

Historical Affairs and Landmark Review Board

Arlington County, Virginia



HALRB Meeting March 19, 2025, CoA 24-06A

6733 Langston Blvd.: Amendment to CoA 24-06 to install a whole home battery.

Eastman-Fenwick House Site Renovations

HPCA25-00003

DRC Submission #1

February 15th, 2025

Address:

6733 Langston Blvd
Arlington, VA 22205

Homeowners:

Charles and Kathleen Chandler

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Scope of Work

This is an update to the previously-approved HPCA24-00011 CoA, for which work has already started. The difference is in the location of the whole home battery installation.

The electrical plans for the whole home battery installation have now been completed, necessitating a change to the installation location for safety.

- 1. Installation of a whole-home battery; there would be two Tesla Powerwall batteries installed on a new concrete pad to be located near the northeast corner of the property behind a tall tree and bushes. A trench would be dug to connect the batteries to the home. The wiring entry point into the house would be adjacent to the current electrical box, which is on the driveway side near the kitchen door.

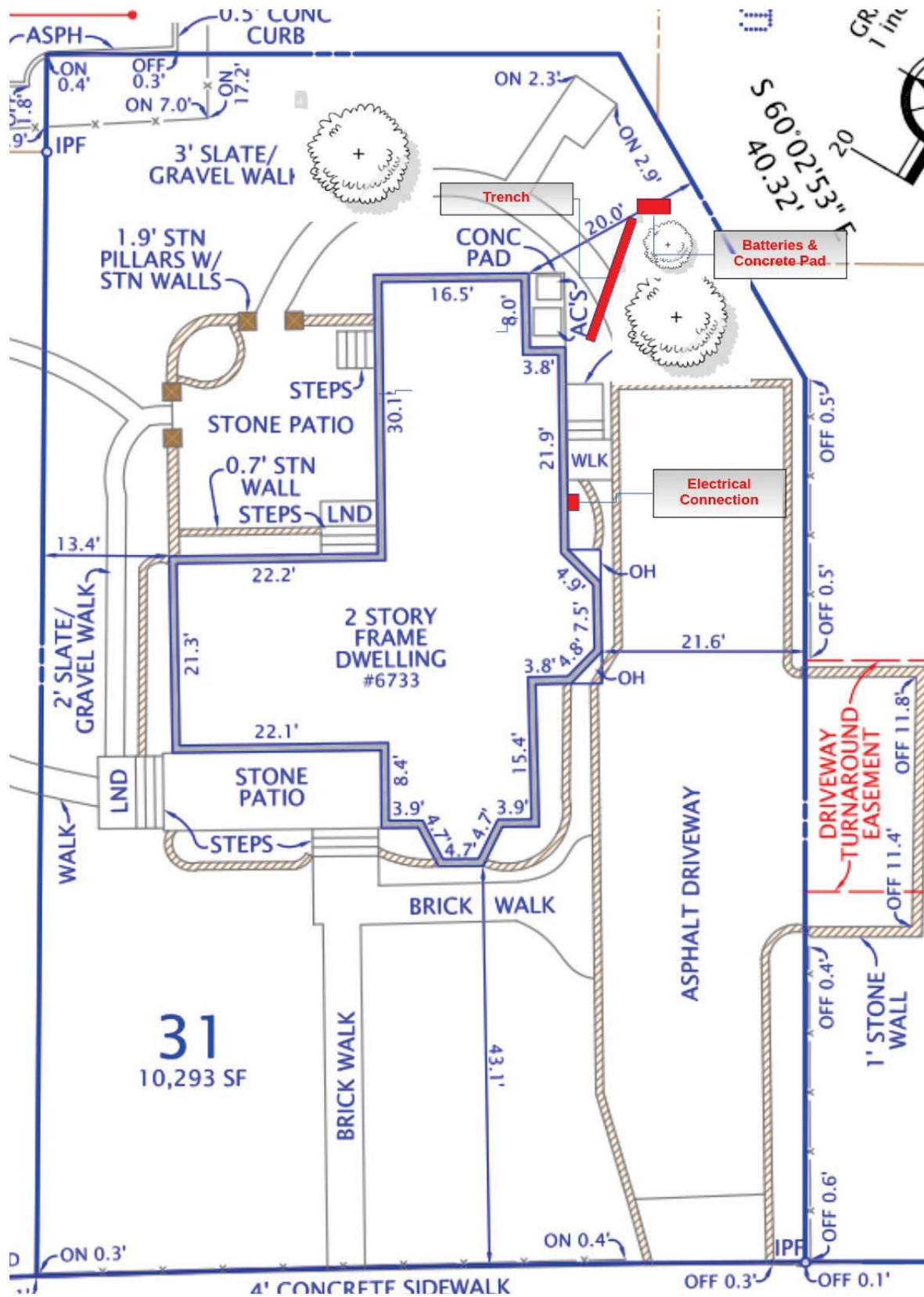
For easy reference, here is a short description of the work from HPCA24-00011:

The proposed project involves renovation of several parts of the house's exterior and surrounding site.

The project scope of work includes:

2. Replacement of the three exterior water faucets with discrete, frost-free wall hydrants and removable faucets in the same location
3. Installation of a rain barrel to help manage stormwater runoff from the roof and take advantage of the new Arlington County stormwater tax incentives; there would be one 100-gallon wooden wine barrel integrated with the downspout of the northwestern gutter system
4. Installation of a whole-home battery; there would be two Tesla Powerwall batteries installed along the driveway-side exterior next to where the electrical and gas come into the home now
5. Grounding of a lightning rod; the northern roofline lightning rod system needs to be connected to ground, and the grounding cable needs to be rerouted and extended along the exterior of the house to reach a safe grounding point
6. Installation of security cameras; four discrete, wired security cameras would be mounted to provide coverage of the exterior of the house and the grounds; one on the front porch, one on a tree overlooking the patio, and two on a tree overlooking the driveway; cable wiring would exit the house via two new penetrations near the foundation line and be attached to a new weatherized/outdoor network switch at each location.

Site Plan



Detailed Description of Work

1. Whole-home battery installation

Current driveway side view:



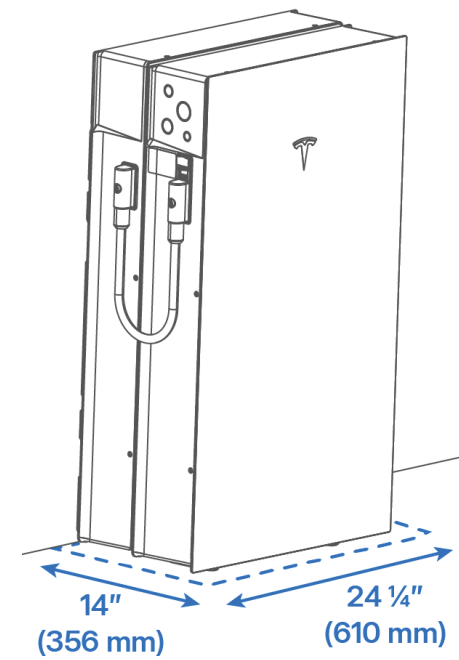
Rationale: a whole home battery would allow better energy management for the house and act as a backup source of power in case of an electrical outage

Scope: install two Tesla Powerwall batteries on a 30"x30" concrete pad behind a tree and bush near the northeast corner of the property so that it is minimally-visible from the street. Wire the batteries into the house through a filled trench and a new exterior wall penetration.

View from driveway, looking north along the east side of the house



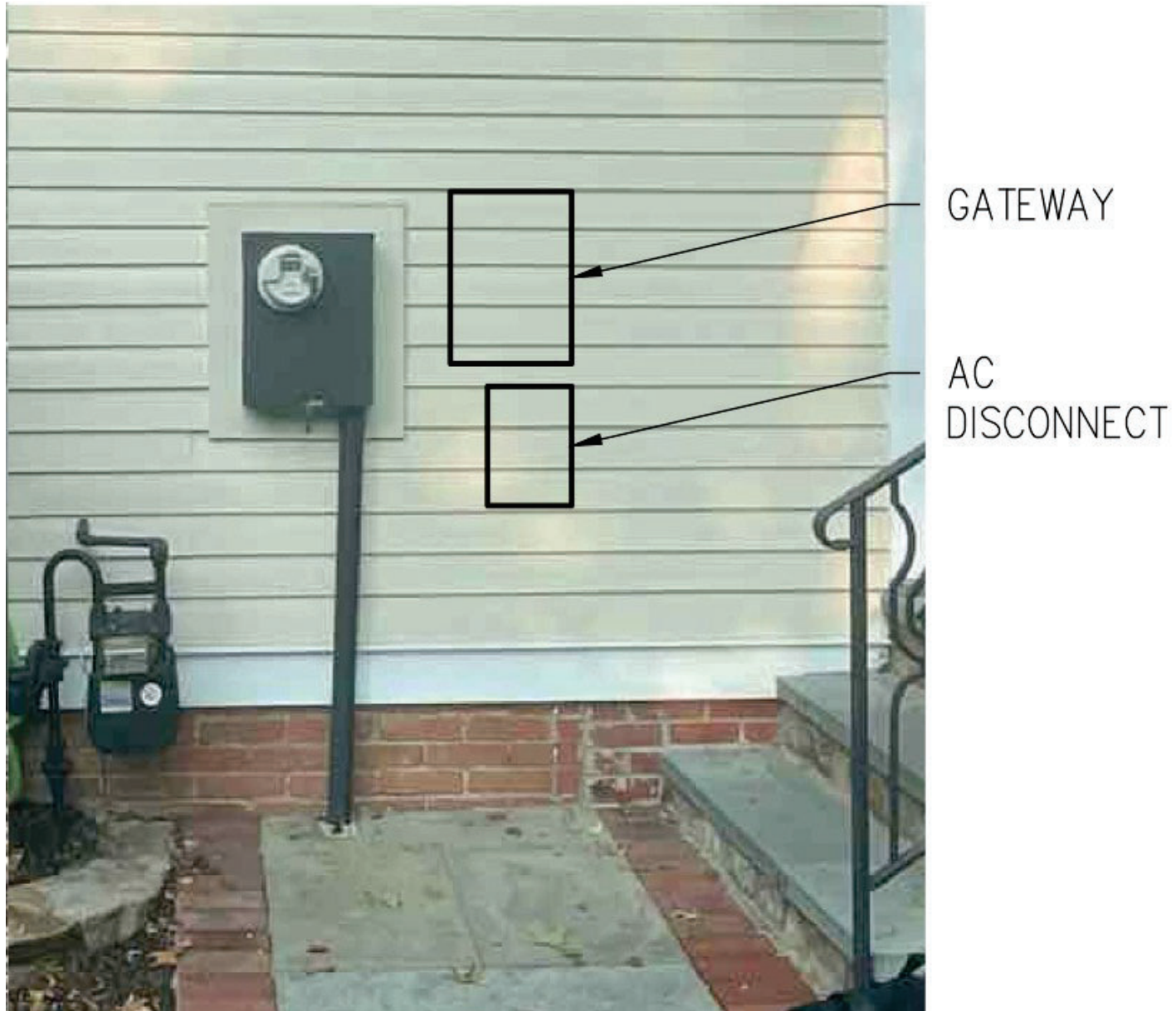
Battery pack drawing and dimensions



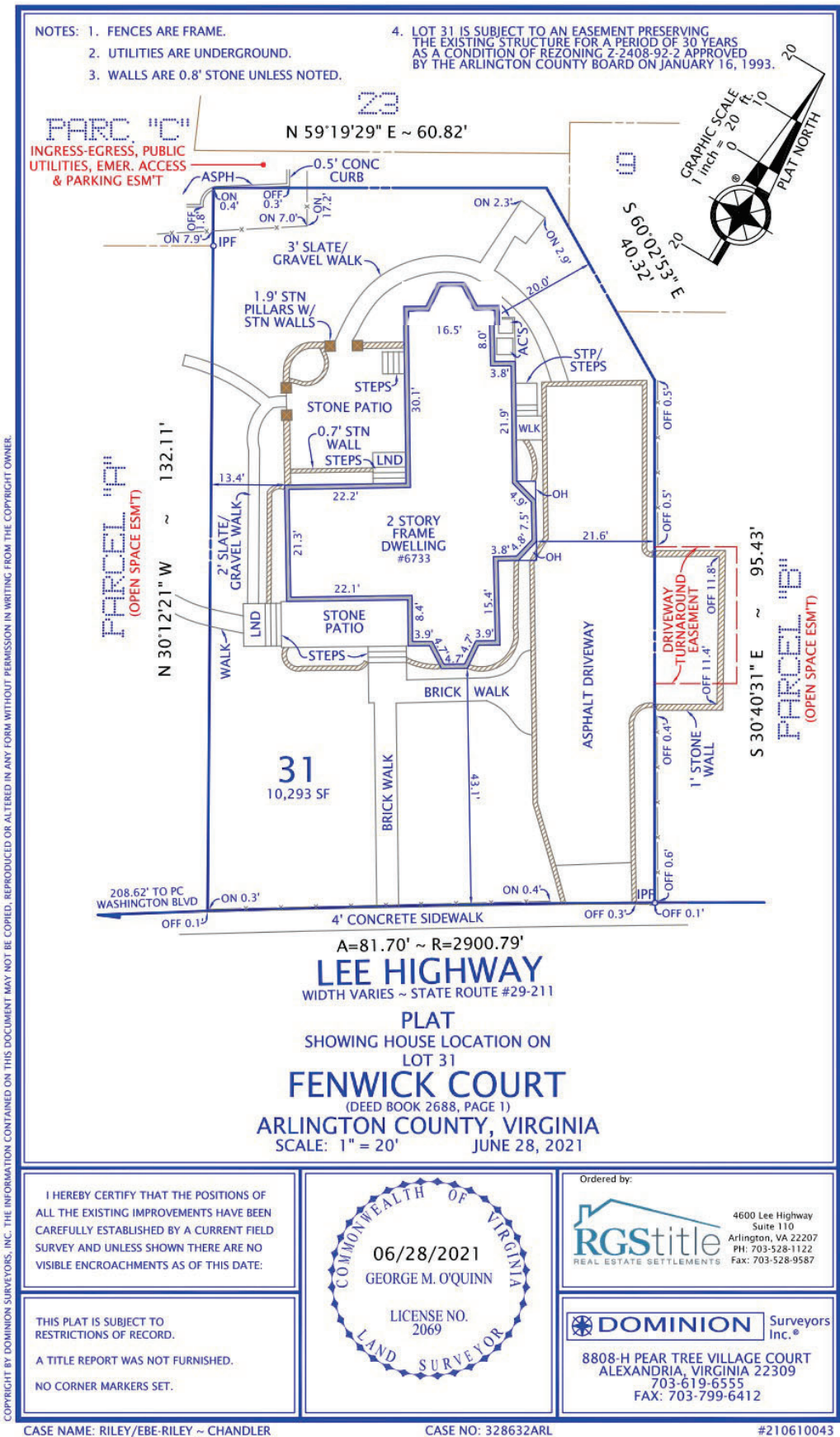
View of battery and trench location, looking southeast from north edge of property



View of east side of house at electrical connection point



Site Plat



3. Whole-home battery installation

Current driveway side view:

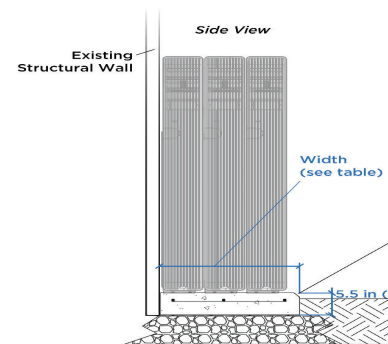
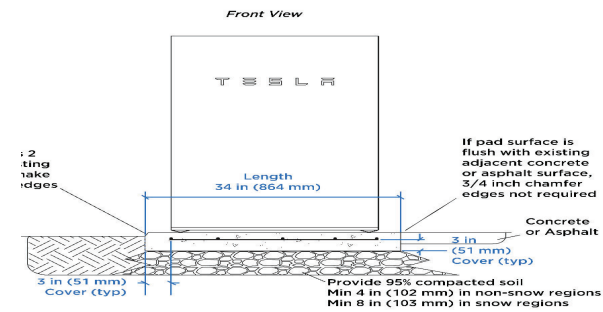


Proposed driveway side, with bush removed and whole-home battery installed (approximate location and scale):



Rationale: a whole home battery would allow better energy management for the house and act as a backup source of power in case of an electrical outage

Scope: install two Tesla Powerwall batteries on a 16"x34" concrete pad in place of the bush on the driveway / East side of the house, in the lee of the bay window so that it is minimally-visible from the street. Wire the batteries into the house through a new exterior wall penetration.



HALRB APPROVED

COA ISSUED ON March 20, 2024

FIELD CHANGES TO EXTERIOR
COMPONENTS OF APPROVED PLANS ARE
NOT PERMITTED. FOR INFORMATION CALL
703-228-3838.