

# Quonset Energy Storage Project

Public Informational Session  
April 22, 2026

GDQ ESS, LLC

The logo for Quonset Development Corporation features a stylized, white, wave-like graphic on the left that curves under the letter 'Q'. To the right of this graphic, the word 'QUONSET' is written in a large, white, serif font. Below 'QUONSET', the words 'DEVELOPMENT CORPORATION' are written in a smaller, white, sans-serif font.

QUONSET  
DEVELOPMENT CORPORATION

# Project Team



## Co-Applicants

Quonset Development Corporation  
GDQ ESS, LLC



## Safety

Energy Safety Response Group, LLC



## Viewsheds

EDR



## Legal Counsel

Hinckley Allen  
Keough & Sweeney



## Landscape

Kevin M. Alverson



## Historic/Archeological

The Public Archeology Laboratory, Inc.



## Civil/Project Lead

Green Development, LLC



## Electro Magnetic Fields

Exponent, Inc.



## Wetlands Biologist

McCue Environmental

# Submit Your Questions



# Our Agenda for Today

01

Quonset Business Park Overview

04

Project Safety

02

Battery Storage 101

05

Permitting Process

03

Project Specifics

06

Project Schedule

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# Welcome to the Quonset Business Park



# Quonset is Committed to Clean Energy

**80%**

**of QDC  
operations are  
powered by  
solar energy**



# Quonset is Committed to Clean Energy



## Strong support of Revolution Wind



Cable landfall comes ashore at Quonset



Interconnection facility and substation are at Quonset



Crew Transfer Vessel Harbor is at Quonset

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# What is Battery Energy Storage?

Large-scale battery energy storage systems use different methods to hold onto power so that it can be released when needed.

Lithium Ion  
Thermal  
Mechanical

**Quonset Battery Storage Project = Lithium Ion**

# Potential Benefits of Battery Energy Storage

**Keeps supply and demand balanced in real time**

**Improves reliability during peak system usage**

**Supports adding renewable sources to the grid**

**Offsets the need to increase fossil fuel plant use during peak times**

# Batteries are Consistent with State Energy Goals

## State of Rhode Island Energy 2035 Plan

This long-term roadmap focuses on energy security, cost-effectiveness, and sustainability. Batteries help through peak shaving and helping to integrate renewables into the grid.

**2014 Resilient Rhode Island Act**

**2014 Affordable Clean Energy Security Act**

**2024 Energy Storage Systems Act**

# What Do Large-Scale Batteries Look Like?



Credit: UL Solutions



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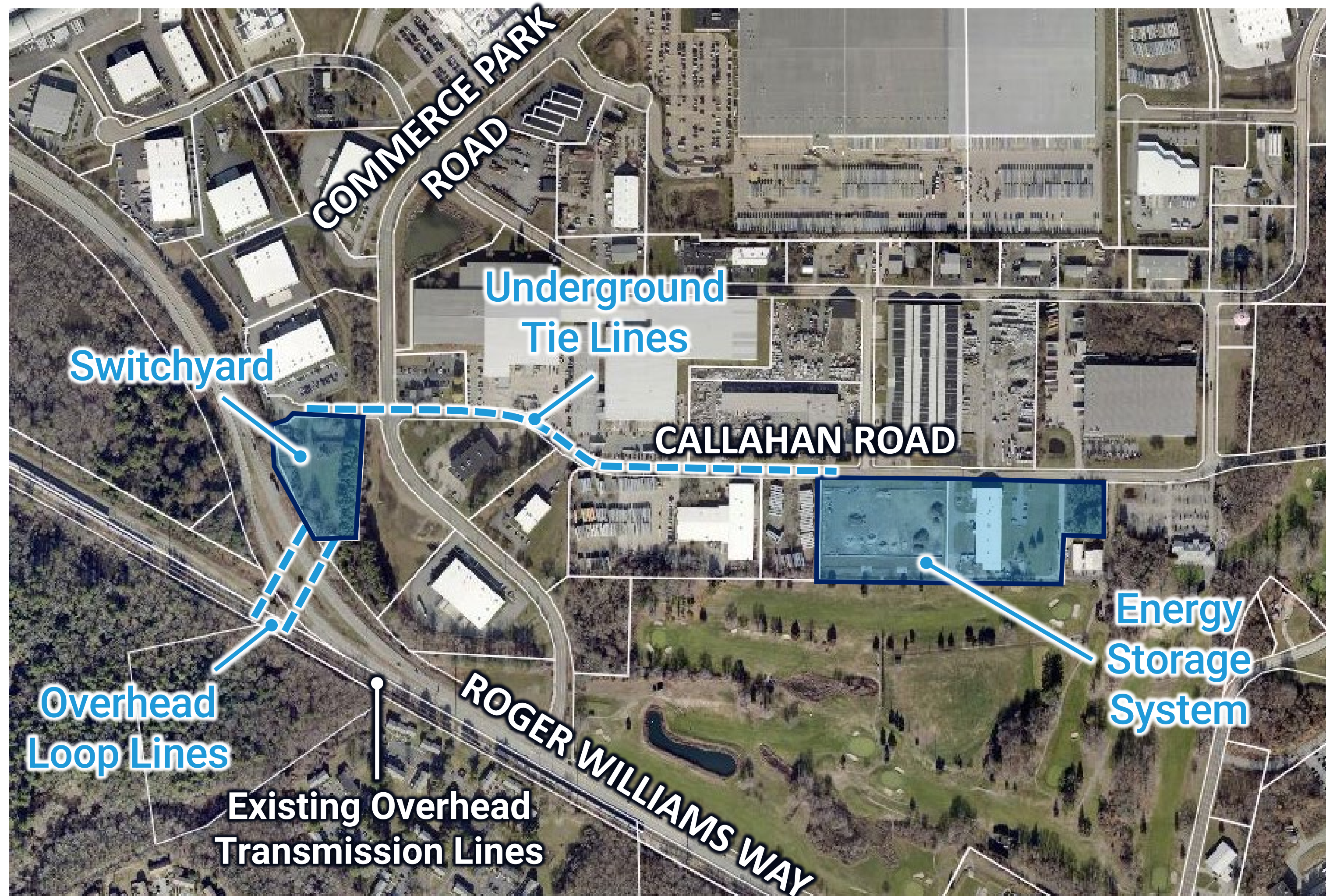
06

Project Schedule

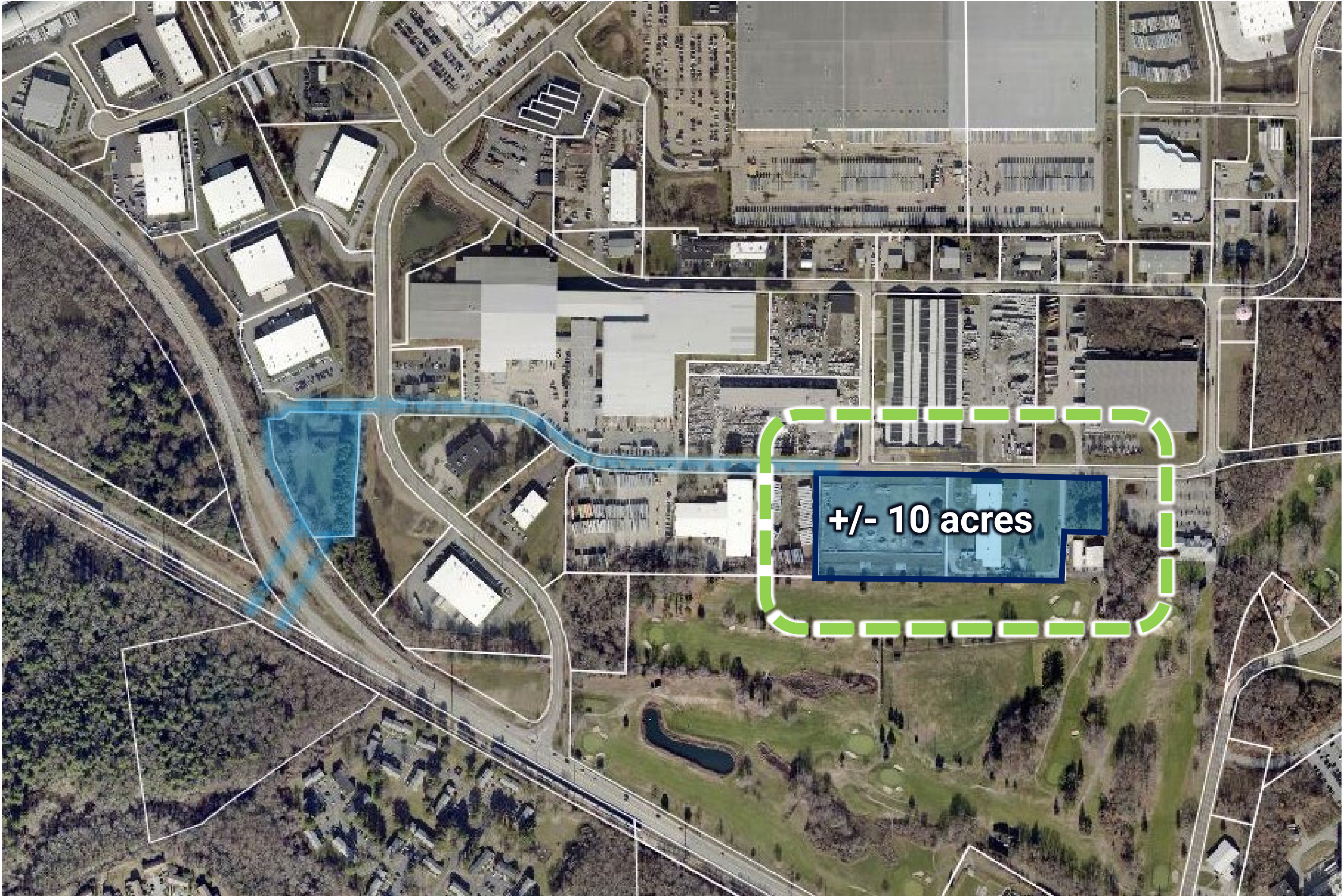
# Project Location



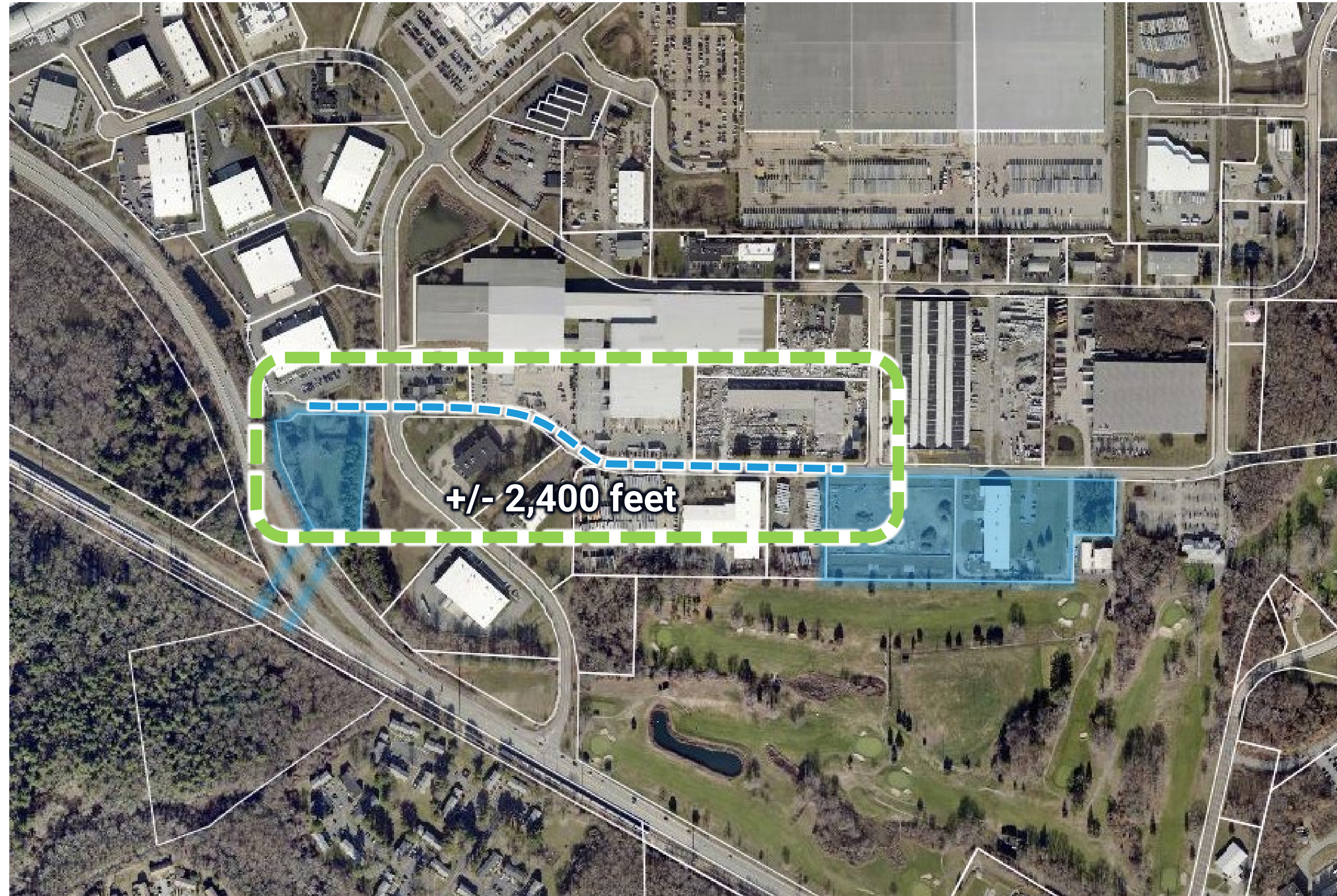
# Project Components



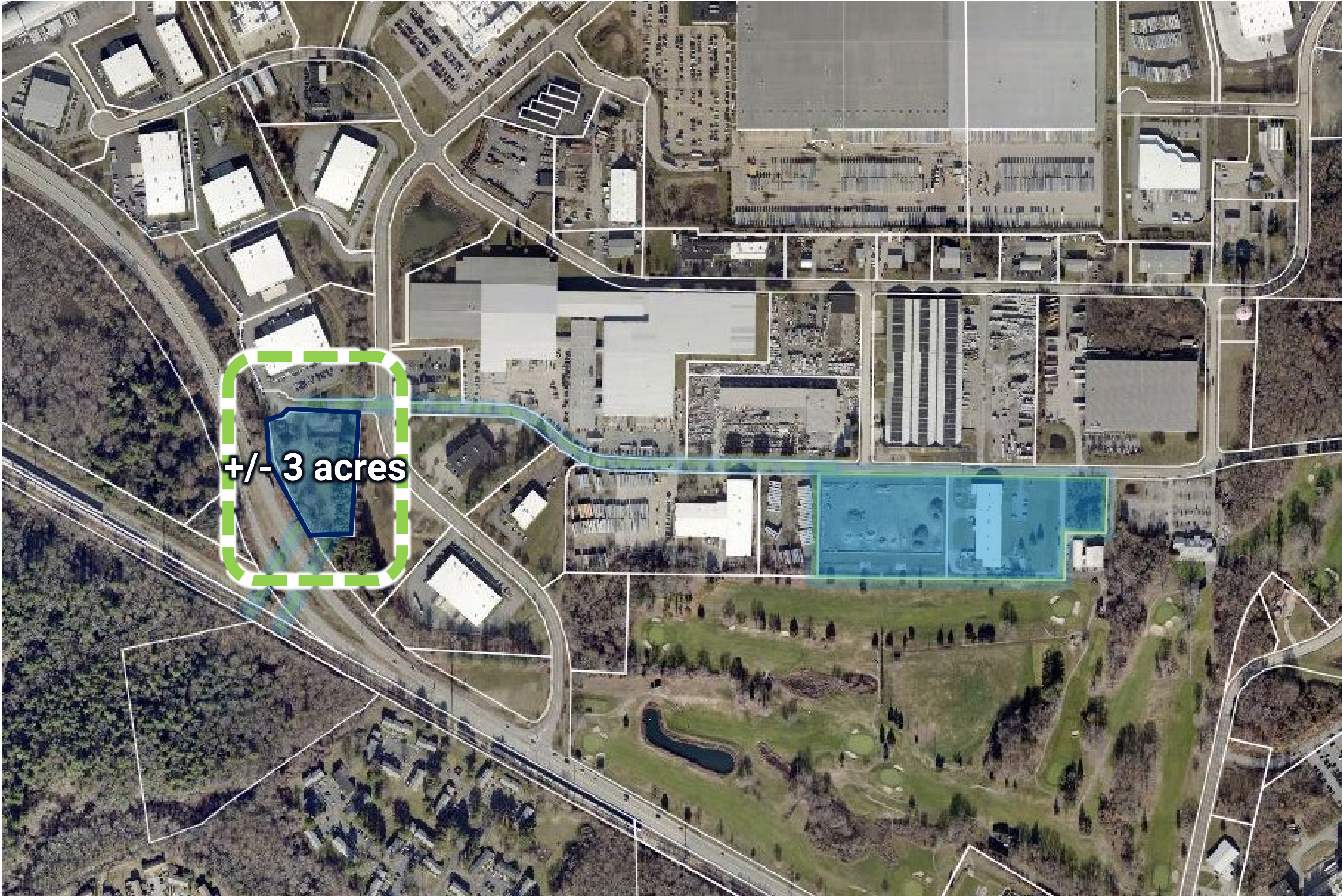
# Energy Storage System & Substation



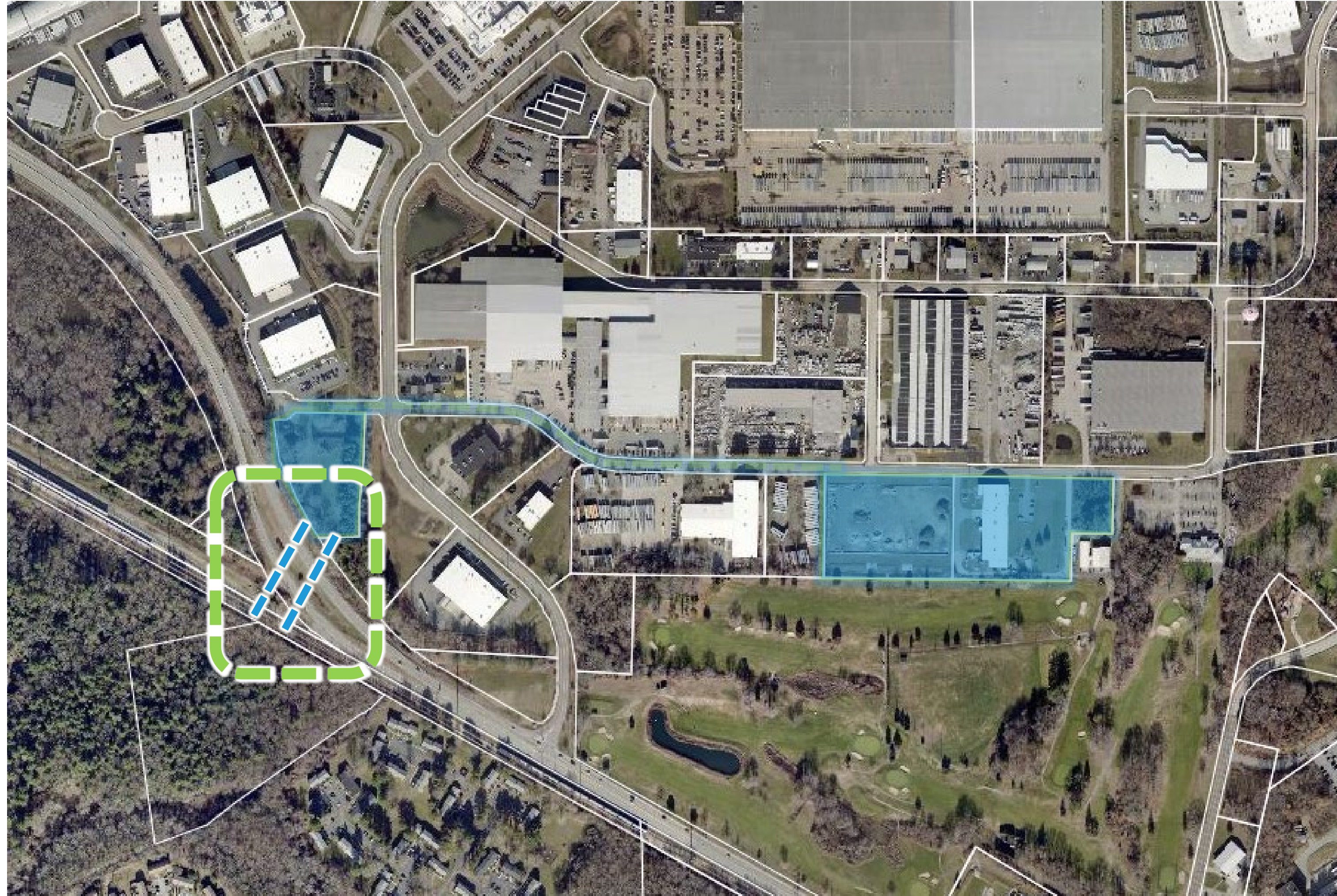
# Underground Gen-Tie Line



# Switchyard



# Overhead Loop Lines



# New Town of North Kingstown Fire Station



# Addressing Possible Impacts



## Soil & Wetlands

- Soil Erosion and Sediment Control Plan
- Stormwater Management & Water Quality Permits from RIDEM

- Sites within Quonset Business Park
- Already mostly cleared of vegetation during Navy use

## Vegetation & Wildlife




## Traffic

- Access via Route 403 & Quonset Business Park Roads
- Well signed detour routes with police detail

- Assessment by Public Archeological Laboratory
- RI HPHC confirmed no further study necessary

## Historic & Archeological



## Electric & Magnetic Fields

- Below exposure limits
- Within background EM fields
- Fraction of guidelines at 100% charging/ discharging

# What Does It Look Like?

Rendering of Callahan Road View  
by Environmental Design Research



# What Does It Sound Like?



Average Decibels	Equivalent Sounds
30 dB	Leaves rustling, soft music, whisper
40 dB	Average home noise
50 dB	Quiet refrigerator
60 dB	Normal conversation, background music
70 dB	Office noise, inside a car at 60 mph
75 dB	Vacuum cleaner, average radio

Source: webmd.com

Assessment by Noise Control Engineering

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# Designed with Safety in Mind

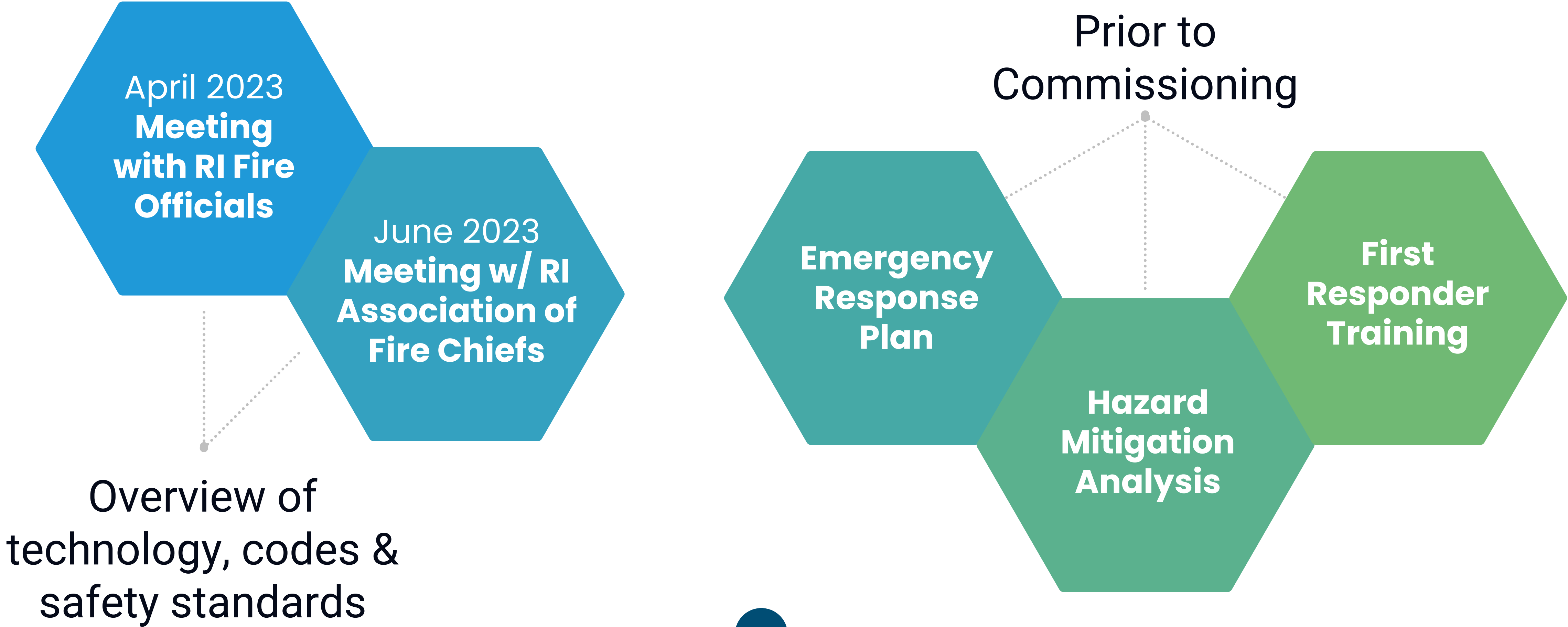
## Site Layout:

- ★ Site Security: 8' fencing, access control and camera systems
- ★ Physical separation of battery units
- ★ Use of clearance and perimeter setbacks
- ★ First Responder station & control house
- ★ First Responder access throughout the site

## Controls & Monitoring:

- ★ Integrated Battery Management System (BMS)
- ★ Early detection & hazard mitigation systems
- ★ 24-hour remote monitoring for alarms & controls

# Purposeful Planning for Emergency Response



# Designed with Safety in Mind

Smoke Detector  
Gas Detector  
Gas Ventilation  
Exhaust



Temp Detector  
Aerosol Bottle

HVAC

HVAC

BMS Top Level

Gas  
Ventilation  
Intake

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# Energy Facility Siting Board (EFSB)



The State of Rhode Island's licensing and permitting authority for the **siting, construction, or alteration** of **major energy facilities**



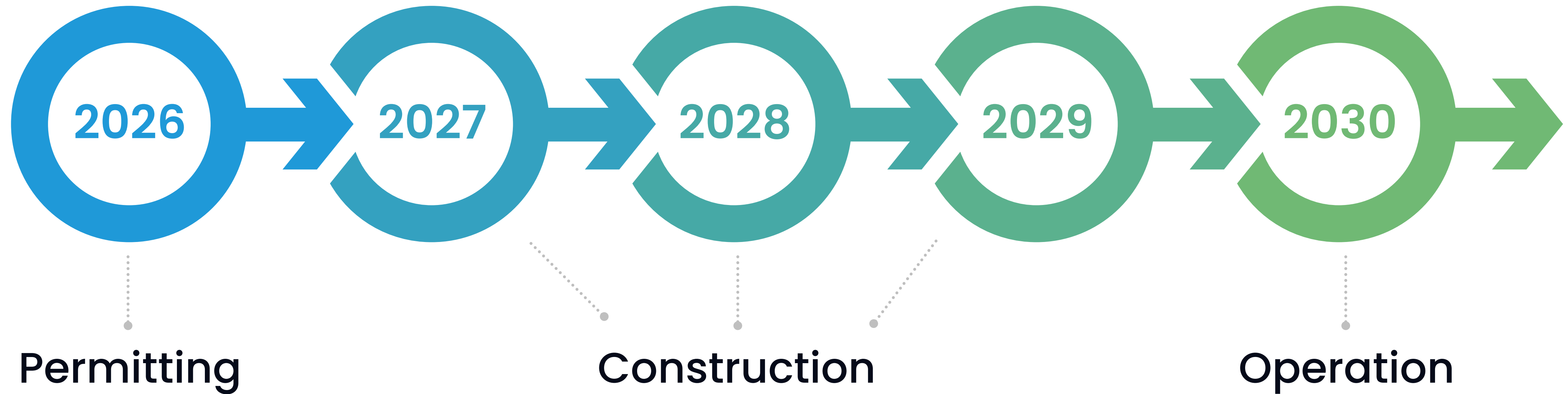
# EFSB Public Process



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# Communication Plan

[www.quonsetenergystorage.com](http://www.quonsetenergystorage.com)



Detour Signs & Message Boards

Project Website Updates

Sign-Up for Notices about Construction Activities

Staffed Field Office





**Closing**

# Submit Your Questions



# Stay in Touch



Project Website

[www.quonsetenergystorage.com](http://www.quonsetenergystorage.com)



QDC Project Updates



**Virtual Meeting**  
May 12, 2026

*Link to be posted on project website  
Same content as today*