



Blue Sky Engineers provides site civil design for battery storage, substation and switchyard, and data center campus projects, along with owner's-engineer review of civil document sets before construction. The practice is principal-led: the engineer in the kickoff call produces the drawings and applies the seal, and every issued set is prepared under the principal's own responsible charge.

2.4 GWh

BESS DESIGN SEALED

3 × 230 kV

SUBSTATION PACKAGES

6,900 MW

DATA CENTER PLANNING

18 states

PROJECT EXPERIENCE

C-100**Capabilities****Battery energy storage**

Site civil from 10% feasibility packages through IFC: pad grading, enclosure and PCS foundation coordination, access and fire lanes, containment, cut/fill balance.

Data center site planning

Conceptual campus planning with co-located generation: building and substation layout, switchyard and gas plant siting, detention, internal roads.

Independent civil review

Owner's-engineer review through IFC: construction plans, pre/post-construction hydrology, stormwater reports, SWPPP, geotechnical reports.

Substation & switchyard

Civil packages for 230/34.5 kV facilities: yard grading and surfacing, equipment and control enclosure foundations, containment, access, fencing.

Solar & wind site civil

Road network design and Civil3D corridor modeling, earthwork optimization, grading and drainage, erosion and sediment control.

Stormwater & permitting

H&H; analysis and reporting, SWPPP and NOI filings, E&SC; plans, and permit exhibits through DOT, county, and utility review.

C-500**Principal**

Sam Marvel, P.E. has practiced civil engineering since 2007, beginning at Kiewit Infrastructure West as a project engineer on the \$120M Willamette River cable-stayed bridge and Portland's \$500M combined sewer overflow program, followed by a decade of heavy civil project management in Hawaii and capital project review for the County of Maui. Licensed since 2012 and in independent practice since, he has delivered site civil design and independent review from Hawaii to New York and the U.S. Virgin Islands. Blue Sky Engineers was formed in 2024 to concentrate that practice on energy and large-load infrastructure.

B.S. CIVIL ENGINEERING, PURDUE UNIVERSITY · NCEES RECORD · REFERENCES AVAILABLE ON REQUEST

PROFESSIONAL LICENSURE: TX AZ GA CO FL NY OR HI LA

**C-300 Engineering projects — issued sets sealed by Sam Marvel, P.E.**

PROJECT	SIZE	LOCATION	STATUS	YEAR
Files Solar BESS	300 MWh	Texas	BUILT	2026
Comstock BESS	20 MWh	Texas	BUILT	2025
Milam BESS	800 MWh	Texas · ERCOT	SEALED	2025
Two Barbaras BESS	800 MWh	Texas · ERCOT	SEALED	2025
Pez Rojo BESS	800 MWh	Texas · ERCOT	SEALED	2025
Magnolia Substation	230/34.5 kV	Georgia	60% DESIGN	2026
Cypress Harvest Substation	230/34.5 kV	Louisiana	60% DESIGN	2026
Rock House Substation	230/34.5 kV	Georgia	30% DESIGN	2026
Evans Creek BESS		Texas	10% DESIGN	2026
French Riviera BESS		Texas	IN PROGRESS	2026
Brookcliff Solar	50 MWac · 500 ac	North Carolina	CONCEPT	2025

C-400 Planning & independent review

Twenty-nine engagements across eleven states: conceptual site planning for data center campuses, 6,900 MW of capacity and 5,600 MW of co-located BESS across TX, PA, OK, MO, VA, SC and CA, and owner's-engineer review of civil document sets through IFC for utility-scale developers. Selected engagements:

Hoffman Wind, NY

100 MW · IFC earthwork rebalancing, options adopted into final design

Mesa View, TX

250 MW / 500 MWh · 345/34.5 kV · 30% review

St Landry Solar, LA

150 MW · 2,500 ac · 30% basis-of-design review

Beekman Solar, LA

185 MWac · 1,600 ac · full IFC civil review

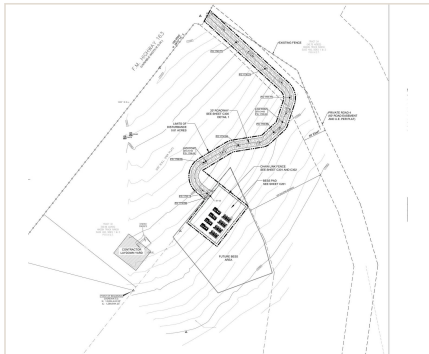
Brookline, MO

400 MW DC · 500 MW BESS · constrained campus planning

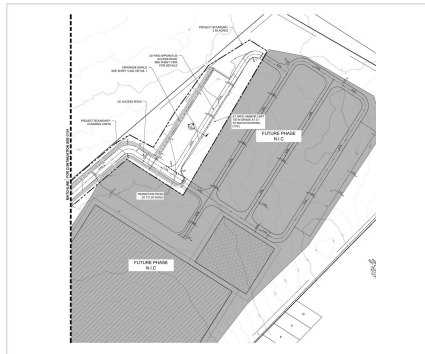
Hemlock Hollow, NY

95 MW wind · corridor optimization

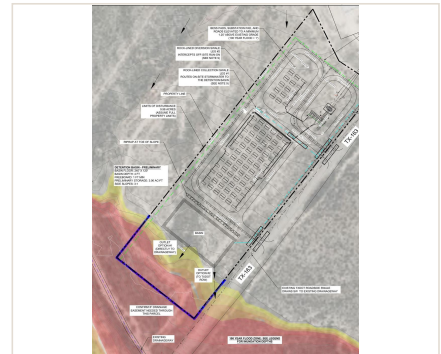
SELECTED SHEETS · TITLE BLOCKS AND CLIENT REFERENCES REMOVED



COMSTOCK · C101 SITE PLAN · IFC, BUILT



TWO BARBARAS · C102 SITE PLAN · IFC, SEALED



EVANS CREEK · C101 GRADING & DRAINAGE · 10%

C-600 How the work runs**Principal-led, start to seal**

One engineer from kickoff through the sealed set. No handoff, no rotating PM.

Project-level H&H in-house

Watershed-scale and FEMA flood modeling through Rainforce Consulting under one point of accountability.

Civil scope, clearly bounded

Survey, geotech, environmental, and electrical by your other consultants; coordinated at the interfaces, not duplicated.

Licensed across nine states

TX, AZ, GA, CO, FL, NY, OR, HI, LA, with project experience in eighteen and the U.S. Virgin Islands.