



280 East Broad Street // Suite 200 // Rochester, NY 14604  
 585.232.5135 / 585.232.4652 fax  
 www.bergmannpc.com

OWNER: JOSEPH AND PAUL GROVER  
 APPLICANT: DELAWARE RIVER SOLAR, LLC  
 AND ITS AFFILIATES:  
 NY AURORA I, LLC AND NY  
 AURORA II, LLC

637 DAVIS ROAD  
 AURORA, NY 14052

NY AURORA I & II, LLC  
 COMMUNITY SOLAR  
 FARM PROJECT  
 PRELIMINARY SITE PLAN

PROJECT CONTACT LIST

DRAWING INDEX

**OWNER:**  
 - JOSEPH GROVER  
 - 637 DAVIS ROAD  
 - AURORA, NY 14052

**ARCHITECT:**  
 - TBD

**ELECTRICAL ENGINEER:**  
 - TBD

**APPLICANT:**  
 - DELAWARE RIVER SOLAR, LLC  
 AND ITS AFFILIATES:  
 NY AURORA I, LLC & NY AURORA II LLC  
 - 140 EAST 45TH STREET  
 SUITE 32B-1  
 NEW YORK, NY 10017  
 - CONTACT: PETER DOLGOS  
 - PHONE: 646.998.6495

**MECHANICAL ENGINEER:**  
 - TBD

**CIVIL ENGINEER:**  
 - BERGMANN  
 - 280 EAST BROAD STREET  
 SUITE 200  
 ROCHESTER, NY 14604  
 - CONTACT: DAVID PLANTE  
 - PHONE: 585.498.7877

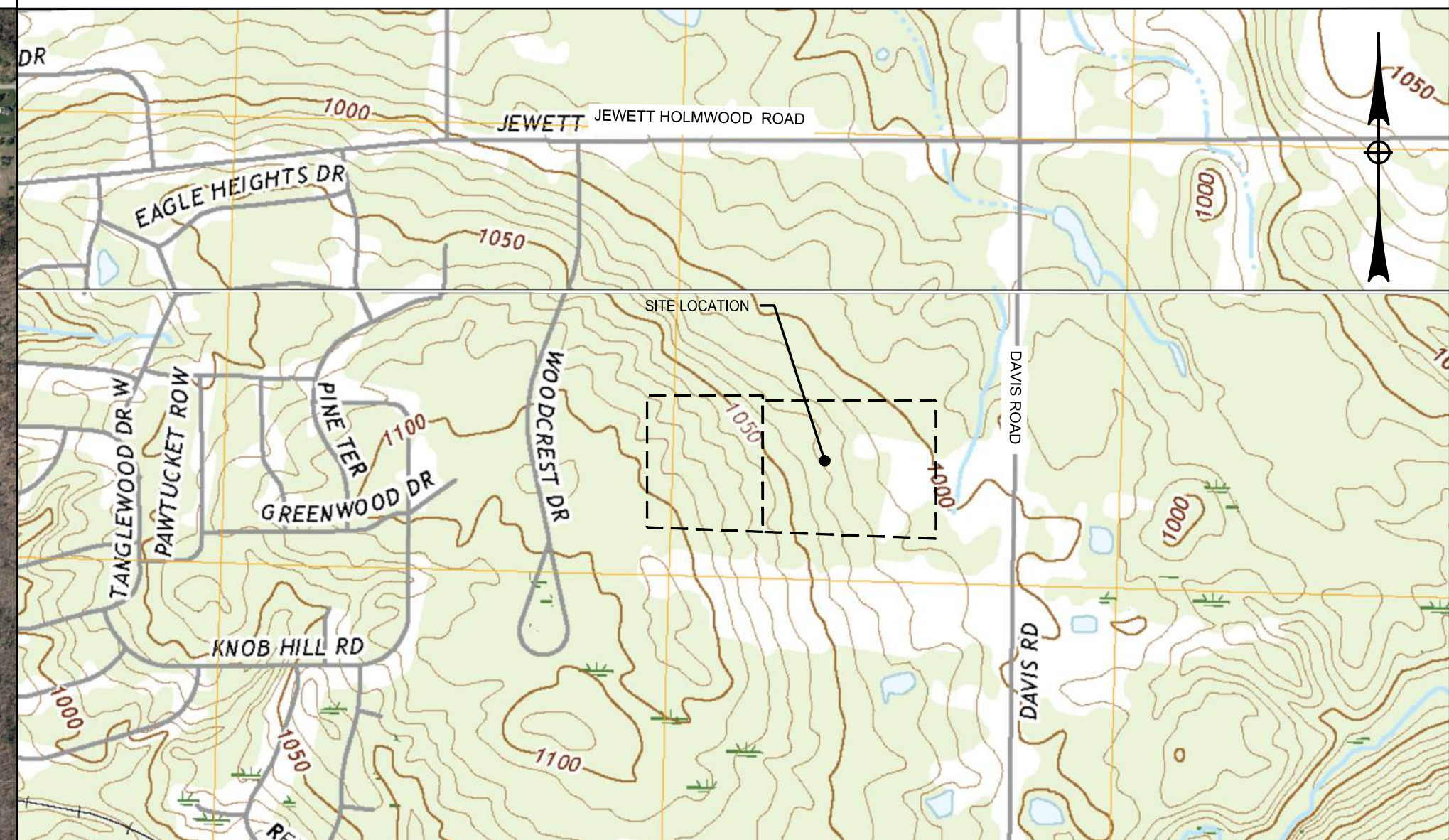
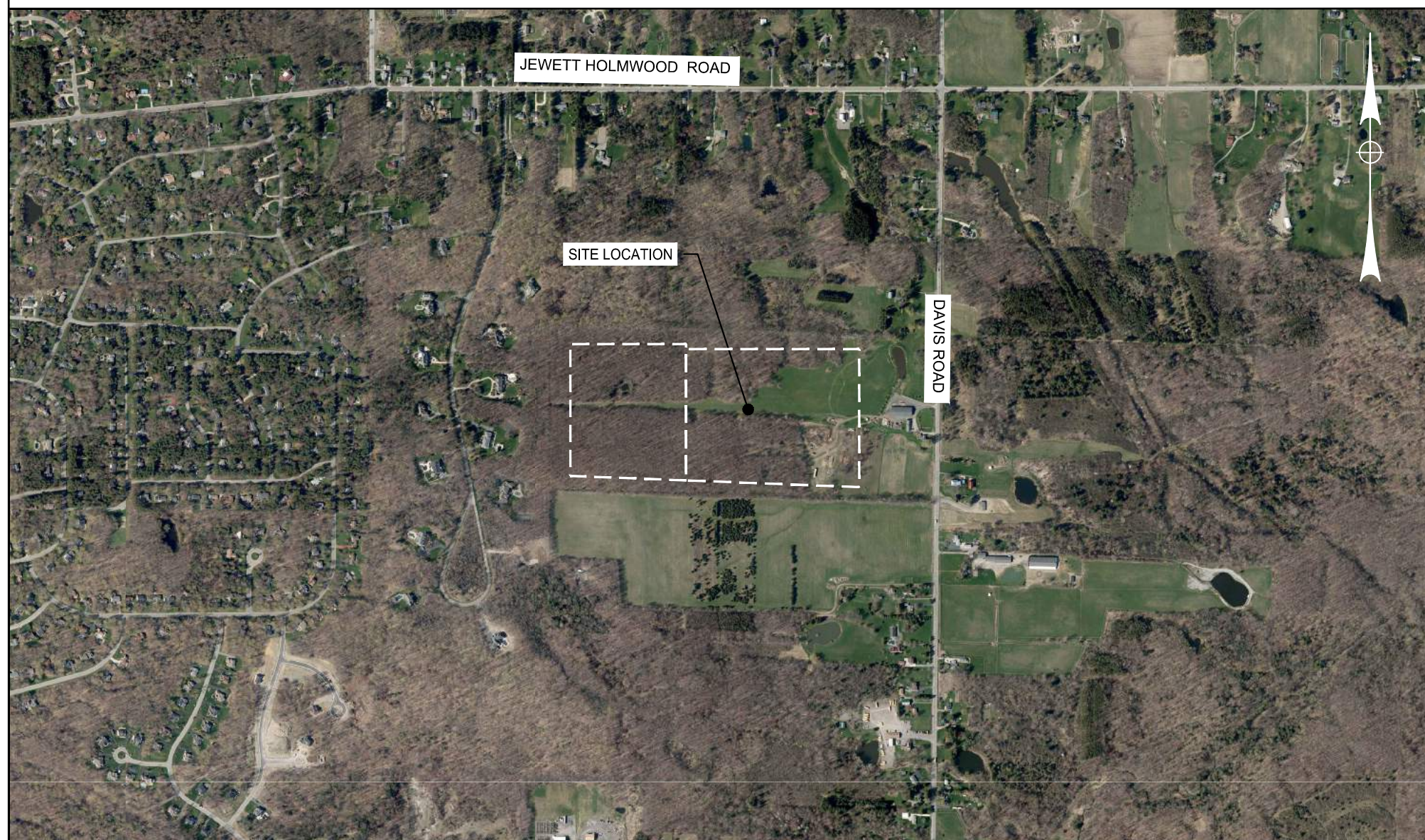
**STRUCTURAL ENGINEER:**  
 - TBD

C000	COVER SHEET
C001	GENERAL NOTES
C002	AREA PARCEL PLAN
C003	EXISTING CONDITIONS PLAN
C004	OVERALL SITE PLAN
C005	SITE PLAN
C006 - C009	DETAILS I - DETAILS IV

DATE	DESCRIPTION

PROJECT LOCATION MAP: 1" - 1000'

PROJECT TOPOGRAPHIC MAP: 1" - 1000'



01/01/2012 3:50:15 PM

PRELIMINARY  
 03/14/22  
 012773.59

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 NOT 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 CHAUTAUQUA 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 ACCEPTABLE 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 ½" TO ¾". 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.

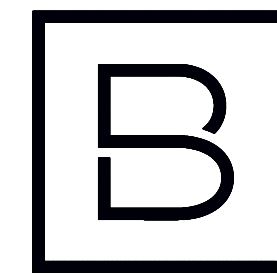
STORMWATER POLLUTION PREVENTION PLAN NOTES:

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, CHAUTAUQUA COUNTY HEALTH DEPARTMENT, AND THE TOWN OF HANOVER 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 PROHIBIT 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 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 AURORA I, LLC. & NY AURORA II, LLC. COMMUNITY SOLAR FARM: POTENTIAL WETLAND IMPACTS

WETLAND TYPE	WETLAND AREA (SQ. FT./AC)	AREA OF IMPACT (SQ. FT./AC)	
		TEMPORARY	PERMANENT
NWI WETLAND	10,802 SQ. FT./ 0.25 AC	0 SQ. FT./ 0 AC	10,802 SQ. FT./ 0.25 AC
TOTAL	10,802 SQ. FT./ 0.25 AC	0 SQ. FT./ 0 AC	10,802 SQ. FT./ 0.25 AC

\*NOTE: A FULL WETLAND DELINEATION WILL BE NEEDED TO DETERMINE EXISTING WETLAND BOUNDARIES. THIS IS INTENDED TO BE AN ESTIMATION UNTIL FURTHER NOTICE.



**BERGMANN**  
ARCHITECTS ENGINEERS PLANNERS

280 East Broad Street, Suite #200  
Rochester, NY 14604  
www.bergmannpc.com

office: 585.232.5135

**NY AURORA I, LLC. & NY AURORA II, LLC.**

**COMMUNITY SOLAR FARM PROJECT**

637 DAVIS ROAD  
AURORA, NY 14052

Date Revised	Description

Copyright © Bergmann Associates, Architects, Engineers, Landscape Architects & Surveyors, D.P.C

Project Manager <b>KEJ</b>	Discipline Lead <b>DJP</b>
Designer <b>KEJ</b>	Reviewer <b>ECR</b>
Date Issued <b>04/11/2022</b>	Project Number <b>12773.59</b>

Sheet Name

**GENERAL NOTES**

**001-GENERAL NOTES**

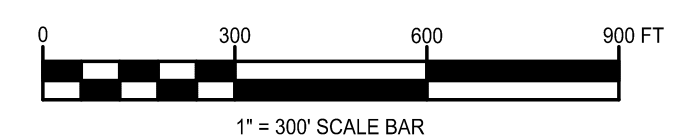


NUMBER	TAX ID	PARCEL OWNER
1	174.13-2-9	DAVID P. HANSLICK
2	174.13-2-10.1	RENATO D. PASSUCCI
3	174.13-2-10.2	RENATO D. PASSUCCI
4	174.13-2-14	BRAUN ENTERPRISES INC.
5	174.13-2-12.1	JUSTIN L. RAGAN
6	174.13-2-13	JOSEPH M. KORCZYNSKI
7	174.03-1-37	NEVSTY DEVELOPMENT LLC.
8	174.03-1-35	PETER K. SOMMER
9	174.03-1-33	MICHAEL DUJANOVISH
10	174.03-1-31	KATHLEEN ANDERSON

11	174.03-1-30	ROBERT J. FIERLE JR.
12	174.03-1-28	ROBERT J. FIERLE JR.
13	174.03-1-23.2	PATRICIA BREEN
14	174.03-1-24	THOMAS W. BECK
15	174.00-3-12.2	MICHAEL A. VARGO
16	174.17-3-1	NORMAN SCHWENK
17	174.17-3-2	IAN FINN
18	174.00-3-3.2	STEPHANIE L. GRUARIN
19	174.00-3-11	JOHN A. VIGNERON
20	174.17-3-3	KRISTIN FOTEVSKI
21	174.17-3-4	JOSPEH MCNEIL

22	174.17-3-5	TIMOTHY P. NOONAN
23	186.05-2-1	AURORA EQUITY LLC.
24	186.05-2-6	TOWN OF AURORA
25	174.00-3-5.2	BMB TOWER HOLDINGS LLC.
26	174.00-3-10	WILLIAM J. SAHLEM
27	174.00-3-57	N/A
28	174.00-3-55	N/A
29	174.00-3-52	JONATHAN E. BAKER
30	174.00-3-56	N/A
31	174.00-3-8	RAYMOND JAKUBUS SR.
32	186.00-1-1	WILLIAM J. SAHLEM

33	174.00-3-50	MICHAEL A. MCGEE
34	174.00-3-6.11	NICHOLAS R. SNYDER
35	174.00-3-7.1	ROY L. KIDD



280 East Broad Street, Suite #200  
 Rochester, NY 14604  
 www.bergmannpc.com  
 office: 585.232.5135

## NY AURORA I, LLC. & NY AURORA II, LLC.

### COMMUNITY SOLAR FARM PROJECT

637 DAVIS ROAD  
 AURORA, NY 14052

Date Revised	Description

Copyright © Bergmann Associates, Architects, Engineers,  
 Landscape Architects & Surveyors, D.P.C.

Project Manager <b>KEJ</b>	Discipline Lead <b>DJP</b>
Designer <b>KEJ</b>	Reviewer <b>ECR</b>
Date Issued <b>04/11/2022</b>	Project Number <b>12773.59</b>

Sheet Name

### AREA PARCEL PLAN

Drawing Number

# 002-OVERALL

09  
 - C002

ARCH D 24x36

M:\Delaware River Solar\012773-59 Delaware River Solar - Davis Road\4.0 Dwg\4.1 Civil\003-Existing Conditions.dwg

4/11/2022 3:06 PM



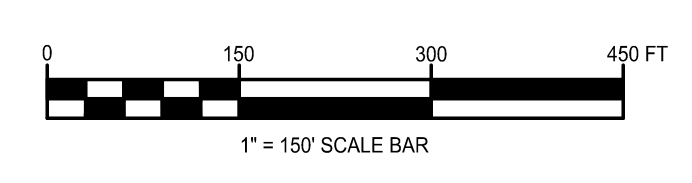
NOTES

1. PROPERTY IS KNOWN AS TAX MAP ID #49.00-1-44 THE TOWN OF HANOVER, CHAUTAQUA COUNTY, NEW YORK.
2. LOT AREA = 2,670,226 S.F. OR 61.30 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 = NAVD88.
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 JULY 28, 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
- HYDRANT
- 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
- STREAM CENTERLINE
- DELINEATED WETLAND - PEM
- DELINEATED WETLAND - PSS
- FEMA 100-YR FLOOD ZONE
- SCHEDULE "B-I" TITLE EXCEPTION NUMBER



280 East Broad Street, Suite #200  
Rochester, NY 14604  
www.bergmannpc.com  
office: 585.232.5135

**NY AURORA I, LLC. &  
NY AURORA II, LLC.**

**COMMUNITY SOLAR  
FARM PROJECT**

637 DAVIS ROAD  
AURORA, NY 14052

Date Revised	Description

Copyright © Bergmann Associates, Architects, Engineers, Landscape Architects & Surveyors, D.P.C.

Project Manager	Discipline Lead
<b>KEJ</b>	<b>DJP</b>
Designer	Reviewer
<b>KEJ</b>	<b>ECR</b>
Date Issued	Project Number
<b>04/11/2022</b>	<b>12773.59</b>

Sheet Name

**EXISTING CONDITIONS  
PLAN**

**003-EXISTING  
CONDITIONS**

ARCH D 24x36

M:\Delaware River Solar\012773-59 Delaware River Solar - Davis Road\4.0 Dwg\4.1 Civil\004-Overall Site Plan.dwg

4/11/2022 3:06 PM

SITE PLAN DATA TABLE		
SITE IS LOCATED IN THE AGRICULTURAL (A) & RURAL RESIDENTIAL ZONING DISTRICT (RR)		
PROPOSED USE: SOLAR		
PARCEL 174.00-3-4 TOWN OF AURORA, COUNTY OF ERIE STATE OF NEW YORK		
APPLICANT: DELAWARE RIVER SOLAR, LLC. AND ITS AFFILIATES: NY AURORA I, LLC & NY AURORA II, LLC. 140 EAST 45TH STREET SUITE 328-1 NEW YORK, NY 10017 (646) 998-6495	OWNER(S) OF RECORD: JOSEPH GROVER 637 DAVIS ROAD AURORA, NY 14052	
PLANS PREPARED BY: BERGMANN 280 EAST BROAD STREET, SUITE 200 ROCHESTER, NY 14604 (585) 232-5135		
DESCRIPTION	REQUIRED	PROPOSED
MIN. LOT AREA	3 AC	81.5 AC
FRONT YARD SETBACK	75 FT	557.2 FT
SIDE YARD SETBACK	40 FT	164.9 FT
REAR YARD SETBACK	100 FT	178.7 FT
MAX. HEIGHT OF PANELS	15 FT	<15 FT

ARRAY INFORMATION	
SYSTEM SIZE	6.96 MW-DC, 5.0 MW-AC
MODULE	LONGI LR5-72HBD 535Wp, 13,000 UNITS

- LEGEND**
- PROPOSED SOLAR PANELS
  - PROPOSED PERIMETER FENCE
  - PROPOSED UNDERGROUND ELECTRIC
  - PROPOSED OVERHEAD ELECTRIC
  - STREAM
  - PROPOSED LIMITED USE PERVIOUS GRAVEL DRIVEWAY
  - PROPOSED TREE OR SHRUB CLEARING
  - PROPOSED TREE OR SHRUB CUTTING
  - DELINEATED WETLAND - PEM
  - DELINEATED WETLAND - PSS
  - SETBACK LINE
  - PUBLIC ROW SETBACK LINE
  - EXISTING TREELINE
  - PROPOSED TREELINE



280 East Broad Street, Suite #200  
Rochester, NY 14604  
www.bergmannpc.com  
office: 585.232.5135

# NY AURORA I, LLC. & NY AURORA II, LLC. COMMUNITY SOLAR FARM PROJECT

637 DAVIS ROAD  
AURORA, NY 14052

Date Revised	Description

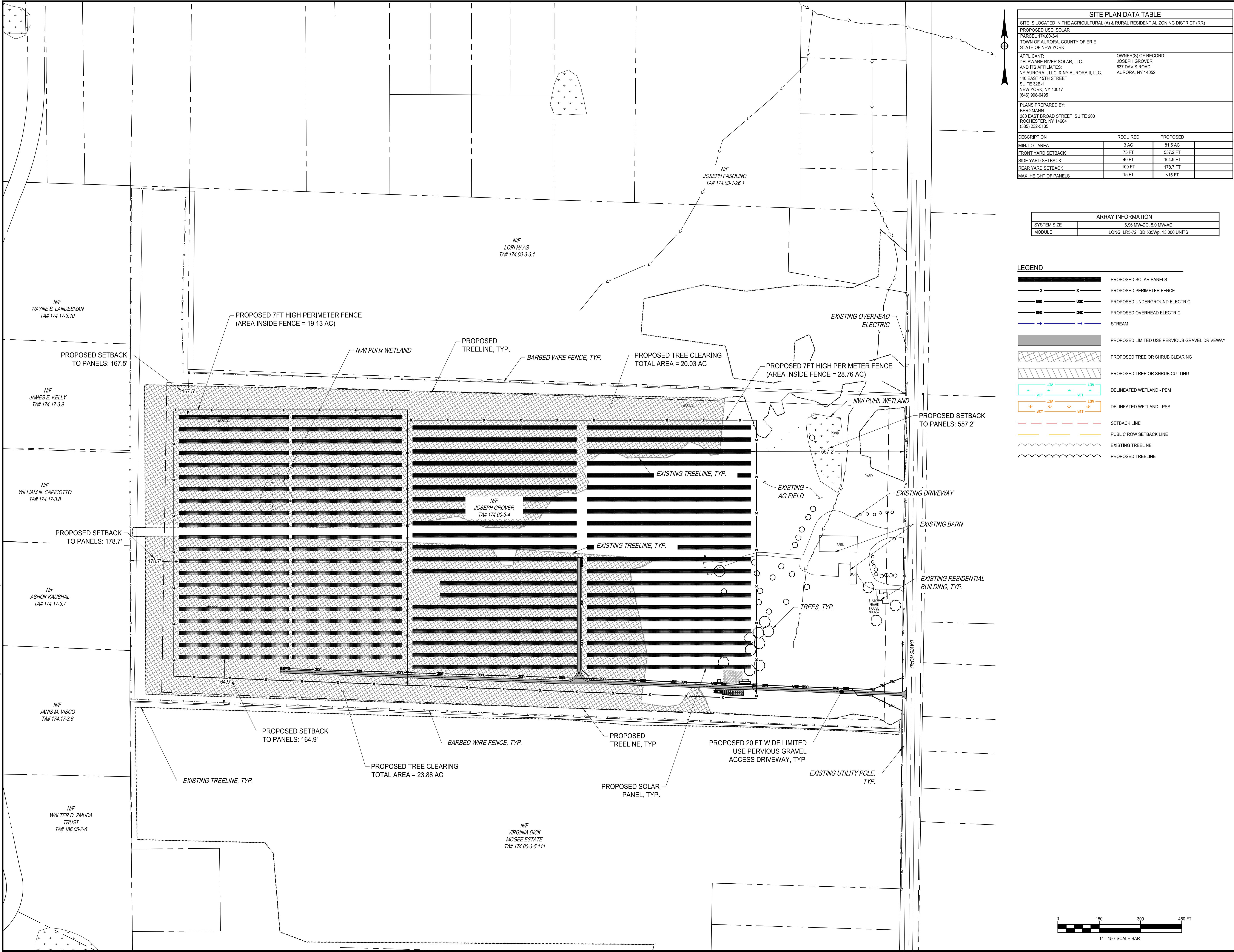
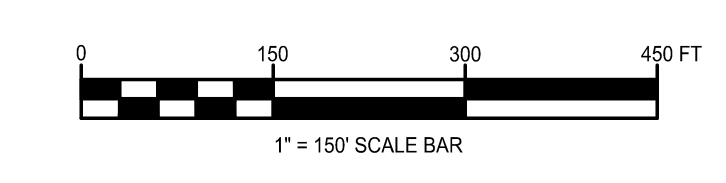
Copyright © Bergmann Associates, Architects, Engineers, Landscape Architects & Surveyors, D.P.C.

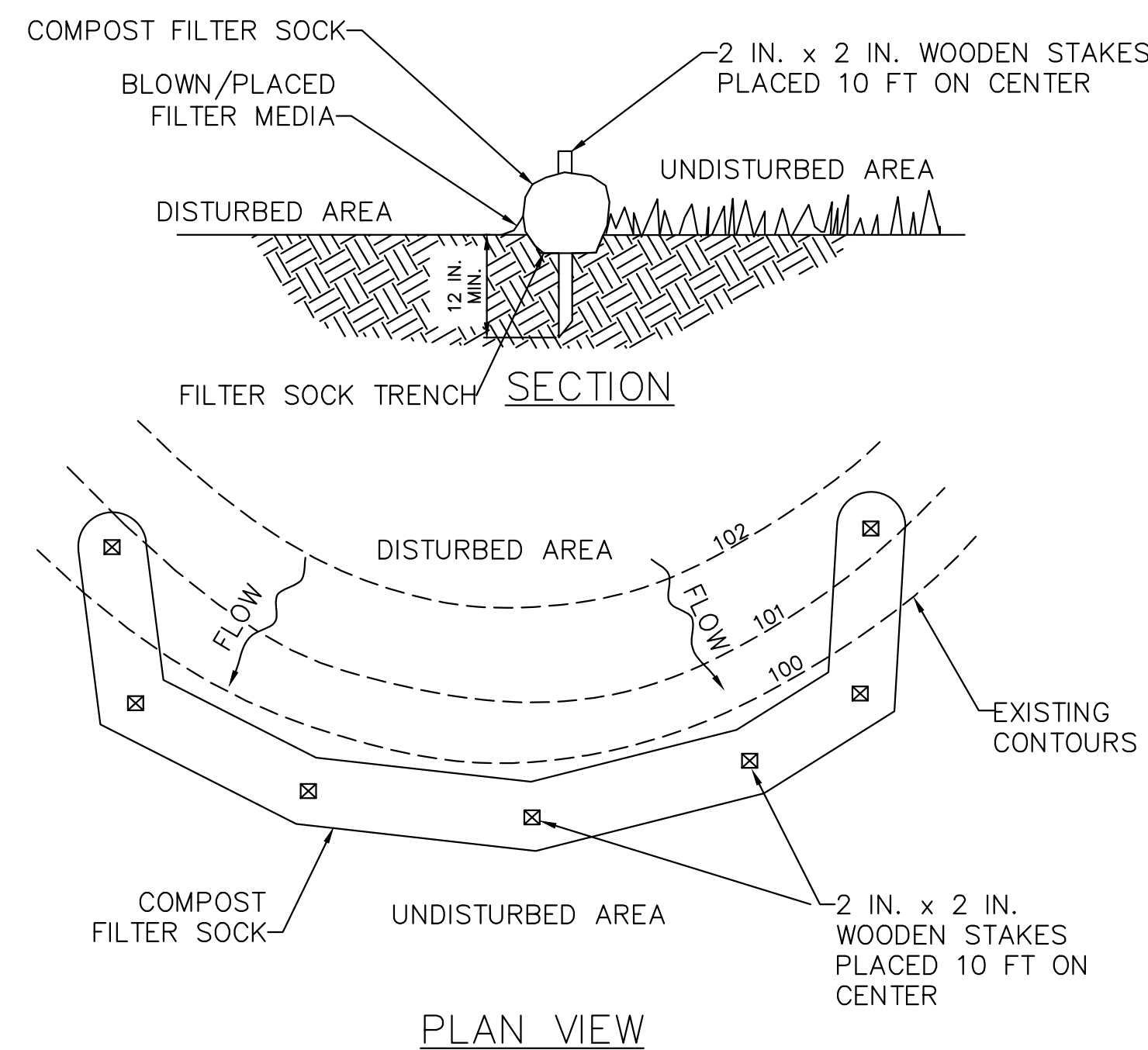
Project Manager <b>KEJ</b>	Discipline Lead <b>DJP</b>
Designer <b>KEJ</b>	Reviewer <b>ECR</b>
Date Issued <b>04/11/2022</b>	Project Number <b>12773.59</b>

Sheet Name

## OVERALL SITE PLAN

# 004-OVERALL SITE PLAN



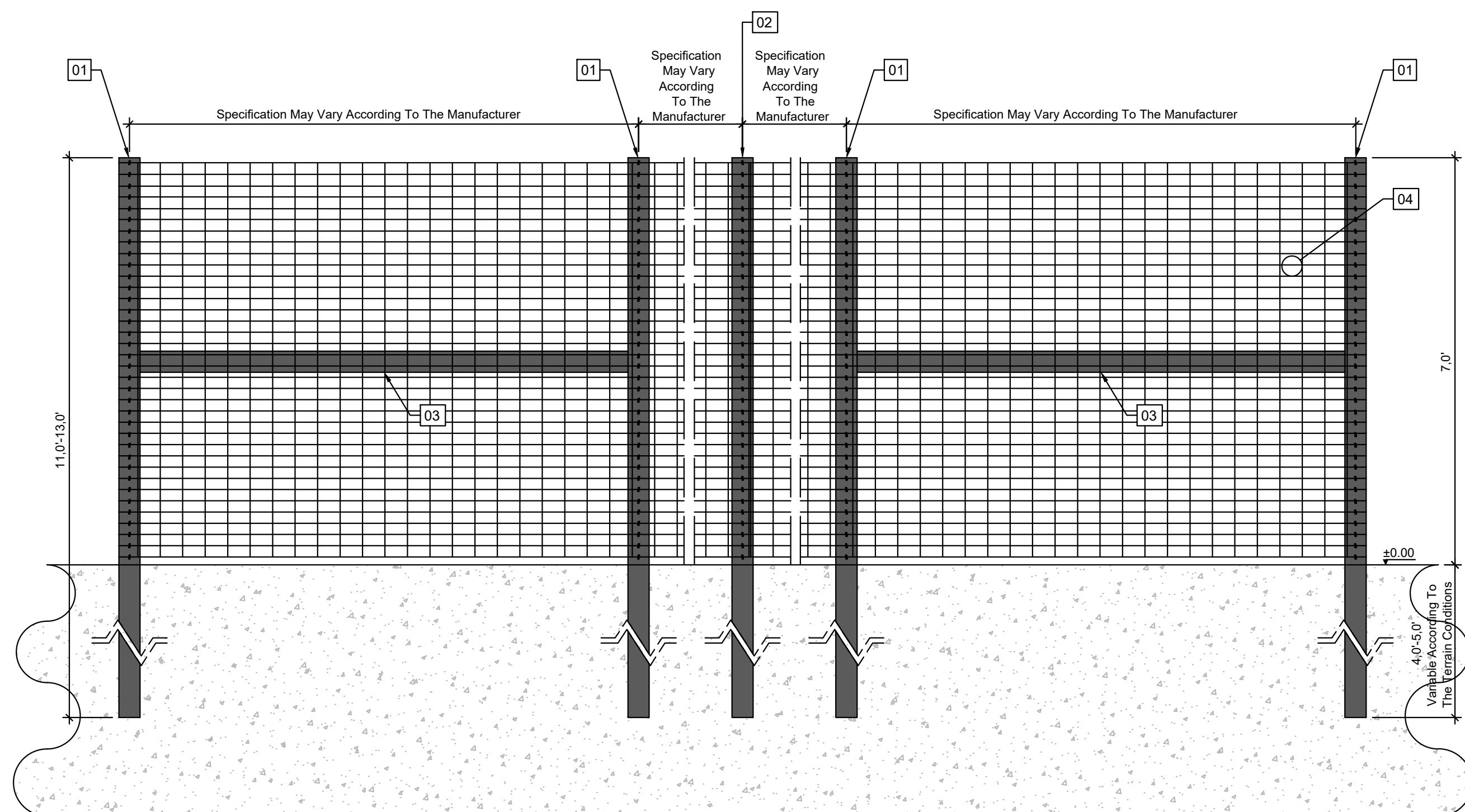


NOTES:

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



FRONT VIEW

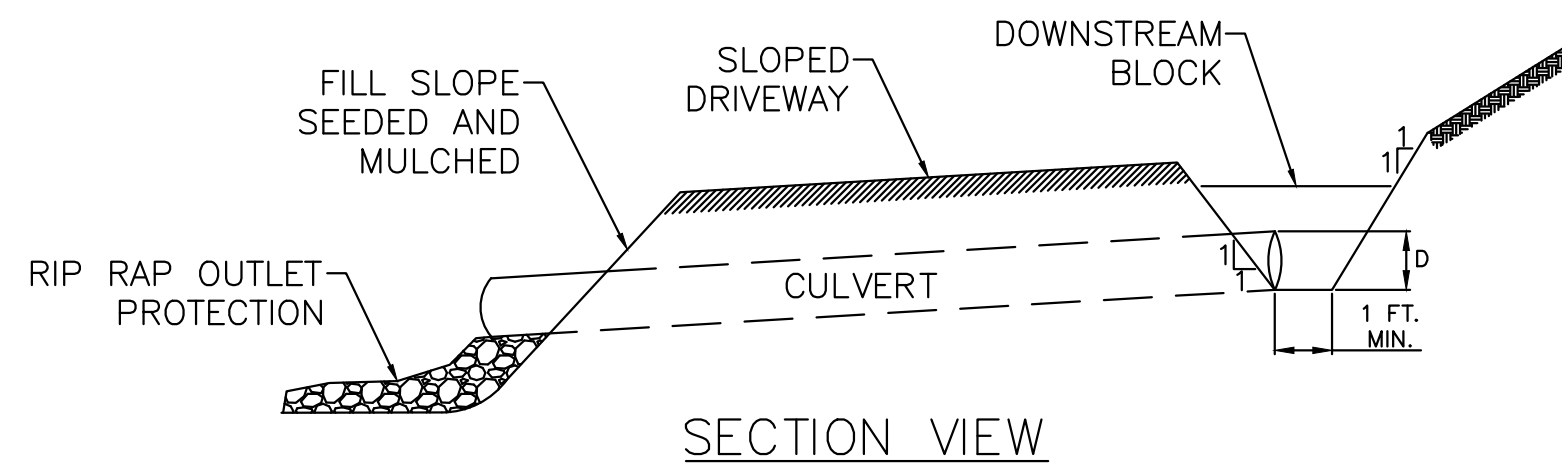
- 01 CORNER POST 5'-6"Ø or 6"-7"Ø WITH BRACING FOR STABILITY
- 02 LINE POST 5'-6"Ø or 6"-7"Ø
- 03 BRACING CORNER POST 5'-6"Ø or 6"-7"Ø
- 04 FIXED-KNOT WOVEN GALVANIZED WIRE, BLACK, 10-12.5 GA.
- 05 ACCESS GATE
- 06 2" x 2" WOOD STAKES
- 07 FIBER ROLL 9' Ø

NOTES:

1. PER TOWN CODE, A SAFETY SIGN SHALL BE ATTACHED TO THE MAIN GATE THAT CONTAINS A HIGH VOLTAGE WARNING AND THE BROOME COUNTY EMERGENCY SERVICES TELEPHONE NUMBER. THIS SIGN SHALL ADHERE TO THE SIGN REQUIREMENTS FOR THE ZONING DISTRICT IN WHICH IT IS LOCATED. A SOLAR ENERGY SYSTEM SHALL NOT BE USED TO DISPLAY PERMANENT OR TEMPORARY ADVERTISING.

PERIMETER FENCE DETAIL

NO SCALE



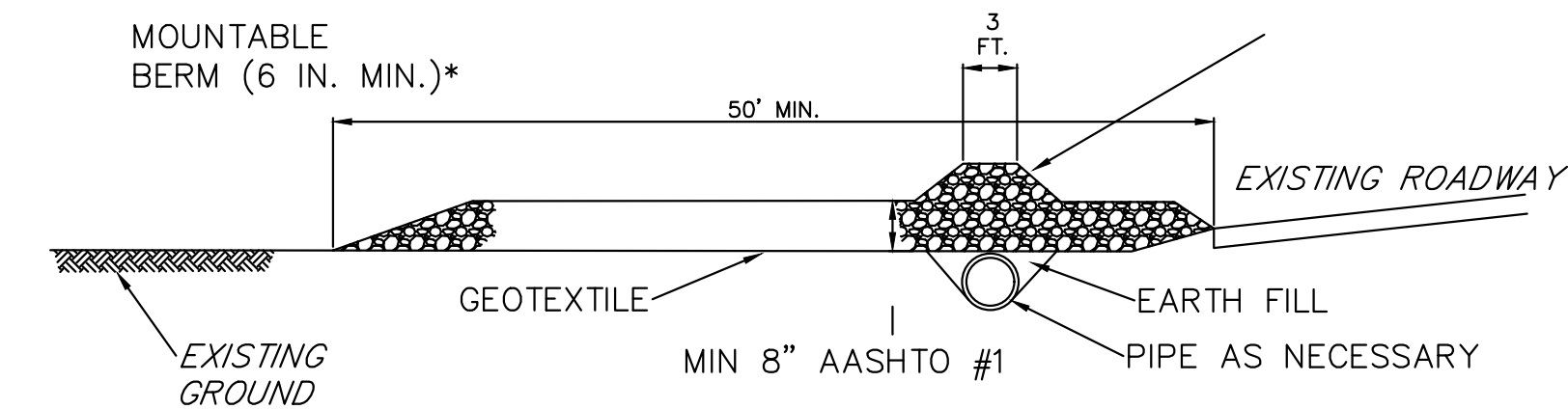
CROSS CULVERT

CROSS CULVERT

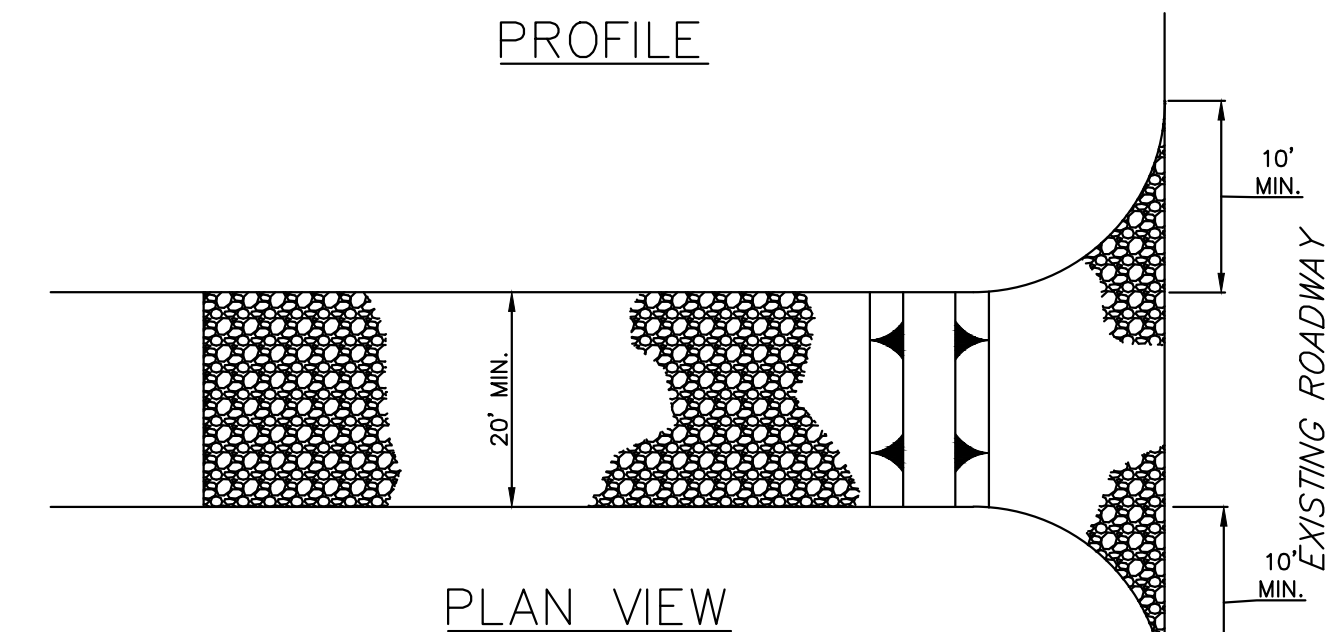
NO SCALE

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.



PROFILE



PLAN VIEW

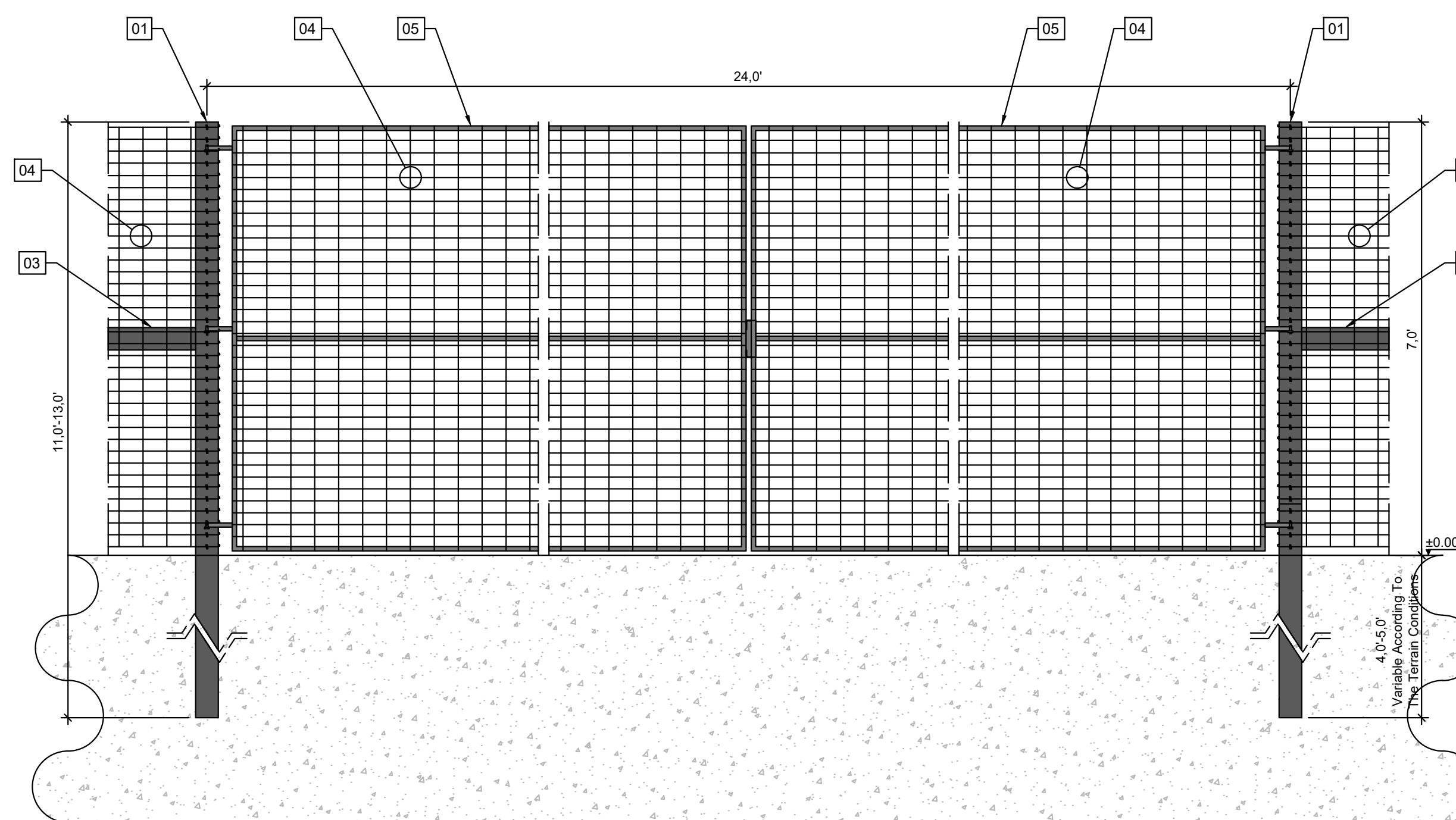
\* MOUNTABLE BERM USED TO PROVIDE PROPER COVER FOR PIPE

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.

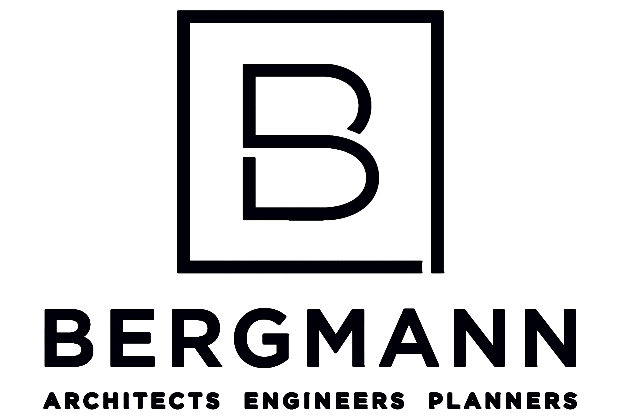
STABILIZED CONSTRUCTION ENTRANCE

NO SCALE



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



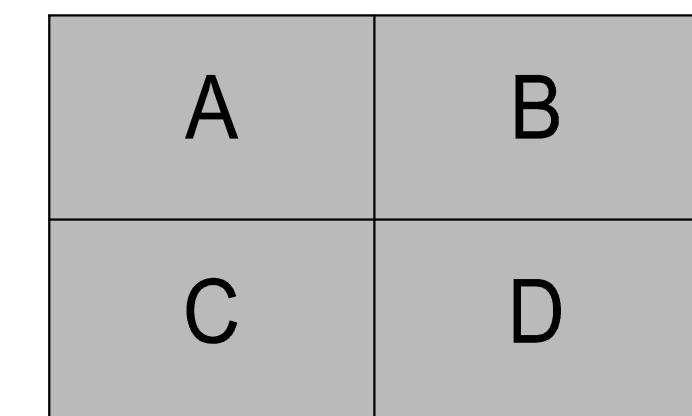
280 East Broad Street, Suite #200  
 Rochester, NY 14604  
 www.bergmannpc.com  
 office: 585.232.5135

**NY AURORA I, LLC. &  
 NY AURORA II, LLC.**

**COMMUNITY SOLAR  
 FARM PROJECT**

637 DAVIS ROAD  
 AURORA, NY 14052

Date Revised	Description



Key Plan

Copyright © Bergmann Associates, Architects, Engineers,  
 Landscape Architects & Surveyors, D.P.C.

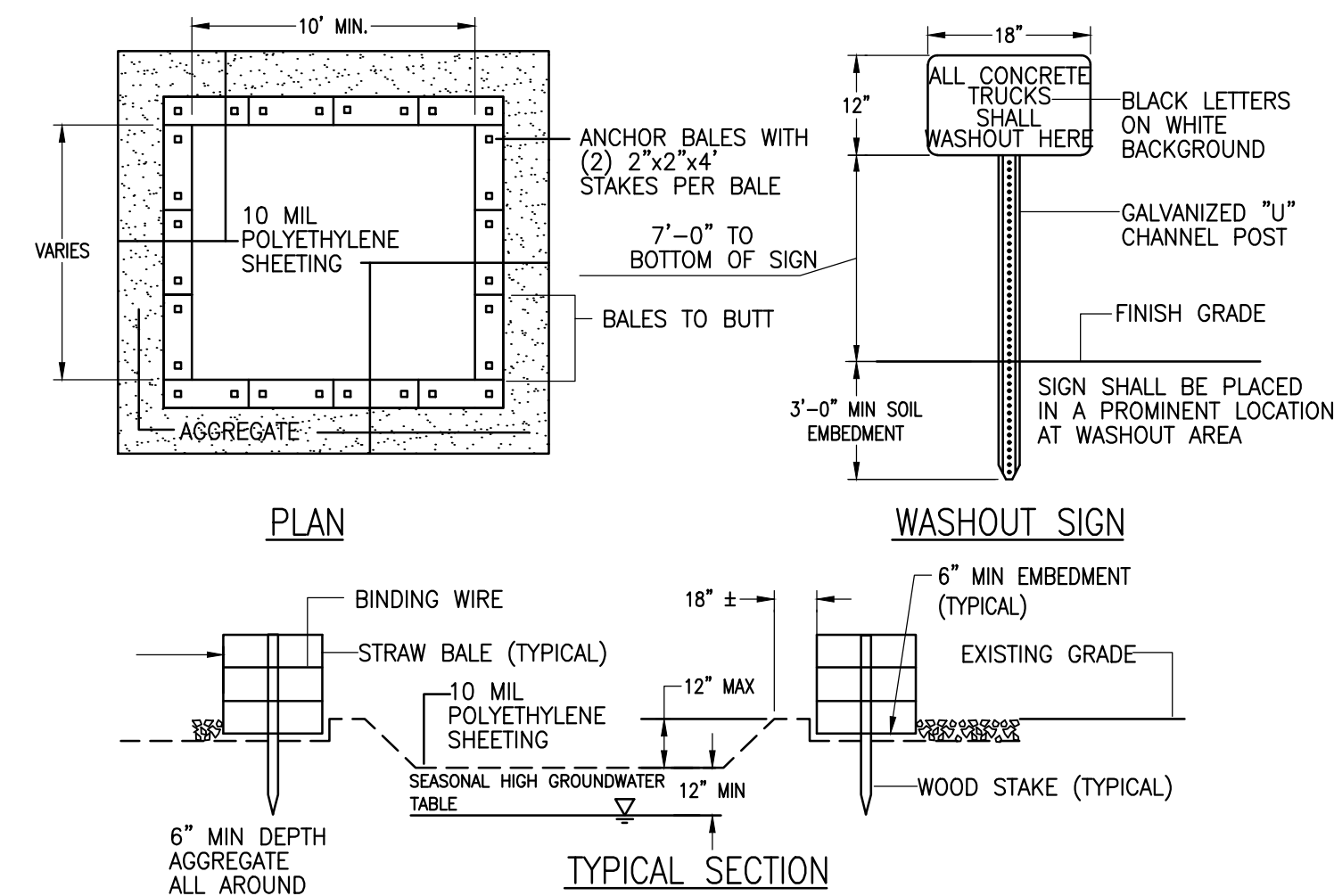
Project Manager	Discipline Lead
KEJ	DJP
Designer	Reviewer
KEJ	ECR
Date Issued	Project Number
04/11/2022	12773.59

Sheet Name

**005-DETAILS - 7  
 DETAILS I**

Drawing Number



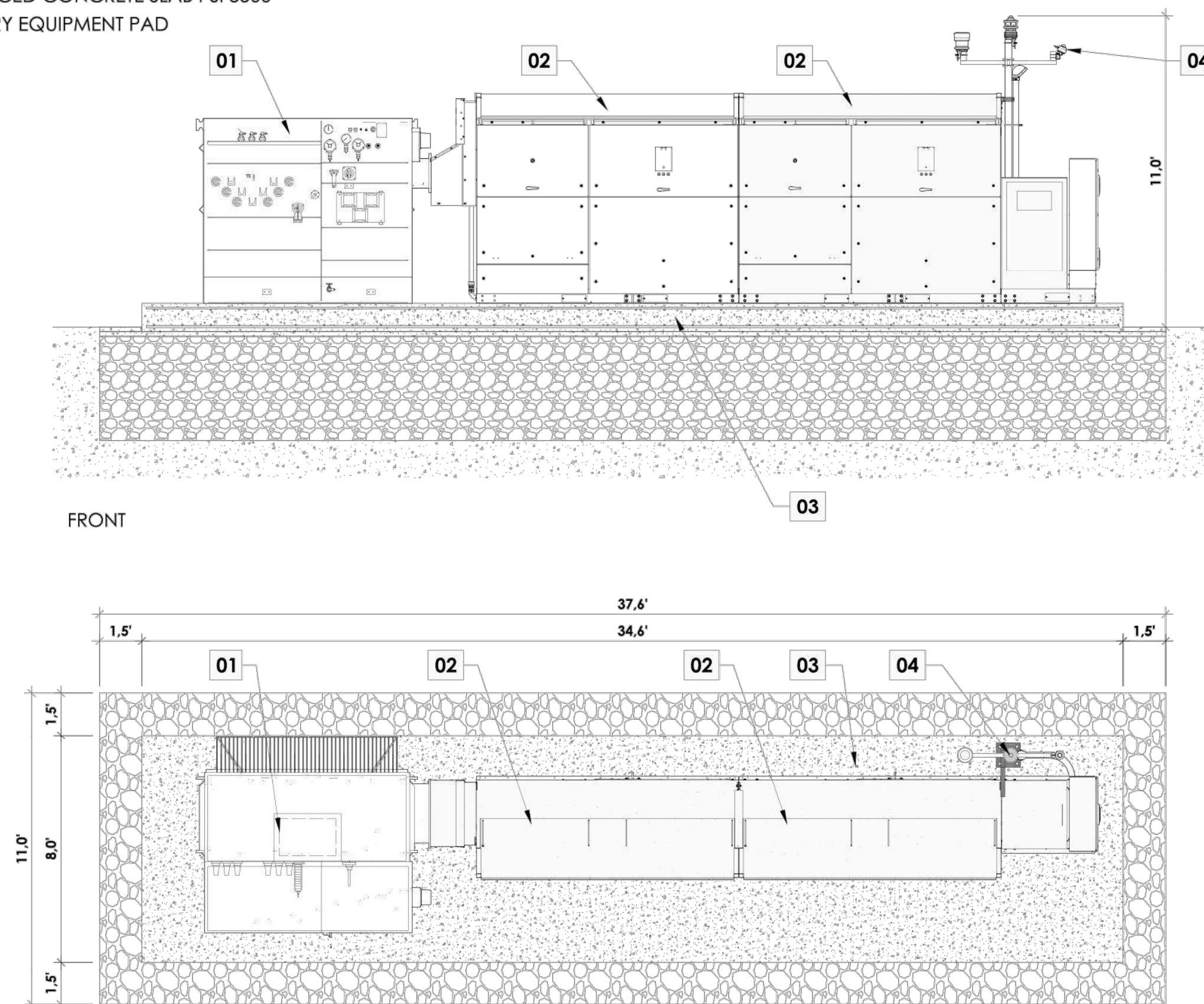


1. CONTAINMENT MUST BE STRUCTURALLY SOUND AND LEAK FREE AND CONTAIN ALL LIQUID WASTES.
2. CONTAINMENT DEVICES MUST BE OF SUFFICIENT QUANTITY OR VOLUME TO COMPLETELY CONTAIN THE LIQUID WASTES GENERATED.
3. WASHOUT MUST BE CLEANED OR NEW FACILITIES CONSTRUCTED AND READY TO USE ONCE WASHOUT IS 75% FULL.
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.

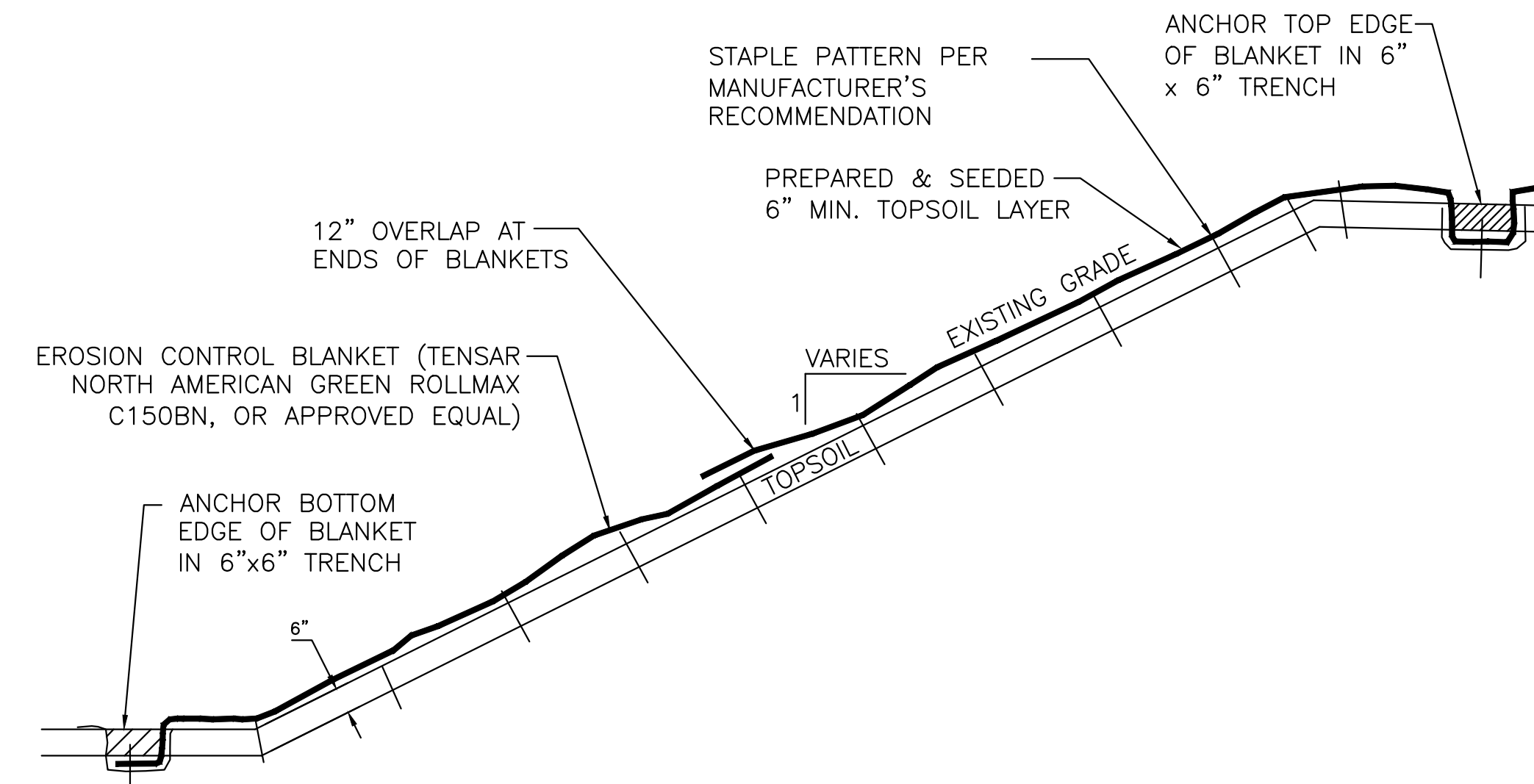
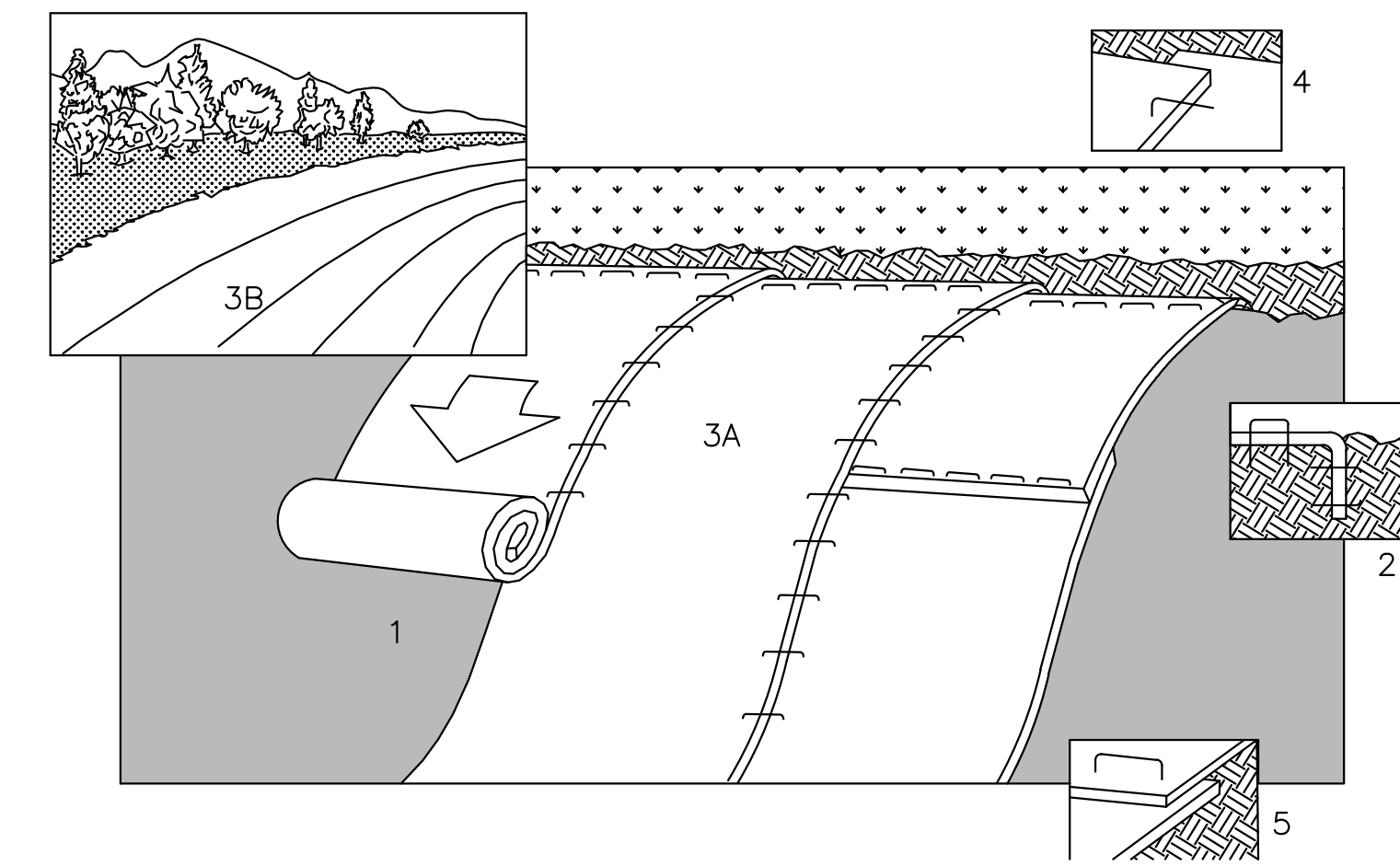
**CONCRETE WASHOUT**  
NO SCALE

DETAIL 1 scale 1"=8' - PAD DISTRIBUTION

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



**CONCRETE EQUIPMENT PAD DETAIL**  
NO SCALE

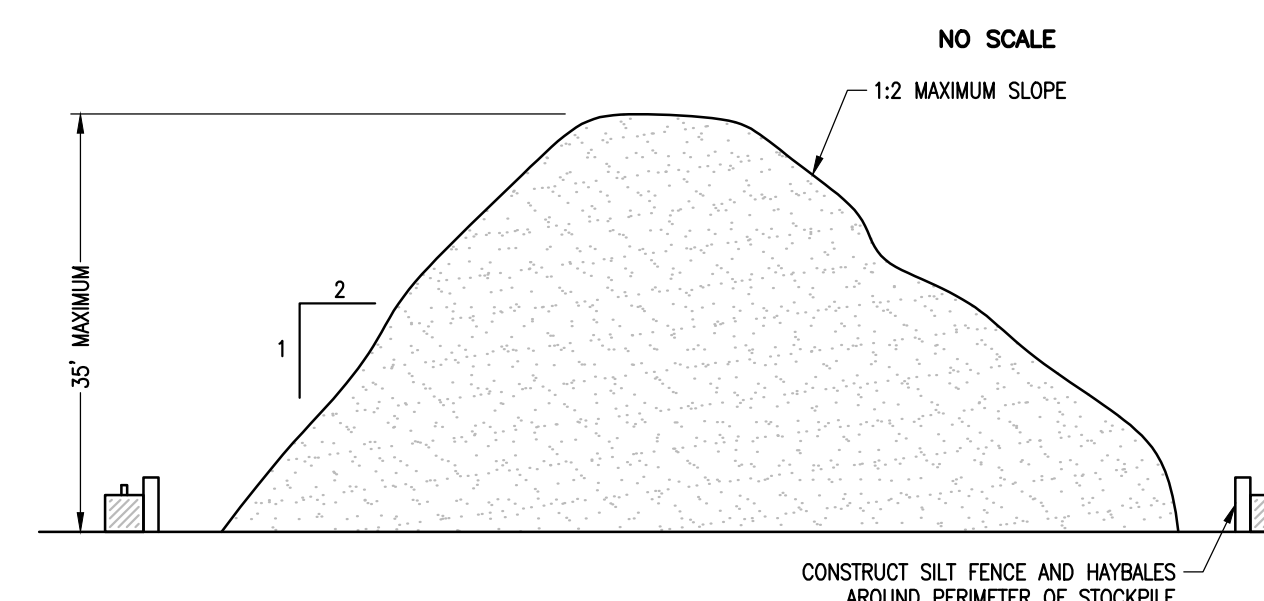


**NOTES:**

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
3. ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.
5. WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 12" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART.
6. EROSION CONTROL BLANKETS SHALL BE INSTALLED ON ALL 3:1 OR STEEPER SLOPES WITH A MINIMUM OF 6 INCHES OF TOPSOIL.
7. THE USE OF FLEXIBLE GROWTH MEDIUM, BONDED FIBER MATRIX, OR POLYMER STABILIZED FIBER MATRIX, APPLIED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS, IS AN ACCEPTABLE ALTERNATIVE TO THE USE OF EROSION CONTROL BLANKET.

**EROSION CONTROL BLANKET**

NO SCALE

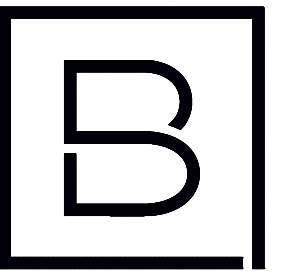


**NOTES:**

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE BE 1V:2H.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH SILT FENCING, THEN STABILIZED WITH VEGETATION OR COVERED.
4. APPLICATION OF SOIL STABILIZATION MEASURES, I.E. SEEDING AND MULCH APPLICATION, SHALL BE COMPLETED WITHIN FOURTEEN (14) DAYS FROM THE DATA SOIL ACTIVITY HAS CEASED.
5. LOCATION OF THE SOIL STOCKPILE TO BE DETERMINED BY CONSTRUCTION MANAGER ON SITE.

**STOCK PILE DETAIL**

NO SCALE



**BERGMANN**  
ARCHITECTS ENGINEERS PLANNERS

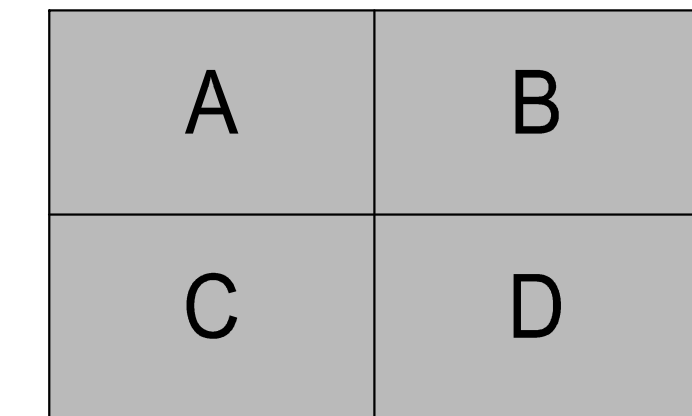
280 East Broad Street, Suite #200  
 Rochester, NY 14604  
 www.bergmannpc.com  
 office: 585.232.5135

**NY AURORA I, LLC. & NY AURORA II, LLC.**

**COMMUNITY SOLAR FARM PROJECT**

637 DAVIS ROAD  
 AURORA, NY 14052

Date Revised	Description



Key Plan

Copyright © Bergmann Associates, Architects, Engineers, Landscape Architects & Surveyors, D.P.C.

Project Manager <b>KEJ</b>	Discipline Lead <b>DJP</b>
Designer <b>KEJ</b>	Reviewer <b>ECR</b>
Date Issued <b>04/11/2022</b>	Project Number <b>12773.59</b>

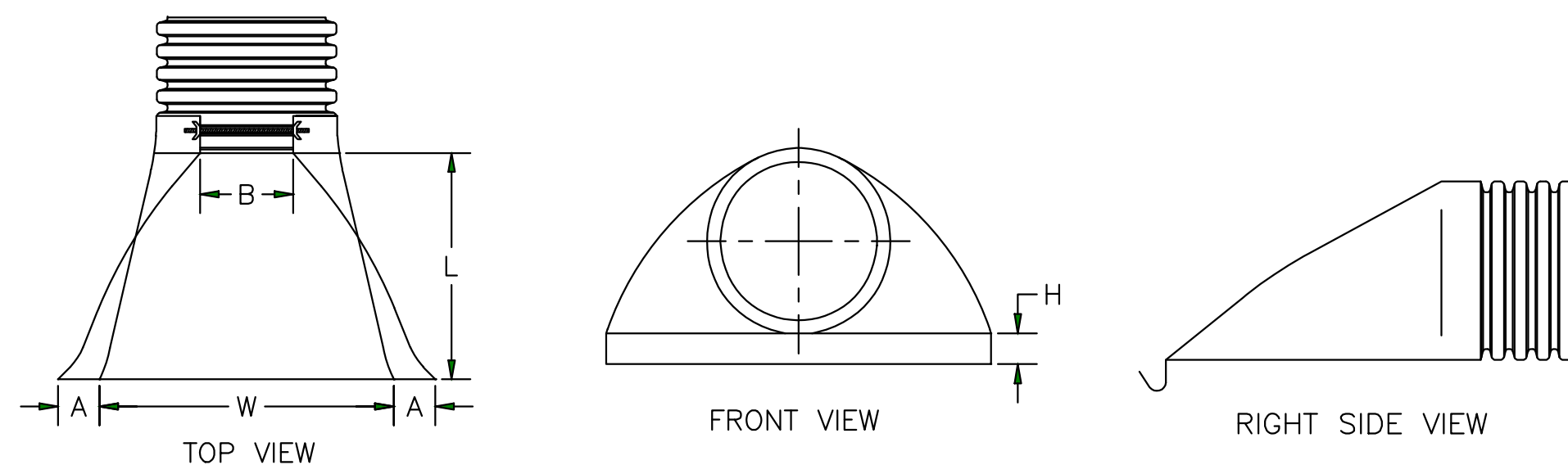
Sheet Name

**005-DETAILS - 8  
 DETAILS II**

Drawing Number



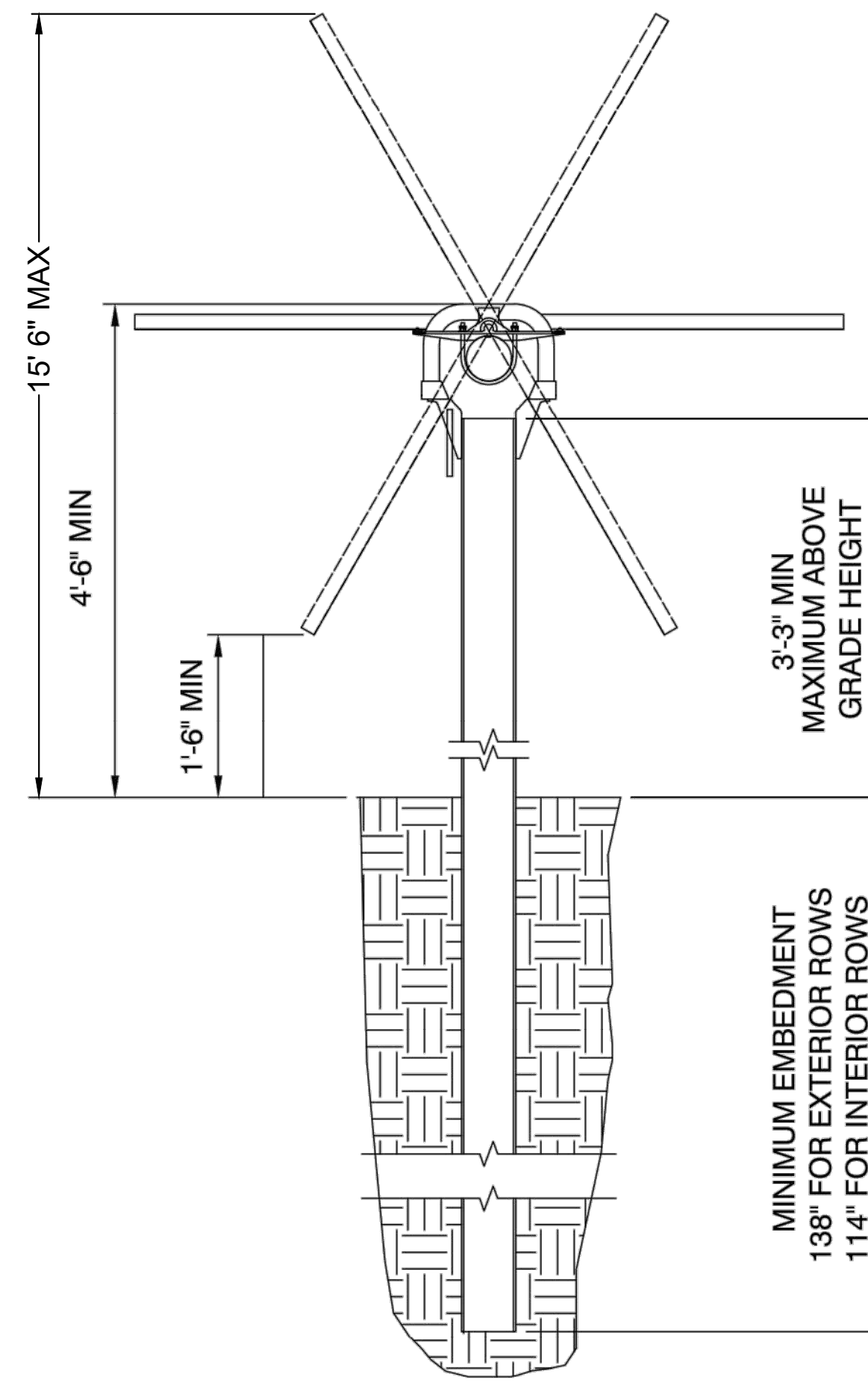
PIPE DIAMETER, in (mm)						
Diameter in (mm)	12 (300)	15 (375)	18 (450)	24 (600)	30 (750)	36 (900)
A in (mm)	6.5 (165)	6.5 (165)	7.5 (191)	7.5 (191)	7.5 (191)	7.5 (191)
B (max) in (mm)	10.0 (254)	10.0 (254)	15.0 (381)	18.0 (475)	22.0 (559)	25.0 (635)
H in (mm)	6.5 (165)	6.5 (165)	6.5 (165)	6.5 (165)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



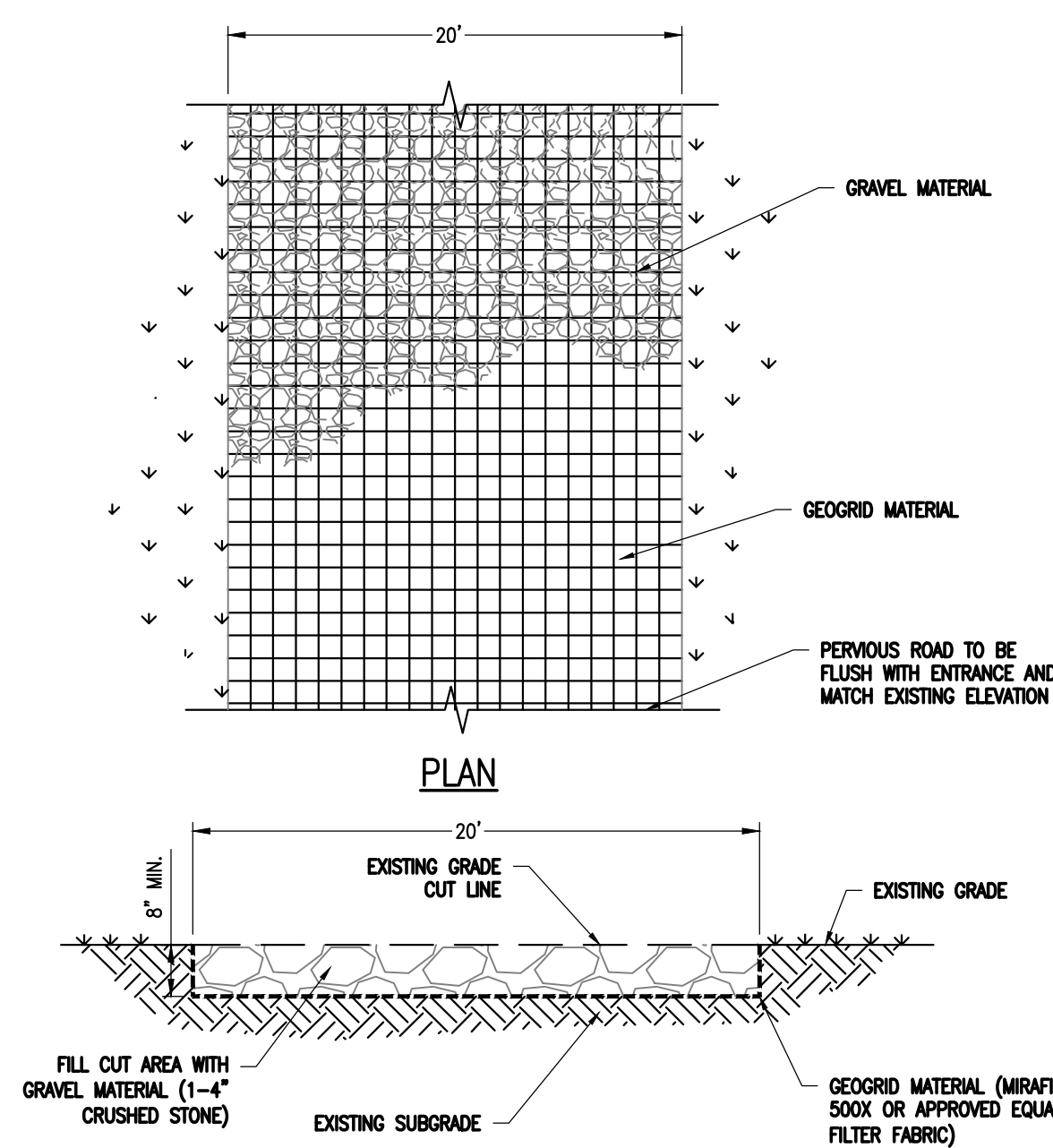
TRACKER SOLAR ARRAY DETAIL

NO SCALE

.. \4.8 Xref\Details\Rip-Rap outlet.jpg

OUTLET PROTECTION

NO SCALE



**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 TABLE 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 500K110 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 500K110 GEOGRIDS; 365 SOUTH HOLLAND DRIVE, PENDERGRASS, GA; 800-685-9990 OR 706-683-2226; 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.

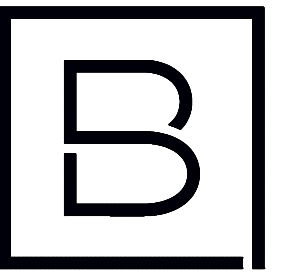
BASIS OF DESIGN: TENCATE MIRAFI RSI-SERIES WOVEN GEOSYNTHETICS; 365 SOUTH HOLLAND DRIVE, PENDERGRASS, GA; 800-685-9990 OR 706-683-2226; WWW.MIRAFI.COM

**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 RECORDING 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 RUNOFF FROM THE ASSOCIATED ROADSIDE DITCH MAY REQUIRE ADDITIONAL PRACTICES TO ATTENUATE RUNOFF TO PRE-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 USE 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 09-0-20-001 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.

LIMITED USE PERVIOUS ACCESS ROAD - 0% TO 10% SLOPES

NO SCALE



**BERGMANN**  
ARCHITECTS ENGINEERS PLANNERS

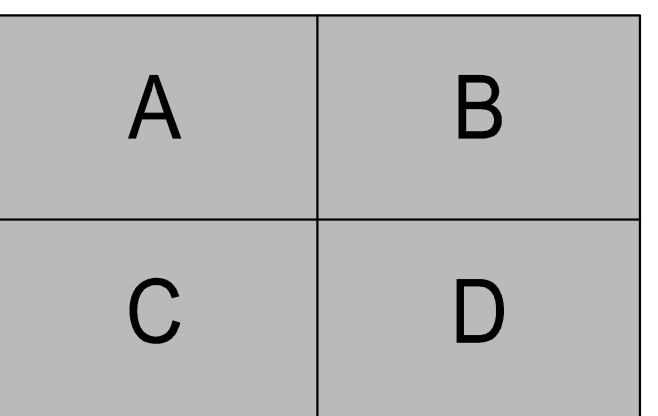
280 East Broad Street, Suite #200  
Rochester, NY 14604  
www.bergmannpc.com  
office: 585.232.5135

**NY AURORA I, LLC. &  
NY AURORA II, LLC.**

**COMMUNITY SOLAR  
FARM PROJECT**

637 DAVIS ROAD  
AURORA, NY 14052

Date Revised Description



Key Plan

Copyright © Bergmann Associates, Architects, Engineers, Landscape Architects & Surveyors, D.P.C.

Project Manager	Discipline Lead
<b>KEJ</b>	<b>DJP</b>
Designer	Reviewer
<b>KEJ</b>	<b>ECR</b>
Date Issued	Project Number
<b>04/11/2022</b>	<b>12773.59</b>

Sheet Name

**005-DETAILS - 9  
DETAILS III**

Drawing Number





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		

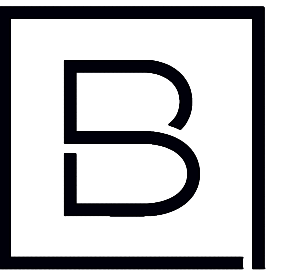
\*OR APPROVED EQUIVALENT

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 6 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. PERMANENT STABILIZATION SHALL BE INSTALLED IMMEDIATELY UPON COMPLETION OF EARTH DISTURBANCE.

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.	
TEMPORARY/PERMANENT SEEDING	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



**BERGMANN**  
ARCHITECTS ENGINEERS PLANNERS

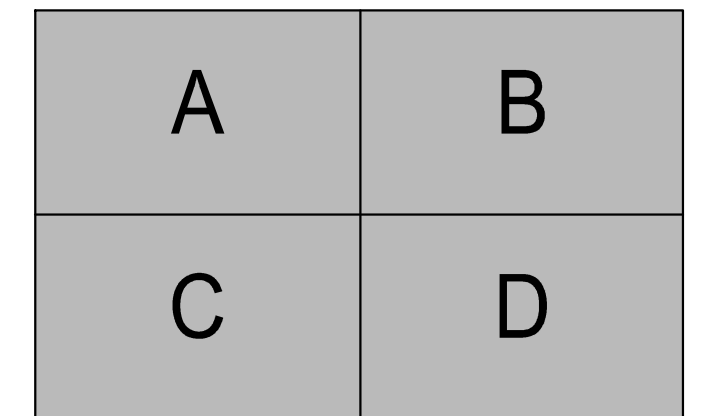
280 East Broad Street, Suite #200  
Rochester, NY 14604  
www.bergmannpc.com  
office: 585.232.5135

**NY AURORA I, LLC. & NY AURORA II, LLC.**

**COMMUNITY SOLAR FARM PROJECT**

637 DAVIS ROAD  
AURORA, NY 14052

Date Revised Description



Key Plan

Copyright © Bergmann Associates, Architects, Engineers, Landscape Architects & Surveyors, D.P.C.

Project Manager	Discipline Lead
<b>KEJ</b>	<b>DJP</b>
Designer	Reviewer
<b>KEJ</b>	<b>ECR</b>
Date Issued	Project Number
<b>04/11/2022</b>	<b>12773.59</b>

Sheet Name

**005-DETAILS - 10  
DETAILS IV**

Drawing Number

