JAMIE WHITEHOUSE, AICP, MRTPI DIRECTOR OF PLANNING & ZONING (302) 855-7878 T (302) 854-5079 F jamie.whitehouse@sussexcountyde.gov



## Sussex County

DELAWARE sussexcountyde.gov

#### Memorandum

To: Sussex County Planning Commission Members

From: Jamie Whitehouse, Director, Department of Planning & Zoning; Jenny Norwood, Planning and Zoning Manager; Lauren DeVore, Planner III; Christin Scott, Planner I; Nicholas Torrance, Planner I; Chase Phillips, Planner I; and Elliott Young, Planner I

CC: Vince Robertson, Assistant County Attorney

Date: August 19, 2021

RE: Other Business for the August 26, 2021 Planning Commission Meeting

This memo is to provide background for the Planning Commission to consider as a part of the Other Business to be reviewed during the August 26, 2021 Planning Commission meeting.

#### Heron Bay Subdivision (2003-14)

KS

Request to Amend Conditions of Approval

This is a Request to Amend the Conditions of Approval for the previously approved Heron Bay Subdivision. The Final Subdivion Plan for Heron Bay was approved by the Planning & Zoning Commission at their meeting of Thursday, May 12, 2005. Specifically, the request is to strike the condition that states, "The Applicant has agreed to install a multi-modal paved path throughout the project that will be 5 feet wide and separated from the streets by a 3 foot wide grass area." A signed agreement for the removal of sidewalks has been agreed upon by the HOA and the Developer and the signed agreement has been included in the paperless packet. The Planning and Zoning Commission previously heard this request at their meeting of July 8th, 2021. The Planning and Zoning Commission requested a poll of the community and staff have since received those results where 80% of all lot owners voted in favor of the removal of sidewalks in the community. The full results were provided in the paperless packet. Tax Parcels: 234-5.00 Parcels 211.00 through 541.00. Zoning: AR-1 (Agricultural Residential) Zoning District.

#### Heimlich Solar Farm (S-21-17) (C/U 2251)

KH

Preliminary Site Plan

This is a Preliminary Site Plan for Heimlich Solar Farm for the creation of a 31.8 acre +/- solar farm and other site improvements to be located on the east side of Mile Stretch Road (S.C.R 590). Conditional Use No. 2251 was approved by the Sussex County Council at their meeting of Tuesday April 13, 2021 and adopted through Ordinance No. 2767. The Preliminary Site Plan complies with the Sussex County Zoning Code and all Conditions of Approval. Tax Parcel: 530-13.00-10.00 Zoning: GR (General Residential) Zoning District. Staff are awaiting agency approvals.



105 Foulk Road Wilmington, DE 19803

HERON BAY ASSOCIATES, LLC HERON BAY PROPERTY OWNERS ASSOCIATION, INC.

April 15, 2021

Via Federal Express Sussex County Planning & Zoning Commission 2 The Circle Georgetown, DE 19947

> RE: Heron Bay Record Major Subdivision Plan - Removal of Sidewalks

Dear Members:

The undersigned, being the interested parties in the above-referenced matter, write to hereby jointly confirm their agreement to the removal of all sidewalks and any provision therefor from the final record plan for Heron Bay, as per the enclosed draft Record Major Subdivision Plan now pending approval by Sussex County.

Thank you for your consideration and assistance in this matter.

Heron Bay Associates, LLC

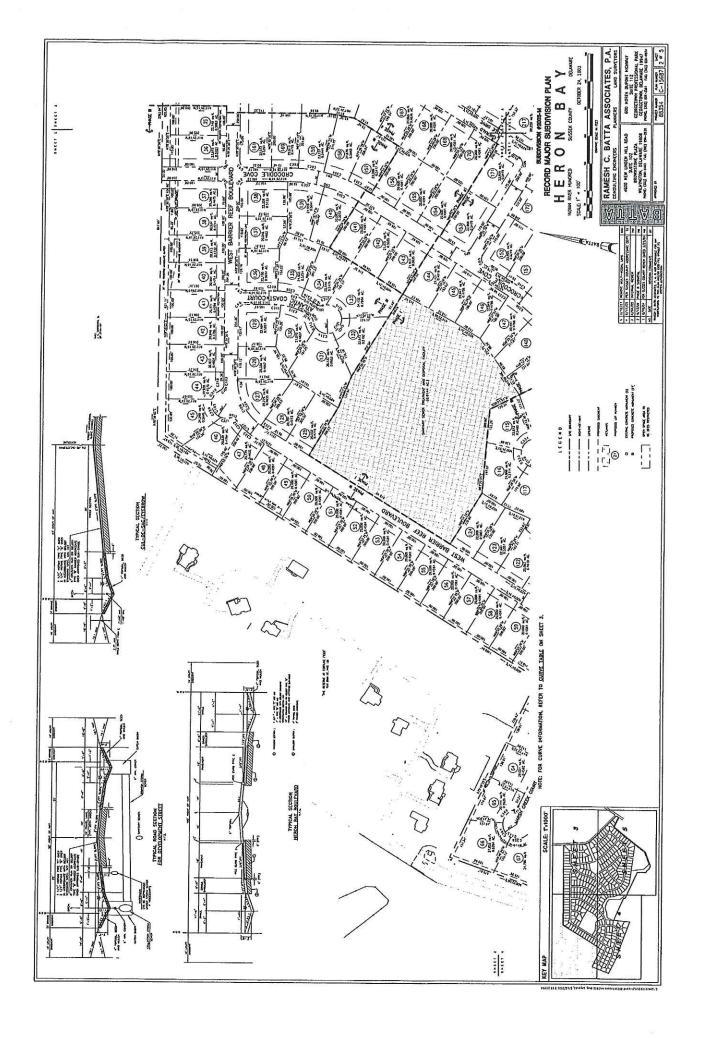
By:

Louis Capano, III, Manager

Heron Bay Property Owners Association, Inc.

President Kreasures

cc: Hans M. Medlarz, P.E. (Sussex Engineering) (via email)



YES	NO	Owner	Heron Address
1		Acevedo, Hermen & Sonja	30410 E Barrier Reef
1		Alia, Anthony & Kathleen	30010 W Barrier Reef
1		Allen, Michael & Margaret	30168 Regatta Bay
		Andrews, Jim & Maria	30180 Regatta Bay
1		Angelucci, Raymond & Phyllis	21145 Sand Dollar
1		Arno/ Garnet	21186 Sand Dollar
1		Arnst, Megan	29991 Crocodile Cove
1		Atsalis, Gus & Kalliope	21092 Emerald Isle
	1	Baker, Frances aka Cooter Sunrise LLC***	30327 Clamshell Lane
		Barbieri, Maria	30414 E Barrier Reef
1		Becker, Suzanne	21154 Sand Dollar
		Beeson, Harold & Alana	21265 Alligator
1		Bizenzza, Irene	21085 Emerald Isle
1		Blades, Bryan & Suzana	30340 Clamshell Lane
1		Bledsoe, Janet	21260 Alligator
1		Bonner, John & Mary Anne	30419 E Barrier Reef
1		Bott/English	29999 W Barrier Reef
1		Bourbonnais, Paula	30176 Regatta Bay
1		Bowers, Mark & Nancy	30018 W. Barrier Reef
1		Brase, Sheila	29989 W Barrier Reef
		Brautigan Kim & Kathy	21151 Sand Dollar
		Breslin, Peter & Anita	21101 Emerlad Isle
1		Brody, Joyce	21155 Sand Dollar
		Bromwell, James	30210 Regatta Bay
1		Brooks, Leonard	30221 Regatta Bay
		Brotz, David & Dreamalee	30145 Regatta Bay
1		Brown/Choquette	30217 Regatta Bay
		Byers, William & Debra	29811 Pelican Point
1		Campo, Joseph & Gertrude	30062 W Barrier Reef
1		Campo, Rosario Sal	30048 W Barrier Reef
		Carey, Lisa	21082 Emerald Isle
		Cassol/Ayers	21109 Emerald Isle
1		Cholak, Phillip & Kathryn	21148 Sand Dollar
1		Cifone/Digiorgio	30060 W Barrier Reef
		Clary, Charles & Tracy	30050 W Barrier Reef
		Coleman, Vincent	30044 W Barrier Reef
1		Comiski, Robbin	21088 Emerald Isle
		Connell, Barbara	21202 Sand Dollar
1		Consalvo, Charles & Joy	21167 Sand Dollar
1		Corby, Robert & Ellen	21128 Sand Dollar
1		Cunningham, Stephen & Deborah	30014 W Barrier Reef

1		Currier, Alicia	30424 E Barrier Reef
		Cusack, Katherine	30416 E Barrier Reef
1		Dagg, Kevin & Paige	29982 Crocodile Cove
1		Dalrymple, Catherine	30038 W Barrier Reef
1		Dancsecs, Bruce	21129 Sand Dollar
1		Davall, Normajane	30350 Clamshell Lane
1		Davino, John & Janice	21094 Emerald Isle
1		Davis, Kathleen	21176 Sand Dollar
		Decarlo, Barry & Barbara	30218 Regatta Bay
1		Decker, Robert & Marie	29965 Crocodile Cove
1		Deely, Michael & Rachel	30314 Clamshell Lane
1		DeMuzio, Arnold & Lois	29993 W Barrier Reef
1		Detterline, Edgar & Marie	21206 Sand Dollar
1		Dever, Albert & Margaret	30128 Regatta Bay
1		DiGiorgio/Sarubbi	30064 W Barrier Reef
1		Dimopoulos, Nikolaos & Tia Marie	21090 Atlantic Coast
	1	Dolce Group	30096 Regatta Bay
1		Dorazio, Dominick & Rose	30099 W Barrier Reef
1		Drinkwine, Howard & Katherine	29974 Crocodile Cv
1		Drumheller, John & Maria	30104 Regatta Bay
1		Duda, Christy	30220 Regatta Bay
1		Dugan/DiMauro	30214 Regatta Bay
		Duncan, Jenifer & Gravell, Harry (Wade)	29981 Crocodile Cove
1		Dunworth, John & Carol	30069 W Barrier Reef
1		Dycio, Jason & Kimberly	30095 W Barrier Reef
1		Edwards, Timothy & Carolyn	30054 W Barrier Reef
		Emory, Donna	21180 Sand Dollar
		Emry, Max	21176 Sand Dollar
1		Ermer, Balinda	30039 W Barrier Reef
1		Evans, Kevin & Pamela	30012 W Barrier Reef
1		Fallers, Patricia	30154 Regatta Bay
1		Faries, Robert	30135 Regatta Bay
1		Fenimore, Aaron	21269 Alligator Alley
1		Ferguson, Jeffery & Theresa	21268 Alligator
		Ferrante Marino	30170 Regatta Bay
		Ferrante, Fernando & Lindsay	30174 Regatta Bay
1		Fillucco, Bernard & Joann	30422 E Barrier Reef
1		Flanagan, Joseph & Crystal	30425 E Barrier Reef
1		Flowers, Bill	30188 Regatta Bay
	1	Fontana, Dominic & June Tina	29812 Pelican Point
1		Forbes, Justin	30124 Regatta Bay
1		Francione, Dorothy	30219 Regatta Bay

1	Fraulo, Donald & Marilyn	21149 Sand Dollar
	Gachine, Joseph	30430 E Barrier Reef
1	Gallo, Domenic & Mary	30153 Regatta Bay
	Galloway, Shaun	21270 Alligator
1	Gantz/Geist	29980 Crocodile Cove
1	Geldof, David & Tiffany	30148 Regatta Bay
1	Grierson, Debra & Paul	29990 Crocodile Cv
1	Hagan, William	21106 Emerald Isle
1	Haney, Eugene, Laura & Danielle	30223 Regatta Bay
1	Haney, Paul & Laura 29982	29982 W Barrier Reef
1	Harrison, Charles & Linda	30158 Regatta Bay
	Hartford, John & Nancy	21191 Sand Dollar
1	Hastings, Michael	21158 Sand Dollar
1	Henderson, Tyrone	30427 E Barrier Reef
1	Heyse, Carol	29961 Crocodile Cove
	Hickman, Diane & Willis	30118 Regatta Bay
1	Hinger, Carol	29967 Crocodile Cove
1	Hitchens, Donna	21193 Sand Dollar
1	Hodgins, Daniel	30134 Regatta Bay
1	Holubinka, Peter & Madeline	30119 Regatta Bay
1	Hudson/Broomall	30200 Regatta Bay
1	Hutchison, Kristine	30152 Regatta Bay
1	Irwin, Barry	21204 Sand Dollar
1	Jackson, Patrick & Jami	30438 E Barrier Reef
	Jacona, Andrew	30141 Regatta Bay
	Jacona, Chris & Bobbi Jacona	30140 Regatta Bay
1	Jensen, Ralph & Rosemary	21185 Sand Dollar
	Johnson, Winona	21089 Emerald Isle
1	Jones, Harry & June	29973 Crocodile Cove
1	Jones, Kenneth & Karen	21152 Sand Dollar
1	Jones, Phillip & Terry	30028 W Barrier Re
1	Jordan, Bill & Barbara	30121 Regatta Bay
1	Jordan, Michelle	21264 Alligator
1	Joynes, David & Elizabeth	30061 W Barrier Reef
1	Joynes, Jessica (Wall)	21259 Alligator
1	Jump, Tyler	29983 Crocodile Cove
1	Kassees, John & Shelley	30024 W Barrier Reef
1	Keller, Karen	30112 Regatta Bay
1	Kempski, Maria	30100 Regatta Bay
1	Kerstetter, Kelly	30199 Regatta Bay
1	King/Anderson	21088 Atlantic Coast
1	Koch, Kenneth & Kerry	30333 Clamshell Lane

1	Kreitzer, William & Yvonne	30329 Clamshell Lane
	Kuchar, Seth	30191 Regatta Bay
1	Kuehnl, Robert & Yvonne	30047 W Barrier Reef
1	Lamar, John & Connie	30053 W Barrier Reef
1	Lanouette, Shawn & Elizabe	eth 30151 Regatta Bay
1	Lavezzo, Richard & Donna	21177 Sand Dollar
1	Lento, Michael & Lisa	29813 Pelican Point
1	Lewis, Rich & Dawn	29964 Crocodile Cove
1	Libkey, William & Kathleen	21162 Sand Dollar
	Limmina, Yatze	30429 E Barrier Reef
	Lloyd, Richard & Darlene	30084 W Barrier Reef
1	Lopez, John & Suk Hee Eliza	abeth 30108 Regatta Bay
1	Lordon, Christopher	21139 Sand Dollar
1	Lowe, Carol	30190 Regatta Bay
	Macera, John & Dottie	20638 Hopkins
1	Mack, Richard & Casimira	29977 Crocodile Cove
1	Madeira, David & Pamela	21163 Sand Dollar
	Mahoney, James & Joyce	30347 Clamshell Lane
1	Manerchia, Anthony	30122 Regatta Bay
1	Manning, Elizabeth	30030 W Barrier Reef
	1 Mansfield, Richard & Rose	Marie 30034 W Barrier Reef
1	Martin, Ashley	30415 E Barrier Reef
1	Martin, Regina	30328 Clamshell Lane
1	Massoni, Frank & Michele	29957 Crocodile Cove
1	Matyniak, Bernard & Kimbe	erly 21205 Sand Dollar
1	Mayo/Dyson	30206 Regatta Bay
1	McCann /Huhn	21179 Sand Dollar
	McClure, Casey	30138 Regatta Bay
1	McCurdy, Bill & Barbara	30131 Regatta Bay
1	McGehrin, Patrick & Victori	ia 30090 Regatta Bay
1	McKinney, Michael & Darle	ne 30057 W Barrier Reef
	McVey, William & Marie	21196 Sand Dollar
	Medina, Tomas	30209 Regatta Bay
1	Mihalca, Gheorghe & Anca	21187 Sand Dollar
1	Miksch, Gary & Carolyn	21085 Atlantic Coast
1	Miller, Mark	21263 Alligator
1	Miller, Warren	29976 Crocodile Cove
1	Miller/Adams	21161 Sand Dollar
1	Mohl, William	29987 Crocodile Cove
1	Morris, Frank	30022 W Barrier Reef
	Moss, Tony & Maureen	30211 Regatta Bay
	Neenan, Mary Jane	30116 Regatta Bay

	1	New, Timothy & Erica	30088 W. Barrier Reef
1		Nicholson, Eldred & Dorothy	30115 Regatta Bay
1		Ochman, William & Debra Papa	29994 Crocodile Cv
1		Oliver, James & Mary	30066 W Barrier Reef
1		Orth, Marjorie	30102 W. Barrier Reef
1		Ossman, Roger & Ann	30198 Regatta Bay
1		Ostasewski, Joshua & Brittany	29941 Crocodile Cove
1		O'Such, Peter & Patricia	30033 W Barrier Reef
1		O'Sullivan, Ryan	21095 Emerald Isle
1		O'Sullivan, Susan	30025 W Barrier Reef
1		Paiper, John & Alice	30318 Clamshell Lane
1		Parr, Cynthia	30162 Regatta Bay
		Paul, Sean	30182 Regatta Bay
1		Perrera, Stephen & Marian	29986 Crocodile Cove
		Perry, Dwaine & Jewel	30146 Regatta Bay
1		Petuya, Janet	30212 Regatta Bay
		Piazza, John	30411 E Barrier Reef
		Pirog, Paul & Joann	30056 W Barrier Reef
1		Pollinger, Carole Lea	30167 Regatta Bay
		Poore, Jason & Renea	30142 Regatta Bay
1		Powell, Paul & Lillian	30404 E. Barrier Reef
		Powers, Jacquelyn	30175 Regatta Bay
		Quigley, James	21134 Sand Dollar
		Quinan, Bruce & Shirley	21091 Emerald Isle
1		Quinn, Ann	21097 Emerald Isle
1		Rafter, Diana	30222 Regatta Bay
1		Regar, Ralph	21201 Sand Dollar
		Reiter, James	30213 Regatta Bay
1		Repetti, Doug & Roberta	30147 Regatta Bay
1		Riberio, Tom & Gail	21142 Sand Dollar
1		Richmond, Clifford	21195 Sand Dollar
		Ritts, Anthony & Marlene	30194 Regatta Bay
1		Roccia, Robert	21098 Emerald Isle
1		Rork, Andrew & Maryann	30006 W Barrier Reef
1		Rose/Warwick	21110 Emerald Isle
1		Rosikiewicz, Alexander & Kathleen	21086 Emerald Isle
1		Russomanno, Carol	30322 Clamshell Lane
1		Ryan, Lawrence & Diana	30342 Clamshell Lane
1		Ryan, Michael & Cheryl	21203 Sand Dollar
		Sauers, Jeanmarie	30015 W Barrier Reef
	1	Schaffner/Marselle	30042 W Barrier Reef
1		Schell, Haley	30082 W. Barrier Reef

1	Schopfer/Edmisten	30341 Clamshell Lane
1	Scott, Steve	30421 E Barrier Reef
	Scoular	21197 Sand Dollar
1	Semanski, Lou & Mary Lou	30179 Regatta Bay
	Shaffer, Michael Christian	21104 Emerald Isle
1	Shallcross, Dale & Julia	30437 E Barrier Reef
1	Shelton/McKeel	30337 Clamshell Ln
1	Smith, David & Lisa	30021 W Barrier Reef
	Snowden, Lynne	30139 Regatta Bay
1	Snowden-Gallagher, Julie 30126	30126 Regatta Bay
1	Soderstrom, Lisa	29985 W Barrier Reef
1	Sterbach, Jacqueline & Walter	30428 E Barrier Reef
1	Stidham, Robert	29971 Crocodile Cove
	Stoker, Tania	21100 Emerald Isle
1	Sugzdinis, Olga W. & Stanley G.	30106 W. Barrier Reef
1	Szewczyk, Walter and Barbara	30166 Regatta Bay
1	Taylor, Thomas & Sharon	30343 Clamshell Lane
1	Tharp, Joseph	21200 Sand Dollar
1	Tolzman, Kurt	30334 Clamshell Lane
1	Tominovich, Rose & Dan	21105 Emerald Isle
1	Truitt, Maryann	30349 Clamshell Lane
	Truske, Joseph & Christy	21181 Sand Dollar
1	Tucker, Robert & Patricia	29814 Pelican Point
1	Tuskweth, Elizabeth	30335 Clamshell Lane
1	Valan, Xanthus & Nicole	21132 Sand Dollar
1	VanBuskirk, Kimberly	29986 W Barrier Reef
1	Vanderveer, Diane	30011 W Barrier Reef
1	Vella/Salvitti-Vella	30043 W Barrier Reef
1	Vienneau, John & Darah	30076 W Barrier Reef
1	Vivinetti, Anthony & Rose	21262 Alligator
1	Waddell, Gary	30070 W Barrier Reef
1	Walsh, David	20640 Hopkins
1	Wann, Glenn & Rose	30072 W. Barrier Reef
1	Watson, Thomas & M. LuEllen	29809 Pelican Point
1	Wellington, Mark & Marilyn	30132 Regatta Bay
1	Welsh, John & Beverly	29810 Pelican Point
1	Wenger / Wilson	30433 E Barrier Reef
1	Wessel, Don	30420 E. Barrier Reef
1	Westray, David & Mary Beth	21175 Sand Dollar
1	Wightman, Jackie	30202 Regatta Bay
1	Willey, Martin & Monya	30434 E Barrier Reef
	Williams, Ellen	29966 Crocodile Cove

1		Wolfe, Karl & Margaret	21135 Sand Dollar
1		Woods, Gary & Fran	21141 Sand Dollar
		Wright, Robin	30071 W Barrier Reef
1		Wykpisz, John	21083 Emerald Isle
1		Yob/Lubenesky-Yob	21087 Atlantic Coast
		Young, Amanda	29988 Crocodile Cove
1		Zapert, John & Nancy	21157 Sand Dollar
	1	Zaworski/Hamilton	21138 Sand Dollar

196 7 66 Colombiercap 262

## HEIMLICH SOLAR

# 13831 MILE STRETCH ROAD, GREENWOOD, DELAWARE, 19950 CIVIL PLAN SET

PROJECT CONTACT LIST

DEVELOPER/CONTRACTOR

CIVIL ENGINEER
TRC ENGINEERS, INC.
1430 BROADWAY, 10TH FLOOR
NEW YORK, NY 10018
CONTACT: STEVEN MEERSMA, PE
PHONE: 212.221.7840
EMAIL: SMEERSMA@TRCCOMPANIES.CO

ELECTRICAL ENGINEER

PREPARED FOR: HEIMLICH SOLAR PARTNERS INC.

(EDF RENEWABLES DISTRIBUTED SOLUTIONS, INC.)

C/O JEFF MACHIRAN

6940 COLUMBIA GATEWAY DRIVE, SUITE 400

COLUMBIA, MD 21046

PREPARED BY: TRC ENGINEERS INC.

DATE: JULY 2021



DRAWING INDEX			
SHEET NUMBER	SHEET TITLE		
1	COVER SHEET		
2	NOTES AND TABLES		
3	EXISTING CONDITIONS		
4	SITE LAYOUT		
5	NORTH ARRAY - SITE PLAN		
6	WEST OF ARRAY - SITE PLAN		
7	SOUTH ARRAY - SITE PLAN		
8	STORMWATER PLAN		
9	DETAILS		
10	DETAILS		
11	DETAILS		



1	AR	07/29/21	ADDRESS SUSSEX CO. PRELIM. SITE PLAN COMMENTS	SDM
NO	. BY	DATE	REVISION	APP'D.

SUSSEX COUNTY

SITE LOCATOR

FOR REVIEW NOT FOR CONSTRUCTION



: S:\PROJECTS\EDF Renewables\Heimlich (Kratz)\CAD\002\_Sheets\ 310792.0000 - TS.dwg --- PL.

#### **CIVIL NOTES:**

- THE CONTRACTOR SHALL ABIDE BY LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AGAINST THE PROVIDED SURVEY INCLUDING THE HORIZONTAL AND VERTICAL LOCATIONS OF POTENTIAL OBSTRUCTIONS INCLUDING UNDERGROUND UTILITIES. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMAL DELAYS.
- LOCATION OF EXISTING UTILITIES SHOWN ON PLANS WAS COMPILED FROM RECORD INFORMATION. NO WARRANTY IS IMPLIED AS TO THE ACTUAL LOCATION OF EXISTING UTILITIES. CONTRACTOR TO FIELD VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING UNDERGROUND FEATURES. THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICE THREE (3) WORKING DAYS PRIOR TO EXCAVATION. ADDITIONALLY, CONTRACTOR SHALL CONTACT LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES.
- ELECTRICAL, TELEPHONE, CABLE TV, GAS, AND OTHER UTILITY LINES, CABLES AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION SHALL BE COORDINATED WITH THAT UTILITY. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF NECESSARY UTILITY ADJUSTMENTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAY OR INCONVENIENCES CAUSED BY UTILITY COMPANY WORK CREWS. CONTRACTOR MAY BE REQUIRED TO RESCHEDULE THEIR ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.
- CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. DAMAGE TO EXISTING UTILITY LINES CAUSED BY CONSTRUCTION ACTIVITIES SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
- CONSTRUCTION SHALL NOT OCCUR IN PUBLIC RIGHTS OF WAY, PUBLIC OR PRIVATE EASEMENTS, BEYOND THE LIMITS OF DISTURBANCE, OR OUTSIDE THE LEASE AREA WITHOUT A PERMIT. PUBLIC OR PRIVATE PROPERTY OR IMPROVEMENTS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER AT THE COST OF THE CONTRACTOR.
- OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIAL WITHIN PUBLIC RIGHTS-OF-WAY. OVERNIGHT PARKING OF CONSTRUCTION VEHICLES ON PRIVATE PROPERTY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL OBTAIN THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (E.G., BARRICADING, TOPSOIL DISTURBANCE, EXCAVATION, SHORING, ETC.).
- PROPERTY CORNERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. PROPERTY CORNERS MUST BE RESET BY A REGISTERED LAND SURVEYOR.
- 10. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE TO PROVIDE SIGNS, BARRICADES, WARNING LIGHTS, GUARD RAILS, AND EMPLOY FLAGGERS AS NECESSARY WHEN CONSTRUCTION INTERFERES WITH EITHER VEHICULAR OR PEDESTRIAN TRAFFIC. THESE DEVICES SHALL REMAIN IN PLACE UNTIL THE TRAFFIC MAY PROCEED NORMALLY AGAIN.
- BARRICADES AND CONSTRUCTION SIGNING SHALL CONFORM TO THE APPLICABLE SECTION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), U.S. DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
- 12. CONTRACTOR SHALL COMPLY WITH FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS CONTROLLING POLLUTION OF THE ENVIRONMENT PRIOR TO THE START OF THE PROJECT CONSTRUCTION. THE CONTRACTOR SHALL ABIDE BY THE PERMITS OBTAINED BY OWNER. CONTRACTOR SHALL OBTAIN AND BE RESPONSIBLE FOR PERMITS REQUIRED BY THE CONTRACT DOCUMENTS.
- BEFORE COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL LOCATE, POTHOLE AND MEASURE DEPTH TO TOP OF EXISTING, UNDERGROUND WET & DRY UTILITIES AT PROPOSED CROSSING LOCATIONS, ACCORDING TO THE CONTRACT DOCUMENTS OR AS SPECIFIED BY THE UTILITY OWNER. CONTRACTOR SHALL PROVIDE ENGINEER AND OWNER WITH AN "AS-BUILT" PLAN OF INFORMATION, AND RECEIVE FORMAL APPROVAL BEFORE STARTING WORK.
- CONTRACTOR TO PERFORM WORK IN ACCORDANCE WITH EXISTING PROJECT PERMITS, STUDIES, AND REPORTS PROVIDED IN THE CONTRACT DOCUMENTS INCLUDING: CONDITIONAL USE, SPECIAL USE, OR OTHER LAND USE TYPE PERMITS INCLUDING THE ASSOCIATED CONDITIONS OF APPROVAL: ENVIRONMENTAL STUDIES AND REPORTS: HYDROLOGICAL STUDIES AND REPORTS; ETC.
- 15. CONTRACTOR SHALL DETERMINE THE SOURCE OF AND SECURE APPROVAL OF CONSTRUCTION WATER AS NECESSARY TO COMPLETE THE PROJECT.
- 16. CONTRACTOR SHALL MANAGE DUST, DIRT, MUD, SNOW, ETC. DURING THE CONSTRUCTION PHASE IN A SUITABLE MANNER SO AS TO NOT TO IMPACT THE COMMISSIONING, PERFORMANCE, INSPECTION, OR RELIABILITY OF EQUIPMENT, SUCH AS BUT NOT LIMITED TO: MODULES, COMBINERS, INVERTERS, TRANSFORMERS, DISCONNECTS, SWITCHGEAR, SCADA / SEEDS, WEATHER STATIONS, CONDUCTORS AND TERMINATIONS, AND TRACKERS.
- THIS PROJECT DOES NOT PROPOSE NEW WATER OR SANITARY SEWER FACILITIES.
- THE LOCATIONS OF PROPOSED IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO: FENCING, SOLAR ARRAY RACKING, INVERTER/TRANSFORMER STRUCTURES, OVERHEAD POLES AND LINES, ETC., SHOWN ARE APPROXIMATE AND ARE SUBJECT TO MODIFICATION DUE TO SITE CONDITIONS, ADDITIONAL PERMITTING REQUIREMENTS, EQUIPMENT SPECIFICATIONS, AND/OR OTHER CONSTRAINTS.
- PROJECT AREA, INCLUDING CONSTRUCTION STAGING AREAS, WILL BE CLEARED AND GRUBBED AS NECESSARY, RETAINING PRE-DEVELOPMENT DRAINAGE PATTERNS TO THE MAXIMUM EXTENT POSSIBLE. CONSTRUCTION STAGING AND AREAS SUBJECT TO RUTTING DURING CONSTRUCTION WILL BE TEMPORARILY STABILIZED WITH GRAVEL OR OTHER MATERIAL APPROVED BY OWNER.
- 20. THE CONTRACTOR SHALL PROVIDE GENERATORS TO SUPPLY POWER FOR ACTIVITIES RELATED TO CONSTRUCTION. GENERATORS AND TEMPORARY PUMPS TO BE LOCATED IN CONTRACTOR-PROVIDED TEMPORARY SECONDARY CONTAINMENT.
- CONTRACTOR SHALL MAINTAIN ACCESS AND UTILITY SERVICES TO EXISTING BUILDING(S) OR ADJACENT BUILDING(S) THROUGHOUT THE PROPOSED PROJECT. EXISTING IMPROVEMENTS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED/RESTORED TO THE SATISFACTION OF THE OWNER BY THE CONTRACTOR RESPONSIBLE FOR THE DAMAGE.

#### SITE MAINTENANCE NOTES

PROJECT OWNER TO MAINTAIN VEGETATION TO APPROXIMATELY 5 FEET OUTSIDE THE PROPOSED PERIMETER FENCELINE. THE REMAINDER OF THE PROPERTY IS NOT UNDER CONTROL OF THE EDF PROJECT OWNER (I.E., OUTSIDE THE LEASEHOLD) AND WILL REMAIN IN THE CONTROL OF THE PROPERTY OWNER; MOST LIKELY TO CONTINUE TO BE FARMED

#### **GRADING NOTES:**

- WORK RELATED TO ROAD CONSTRUCTION, SITE PREPARATION, AND GRAVEL INSTALLATION, AS SHOWN ON THIS PLAN, SHALL, UNLESS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT SPECIFICATION AND STATE OR LOCAL STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL NOT PERFORM WORK OUTSIDE OF THE LIMITS OF DISTURBANCE EXCEPT AS REQUIRED BY THIS PLAN.
- EXCAVATED MATERIAL (NON-HAZARDOUS OR NON-CONTAMINATED) MAY BE TEMPORARILY STOCKPILED IN AREAS DESIGNATED BY OWNER. TOPSOIL TO BE STOCKPILED SEPARATELY. EXCESS EXCAVATED MATERIAL CAN BE SPREAD ONSITE CATWALK THE SPREAD MATERIAL USING DIRECTIONAL TRACKING PRACTICES, APPLY TOPSOIL, AND VEGETATE AREAS IN ACCORDANCE WITH THE EROSION AND SEDIMENTATION CONTROL PLAN.
- EXCESS MATERIAL REMOVED FROM THE SITE SHALL BE DISPOSED OF IN ACCORDANCE WITH REGULATORY AUTHORITIES. CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE AND STATE AUTHORITIES OF LOCATION OF DISPOSAL BEFORE MATERIAL IS REMOVED.
- A DISPOSAL SITE FOR EXCESS EXCAVATION MATERIAL AND UNSUITABLE MATERIAL AND/OR A BORROW SITE CONTAINING ACCEPTABLE FILL MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE OWNER.
- FILL MATERIAL SHALL NOT CONTAIN DELETERIOUS MATERIALS OR ORGANIC MATTER. FROZEN AND FROST HEAVED SOIL IS NOT SUITABLE FOR FILL. NO ROCK OR IRREDUCIBLE MATERIAL WITH A MINIMUM DIMENSION GREATER THAN 2 INCHES SHALL BE BURIED OR PLACED AS FILL UNLESS SPECIFIED OTHERWISE.
- CONDUCT EARTHWORK OPERATIONS ONLY IN AREA REQUIRED FOR IMMEDIATE CONSTRUCTION ACTIVITY AND THEN ONLY IF SEDIMENT CONTROL DEVICES ARE IN PLACE. MASS CLEARING AND GRADING OF THE SITE SHALL BE AVOIDED.
- IN AREAS BELOW FOUNDATIONS SUPPORTED ON SOIL, SOIL/FILL SHOULD BE COMPACTED TO 95% OF THE MAXIMUM DRY UNIT WEIGHT DETERMINED BY THE STANDARD PROCTOR TEST AT A MOISTURE CONTENT WITHIN 2% OF THE OPTIMUM MOISTURE CONTENT. COMPACT AGGREGATE AND GRAVEL TO THE SAME REQUIREMENTS OF FILL TO THE GRADES AND SLOPES SHOWN ON DRAWINGS. IN OTHER AREAS WITHOUT COMPACTION OR PROOF ROLLING CRITERIA, SOIL/FILL SHOULD BE COMPACTED TO A MINIMUM 90% OF THE MAXIMUM DRY UNIT WEIGHT DETERMINED BY THE STANDARD PROCTOR TEST.

- PRIOR TO PROOF ROLLING, COMPACT SURFACE WITH A SMOOTH-DRUM COMPACTOR IMMEDIATELY PRIOR TO PROOF ROLLING TO ENSURE THE SURFACE IS FREE OF TRACKS, RUTS, AND RIDGED MATERIAL TO PREVENT FALSE READINGS. PROVIDE DOCUMENTATION OF THE WEIGHT OF THE LOADED TRUCK TO THE ENGINEER. PROOF ROLLING SHALL BE PERFORMED IN THE PRESENCE OF THE GEOTECHNICAL ENGINEER OR QUALIFIED GEOTECHNICAL REPRESENTATIVE USING A FULLY LOADED TANDEM AXLE DUMP TRUCK WITH A MINIMUM GROSS WEIGHT OF 25 TONS OR A FULLY LOADED WATER TRUCK WITH AN EQUIVALENT AXLE LOADING. PROOF ROLLING SHOULD BE CONDUCTED IN A MANNER SUCH THAT AFTER THE FIRST PASS SUBSEQUENT PASSES WILL HAVE ONE WHEEL CENTERED BETWEEN THE WHEEL PATHS OF THE PREVIOUS PASS, UNTIL THE ENTIRE SURFACE OF THE PROOF ROLL AREA IS TESTED. PROOF ROLLING ACCEPTANCE STANDARDS INCLUDE NO RUTTING GREATER THAN TWO INCHES, AND NO DEFLECTIONS (PUMPING) BEHIND THE LOADED TRUCK.
- THESE RECOMMENDATIONS SHALL BE SUBJECT TO REINTERPRETATION FOLLOW RECEIPT OF GEOTECHNICAL INVESTIGATION REPORT.

#### **REQUIREMENTS:**

#### COMPACTED SUBGRADE:

 THE ENTIRE ACCESS DRIVE SUBGRADE SHALL BE PROOF-ROLLED PRIOR TO THE PLACEMENT OF THE GEOTEXTILE AND AGGREGATE TO IDENTIFY AREAS OF UNSTABLE SUBGRADE. IF UNSTABLE SUBGRADE IS ENCOUNTERED SCARIFY, MOISTURE CONDITION, AND RECOMPACT SOILS TO ACHIEVE COMPACTION.

#### AGGREGATE BASE AND SUBBASE:

- AGGREGATE BASE SHALL BE PROOF ROLLED OVER THE ENTIRE LENGTH. IF PROOF ROLLING DETERMINES THAN THE DRIVE IS UNSTABLE, ADDITIONAL AGGREGATE SHALL BE ADDED UNTIL THE UNSTABLE SECTION IS ABLE TO PASS A PROOF ROLL.
- PROVIDE SIEVE ANALYSIS PER 2,000 CUBIC YARDS OF AGGREGATE PLACED.



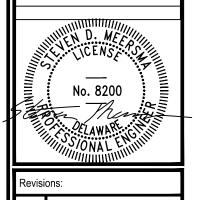
Know what's **below**. Call before you dig.

FOR REVIEW

NOT FOR CONSTRUCTION

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Drawn by: A. REXROAT

A. REXROAT Checked by:

S. MEERSMA

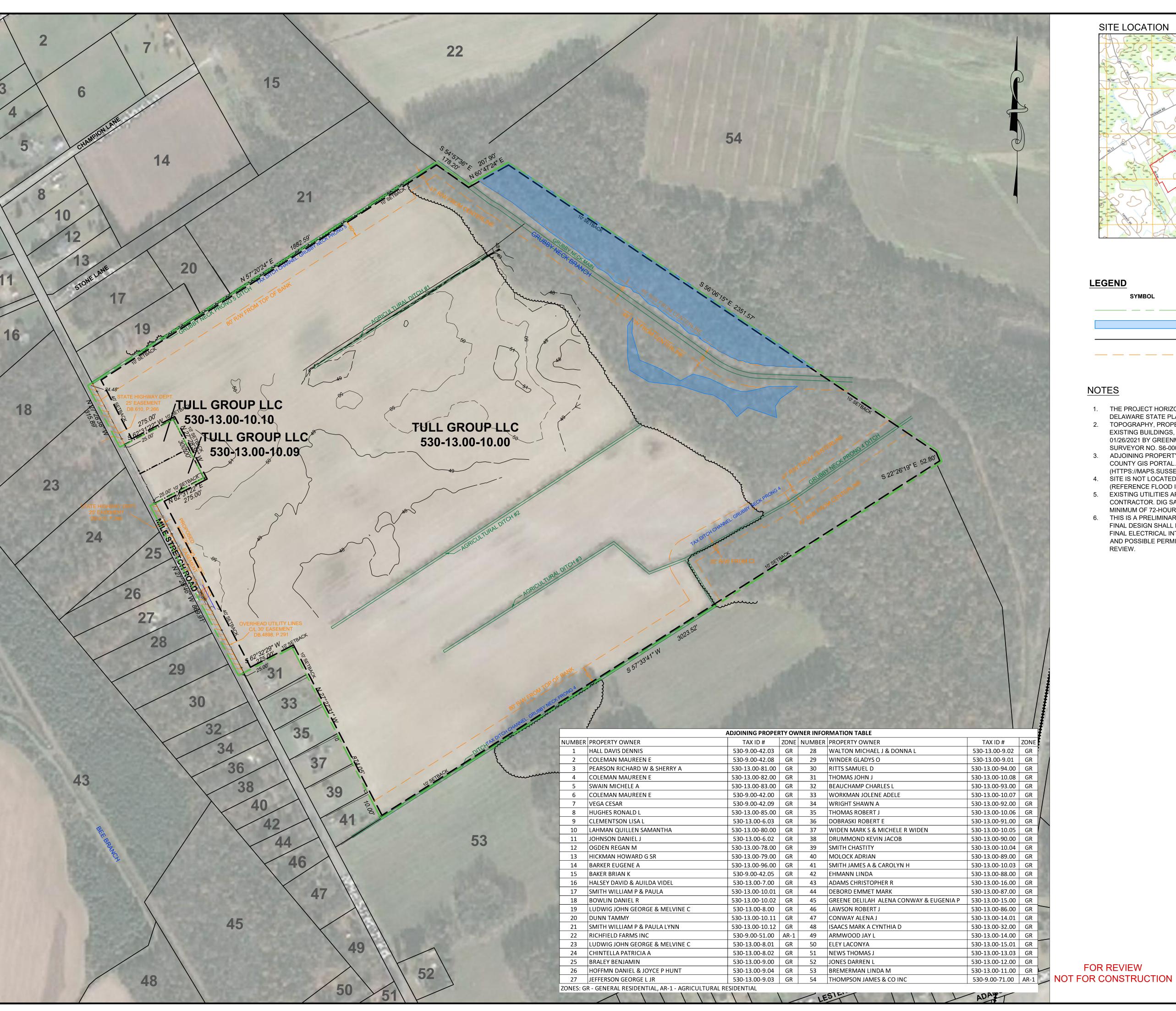
HEIMLICH SOLAR PARTNERS, LLC RENEWABLES DISTRIBUTED SOLUTIONS HEIMLICH SOLAR PROJECT 13831 MILE STRETCH ROAD GREENWOOD, DELAWARE 19950

Contract No: 376627

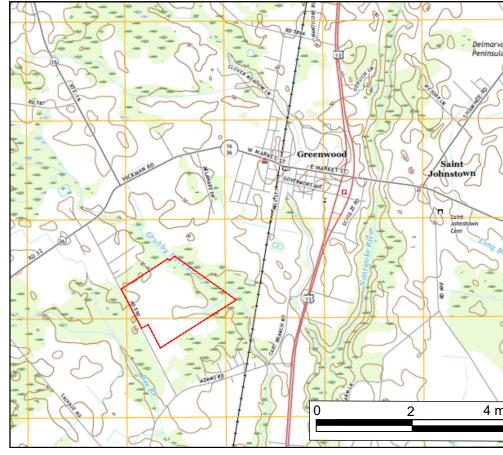
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**JUNE 2021** 

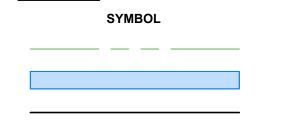
**NOTES AND TABLES** 



SITE LOCATION



### **LEGEND**

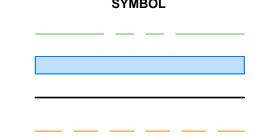


DESCRIPTION

EXISTING PROPERTY LINE

TRC DELINEATED WETLANDS

- 1. THE PROJECT HORIZONTAL COORDINATES SYSTEM IS BASED ON NAD83
- 2. TOPOGRAPHY, PROPERTY BOUNDARIES, PARCEL IDENTIFICATION, EXISTING BUILDINGS, AND SETBACKS TAKEN FROM SURVEY LAST REVISED 01/26/2021 BY GREENMAN-PEDERSEN, INC. DE PROFESSIONAL LAND
- 3. ADJOINING PROPERTY OWNER INFORMATION SHOWN ARE FROM SUSSEX COUNTY GIS PORTAL.
- 4. SITE IS NOT LOCATED IN A 100-YEAR OR 500-YEAR FLOOD PLAIN
- (REFERENCE FLOOD INSURANCE RATE MAP (FIRM) NUMBER 10005C0115K).
- EXISTING UTILITIES ARE APPROXIMATE AND SHOULD BE VERIFIED BY CONTRACTOR. DIG SAFELY DELAWARE (811) SHALL BE NOTIFIED A
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EXISTING ABUTTER PROPERTY LINE

TAX DITCH RIGHT-OF-WAY LIMIT

<u>NOTES</u>

DELAWARE STATE PLANE (2011, US SURVEY FEET).

SURVEYOR NO. S6-0000787.

(HTTPS://MAPS.SUSSEXCOUNTYDE.GOV/PZAPPLICATIONS/MAP.HTML)

MINIMUM OF 72-HOURS PRIOR TO COMMENCING ANY EXCAVATION. 6. THIS IS A PRELIMINARY DESIGN PLAN PROVIDED FOR PERMITTING ONLY.

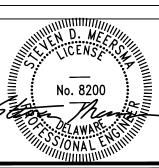
FOR REVIEW

SCALE: 1" = 200' SHEET SIZE: 24" BY 36" (DRAWING MAY BE PRINTED AT REDUCED SIZE)





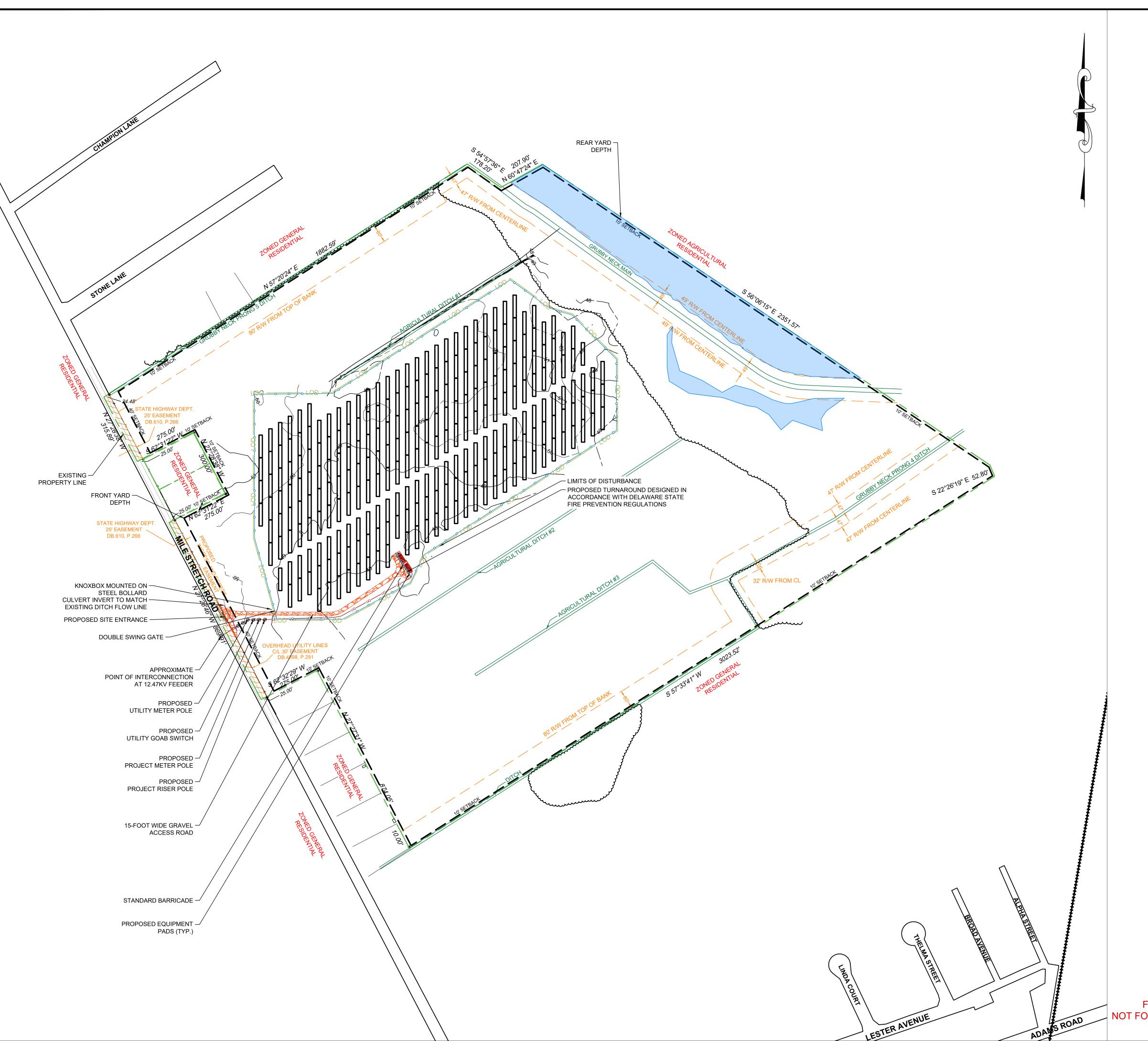




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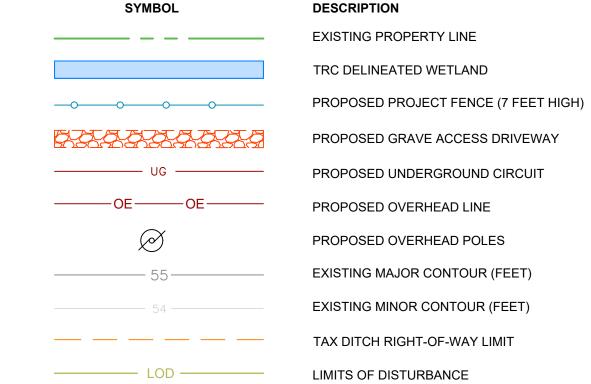
HEIMLICH SOLAR PARTNERS, LLC
F RENEWABLES DISTRIBUTED SOLUTIC
HEIMLICH SOLAR PROJECT
13831 MILE STRETCH ROAD
GREENWOOD, DELAWARE 19950

Contract No: 376627 AS NOTED JUNE 2021 Sheet: EXISTING CONDITIONS



SYSTEM SUMM	ARY		
AZIMUTH (°)		180	
ARRAY TILT ANGLE (+/-°)		60	
PITCH (FT)	42	.5000	
GROUND COVERAGE RATIO (%)		34	
MODULES PER TRACKER / RACK		54	
MODULE WATTAGE (W)	400	450	
QUANTITY OF MODULES	4968	8748	
QUANTITY OF MODULES PER STRING		27	
RATED DC POWER (kWDC)	59	23.80	
RATED AC POWER (kWAC)	4	500	
AREA WITHIN FENCE (ACRES)	31	31.8000	
LENGTH OF FENCE (FT)	488	2.1000	
NET DEVELOPMENT AREA (ACRES)	31.	.8000	

## **LEGEND**



ZONING CONFORMANCE TABLE				
Zoning Code Description	Zoning Code Requirement	Proposed Project		
Zoning Designation	General Residential	General Residential		
Minimum Lot Area	10,000 square feet	1,403,670 square feet		
Minimum Lot Width	150 feet	869 feet		
Minimum Lot Depth	100 feet	1,883 feet		
		Not Applicable		
Maximum Building Height	42 feet	(Equipment height not		
		more than 12 feet)		
Front Yard Depth	40 feet	287 feet		
Side Yard Depth	10 feet	149 feet		

10 feet

507 feet

CONDITION	RESOLUTION
A. No storage facilities shall be constructed on the site.	No storage facilities are proposed.
B. Lighting on the facility shall only consist of perimeter lighting needed for security purposes. All lighting shall be downward screened so that it does not shine on neighboring	No lighting is proposed.
C. One unlighted sign, not to exceed 32 square feet in size,	No sign is proposed.
D. The site shall be secured by fencing with a gate with a	Fence height shall be 7 feet. See fence detail 2
"Knox Box" or similar device to accommodate emergency	on Drawing No. 9.
access by the local fire company or other emergency	
E. Any transformers or similar equipment shall be centrally	See site plan for location.
located on the site away from any nearby residential uses.	
F. All of the grounds, including the area outside of the fence, shall be maintained so that they do not become overgrown.	Project owner to maintain vegetation to approximately 5 feet outside the proposed perimeter fenceline. The remainder of the property is not under the control of the project owner (i.e. outside the leasehold) and will remain the control of the property owner; most likely continue ro be farmed.
G. The Final Site Plan shall be subject to the review and	Acknowledged.
•	1

Rear Yard Depth

1. AREAS OUTSIDE FENCE TO REMAIN AS OPEN SPACE. 2. ADJOINING PROPERTY OWNER INFORMATION SHOWN ARE FROM SUSSEX COUNTY GIS PORTAL.

(HTTPS://MAPS.SUSSEXCOUNTYDE.GOV/PZAPPLICATIONS/MAP.HTML)

3. SITE IS NOT LOCATED IN A 100-YEAR OR 500-YEAR FLOOD PLAIN (REFERENCE FLOOD

approval of the Sussex County Planning and Zoning

INSURANCE RATE MAP (FIRM) NUMBER 10005C0115K). 4. EXISTING UTILITIES ARE APPROXIMATE AND SHOULD BE VERIFIED BY CONTRACTOR. DIG SAFELY DELAWARE (811) SHALL BE NOTIFIED A MINIMUM OF 72-HOURS PRIOR TO

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GREENMAN-PEDERSEN, INC. DE PROFESSIONAL LAND SURVEYOR NO. S6-0000787. 6. THIS IS A PRELIMINARY DESIGN PLAN PROVIDED FOR PERMITTING ONLY. FINAL DESIGN SHALL BE MODIFIED TO SUPPORT CONSTRUCTION, MATCH FINAL ELECTRICAL INTERCONNECTION STUDIES, EQUIPMENT PURCHASED, AND POSSIBLE PERMIT CONSTRAINTS REVEALED DURING PROJECT'S REVIEW.

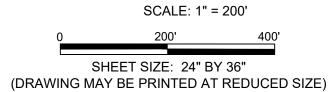
7. THE SUSSEX COUNTY PLANNING DEPARTMENT REFERENCE NUMBER IS 2251. 8. NO SOURCE OF WATER IS AVAILABLE AT THE SITE OR IMMEDIATE AREA TO SUPPORT

FIRE FIGHTING. NO BUILDINGS ARE EXISTING OR PROPOSED.
 APPLICANT: HEIMLICH SOLAR PARTNERS LLC (EDF RENEWABLES)

JEFF MACHIRAN 6940 COLUMBIA GATEWAY DRIVE, SUITE 400

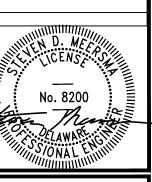
COLUMBIA, MD 21046 OWNER: TULL GROUP, LLC P.O. BOX 418 SEAFORD, DE 19973

FOR REVIEW NOT FOR CONSTRUCTION





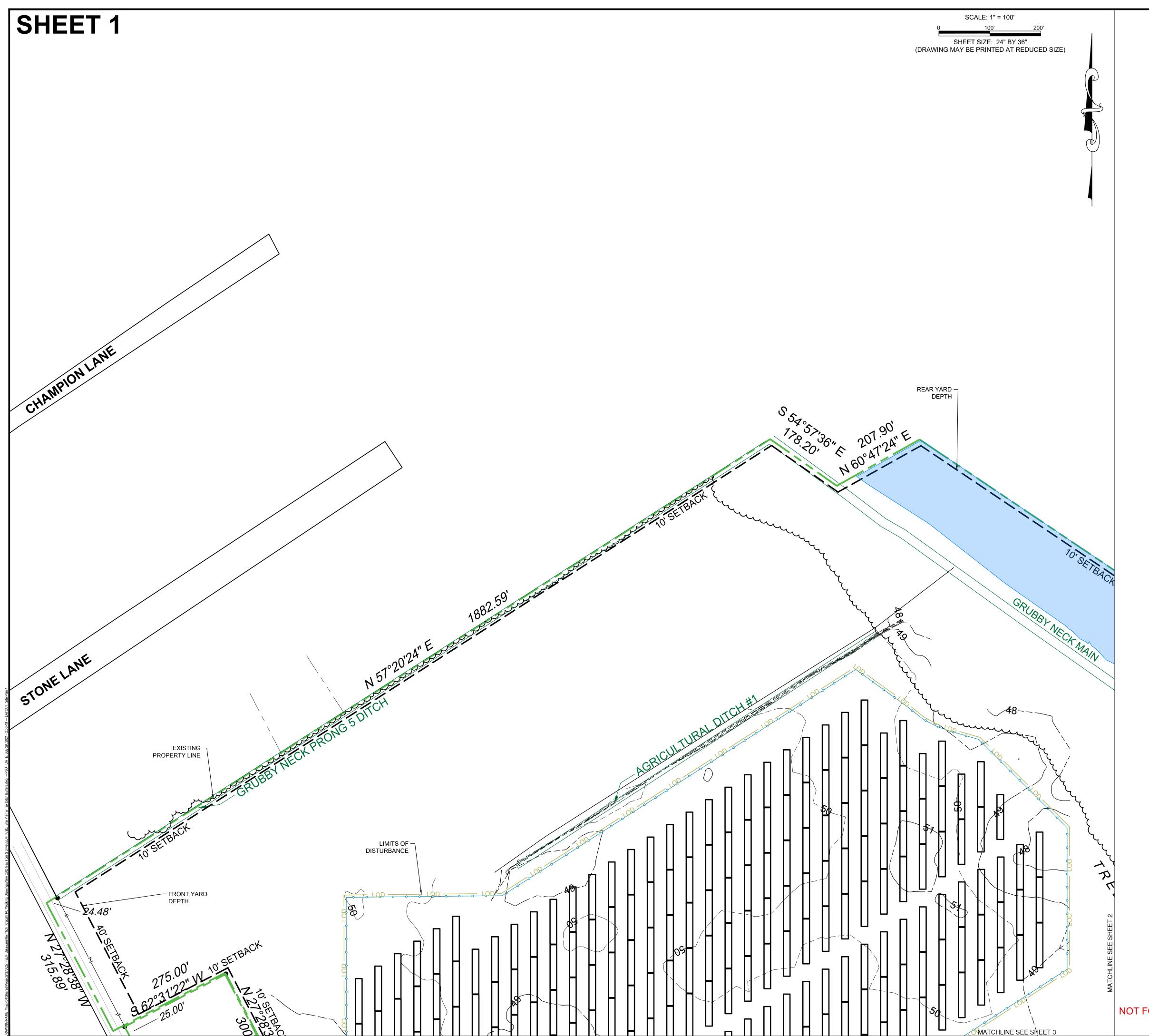




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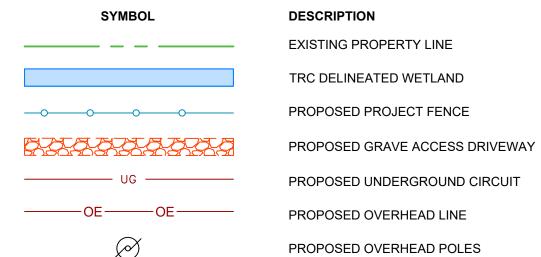
HEIMLICH SOLAR PARTNERS, LLC RENEWABLES DISTRIBUTED SOLUTIONS HEIMLICH SOLAR PROJECT 13831 MILE STRETCH ROAD GREENWOOD, DELAWARE 19950

Contract No: 376627 AS NOTED JUNE 2021 Sheet: SITE LAYOUT Drawing No:



SYSTEM SUMM	ARY		
AZIMUTH (°)	1	80	
ARRAY TILT ANGLE (+/-°)		60	
PITCH (FT)	42.	5000	
GROUND COVERAGE RATIO (%)		34	
MODULES PER TRACKER / RACK		54	
MODULE WATTAGE (W)	400	450	
QUANTITY OF MODULES	4968	8748	
QUANTITY OF MODULES PER STRING		27	
RATED DC POWER (kWDC)	592	5923.80	
RATED AC POWER (kWAC)	4500		
AREA WITHIN FENCE (ACRES)	31.8000		
LENGTH OF FENCE (FT)	4882	4882.1000	
NET DEVELOPMENT AREA (ACRES)	31.	31.8000	

## **LEGEND**



EXISTING MAJOR CONTOUR (FEET)

EXISTING MINOR CONTOUR (FEET)

TAX DITCH RIGHT-OF-WAY LIMIT

LIMITS OF DISTURBANCE

ZONING CONFORMANCE TABLE		
Zoning Code Description	Zoning Code Requirement	Proposed Project
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  2. ADJOINING PROPERTY OWNER INFORMATION SHOWN ARE FROM SUSSEX COUNTY GIS PORTAL.
  (HTTPS://MAPS.SUSSEXCOUNTYDE.GOV/PZAPPLICATIONS/MAP.HTML)
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- EQUIPMENT PURCHASED, AND POSSIBLE PERMIT CONSTRAINTS REVEALED DURING PROJECT'S
- 7. THE SUSSEX COUNTY PLANNING DEPARTMENT REFERENCE NUMBER IS 2251.

  8. NO SOURCE OF WATER IS AVAILABLE AT THE SITE OR IMMEDIATE AREA TO SUPPORT FIRE FIGHTING.

  9. NO BUILDINGS ARE EXISTING OR PROPOSED.

10. APPLICANT: HEIMLICH SOLAR PARTNERS LLC (EDF RENEWABLES)

JEFF MACHIRAN

6940 COLUMBIA GATEWAY DRIVE, SUITE 400 COLUMBIA, MD 21046 OWNER: TULL GROUP, LLC P.O. BOX 418 SEAFORD, DE 19973



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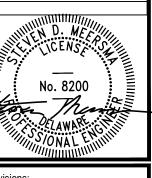












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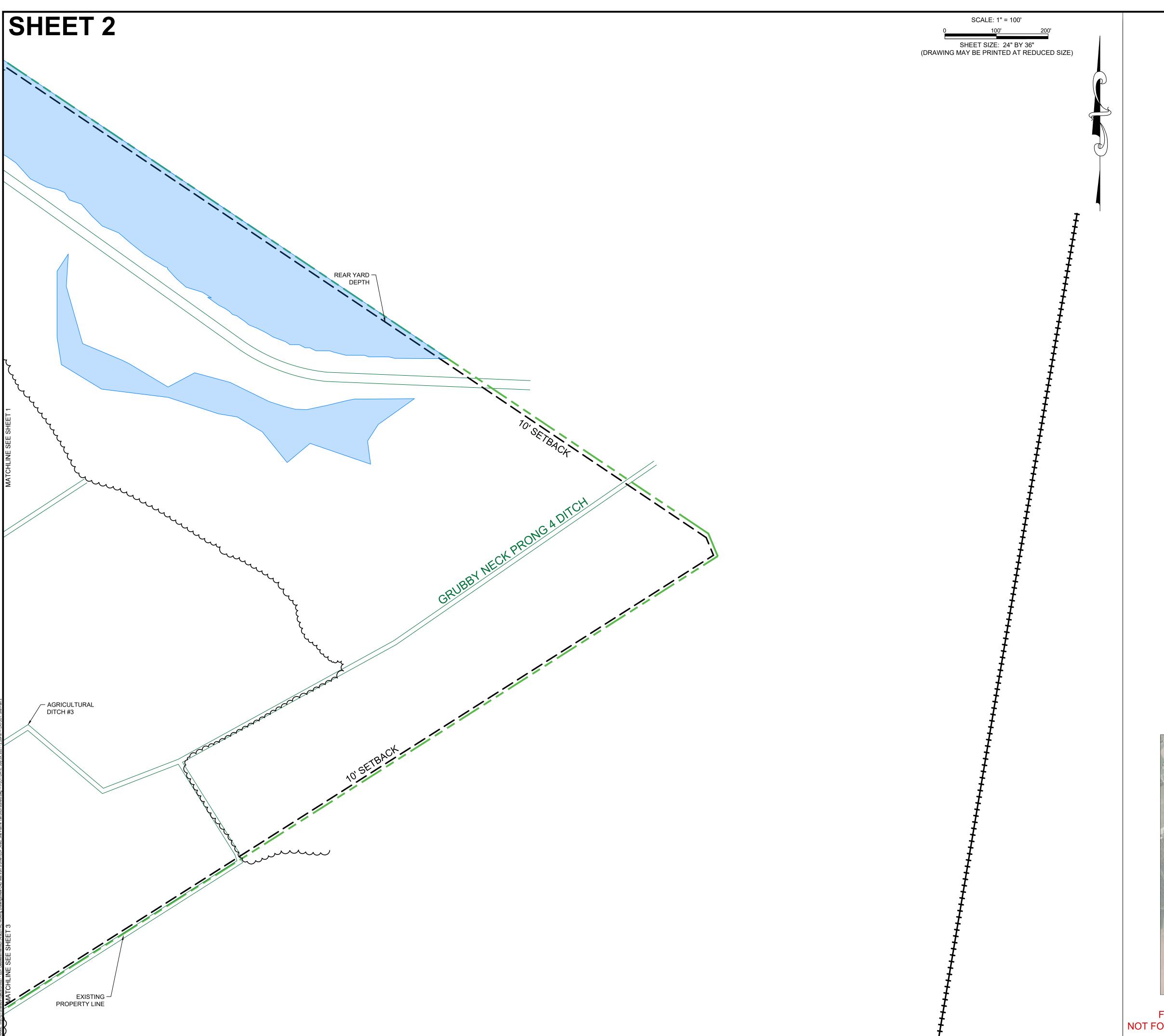
HEIMLICH SOLAR PARTNERS, LLC RENEWABLES DISTRIBUTED SOLUTIONS HEIMLICH SOLAR PROJECT 13831 MILE STRETCH ROAD GREENWOOD, DELAWARE 19950

376627

AS NOTED

JUNE 2021 Sheet: NORTH ARRAY - SITE

PLAN Drawing No:



ARY	
1	80
	60
42.	5000
	34
	54
400	450
4968	8748
27	
5923.80	
4500	
31.8000	
4882.1000	
31.8000	
	400 4968 592 4 31.

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SYMBOL	DESCRIPTION
	EXISTING PROPERTY LINE
	TRC DELINEATED WETLAND
<del></del>	PROPOSED PROJECT FENCE
	PROPOSED GRAVE ACCESS DRIVEW
———— UG ————	PROPOSED UNDERGROUND CIRCUIT
——————————————————————————————————————	PROPOSED OVERHEAD LINE
$\varnothing$	PROPOSED OVERHEAD POLES
55	EXISTING MAJOR CONTOUR (FEET)
54 ———	EXISTING MINOR CONTOUR (FEET)
	TAX DITCH RIGHT-OF-WAY LIMIT
LOD	LIMITS OF DISTURBANCE

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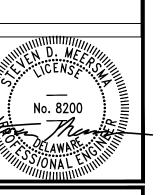


NOT TO SCALE

FOR REVIEW NOT FOR CONSTRUCTION







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HEIMLICH SOLAR PARTNERS, LLC RENEWABLES DISTRIBUTED SOLUTIONS HEIMLICH SOLAR PROJECT 13831 MILE STRETCH ROAD GREENWOOD, DELAWARE 19950

376627 AS NOTED JUNE 2021

Sheet: WEST OF ARRAY - SIT



SYSTEM SUMM	ARY		
AZIMUTH (°)	1	180	
ARRAY TILT ANGLE (+/-°)		60	
PITCH (FT)	42.	.5000	
GROUND COVERAGE RATIO (%)		34	
MODULES PER TRACKER / RACK		54	
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<del></del>	PROPOSED PROJECT FENCE
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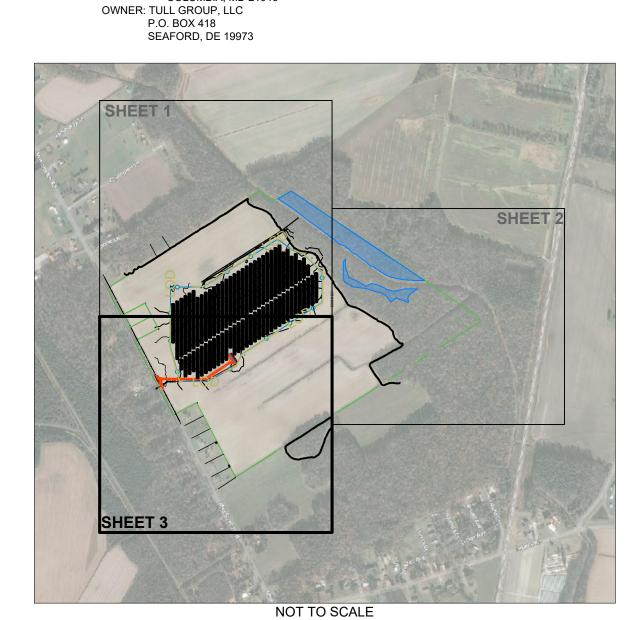
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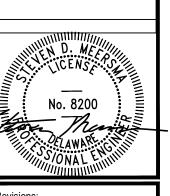
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JEFF MACHIRAN 6940 COLUMBIA GATEWAY DRIVE, SUITE 400

COLUMBIA, MD 21046



FOR REVIEW NOT FOR CONSTRUCTION



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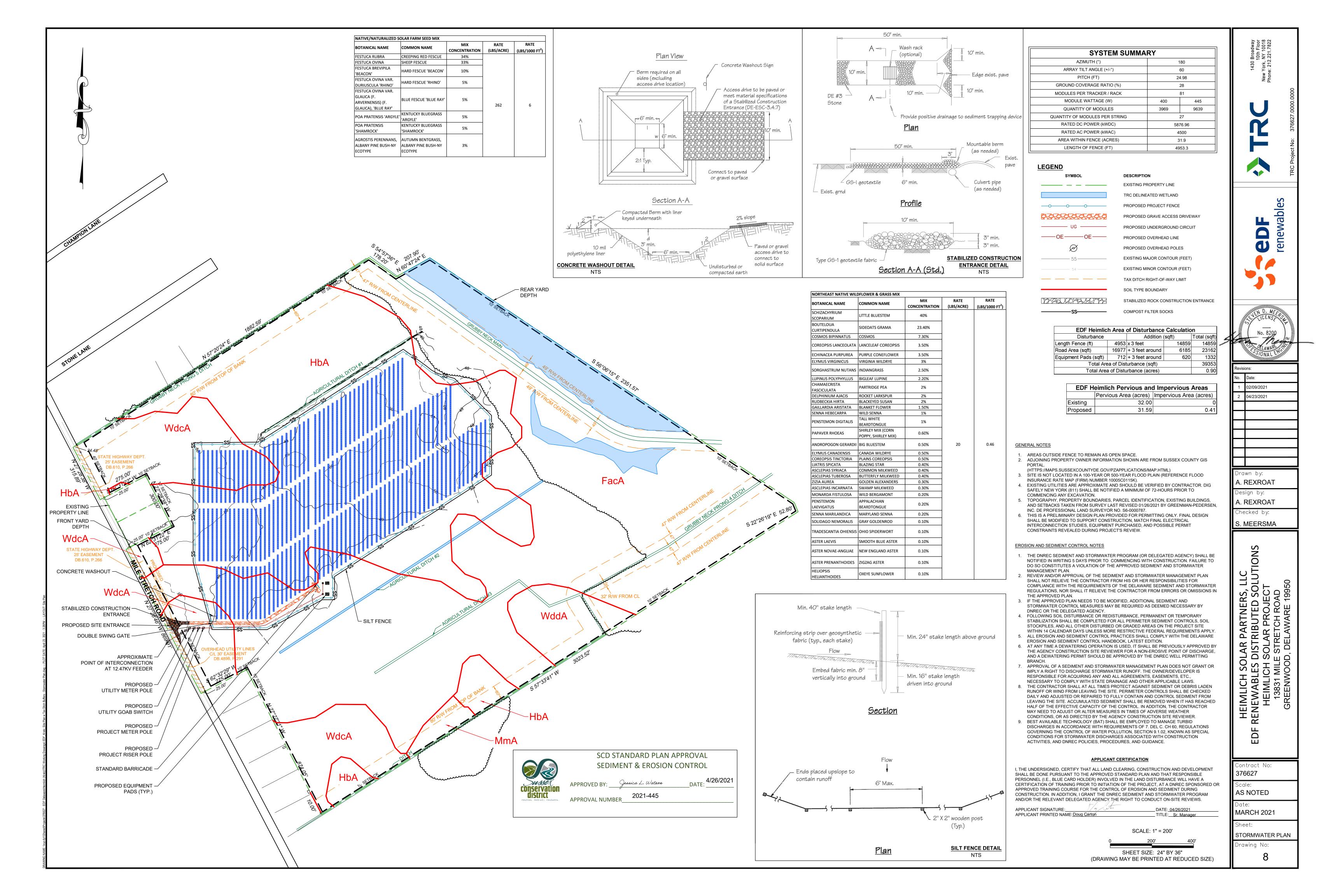
S. MEERSMA

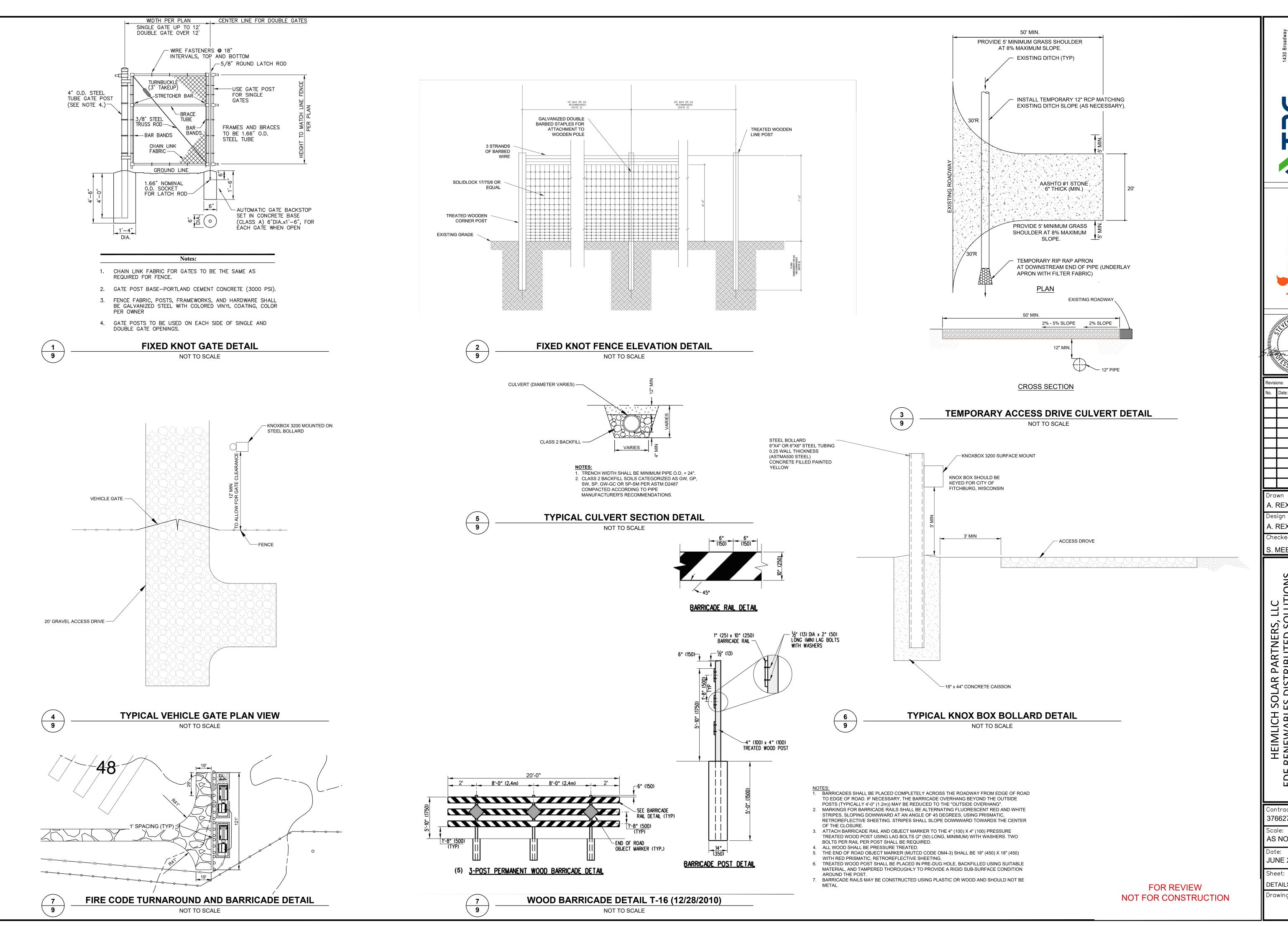
HEIMLICH SOLAR PARTNERS, LLC RENEWABLES DISTRIBUTED SOLUTIONS HEIMLICH SOLAR PROJECT 13831 MILE STRETCH ROAD GREENWOOD, DELAWARE 19950

376627 AS NOTED

Sheet: SOUTH ARRAY - SITE

JUNE 2021





No. 8200

Drawn by: A. REXROAT Design by:

A. REXROAT Checked by:

S. MEERSMA

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HEIMLICH SOLAR PROJECT

13831 MILE STRETCH ROAD

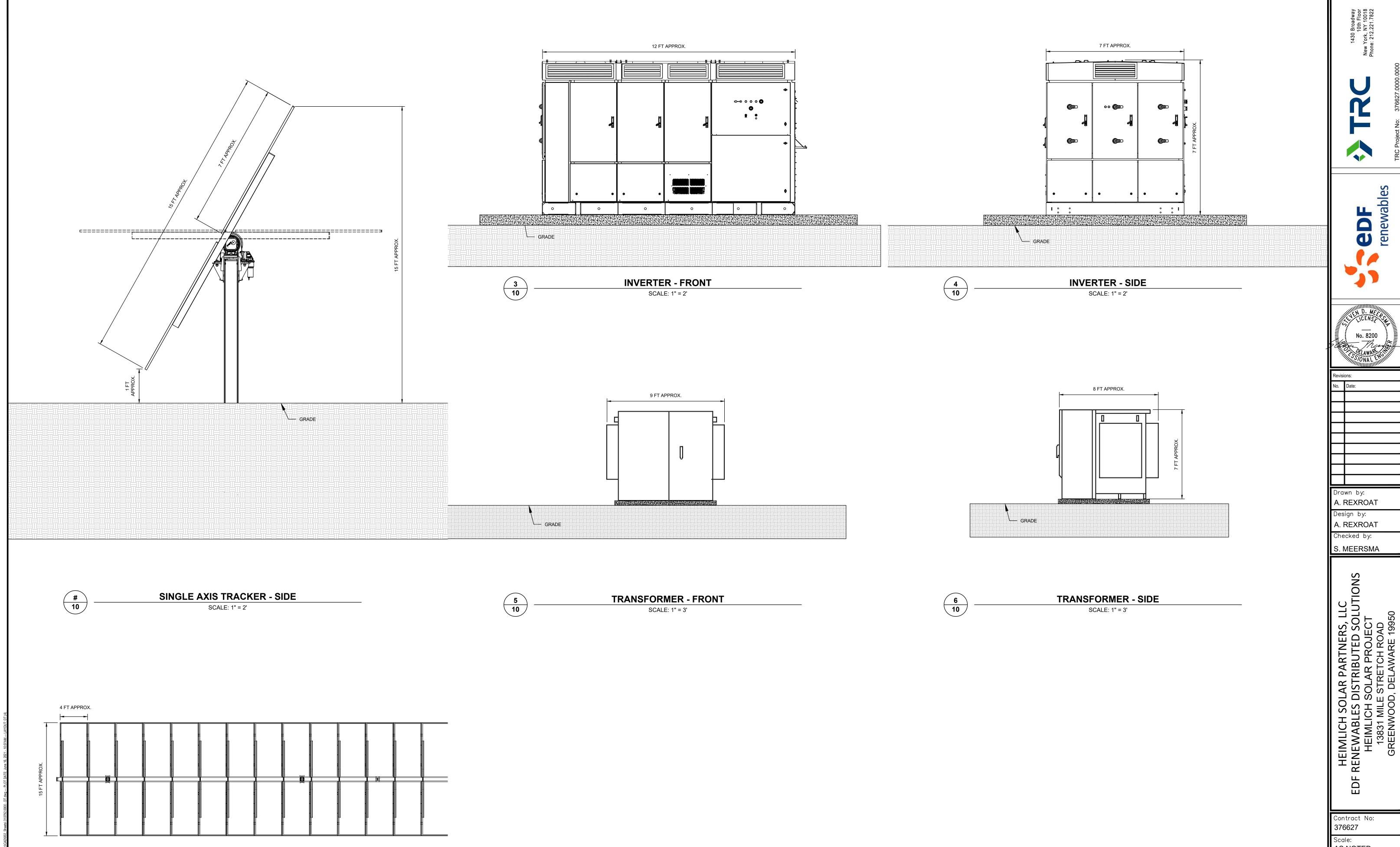
GREENWOOD, DELAWARE 19950 DF

Contract No: 376627

Scale: AS NOTED

JUNE 2021

DETAILS



SINGLE AXIS TRACKER - TOP SCALE; 1" = 5'

FOR REVIEW NOT FOR CONSTRUCTION

Contract No: 376627 Scale: AS NOTED

EDF

JUNE 2021 Sheet:

DETAILS Drawing No:

690.14(C)(2) - Additional provisions, requirements for disconnecting means, marking. Each photovoltaic system disconnecting means shall be permanently marked to identify it as a photovoltaic system disconnect.

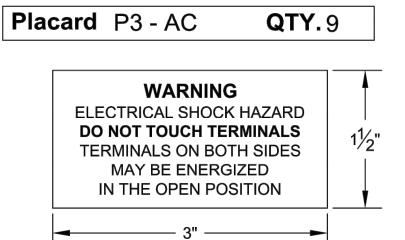
Apply to Main AC disconnecting means on switchboard.

**QTY**. 8 Placard P2 - AC

> WARNING INVERTER OUTPUT COMBINER DO NOT ADD BRANCH CIRCUITS TO THIS EQUPIMENT. ADDING CIRCUITS MAY EXPOSE **EQUPIMENT TO CURRENTS IN** EXCESS OF ITS BUS RATING

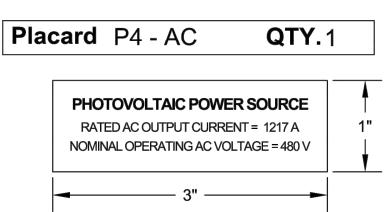
Not specifically required by NEC. Good practice to make clear that inverter output combiner panels are not to be used to supply branch circuits.

Apply to All AC panel boards.



690.17 - Switch or circuit breaker. Where all terminals of the disconnecting means may be energized in the open position, a warning sign shall be mounted on or adjacent to the disconnecting means.

Apply to all AC panel boards and switchboards.



690.54 - Interactive system point of interconnection. All interactive system(s) points of interconnection with other sources shall be marked at an accessible location at the disconnecting means as a power source and with the rated AC output current and the nominal operating AC voltage.

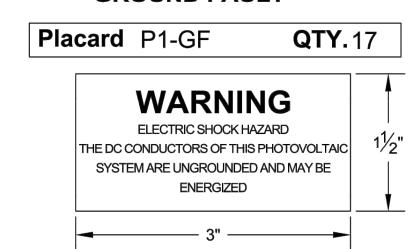
Apply to the main disconnecting means at switchboard.



Apply to each inverter, each panel board, the switchboard, and to MPZ load center.

(ABOVE LABEL IS AN EXAMPLE OF ARC FLASH LABELS. THE ACTUAL LABELS WILL BE SPECIFIED AND PROVIDED BY THE EOR)

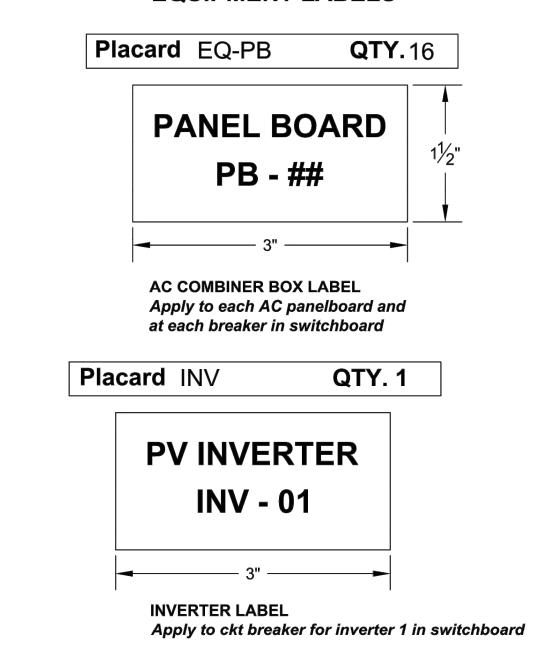
#### **GROUND FAULT**



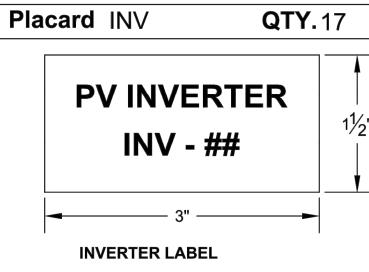
690.5(C) - Ground fault protection, labels and markings. A warning label shall appear on the utility-interactive inverter or be applied by the installer near the ground-fault indicator at a visible location.

Apply to each inverter.

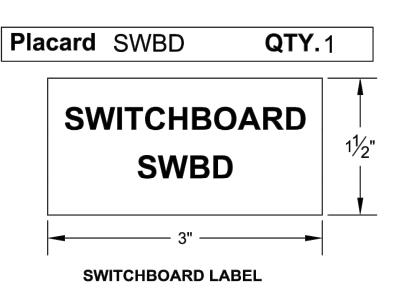
## **EQUIPMENT LABELS**



#### **EQUIPMENT LABELS**



Apply to each inverter.



DC LABELS

**INVERTER WITH 12 STRINGS QTY**. 15 P1-DC

Apply to switchboards

PV SYSTEM DC DISCONNECT
RATED MAX POWER POINT CURRENT = 106.08 A
RATED MAX POWER POINT VOLTAGE = 682.2 V
MAXIMUM SYSTEM VOLTAGE = 1000 V
SHORT CIRCUIT CURRENT = 112.32 A

## **INVERTER WITH 10 STRINGS**

Placard P1-DC **QTY**. 2 PV SYSTEM DC DISCONNECT RATED MAX POWER POINT CURRENT = 88.4 A RATED MAX POWER POINT VOLTAGE = 682.2 V MAXIMUM SYSTEM VOLTAGE = 1000 V SHORT CIRCUIT CURRENT = 93.6 A

**690.53 - Direct current photovoltaic power source.** A permanent label for the direct-current photovoltaic power source indicating items (1) through (5) shall be provided by the installer at the photovoltaic disconnecting means:

(1) Rated maximum power point current (2) Rated maximum power-point voltage (3) Maximum system voltage

(4) Short-circuit current

(5) Maximum rated output current of the charge controller (if installed)

Apply to the inverter DC disconnecting means as indicated in line



MOUNTED GATE AND FENCE LABEL (NOT TO SCALE)

TRESPASSING

NOTES:

- MOUNT TO EACH GATE DOOR AND FENCE PERIMETER LOCATION (APPROX. EVERY 300') WITH RESPECTIVE **NOMENCLATURE**
- THIS SIGN IS TO BE MADE OF ALUMINUM



MOUNTED GATE AND FENCE LABEL (NOT TO SCALE) NOTES:

- MOUNT TO EACH GATE DOOR AND FENCE PERIMETER LOCATION (APPROX. EVERY 50') WITH RESPECTIVE NOMENCLATURE.
- 2. THIS SIGN IS TO BE MADE OF ALUMINUM

NOT FOR CONSTRUCTION

To be updated for specific project.

Contract No: Scale: AS NOTED **JUNE 2021** Sheet:

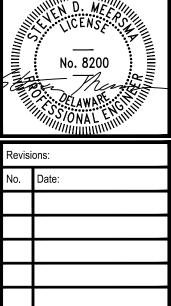
Drawing No:

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Drawn by: A. REXROAT Design by:

A. REXROAT Checked by:

S. MEERSMA

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DETAILS