

Village of Croton-on-Hudson Solar Canopy

September 1, 2021



Croton Harmon Parking Lot Solar + Storage Canopy

Project Overview

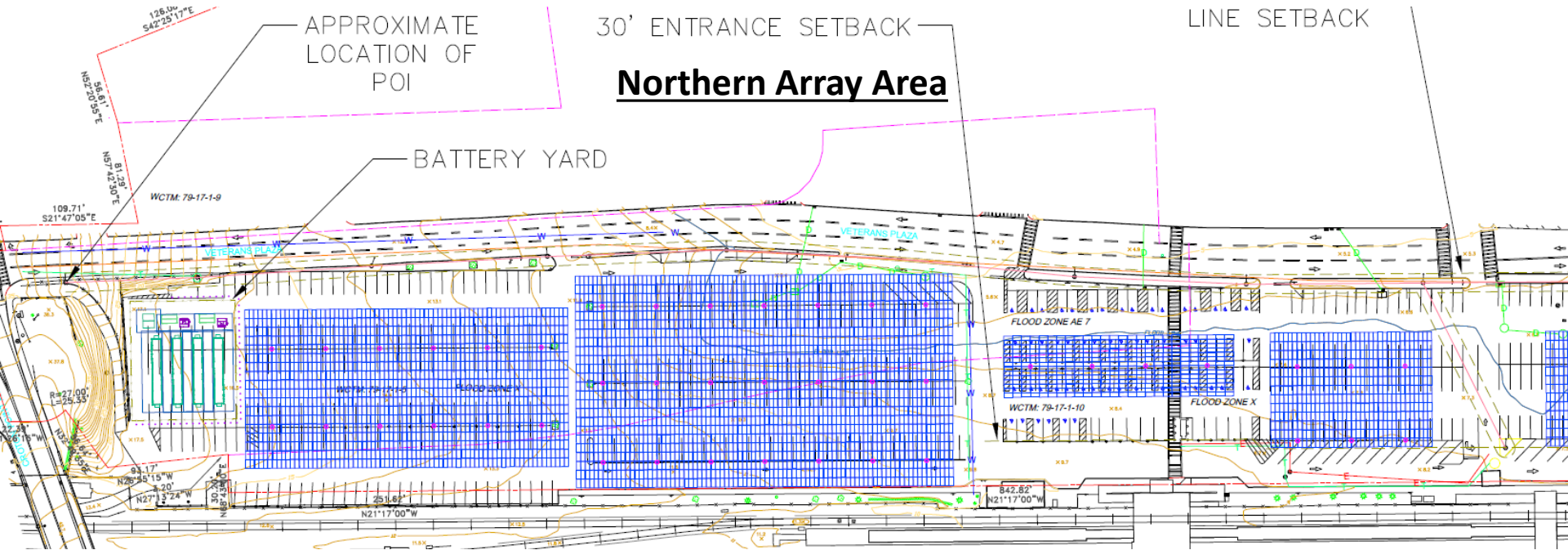
Project Location



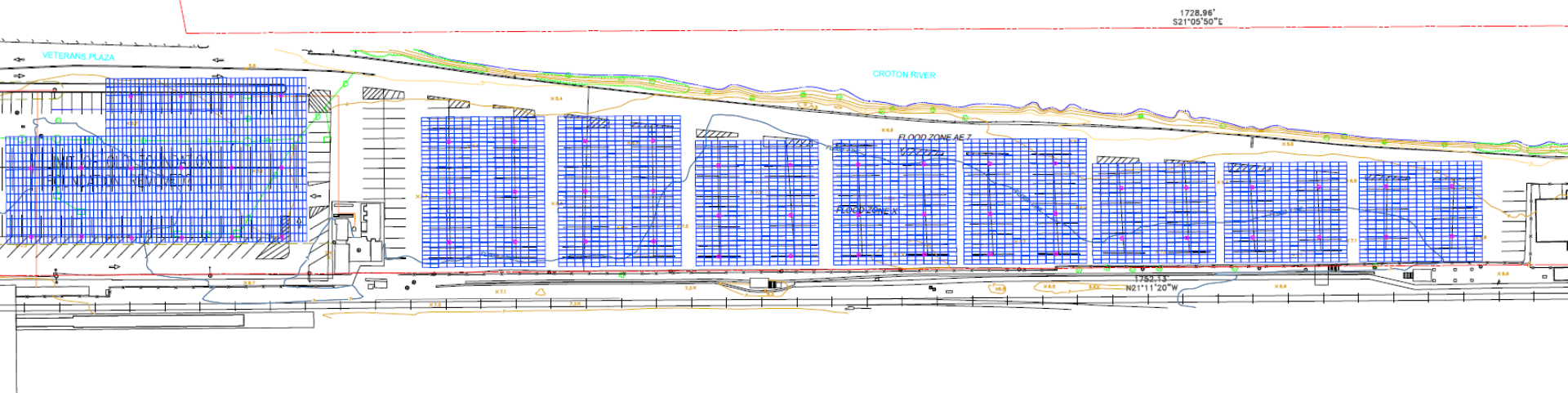
Project Summary

- 4,009kWdc / 3,625kWac solar parking carport system
 - To be constructed using Quest Renewables carport solution
 - Will consist of 8,910 LG 450W panels
- 3.75MW / 15MWh battery energy storage system (BESS)
 - Using Powin Energy Stack360 batteries across four (4) 53' containers
- Community Distributed Generation (CDG) project – to be interconnected to existing Consolidated Edison (ConEd) electric lines at Veterans Plaza / Croton Point Ave
 - Utility customers will be able to subscribe to the project

Site Layout



Southern Array Area



PEDESTRIAN ACCESS WIDTH
BETWEEN EDGE OF GUIDERAIL
AND PERIMETER FENCE (10') AND
EDGE OF UTILITY STRUCTURE (12')

VETERANS PLAZA

CANOPY SUPPORT
COLUMN (TYP.)

PROPOSED
BESS LOCATION

8' PARKING
SPACE WIDTH
(TYP.)

WCTM: 79-17

VEHICLE ACCESS WIDTH
BETWEEN BOLLARD AND CANOPY
SUPPORT COLUMN (36')
AND BETWEEN BOLLARD AND
PARKING SPACE (27')

PARCEL
BOUNDARY
LINE

PEDESTRIAN AND VEHICLE
12' ACCESS WIDTH

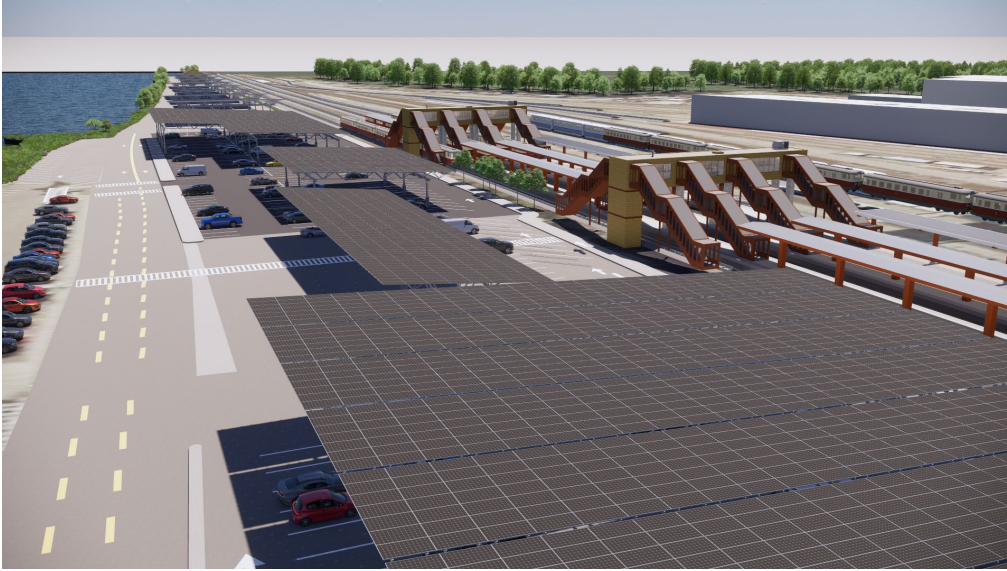
4" DIA. BOLLARDS (6' O.C.) (TYP.)
(31 BOLLARDS TOTAL)
3' OFFSET FROM BESS
PERIMETER FENCE

CROTON POINT AVE

PEDESTRIAN ACCESS WIDTH
BETWEEN EDGE OF GUIDERAIL
AND PERIMETER FENCE (5')

PEDESTRIAN AND VEHICLE ACCESS WIDTH

Renderings - Aerial



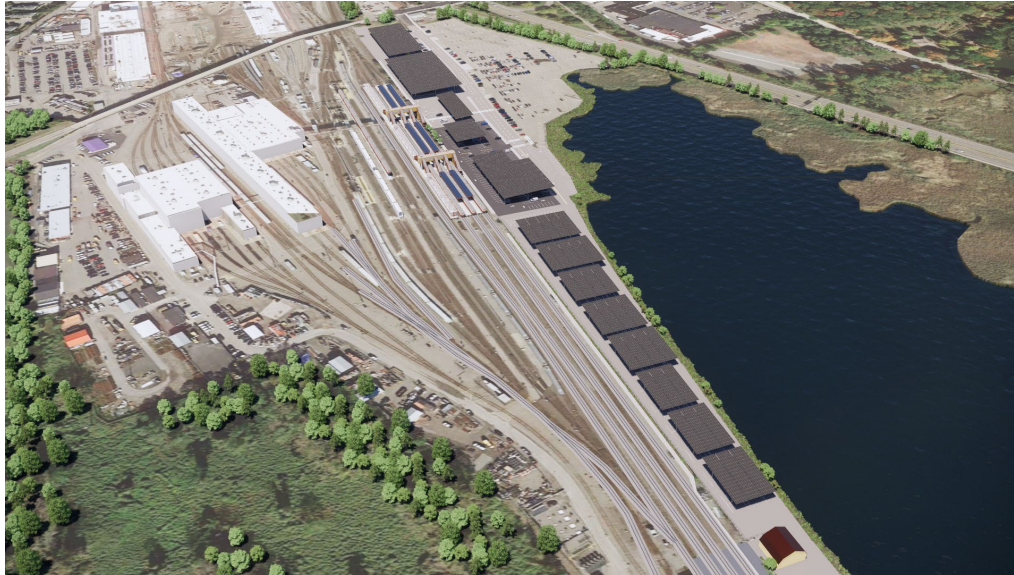
Renderings - Carport



Construction Plan

- Construction plan will be coordinated closely with the Village to ensure disruption is minimized in active parking lot
 - Will likely be developed in three phases over the course of ~8-10 months
- Installation will likely be phased to some degree, will lead to longer construction timeline
 - Most likely scenario is one canopy will be fenced off / built at once, then opened back up to parking while the team moves onto the next canopy
 - Project will go online only when site is 100% built
 - Exact details will be pending coordination with the Village

Thank You!



Any Questions?