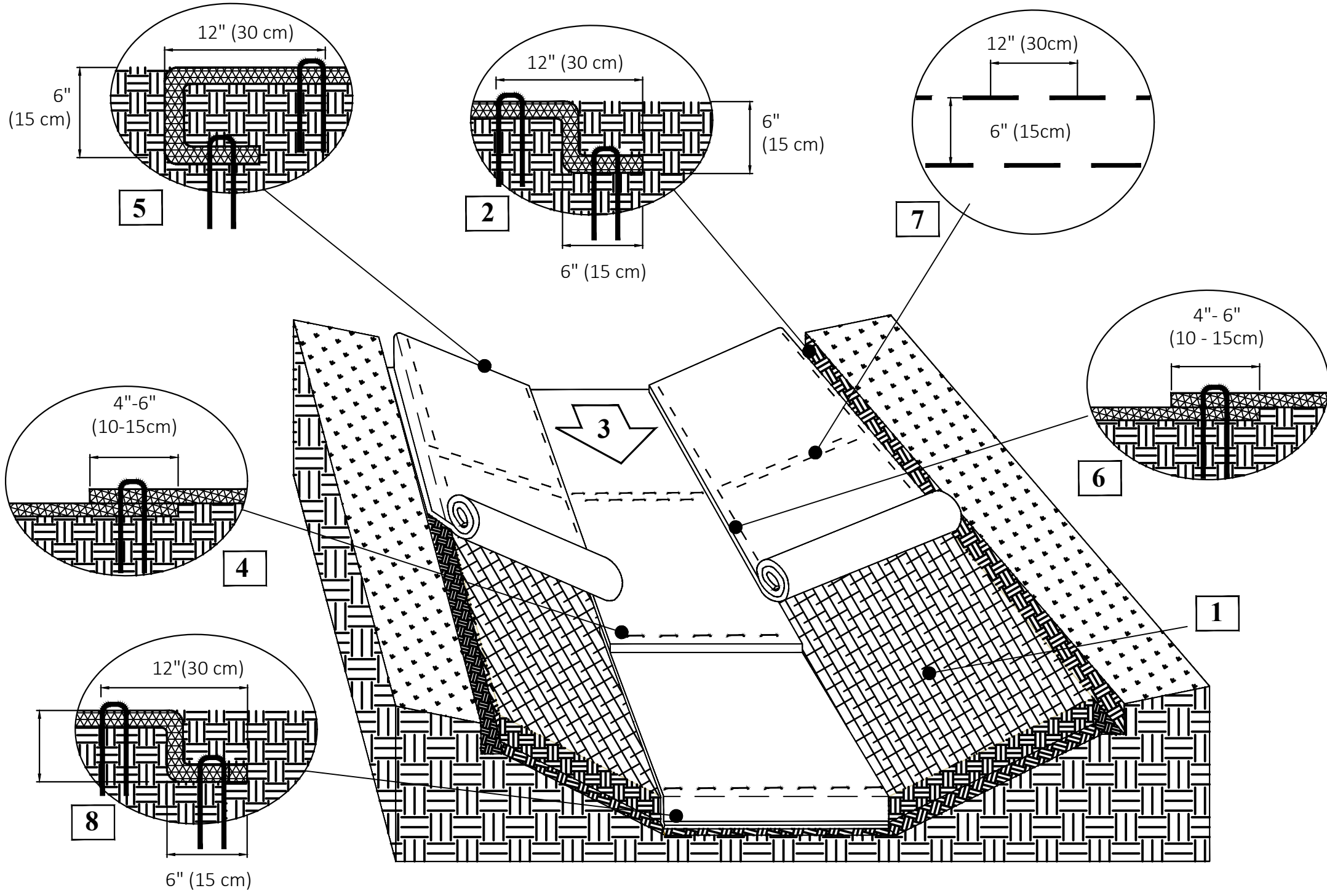
1. Prepare soil before installing rolled erosion control products (RECPs), including any necessary application of lime, fertilizer, and seed. Ground surface must be free of debris, rocks, clay clods and raked smooth sufficient to allow intimate contact of the RECP with the soil over the entirety of the installation.
2. Begin at the top of the channel by anchoring the RECPs in a 6" (15 cm) deep X 6" (15 cm) wide trench with approximately 12" (30 cm) of RECPs extended beyond the up-slope portion of the trench. Use ShoreMax mat at the channel/culvert outlet as supplemental scour protection as needed. Anchor the RECPs with a row of staples/stakes/pins approximately 12" (30 cm) apart in the bottom of the trench. Backfill and compact the trench after stapling. Apply seed to the compacted soil and fold the remaining 12" (30 cm) portion of RECPs back over the seed and compacted soil. Secure RECPs over compacted soil with a row of staples/stakes/pins spaced approximately 12" (30 cm) apart across the width of the RECPs.
3. Roll center RECPs in direction of water flow in bottom of channel. RECPs will unroll with appropriate side against the soil surface. All RECPs must be securely fastened to soil surface by placing staples/stakes/pins in appropriate locations as shown in the staple pattern guide.
4. Place consecutive RECPs end-over-end (Shingle style) with a 4" - 6" (10 - 15 cm) overlap. Use a double row of staples staggered 4" apart and 4" on center to secure RECPs.
5. Full length edge of RECPs at top of side slopes must be anchored with a row of staples/stakes/pins spaced at S_T apart in a 6" (15 cm) deep X 6" (15 cm) wide trench. Backfill and compact the trench after stapling.
6. Adjacent RECPs must be overlapped approximately 4" - 6" (10 - 15 cm) and secured with staples/stakes/pins at S_T .
7. In high flow channel applications a staple check slot is recommended at 30 to 40 foot (9 - 12m) intervals. Use a double row of staples staggered 6" (15 cm) apart and 12" (30 cm) on center over entire width of the channel.
8. The terminal end of the RECPs must be anchored with a row of staples/stakes/pins spaced at S_T apart in a 6" (15 cm) deep X 6" (15 cm) wide trench. Backfill and compact the trench after stapling.
9. Fasteners should provide a minimum of twenty pounds of pullout resistance. Six-inch (10 cm) X one-inch (2.5 cm) eleven gauge staples are typically adequate. In loose soils, longer staples may be necessary, twist pins can provide the greatest pullout resistance. In hard or rocky soils, straight pins may be used where staples or twist pins are refused, provided the minimum pullout requirements are met. Bio-degradable fasteners shall not be used with VMax (TRM) or TMax (HPTRM) materials.

Staple Pattern Guide



Pin / Staple / Twist Pin, as appropriate for field conditions

	Staple Pattern
Dimension	E
W_T	20" (50 cm)
L_T	20" (50 cm)
S_T	18" (45 cm)
Nominal Frequency	3.8 / SY

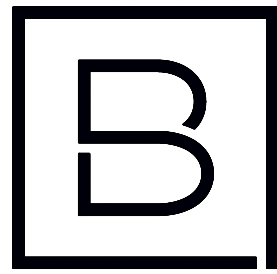


CRITICAL POINTS
A. Overlaps and Seams
B. Projected Water Line
C. Channel Bottom/Side Slope Vertices

NOTES:
*Horizontal staple spacing should be altered if necessary to allow staples to secure the critical points along the channel surface.

EROSION CONTROL BLANKET
STAPLE PATTERN

NO SCALE



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NY ALFRED I, LLC.

**COMMUNITY SOLAR
FARM PROJECT**

5568 JERICHO HILL ROAD
ALFRED, NY 14803

Date Revised	Description
07/01/2021	REVISED PER TOWN COMMENTS
09/03/2021	REVISED PER TOWN COMMENTS

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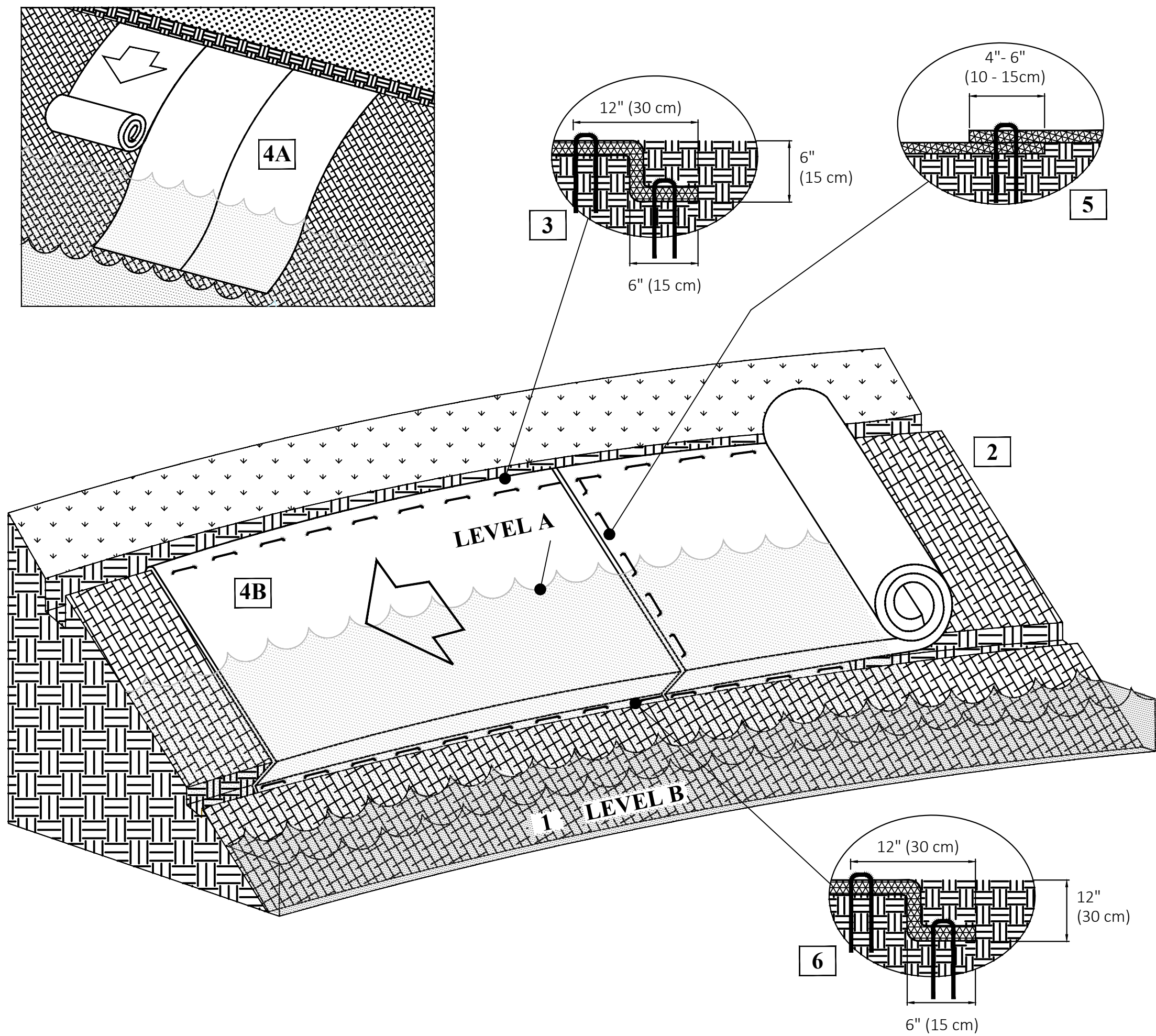
Project Manager	Discipline Lead
DJP	DJP
Designer	Reviewer
JL	ECR
Date Issued	Project Number
05/28/2021	12773.46

Sheet Name

DETAILS I

Drawing Number

C010



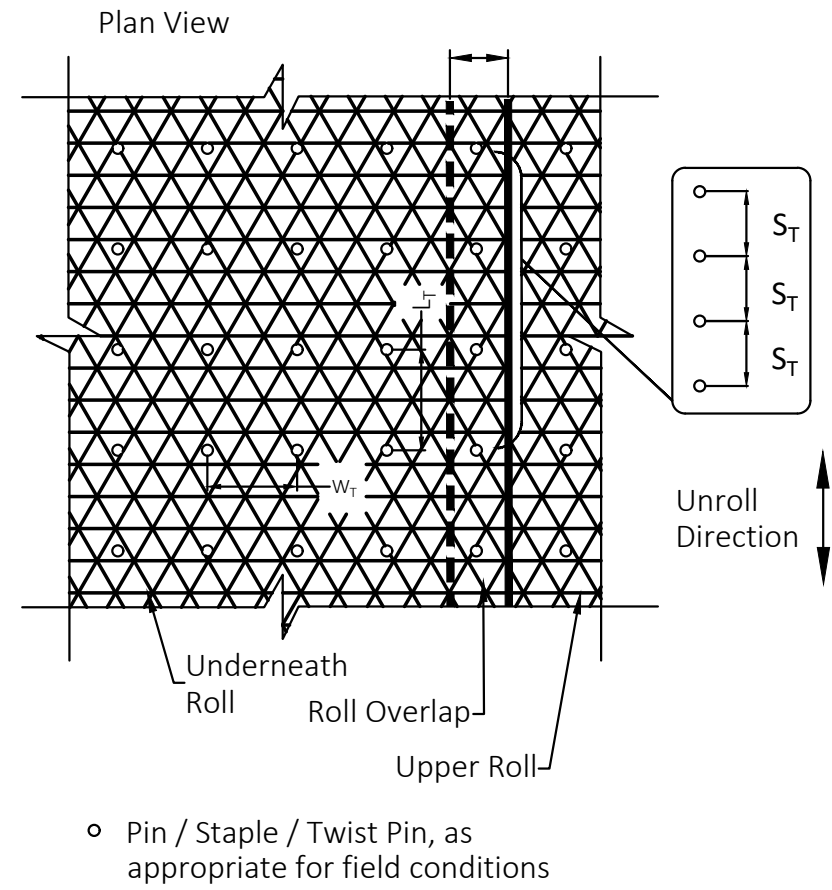
EROSION CONTROL BLANKET
STAPLE PATTERN

NO SCALE

Instructions

1. For easier installation, lower water level from Level A to Level B before installation.
2. Prepare soil before installing rolled erosion control products (RECPs), including any necessary application of lime, fertilizer, and seed. Ground surface must be free of debris, rocks, clay clods and raked smooth sufficient to allow intimate contact of the RECP with the soil over the entirety of the installation.
3. Begin at the top of the shoreline by anchoring the RECPs in a 6" (15 cm) deep X 6" (15 cm) wide trench. Anchor the RECPs with a row of staples/stakes/pins spaced at S_T apart in the bottom of the trench. Backfill and compact the trench after stapling.
4. Roll RECPs either (A) down the shoreline for long banks (top to bottom) or (B) horizontally across the shoreline slope. RECPs will unroll with appropriate side against the soil surface. VMax TRMs should always be installed parallel to flow. All RECPs must be securely fastened to soil surface by placing staples/stakes/pins in appropriate locations as shown in the staple pattern guide.
5. The edges of all horizontal and vertical seams must be stapled with approximately 4" - 6" (10 - 15 cm) overlap. Note: *In streambank applications, seam overlaps should be shingled in the predominant flow direction.
6. The edges of the RECPs at or below normal water level must be anchored by placing the RECP's in a 12" (30 cm) deep X 6" (15 cm) wide anchor trench. Anchor the RECPs with a row of staples/stakes/pins spaced approximately 12"(30cm) apart in the trench. Backfill and compact the trench after stapling (stone or soil may be used as backfill). For installation at or below normal water level, use of ShoreMax mat on top of the RECP or geotextile underneath is likely required for sections below the normal water line.
7. Fasteners should provide a minimum of twenty pounds of pullout resistance. Six-inch (10 cm) X one-inch (2.5 cm) eleven gauge staples are typically adequate. In loose soils, longer staples may be necessary, twist pins can provide the greatest pullout resistance. In hard or rocky soils, straight pins may be used where staples or twist pins are refused, provided the minimum pullout requirements are met. Bio-degradable fasteners shall not be used with VMax (TRM) or TMax (HPTRM) materials.

Staple Pattern
Guide



Staple Pattern	
Dimension	E
W_T	20" (50 cm)
L_T	20" (50 cm)
S_T	18" (45 cm)
Nominal Frequency	3.8 / SY

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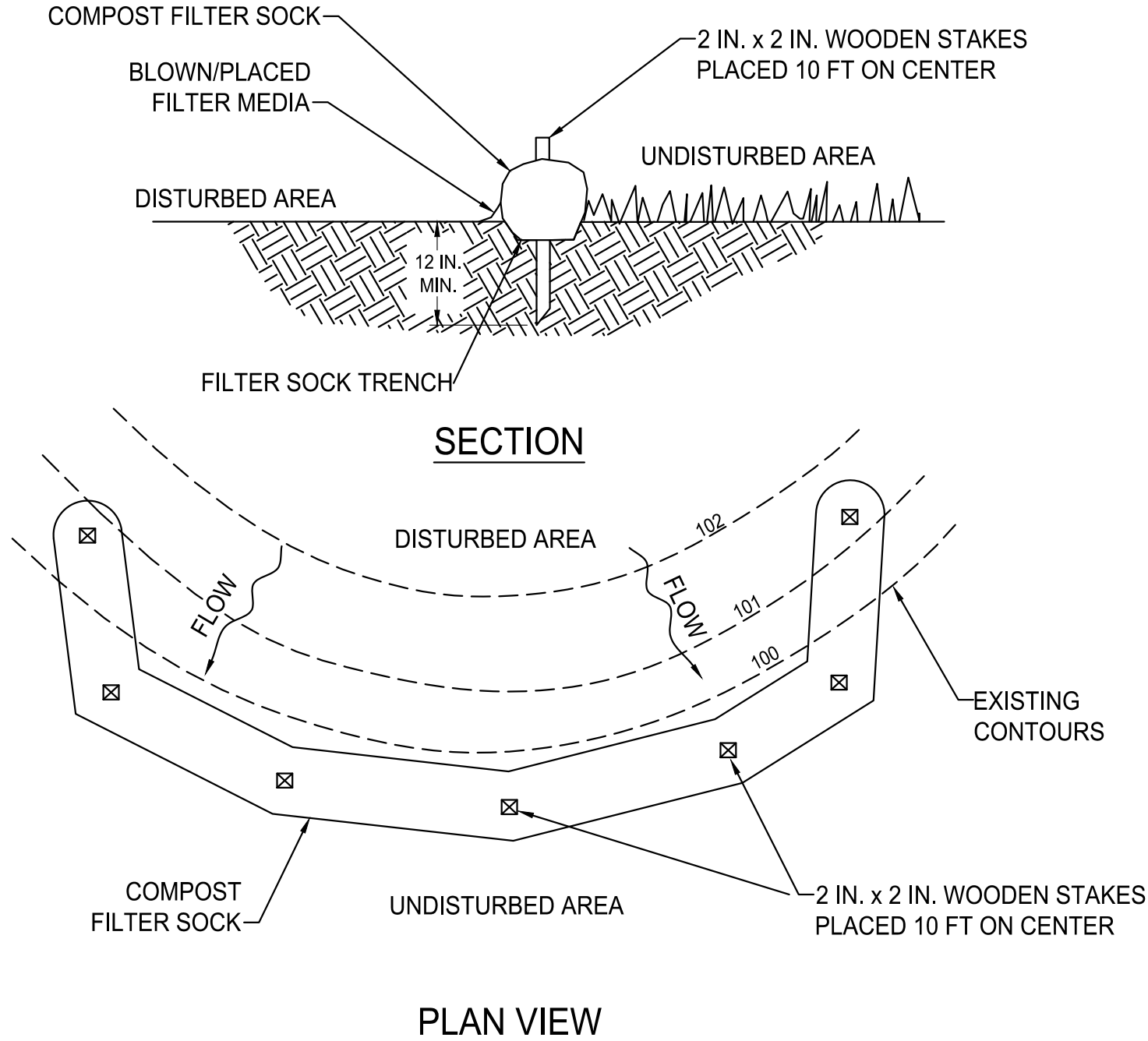
Project Manager DJP	Discipline Lead DJP
Designer JL	Reviewer ECR
Date Issued 05/28/2021	Project Number 12773.46

Sheet Name

DETAILS II

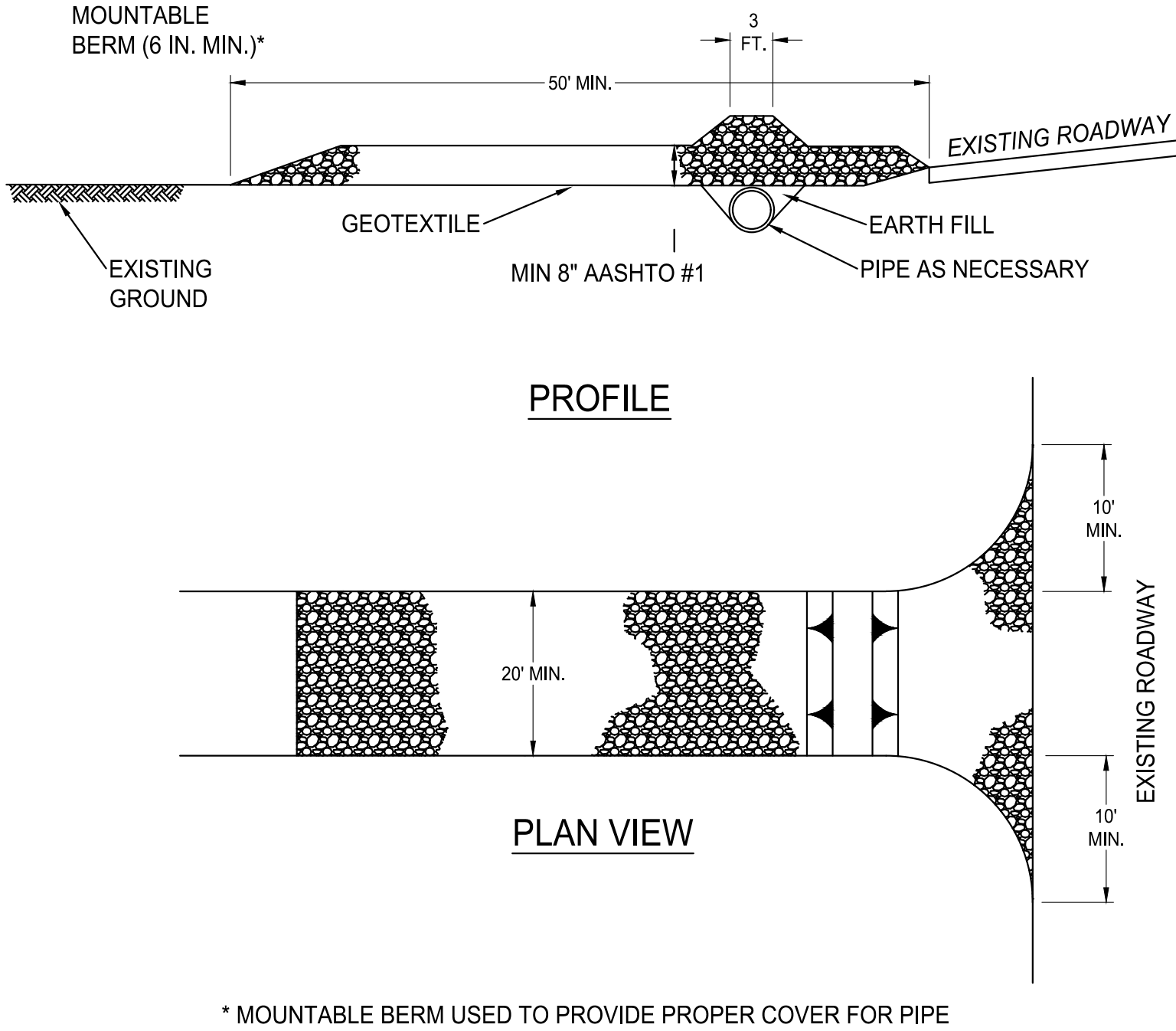
Drawing Number

C011



- NOTES:**
1. SOCK FABRIC AND COMPOST SHALL MEET ALL STATE STANDARDS.
 2. COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE BARRIER SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY BARRIER SHALL NOT EXCEED THAT SPECIFIED FOR THE SIZE OF THE SOCK AND THE SLOPE OF ITS TRIBUTARY AREA.
 3. TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS.
 4. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE BARRIER AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.
 5. COMPOST FILTER SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.
 6. BIODEGRADABLE COMPOST FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
 7. UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

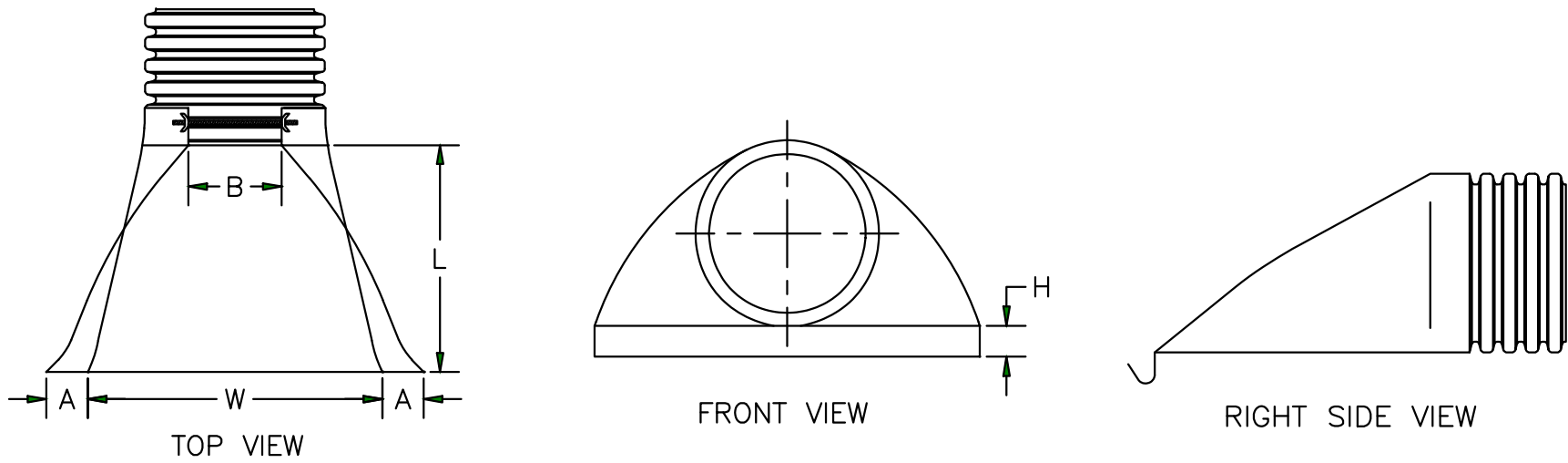
18" COMPOST FILTER SOCK
NO SCALE



- NOTES:**
1. REMOVE TOPSOIL PRIOR TO INSTALLATION OF ROCK CONSTRUCTION ENTRANCE. EXTEND ROCK OVER FULL WIDTH OF ENTRANCE.
 2. RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE.
 3. MOUNTABLE BERM SHALL BE INSTALLED WHEREVER OPTIONAL CULVERT PIPE IS USED AND PROPER PIPE COVER AS SPECIFIED BY MANUFACTURER IS NOT OTHERWISE PROVIDED. PIPE SHALL BE SIZED APPROPRIATELY FOR SIZE OF DITCH BEING CROSSED.
 4. MAINTENANCE: ROCK 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 ROADWAY, EXTEND LENGTH OF ROCK CONSTRUCTION ENTRANCE BY 50 FOOT INCREMENTS UNTIL CONDITION IS ALLEVIATED OR INSTALL WASH RACK. WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAINAGE COURSES IS NOT ACCEPTABLE.

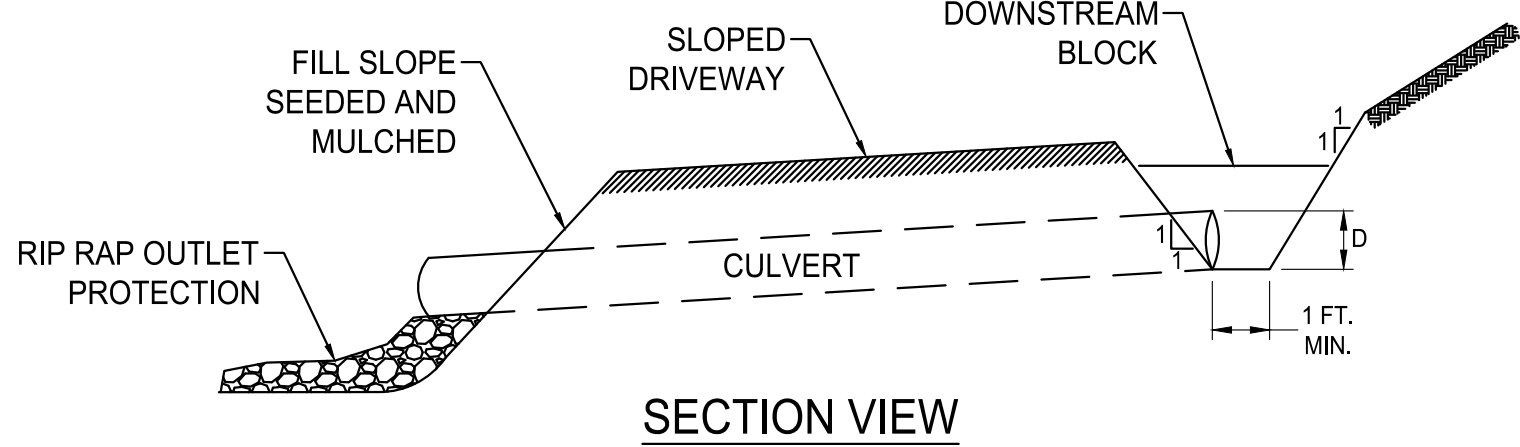
STABILIZED CONSTRUCTION ENTRANCE
NO SCALE

PIPE DIAMETER, in (mm)						
Diameter in (mm)	12 (300)	15 (375)	18 (450)	24 (600)	30 (750)	36 (900)
A	6.5	6.5	7.5	7.5	7.5	7.5
in (mm)	(165)	(165)	(191)	(191)	(191)	(191)
B (max)	10.0	10.0	15.0	18.0	22.0	25.0
in (mm)	(254)	(254)	(381)	(475)	(559)	(635)
H	6.5	6.5	6.5	6.5	8.6	8.6
in (mm)	(165)	(165)	(165)	(165)	(218)	(218)
L	25.0	25.0	32.0	36.0	58.0	58.0
in (mm)	(635)	(635)	(813)	(914)	(1473)	(1473)
W	29.0	29.0	35.0	45.0	63.0	63.0
in (mm)	(737)	(737)	(889)	(1143)	(1600)	(1600)

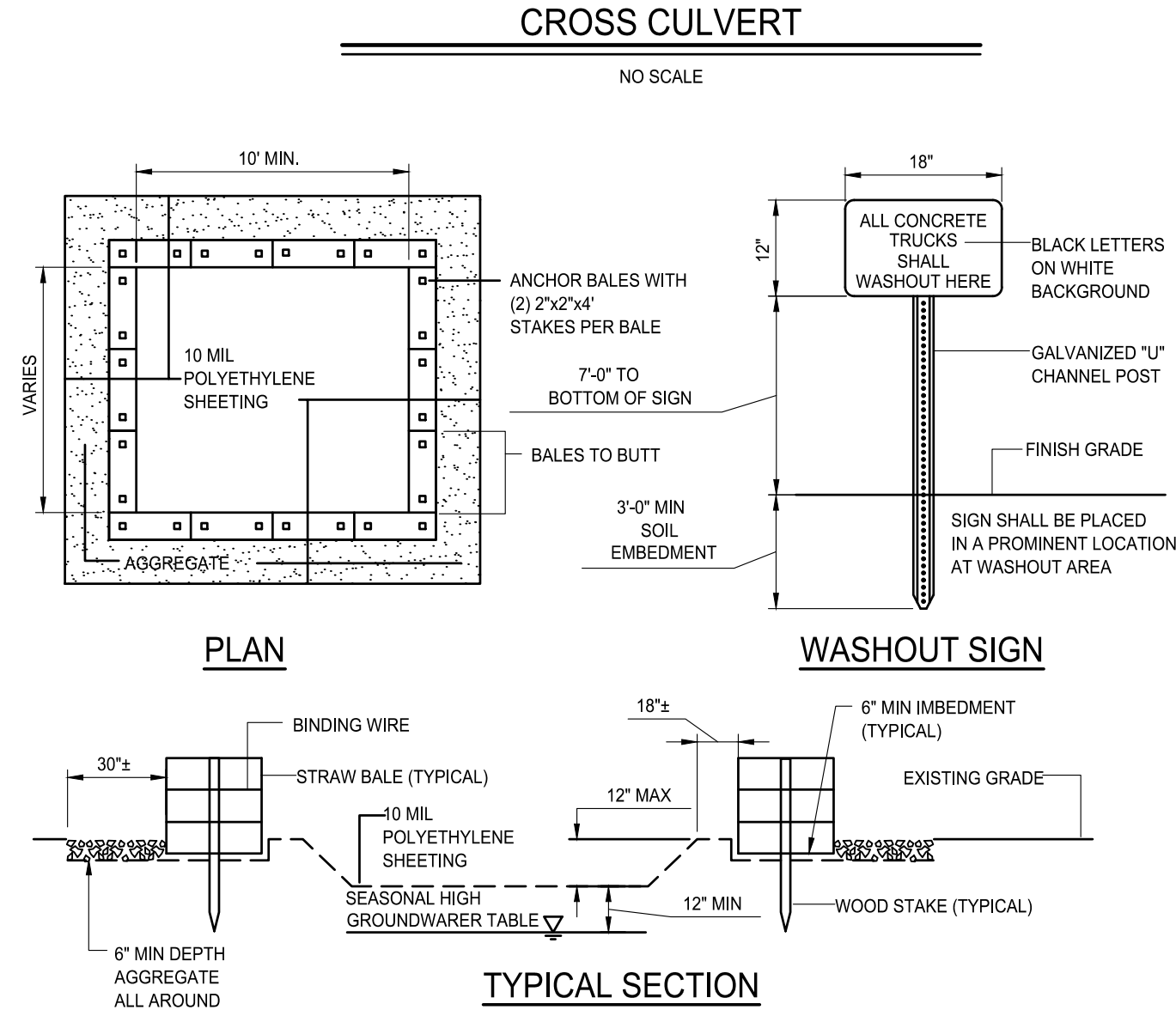


- NOTES:**
1. PRODUCT SHOWN FROM ADS, INC. OF HDPE MEETING ASTM D3350 MINIMUM CELL CLASSIFICATION 213320C
 2. AN ALTERNATIVE SUPPLIER CAN BE USED AS LONG AS MINIMUM SPECIFICATIONS ABOVE ARE MET
 3. WHEN PROVIDED, METAL THREADED FASTENING ROD SHALL BE STAINLESS STEEL
 4. INVERT OF THE PIPE AND THE END SECTION SHALL BE AT THE SAME ELEVATION

TYPICAL FLARED END SECTION SPECIFICATION
NO SCALE

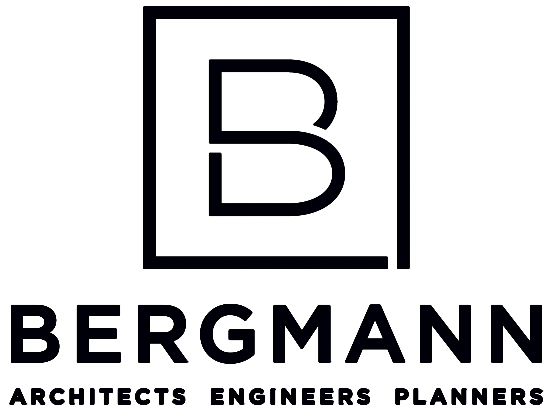


- NOTES:**
1. CUT AND FILL SLOPES SHALL BE STABILIZED IMMEDIATELY UPON COMPLETION OF DRIVEWAY GRADING. THESE AREAS SHALL BE BLANKETED WHEREVER THEY ARE LOCATED WITHIN 50 FEET OF A SURFACE WATER OR WITHIN 100 FEET OF AN HIGH QUALITY OR EXCEPTIONAL VALUE SURFACE WATER OR WHERE A SUITABLE VEGETATIVE FILTER STRIP DOES NOT EXIST.
 2. A TOP DRESSING COMPOSED OF HARD, DURABLE STONE SHALL BE PROVIDED FOR SOILS HAVING LOW STRENGTH.
 3. DRIVEWAY DITCHES SHALL BE PROVIDED WITH ADEQUATE PROTECTIVE LINING WHEREVER RUNOFF CANNOT SHEET FLOW AWAY FROM THE DRIVEWAY.
 4. DRIVEWAY SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED DRIVEWAYS, DITCHES, OR CROSS DRAINS SHALL BE REPAIRED IMMEDIATELY.



- NOTES:**
1. CONTAINMENT MUST BE STRUCTURALLY SOUND AND LEAK FREE AND CONTAIN ALL LIQUID WASTES.
 2. CONTAINMENT DEVICES MUST BE OF SUFFICIENT QUANTITY OR VOLUME TO COMPLETELY CONTAIN THE LIQUID WASTES GENERATED.
 3. WASHOUT MUST BE CLEANED OR NEW FACILITIES CONSTRUCTED AND READY TO USE ONCE WASHOUT IS 75% FULL.
 4. WASHOUT AREA(S) SHALL BE INSTALLED IN A LOCATION EASILY ACCESSIBLE BY CONCRETE TRUCKS.
 5. ONE OR MORE AREAS MAY BE INSTALLED ON THE CONSTRUCTION SITE AND MAY BE RELOCATED AS CONSTRUCTION PROGRESSES.
 6. AT LEAST WEEKLY REMOVE ACCUMULATION OF SAND AND AGGREGATE AND DISPOSE OF PROPERLY.

CONCRETE WASHOUT AREA
NOT TO SCALE



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www.bergmannnpc.com
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NY ALFRED I, LLC.

COMMUNITY SOLAR FARM PROJECT

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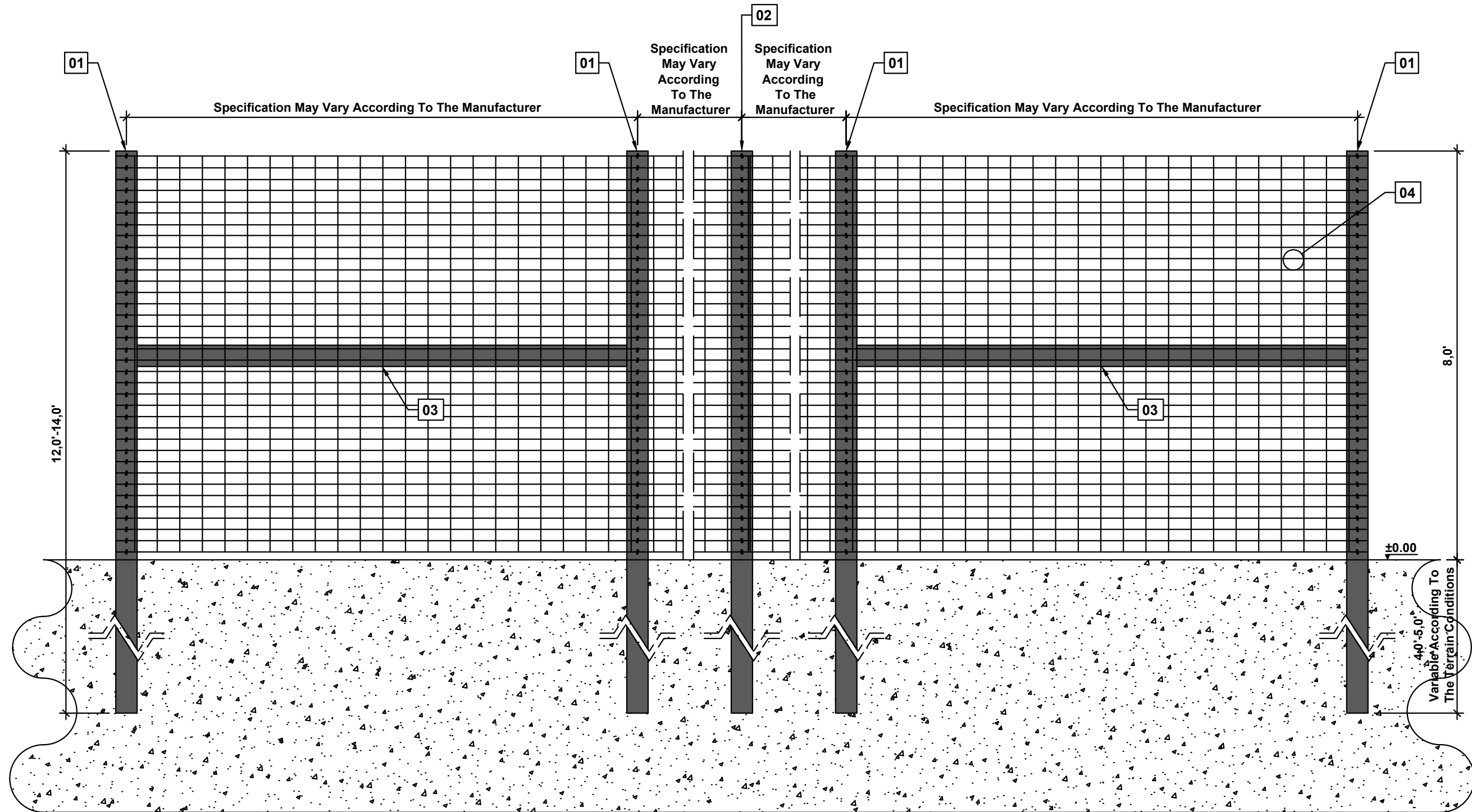
Project Manager	Discipline Lead
DJP	DJP
Designer	Reviewer
JL	ECR
Date Issued	Project Number
05/28/2021	12773.46

Sheet Name

DETAILS III

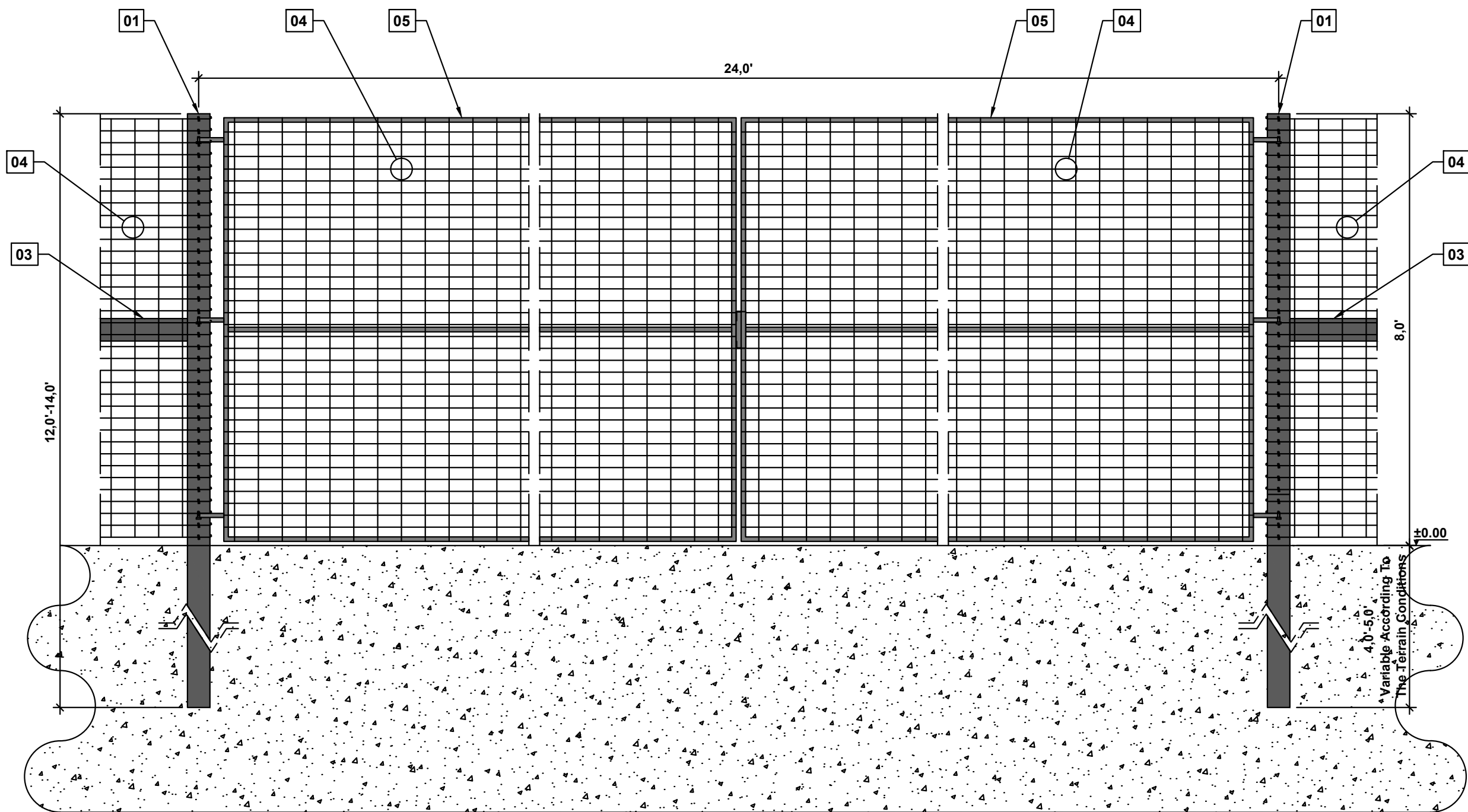
Drawing Number

C012



FRONT VIEW

- 01 CORNER POST 5'-6"Ø or 6"-7"Ø WITH BRACING FOR STABILITY
- 02 LINE POST 5'-6"Ø or 6"-7"Ø
- 03 BRACING CORNER POST 5'-6"Ø or 6"-7"Ø
- 04 FIXED-KNOT WOVEN WIRE
- 05 ACCESS GATE
- 06 2" x 2" WOOD STAKES
- 07 FIBER ROLL 9" Ø

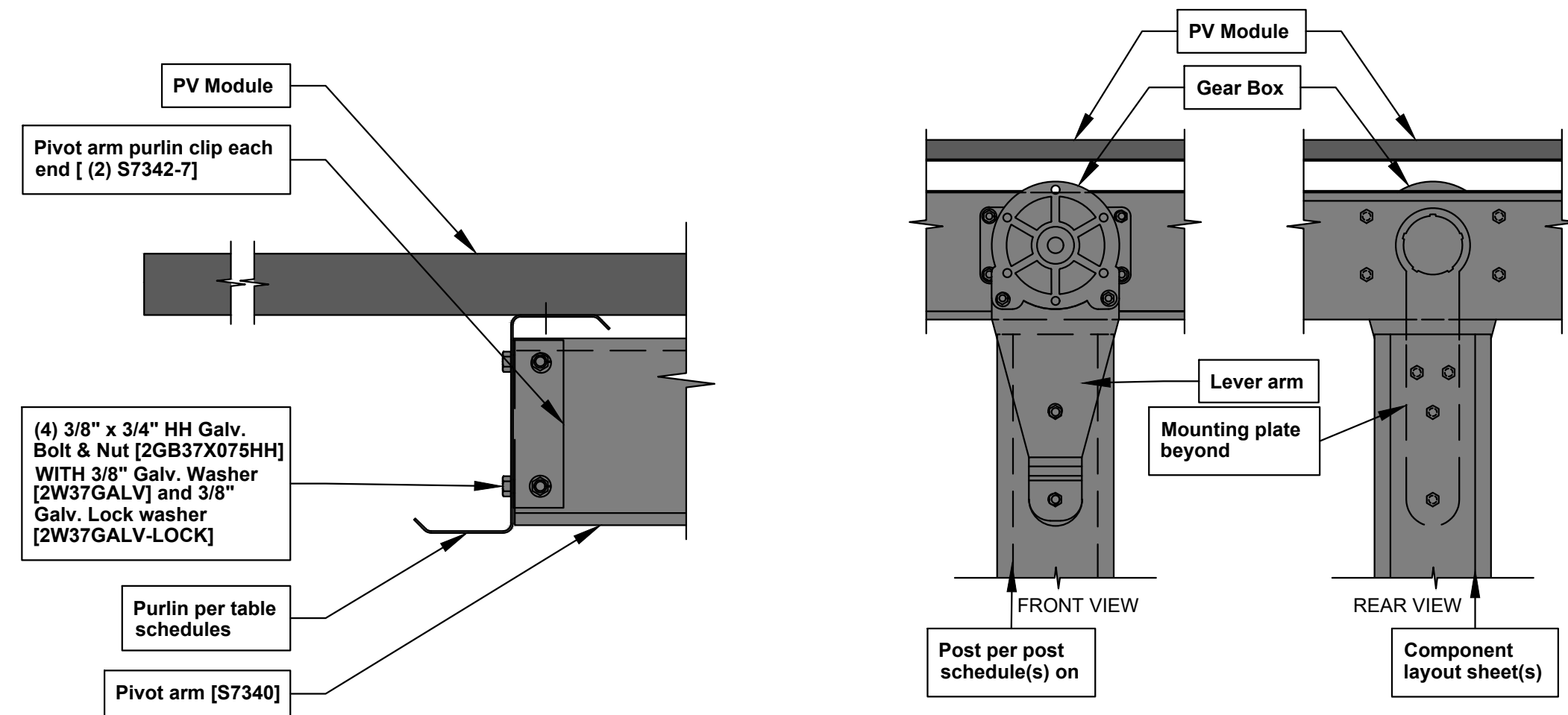
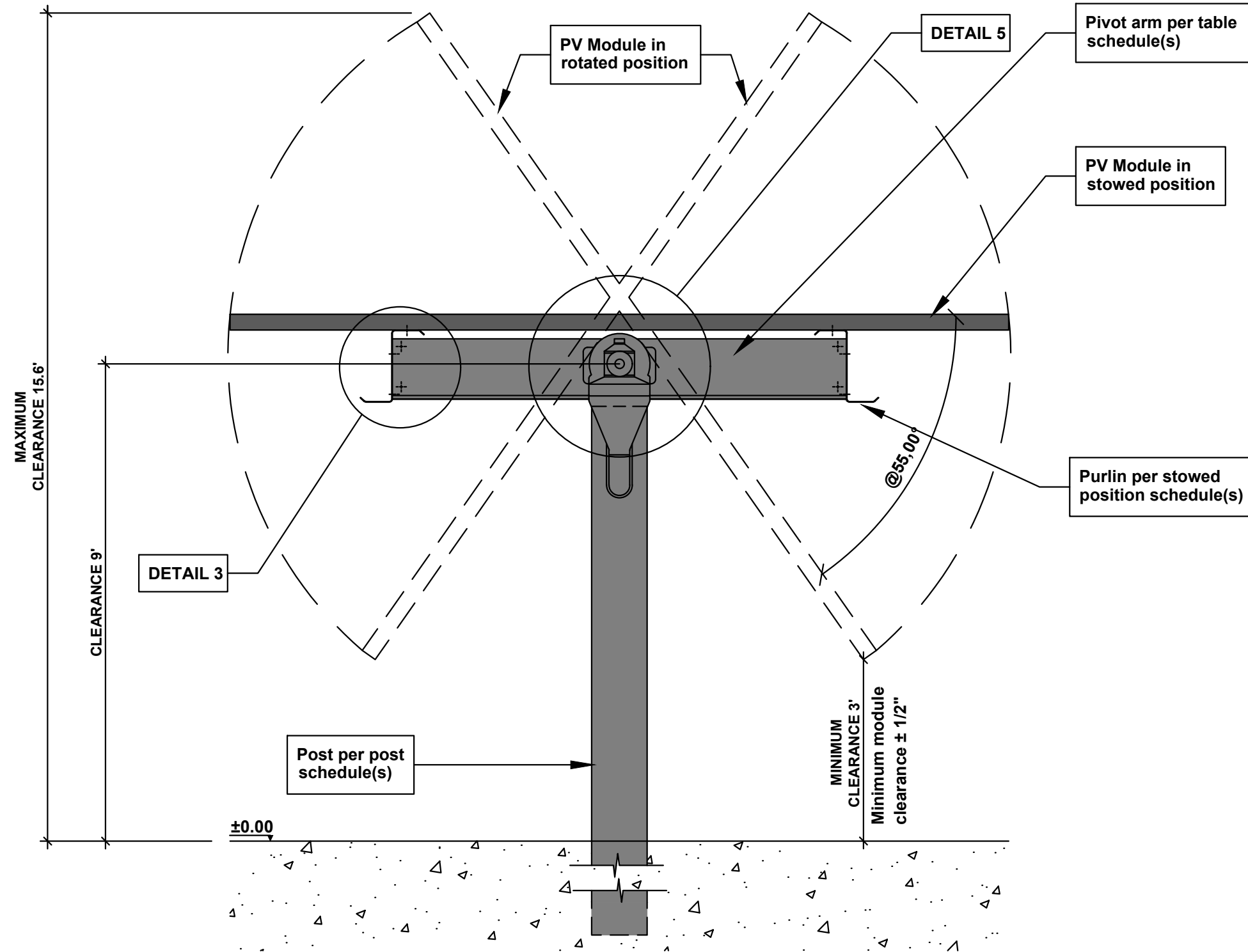


FRONT VIEW

- 01 CORNER POST 5'-6"Ø or 6"-7"Ø WITH BRACING FOR STABILITY
- 02 LINE POST 5'-6"Ø or 6"-7"Ø
- 03 BRACING CORNER POST 5'-6"Ø or 6"-7"Ø
- 04 FIXED-KNOT WOVEN WIRE
- 05 ACCESS GATE
- 06 2" x 2" WOOD STAKES
- 07 FIBER ROLL 9" Ø

PERIMETER FENCE DETAIL

NO SCALE

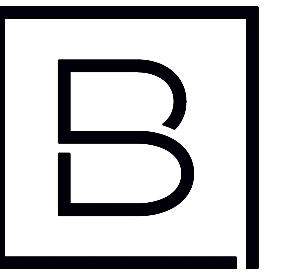


DETAIL 3

DETAIL 5

TRACKER SOLAR ARRAY DETAIL

NO SCALE



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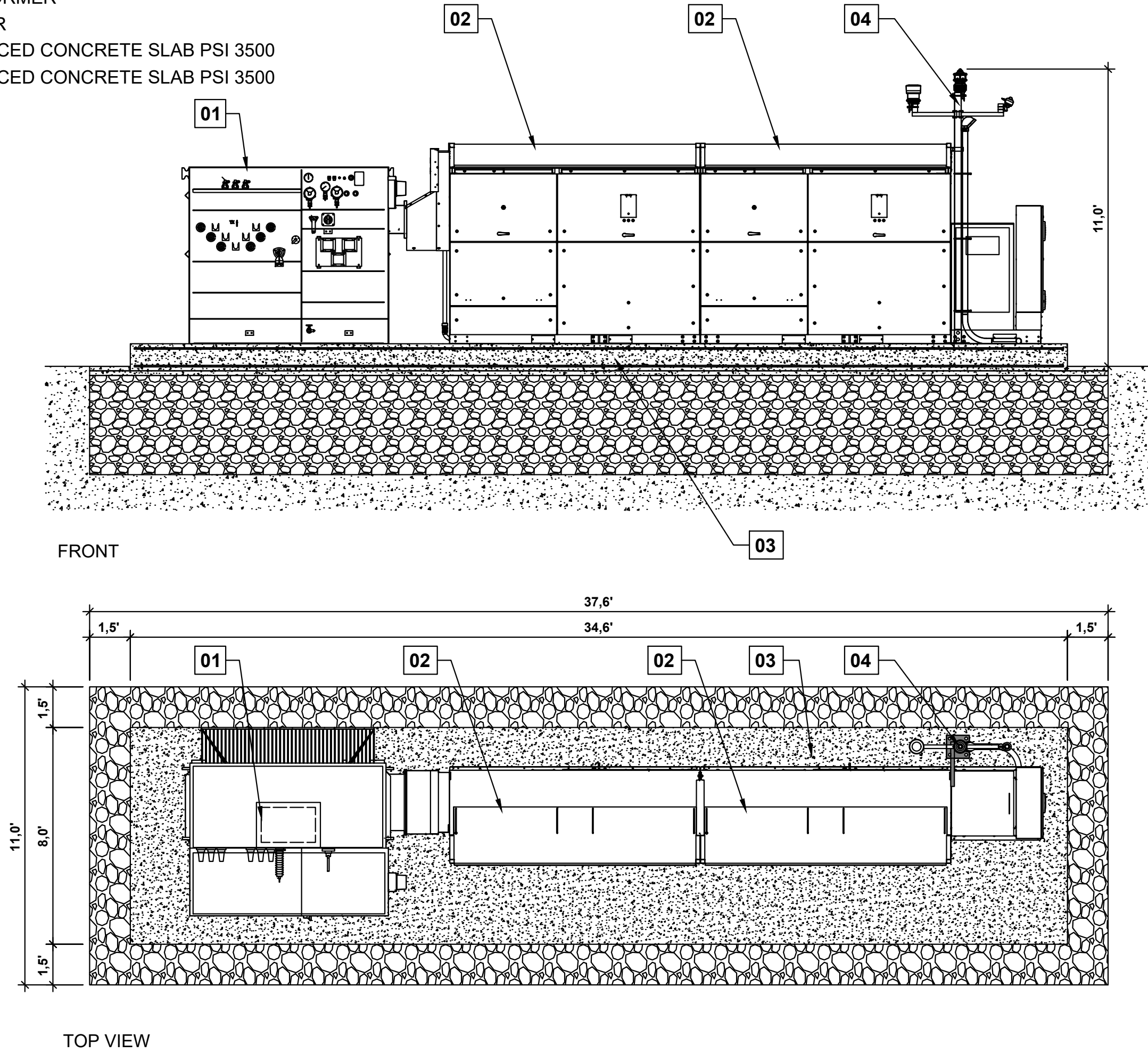
DETAILS IV

Drawing Number

C013

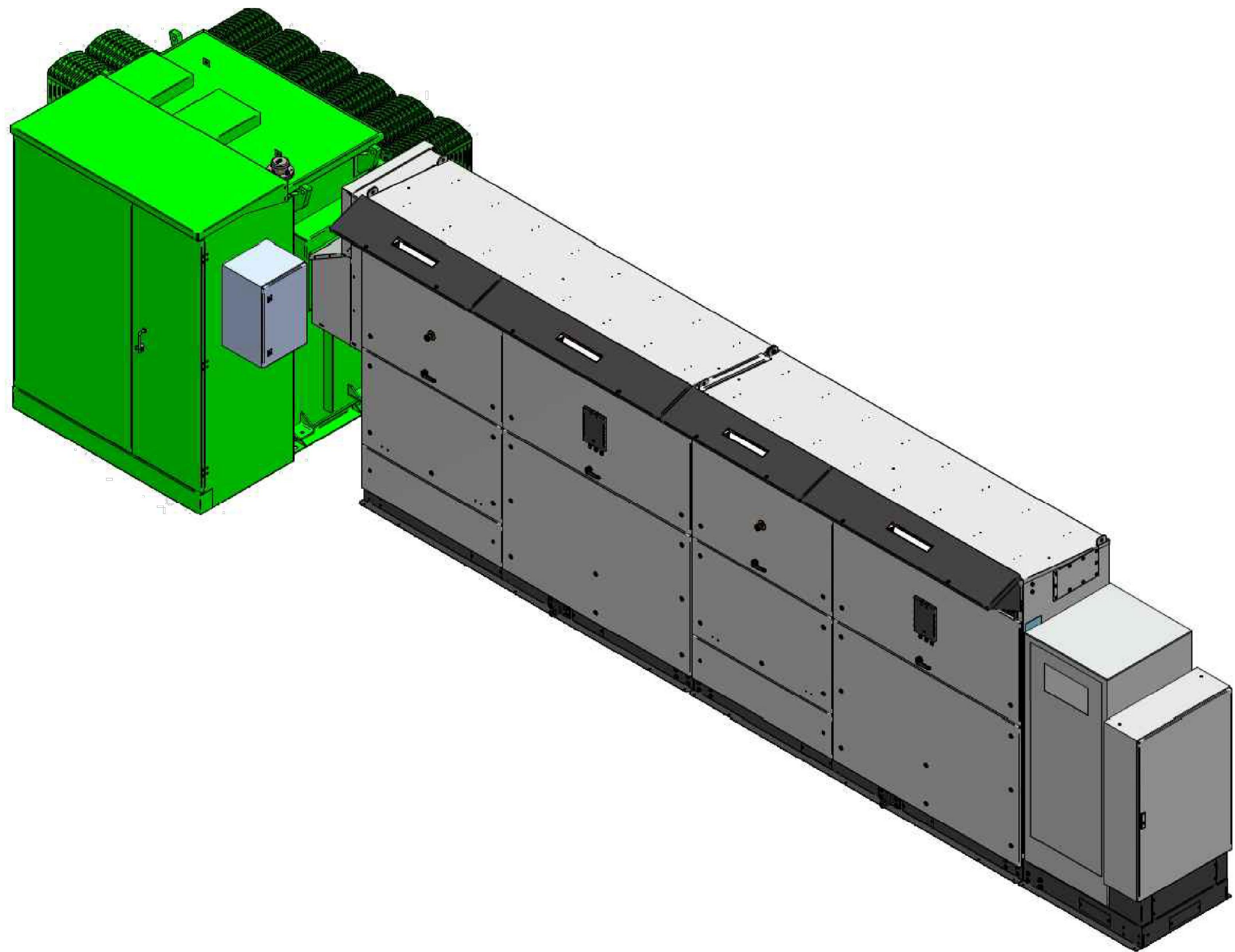
DETAIL 1 scale 1":8' - PAD DISTRIBUTION

- 01 TRANSFORMER
- 02 INVERTER
- 03 REINFORCED CONCRETE SLAB PSI 3500
- 04 REINFORCED CONCRETE SLAB PSI 3500

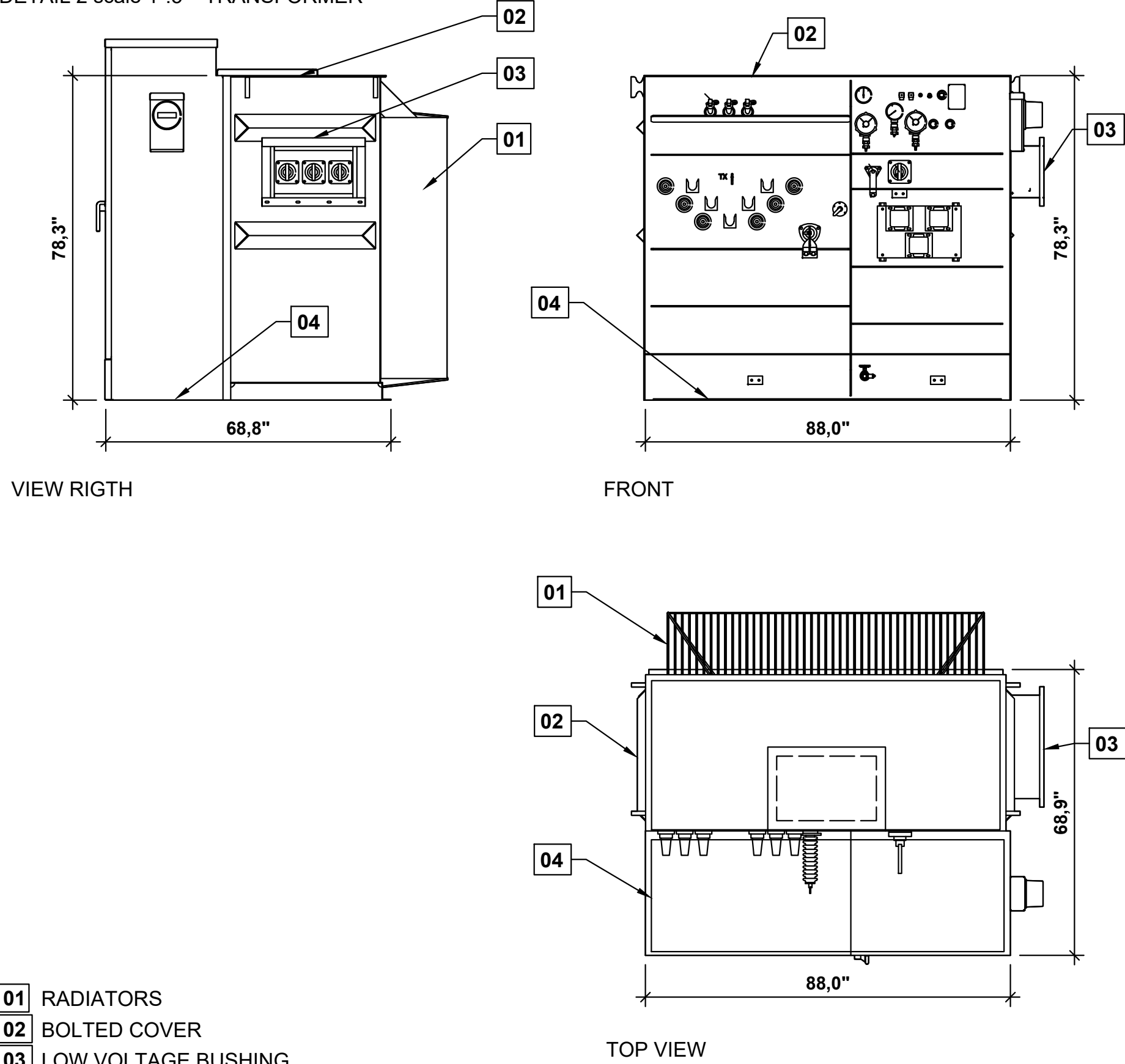


PAD DISTRIBUTION DETAIL

NO SCALE



DETAIL 2 scale 1":5' - TRANSFORMER

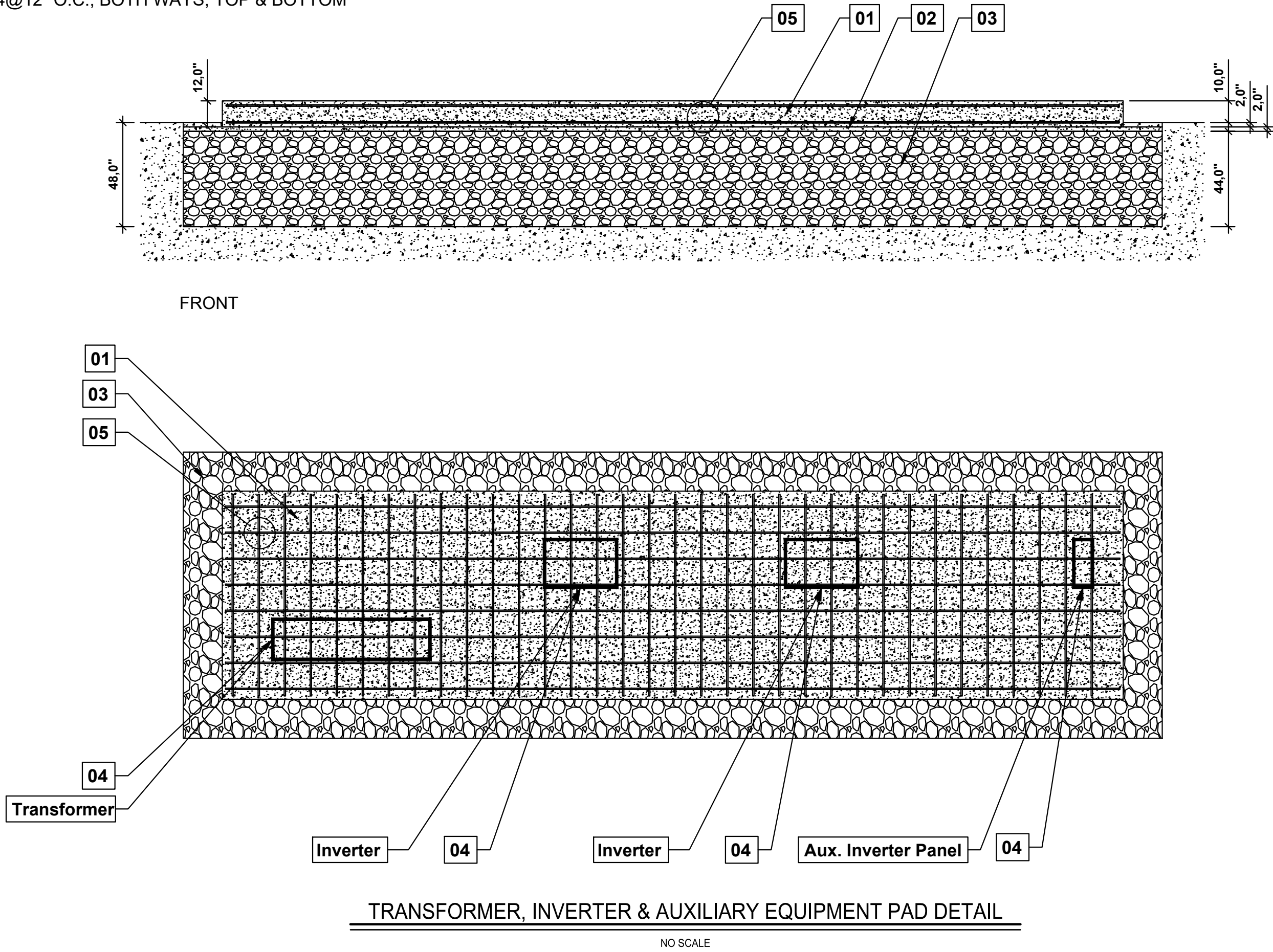


TRANSFORMER DETAIL

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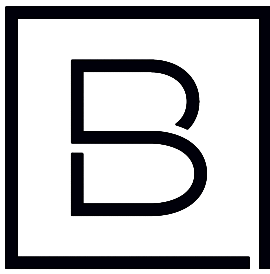
DETAIL 3 scale 1":8' TRANSFORMER, INVERTER & AUXILIARY EQUIPMENT PAD

- 01 REINFORCED CONCRETE SLAB PSI 3500
- 02 BLINDING CONCRETE
- 03 COMPACTED GRADED AGGREGATES 3" Ø
- 04 ESTIMATED LOCATION FOR CONDUITS
- 05 REBAR #4@12" O.C., BOTH WAYS, TOP & BOTTOM



TRANSFORMER, INVERTER & AUXILIARY EQUIPMENT PAD DETAIL

NO SCALE



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Designer	Reviewer
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Sheet Name

DETAILS V

Drawing Number

C014

ARCH D 2436

McDelaware River Solar\012773 46 Delaware River Solar-5568 Jericho Hill\4.0 Dwg\4.1 Civil\008-Details.dwg

9/2/2021 4:31 PM

Upland Seed Mix		
Low-Growing Wildflower & Grass Mix - ERNMX #156		
Seeding Rate: 20 lb per acre with a cover crop of grain rye at 30 lb per acre		
SCIENTIFIC NAME	COMMON NAME	% OF MIX
Festuca ovina	Sheep Fescue, Variety Not Stated	63.60%
Lolium multiflorum (L. perenne var. italicum)	Annual Ryegrass	17%
Linum perenne ssp. lewisii	Perennial Blue Flax	8%
Rudbeckia hirta	Blackeyed Susan, Coastal Plain NC Ecotype	2%
Coreopsis lanceolata	Lanceleaf Coreopsis, Coastal Plain NC Ecotype	2%
Chrysanthemum leucanthemum	Oxeye Daisy	2%
Chrysanthemum maximum	Shasta Daisy	1%
Chamaecrista fasciculata (Cassia f.)	Partridge Pea, PA Ecotype	1%
Papaver rhoeas, Shirley Mix	Corn Poppy/Shirley Mix	1%
Achillea millefolium	Common Yarrow	0.5%
Aster oblongifolius (Symphyotrichum oblongifolium)	Aromatic Aster, PA Ecotype	0.5%
Eupatorium coelestinum (Conoclinium c.)	Mistflower, VA Ecotype	0.5%
Monarda punctata, Coastal Plain SC Ecotype	Spotted Beebalm, Coastal Plain SC Ecotype	0.5%
Asclepias tuberosa	Butterfly Milkweed	0.3%
Pycnanthemum tenuifolium	Slender Mountainmint	0.1%
Company Information		
Ernst Conservation Seeds, Inc.		
Address: 8884 Mercer Pike, Meadville, PA 16335		
Phone: (800) 873-3321		
Web: http://www.ernstseed.com		

*OR APPROVED EQUIVALENT

NOTES:

- WHEN FINAL GRADE IS ACHIEVED DURING NON-GERMINATING MONTHS, THE AREA SHOULD BE TEMPORARILY STABILIZED UNTIL THE BEGINNING OF THE NEXT PLANTING SEASON.
- MULCHES SHOULD BE APPLIED AT THE RATES SHOWN IN THE MULCH APPLICATION RATES TABLE. VERY LITTLE BARE GROUND SHOULD BE VISIBLE THROUGH THE MULCH.
- STRAW AND HAY MULCH SHOULD BE ANCHORED OR TACKIFIED IMMEDIATELY AFTER APPLICATION TO PREVENT BEING WINDBLOWN.
- TOPSOIL SHOULD BE UNIFORMLY DISTRIBUTED ACROSS THE DISTURBED AREA TO A DEPTH OF 4 INCHES MINIMUM. SPREADING SHOULD BE DONE IN SUCH A MANNER THAT SEEDING CAN PROCEED WITH A MINIMUM OF ADDITIONAL PREPARATION OR TILLAGE.
- TOPSOIL SHOULD NOT BE PLACED WHILE THE TOPSOIL OF SUBSOIL IS IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBSOIL IS EXCESSIVELY WET, OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING AND SEEDBED PREPARATION.
- WHEN USED AS A MULCH REPLACEMENT, THE APPLICATION RATE (THICKNESS) OF THE COMPOST SHOULD BE 1/2" TO 3/4". COMPOST SHOULD BE PLACED EVENLY AND SHOULD PROVIDE 100% SOIL COVERAGE. NO SOIL SHOULD BE VISIBLE. BLANKETING SHALL BE USED ON ALL SLOPES 3H:1V OR STEEPER OR AS NOTED ON THE PLANS.
- PERMANENT STABILIZATION SHALL BE INSTALLED IMMEDIATELY UPON COMPLETION OF EARTH DISTURBANCE.
- WETLAND SEED MIX SHOULD BE INSTALLED ONLY IN DRY SWALE.

SOIL AMENDMENT APPLICATION RATE EQUIVALENTS					
SOIL AMENDMENT		PER ACRE	PER 1,000 SQ. FT.	PER 1,000 SQ. YD.	NOTES
TEMPORARY/PERMANENT SEEDING	AGRICULTURAL LIME	6 TONS	240 LB.	2,480 LB.	OR AS PER SOIL TEST: MAY NOT BE REQUIRED IN AGRICULTURAL FIELDS
	10-10-20 FERTILIZER	1,000 L.B.	25 LB.	210 LB.	
	AGRICULTURAL LIME	1 TON	40 LB.	410 LB.	TYPICALLY NOT REQUIRED FOR TOPSOIL STOCKPILES
	10-10-20 FERTILIZER	500 LB.	12.5 LB.	100 LB.	
COMPOST STANDARDS					
ORGANIC MATTER CONTENT			80% - 100% (DRY WEIGHT BASIS)		
ORGANIC PORTION			FIBROUS AND ELONGATED		
pH			5.5 - 8.0		
MOISTURE CONTENT			35% - 55%		
PARTICLE SIZE			98% PASS THROUGH 1" SCREEN		
SOLUBLE SALT CONCENTRATION			5.0 dS/m (mmhos/cm) MAXIMUM		
MULCH APPLICATION RATES					
MULCH TYPE	APPLICATION RATE (MIN.)			NOTES	
	PER ACRE	PER 1,000 SQ. FT.	PER 1,000 SQ. YD.		
STRAW	3 TONS	140 LB.	1,240 LB.	EITHER WHEAT OR OAT STRAW, FREE OF WEEDS, NOT CHOPPED OR FINELY BROKEN	
HAY	3 TONS	140 LB.	1,240 LB.	TIMOTHY, MIXED CLOVER AND TIMOTHY, OR OTHER NATIVE FORAGE GRASSES	
WOOD CELLULOSE	1,500 LB.	35 LB.	310 LB.	DO NOT USE ALONE IN WINTER, DURING HOT AND DRY WEATHER OR ON STEEP SLOPES (> 3:1)	
WOOD	1,000 LB. CELLULOSE	25 LB.	210 LB.	WHEN USED OVER STRAW OR HAY	
WOOD CHIPS	4 - 6 TONS	185 - 275 LB.	1,650 - 2,500 LB.	MAY PREVENT GERMINATION OF GRASSES AND LEGUMES	

SITE STABILIZATION - SEED MIX



Ernst Conservation Seeds
8884 Mercer Pike
Meadville, PA 16335
(800) 873-3321 Fax (814) 336-5191
www.ernstseed.com

Date: December 14, 2020

Fuzz & Buzz Mix - Standard - ERNMX-146

	Botanical Name	Common Name	Price/lb
26.40 %	<i>Lolium perenne</i> , 'Crave', Tetraploid	Perennial Ryegrass, 'Crave', Tetraploid	2.31
25.80 %	<i>Dactylis glomerata</i> , 'Pennlate'	Orchardgrass, 'Pennlate'	2.75
18.90 %	<i>Poa pratensis</i> , 'Troy'	Kentucky Bluegrass, 'Troy' (pasture type)	3.08
12.00 %	<i>Festuca elatior</i> x <i>Lolium perenne</i> , Duo	Festulolium, 'Duo'	1.87
5.70 %	<i>Trifolium hybridum</i>	Alsike Clover	3.58
5.70 %	<i>Trifolium pratense</i> , Medium, Variety Not Stated	Red Clover, Medium, Variety Not Stated	2.75
1.30 %	<i>Chrysanthemum leucanthemum</i>	Oxeye Daisy	30.80
1.30 %	<i>Cichorium intybus</i>	Blue Chicory	17.60
1.10 %	<i>Lotus corniculatus</i> , 'Leo'	Bird's Foot Trefoil, 'Leo'	5.78
0.90 %	<i>Coreopsis lanceolata</i>	Lanceleaf Coreopsis	26.40
0.90 %	<i>Solidago nemoralis</i> , PA Ecotype	Gray Goldenrod, PA Ecotype	396.00

100.00 %

Mix Price/lb Bulk: \$6.98

Seeding Rate: Expect to apply about 26.5 lbs per acre.

Forage & Pasture Sites; Solar Sites

*OR APPROVED EQUIVALENT

NOTES:

- FUZZ & BUZZ MIX TO BE USED INSIDE THE FENCED AREAS. UPLAND SEED MIX TO BE USED OUTSIDE THE FENCE.

POLLINATOR - SEED MIX

Vegetative Stabilization - Stream Bank and Wetland Mix

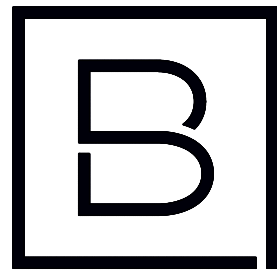
Seed: ERNMX-128 (or equivalent) ¹			Rate (lbs/acre)
<i>Carex vulpinoidea</i>	Fox Sedge	20%	15
<i>Echinochloa crusgalli</i> var. <i>frumentacea</i>	Japanese Millet	20%	
<i>Elymus virginicus</i>	Virginia Wild Rye	20%	
<i>Polygonum pensylvanicum</i>	Pennsylvania Smartweed	19.5%	
<i>Agrostis scabra</i>	Ticklegrass (Rough Bentgrass)	5%	6,000
<i>Panicum virgatum</i> , <i>Shelter</i>	Shelter Switch Grass	5%	
<i>Carex stipata</i>	Awl Sedge	3%	
<i>Panicum clandestinum</i>	Tioga Deer Tongue	3%	
<i>Carex scoparia</i>	Blunt Broom Sedge	2.5%	
<i>Bidens cernua</i> Mix	Nodding Bur Marigold Mix	1%	
<i>Juncus tenuis</i>	Path Rush	1%	
Mulch: Straw			

¹ ERNMX-128 = Ernst Conservation Seeds Seasonally Flooded Seed Mix

¹ ERNMX-128 = Ernst Conservation Seeds Seasonally Flooded Seed Mix

*OR APPROVED EQUIVALENT

WETLAND - SEED MIX



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NY ALFRED I, LLC.

COMMUNITY SOLAR FARM PROJECT

5568 JERICHO HILL ROAD
ALFRED, NY 14803

Date Revised	Description
07/01/2021	REVISED PER TOWN COMMENTS
09/03/2021	REVISED PER TOWN COMMENTS

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Project Manager	Discipline Lead
DJP	DJP
Designer	Reviewer
JL	ECR
Date Issued	Project Number
05/28/2021	12773.46

Sheet Name

DETAILS VI

Drawing Number

C015