
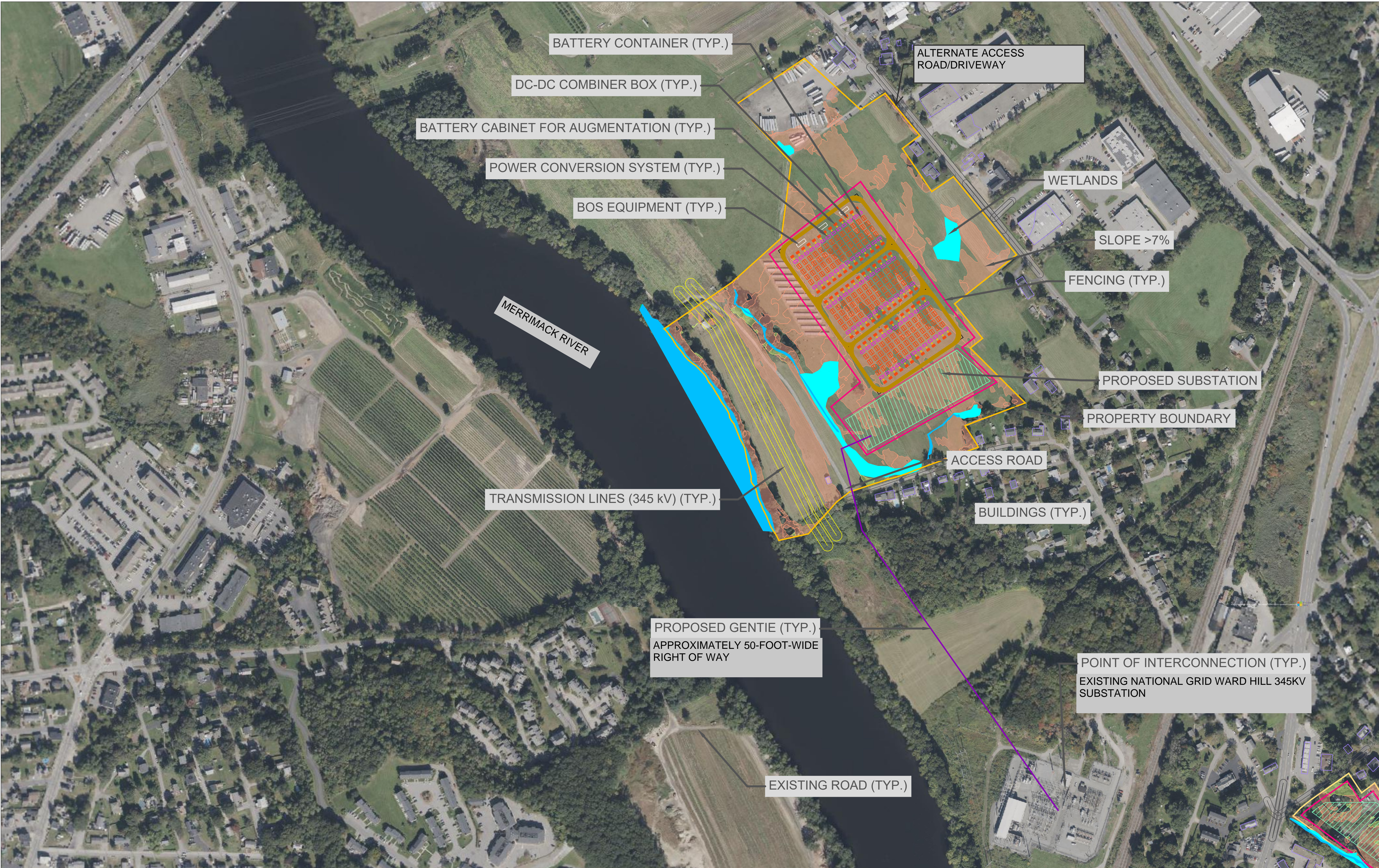
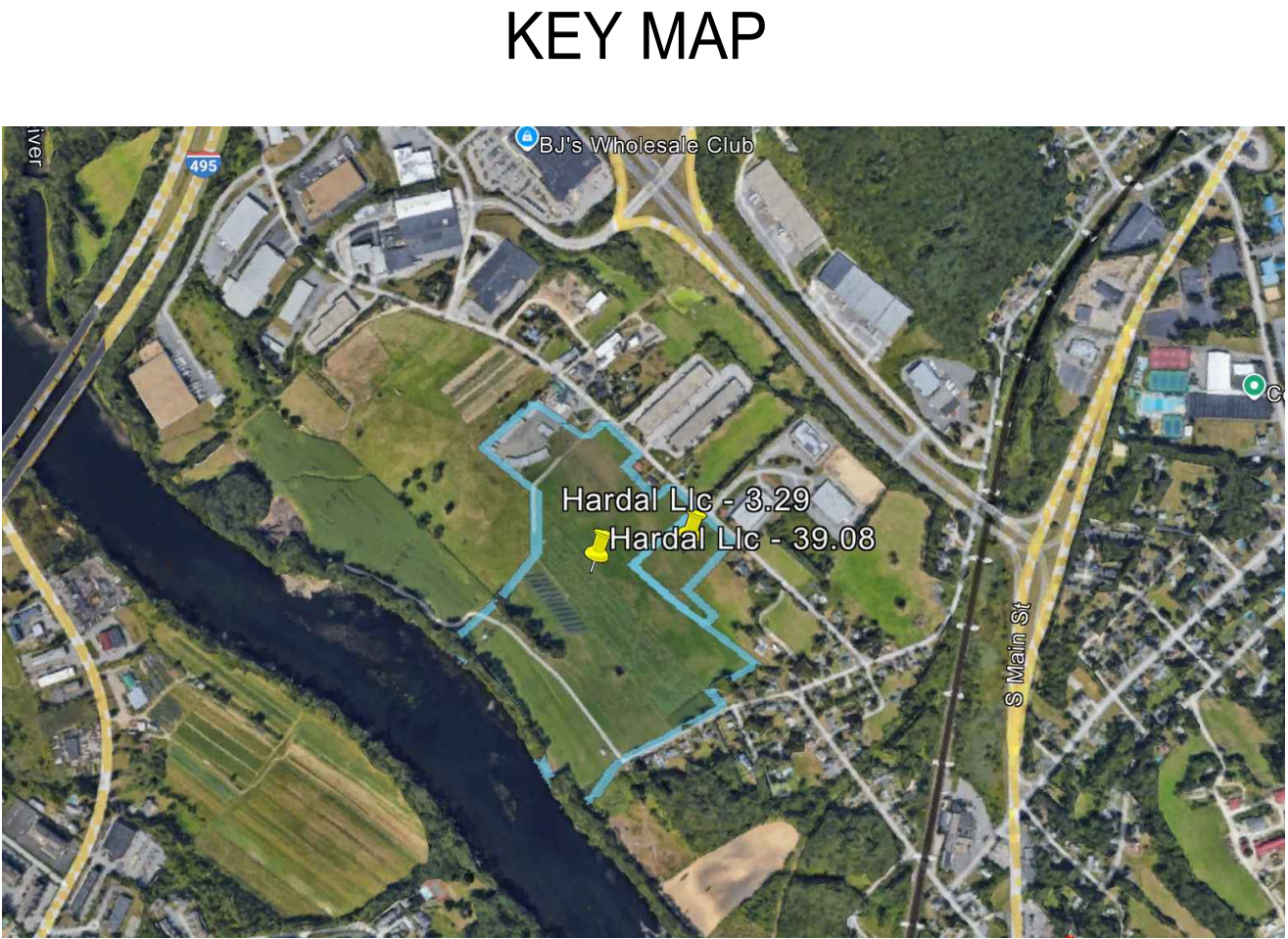
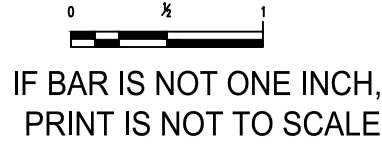
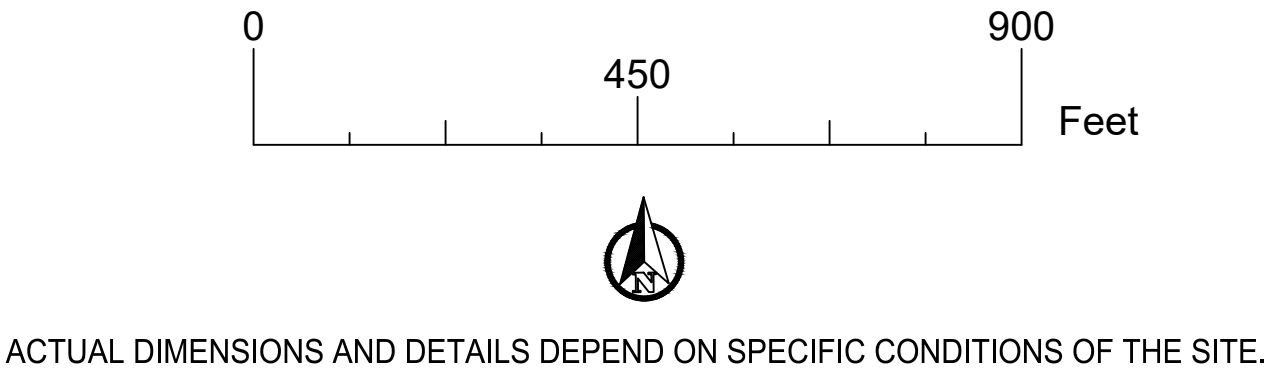


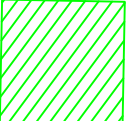









ORIGINAL ISSUE: 06/27/2025	Ward Hill Storage BESS Layout Haverhill, MA	APPROXIMATE GPS LOCATION LAT: 42.749736 LONG: -71.116003	PRELIMINARY LAYOUT	SCALE: AS NOTED	 <div>HECATE ENERGY 621 W. RANDOLPH STREET CHICAGO, IL 60661 hecateenergy.com</div>	NO.	REVISION	DATE	INIT.
PROJECT NUMBER: P-000310				DESIGNED BY: SRM		0	Preliminary Layout	6/27/2025	SRM
SHEET NUMBER: C-1				REVIEWED BY: CM		1			
						2			
						3			
						8			



QUANTITIES		
BESS SUB SIZE	BESS AREA SIZE	NUMBER OF BOS
2.47 acres	13.53 acres	3



LEGEND	
	PROJECT SITE LIMIT
	FENCING
	PROPOSED BESS SUBSTATION
	DC-DC COMBINER BOX
	POWER CONVERSION SYSTEM
	BATTERY CABINET FOR AUGMENTATION
	BATTERY CONTAINER
	WETLANDS
	NORTH-SLOPED REGIONS (5%+)
	SOUTH & EAST-WEST-SLOPED REGIONS (7%+)

SYSTEM SPECIFICATIONS PER PROJECT PHASE

BESS:	(276) CATL ENERX - 5.28 MWh
PCS SYSTEM:	(60) SUNGROW 5000MV
AUGMENTATION:	(100) CATL ENERX - 5.28 MWh (25) SUNGROW 5000MV
PROJECT SIZE:	310 MWac / 1240 MWh

- NOTES:
- THIS CONCEPTUAL PLAN IS BASED SOLELY ON AERIAL PHOTOGRAPHS AND PROVIDED PLANS.
 - GROUND MOUNTED ELECTRICAL EQUIPMENT NOT SHOWN ON THIS PLAN, MAY INCLUDE, INVERTERS SWITCHGEAR, DC COMBINERS, AND/OR TRANSFORMERS
 - DOES NOT INCLUDE GEOTECHNICAL, FLOOD PLAIN, CULTURAL, ECOLOGICAL ANALYSIS
 - NOT FOR CONSTRUCTION
 - BESS EQUIPMENT SPACING
 - SPACING BETWEEN TWO CONTAINERS = 1 FT
 - CONTAINER TO CONTAINER = 10 FT
 - CONTAINERS TO PCS = 12 FT
 - PCS TO DC-DC CONVERTER = 6 FT
 - DC-DC CONVERTER TO AUGMENTATION CONTAINERS = 4 FT
 - PCS TO PCS = 10 FT
 - EQUIPMENT TO EDGE OF ACCESS ROAD = 10 FT
 - EQUIPMENT TO WETLANDS = 25 FT
 - EQUIPMENT TO 100 YR FLOODPLAIN = 70 FT
 - PROPERTY TO EQUIPMENT = 50 FT
 - WETLANDS TO EQUIPMENT = 25 FT