



Cedar Lee Tower Project

Overview

PREPARED BY

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2026 | RESTON, VA | MILESTONETOWERS.COM



Summary

verizon

T-Mobile



Milestone proposed a tower at Liberty HS
in 2024

Coverage gaps still exist and both T-Mobile
and Verizon need solutions

Milestone seeks to grow its partnership
with the school board



Kettle Run

Coverage Issues Have Persisted over the years

Carriers are placing a tower off Flint Hill Road in the near future. TBD.

This tower will impact coverage at the High school



Cedar Lee MS

Pole Swap Option Available
Off Rear Parking Lot

Treepole design option

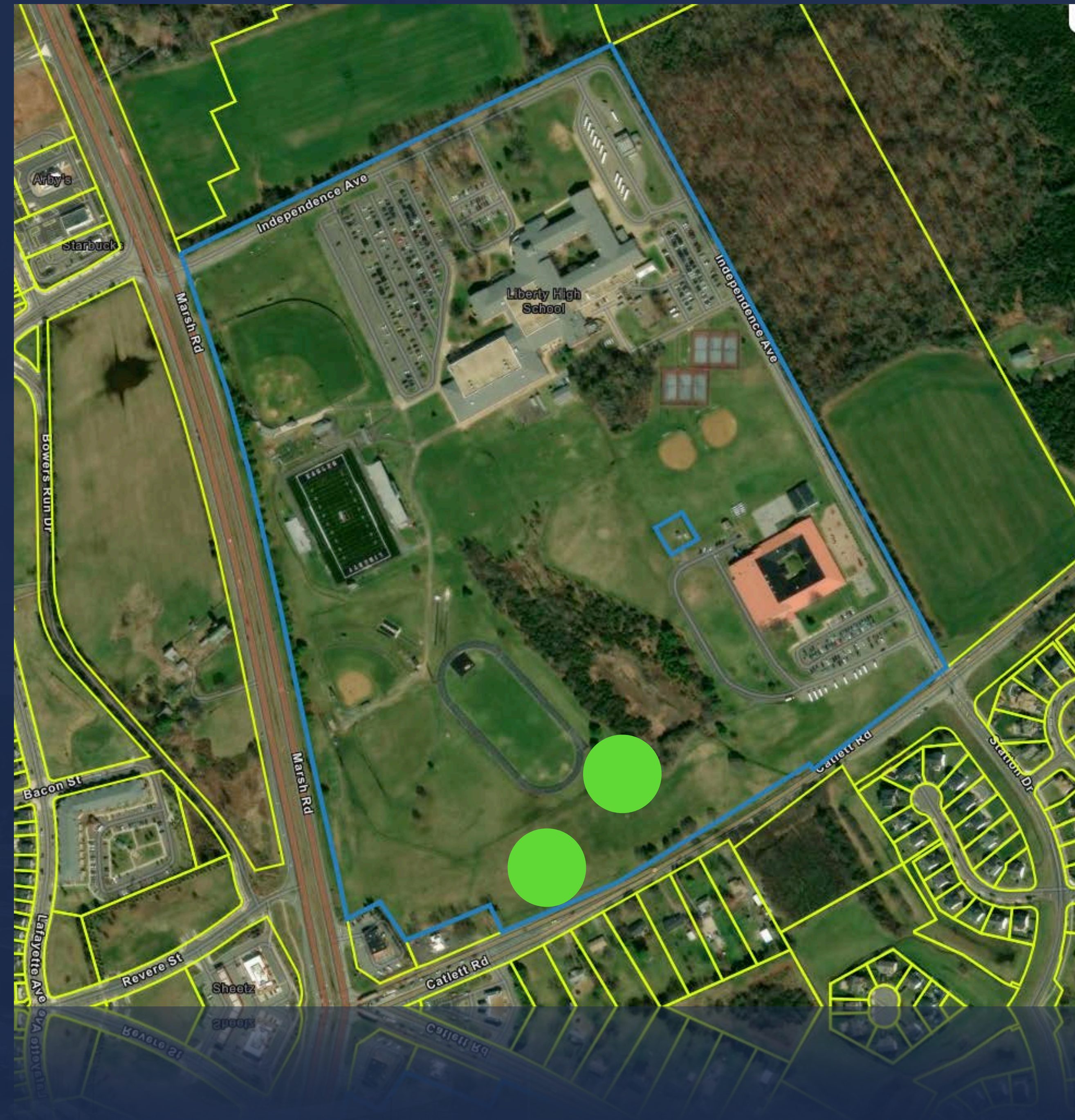
Liberty HS Preferred Siting



Liberty HS

Prioritize Siting closest to ROW as possible

Forgo tower pole swap option



Revenue Compared

40% Revenue Share structure is the same as every other school partnership in the state

Certain schools receive more revenue compared to FCPS due to:

- more towers on site
- more colocations/installations on the active towers

Project failures deter carriers from choosing school properties in the future

DESIGN

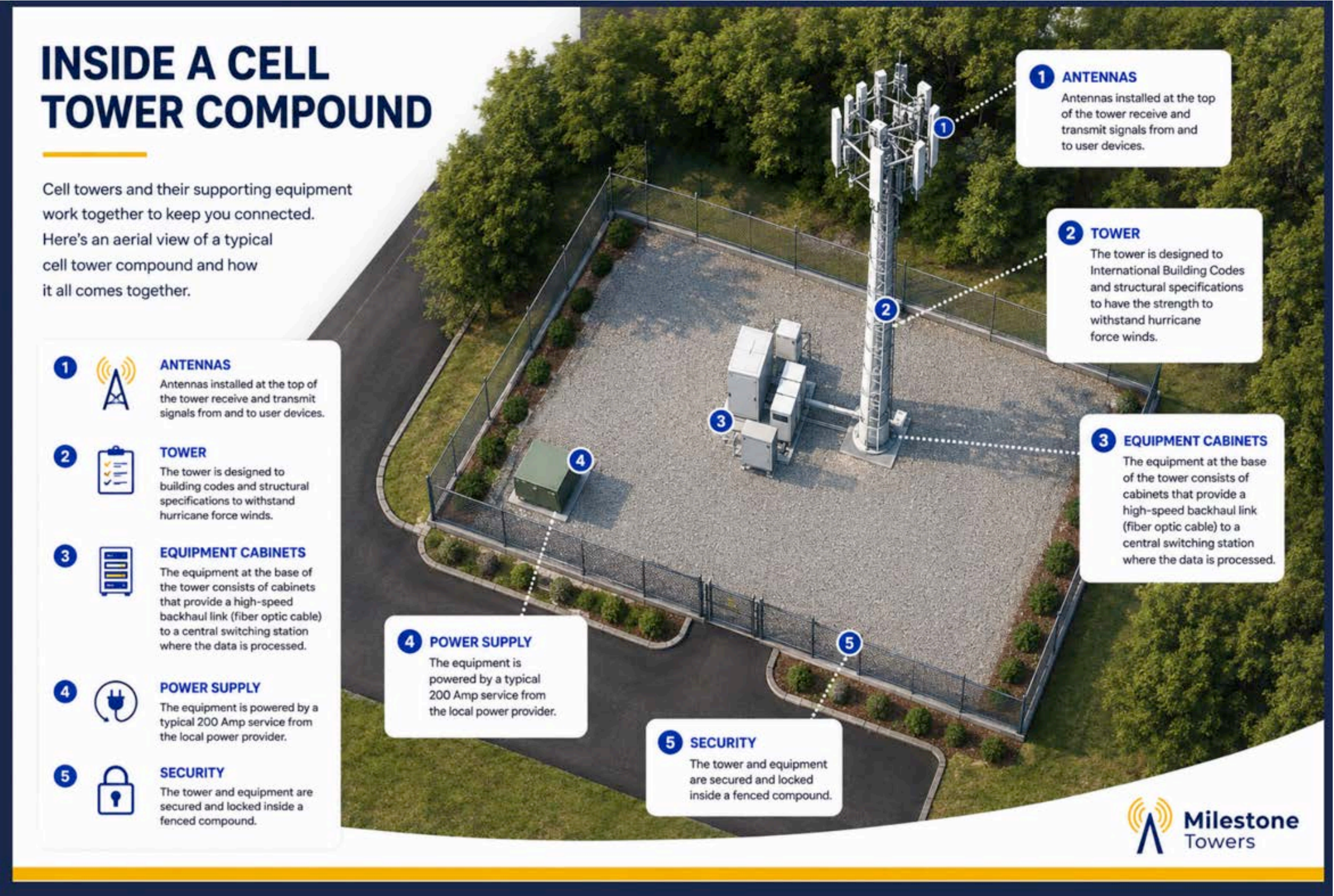
Compound Example

Example Layout

50 x 50 Compound (Lease Space)

Gravel Access Road

Access Easement



Gravel Access Road

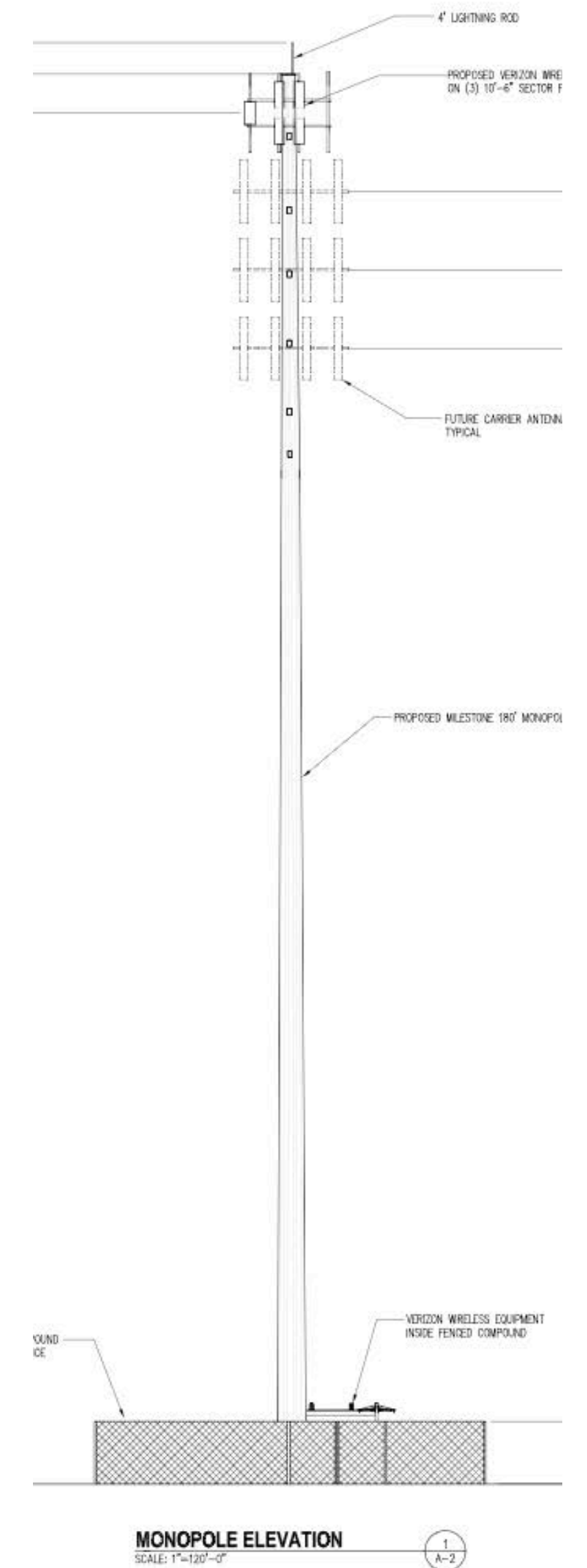
DESIGN

Standard Tower Design

150' Monopole

Camouflage options available

Tower heights between 110' and 199'



DESIGN

Alternative Designs

Painted Towers and Lattice available



Swap



Tree Pole

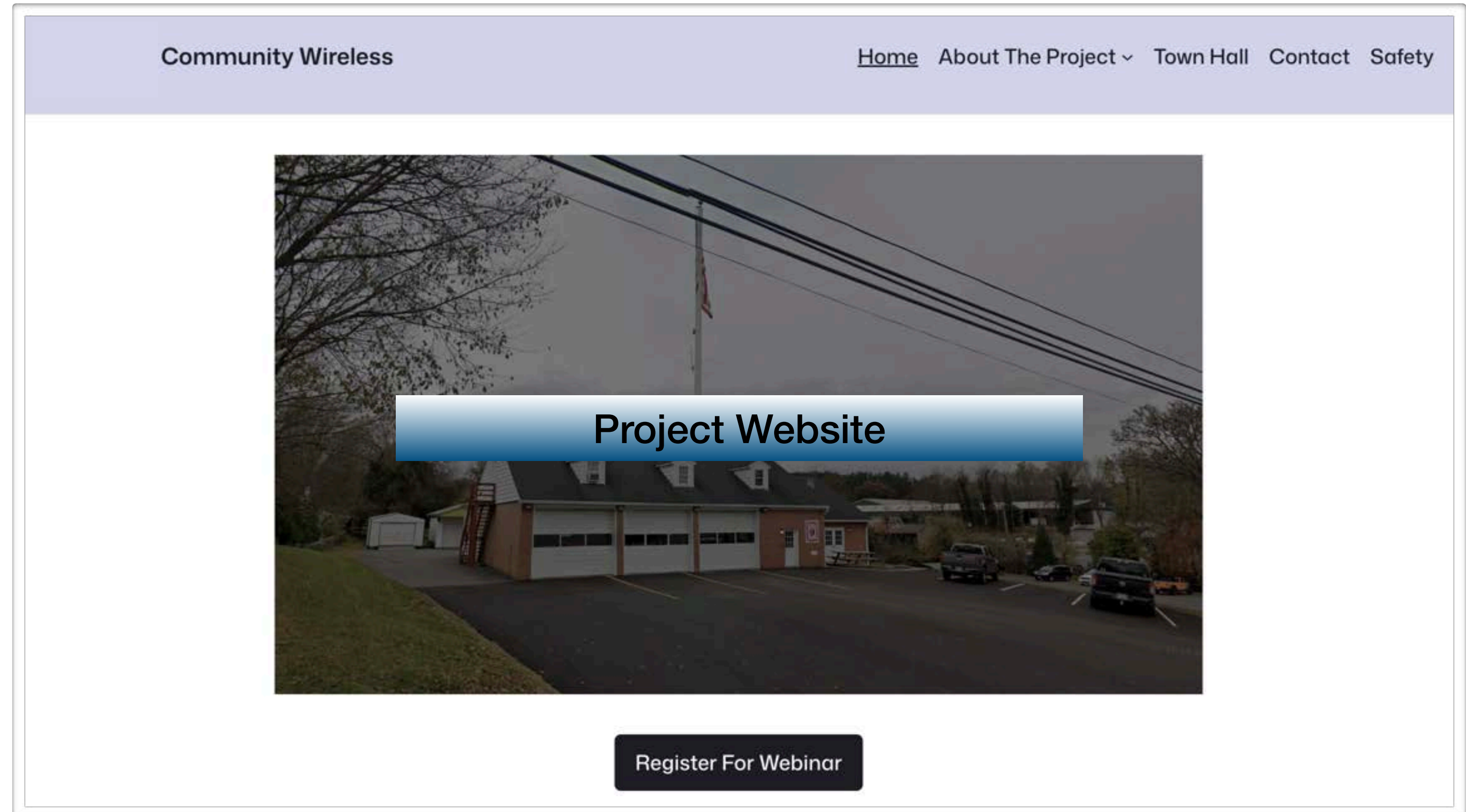


Flush

Community Development



- Proven Community Process – Transparent, politically aware outreach that minimizes risk and protects our landowner partners
- Custom built website for every project
- Webinar Set up
- Mailers sent to up to one mile away to all residents and businesses
- Collect as much feedback to present to the board and supervisors



Register For Webinar

CUSTOM BUILT WEBSITES

SAFETY

Radio Frequency

Our priority is to meet FCC standards for RF Safety. Milestone and the wireless carriers must comply with federal regulations.

We want our communities to know that our wireless sites are in compliance; therefore we conduct annual RF testing at all of our school sites



FCPS Studies Available

Radio Frequency Facts

Wireless Infrastructure is a critical public utility from the standpoint of 911 response, economic activity and general wellbeing.

Opposition is organized and experienced building polished material designed to raise doubt. Opposition is not only opposed to towers but RF in general.

That includes phones and wifi at schools. Milestone cannot pick apart all the claims these groups try to make. Our priority as with the carriers is to comply with federal regulation.

The benefit of wireless technology is extraordinary and should not be ignored. Consider RF existing environment.

If regulations change Milestone must comply with those changes. In most cases we fall 1000x below the FCC safety limits.

RF technology has been around for 130 years and is studied diligently across the world.

We support communities understanding this technology better.

Milestone builds the highest quality, safe and industry standard sites.

WHAT THE REST OF THE WORLD IS SAYING

Independent regulators, the same conclusion

Agencies worldwide — each reviewing the evidence separately — reach the same place: at the exposure levels produced by cell towers and wireless networks, no adverse health effects have been established.



Canada

Health Canada

"No health risks from exposure to the low levels of RF EMF from cell phones, towers, antennas and 5G devices."



Australia

ARPANSA

"No established evidence for health effects from radio waves used in mobile telecommunications... 5G is safe."



Germany

Bundesamt f. Strahlenschutz

"No evidence of a carcinogenic effect of high-frequency fields from mobile communications."



Norway

Inst. of Public Health

"No clear health effects identified from EMF exposure below the exposure limits."



Sweden

Radiation Safety Authority

"No new established causal relationships between EMF exposure and health risk."



European Union

SCENIHR

"No adverse effects on reproduction and development; recent data does not change this."



Ireland

EPA

"No health effects proven at levels below the ICNIRP guidelines for the public."



Spain

CCARS

"No link demonstrated between mobile phone use and the development of malignant tumors."

Community Benefits 2026

In 2026, improved wireless connectivity benefits all sectors of the local community including agriculture, law enforcement, health services, economy, education and emergency services.

01 Public Safety (Emergency Preparedness)

EMS Capabilities, Emergency Situations

02 Economic Activity

More users searching for things to do near them, shopping, restaurants, events support

03 Community Wellbeing

More choices for connectivity - lower income household support

04 Better Coverage

Staff, Families, Students, Neighbors, Businesses

US Coverage Overview



ECONOMY

\$475B

contributed annually to the U.S. GDP by the wireless industry, directly impacting agriculture, healthcare, logistics, retail, and manufacturing.

CTIA Wireless Industry Indices Report, 2023



VIDEO & SOCIAL CALLING

18B+

FaceTime audio and video minutes are used daily across Apple devices worldwide. In the U.S., FaceTime ranks as the top app for calls to family and friends.

Apple / Sensor Tower App Usage Report, 2023



MOBILE COMMERCE

\$491B

in U.S. retail purchases were made via smartphone in 2023 — nearly half of all e-commerce — showing how cell phones have become the primary shopping device.

eMarketer U.S. Mobile Commerce Forecast, 2023



LANDLINES

72%

of U.S. adults live in wireless-only households — no landline at all. That's up from just 15% in 2006.

CDC National Health Interview Survey (NHIS), 2023



HEALTHCARE

60%

of rural Americans say cell connectivity is essential for accessing telehealth services, making mobile coverage a direct healthcare infrastructure issue.

Pew Research Center, "Mobile Technology and Home Broadband," 2023



EMERGENCY SERVICES

80%+

of all 9-1-1 calls in the U.S. are now made from a cell phone, putting pressure on dispatch centers to pinpoint caller locations.

FCC & National Emergency Number Association (NENA), 2022



MILESTONE TOWERS

COMMUNITY BENEFITS

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BUILDING THE FUTURE OF WIRELESS INFRASTRUCTURE

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