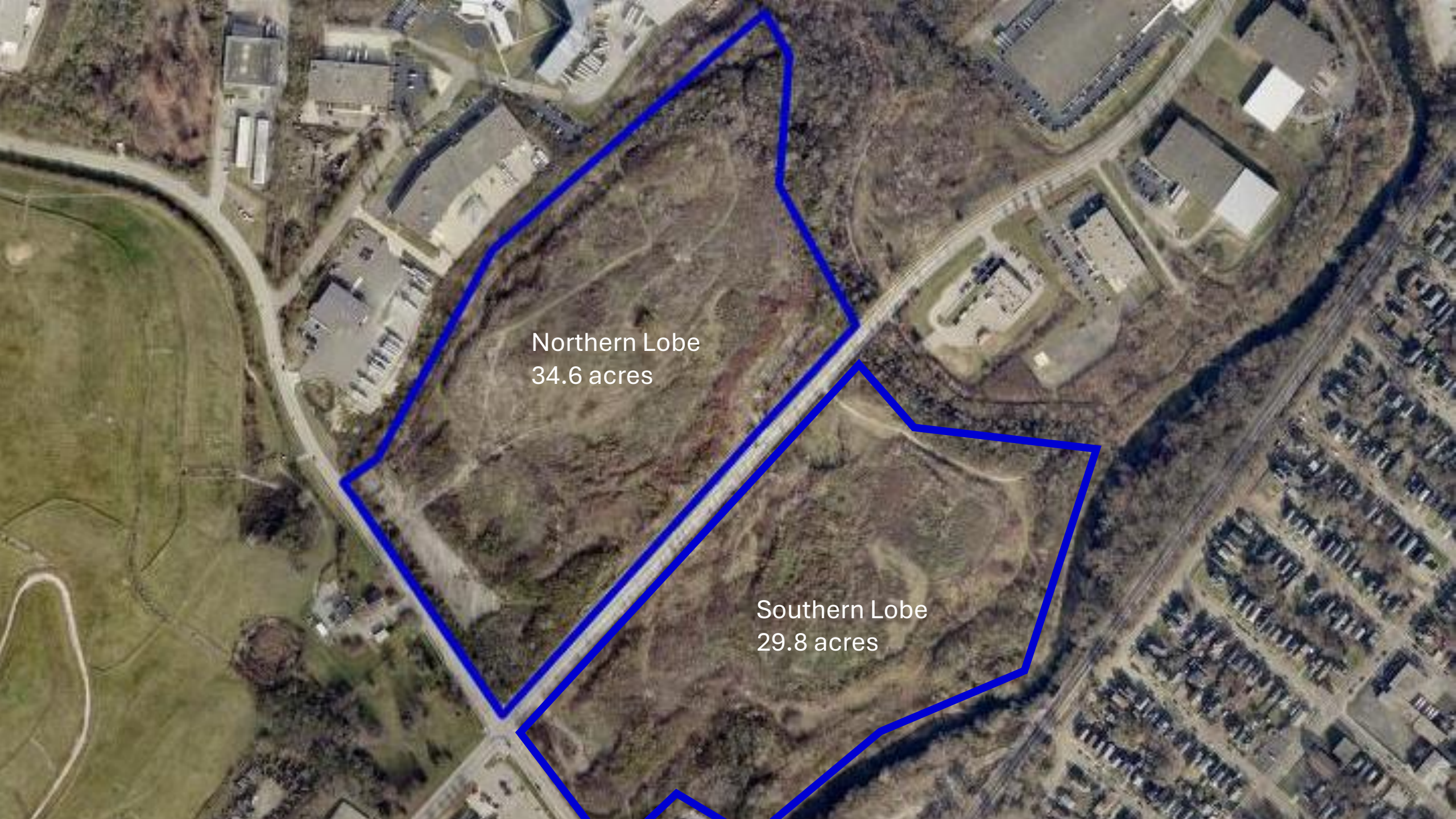


Center Hill Landfill Solar Project





Northern Lobe
34.6 acres

Southern Lobe
29.8 acres

Center Hill Landfill Summary

- 1 Operated as a solid waste landfill from 1946 to 1976
- 2 Issued a No Further Action Letter by Ohio EPA in 2008
- 3 Site currently has nine landfill gas monitoring probes and 15 methane extraction wells
- 4 Leachate collection system is present along the border with the Mill Creek



Center Hill Solar Project

Critical Factors

- 1 2023 Green Cincinnati Plan
- 2 Brownfields to Brightfields
- 3 Energy Futures Grant
- 4 Solar for All Funding
- 5 Clean Energy RFP



Energy Futures Grant

- City received a \$500,000 grant from DOE
- Research how solar can be incorporated into electric aggregation program
- Resident engagement to guide program development

Key Deliverable: Plan for how solar can be used to address energy burden



Solar for All – Heartland Coalition

- City projected to receive \$10 million
- Facilitate construction of low cost solar
- Must benefit Justice 40 communities
- Workforce development component

Key Deliverable: 20% electric savings to eligible households



Clean Energy RFP

- Requesting proposals to develop solar at Center Hill
- Seek to leverage the Solar for All grant funds
- Received seven responses to first round
- Second round RFP issued

Key Deliverable: Identify a partner to develop and operate solar on Center Hill



Center Hill Solar – What would it involve?

- Exploring feasibility of solar on both lobes as well as the southern lobe
- Estimated to be between 4.5 – 10 MW of solar
- Ballasted racking system to prevent the need for ground disturbance
- Minimal vegetation removal
- Utilize existing electric distribution system



Center Hill Solar – Potential Benefits

- Power from project would be used to reduce electric costs for eligible residents
- Program could support 500 – 2,000 homes
- Required by Solar for All to reduce electric cost by 20%
- Workforce development opportunities



Center Hill Landfill Sample Designs



APPROXIMATE
TRANSMISSION LINE
MINIMUM 75 FT SETBACK
TO ARRAY

PROPOSED 7 FT HIGH
PERIMETER SECURITY FENCE
MINIMUM 20 FT SETBACK TO
ARRAY

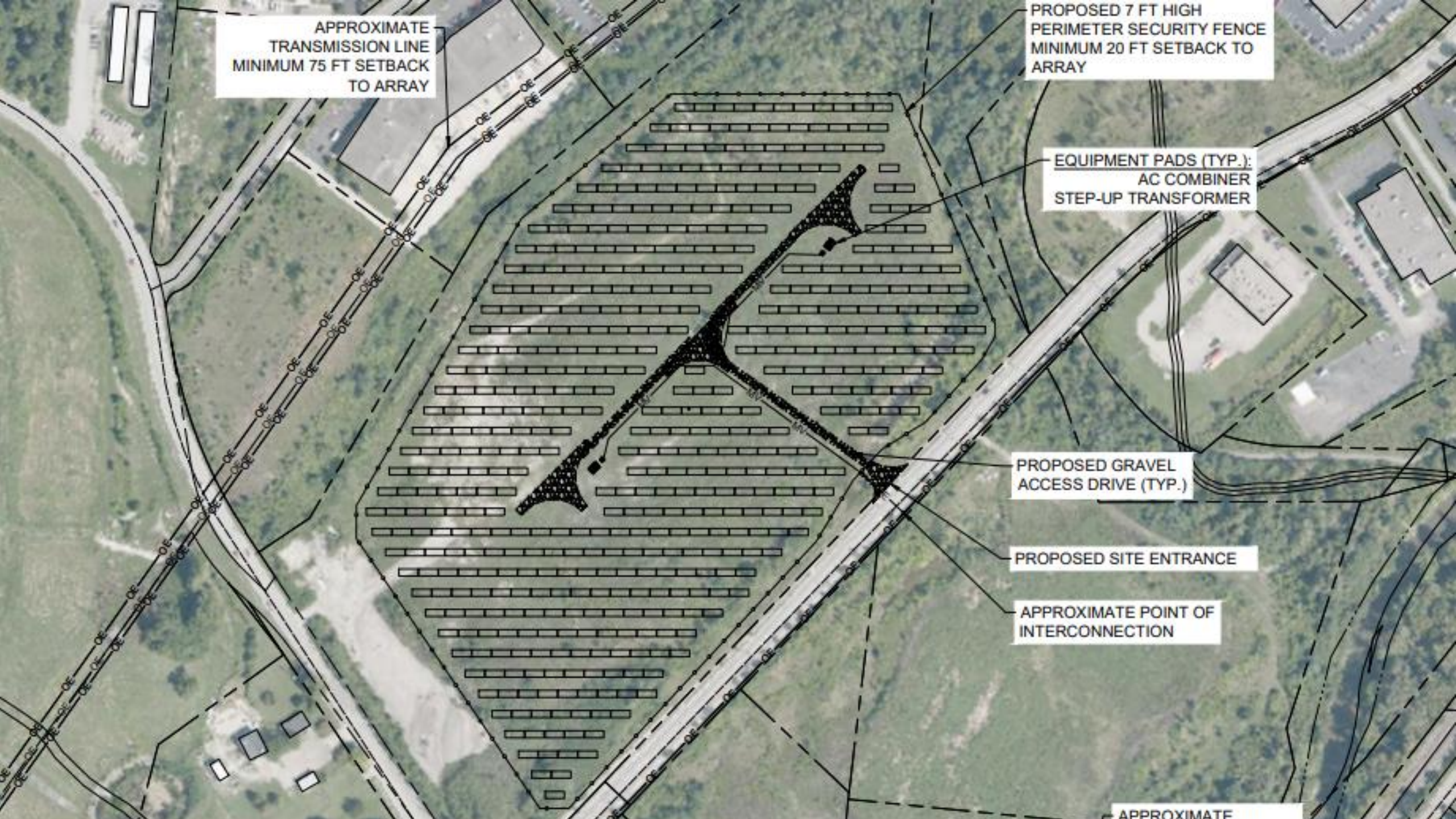
EQUIPMENT PADS (TYP.):
AC COMBINER
STEP-UP TRANSFORMER

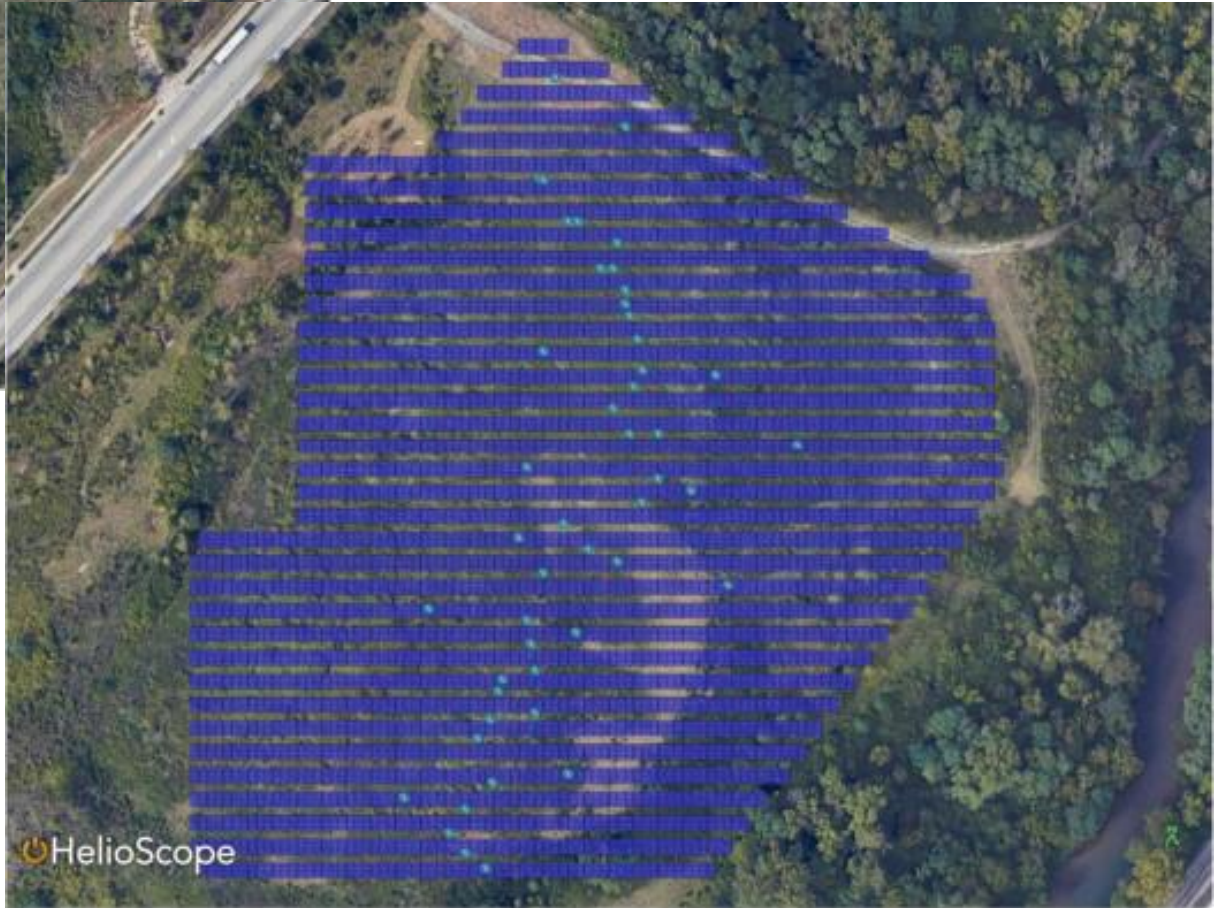
PROPOSED GRAVEL
ACCESS DRIVE (TYP.)

PROPOSED SITE ENTRANCE

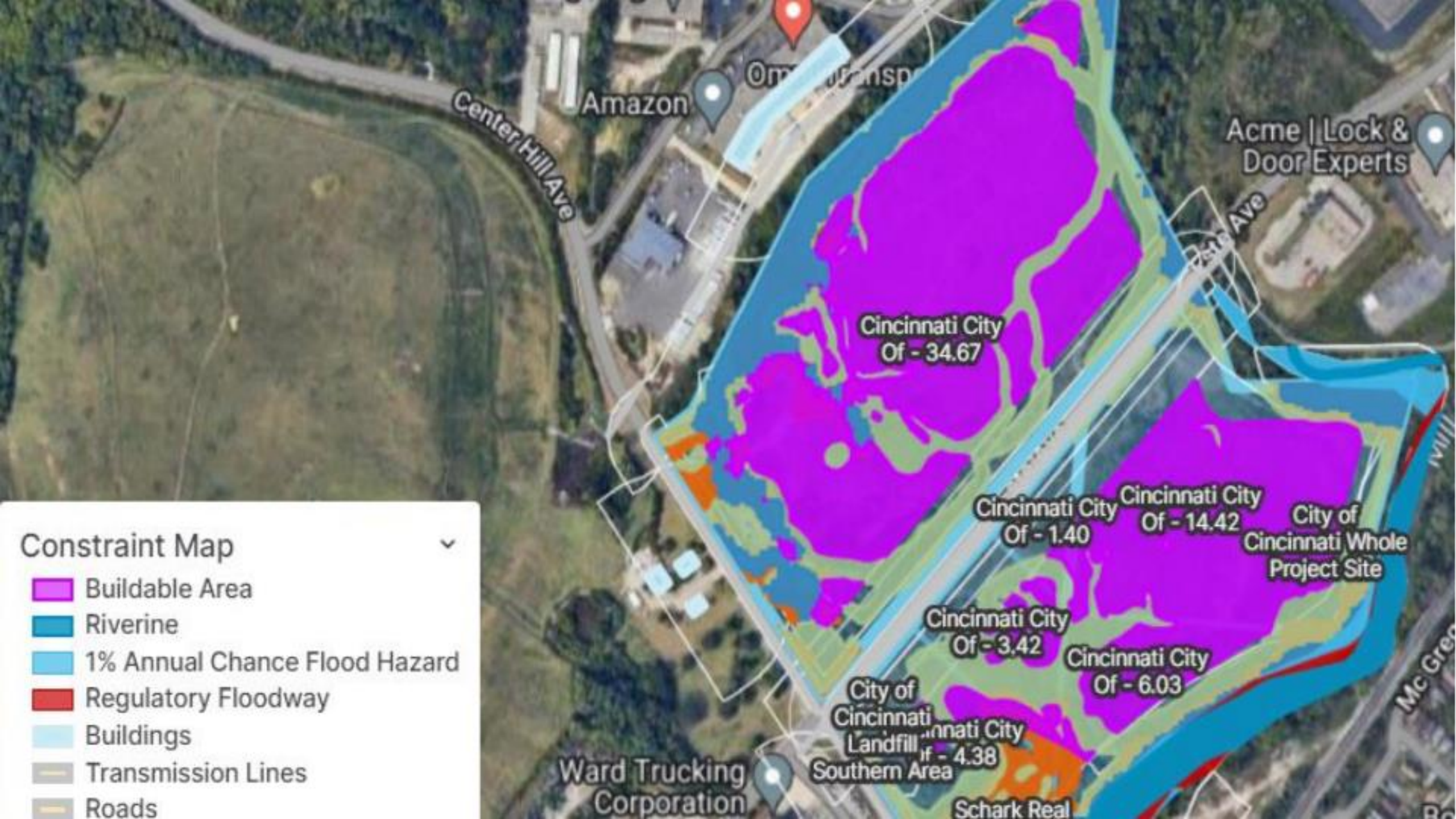
APPROXIMATE POINT OF
INTERCONNECTION

APPROXIMATE









Constraint Map

- Buildable Area
- Riverine
- 1% Annual Chance Flood Hazard
- Regulatory Floodway
- Buildings
- Transmission Lines
- Roads

Cincinnati City
Of - 34.67

Cincinnati City
Of - 1.40

Cincinnati City
Of - 14.42

City of
Cincinnati Whole
Project Site

Cincinnati City
Of - 3.42

Cincinnati City
Of - 6.03

City of
Cincinnati
Landfill
Of - 4.38

Ward Trucking
Corporation

Schark Real

Center Hill Ave

Amazon

Omni Transp

Acme | Lock &
Door Experts

1st Ave

Mc Gre...

Center Hill Landfill Solar Project

