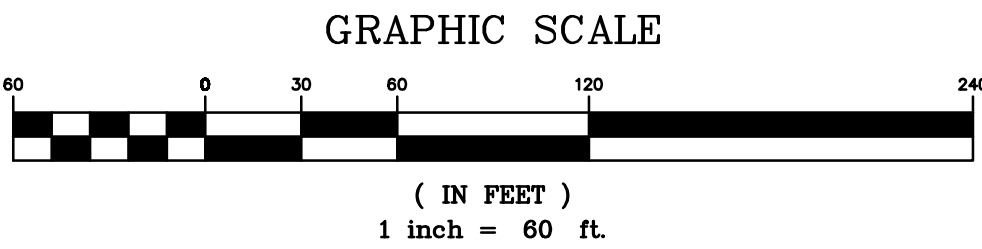



EXISTING CONDITIONS PLAN
SCALE: 1"=60'

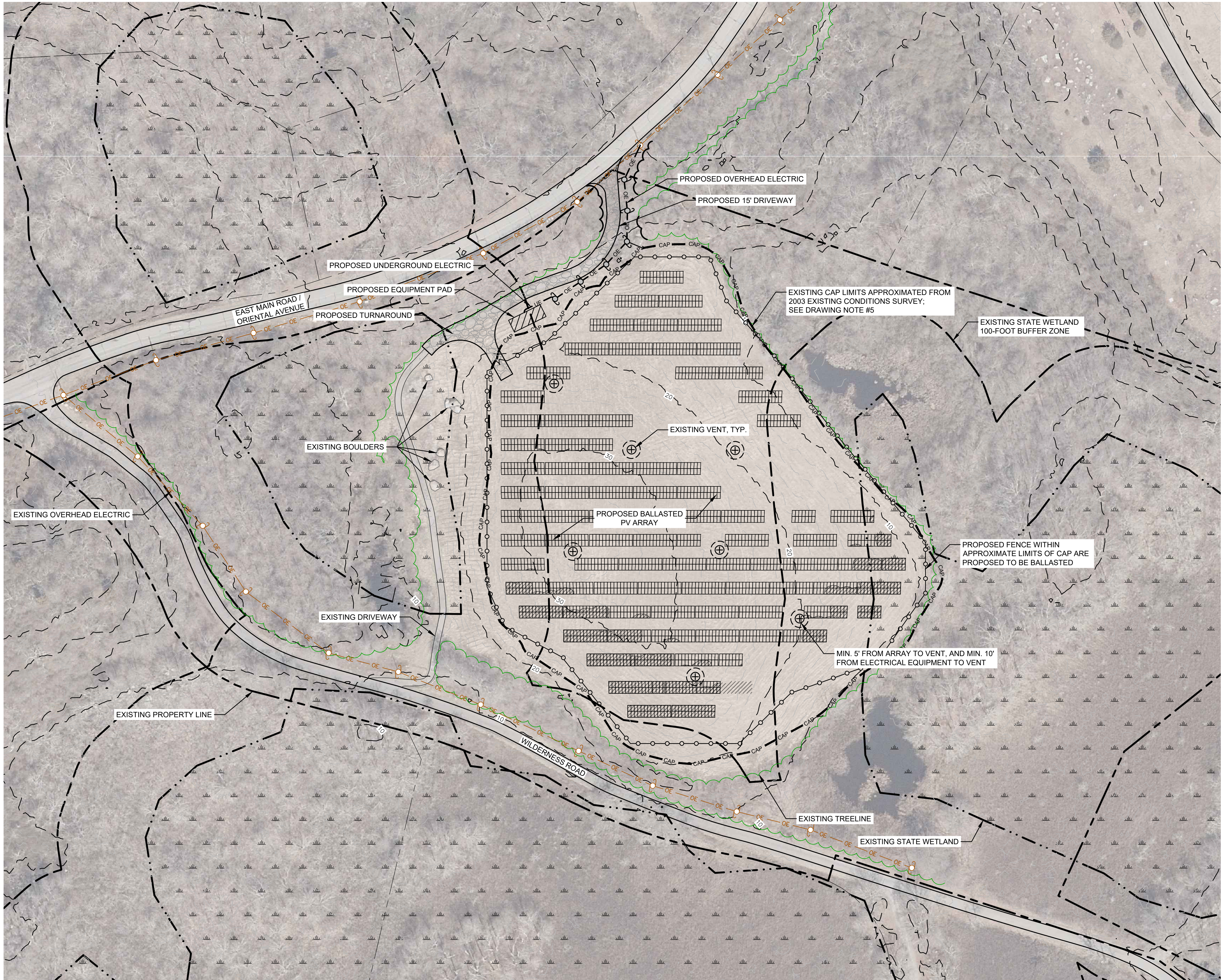


- DRAWING NOTES:**
1. ORTHOIMAGERY AND TOPOGRAPHY DOWNLOADED FROM NEW YORK STATE GIS RESOURCES. IMAGERY DATED 2023, TOPOGRAPHY DATED 2014. ACCESSED AND DOWNLOADED 09/13/2024.
 2. PROPERTY BOUNDARIES DOWNLOADED FROM TAX PARCEL POLYGON DATASET FROM SUFFOLK COUNTY GIS OPEN DATA, DATED 2023, ACCESSED AND DOWNLOADED 09/16/2024.
 3. EXISTING FEATURES APPROXIMATED BASED ON ORTHOIMAGERY FROM NEW YORK STATE GIS RESOURCES.
 4. EXISTING WETLAND BOUNDARIES DOWNLOADED FROM FRESHWATER WETLAND POLYGON DATASET FROM SUFFOLK COUNTY GIS OPEN DATA, DATED 2020, ACCESSED AND DOWNLOADED 09/26/2024.
 5. LANDFILL CAP LIMITS APPROXIMATED FROM EXISTING CONDITIONS SURVEY FOR FISHERS ISLAND PICKETT LANDFILL, PREPARED BY CME ASSOCIATES ENGINEERING & LAND SURVEYING, PLLC, DATED 9/17/2003.

LEGEND

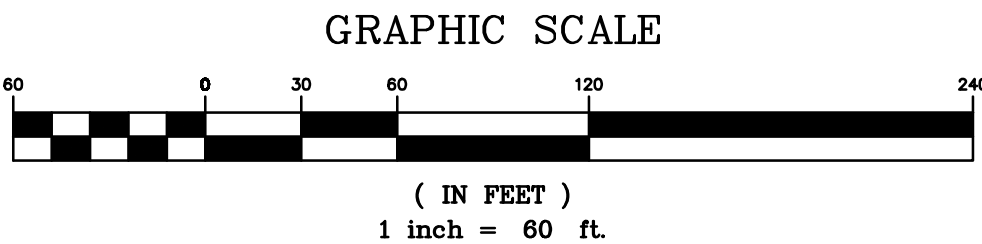
- EXISTING PROPERTY LINE
- EXISTING ADJACENT PROPERTY LINE
- EXISTING CONTOUR MINOR INTERVAL
- 30 EXISTING CONTOUR MAJOR INTERVAL
- CAP CAP CAP APPROXIMATE EXISTING LANDFILL CAP LIMITS
- EXISTING ROAD EDGE
- EXISTING DRIVEWAY
- EXISTING STATE WETLAND 100-FOOT BUFFER ZONE
- OE OE OE EXISTING OVERHEAD ELECTRIC
- EXISTING TREELINE
- EXISTING UTILITY POLE
- EXISTING VENT W/ 5' & 10' OFFSETS
- EXISTING STATE WETLAND AREA

<div>DRAFT NOT FOR CONSTRUCTION</div>	<div>REV #DESCRIPTIONDATEBY</div>		
	<div>FISHERS ISLAND SOLAR</div>		
	<div>TOWN OF SOUTHOLD</div> <div>SUFFOLK COUNTY, NY</div>		
	<div>SITE PLAN</div> <div>EXISTING CONDITIONS</div>		
<div>IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON TO ALTER THESE DOCUMENTS IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER.</div>	<div><div></div><div><div>CRAWFORD & ASSOCIATES</div><div>ENGINEERING & LAND SURVEYING, PC</div><div>1 Hudson City Centre #300, Hudson New York 12534</div><div>www.crawfordandassociates.com</div></div><div><div>tel: (518) 828-2700</div><div>fax: (518) 828-2723</div></div><div><div>© COPYRIGHT</div><div>COPYRIGHT</div></div></div>		
	<div>DATE</div> <div>12/9/2024</div> <div>SCALE</div> <div>AS SHOWN</div>	<div>DRAWN BY: JAT</div> <div>DESIGNED BY: JAT</div> <div>CHECKED BY: JSC</div> <div>APPROVED BY: JSC</div>	<div><div>H:\WORK\5843.0 Fisher Island Solar\DWG\5843.0 SITE.dwg</div><div>C&A JOB#</div><div>5843.0</div></div> <div>DRAWING:</div> <div>C-1.0</div>



PROPOSED OVERALL LAYOUT PLAN
SCALE: 1"=60'

- NOTES:
1. THE WETLAND BOUNDARIES SHOWN WERE DOWNLOADED FROM SUFFOLK COUNTY GIS OPEN DATA, AND ARE APPROXIMATE. A WETLAND DELINEATION MAY BE REQUIRED FOR MORE PRECISE WETLAND LOCATIONS.
 2. DISTURBANCE WITHIN STATE REGULATED FRESHWATER WETLANDS OR ADJACENT AREAS MAY REQUIRE A NYSDEC PERMIT.
 3. EXISTING CONDITIONS SURVEY FOR FISHERS ISLAND PICKETT LANDFILL REFERENCED IN DRAWING NOTE #3 SHOWS WETLANDS BOUNDARIES WHICH DIFFER FROM WHAT IS SHOWN.
 4. APPROXIMATE EXISTING TREE HEIGHT OF 60' ESTIMATED USING PUBLICLY AVAILABLE LIDAR.



- DRAWING NOTES:
1. ORTHOIMAGERY AND TOPOGRAPHY DOWNLOADED FROM NEW YORK STATE GIS RESOURCES. IMAGERY DATED 2023, TOPOGRAPHY DATED 2014. ACCESSED AND DOWNLOADED 09/13/2024.
 2. PROPERTY BOUNDARIES DOWNLOADED FROM TAX PARCEL POLYGON DATASET FROM SUFFOLK COUNTY GIS OPEN DATA, DATED 2023, ACCESSED AND DOWNLOADED 09/16/2024.
 3. EXISTING FEATURES APPROXIMATED BASED ON ORTHOIMAGERY FROM NEW YORK STATE GIS RESOURCES.
 4. EXISTING WETLAND BOUNDARIES DOWNLOADED FROM FRESHWATER WETLAND POLYGON DATASET FROM SUFFOLK COUNTY GIS OPEN DATA, DATED 2020, ACCESSED AND DOWNLOADED 09/26/2024.
 5. LANDFILL CAP LIMITS APPROXIMATED FROM EXISTING CONDITIONS SURVEY FOR FISHERS ISLAND PICKETT LANDFILL, PREPARED BY CME ASSOCIATES ENGINEERING & LAND SURVEYING, PLLC, DATED 9/17/2003.


LEGEND

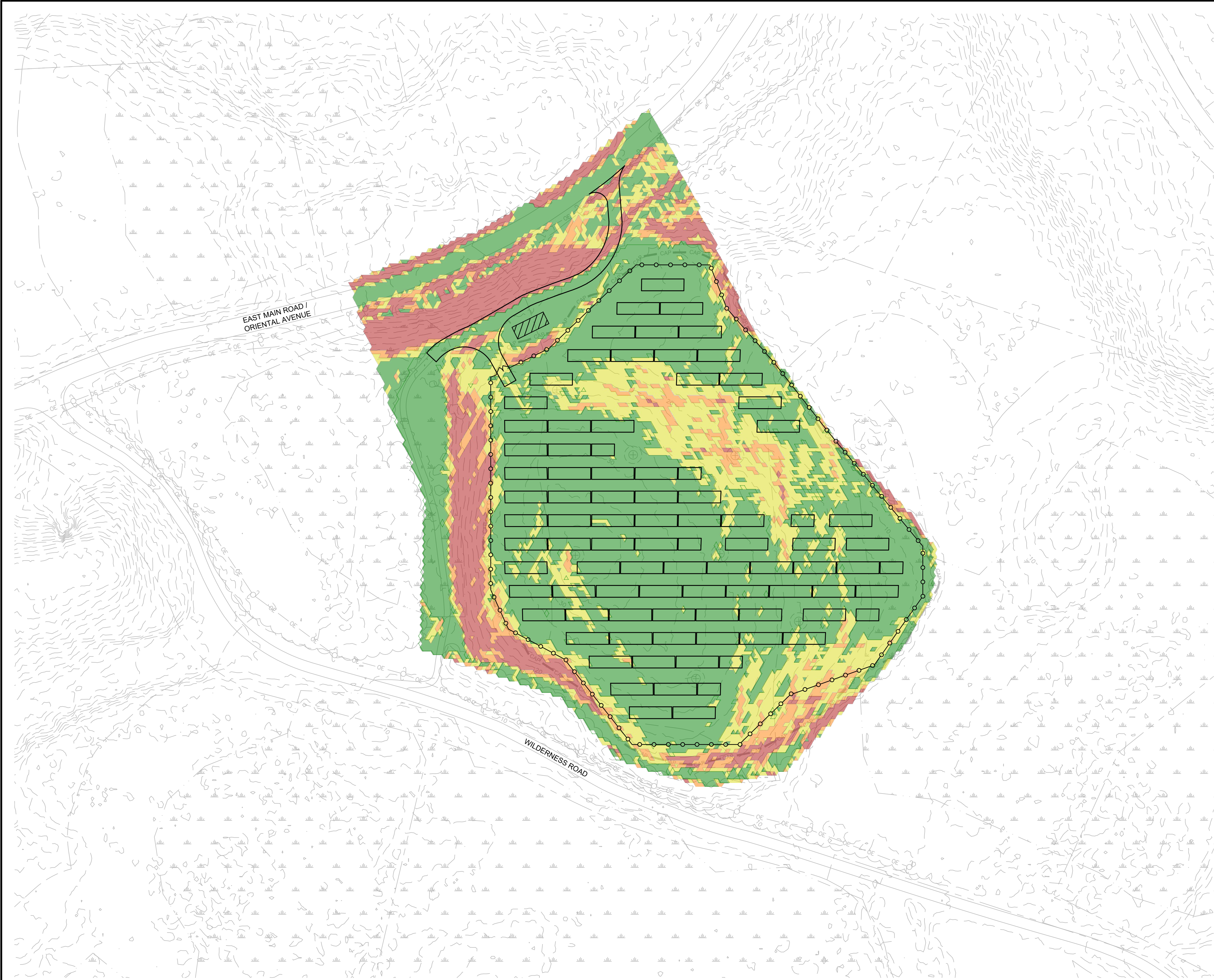
- EXISTING PROPERTY LINE
- EXISTING ADJACENT PROPERTY LINE
- EXISTING CONTOUR MINOR INTERVAL
- EXISTING CONTOUR MAJOR INTERVAL
- APPROXIMATE EXISTING LANDFILL CAP LIMITS
- EXISTING ROAD EDGE
- EXISTING DRIVEWAY
- EXISTING STATE WETLAND 100-FOOT BUFFER ZONE
- PROPOSED FENCE
- EXISTING/PROPOSED OVERHEAD ELECTRIC
- PROPOSED UNDERGROUND ELECTRIC
- EXISTING/PROPOSED TREELINE
- EXISTING/PROPOSED UTILITY POLE
- EXISTING VENT W/ 5' & 10' OFFSETS
- EXISTING STATE WETLAND AREA
- SHADED MODULES HATCH (60' TREE HEIGHT FROM 10 AM - 2 PM ON WINTER SOLSTICE)
- PROPOSED DRIVEWAY
- PROPOSED EQUIPMENT PAD

SYSTEM SUMMARY		
DESCRIPTION	VALUE	UNITS
MAXIMUM AC CAPACITY, NOMINAL	990	KW-AC
MAXIMUM DC CAPACITY	1,271	KW-DC
DC-AC RATIO	1.28	RATIO
ROW SPACING	13.5	FEET
GROUND COVER RATIO	0.50	RATIO
INVERTER: SOLECTRIA XGI 1500-166/166		
INVERTER OUTPUT VOLTAGE	600	VOLTS
INVERTER OUTPUT POWER, NOMINAL ¹	166	KW-AC
TOTAL NUMBER OF INVERTERS	6	EACH
NUMBER OF STRINGS PER INVERTER	14-15	EACH
MODULE: VSUN575N-144BMH-DG 575W		
MODULE POWER RATING	575	WATTS-DC
TOTAL NUMBER OF MODULES	2,210	EACH
MODULES PER RACK, VERTICALLY	2	PORTRAIT
MODULES PER STRING	26	EACH
MAX DC SYSTEM VOLTAGE	1,500	VOLTS
NUMBER OF STRINGS	85	EACH
TIPT ANGLE	25	DEGREES
¹ INVERTERS TO BE DERATED BY MANUFACTURER TO A NOMINAL OUTPUT POWER OF 165KW-AC.		

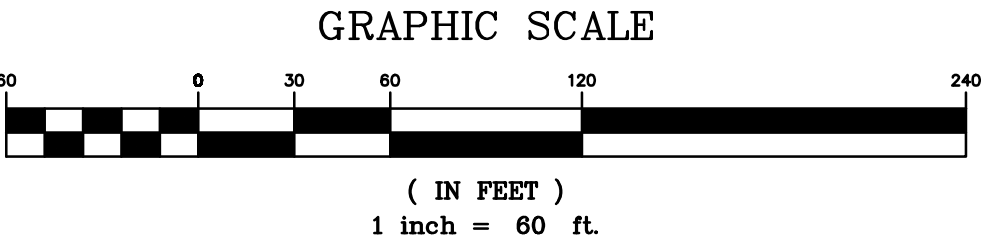
DRAFT
NOT FOR
CONSTRUCTION

IT IS A VIOLATION OF THE NEW YORK
STATE EDUCATION LAW FOR ANY PERSON
TO ALTER THESE DOCUMENTS IN ANY WAY,
UNLESS ACTING UNDER THE DIRECTION OF
A LICENSED PROFESSIONAL ENGINEER.

REV #	DESCRIPTION	DATE	BY
FISHERS ISLAND SOLAR			
TOWN OF SOUTHOLD SUFFOLK COUNTY, NY			
SITE PLAN PROPOSED OVERALL LAYOUT			
 CRAWFORD & ASSOCIATES ENGINEERING & LAND SURVEYING, PC 1 Hudson City Centre #300, Hudson New York 12534 tel: (518) 828-2700 www.crawfordandassociates.com fax: (518) 828-2723			
© COPYRIGHT			
DATE 12/9/2024	DRAWN BY: JAT	SCALE AS SHOWN	C&A JOB# 5843.0
CHECKED BY: JSC	DESIGNED BY: JAT	APPROVED BY: JSC	DRAWING: C-1.1



EXISTING CONDITIONS ANY DIRECTION SLOPE MAP
SCALE: 1"=60'



- DRAWING NOTES:
1. ORTHOIMAGERY AND TOPOGRAPHY DOWNLOADED FROM NEW YORK STATE GIS RESOURCES. IMAGERY DATED 2023, TOPOGRAPHY DATED 2014. ACCESSED AND DOWNLOADED 09/13/2024.
 2. PROPERTY BOUNDARIES DOWNLOADED FROM TAX PARCEL POLYGON DATASET FROM SUFFOLK COUNTY GIS OPEN DATA, DATED 2023, ACCESSED AND DOWNLOADED 09/16/2024.
 3. EXISTING FEATURES APPROXIMATED BASED ON ORTHOIMAGERY FROM NEW YORK STATE GIS RESOURCES.
 4. EXISTING WETLAND BOUNDARIES DOWNLOADED FROM FRESHWATER WETLAND POLYGON DATASET FROM SUFFOLK COUNTY GIS OPEN DATA, DATED 2020, ACCESSED AND DOWNLOADED 09/26/2024.
 5. LANDFILL CAP LIMITS APPROXIMATED FROM EXISTING CONDITIONS SURVEY FOR FISHERS ISLAND PICKETT LANDFILL, PREPARED BY CME ASSOCIATES ENGINEERING & LAND SURVEYING, PLLC, DATED 9/17/2003.


LEGEND

- PROPOSED FENCE
— PROPOSED DRIVEWAY
▨ PROPOSED EQUIPMENT PAD

ANY DIRECTION SLOPE LEGEND		
SLOPE MIN., %	SLOPE MAX., %	COLOR
0.00	10.00	Green
10.00	15.00	Yellow
15.00	20.00	Orange
20.00	MAX	Red

DRAFT
NOT FOR
CONSTRUCTION

IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON TO ALTER THESE DOCUMENTS IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER.	DATE 12/9/2024	DRAWN BY: JAT	C&A JOB# 5843.0	DRAWING: C-1.2
	SCALE AS SHOWN	DESIGNED BY: JAT		
		CHECKED BY: JSC		
		APPROVED BY: JSC		

REV #	DESCRIPTION	DATE	BY
FISHERS ISLAND SOLAR			
TOWN OF SOUTHOLD SUFFOLK COUNTY, NY			
EXISTING CONDITIONS ANY DIRECTION SLOPE MAP			
 CRAWFORD & ASSOCIATES ENGINEERING & LAND SURVEYING, PC 1 Hudson City Centre #300, Hudson New York 12534 tel: (518) 828-2700 www.crawfordandassociates.com fax: (518) 828-2723			
© COPYRIGHT			