

# **APPENDIX 5-A REVISED**

**Preliminary Design Drawings – Civil Design** 

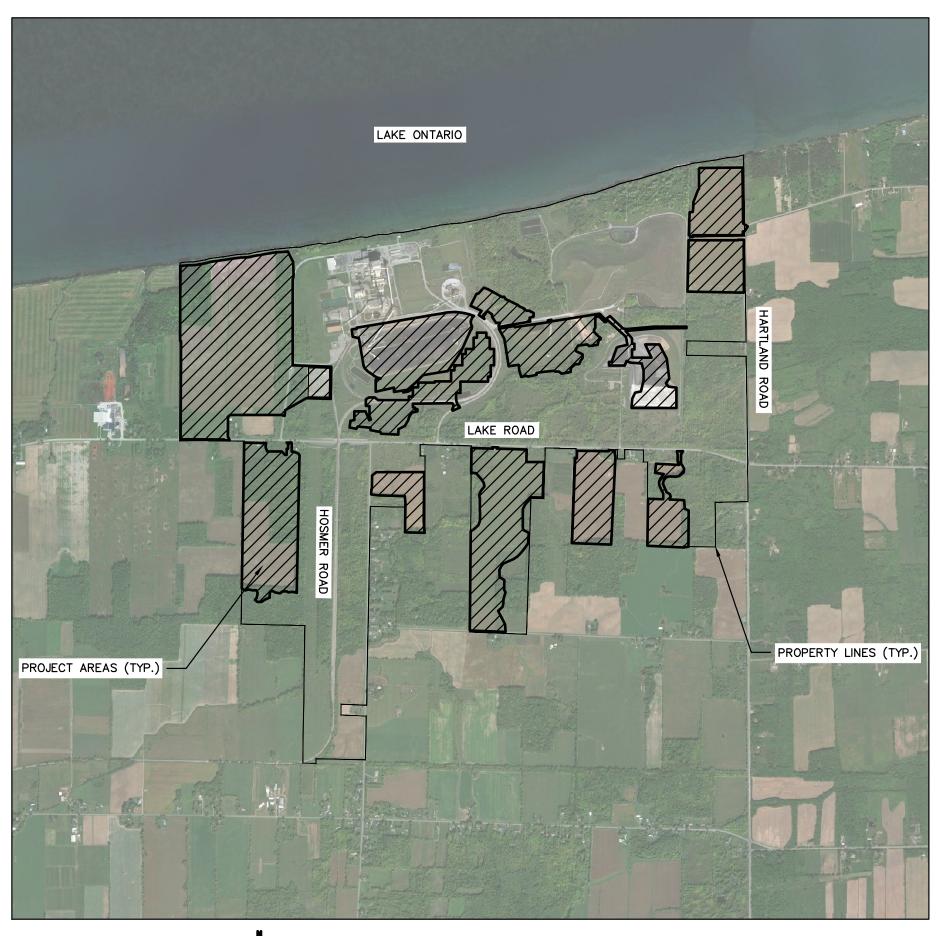


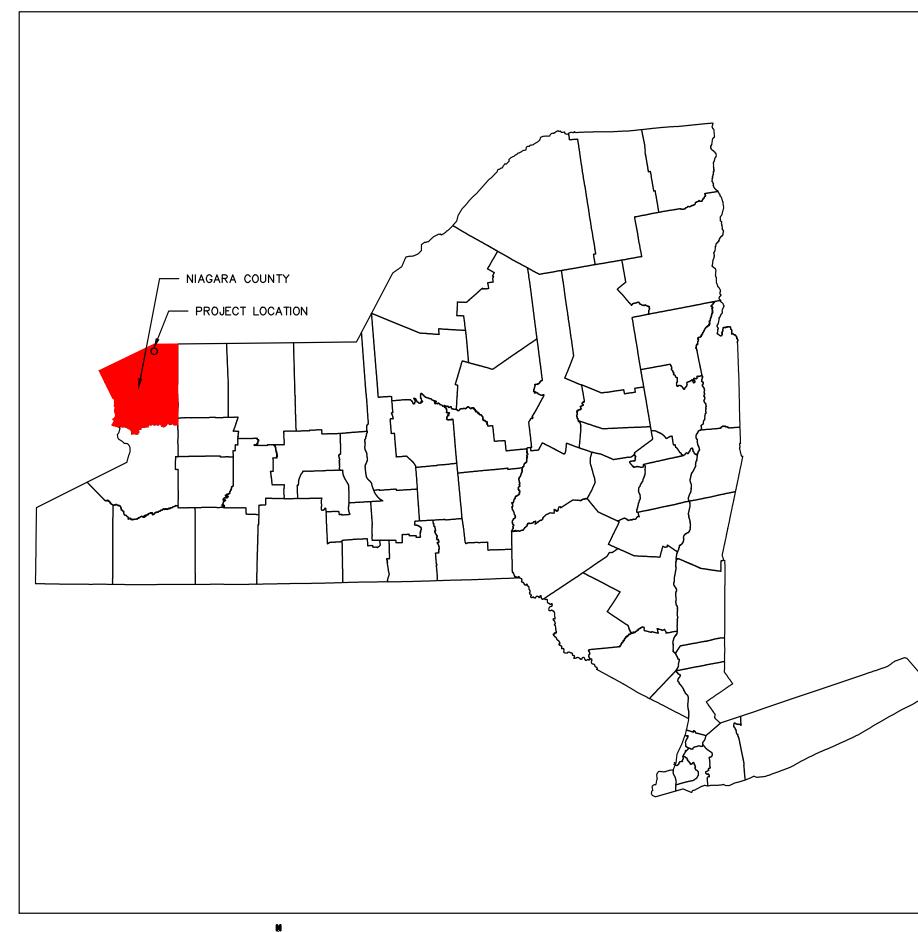


# SOMERSET SOLAR PROJECT

SOMERSET, NIAGARA COUNTY, NY

# CIVIL & STRUCTURAL PLANS





	DRAWING INDEX		
SHEET NUMBER	SHEET TITLE	REV NO.	DATE
PV-C.00.01	CIVIL TITLE SHEET	1	08/11/2023
PV-C.00.02	PROJECT SUMMARY	1	08/11/2023
PV-C.00.03-04	GENERAL NOTES	1	08/11/2023
-	ALTA SURVEY	ı	-
PV-C.01.01-10	EXISTING CONDITIONS & DEMOLITION PLANS	1	08/11/2023
PV-C.02.00	SITE OVERVIEW	1	08/11/2023
PV-C.02.01-10	SITE PLANS	1	08/11/2023
PV-C.03.01-10	GRADING PLANS	1	08/11/2023
PV-C.04.01-10	EROSION & SEDIMENT CONTROL PLANS	1	08/11/2023
PV-C.05.00	LANDSCAPING OVERVIEW	1	08/11/2023
PV-C.05.01-04	LANDSCAPING PLANS	1	08/11/2023
PV-C.06.01-04	ROAD PROFILES	1	08/11/2023
PV-C.07.01-02	ROAD DETAILS	1	08/11/2023
PV-C.07.03	SITE DETAILS	1	08/11/2023
PV-C.08.01-03	EROSION & SEDIMENT CONTROL DETAILS	1	08/11/2023
PV-C.09.01-04	FENCE & GATE DETAILS	1	08/11/2023
PV-C.09.05	GATE SCHEDULE	1	08/11/2023
PV-C.10.01-02	FOUNDATION NOTES	1	08/11/2023
PV-C.10.03-04	FOUNDATION DETAILS	1	08/11/2023
PV-C.10.05	SOUND WALL DETAILS	1	08/11/2023





PROJECT DEVELOPER	<u>P</u>
AES CLEAN ENERGY DEVELOPMENT, LLC	TH
292 MADISON AVENUE, 15TH FLOOR	SV

# PROJECT SCOPE

HIS PERMITTING PACKAGE PROVIDES DRAWINGS AND DETAILS FOR THE INSTALLATION OF A SOLAR PHOTOVOLTAIC SYSTEM IN THE STATE OF NEW YORK, INCLUDING TEMPORARY AND PERMANENT STORMWATER AND EROSION & SEDIMENT CONTROL FEATURES. THIS DRAWING SET IS FOR PERMITTING PURPOSES ONLY AND NOT FOR CONSTRUCTION.

# **CIVIL ENGINEER**

NEW YORK, NY 10017

TETRA TECH ENGINEERING CORPORATION, P.C.

CERT #0018815 3136 SOUTH WINTON RD, SUITE 303 ROCHESTER, NEW YORK 14623 (585) 417-4002

BRIAN SIELSKI, P.E. P.E. No. 084250-1 EXP. 09/30/2023

# **APPLICABLE CODES & STANDARDS**

- NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)
- 2020 FIRE CODE OF NEW YORK STATE
- 2020 BUILDING CODE OF NEW YORK STATE
- 2016 NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL
- 2015 NEW YORK STATE STORMWATER MANAGEMENT DESIGN MANUAL



IRECTION OF A NEW YORK STATE LICENSED PROFESSIONA

KEY PLAN:

**ISSUED FOR 94-C PERMIT** 08/11/2023 | RE-ISSUED FOR 94-C PERM PROJECT TITLE:

> SOMERSET SOLAR **PROJECT**

PROJECT LOCATION:

LAKE ROAD SOMERSET, NY

SHEET TITLE & DESCRIPTION:

CIVIL TITLE SHEET

NOT FOR CONSTRUCTION

SU20.0012 RCD JPP/MAH 08/11/2023 SCALE AT 22" x 34":

AS SHOWN

PV-C.00.01

AREA 1 PROJECT SUMMARY			
OCCUPIED PARCEL NUMBER	7.00-3-28		
OCCUPIED PARCEL ACREAGE	277.4 ACRES		
ZONING CLASSIFICATION	PUD (PLANNED UNIT DEVELOPMENT DISTRICT)		
NON PARTICIPATING RESIDENTIAL PROPERTY LINES SETBACK	100 FT		
CENTERLINE OF PUBLIC ROAD SETBACK	50 FT		
NON PARTICIPATING PROPERTY LINES (NON-RESIDENTIAL) SETBACK	50 FT		
NON PARTICIPATING OCCUPIED RESIDENCES SETBACK	250 FT		
PROJECT AREA	179.8 ACRES		
EASTING/ NORTHING	1139630.70/ 1220300.64		
TREE/BRUSH CUTTING	31.4 ACRES		
ROAD LENGTH	5,572 FT		
PROPOSED PERIMETER FENCE LENGTH	12,682 FT		
SILT FENCE/FILTER SOCK LENGTH	12,281 FT		
CUT VOLUME	+/- 37,000 CY		
FILL VOLUME	+/- 36,000 CY		

AREA 2 PROJECT SUMMARY			
OCCUPIED PARCEL NUMBER	7.00-3-28		
OCCUPIED PARCEL ACREAGE	277.4 ACRES		
ZONING CLASSIFICATION	AGRICULTURAL		
NON PARTICIPATING RESIDENTIAL PROPERTY LINES SETBACK	100 FT		
CENTERLINE OF PUBLIC ROAD SETBACK	50 FT		
NON PARTICIPATING PROPERTY LINES (NON-RESIDENTIAL) SETBACK	50 FT		
NON PARTICIPATING OCCUPIED RESIDENCES SETBACK	250 FT		
PROJECT AREA	74.5 ACRES		
EASTING/ NORTHING	1140932.12/ 1220252.72		
TREE/BRUSH CUTTING	36.0 ACRES		
ROAD LENGTH	2,773 FT		
PROPOSED PERIMETER FENCE LENGTH	8,392 FT		
SILT FENCE/FILTER SOCK LENGTH	6,369 FT		
CUT VOLUME	+/- 8,500 CY		
FILL VOLUME	+/- 6,500 CY		

AREA 3 PROJECT SUMMARY		
OCCUPIED PARCEL NUMBER	8.00-1-1.12	
OCCUPIED PARCEL ACREAGE	36.6 ACRES	
ZONING CLASSIFICATION	AGRICULTURAL	
NON PARTICIPATING RESIDENTIAL PROPERTY LINES SETBACK	100 FT	
CENTERLINE OF PUBLIC ROAD SETBACK	50 FT	
NON PARTICIPATING PROPERTY LINES (NON-RESIDENTIAL) SETBACK	50 FT	
NON PARTICIPATING OCCUPIED RESIDENCES SETBACK	250 FT	
PROJECT AREA	15.9 ACRES	
EASTING/ NORTHING	1142638.49/ 1219224.32	
TREE/BRUSH CUTTING	0.4 ACRES	
ROAD LENGTH	800 FT	
PROPOSED PERIMETER FENCE LENGTH	4,140 FT	
SILT FENCE/FILTER SOCK LENGTH	4,348 FT	
CUT VOLUME	+/- 1,000 CY	
FILL VOLUME	+/- 800 CY	

AREA 4 PROJ	ECT SUMMARY
OCCUPIED PARCEL NUMBER	8.00-1-1.2
OCCUPIED PARCEL ACREAGE	814.4 ACRES
ZONING CLASSIFICATION	AGRICULTURAL
NON PARTICIPATING RESIDENTIAL PROPERTY LINES SETBACK	100 FT
CENTERLINE OF PUBLIC ROAD SETBACK	50 FT
NON PARTICIPATING PROPERTY LINES (NON-RESIDENTIAL) SETBACK	50 FT
NON PARTICIPATING OCCUPIED RESIDENCES SETBACK	250 FT
PROJECT AREA	77.3 ACRES
EASTING/ NORTHING	1145215.07/ 1220156.60
TREE/BRUSH CUTTING	13.1 ACRES
ROAD LENGTH	2,489 FT
PROPOSED PERIMETER FENCE LENGTH	10,558 FT
SILT FENCE/FILTER SOCK LENGTH	9,338 FT
CUT VOLUME	+/- 5,500 CY
FILL VOLUME	+/- 3,500 CY

AREA 5 PROJECT SUMMARY		
OCCUPIED PARCEL NUMBER	8.00-1-1.2	
OCCUPIED PARCEL ACREAGE	814.4 ACRES	
ZONING CLASSIFICATION	AGRICULTURAL	
NON PARTICIPATING RESIDENTIAL PROPERTY LINES SETBACK	100 FT	
CENTERLINE OF PUBLIC ROAD SETBACK	50 FT	
NON PARTICIPATING PROPERTY LINES (NON-RESIDENTIAL) SETBACK	50 FT	
NON PARTICIPATING OCCUPIED RESIDENCES SETBACK	250 FT	
PROJECT AREA	35.3 ACRES	
EASTING/ NORTHING	1147639.14/ 1220093.86	
TREE/BRUSH CUTTING	0.81 ACRES	
ROAD LENGTH	1,975 FT	
PROPOSED PERIMETER FENCE LENGTH	5,417 FT	
SILT FENCE/FILTER SOCK LENGTH	3,613 FT	
CUT VOLUME	+/- 3,200 CY	
FILL VOLUME	+/- 4,000 CY	

AREA 6 PROJECT SUMMARY		
OCCUPIED PARCEL NUMBER	8.00-1-1.2	
OCCUPIED PARCEL ACREAGE	814.4 ACRES	
ZONING CLASSIFICATION	AGRICULTURAL	
NON PARTICIPATING RESIDENTIAL PROPERTY LINES SETBACK	100 FT	
CENTERLINE OF PUBLIC ROAD SETBACK	50 FT	
NON PARTICIPATING PROPERTY LINES (NON-RESIDENTIAL) SETBACK	50 FT	
NON PARTICIPATING OCCUPIED RESIDENCES SETBACK	250 FT	
PROJECT AREA	16.1 ACRES	
EASTING/ NORTHING	1149071.42/ 1220069.12	
TREE/BRUSH CUTTING	2.9 ACRES	
ROAD LENGTH	1,406 FT	
PROPOSED PERIMETER FENCE LENGTH	3,376 FT	
SILT FENCE/FILTER SOCK LENGTH	2,889 FT	
CUT VOLUME	+/- 1,200 CY	
FILL VOLUME	+/- 2,000 CY	

AREA 7 PROJECT SUMMARY			
OCCUPIED PARCEL NUMBER	8.00-1-1.2		
OCCUPIED PARCEL ACREAGE	814.4 ACRES		
ZONING CLASSIFICATION	PUD (PLANNED UNIT DEVELOPMENT DISTRICT)		
NON PARTICIPATING RESIDENTIAL PROPERTY LINES SETBACK	100 FT		
CENTERLINE OF PUBLIC ROAD SETBACK	50 FT		
NON PARTICIPATING PROPERTY LINES (NON-RESIDENTIAL) SETBACK	50 FT		
NON PARTICIPATING OCCUPIED RESIDENCES SETBACK	250 FT		
PROJECT AREA	61.8 ACRES		
EASTING/ NORTHING	1150414.83/ 1223437.06		
TREE/BRUSH CUTTING	1.2 ACRES		
ROAD LENGTH	2,122 FT		
PROPOSED PERIMETER FENCE LENGTH	6,922 FT		
SILT FENCE/FILTER SOCK LENGTH	6,905 FT		
CUT VOLUME	+/- 6,000 CY		
FILL VOLUME	+/- 4,000 CY		

AREA 8 PROJECT SUMMARY			
OCCUPIED PARCEL NUMBER	8.00-1-1.11		
OCCUPIED PARCEL ACREAGE	620.0 ACRES		
ZONING CLASSIFICATION	PUD (PLANNED UNIT DEVELOPMENT DISTRICT)		
NON PARTICIPATING RESIDENTIAL PROPERTY LINES SETBACK	100 FT		
CENTERLINE OF PUBLIC ROAD SETBACK	50 FT		
NON PARTICIPATING PROPERTY LINES (NON-RESIDENTIAL) SETBACK	50 FT		
NON PARTICIPATING OCCUPIED RESIDENCES SETBACK	250 FT		
PROJECT AREA	171.0 ACRES		
EASTING/ NORTHING	1144396.51/ 1220965.88		
TREE/BRUSH CUTTING	2.5 ACRES		
ROAD LENGTH	7,851 FT		
PROPOSED PERIMETER FENCE LENGTH	2,265 FT		
SILT FENCE/FILTER SOCK LENGTH	21,701 FT		
CUT VOLUME	+/- 60,000 CY		
FILL VOLUME	+/- 37,000 CY		

AREA 9 PROJ	ECT SUMMARY
OCCUPIED PARCEL NUMBER	8.00-1-1.2
OCCUPIED PARCEL ACREAGE	814.4 ACRES
ZONING CLASSIFICATION	PUD (PLANNED UNIT DEVELOPMENT DISTRICT)
NON PARTICIPATING RESIDENTIAL PROPERTY LINES SETBACK	100 FT
CENTERLINE OF PUBLIC ROAD SETBACK	50 FT
NON PARTICIPATING PROPERTY LINES (NON-RESIDENTIAL) SETBACK	50 FT
NON PARTICIPATING OCCUPIED RESIDENCES SETBACK	250 FT
PROJECT AREA	78.3 ACRES
EASTING/ NORTHING	1147407.73/ 1222981.72
TREE/BRUSH CUTTING	0.0 ACRES
ROAD LENGTH	468 FT
PROPOSED PERIMETER FENCE LENGTH	1,987 FT
SILT FENCE/FILTER SOCK LENGTH	4,992 FT
CUT VOLUME	0 CY
FILL VOLUME	+/- 84 CY

AREA 10 PROJECT SUMMARY	
OCCUPIED PARCEL NUMBER	8.00-1-1.2
OCCUPIED PARCEL ACREAGE	814.4 ACRES
ZONING CLASSIFICATION	PUD (PLANNED UNIT DEVELOPMENT DISTRICT)
NON PARTICIPATING RESIDENTIAL PROPERTY LINES SETBACK	100 FT
CENTERLINE OF PUBLIC ROAD SETBACK	50 FT
NON PARTICIPATING PROPERTY LINES (NON-RESIDENTIAL) SETBACK	50 FT
NON PARTICIPATING OCCUPIED RESIDENCES SETBACK	250 FT
PROJECT AREA	63.8 ACRES
EASTING/ NORTHING	1145587.09/ 1222675.86
TREE/BRUSH CUTTING	4.3 ACRES
ROAD LENGTH	1,539 FT
PROPOSED PERIMETER FENCE LENGTH	3,740 FT
SILT FENCE/FILTER SOCK LENGTH	7,534 FT
CUT VOLUME	+/- 9,200 CY
FILL VOLUME	+/- 6,800 CY

# **GENERAL NOTES:**

- EXISTING CONDITIONS SURVEY DATA IS DATED 4/23/2021 AND WAS PROVIDED BY MCINTOSH & MCINTOSH. THIS DATA WAS REFERENCED HORIZONTALLY TO THE NORTH AMERICAN DATUM OF 1983 (NAD 83) AND VERTICALLY TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
- 2. RIGHTS, EASEMENTS AND INSTRUMENTS, IF ANY, FOR UTILITY POLES, WIRES, LINES, GUY WIRES, AND SIMILAR INSTALLATIONS, TOGETHER WITH SUCH RIGHTS AS MAY EXIST TO OPERATE, MAINTAIN AND REPAIR THE SAME.
- 3. WETLAND DELINEATION PERFORMED BY TETRA TECH IN MAY 2021.
- 4. ZONING INFORMATION OBTAINED FROM THE TOWN OF SOMERSET COMPREHENSIVE EXISTING ZONING PLAN DATED FEBRUARY, 2012.
- 5. PARCEL DATA OBTAINED FROM THE NIAGARA COUNTY GIS ONLINE PARCEL VIEWER. HTTPS://NIAGARA—COUNTY.MAPS.ARCGIS.COM/APPS/WEBAPPVIEWER/INDEX.HTML?ID=B5BE67CF0E05477E8F4AD3161AB51422
- 6. SEE SHEET PV-C.02.00 FOR AREA LOCATIONS.

OVERALL PROJECT SUMMARY	
OCCUPIED PARCEL NUMBERS	7.00-3-28, 8.00-1-1.2, 8.00-1-1.12, 8.00-1-1.11
TOTAL OCCUPIED PARCEL ACREAGE	1748.4 ACRES
ZONING CLASSIFICATIONS	AGRICULTURAL/PUD (PLANNED UNIT DEVELOPMENT DISTRICT)
NON PARTICIPATING RESIDENTIAL PROPERTY LINES SETBACK	100 FT
CENTERLINE OF PUBLIC ROAD SETBACK	50 FT
NON PARTICIPATING PROPERTY LINES (NON-RESIDENTIAL) SETBACK	50 FT
NON PARTICIPATING OCCUPIED RESIDENCES SETBACK	250 FT
PROJECT AREA	773.8 ACRES
TREE/BRUSH CUTTING	92.3 ACRES
ROAD LENGTH	26,995 FT
PROPOSED PERIMETER FENCE LENGTH	59,479 FT
SILT FENCE/FILTER SOCK LENGTH	79,970 FT
CUT VOLUME	+/- 133,000 CY
FILL VOLUME	+/- 110,000 CY





IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW, ARTICLE 145, FOR ANY PERSON, UNLESS UNDER THE DIRECTION OF A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER, TO ALTER AN ITEM ON THIS DOCUMENT IN ANY WAY.

KEY PLAN:

REVISIONS:

NO. DATE DESCRIPTION

0 03/03/2023 ISSUED FOR 94-C PERMIT

1 08/11/2023 RE-ISSUED FOR 94-C PERMIT

PROJECT TITLE:

SOMERSET SOLAR PROJECT

PROJECT LOCATION:

LAKE ROAD SOMERSET, NY

SHEET TITLE & DESCRIPTION:

PROJECT SUMMARY

ISSUED FOR 94-C PERMIT ONLY
NOT FOR CONSTRUCTION

PROJ SU20.0012

DES: RCD

DWN: RCD

CHK: JPP/MAH

APV: BMS

DATE: 08/11/2023

SCALE AT 22" x 34":

AS SHOWN

PV-C.00.02

### **GENERAL NOTES:**

- . PROPOSED ELECTRICAL ITEMS SHOWN HEREON ARE FOR REFERENCE ONLY. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL COMPONENT PLACEMENT AND SPECIFICATIONS.
- 2. THE EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE, AND UTILITY LINES MAY EXIST WHERE NONE ARE SHOWN. SOME INFORMATION MAY HAVE BEEN DERIVED FROM INFORMATION PROVIDED TO THE ENGINEER BY OTHERS. SUCH INFORMATION MAY BE INCOMPLETE OR OBSOLETE BY THE TIME CONSTRUCTION COMMENCES.
- 3. CONTACT DIG SAFELY NEW YORK AT (800) 962-7962 AND ANY NON-PARTICIPATING UTILITY COMPANIES AT LEAST 2 WORKING DAYS BEFORE CONSTRUCTION. EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF PERTINENT UTILITIES, AND OTHER EXISTING FEATURES IN OR NEAR THE AREA OF WORK, WHETHER INDICATED ON THESE DRAWINGS OR NOT. SHOULD A CONFLICT EXIST, NOTIFY THE ENGINEER AS SOON AS POSSIBLE. EXERCISE DUE CARE TO AVOID DISTURBING ANY UNDERGROUND UTILITIES. COORDINATE ANY POTENTIAL DISRUPTION IN UTILITY SERVICE WITH THE UTILITY COMPANIES AFFECTED AT LEAST 24 HOURS PRIOR TO DISRUPTION. REPAIR DAMAGE TO EXISTING UTILITIES AT CONTRACTOR'S EXPENSE.
- 4. DO NOT ERECT ANY IMPROVEMENTS, FENCES, PLANTINGS, ETC., WITHIN ANY PUBLIC RIGHT OF WAY.
- 5. PERFORM ALL WORK IN ACCORDANCE WITH SECTION 202-H OF THE PROPOSED NEW YORK STATE LABOR LAW (CODE RULE 57) KNOWN AS THE "HIGH-VOLTAGE PROXIMITY ACT".
- 6. BE RESPONSIBLE FOR ALL PERMITS AND APPROVALS FOR CONSTRUCTION ACTIVITIES THAT OCCUR OFF-SITE OR WITHIN EXISTING EASEMENT OR RIGHT-OF-WAY AREAS.
- 7. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATION TO CONSTRUCTION DETAILS AND WORK QUANTITIES. VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, ELEVATIONS, ETC., IN FIELD AND NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION OR SHOP DRAWINGS.
- 8. COORDINATE THE CONSTRUCTION SCHEDULE AND WORK OF ALL DISCIPLINES (ELECTRICAL, SITE WORK, STRUCTURAL, ETC.) AROUND EXISTING CONDITIONS AND SPECIAL REQUIREMENTS.
- 9. EXCAVATED MATERIAL MAY BE REUSED UPON APPROVAL BY THE OWNER'S REPRESENTATIVE.
- 10. OBSERVE ALL OSHA AND OTHER APPLICABLE SAFETY REQUIREMENTS INCLUDING THE USE OF SAFETY GLASSES, HARD HATS, AND PROTECTION OF AREA WHEN WORKING OVERHEAD. BE RESPONSIBLE FOR CONSTRUCTION SAFETY AT ALL TIMES.
- 11. DESIGN AND PROVIDE ANY TEMPORARY SHORING, BRACING, ETC., AS NEEDED FOR THE WORK SO AS NOT TO ENDANGER OR DAMAGE ANY EXISTING STRUCTURAL APPURTENANCES/STRUCTURAL COMPONENTS, OR INSTALLED STRUCTURES/SYSTEMS.
- 12. BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, AND CARRY OUT THE WORK IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS. OWNER AND ENGINEER SHALL NOT BE RESPONSIBLE FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS, THEIR AGENTS OR EMPLOYEES, OR ANY OTHER PERSONS
- 13. FOLLOW GUIDANCE AND RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT AND STORMWATER POLLUTION PREVENTION PLAN.
- 14. CONTACT THE ENGINEER IF THERE IS ANY CONFLICT BETWEEN THE CONSTRUCTION DOCUMENTS.
- 15. BE RESPONSIBLE FOR OBTAINING ALL PERMITS ASSOCIATED WITH WORKING IN THE WETLAND BUFFER AND ROAD RIGHT-OF-WAY.
- 16. PROVIDE APPROPRIATE FLAGGING AND/OR SIGNAGE DURING CONSTRUCTION AND LONG-TERM MAINTENANCE PER NYSDOT REQUIREMENTS.
- 17. THE ACCESS ROAD MAY BE USED DURING CONSTRUCTION. HOWEVER, NOTE THAT ITS DESIGN IS NOT INTENDED FOR CONSTRUCTION TRAFFIC/EQUIPMENT. AS SUCH, THE ENGINEER AND OWNER WILL NOT BE RESPONSIBLE FOR ANY DAMAGE SUSTAINED FROM THE ROAD'S USE DURING CONSTRUCTION.
- 18. IN ALL AREAS WHERE CULVERTS ARE BEING PROPOSED, REMOVE EXISTING PIPE AND END SECTIONS (IF APPLICABLE) AND REPLACE WITH NEW PIPE. SEE CULVERT SCHEDULES FOR SIZES AND MATERIALS.
- 19. BLASTING IS PROHIBITED.
- 20. NYSDEC COSTAL EROSION LINES, NATURAL PROTECTIVE FEATURE AREA AND STRUCTURAL HAZARD AREA, WERE TRACED FROM IMAGES 205-806-79, 207-806-79, AND 209-806-79 OF THE NYSDEC COASTAL EROSION HAZARD AREA MAPS FOR THE TOWN OF SOMERSET IN NIAGARA COUNTY, NEW YORK, SHEETS 1-3 OF 8, DATED 12/27/1988, PROVIDED BY THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF WATER. AVAILABLE ONLINE AT: HTTPS://WWW.DEC.NY.GOV/FS/PROJECTS/COASTAL/. THE AFOREMENTIONED MAPS REFERENCED FOR THIS DRAWING SET WERE ACCESSED ON JUNE 27, 2023.

## PRESERVATION AND AVOIDANCE MEASURES:

- 1. A PRECONSTRUCTION MEETING WITH THE CONSTRUCTION CONTRACTOR(S) IS REQUIRED IN ORDER TO NOTIFY THOSE IN CHARGE OF THE REQUIREMENTS TO PROTECT AND AVOID THE ARCHEOLOGICAL SITE(S). TEMPORARY AND PERMANENT FENCING SHALL BE INSTALLED TO PROTECT THESE SENSITIVE AREAS, AS CALLED OUT ON THE SITE PLANS.
- 2. INADVERTENT CONSTRUCTION IMPACTS ARE TO BE REPORTED TO THE SHPO IMMEDIATELY. ACTIVITY IN THE VICINITY OF THE SITE SHALL CEASE, SO THE DAMAGE CAN BE ASSESSED, AND A RECOMMENDATION PROVIDED TO REMEDIATE THE
- 3. IF HUMAN REMAINS ARE ENCOUNTERED DURING CONSTRUCTION, ALL WORK MUST STOP IN THE VICINITY OF THE FIND AND BE REPORTED TO THE SHPO, AS STIPULATED IN THE SHPO/OPRHP HUMAN REMAINS DISCOVERY PROTOCOL (JANUARY 2021) AND HAUDENOSAUNEE PROTOCOL FOR HANDLING DISCOVERY OF HUMAN REMAINS.
- 4. ESTABLISHMENT OF A 50 FOOT BUFFER AROUND EACH SITE AND THE ERECTION OR A TEMPORARY FENCING SHALL BE INSTALLED AROUND THE BOUNDARIES OF THE AVOIDANCE AREA PRIOR TO ANY CLEARING OR CONSTRUCTION ACTIVITIES WITHIN THE AREA OF POTENTIAL EFFECTS (APE) AND SHALL BE MAINTAINED UNTIL ALL CONSTRUCTION HAS CEASED. AFTER CONSTRUCTION IS FULLY COMPLETE, PROTÈCTIVE FENCES MAY BE REMOVED.

# **EXISTING CONDITIONS & SURVEY**

- 1. EXISTING CONDITIONS SURVEY DATA IS DATED 4/23/2021 AND WAS PROVIDED BY MCINTOSH & MCINTOSH. THIS DATA WAS REFERENCED HORIZONTALLY TO THE NORTH AMERICAN DATUM OF 1983 (NAD 83) AND VERTICALLY TO THE NORTH AMERICAN VERTICAL DATAM OF 1988 (NAVD 88).
- 2. WETLAND DELINEATION PERFORMED BY TETRA TECH IN MAY 2021.
- 3. THE PROPERTY DESCRIBED IN THE SURVEY LIES WITHIN ZONES AE AND X PANELS 36063C0101F/102F (EFFECTIVE 5/4/2021) AND 36063C0103E/104E (EFFECTIVE 9/17/2010) OF THE FLOOD INSURANCE RATE MAP.
- 4. AT THE TIME OF THE ALTA SURVEY THERE WAS NO OBSERVABLE EVIDENCE OF EARTH MOVING WORK AND BUILDING
- 5. AT THE TIME OF THE ALTA SURVEY, INFORMATION FROM THE CONTROLLING JURISDICTION AND OBSERVERABLE EVIDENCE OF RECENT STREET/SIDEWALK CONSTRUCTION INDICATED THAT THERE WERE NO PROPOSED OR COMPLETED CHANGES TO THE STREET RIGHT-OF-WAY LINES.
- 6. FIELD VERIFY ALL EXISTING CULVERT LOCATIONS AND ASSOCIATED STORM LINES, CATCH BASINS, MAN HOLES, ETC.
- 7. FIELD VERIFY LOCATIONS OF EXISTING ACTIVE WELLS AS ALL LOCATIONS DEPICTED ARE APPROXIMATE AND NOT PART OF ORIGINAL ALTA SURVEY. INSTALL TEMPORARY FENCING DURING CONSTRUCTION 5' FROM WELLS AND MAINTAIN 5' MIN. RADIUS MEASURED FROM EDGE OF CASING.
- 8. EXISTING FENCE DETAILS SUCH AS HEIGHT, MATERIAL, AND CONDITION ARE UNKNOWN AND WILL NEED TO BE REVIEWED TO DETERMINE IF THEY ARE SUITABLE TO TIE-IN TO PROPOSED FENCES.

# TREE CLEARING/ DEMOLITION NOTES

- PERFORM MINOR TREE CLEARING IN AREAS NEEDED FOR UNDERGROUND ELECTRIC RUNS/TRENCHES. MINIMIZE SOIL DISTURBANCE TO THE MAXIMUM EXTENT PRACTICABLE. ADDITIONAL MEASURE SUCH AS TIMBER MATTING MAY BE USED IN MORE SENSITIVE AREAS.
- TREE CLEARING/ GRUBBING REFERS TO THE REMOVAL AND DISPOSAL OF ALL VEGETATION INCLUDING ROOT SYSTEMS WHILE SELECTIVE TREE CLEARING IS THE PLANNED REMOVAL OF TREES, SHRUBS, AND PLANTS USING SPECIFIC METHODS TO LIMIT IMPACT TO SENSITIVE AREAS. VEGETATION CLEARED IN THIS AREA SHOULD NOT DISTURB THE SUBSTRATE. LEAVE STUMPS IN
- CONDUCT TREE CLEARING WITHIN JURISDICTIONAL WETLANDS WITH HAND TOOLS ONLY. NO LARGE EQUIPMENT IS TO DISTURB WETLAND SUBSTRATE. NO GRUBBING/STUMP GRINDING WITHIN WETLAND BOUNDARY. ALL CUT BRUSH AND TREES NEED TO BE REMOVED FROM THE WETLAND BOUNDARY.
- 4. NO ACTIVITIES PERMITTED INSIDE SENSITIVE AREA BUFFERS WITH THE EXCEPTION OF SELECTIVE TREE CLEARING.
- 5. ALL EXISTING STORMWATER BASINS TO REMAIN.
- 6. REFER TO WILDLIFE PRESERVATION NOTES FOR TIME OF YEAR DEPENDENT TREE CLEARING PROCEDURES.

### PROJECT CONSTRUCTION SEQUENCING NOTES:

- 1. PRIOR TO CONSTRUCTING TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES, A PRE-CONSTRUCTION MEETING MUST COMMENCE IN ACCORDANCE TO SPDES REGULATIONS.
- 2. PRIOR TO COMMENCING ANY CLEARING, GRUBBING, EARTHWORK ACTIVITIES, ETC. AT THE SITE, FLAG THE WORK LIMITS AND INSTALL ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES (I.E., SILT FENCES. TREE PROTECTION/BARRIER FENCES. STABILIZED CONSTRUCTION ENTRANCES. STORM DRAIN SEDIMENT FILTERS, DRAINAGE DITCH SEDIMENT FILTERS, ETC.) INDICATED ON THE PROJECT DRAWINGS. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MUST BE CONSTRUCTED. STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THEIR TRIBUTARY AREAS.
- 3. PRIOR TO COMMENCING CLEARING, GRUBBING AND/OR EARTHWORK ACTIVITIES IN ANY OTHER AREA OF THE SITE, INSTALL INLET AND OUTLET PROTECTION MEASURES (I.E. RIPRAP OVERFLOW WEIR(S), CULVERT INLET/OUTLET PROTECTION, ETC.) AND STABILIZE THE AREAS DISTURBED DURING THE CONSTRUCTION OF SEDIMENT CONTROL FEATURES.
- 4. INSTALL TEMPORARY DIVERSION MEASURES WITH ASSOCIATED STABILIZATION MEASURES (I.E. VEGETATIVE COVER, DRAINAGE DITCH SEDIMENT FILTERS, STORM DRAIN SEDIMENT FILTERS, ETC.) PRIOR TO CONSTRUCTION.
- 5. LOCATE TEMPORARY DIVERSION MEASURES IN A MANNER THAT WILL ASSURE THAT THE AREA TRIBUTARY TO EACH DIVERSION DOES NOT EXCEED 5 ACRES. INSPECT THESE TEMPORARY DIVERSION MEASURES DAILY AND REPAIR/STABILIZE AS NECESSARY TO MINIMIZE EROSION.
- 6. COMMENCE SITE CONSTRUCTION ACTIVITIES AS REQUIRED.
- 7. IMMEDIATELY ESTABLISH PERMANENT VEGETATION TO ALL EXPOSED SOILS AT ANY PORTION OF THE SITE WHERE CONSTRUCTION ACTIVITIES ARE COMPLETED OR SUSPENDED.
- 8. RESTORE SOILS THAT HAVE BEEN DISTURBED AND COMPACTED DUE TO CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH THE PROJECT SWPPP (WHICH INCLUDES DE-COMPACTION, COMPOST ADDITION AND TOPSOIL PLACEMENT TO FILTER STRIPS AND ANY OTHER STORMWATER MANAGEMENT PRACTICES).
- 8. UPON ESTABLISHMENT OF PERMANENT VEGETATIVE COVER ON ALL DISTURBED AREAS OF THE SITE, REMOVE THE CONSTRUCTION FABRIC FROM THE PRIMARY INLET OF THE OUTLET CONTROL STRUCTURE. THIS SHALL ONLY BE DONE WHEN THE PRIMARY OUTLET IS NO LONGER SUBMERGED.
- 9. REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AND IMMEDIATELY ESTABLISH PERMANENT VEGETATION ON THE AREAS DISTURBED DURING THEIR REMOVAL.

### **EROSION & SEDIMENT CONTROL NOTES**

- 1. CONDUCT SOIL DISTURBANCE IN SUCH A MANNER AS TO MINIMIZE EROSION, CONSIDER THE TIME OF YEAR, SITE CONDITIONS, AND THE TEMPORARY OR PERMANENT MEASURES FOR SOIL STABILIZATION.
- 2. CONSTRUCT SOIL EROSION AND SEDIMENT CONTROL FEATURES PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
- 3. STABILIZE DISTURBED AREAS WITH TEMPORARY OR PERMANENT MEASURES WITHIN 14 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR REDISTURBANCE.
- 4. STABILIZE AREAS OR EMBANKMENTS HAVING SLOPES GREATER THAN OR EQUAL TO 3 HORIZONTAL: 1 VERTICAL WITH EROSION CONTROL BLANKET IN COMBINATION WITH SEEDING.
- 5. STABILIZE CONSTRUCTION DITCHES WITH EROSION CONTROL BLANKET IN COMBINATION WITH SEEDING.
- 6. LOCATE A STABILIZED CONSTRUCTION ENTRANCE AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC RIGHT-OF-WAY, STREET, OR PARKING AREA. REMOVE SEDIMENT/SOIL ACCUMULATING AT THE PUBLIC RIGHT-OF-WAY, STREET, OR PARKING AREA AS NEEDED THROUGH SCRAPING OR STREET CLEANING. TRANSPORT THIS MATERIAL TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- 7. ERECT SILT FENCE AROUND TEMPORARY SOIL STOCKPILES.
- 8. DO NOT LOCATE SOIL STOCKPILES IN A FLOOD PRONE AREA OR A DESIGNATED BUFFER PROTECTING WATERS OF THE UNITED STATES.
- 9. IF DEWATERING SERVICES ARE USED, PROTECT ADJOINING PROPERTIES AND DISCHARGE LOCATIONS FROM EROSION. ROUTE DISCHARGES THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE SUCH AS A SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURE.
- 10. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE SWPPP INSPECTOR, ENGINEER OR
- 11. INSPECT AND MAINTAIN ALL TEMPORARY AND PERMANENT SEDIMENT AND EROSION CONTROL MEASURES AS NEEDED AND IN ACCORDANCE WITH THE NYSDEC SPDES GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITY, GP-0-20-001 OR LATEST VERSION APPLICABLE, IN THE SWPPP.
- 12. IF WORK IS REQUIRED IN THE WETLANDS, PLACE TEMPORARY TIMBER MATTING FOR LIGHT DUTY VEHICLES TO MINIMIZE DISTURBANCE.
- 13. CONTRACTOR MAY ADJUST THE LOCATIONS OF SOIL STOCKPILE AND CONCRETE WASHOUT AREAS BASED ON FIELD CONDITIONS. SOIL STOCKPILES AND CONCRETE WASHOUTS CANNOT BE LOCATED ADJACENT TO WETLANDS OR IN DRAINAGE DITCHES.
- 14. ADDITIONAL TEMPORARY MEASURES SUCH AS DIVERSION DITCHES, SEDIMENT TRAPS ETC. MAY BE NEEDED DURING CONSTRUCTION. ALL TEMPORARY MEASURES MUST FOLLOW GUIDANCE OUTLINED IN THE NYSDEC STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (2016 OR

# MULCHING

# INSTALLATION:

- APPLY MULCH ON ALL SEEDING. MULCH WILL REDUCE EROSION BEFORE GRASS IS ESTABLISHED AND PROMOTE FASTER AND EARLIER ESTABLISHMENT. THE EXISTENCE OF VEGETATION SUFFICIENT TO CONTROL SOIL EROSION SHALL BE DEEMED IN COMPLIANCE WITH THIS MULCHING REQUIREMENT BY THE SWPPP INSPECTOR.
- 2. SPREAD STRAW OR HAY MULCH UNIFORMLY BY HAND OR MECHANICALLY SO THAT APPROXIMATELY 75% TO 95% OF THE SOIL SURFACE WILL BE COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO 1,000 SQ FT SECTIONS AND DISTRIBUTE AT LEAST 90 POUNDS WITHIN EACH SECTION.
- 3. ANCHOR STRAW OR HAY MULCH IMMEDIATELY AFTER PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. APPLY MULCH HEAVIER AT EDGES WHERE WIND CATCHES THE MULCH, IN VALLEYS, AND AT CRESTS OF BANKS. APPLY MULCH UNIFORMLY OVER REMAINING AREA.

# **PRODUCTS**

1. APPLY WOOD FIBER CELLULOSE WITH A HYDROMULCHER AT 2,000 LBS PER ACRE (50 LBS PER 1,000 SQ FT) OR UNROTTED SMALL-GRAIN STRAW, HAY FREE OF SEEDS, OR SALT HAY WITH

# WINTER STABILIZATION:

WINTER STABILIZATION SHALL APPLY TO ALL CONSTRUCTION ACTIVITIES INVOLVED WITH ONGOING LAND DISTURBANCE AND EXPOSURE BETWEEN NOVEMBER 15TH TO THE FOLLOWING APRIL 1ST.

DRILLING METHOD AT 2 TONS PER ACRE (90 TO 100 LBS PER 1,000 SQ FT).

- 2. MAINTAIN AN AREA FOR ADEQUATE STORAGE FOR SNOW AND CONTROL OF MELT WATER. STORE
- CLEARED SNOW IN A MANNER THAT WILL NOT AFFECT ONGOING CONSTRUCTION ACTIVITIES.
- 3. MAINTAIN A MINIMUM 25-FT BUFFER FROM ALL PERIMETER CONTROLS. MARK SILT FENCE WITH TALL STAKES THAT ARE VISIBLE ABOVE THE SNOW PACK.
- 4. EDGES OF DISTURBED AREAS THAT DRAIN TO A WATERBODY WITHIN 100 FT SHALL HAVE 2 ROWS OF SILT FENCE, INSTALLED 5 FT APART ALONG THE CONTOUR. 5. KEEP DRAINAGE STRUCTURES OPEN AND FREE OF SNOW AND ICE DAMS. REMOVE ALL DEBRIS, ICE
- DAMS, OR DEBRIS FROM PLOWING OPERATIONS THAT RESTRICT THE FLOW OF RUNOFF AND 6. IN AREAS WHERE SOIL DISTURBANCE ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED. INITIATE SOIL STABILIZATION MEASURES BY THE END OF THE NEXT BUSINESS DAY AND COMPLETE
- 7. STABILIZE AREAS OF DISTURBED SOIL AT THE END OF EACH DAY UNLESS WORK WILL RESUME WITHIN 24 HOURS IN THE SAME AREA AND NO PRECIPITATION IS FORECASTED OR THE WORK IS IN DISTURBED AREAS THAT COLLECT AND RETAIN RUNOFF.

WITHIN 3 DAYS. USE ROLLED EROSION CONTROL BLANKETS ON ALL SLOPES 3 HORIZONTAL TO 1

# **VEGETATIVE COVER SPECIFICATIONS:**

# SITE PREPARATION:

- . INSTALL WATER AND EROSION CONTROL MEASURES.

2. PREPARE SEEDBED BY LOOSENING SOIL TO A DEPTH OF 4 TO 6 IN.

- 3. WHERE GRADED, BRING AREAS TO BE SEEDED TO DESIRED GRADES USING A MINIMUM
- OF 4 IN OF TOPSOIL. 4. ADD LIME TO ADJUST SOIL TO A PH OF 6.5 PER SOIL TESTING RESULTS.
- FERTILIZE AS PER SOIL TEST, OR, IF FERTILIZER MUST BE APPLIED BEFORE SOIL TEST RESULTS ARE RECEIVED, APPLY 850 LBS OF 5-10-10 OR EQUIVALENT PER ACRE (20 LBS PER 1,000 SQ FT).
- INCORPORATE LIME AND FERTILIZER IN TOP 2-4 IN OF TOPSOIL PER SOIL TESTING
- 7. SMOOTH. REMOVE LARGE STONES, STICKS AND FOREIGN MATTER FROM THE SURFACE.
- 8. CONDUCT SOIL TESTING AFTER EACH GROWING SEASON.

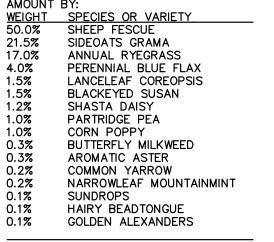
# TEMPORARY VEGETATIVE COVER (DURING CONSTRUCTION):

- SPRING OR SUMMER OR EARLY FALL, SEED WITH ANNUAL OR PERENNIAL RYEGRASS AT A RATE OF 30 LBS. PER ACRE (APPROX. 1 LBS/1,000 SQ FT).
- 2. LATE FALL OR EARLY WINTER, SEED WITH "AROOSTOOK" WINTER RYE (CEREAL RYE) AT A RATE OF 100 LBS PER ACRE (APPROX. 2.5 LBS/1,000 SQ FT)

### PERMANENT VEGETATIVE COVER (AFTER CONSTRUCTION):

PROVIDE FRESH, CLEAN, NEW-CROP SEED MIXED IN THE PROPORTIONS SPECIFIED FOR SPECIES AND VARIETY, AND CONFORMING TO FEDERAL AND STATE STANDARDS. PROVIDE THE FOLLOWING MIXTURES:

# ARRAY/AREA MIX: LOW -GROWING WILDFLOWER AND GRASS MIX AMOUNT BY:



SEED MIX IS SUBJECT TO CHANGE BASED ON CURRENT SEED AVAILABILITY AND SITE CONDITIONS. ANY SEED MIX CHANGES MUST BE APPROVED BY OWNER PRIOR TO USE

- . APPLY SEED MIX AT 20-40 LBS PER ACRE AS PER MANUFACTURER SPECIFICATIONS.
- TIME OF SEEDING: OPTIMUM TIMING OF SEEDING IS EARLY SPRING. LATE JUNE THROUGH EARLY AUGUST IS NOT A GOOD TIME TO SEED, BUT MAY FACILITATE COVERING THE LAND WITHOUT ADDITIONAL DISTURBANCE IF CONSTRUCTION IS COMPLETE. PORTIONS OF THE SEEDING MAY FAIL DUE TO DROUGHT AND HEAT. RESEED THESE AREAS IN LATE SUMMER OR FALL OR THE FOLLOWING SPRING TO SATISFACTION OF OWNER AND ENGINEER.
- ESTABLISH VEGETATION ON ALL DISTURBED AREAS INCLUDING BUT NOT LIMITED TO: TEMPORARY LAYDOWN AREAS, SCREENING AREAS, INTER ARRAY AREAS, AND GRADING AREAS. CONDUCT SOIL RESTORATION AS NEEDED IN CONFORMANCE WITH THE SWPPP TO ENSURE UNIFORM VEGETATION ESTABLISHMENT.

# **LANDSCAPING PLANTING NOTES:**

HOW TO PROCEED.

- REFER TO THE GRADING PLAN FOR GRADING INFORMATION. IF ACTUAL SITE CONDITIONS VARY FROM WHAT IS SHOWN ON THE PLANS OR IF THERE ARE DISCREPANCIES BETWEEN THE PLANS, CONTACT THE ENGINEER FOR DIRECTION AS TO
- VERIFY LOCATION OF PERTINENT SITE FEATURES. IF ANY PART OF THIS PLAN CANNOT BE FOLLOWED DUE TO SITE CONDITIONS, CONTACT ENGINEER FOR INSTRUCTIONS PRIOR TO COMMENCING WORK.
- 5. EXACT LOCATION OF PLANT MATERIALS WILL BE APPROVED BY ENGINEER PRIOR TO INSTALLATION.
- VERIFY PLANT COUNTS AND SQUARE FOOTAGES; QUANTITIES ARE PROVIDED AS OWNER INFORMATION ONLY.
- . CONTACT THE LOCAL UNDERGROUND UTILITY SERVICES FOR UTILITY LOCATION AND IDENTIFICATION.
- PERFORM EXCAVATION IN THE VICINITY OF UNDERGROUND UTILITIES WITH CARE AND IF NECESSARY, BY HAND. THE CONTRACTOR BEARS FULL RESPONSIBILITY FOR THIS WORK AND DISRUPTION OR DAMAGE TO UTILITIES SHALL BE REPAIRED IMMEDIATELY AT NO EXPENSE TO THE OWNER.
- TREES AND SHRUBS SHALL BEAR SAME RELATION TO FINISHED GRADE AS THEY BORE TO PREVIOUS GRADE IN THE NURSERY, EXPECT WHERE PLANTING TREE IN CLAY SOIL, PLACE TOP OF ROOT BALL 6IN ABOVE SURROUNDING GRADE.
- 8. PROVIDE MATCHING FORMS AND SIZES FOR PLANT MATERIALS WITHIN EACH SPECIES.
- 9. ALIGN AND EQUALLY SPACE SHRUBS AND HERBACEOUS PLANTS IN ALL DIRECTIONS AS DESIGNATED PER THESE NOTES.
- 10. REMOVE ENTIRE WIRE CAGE FROM ROOTBALL.
- 11. CUT AND REMOVE BURLAP FROM TOP  $\frac{1}{3}$  OF BALL.
- 12. SPACE SHRUBS 7-8 FT BETWEEN PLANTINGS.
- 13. RESEED AREA OF DISTURBANCE DUE TO CONSTRUCTION ACTIVITIES WITH A NORTHEAST WILDFLOWER SEED MIX OR REGIONAL EQUIVALENT.
- 14. IF LISTED SPECIES CANNOT BE ACQUIRED OR AN INSUFFICIENT QUANTITY OR QUALITY IS AVAILABLE, CONSULT ENGINEER FOR APPROVED REPLACEMENTS.
- 15. ENSURE THAT PLANTS/TREES ARE SUITABLE FOR SITE LOCATION AND SOIL TYPES.
- 16. DECOMPACT AND RESTORE FILTER STRIPS IN ACCORDANCE WITH THE SWPPP.
- 17. 'SELECTIVE TREE CUTTING' IN THE LANDSCAPING PLANS REFERS TO LIMBING TOPPING, AND REMOVING DEAD STANDING TREES, BUT DOES NOT INCLUDE CUTTING TREES DOWN TO THE STUMP

# **EARTHWORK**

. NAME OF MATERIAL SUPPLIERS 2. MANUFACTURER'S CERTIFICATE: CERTIFY PRODUCTS MEET OR EXCEED SPECIFIED REQUIREMENTS

- 1. SOIL MATERIALS: PROVIDE BORROW SOIL MATERIALS WHEN SUFFICIENT SATISFACTORY SOIL MATERIALS ARE NOT AVAILABLE FROM EXCAVATIONS.
- 2. SATISFACTORY SOILS: ASTM D 2487 SOIL CLASSIFICATION GROUPS GW, GP, GM, SW, SP, AND SM, OR A COMBINATION OF THESE GROUP SYMBOLS; FREE OF ROCK OR GRAVEL LARGER THAN 3 IN IN ANY DIMENSION, DEBRIS, WASTE, FROZEN MATERIALS, VEGETATION, AND OTHER DELETERIOUS MATTER.
- 3. UNSATISFACTORY SOILS: ASTM D 2487 SOIL CLASSIFICATION GROUPS GC, SC, ML, MH, CL, CH, OL, OH, AND PT, OR A COMBINATION OF THESE GROUP SYMBOLS.
- 4. UNCLASSIFIED FILL: SATISFACTORY SOIL MATERIALS.
- 5. BACKFILL AND FILL: SATISFACTORY SOIL MATERIALS.
- 6. SUBBASE MATERIAL: PROVIDE SUBBASE IN CONFORMANCE WITH THE REQUIREMENTS OF THE NYSDOT STANDARD SPECIFICATIONS FOR SUBBASE AGGREGATE ITEM 304.12, TYPE 2 OR ITEM 304.14, TYPE 4 AS SPECIFIED ON THE DRAWINGS. REFER TO SECTIONS 304 AND 733-04.
- 7. PEA-GRAVEL: ASTM D 448 CLEAN BANK RUN GRAVEL, NO. 6 OR 1/8 IN TO 3/8 IN
- 8. FILTER STRIP SAND: ASTM C-33 FINE AGGREGATE SAND, 0.02 INCH TO 0.04 IN IN SIZE.
- 9. COMPOST: PROVIDE MATERIAL IN CONFORMANCE WITH THE REQUIREMENTS OF THE NYSDEC STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (2016 OR LATEST) FOR FULL SOIL RESTORATION.
- 10. GEOTEXTILE: PRODUCTS NOTED IN THE DETAILS.
- 11. FILTER FABRIC: PRODUCTS NOTED IN THE DETAILS.

MINUS 1/2 IN.

- PREPARATION: PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT, AND OTHER HAZARDS CREATED BY EARTHWORK OPERATIONS.
- EXCAVATE FOR STRUCTURES, PAVEMENTS, AND WALKS TO INDICATED ELEVATIONS AND DIMENSIONS. EXTEND EXCAVATIONS FOR PLACING AND REMOVING CONCRETE FORMWORK, FOR INSTALLING SERVICES AND OTHER CONSTRUCTION, AND FOR INSPECTIONS. TRIM BOTTOMS TO REQUIRED LINES AND GRADES TO LEAVE SOLID BASE TO RECEIVE OTHER WORK.
- EXCAVATE UTILITY TRENCHES TO INDICATED GRADIENTS, LINES, DEPTHS, AND INVERT ELEVATIONS OF UNIFORM WIDTHS TO PROVIDE A WORKING CLEARANCE ON EACH SIDE OF PIPE OR CONDUIT. EXCAVATE TRENCH WALLS VERTICALLY FROM TRENCH BOTTOM TO 12 IN HIGHER THAN TOP OF PIPE OR CONDUIT. EXCAVATE TRENCHES DEEPER THAN BOTTOM OF PIPE ELEVATION, 6 IN DEEPER IN ROCK, 4 IN DEEPER ELSEWHERE, TO ALLOW FOR BEDDING COURSE. HAND EXCAVATE FOR BELL OF PIPE. SHORE OR SLOPE TRENCH WALLS IN ACCORDANCE WITH OSHA REGULATIONS.
- PROOF ROLL SUBGRADES, BEFORE FILLING OR PLACING AGGREGATE COURSES, WITH HEAVY PNEUMATIC-TIRED EQUIPMENT TO IDENTIFY SOFT POCKETS AND AREAS OF EXCESS YIELDING. DO NOT PROOF ROLL WET OR SATURATED SUBGRADES. REMOVE ALL TOPSOIL AND/OR ORGANIC MATERIAL FROM AREAS TO RECEIVE FILL.
- RECONSTRUCT SUBGRADES DAMAGED BY FREEZING TEMPERATURES, FROST, RAIN, ACCUMULATED WATER, OR CONSTRUCTION ACTIVITIES. DO NOT PLACE BACKFILL ON FROZEN MATERIAL.
- 6. FILL UNAUTHORIZED EXCAVATION UNDER FOUNDATIONS OR WALL FOOTINGS BY EXTENDING BOTTOM ELEVATION OF CONCRETE FOUNDATION OR FOOTING TO EXCAVATION BOTTOM, WITHOUT ALTERING TOP ELEVATION. LEAN CONCRETE FILL MAY BE USED WHEN APPROVED BY ENGINEER. FILL UNAUTHORIZED EXCAVATIONS UNDER OTHER CONSTRUCTION OR UTILITY PIPE AS DIRECTED BY ENGINEER.
- UTILITY TRENCH BACKFILL: PLACE, COMPACT, AND SHAPE BEDDING COURSE TO PROVIDE CONTINUOUS SUPPORT FOR PIPES AND CONDUITS OVER ROCK AND OTHER UNYIELDING BEARING SURFACES AND TO FILL UNAUTHORIZED EXCAVATIONS.
- 3. PLACE AND COMPACT INITIAL BACKFILL OF SATISFACTORY SOIL MATERIAL OR SUBBASE MATERIAL, FREE OF PARTICLES LARGER THAN 1.5 IN, TO A HEIGHT OF 12 IN OVER THE UTILITY PIPE OR CONDUIT. PLACE AND COMPACT FINAL BACKFILL OF SATISFACTORY SOIL MATERIAL TO FINAL SUBGRADE.
- COMPACTION: PLACE BACKFILL, SUBBASE MATERIAL AND UNCLASSIFIED FILL MATERIALS IN LAYERS NOT MORE THAN 12 IN IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HEAVY COMPACTED BY HAND-OPERATED TAMPERS. COMPACT SOIL TO NOT LESS THAN THE FOLLOWING PERCENTAGE OF MAXIMUM DRY UNIT WEIGHT ACCORDING TO ASTM D 1557, OR AS SPECIFIED.
- 10. BACKFILL: EACH LAYER SHALL BE COMPACTED TO 95% MAXIMUM DRY DENSITY USING MODIFIED EFFORT (ASTM D 1557).

11. GENERAL FILL: CAN BE ON-SITE EXCAVATED MATERIALS AND USED FOR ANY NON-LOAD

- BEARING AREAS. PLACE GENERAL FILL IN LOOSE LIFTS NOT EXCEEDING 12 IN IN HEIGHT AND COMPACTED TO 95% MAXIMUM DRY DENSITY USING MODIFIED EFFORT (ASTM D1557). 12. STRUCTURAL FILL: BORROWED MATERIAL AND USED FOR LOAD-BEARING STRUCTURES SUCH AS SHALLOW FOUNDATIONS (SPREAD FOOTINGS OR SLAB-ON-GRADE). AND ACCESS ROADS. PLACE
- MAXIMUM DRY DENSITY USING MODIFIED EFFORT (ASTM D1557). 13. UNCLASSIFIED FILL: SCARIFY AND RECOMPACT THE TOP 12 IN OF EXISTING SUBGRADE AND EACH

STRUCTURAL FILL IN LOOSE LIFTS NOT EXCEEDING 8 IN IN HEIGHT AND COMPACTED TO 95%

- LAYER OF FILL MATERIAL AT 90% MAXIMUM DRY DENSITY. 14. GRADING: UNIFORMLY GRADE AREAS TO A SMOOTH SURFACE. FREE FROM IRREGULAR SURFACE CHANGES. COMPLY WITH COMPACTION REQUIREMENTS AND GRADE TO CROSS SECTIONS, LINES, AND ELEVATIONS INDICATED. GRADE LAWNS. WALKS. AND UNPAVED SUBGRADES TO TOLERANCES OF PLUS OR MINUS 1 IN AND PAVEMENTS AND AREAS WITHIN BUILDING LINES TO PLUS OR
- 15. SUBBASE AND BASE COURSES: UNDER PAVEMENTS AND WALKS, PLACE SUBBASE COURSE ON PREPARED SUBGRADE. PLACE BASE COURSE MATERIAL OVER SUBBASE. COMPACTED 95% MAXIMUM DRY DENSITY USING MODIFIED EFFORT (ASTM D 1557).

# ACRONYMS/ABBREVIATIONS:

**APPROX** 

TA# TYP.

UGE

ALTERNATING CURRENT

APPROXIMATE

SQUARE YARD

TYPICAL

TAX MAP NUMBER

UNDERGROUND ELECTRIC

CMP CORRUGATED METAL PIPE CPP CORRUGATE PLASTIC PIPE CUBIC YARD DIA DIAMETER **HDPE** HIGH DENSITY POLYETHYLENE LBS POUNDS LINEAR FOOT INCH INVERT FLEVATION NEC NATIONAL ELECTRICAL CODE N/F NOW OR FORMALLY N.T.S. NOT TO SCALE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL NYSDEC CONSERVATION NYSDOT NEW YORK STATE DEPARTMENT OF TRANSPORTATION OHE OVERHEAD ELECTRIC OHRP OFFICE FOR HUMAN RESEARCH PROTECTIONS PRESSURE TREATED PHOTOVOLTAIC RCP REINFORCED CONCRETE PIPE SHPO STATE HISTORIC PRESERVATION OFFICE SQ FT SWPPP SQUARE FEFT

STORMWATER POLLUTION PREVENTION PLAN

AES CLEAN ENERGY DEVELOPMENT. LLC

292 MADISON AVENUE, 15TH FLOOR

NEW YORK, NY 10017

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**KEY PLAN:** 

**REVISIONS:** DATE DESCRIPTION **ISSUED FOR 94-C PERMIT** 03/03/2023 08/11/2023 | RE-ISSUED FOR 94-C PERMIT

SOMERSET SOLAR **PROJECT** 

PROJECT LOCATION:

PROJECT TITLE:

LAKE ROAD SOMERSET, NY

SHEET TITLE & DESCRIPTION:

IED FOR 94-C PERMIT ON

NOT FOR CONSTRUCTION

GENERAL NOTES

SU20.0012 DES: **RCD RCD** DWN: JPP/MAH BMS DATE 08/11/2023

AS SHOWN

SCALE AT 22" x 34":

# AGRICULTURAL AREA NOTES (PER NY DEPARTMENT OF AGRICULTURAL AND MARKETS GUIDELINES):

## DRAIN TILE RESTORATION:

- 1. IF WATER IS FLOWING THROUGH THE DAMAGED TILE LINE TO BE REPAIRED, THE TILE LINE MUST BE IMMEDIATELY TEMPORARILY REPAIRED, UNTIL SUCH TIME THAT PERMANENT REPAIRS CAN BE MADE TO THE EXTENT PRACTICABLE. IF THE DAMAGED TILE LINE TO BE REPAIRED IS DRY, TEMPORARY REPAIRS ARE NOT NEEDED IF THE PERMANENT REPAIRS CAN BE COMPLETED WITHIN 14 BUSINESS DAYS (WEATHER AND SOIL CONDITIONS PERMITTING) OF THE TIME SAID DAMAGE OCCURRED. EXPOSED TILE LINES WILL BE SCREENED OR OTHERWISE PROTECTED TO PREVENT THE ENTRY OF FOREIGN MATERIALS OR ANIMALS INTO THE TILE LINES.
- 2. REPAIR OR REPLACE ALL SUBSURFACE DRAINS WITH MATERIALS OF EQUAL OR HIGHER QUALITY AND OF AN EQUAL OR LARGER INSIDE DIAMETER AS THOSE WHICH WERE DAMAGED OR REMOVED.
- 3. COMMERCIALLY REASONABLE EFFORTS SHALL BE MADE TO MAINTAIN THE TILE LINE TO ITS ORIGINAL ALIGNMENT/GRADIENT. (REFER TO DRAIN TILE REPAIR DETAIL ON SHEET PV-C.08.03)
- 4. DRAIN TILES ARE NOT ANTICIPATED TO BE ENCOUNTERED ON THIS SITE.

### TRENCHING:

- 1. USE HORIZONTAL DIRECTIONAL DRILLING (HDD) OR EQUIVALENT INSTALLATION TECHNIQUES THAT DO NOT DISRUPT THE SOIL PROFILE WHEREVER PRACTICABLE.
- 2. WHEN OPEN-CUT TRENCHING IS PROPOSED, TOPSOIL WILL BE SEGREGATED FROM OTHER MATERIALS AND SUBSEQUENTLY GRADED ON TOP OF THE BACKFILLED NATIVE MATERIAL WHEN CLOSING A TRENCH.
- 3. NARROW OPEN TRENCHES LESS THAN 25 FEET LONG INVOLVING A SINGLE DIRECTLY BURIED CONDUCTOR OR CONDUIT (AS REQUIRED) TO CONNECT SHORT ROWS WITHIN THE ARRAY, WILL BE EXEMPT FROM TOPSOIL SEGREGATION.
- 4. REFER TO SHEET PV-C.08.03 FOR TRENCH PLUG DETAILS.
- 5. WHEN TRENCHING THROUGH AGRICULTURAL LAND OUTSIDE OF THE FACILITY SITE, ADHERE TO CURRENT NYSAGM (NYSDAM)

# SOIL STRIPPING AND STOCKPILING:

- 1. REPRESENTATIVE SOIL SAMPLES MUST BE OBTAINED FROM THE AGRICULTURAL AREAS TO BE DISTURBED BEFORE ANY SOIL IS REMOVED.
- 2. LOCATE TEMPORARY SOIL STOCKPILE AS CLOSE AS IS REASONABLY PRACTICAL TO THE AREA WHERE STRIPPED/REMOVED TO BE USED FOR RESTORATION ON THAT PARTICULAR AREA. PROVIDE COMPOST FILTER SOCK AS INDICATED.
- 3. ANY SOIL REMOVED FROM PERMANENTLY CONVERTED AGRICULTURAL AREAS SHOULD BE TEMPORARILY STOCKPILED AND EVENTUALLY SPREAD EVENLY IN ADJACENT AGRICULTURAL AREAS WITHIN THE LIMITS OF DISTURBANCE (LOD).
- 4. RESEED AND RESTORE ANY DISTURBED AGRICULTURAL AREAS INTENDED FOR FUTURE AGRICULTURAL USE.
- 5. TOPSOIL STOCKPILES ON AGRICULTURAL AREAS LEFT IN PLACE PRIOR TO OCTOBER 31ST SHOULD BE SEEDED WITH AROOSTOOK WINTER RYE OR EQUIVALENT AT AN APPLICATION RATE OF THREE BUSHELS (168 LBS) PER ACRE AND MULCHED WITH STRAW MULCH AT RATE OF TWO TO THREE BALES PER 1000 SQ FT.
- 6. TOPSOIL STOCKPILES LEFT IN PLACE BETWEEN OCTOBER 31ST AND MAY 31ST SHOULD BE MULCHED WITH STRAW AT A RATE OF TWO TO THREE BALES PER 1000 SQ FT TO PREVENT SOIL LOSS.
- 7. SEE DETAIL 5 ON SHEET PV-C.08.01 FOR STANDARD TEMPORARY SOIL STOCKPILING PRACTICES.

### LIVESTOCK/FARM EQUIPMENT MEASURES:

- 1. IN PASTURE AREAS, IT MAY BE NECESSARY TO CONSTRUCT TEMPORARY FENCING AROUND WORK AREAS TO PREVENT LIVESTOCK ACCESS TO ACTIVE CONSTRUCTION AREAS AND AREAS UNDERGOING RESTORATION.
- 2. ALL ACCESS ROADS SHOULD BE CONSTRUCTED TO ALLOW A FARM CROSSING (FOR SPECIFIC EQUIPMENT AND LIVESTOCK) AND TO RESTORE/MAINTAIN ORIGINAL SURFACE DRAINAGE PATTERNS.

## **WILDLIFE PRESERVATION NOTES:**

### BALD EAGLE

- 1. IF AT ANY TIME DURING CONSTRUCTION AN ACTIVE BALD EAGLE NEST OR ROOST IS IDENTIFIED WITHIN THE PROJECT SITE, NOTIFY THE NYSDPS WITHIN 48 HOURS OF DISCOVERY AND PRIOR TO ANY DISTURBANCE OF THE NEST OR IMMEDIATE AREA.
- 2. TREE REMOVAL IS NOT ALLOWED WITHIN 660 FEET FROM AN ACTIVE NEST DURING BREEDING SEASON (JANUARY 1—SEPTEMBER 30); WITHIN 0.25 MILES FROM AN IMPORTANT WINTER ROOST DURING THE WINTERING PERIOD (DECEMBER 1—MARCH31); OR OF OVERSTORY TREES WITHIN 330 FEET OF AN ACTIVE NEST AT ANY TIME.

# GRASSLAND BIRDS:

- 1. IF ACTIVE NESTS OF THE NYS THREATENED OR ENDANGERED SPECIES ARE FOUND WITHIN THE OCCUPIED HABITAT, THE LIMITS OF DISTURBANCE AND/OR CONSTRUCTION SCHEDULE MUST BE ADJUSTED IN COORDINATION WITH THE NYSDPS UNTIL NESTING HAS BEEN
- 2. WITHIN AN OCCUPIED BREEDING HABITAT, WORK SHALL BE CONDUCTED ONLY BETWEEN AUGUST 16 AND APRIL 22; WITHIN AN OCCUPIED WINTERING HABITAT, WORK SHALL BE CONDUCTED ONLY BETWEEN APRIL 1 AND NOVEMBER 14; AND WITHIN AN AREA WHERE BOTH BREEDING AND WINTERING ARE OCCURRING, WORK SHALL BE CONDUCTED ONLY BETWEEN AUGUST 16 AND NOVEMBER 14, AND BETWEEN APRIL 1 AND 22.

# **GENERAL DRAINAGE & GRADING NOTES:**

- DEWATER THE EXCAVATIONS AS REQUIRED TO MAINTAIN A STABILIZED SLOPE. PUMP ALL WATER TO AN APPROPRIATE SEDIMENT TRAPPING DEVICE.
- 2. PROTECT AT ALL TIMES ALL EXISTING SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES, WHERE ENCOUNTERED IN THE WORK, AND, WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, RELOCATE AS DIRECTED BY THE ENGINEER.
- 3. DO NOT PLACE FILL, EMBANKMENT, OR BACKFILL MATERIAL ON FROZEN GROUND. DO NOT PLACE FROZEN MATERIALS, SNOW, OR ICE IN ANY FILL OR EMBANKMENT UNLESS APPROVED IN WRITING BY THE ENGINEER.
- 4. REPAIR/REPLACE DAMAGE TO EXISTING FEATURES INTENDED TO REMAIN IN KIND.
- 5. IN CAPPED LANDFILL AREAS AND WITHIN AREAS PREVIOUSLY BOUNDED BY RAILROAD TRACKS, ONLY FILL GRADING IS PERMITTED TO ACHIEVE BUILDABLE GRADES. NO EXCAVATION OR PENETRATION IS PERMITTED IN THESE AREAS.
- 6. DO NOT DAMAGE DRAIN TILES. IF DAMAGED, REPLACE BROKEN TILES IN KIND AS DESCRIBED IN APPENDIX 15-B (DRAINAGE REMEDIATION PLAN) OF THE PERMIT APPLICATION.





NEW YORK, NY 10017

IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW, ARTICLE 145, FOR ANY PERSON, UNLESS UNDER THE DIRECTION OF A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER, TO ALTER AN ITEM ON THIS DOCUMENT IN ANY WAY

KEY PLAN:

REVISIONS:

NO. DATE DESCRIPTION

0 03/03/2023 ISSUED FOR 94-C PERMIT

1 08/11/2023 RE-ISSUED FOR 94-C PERMIT

PROJECT TITLE:

SOMERSET SOLAR PROJECT

PROJECT LOCATION:

LAKE ROAD SOMERSET, NY

SHEET TITLE & DESCRIPTION:

GENERAL NOTES

ISSUED FOR 94-C PERMIT ONLY NOT FOR CONSTRUCTION

PROJ SU20.0012

DES: RCD

DWN: RCD

CHK: JPP/MAH

APV: BMS

DATE: 08/11/2023

SCALE AT 22" x 34":

AS SHOWN

PV-C.00.04

1

# INDEX MAP ONTARIOLAKE SHEET NO. 1 SHEET NO. 3 =========== SHEET NO. 4 SHEET NO. SHEET NO. SHEET NO. 6 15 SHEET NO. 8 SHEET NO. SHEET NO. 10 SHEET NO. 11 (STATE ROUTE NO.18) LAKE ROAD (66.0' WIDE) SHEET NO. 12 SHEET SHEET NO. 13 NO. 14 10 SHEET NO. 15 SHEET NO. |16 SHEET NO. 17 SHEET NO. 18 HAIGHT ROAD (66.0' MDE) (FORMERLY KNOWN AS BROWN ROAD) SHEET NO. 19 SME THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2021 MINIMUM 0 STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, **ZONING** JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS SOMERSET RAILROAD CORP

1, 2, 3, 4, 5, 6(b), 7(a), 7(b)(1), 8, 11, 13, 14, 16, 17, 18 AND 19 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON APRIL 23, 2021.

JOHN E. McINTOSH, III LICENSE NO. 49928

APRIL 23, 2021

RESURVEYED PREMISES

RESURVEYED PREMISES

RESURVEYED PREMISES

RESURVEYED PREMISES

4/17/1999 ADD FOOTPRINT PARCEL & CERT. NAMES JEM

4 1/29/2016

DATE OF PLAT OR MAP

GRAPHIC SCALE

( IN FEET )

1 inch = 700 ft.

NOTE: UNAUTHORIZED ALTERATION OR ADDITION TO THIS

2 OF THE NEW YORK STATE EDUCATION LAW.

SURVEY IS A VIOLATION OF SECTION 7209, PROVISION

NOTE: THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF

AN ABSTRACT OF TITLE AND IS SUBJECT TO ANY STATE

OF FACTS THAT MAY BE REVEALED BY AN EXAMINATION

1) PREMISES ZONED - "PUD" PLANNED UNIT DEVELOPMENT

(1) FRONT: 50 FEET FROM ANY STREET RIGHT OF WAY

(2) SIDE: 25 FEET: EXCEPT 200 FEET IF ABUTTING AN AGRICULTURAL OR RESIDENTIAL DISTRICT.

(3) REAR: 25 FEET: EXCEPT 200 FEET IF ABUTTING AN

AGRICULTURAL OR RESIDENTIAL DISTRICT.

ZONING INFORMATION OBTAINED FROM ?

BY THE SURVEYOR.

# ALTA/NSPS LAND TITLE SURVEY 7725 LAKE ROAD

BEING PART OF LOTS-1,2,4,13,14 & 15, SECTION-5 & BEING PART OF LOTS-1,2,3,4,5 & 6, SECTION-3 & BEING PART OF LOTS-2,4,6,8,10 & 12, SECTION-2, TOWNSHIP-16, RANGE-6, HOLLAND PURCHASE

TOWN OF SOMERSET, NIAGARA COUNTY, NEW YORK

1) The bearings shown hereon are referenced to the New York State Plane coordinate System Transverse Mercator Projection, Western Zone (NAD 1983/96 HARN—FEET) through control ties to the following published NGS HARN control stations:

NGS Monument - THIRTY N 1,229,669.722 ft. NGS Monument - LOCKPORT N 1,154,232.511 ft.

E 1,117,842.098 ft.

2) The perimeter and ties to control monuments were accomplished by procedures necessary to achieve an accuracy of 1 part in 10,000 or better. Distances shown hereon are grid distances.

4) Combined Factor: 0.999928514

5) Background planimetrics shown were compiled from aerial imagery flown on April 6, 2021. Contours shown were derived from LiDAR data flown on April 7, 2021. Planimetric and contour information was prepared by EA Maps, LLC.

6) See sheet no. 20 for tabulation of bearings, distances, point numbers & coordinates.

7) See sheet no. 21 for Schedule "A" description. (Survey Description)

8) See terms & conditions of a resolution of the Town Board of the Town of Somerset granting permission to New York State Electric & Gas Corporation, its successors and assigns, to transmit electricity and electric current over, through and upon public highways, lanes, streets, and other public places in said Town: said resolution being recorded in the Niagara County Clerk's Office in L—1296, P—106. See Schedule B, Item No. 5.

9) See terms & conditions of a resolution of the Town Board of the Town of Somerset granting to New York State Electric & Gas Corporation, its successors and assigns, permission to transmit natural gas, through, along and under any of the highways, streets, lanes & public places in said Town: said resolution being recorded in the Niagara County Clerk's Office in L—1486, P—302. See Schedule B, Item No. 6.

10) See sheet no. 22 for Notes Corresponding to Schedule B.

11) The Property described on this Survey lies within Zone X and Zone AE of the Flood Insurance Rate Map identified as Town of Somerset, Community Panel No. 360512, Panel No.'s 103 & 104 of 430, Map Suffix E, bearing an effective date of September 17, 2010 and Community Panel No. 360512, Panel No.'s 101 & 102 of 430, Map Suffix F, bearing an effective date of May 4, 2021.

12) Note to the client, insuror, and lender — with regard to Table A, item 11 information from the sources checked will be combined with observed evidence of utilities pursuant to Section 5.E.iv. to develop a view of the underground utilities. However, lacking excavation, the exact location of underground features cannot be accurately, completely, and reliably depicted. in addition, in some jurisdictions, 811 or similar utility located requests from surveyors may be ignored or result in an incomplete response, in which case the surveyor shall note on the plat or map how this affected the surveyor's assessment of the location of the utilities. Where additional or more detailed information is required, the client is advised that excavation may be necessary.

13) At the time of the alta survey there was observable evidence of earth moving work and building demolition 14) At the time of the alta survey there were no changes in street right of way lines either completed or proposed, and available from the controlling jurisdiction or observable evidence of recent street or sidewalk

15) Elevations shown are based upon (NAVD 88)

# LEGEND

**EXCEPTION AREAS** EASEMENT AREA RESERVED BY NYSEG ---- INTERNAL PROPERTY LINE ---- PROJECT BOUNDARY ----- EDGE OF WATER ------ UNDERGROUND ELECTRIC OVERHEAD ELECTRIC & TELEPHONE - GREAT LOT NUMBER - SECTION NUMBER

TELEPHONE BOX POWER POLE / LIGHT POLE POWER POLE INDICATES IRON PIPE/REBAR/PIN (FOUND OR SET)

CONCRETE MONUMENT STONE MONUMENT NOT FIELD VERIFIED

### NEW YORK STATE ELECTRIC & GAS CORPORATION L-1818, P-337 APPENDIX A-36 LIBER & PAGE REFERENCE

- APPENDIX IDENTIFICATION AS SHOWN IN NGE GENERATION, INC. TRANSFER L-2801, P-1

COGO POINT NUMBER

NOTES CORRESPONDING TO SCHEDULE B II

# PREPARED BY

McINTOSH & McINTOSH, P.C. CONSULTING ENGINEERS, LAND SURVEYORS, PLANNERS BUFFALO, NEW YORK LOCKPORT, NEW YORK PHONE 434-9138 PHONE 625-8360

JOB NO. 3115

SCALE: 1"=700' DATE: MAY 1998

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