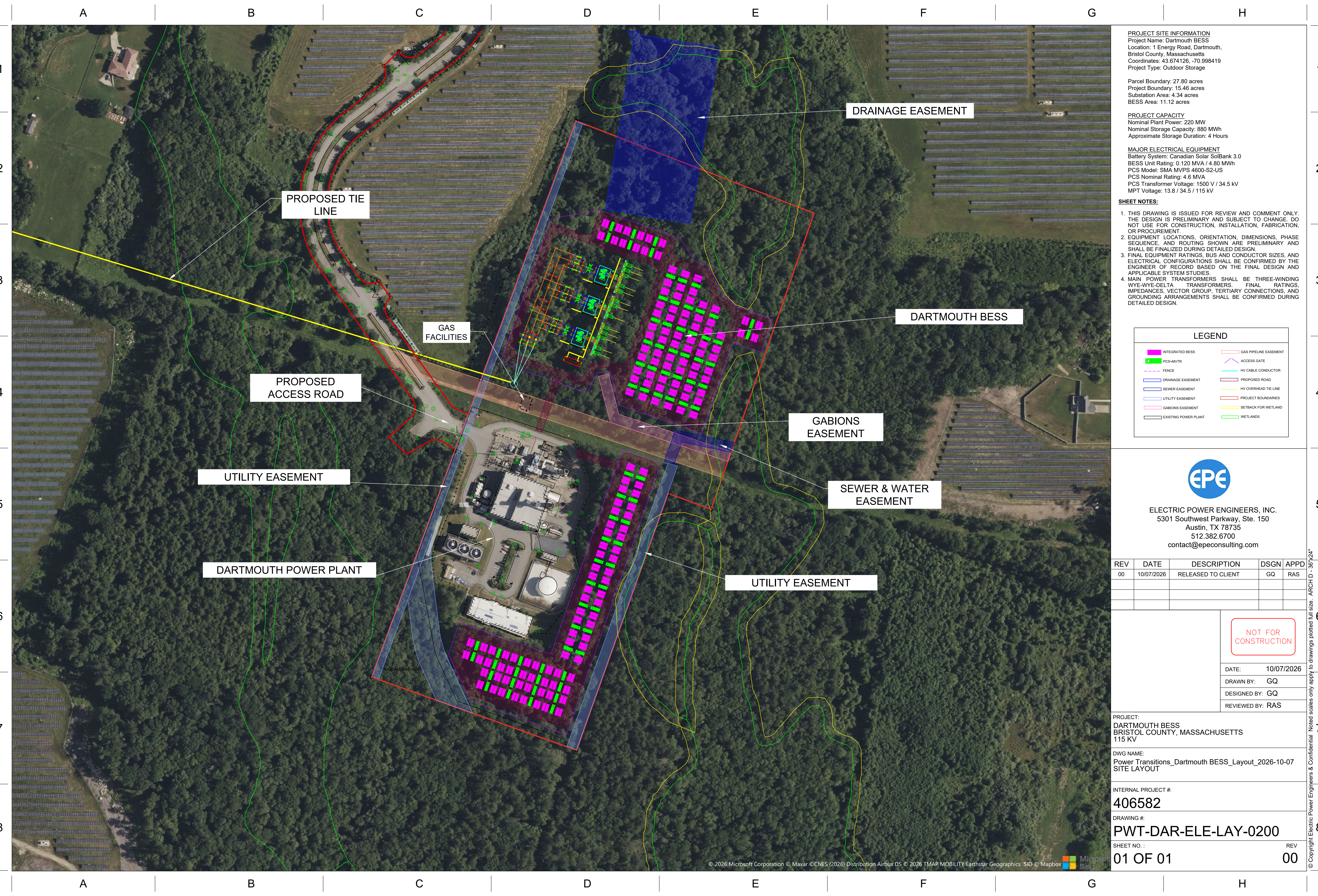




PROJECT SITE INFORMATION
Project Name: Dartmouth BESS
Location: 1 Energy Road, Dartmouth,
Bristol County, Massachusetts
Coordinates: 43.674126, -70.998419
Project Type: Outdoor Storage

Parcel Boundary: 27.80 acres
Project Boundary: 15.46 acres
Substation Area: 4.34 acres
BESS Area: 11.12 acres

PROJECT CAPACITY
Nominal Plant Power: 220 MW
Nominal Storage Capacity: 880 MWh
Approximate Storage Duration: 4 Hours

MAJOR ELECTRICAL EQUIPMENT
Battery System: Canadian Solar SolBank 3.0
BESS Unit Rating: 0.120 MVA / 4.80 MWh
PCS Model: SMA MVPS 4600-S2-US
PCS Nominal Rating: 4.6 MVA
PCS Transformer Voltage: 1500 V / 34.5 kV
MPT Voltage: 13.8 / 34.5 / 115 kV

SHEET NOTES:

1. THIS DRAWING IS ISSUED FOR REVIEW AND COMMENT ONLY. THE DESIGN IS PRELIMINARY AND SUBJECT TO CHANGE. DO NOT USE FOR CONSTRUCTION, INSTALLATION, FABRICATION, OR PROCUREMENT.
2. EQUIPMENT LOCATIONS, ORIENTATION, DIMENSIONS, PHASE SEQUENCE, AND ROUTING SHOWN ARE PRELIMINARY AND SHALL BE FINALIZED DURING DETAILED DESIGN.
3. FINAL EQUIPMENT RATINGS, BUS AND CONDUCTOR SIZES, AND ELECTRICAL CONFIGURATIONS SHALL BE CONFIRMED BY THE ENGINEER OF RECORD BASED ON THE FINAL DESIGN AND APPLICABLE SYSTEM STUDIES.
4. MAIN POWER TRANSFORMERS SHALL BE THREE-WINDING WYE-WYE-DELTA TRANSFORMERS. FINAL RATINGS, IMPEDANCES, VECTOR GROUP, TERTIARY CONNECTIONS, AND GROUNDING ARRANGEMENTS SHALL BE CONFIRMED DURING DETAILED DESIGN.

LEGEND	
	INTEGRATED BESS
	PCS-MVTR
	FENCE
	DRAINAGE EASEMENT
	SEWER EASEMENT
	UTILITY EASEMENT
	GABIONS EASEMENT
	EXISTING POWER PLANT
	GAS PIPELINE EASEMENT
	ACCESS GATE
	HV CABLE CONDUCTOR
	PROPOSED ROAD
	HV OVERHEAD TIE LINE
	PROJECT BOUNDARIES
	SETBACK FOR WETLAND
	WETLANDS



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contact@epeconsulting.com

REV	DATE	DESCRIPTION	DSGN	APPD
00	10/07/2026	RELEASED TO CLIENT	GQ	RAS

NOT FOR
CONSTRUCTION

DATE: 10/07/2026
DRAWN BY: GQ
DESIGNED BY: GQ
REVIEWED BY: RAS

PROJECT:
DARTMOUTH BESS
BRISTOL COUNTY, MASSACHUSETTS
115 KV

DWG NAME:
Power Transitions_Dartmouth BESS_Layout_2026-10-07
SITE LAYOUT

INTERNAL PROJECT #:
406582

DRAWING #:
PWT-DAR-ELE-LAY-0200

SHEET NO. :
01 OF 01

REV
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