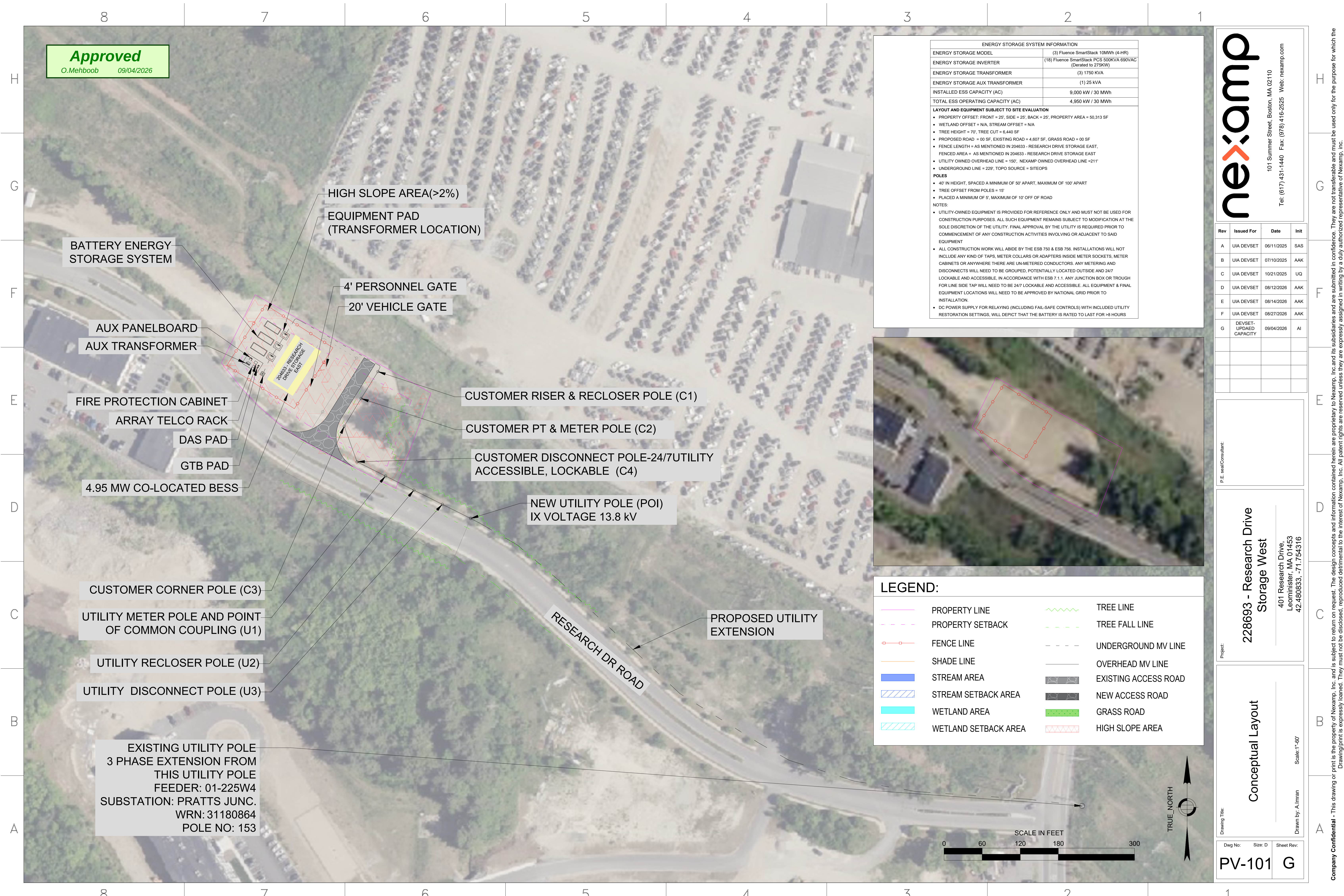




Approved
O.Mehboob 09/04/2026

ENERGY STORAGE SYSTEM INFORMATION	
ENERGY STORAGE MODEL	(3) Fluence SmartStack 10MWh (4-HR)
ENERGY STORAGE INVERTER	(18) Fluence SmartStack PCS 500kVA 690VAC (Derated to 275KW)
ENERGY STORAGE TRANSFORMER	(3) 1750 KVA
ENERGY STORAGE AUX TRANSFORMER	(1) 25 KVA
INSTALLED ESS CAPACITY (AC)	9,000 kW / 30 MWh
TOTAL ESS OPERATING CAPACITY (AC)	4,950 kW / 30 MWh

LAYOUT AND EQUIPMENT SUBJECT TO SITE EVALUATION

- PROPERTY OFFSET: FRONT = 25', SIDE = 25', BACK = 25', PROPERTY AREA = 50,313 SF
- WETLAND OFFSET = N/A, STREAM OFFSET = N/A
- TREE HEIGHT = 70', TREE CUT = 6,440 SF
- PROPOSED ROAD = 00 SF, EXISTING ROAD = 4,607 SF, GRASS ROAD = 00 SF
- FENCE LENGTH = AS MENTIONED IN 204633 - RESEARCH DRIVE STORAGE EAST, FENCED AREA = AS MENTIONED IN 204633 - RESEARCH DRIVE STORAGE EAST
- UTILITY OWNED OVERHEAD LINE = 150', NEXAMP OWNED OVERHEAD LINE = 211'
- UNDERGROUND LINE = 229', TOPO SOURCE = SITEOPS

POLES

- 40' IN HEIGHT, SPACED A MINIMUM OF 50' APART, MAXIMUM OF 100' APART
- TREE OFFSET FROM POLES = 15'
- PLACED A MINIMUM OF 5', MAXIMUM OF 10' OFF OF ROAD

NOTES:

- UTILITY-OWNED EQUIPMENT IS PROVIDED FOR REFERENCE ONLY AND MUST NOT BE USED FOR CONSTRUCTION PURPOSES. ALL SUCH EQUIPMENT REMAINS SUBJECT TO MODIFICATION AT THE SOLE DISCRETION OF THE UTILITY. FINAL APPROVAL BY THE UTILITY IS REQUIRED PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES INVOLVING OR ADJACENT TO SAID EQUIPMENT
- ALL CONSTRUCTION WORK WILL ABIDE BY THE ESB 750 & ESB 756. INSTALLATIONS WILL NOT INCLUDE ANY KIND OF TAPS, METER COLLARS OR ADAPTERS INSIDE METER SOCKETS, METER CABINETS OR ANYWHERE THERE ARE UN-METERED CONDUCTORS. ANY METERING AND DISCONNECTS WILL NEED TO BE GROUPED, POTENTIALLY LOCATED OUTSIDE AND 24/7 LOCKABLE AND ACCESSIBLE, IN ACCORDANCE WITH ESB 7.1.1. ANY JUNCTION BOX OR TROUGH FOR LINE SIDE TAP WILL NEED TO BE 24/7 LOCKABLE AND ACCESSIBLE. ALL EQUIPMENT & FINAL EQUIPMENT LOCATIONS WILL NEED TO BE APPROVED BY NATIONAL GRID PRIOR TO INSTALLATION.
- DC POWER SUPPLY FOR RELAYING (INCLUDING FAIL-SAFE CONTROLS) WITH INCLUDED UTILITY RESTORATION SETTINGS, WILL DEPICT THAT THE BATTERY IS RATED TO LAST FOR >8 HOURS



LEGEND:

	PROPERTY LINE		TREE LINE
	PROPERTY SETBACK		TREE FALL LINE
	FENCE LINE		UNDERGROUND MV LINE
	SHADE LINE		OVERHEAD MV LINE
	STREAM AREA		EXISTING ACCESS ROAD
	STREAM SETBACK AREA		NEW ACCESS ROAD
	WETLAND AREA		GRASS ROAD
	WETLAND SETBACK AREA		HIGH SLOPE AREA

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Rev	Issued For	Date	Init
A	UIA DEVSET	06/11/2025	SAS
B	UIA DEVSET	07/10/2025	AAK
C	UIA DEVSET	10/21/2025	UQ
D	UIA DEVSET	08/12/2026	AAK
E	UIA DEVSET	08/14/2026	AAK
F	UIA DEVSET	08/27/2026	AAK
G	DEVSET- UPDAED CAPACITY	09/04/2026	AI

P.E. seal/Consultant:

228693 - Research Drive Storage West

401 Research Drive,
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42.480833, -71.754316

Conceptual Layout

Scale: 1"=50'

Drawn by: A.Imran

Dwg No: **PV-101** Size: D Sheet Rev: **G**