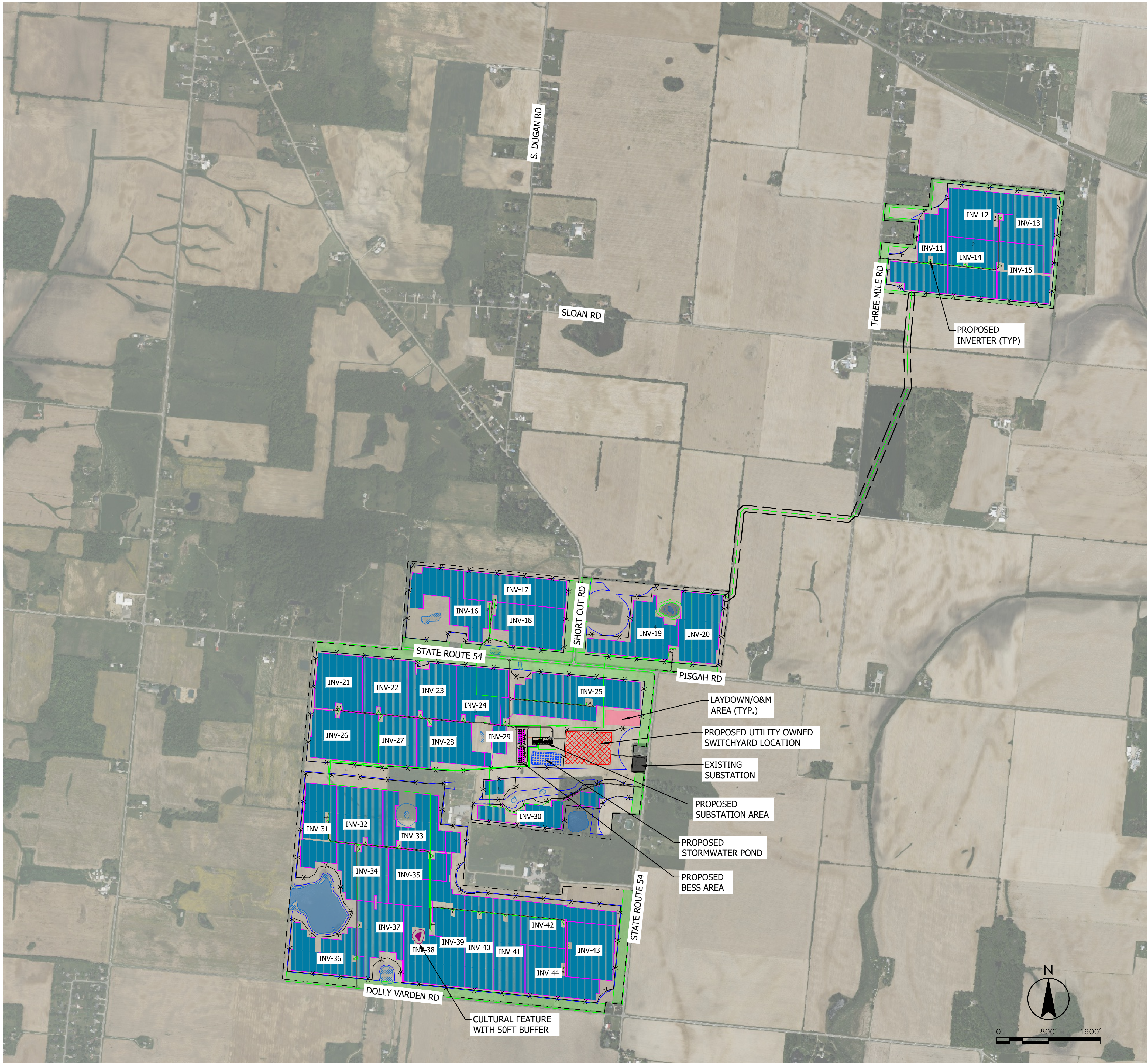


THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. NO USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.

Plot Date: 11/06/2025 - 12:29pm
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Xref: border 34022, 18264053-PV Layout.cad, 18264053-Constraints.cad



LEGEND

EXISTING

- NON JURISDICTIONAL WETLANDS
- WATER BODY
- 150' R.O.W. SETBACK
- CULTURAL FEATURE WITH 50FT BUFFER
- 120' WETLANDS & OPEN WATER SETBACK

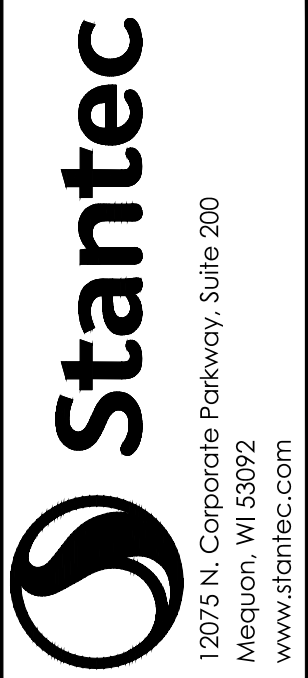
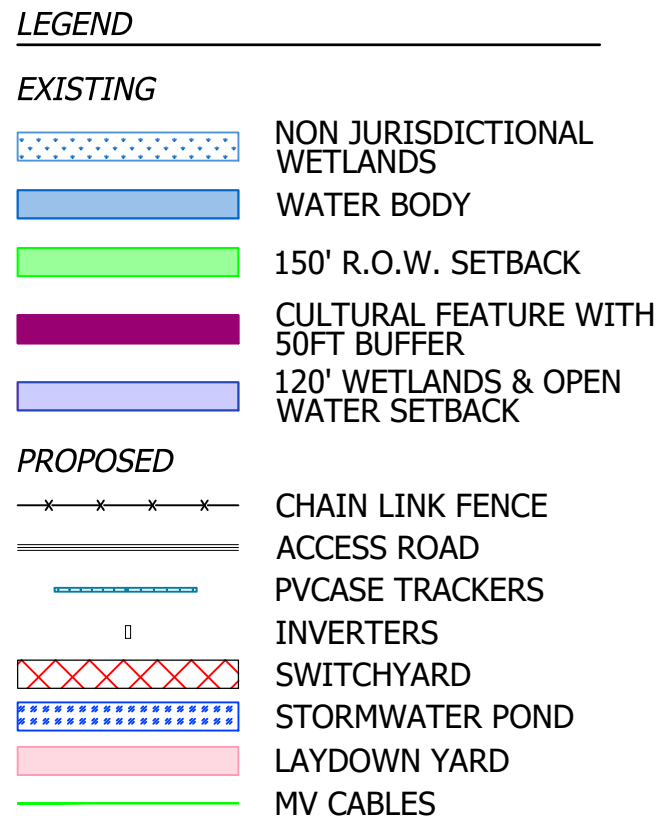
PROPOSED

- CHAIN LINK FENCE
- ACCESS ROAD
- PVCASE TRACKERS
- INVERTERS
- SWITCHYARD
- STORMWATER POND
- LAYDOWN YARD
- MV CABLES

Primary PV System Power Summary										
Inverter Number	AC Power (MW)	PV Module Rating (W)	Qty Of Modules	Qty of Strings	Qty 4-String Trackers	Qty 3-String Trackers	Qty 2-String Trackers	DC Power (MW)	DC/AC Ratio	
1	4.4	610	9,774	362	66	30	4	5.96	1.36	
2	4.4	610	8,883	329	39	55	4	5.42	1.23	
3	4.4	610	8,964	332	50	44	0	5.47	1.24	
4	4.4	610	9,045	335	80	5	0	5.52	1.25	
5	4.4	610	8,910	330	79	4	1	5.44	1.24	
6	4.4	610	9,531	353	67	11	26	5.81	1.32	
7	4.4	610	9,450	350	84	4	1	5.76	1.31	
8	4.4	610	8,937	331	57	1	50	5.45	1.24	
9	4.4	610	9,018	334	29	14	88	5.50	1.25	
10	4.4	610	9,207	341	67	1	35	5.62	1.28	
11	4.4	610	8,397	311	72	7	1	5.12	1.16	
12	4.4	610	8,532	316	76	4	0	5.20	1.18	
13	4.4	610	8,397	311	66	15	1	5.12	1.16	
14	4.4	610	8,505	315	66	17	0	5.19	1.18	
15	4.4	610	8,451	313	59	7	28	5.16	1.17	
16	4.4	610	8,532	316	40	52	0	5.20	1.18	
17	4.4	610	8,397	311	41	49	0	5.12	1.16	
18	4.4	610	8,424	312	43	16	46	5.14	1.17	
19	4.4	610	8,505	315	41	11	59	5.19	1.18	
20	4.4	610	6,588	244	9	28	62	4.02	0.91	
21	4.4	610	8,478	314	61	20	5	5.17	1.18	
22	4.4	610	8,532	316	76	4	0	5.20	1.18	
23	4.4	610	8,586	318	62	18	8	5.24	1.19	
24	4.4	610	8,667	321	72	11	0	5.29	1.20	
25	4.4	610	8,532	316	73	8	0	5.20	1.18	
26	4.4	610	8,586	318	14	68	29	5.24	1.19	
27	4.4	610	8,559	317	59	27	0	5.22	1.19	
28	4.4	610	8,478	314	39	48	7	5.17	1.18	
29	4.4	610	9,477	351	42	51	15	5.78	1.31	
30	4.4	610	8,667	321	46	29	25	5.29	1.20	
31	4.4	610	8,721	323	46	31	23	5.32	1.21	
32	4.4	610	8,586	318	35	4	83	5.24	1.19	
33	4.4	610	8,667	321	76	5	1	5.29	1.20	
34	4.4	610	8,667	321	31	61	7	5.29	1.20	
Total	149.60		295,650	10950	1863	760	609	180.35	1.21	

System Size and Equipment Summary Assumptions	
DC System Size	180.35 MWdc
Nameplate Inverter AC Rating	149.60MWac
AC System Size @ POI	116.50 MWac
DC / AC POI Ratio	1.55
PV Modules	TRINA VERTEX N TYPE 610W (BIFACIAL)
Modules Per String	27
Tracking System	NEXTRACKER XTR (54, 81 & 108 MODS/ROW)
Pitch (Center to Center)	18.006 Feet
GCR	43.4%
Inverter	SUNGROW 4400KVA

Plot Date: 11/06/2025 - 1:00pm
Drawing name: C:\Users\CHANDR-I\AppData\Local\Temp\AcPublish_50188\182604053_electricalplan.dwg
Krels: Border_34x22, 182604053-PV Layout_base, 182604053-Constraints_base



PRELIMINARY
NOT FOR CONSTRUCTION

SOLAR SITE LAYOUT

HILLCLIMBER SOLAR PROJECT
HILLCLIMBER SOLAR, LLC
CHAMPAIGN COUNTY, OHIO

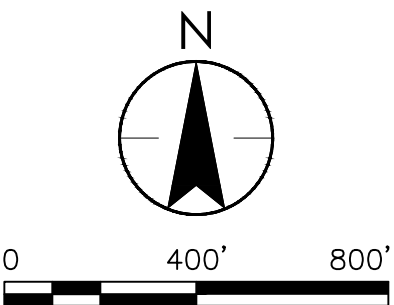
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11/6/2025		
NO	REVISION	DATE
SURVEY		----
DRAWN		RMA
DESIGNED		RMA
CHECKED		CMA
APPROVED		DDF
PROJ. NO.		182604053

SHEET NUMBER
E1.01

Plot Date: 11/06/2025 - 1:02pm
Drawing name: C:\Users\CHANDR-I\AppData\Local\Temp\AcPublish_50188\182604053_electricalplan.dwg
Xrefs: Border_34x22, 182604053-PV Layout_base, 182604053-Constraints_base



	CHAIN LINK FENCE
	ACCESS ROAD
	PVCASE TRACKERS
	INVERTERS
	SWITCHYARD
	STORMWATER POND
	LAYDOWN YARD
	MV CABLES



12075 N. Corporate Parkway, Suite 200
Mequon, WI 53092
www.stantec.com

PRELIMINARY
NOT FOR CONSTRUCTION

SOLAR SITE LAYOUT

HILLCLIMBER SOLAR PROJECT
HILLCLIMBER SOLAR, LLC
CHAMPAIGN COUNTY, OHIO

DATE OF ISSUANCE

11/6/2025

NO REVISION DATE

SURVEY

DRAWN RM

DESIGNED RM

CHECKED	CM
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APPROVED _____ D

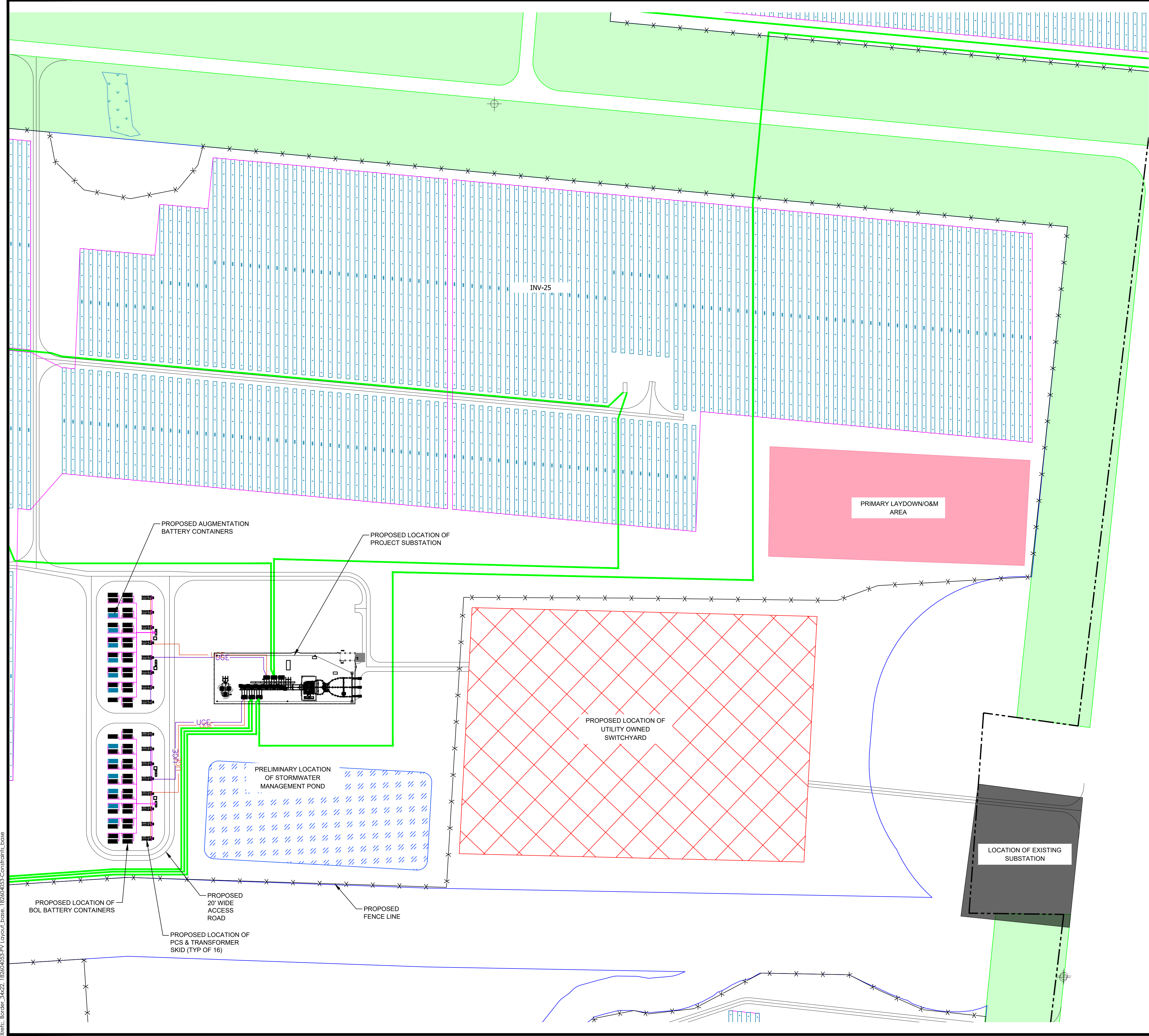
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SHEET NUMBER
51.00

E1.02

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Plot Date: 11/06/2025 - 1:04pm
Drawing name: C:\Users\CHANDR\OneDrive\Desktop\18264053_PV Layout.dwg
Xref: 18264053-PV Layout.dwg, 18264053-CONSTRAINTS.dwg



LEGEND

EXISTING

- NON JURISDICTIONAL WETLANDS
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- 150' R.O.W. SETBACK
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- MV CABLES

Major Equipment Summary Assumptions	
Storage System	CATL EnerC+ 306 Battery Enclosure C02306P05L01 (50 BOL Containers/12 Augmentation)
Power Conversion System (PCS)	SMA 4600-S2-US (16 Units)
Rated MW/MWh	Approximately 40MW / 160MWh

