



PUBLIC NOTICE

Comment Period Begins: October 3, 2023
Comment Period Ends: November 3, 2023
File Number: NAE-2022-01247
In Reply Refer to: Heather S. Stukas
Phone: (978) 318-8678
Email: heather.s.stukas@usace.army.mil

The District Engineer, U.S. Army Corps of Engineers, New England District (USACE), has received a permit application, file number NAE-2022-01247, to conduct work in waters of the United States from James Foley, Warren Meadow Solar Station LLC, 179 Green Street Suite 100, Boston, MA 02130. This work is proposed in freshwater wetland adjacent to Quiggle Brook and its tributaries and tributaries to the Saint George River off Wottons Mill Road and Hart Road in Warren, Maine. The site coordinates are: Latitude 44.162057°N Longitude 66.238226°W.

The work involves the placement of permanent and temporary fill below the ordinary high-water mark of Quiggle Brook and its tributaries and tributaries to the Saint George River and in adjacent freshwater wetland off Wottons Mill Road and Hart Road in Warren, Maine in order to build a ground-mounted solar energy facility. The project will result approximately 0.7 acres of permanent wetland impacts and the conversion of 22.85 acres of forested wetlands to emergent wetlands.

The applicant has demonstrated that they have avoided and minimized waterway/wetland impacts to the maximum extent possible. To compensate for unavoidable impacts to waterways/wetlands, the applicant proposes a one-time In-Lieu-Fee contribution to the Maine Natural Resource Conservation Program and proposes to upgrade four existing stream crossings to improve connectivity and fish passage.

The work is shown on the enclosed plans entitled "Warren Meadow Solar Station," on four (4) sheets, and dated "March 23, 2023."

Additional plans are available per request.

AUTHORITY

Permits are required pursuant to:

- Section 10 of the Rivers and Harbors Act of 1899
 Section 404 of the Clean Water Act
 Section 103 of the Marine Protection, Research and Sanctuaries Act.

The decision whether to issue a permit will be based on an evaluation of the probable impact of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which may reasonably accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are:

conservation, economics, aesthetics, general environmental concerns, wetlands, cultural value, fish and wildlife values, flood hazards, flood plain value, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production and, in general, the needs and welfare of the people.

The USACE is soliciting comments from the public; federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. The USACE will consider all comments received to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an environmental assessment and/or an environmental impact statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Where the activity involves the discharge of dredged or fill material into waters of the United States or the transportation of dredged material for the purpose of disposing it in ocean waters, the evaluation of the impact of the activity in the public interest will also include application of the guidelines promulgated by the Administrator, U.S. Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act, and/or Section 103 of the Marine Protection Research and Sanctuaries Act of 1972, as amended.

ESSENTIAL FISH HABITAT

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996 (Public Law 104-267), requires all federal agencies to consult with the National Marine Fisheries Service on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). Essential Fish Habitat describes waters and substrate necessary for fish for spawning, breeding, feeding or growth to maturity.

This project will have minor impact on EFH with the purposed stream crossing upgrades to improve connectivity and fish passage. Loss of this habitat may adversely affect species that use these waters and substrate. However, the District Engineer has made a preliminary determination that the site-specific adverse effect will not be substantial. Further consultation with the National Marine Fisheries Service regarding EFH

conservation recommendations is being conducted and will be concluded prior to the final decision.

NATIONAL HISTORIC PRESERVATION ACT

Based on our initial review of the proposed project and coordination with the State Historic Preservation Officer and Tribal Historic Preservation Officer(s), no historic properties were identified within the permit area and the area of potential effects. Additional review and consultation to fulfill requirements under Section 106 of the National Historic Preservation Act of 1966, as amended, will be ongoing as part of the permit review process.

ENDANGERED SPECIES CONSULTATION

The USACE has reviewed the application for the potential impact on federally-listed threatened or endangered species and their designated critical habitat pursuant to section 7 of the Endangered Species Act (ESA) as amended. It is our preliminary determination that the proposed activity for which authorization is being sought is designed, situated or will be operated/used in such a manner that it is not likely to adversely affect a listed species or their critical habitat. We are coordinating with the National Marine Fisheries Service and/or U.S. Fish and Wildlife Service on listed species under their jurisdiction and the ESA consultation will be concluded prior to the final decision.

OTHER GOVERNMENT AUTHORIZATIONS

The states of Connecticut, Maine, Massachusetts, New Hampshire and Rhode Island have approved Coastal Zone Management Programs. Where applicable, the applicant states that any proposed activity will comply with and will be conducted in a manner that is consistent with the approved Coastal Zone Management Program. By this public notice, we are requesting the state concurrence or objection to the applicant's consistency statement.

The following authorizations have been applied for, or have been, or will be obtained:

- Permit, license or assent from State.
- Permit from local wetland agency or conservation commission.
- Water Quality Certification in accordance with Section 401 of the Clean Water Act.

COMMENTS

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider

and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity. People submitting comments are advised that all comments received will be available for public review in their entirety and will be considered a matter of public record.

Comments should be submitted in writing by the above date. If you have any questions, please contact Heather S. Stukas at heather.s.stukas@usace.army.mil, (978) 318-8678, (800) 343-4789 or (800) 362-4367.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the application. Requests for a public hearing shall specifically state the reasons for holding a public hearing. The USACE holds public hearings for the purpose of obtaining public comments when that is the best means for understanding a wide variety of concerns from a diverse segment of the public.

The initial determinations made herein will be reviewed in light of facts submitted in response to this notice. Copies of letters of objection will be forwarded to the applicant who will normally be requested to contact objectors directly in an effort to reach an understanding.

THIS NOTICE IS NOT AN AUTHORIZATION TO DO ANY WORK.



Peter D. Olmstead
Chief, Maine Section
Regulatory Division

Please contact Ms. Tina Chaisson at bettina.m.chaisson@usace.army.mil or (978) 318-8058 if you would like to be removed from our public notice mailing list.

100 MW DC & 75 MW AC SOLAR ARRAY

WOTTONS MILL ROAD · WARREN · MAINE
WARREN MEADOW SOLAR STATION

MARCH 23, 2022

PREPARED FOR
WARREN MEADOW SOLAR STATION LLC
 179 GREEN STREET
 JAMAICA PLAIN, MA 02130



PREPARED BY
FUSS & O'NEILL
 5 FLETCHER STREET, SUITE 1
 KENNEBUNK, MAINE 04303
 207.363.0669
 www.fando.com

SHEET INDEX

SHEET No.	SHEET TITLE
GI-001	COVER SHEET
CN-001	GENERAL NOTES
EX-101	EXISTING CONDITIONS PLAN
CS-110	WETLANDS IMPACT PLAN
CS-120	STORMWATER BUFFER PLAN
CS-200	OVERALL SITE PLAN
CS-201 - CS-204	SITE PLANS
CR-100	ROADWAY KEY PLAN
CR-101 - CR-114	ROADWAY PLAN
CR-201	STREAM CROSSINGS
DR-100	SOILS MAP
DR-101	SOIL SYMBOLS MAP
DR-200	EXISTING WATERSHED SUBCATCHMENT PLAN
DR-300	PROPOSED WATERSHED SUBCATCHMENT PLAN
CD-501 - CD-504	EROSION CONTROL DETAILS
CD-505 - CD-509	DETAILS
CD-701 - CD-703	SUBSTATION DETAILS

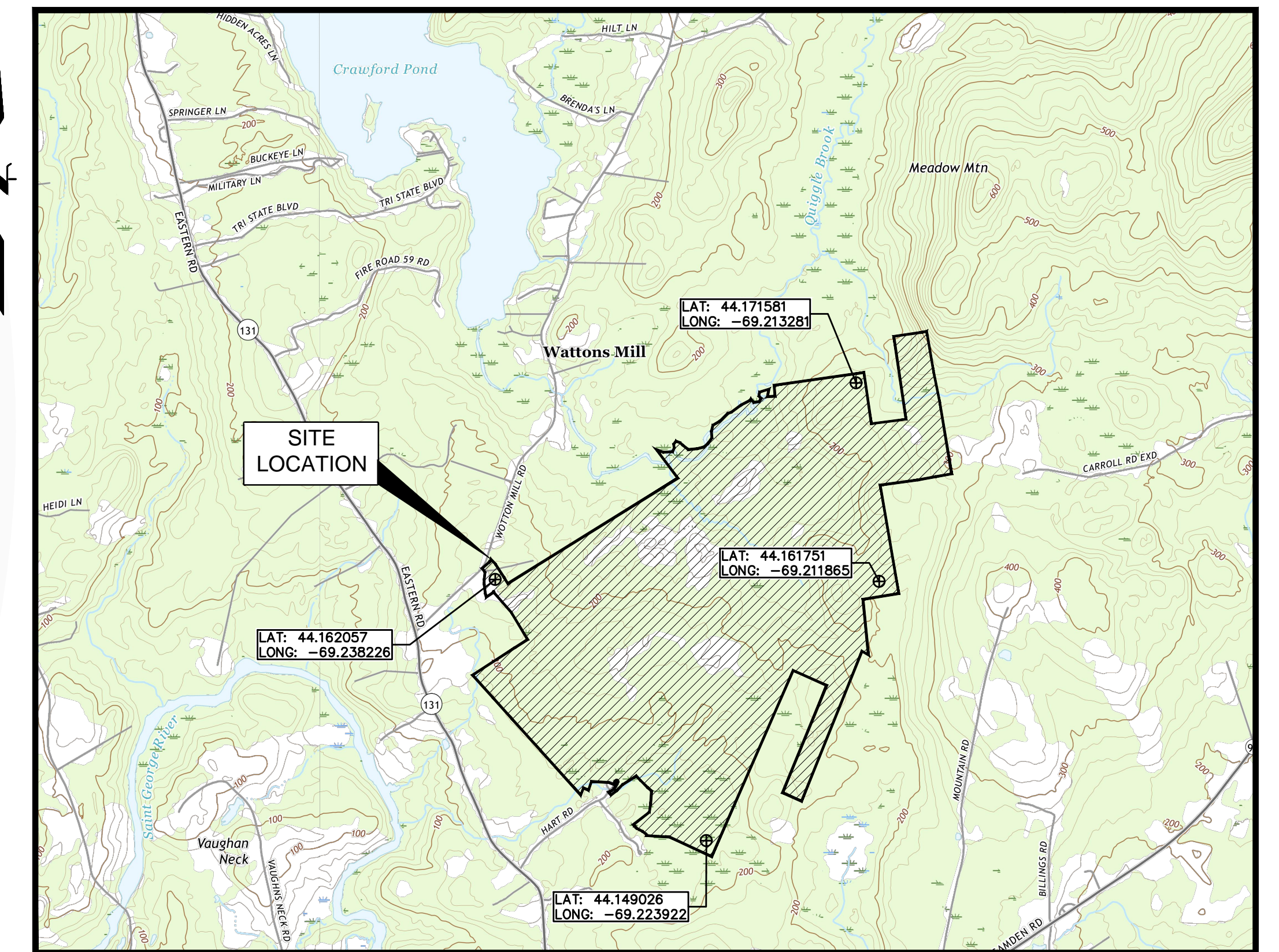
PROJECT TEAM

LAND SURVEYOR
 DOUCET SURVEY LLC
 10 STORER STREET
 KENNEBUNK, ME 04043
 207.502.7005

NATURAL RESOURCES CONSULTANT
 BRI ENVIRONMENTAL
 30 DANFORTH ST, SUITE 213
 PORTLAND, ME 04101

VERNAL POOL ASSESSMENT
 LONGVIEW PARTNERS, LLC
 6 SECOND STREET
 BUXTON, ME 04093
 207.693.8799

GEOTECHNICAL ENGINEERS
 S.W. COLE ENGINEERING, INC.
 286 PORTLAND ROAD
 GRAY, ME 04039
 207.657.2866



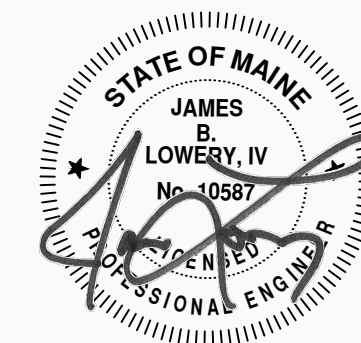
LOCATION MAP
 SCALE: 1" = 2000'



CONTACT DIG SAFE 72 HOURS
 PRIOR TO CONSTRUCTION

THE LOCATION OF ANY UTILITY INFORMATION SHOWN ON
 THIS PLAN IS APPROXIMATE. OLD CONSULTING ENG.
 INC. MAKES NO CLAIM TO THE ACCURACY OR
 COMPLETENESS OF UTILITIES SHOWN. 72 HOURS PRIOR
 TO ANY EXCAVATION ON SITE, THE CONTRACTOR SHALL
 CONTACT DIG-SAFE AT 1-888-DIG-SAFE.

STATE AND FEDERAL PERMITS REQUIRED:		
PERMIT	REQUIRED / NOT REQUIRED	STATUS / PERMIT NO.
MEDEP WETLANDS BUREAU STANDARD DREDGE AND FILL	REQUIRED	PENDING
MEDEP NRPA	REQUIRED	PENDING
MEDEP SLODA	REQUIRED	PENDING
MEDOT ENTRANCE PERMIT	REQUIRED	PENDING
EPA, NPDES CONSTRUCTION GENERAL PERMIT (CGP)	REQUIRED	PENDING
MAINE ARMY CORPS	REQUIRED	PENDING



03-28-2023

NO TEMPORARY OR PERMANENT FILL SHALL BE PLACED IN ANY WETLAND
 UNLESS THE APPROPRIATE PERMIT HAS BEEN GRANTED BY MAINE DEP &
 USACE.

PROJ. No.: 20190588.C30
 DATE: MARCH 23, 2023

GI-001

SHEET 1 OF 43

SURVEY NOTES

1. REFERENCE: WARREN – TAX MAP R10, LOTS 46, 50-1, 52-1, 53 & 74
TAX MAP R13, LOTS 1, 9, 66, 70
D.S.I. PROJECT NO. 6888
2. TOTAL PARCEL AREA: TAX MAP R10, LOTS 53 & 74
TAX MAP R13, LOT 1
813 AC.± (TOTAL AREA PER REFERENCE PLAN)

TAX MAP R10, LOT 46: 41.64 AC. (PER ASSESSOR)
TAX MAP R10, LOT 50-1: 25.99 AC. (PER ASSESSOR)
TAX MAP R10, LOT 52-1: 10.58 AC. (PER ASSESSOR)
TAX MAP R13, LOT 9: 2 AC. (PER ASSESSOR)
TAX MAP R13, LOT 66 9.4 AC (PER ASSESSOR)
TAX MAP R13, LOT 70 5.5 AC (PER ASSESSOR)
3. OWNER OF RECORD: TAX MAP R10, LOT 53 & 74
TAX MAP R13, LOTS 1 & 9
EC HART & SONS, INC.
PO BOX 554
ROCKPORT, ME 04856
N.R.C.D. BOOK 3292, PAGE 14

TAX MAP R10, LOT 46
THOMAS B. WATSON
1107 EASTERN ROAD
WARREN, ME 04864
N.R.C.D. BOOK 5512, PAGE 241

TAX MAP R10, LOTS 50-1 & 52-1, TAX MAP R13, LOT 66
JOHN L. HART
PO BOX 554
ROCKPORT, ME 04846
N.R.C.D. BOOK 5466, PAGE 293 (LOT 50-1)
N.R.C.D. BOOK 4034, PAGE 255 (LOT 55-1)

TAX MAP R13 LOT 70
DOROTHY CARROLL, BRENDA C. PIERPONT & CYNTHIA C. SALO
63 WEST STREET
ROCKPORT, ME 04865

4. MAPPING PERFORMED BY E.D.D. DURING APRIL 2021 USING A TRIMBLE PRO XR SUB METER GPS UNIT WITH A RECON DATA COLLECTOR. ACCURACY UNDER IDEAL CONDITIONS IS +/- 3 FEET.
5. AERIAL SURVEY PERFORMED BY L.P.S. DURING APRIL 2021 USING A DJI PHANTOM 4 PRO UAV. FIELD SURVEY PERFORMED BY LPS ON 4/28/2021 USING A DJI PHANTOM 4 RTK.

GP1
HORIZONTAL
THIS DATA SET WAS TESTED TO MEET ASPRS POSITIONAL ACCURACY STANDARDS FOR DIGITAL GEOSPATIAL DATA (2014) FOR A 5cm RMSE_x / RMSE_y HORIZONTAL ACCURACY CLASS. ACTUAL POSITIONAL ACCURACY WAS FOUND TO BE RMSE_x = 2.1cm AND RMSE_y = 1.8cm WHICH EQUATES TO POSITIONAL HORIZONTAL ACCURACY = ± 4.8cm AT 95% CONFIDENCE LEVEL.

VERTICAL
THIS DATA SET WAS TESTED TO MEET ASPRS POSITIONAL ACCURACY STANDARDS FOR DIGITAL GEOSPATIAL DATA (2014) FOR A 5cm RMSE_z VERTICAL ACCURACY CLASS. ACTUAL NVA ACCURACY WAS FOUND TO BE RMSE_z = 4.4cm, EQUATING TO ± 8.6cm AT 95% CONFIDENCE LEVEL.

GP2
HORIZONTAL
THIS DATA SET WAS TESTED TO MEET ASPRS POSITIONAL ACCURACY STANDARDS FOR DIGITAL GEOSPATIAL DATA (2014) FOR A 5cm RMSE_x / RMSE_y HORIZONTAL ACCURACY CLASS. ACTUAL POSITIONAL ACCURACY WAS FOUND TO BE RMSE_x = 2.3cm AND RMSE_y = 2.4cm WHICH EQUATES TO POSITIONAL HORIZONTAL ACCURACY = ± 5.7cm AT 95% CONFIDENCE LEVEL.

VERTICAL
THIS DATA SET WAS TESTED TO MEET ASPRS POSITIONAL ACCURACY STANDARDS FOR DIGITAL GEOSPATIAL DATA (2014) FOR A 5cm RMSE_z VERTICAL ACCURACY CLASS. ACTUAL NVA ACCURACY WAS FOUND TO BE RMSE_z = 4.6cm, EQUATING TO ± 9.0cm AT 95% CONFIDENCE LEVEL.

GP3
HORIZONTAL
THIS DATA SET WAS TESTED TO MEET ASPRS POSITIONAL ACCURACY STANDARDS FOR DIGITAL GEOSPATIAL DATA (2014) FOR A 5cm RMSE_x / RMSE_y HORIZONTAL ACCURACY CLASS. ACTUAL POSITIONAL ACCURACY WAS FOUND TO BE RMSE_x = 2.7cm AND RMSE_y = 3.1cm WHICH EQUATES TO POSITIONAL HORIZONTAL ACCURACY = ± 7.0cm AT 95% CONFIDENCE LEVEL."

VERTICAL
THIS DATA SET WAS TESTED TO MEET ASPRS POSITIONAL ACCURACY STANDARDS FOR DIGITAL GEOSPATIAL DATA (2014) FOR A 5cm RMSE_z VERTICAL ACCURACY CLASS. ACTUAL NVA ACCURACY WAS FOUND TO BE RMSE_z = 3.3cm, EQUATING TO ± 6.4cm AT 95% CONFIDENCE LEVEL.

GP5
HORIZONTAL
THIS DATA SET WAS TESTED TO MEET ASPRS POSITIONAL ACCURACY STANDARDS FOR DIGITAL GEOSPATIAL DATA (2014) FOR A 2.5cm RMSE_x / RMSE_y HORIZONTAL ACCURACY CLASS. ACTUAL POSITIONAL ACCURACY WAS FOUND TO BE RMSE_x = 1.4cm AND RMSE_y = 1.9cm WHICH EQUATES TO POSITIONAL HORIZONTAL ACCURACY = ± 2.5cm AT 95% CONFIDENCE LEVEL."

VERTICAL
THIS DATA SET WAS TESTED TO MEET ASPRS POSITIONAL ACCURACY STANDARDS FOR DIGITAL GEOSPATIAL DATA (2014) FOR A 2.5cm RMSE_z VERTICAL ACCURACY CLASS. ACTUAL NVA ACCURACY WAS FOUND TO BE RMSE_z = 2.5cm, EQUATING TO ± 4.9cm AT 95% CONFIDENCE LEVEL.

6. HORIZONTAL DATUM BASED ON MAINE STATE PLANE EAST ZONE 1801 NAD83(2011) DERIVED FROM REDUNDANT GPS OBSERVATIONS UTILIZING THE KEYNET GPS VRS NETWORK.
7. VERTICAL DATUM IS BASED ON APPROXIMATE NAVD88(GEIOD12A) (±.2') DERIVED FROM REDUNDANT GPS OBSERVATIONS UTILIZING THE KEYNET GPS VRS NETWORK.
8. APPROXIMATE LOT LINES BASED ON REFERENCE PLAN ALIGNED TO MONUMENT DATA PROVIDED BY LANDMARK CORPORATION SURVEYORS & ENGINEERS. THIS IS NOT A BOUNDARY SURVEY AND IS ONLY TO AID THE CLIENT IN PRELIMINARY DESIGN. ADDITIONAL RESEARCH AND BOUNDARY SURVEY IS REQUIRED TO COMPLETE A BOUNDARY SURVEY THAT MEETS MAINE STATE STANDARDS.

GENERAL

1. SYMBOLS AND LEGENDS OF PROJECT FEATURES ARE GRAPHIC REPRESENTATIONS AND ARE NOT NECESSARILY SHOWN ON THE DRAWINGS TO SCALE OR TO THEIR ACTUAL DIMENSION OR LOCATION. COORDINATE DETAIL SHEET DIMENSIONS, MANUFACTURERS' LITERATURE, SHOP DRAWINGS AND FIELD MEASUREMENTS OF SUPPLIED PRODUCTS FOR LAYOUT OF THE PROJECT FEATURES.
2. DO NOT RELY SOLELY ON ELECTRONIC VERSIONS OF DRAWINGS, SPECIFICATIONS, AND DATA FILES THAT ARE PROVIDED BY THE ENGINEER. FIELD VERIFY LOCATION OF PROJECT FEATURES.
3. PERFORM NECESSARY CONSTRUCTION NOTIFICATIONS, APPLY FOR AND OBTAIN NECESSARY PERMITS, PAY FEES, AND POST BONDS ASSOCIATED WITH THE WORK AS REQUIRED BY THE CONTRACT DOCUMENTS.
4. PLEASE READ ALL OTHER NOTES ON THIS PAGE. THEY CONTAIN INFORMATION RELATED TO AND ASSOCIATED WITH THIS PROJECT AND DESIGN.
5. IF, DURING CONSTRUCTION, IT BECOMES APPARENT THAT DEFICIENCIES EXIST IN THE APPROVED DRAWINGS, THE OWNER SHALL BE REQUIRED TO CORRECT THE DEFICIENCIES TO MEET THE REQUIREMENTS OF THE REGULATIONS AT NO EXPENSE TO THE TOWN.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE THEMSELVES WITH THE SITE AND EXISTING CONDITIONS SURROUNDING IT AND THEREON. THE CONTRACTOR SHALL ADVISE THE APPROPRIATE AUTHORITY OF HIS INTENTIONS AT LEAST 48 HOURS IN ADVANCE.
7. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO THE TOWN OF TOPSHAM REGULATIONS, TOPSHAM PUBLIC WORKS DEPARTMENT STANDARD SPECIFICATIONS, AND THE LATEST EDITION OF THE MAINE DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. ALL CONSTRUCTION DETAILS SHALL BE IN ACCORDANCE WITH THE TOWN OF TOPSHAM.
8. THE CONTRACTOR SHALL BID AND PERFORM THE WORK IN ACCORDANCE WITH ALL LOCAL, STATE AND NATIONAL CODES, SPECIFICATIONS, REGULATIONS, AND STANDARDS.
9. THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND FOR CONDITIONS AT THE SITE. THESE PLANS, PREPARED BY FUSS & O'NEILL, DO NOT EXTEND TO OR INCLUDE SYSTEMS PERTAINING TO THE SAFETY OF THE CONSTRUCTION CONTRACTOR OR THEIR EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK. THE SEAL OF THE SURVEYOR OR ENGINEER HERE ON DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS THAT MAY NOW OR HEREAFTER BE INCORPORATED INTO THESE PLANS. THE CONSTRUCTION CONTRACTOR SHALL PREPARE OR OBTAIN THE APPROPRIATE SAFETY SYSTEMS WHICH MAY BE REQUIRED BY THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND/OR LOCAL REGULATIONS.
10. NO TEMPORARY FILL INCLUDING TIMBER MATTING OR TRENCHING SHALL OCCUR IN WETLANDS NOT DIRECTLY ASSOCIATED WITH WETLAND CROSSINGS.

WORK RESTRICTIONS

1. DO NOT CLOSE OR OBSTRUCT ROADWAYS, SIDEWALKS, FIRE HYDRANTS, AND UTILITIES WITHOUT APPROPRIATE PERMITS.
2. WORK IS RESTRICTED TO THE HOURS OF 6AM TO 6PM ON MONDAY THROUGH FRIDAY. WEEKENDS AND HOLIDAYS, THE HOURS OF OPERATION SHALL BE LIMITED TO 7AM THROUGH NOON.

REGULATORY REQUIREMENTS

1. WITHIN LOCAL RIGHTS-OF-WAY, PERFORM THE WORK IN ACCORDANCE WITH LOCAL MUNICIPAL STANDARDS.
2. WITHIN STATE RIGHTS-OF-WAY, PERFORM THE WORK IN ACCORDANCE WITH THE LATEST EDITION OF THE DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS AND ISSUED REVISIONS/SUPPLEMENTS.
3. PROVIDE TRAFFIC SIGNAGE AND PAVEMENT MARKINGS IN CONFORMANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
4. BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. PERFORM CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL REQUIREMENTS.
5. DISPOSE OF DEMOLITION DEBRIS IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, ORDINANCES AND STATUTES.
6. THIS PROJECT DISTURBS MORE THAN ONE ACRE OF LAND AND FALLS WITHIN THE MAINE DEP MULTI-SECTOR GENERAL PERMIT FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES GENERAL PERMIT PROCESS. TOPSHAM MEADOW SOLAR STATION LLC, HAS SUBMITTED INFORMATION TO THE DEP TO SATISFY THIS GENERAL PERMIT. THE CONTRACTOR MUST HAVE A COPY OF THIS GENERAL PERMIT ON SITE AT ALL TIMES.

EROSION AND SEDIMENT CONTROL

1. INSTALL EROSION CONTROL MEASURES PRIOR TO STARTING ANY WORK ON THE SITE. REFER TO THE EROSION AND SEDIMENT CONTROL DRAWINGS.
2. IMPLEMENT ALL NECESSARY MEASURES REQUIRED TO CONTROL STORMWATER

- RUNOFF, DUST, SEDIMENT, AND DEBRIS FROM EXITING THE SITE. PERFORM CORRECTIVE ACTION AS NEEDED FOR EROSION CLEANUP AND REPAIRS TO OFF SITE AREAS, IF ANY, AT NO COST TO OWNER.
3. INSPECT AND MAINTAIN EROSION CONTROL MEASURES PER THE SCHEDULE IN THE EROSION AND SEDIMENT CONTROL DRAWINGS. DISPOSE OF SEDIMENT IN AN UPLAND AREA. DO NOT ENCUMBER OTHER DRAINAGE STRUCTURES AND PROTECTED AREAS.
 4. PERFORM CONSTRUCTION SEQUENCING IN SUCH A MANNER TO CONTROL EROSION AND TO MINIMIZE THE TIME THAT EARTH MATERIALS ARE EXPOSED BEFORE THEY ARE COVERED, SEEDED, OR OTHERWISE STABILIZED.
 5. UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER, REMOVE AND DISPOSE OF TEMPORARY EROSION CONTROL MEASURES. CLEAN SEDIMENT AND DEBRIS FROM TEMPORARY MEASURES AND FROM PERMANENT STORM DRAIN AND SANITARY SEWER SYSTEMS.

CONSTRUCTION LAYOUT

1. PROVIDE PROPER TRANSITIONS BETWEEN EXISTING AND PROPOSED SITE IMPROVEMENTS. FIELD VERIFY EXISTING PAVEMENT AND GROUND ELEVATIONS AT THE INTERFACE WITH PROPOSED PAVEMENTS AND DRAINAGE STRUCTURES BEFORE START OF CONSTRUCTION.
2. PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION, FIELD VERIFY PROPOSED UTILITY ROUTES AND IDENTIFY ANY INTERFERENCES OR OBSTRUCTIONS WITH EXISTING UTILITIES OR PUBLIC RIGHTS-OF-WAY.
3. IMMEDIATELY INFORM THE ENGINEER IN WRITING IF EXISTING UTILITY CONDITIONS CONFLICT OR DIFFER FROM THAT INDICATED AND IF THE WORK CANNOT BE COMPLETED AS INDICATED.
4. DIMENSIONS ARE FROM FACE OF CURB, FACE OF BUILDING, FACE OF WALL, AND CENTER LINE OF PAVEMENT MARKINGS, UNLESS NOTED OTHERWISE.
5. BOUNDS OR MONUMENTATION DISTURBED DURING CONSTRUCTION SHALL BE SET OR RESET BY A PROFESSIONAL LICENSED SURVEYOR.

EARTHWORK

1. NOTIFY UTILITY LOCATOR SERVICE AT LEAST 72 HOURS BEFORE STARTING EXCAVATION.

CALL DIGSAFE: 1-888-DIG-SAFE
2. STOP WORK IN THE VICINITY OF SUSPECTED CONTAMINATED SOIL, GROUNDWATER OR OTHER MEDIA. IMMEDIATELY NOTIFY THE OWNER SO THAT APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN. RESUME WORK IN THE IMMEDIATE VICINITY ONLY UPON DIRECTION BY THE OWNER.

GENERAL SITE RESTORATION

1. PROVIDE 6 INCHES OF TOPSOIL AND SEED TO AREAS DISTURBED DURING CONSTRUCTION AND NOT DESIGNATED TO BE RESTORED WITH IMPERVIOUS SURFACES (BUILDINGS, PAVEMENTS, WALKS, ETC.) UNLESS OTHERWISE NOTED.
2. REPAIR DAMAGES RESULTING FROM CONSTRUCTION LOADS, AT NO ADDITIONAL COST TO OWNER.
3. RESTORE AREAS DISTURBED BY CONSTRUCTION OPERATIONS TO THEIR ORIGINAL CONDITION OR BETTER, AT NO ADDITIONAL COST TO OWNER.

UTILITIES

1. TERMINATE EXISTING UTILITIES IN CONFORMANCE WITH LOCAL, STATE AND INDIVIDUAL UTILITY COMPANY STANDARD SPECIFICATIONS AND DETAILS. COORDINATE UTILITY SERVICE DISCONNECTS WITH UTILITY REPRESENTATIVES.
2. THE TYPE, SIZE AND LOCATION OF DEPICTED UNDERGROUND UTILITIES ARE APPROXIMATE REPRESENTATIONS OF INFORMATION OBTAINED FROM FIELD LOCATIONS OF VISIBLE FEATURES, EXISTING MAPS AND PLANS OF RECORD, UTILITY MAPPING, AND OTHER SOURCES OF INFORMATION OBTAINED BY THE ENGINEER. ASSUME NO GUARANTEE AS TO THE COMPLETENESS, SERVICEABILITY, EXISTENCE, OR ACCURACY OF UNDERGROUND FACILITIES. FIELD VERIFY THE EXACT LOCATIONS, SIZES, AND ELEVATIONS OF THE POINTS OF CONNECTIONS TO EXISTING UTILITIES.
3. PAY ALL FEES AND COSTS ASSOCIATED WITH UTILITY MODIFICATIONS AND CONNECTIONS, REGARDLESS OF THE ENTITY THAT PERFORMS THE WORK.
4. COORDINATE THE WORK AND WORK SCHEDULE WITH UTILITY COMPANIES. PROVIDE ADEQUATE NOTICE TO UTILITIES TO PREVENT DELAYS IN CONSTRUCTION.
5. INTERIOR DIAMETERS OF STORM DRAIN AND SANITARY SEWER STRUCTURES SHALL BE DETERMINED BY THE PRECAST MANUFACTURER, BASED ON THE INDICATED PIPE SYSTEM LAYOUT AND LOCAL MUNICIPAL STANDARDS.

MINIMUM INTERIOR DIAMETERS:
0 TO 20 FEET DEEP; 4 FEET.
20 FEET OR GREATER; 5 FEET.

6. RIM ELEVATIONS FOR MANHOLES, VALVE COVERS, GATE AND PULL BOXES, AND OTHER STRUCTURES ARE APPROXIMATE. SET OR RESET RIM ELEVATIONS AS FOLLOWS:

IN PAVEMENTS AND CONCRETE SURFACES: FLUSH
IN SURFACES ALONG ACCESSIBLE ROUTES: FLUSH
IN LANDSCAPE, SEEDED, AND OTHER EARTH SURFACE AREAS:
1 INCH ABOVE SURROUNDING AREA; TAPER EARTH TO RIM ELEVATION.
7. INSTALL PROPOSED PRIVATE UTILITY SERVICES ACCORDING TO THE REQUIREMENTS PROVIDED BY, AND APPROVED BY THE AUTHORITY HAVING JURISDICTION (WATER, SEWER, GAS, TELEPHONE, ELECTRIC, FIRE ALARM, ETC.). COORDINATE FINAL DESIGN LOADS AND LOCATIONS WITH OWNER AND ARCHITECT.

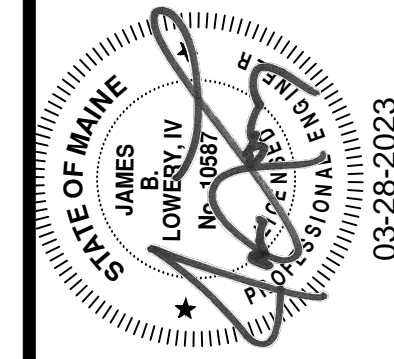
CONTACT INFORMATION:

WARREN CEO: MELODY SAINIO
ceo@warrenmaine.com
PHONE - (207) 273-2421

WARREN PUBLIC WORKS: DOUG GAMMON - FOREMAN

ELECTRIC: CENTRAL MAINE POWER COMPANY

NO.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.	03/23/2023	REVISED PER MAINE DEP REVIEW	MRT / JVA	JBL
2.	04/20/2022	SUBMISSION TO TOWN OF WARREN	MRT / JVA	JBL
3.	07/05/2022	REVISED PER TOWN REVIEW	MRT / JVA	JBL
4.	03/23/2023	REVISED PER MAINE DEP REVIEW	MRT / JVA	JBL

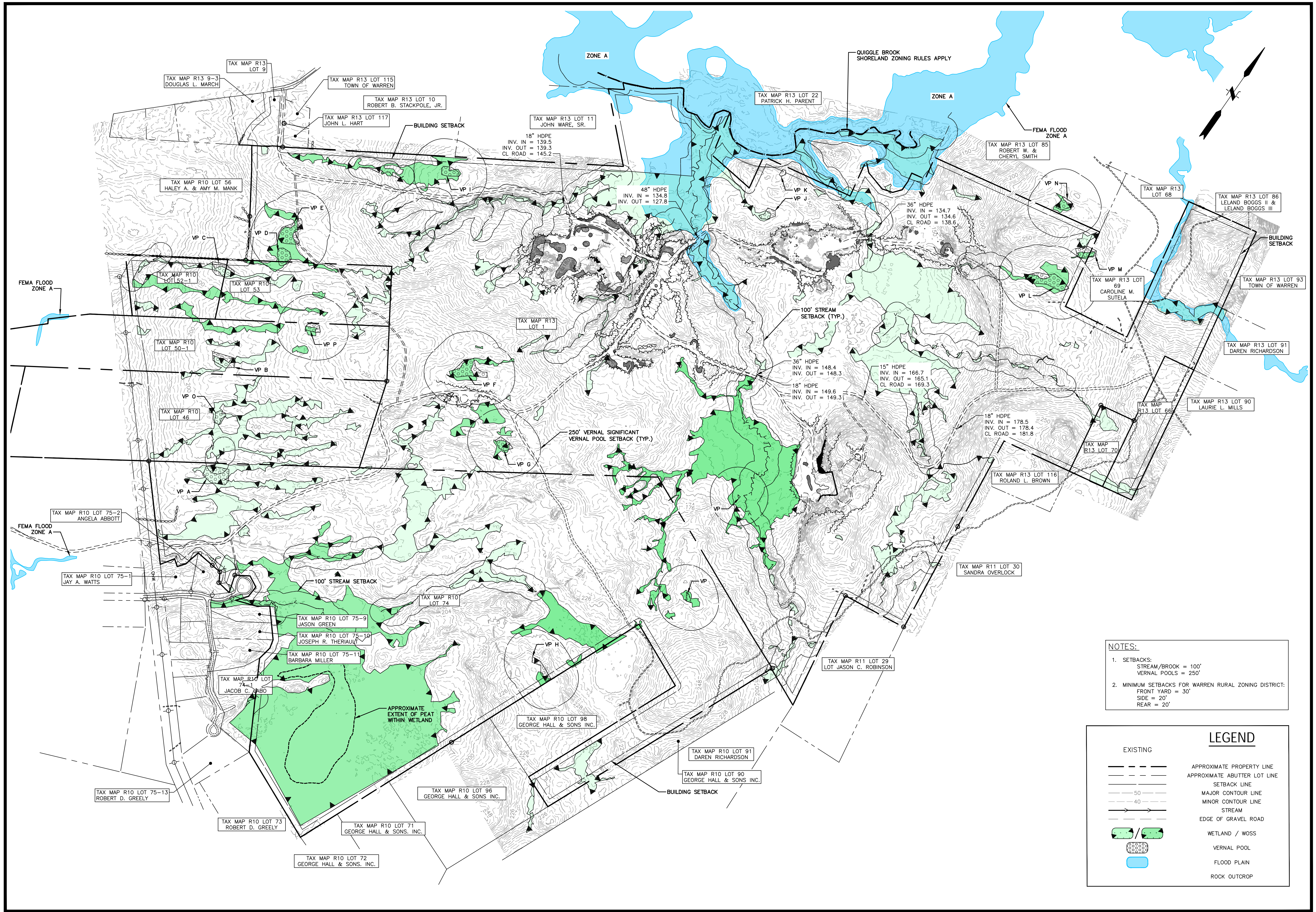


SCALE:	HORIZ.:	VERT.:	DATUM:
N/A	N/A	N/A	NAD83
			NAVD88

FUSS & O'NEILL
5 FLETCHER STREET, SUITE 1
KENNEBUNK, MAINE 04843
207.383.0689
www.fandoc.com

WARREN MEADOW SOLAR STATION
GLENVALE LLC
GENERAL NOTES
WOTTONS MILL ROAD
WARREN MAINE

PROJ. No.: 20190588.C30
DATE: 03/23/2022
CN-001
SHEET 2 OF 43



NOTES:

- SETBACKS:
 STREAM / BROOK = 100'
 VERNAL POOLS = 250'
- MINIMUM SETBACKS FOR WARREN RURAL ZONING DISTRICT:
 FRONT YARD = 30'
 SIDE = 20'
 REAR = 20'

LEGEND	
	EXISTING
	APPROXIMATE PROPERTY LINE
	APPROXIMATE ABUTTER LOT LINE
	SETBACK LINE
	MAJOR CONTOUR LINE
	MINOR CONTOUR LINE
	STREAM
	EDGE OF GRAVEL ROAD
	WETLAND / WOSS
	VERNAL POOL
	FLOOD PLAIN
	ROCK OUTCROP

WARREN MEADOW SOLAR STATION
 GLENVALE LLC

EXISTING CONDITIONS PLAN
 WOTTONS MILL ROAD
 WARREN MAINE

PROJ. No.: 20190588.C30
 DATE: 03/23/2022

EX-101

SHEET 3 OF 43

SCALE: HORIZ.: 1" = 400'
 VERT.: N/A

DATUM: NAD83
 VERT.: NGVD29

GRAPHIC SCALE

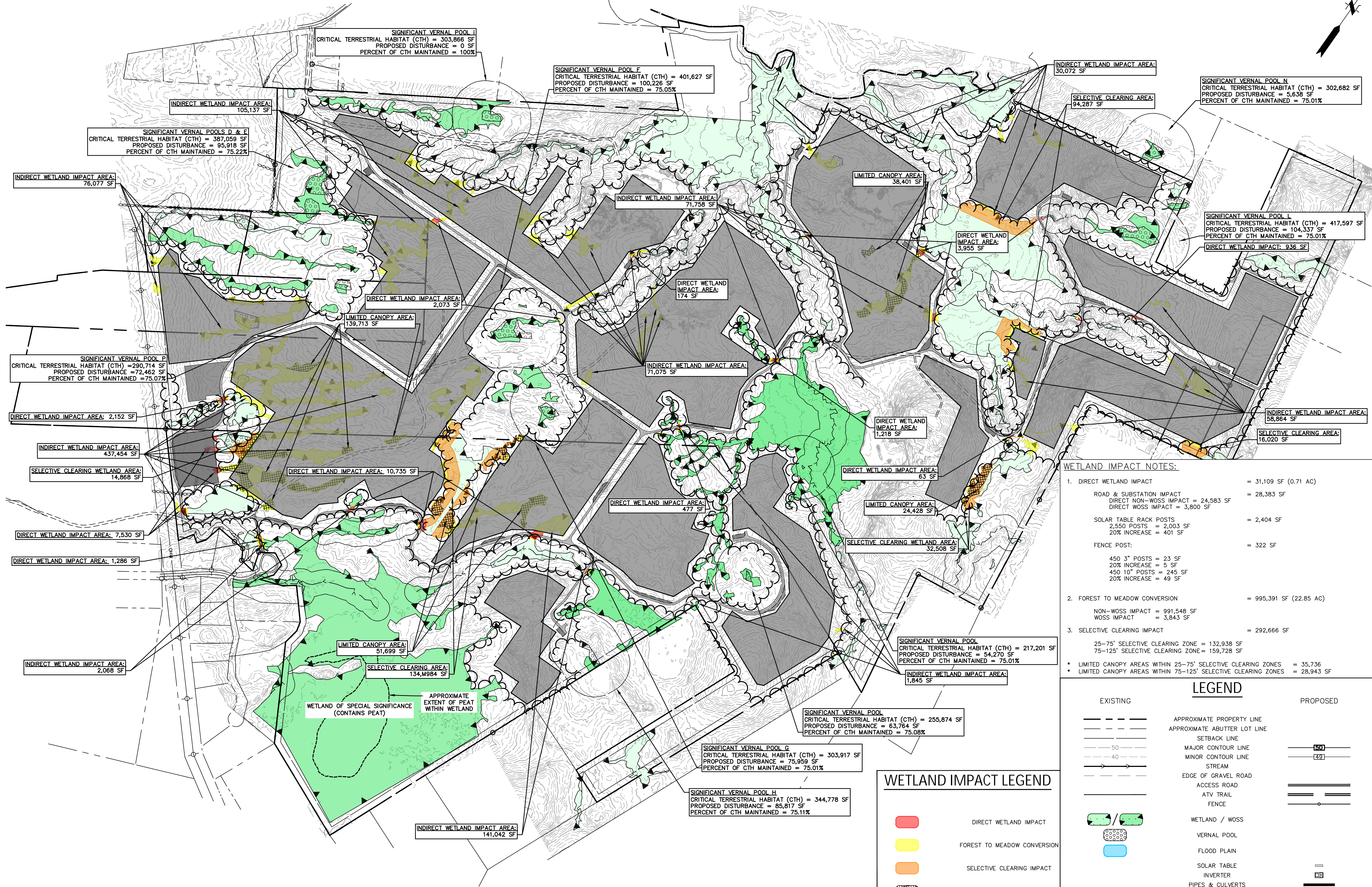
STATE OF MAINE
 JAMES B. COOPER
 REGISTERED PROFESSIONAL ENGINEER
 No. 04887

REVISIONS

No.	DATE	DESCRIPTION	DESIGNER/REVIEWER
1.	03/21/2022	MAINE DEP SUBMISSION	JBL
2.	04/20/2022	SUBMISSION TO TOWN OF WARREN	JBL
3.	07/05/2022	REVISED PER TOWN REVIEW	MRT / JVA
4.	03/23/2023	REVISED PER MAINE DEP REVIEW	MRT / JVA

03-28-2023

File Path: J:\DWG\GP20190588\C30\Civil\Plan\20190588C30_GRA01.dwg Layout: WETLAND IMPACT PLAN Plotted: Mon, March 27, 2023 - 8:50 AM User: jandretta
 Plotter: DWG TO PDF PLOT3 CTB File: FO.STB
 LAYER STATE: MIS VIEW:



WETLAND IMPACT NOTES:

1. DIRECT WETLAND IMPACT	= 31,109 SF (0.71 AC)
ROAD & SUBSTATION IMPACT	= 28,383 SF
DIRECT NON-WOSS IMPACT	= 3,800 SF
DIRECT WOSS IMPACT	= 2,404 SF
SOLAR TABLE RACK POSTS	= 2,404 SF
2,550 POSTS	= 2,003 SF
20% INCREASE	= 401 SF
FENCE POST:	= 322 SF
450 3" POSTS	= 23 SF
20% INCREASE	= 5 SF
450 10" POSTS	= 245 SF
20% INCREASE	= 49 SF
2. FOREST TO MEADOW CONVERSION	= 995,391 SF (22.85 AC)
NON-WOSS IMPACT	= 991,548 SF
WOSS IMPACT	= 3,843 SF
3. SELECTIVE CLEARING IMPACT	= 292,666 SF
25-75' SELECTIVE CLEARING ZONE	= 132,938 SF
75-125' SELECTIVE CLEARING ZONE	= 159,728 SF
* LIMITED CANOPY AREAS WITHIN 25-75' SELECTIVE CLEARING ZONES	= 35,736
* LIMITED CANOPY AREAS WITHIN 75-125' SELECTIVE CLEARING ZONES	= 28,943 SF

WETLAND IMPACT LEGEND

	DIRECT WETLAND IMPACT
	FOREST TO MEADOW CONVERSION
	SELECTIVE CLEARING IMPACT
	LIMITED CANOPY AREA

LEGEND

	EXISTING	APPROXIMATE PROPERTY LINE	PROPOSED
		APPROXIMATE ABUTTER LOT LINE	
		SETBACK LINE	
		MAJOR CONTOUR LINE	
		MINOR CONTOUR LINE	
		STREAM	
		EDGE OF GRAVEL ROAD	
		ACCESS ROAD	
		ATV TRAIL	
		FENCE	
		WETLAND / WOSS	
		VERNAL POOL	
		FLOOD PLAIN	
		SOLAR TABLE	
		INVERTER	
		PIPES & CULVERTS	
		SWALE	

WARREN MEADOW SOLAR STATION
 GLENVALE LLC
WETLAND IMPACT PLAN
 WOTTONS MILL ROAD
 WARREN MAINE

PROJ. No.: 20190588.C30
 DATE: 03/23/2022

CS-110
 SHEET 4 OF 48

SCALE: HORZ.: 1" = 400'
 VERT.: N/A
 DATUM: NAD83
 HORZ.: NAD83
 VERT.: NAVD88
 400 200 0 400
 GRAPHIC SCALE

FUSS & O'NEILL
 5 FLETCHER STREET, SUITE 1
 KENNEBUNK, MAINE 04843
 207.383.0689
 www.fandoo.com

No.	DATE	REVISION	DESIGNER/REVIEWER
1.	03/21/2022	MAINE DEP SUBMISSION	JBL
2.	04/20/2022	SUBMISSION TO TOWN OF WARREN	JBL
3.	07/05/2022	REVISED PER TOWN REVIEW	JBL
4.	03/23/2023	REVISED PER MAINE DEP REVIEW	JBL

STATE OF MAINE
 JAMES B. COOPER
 No. 04887
 REGISTERED PROFESSIONAL ENGINEER
 03-28-2023