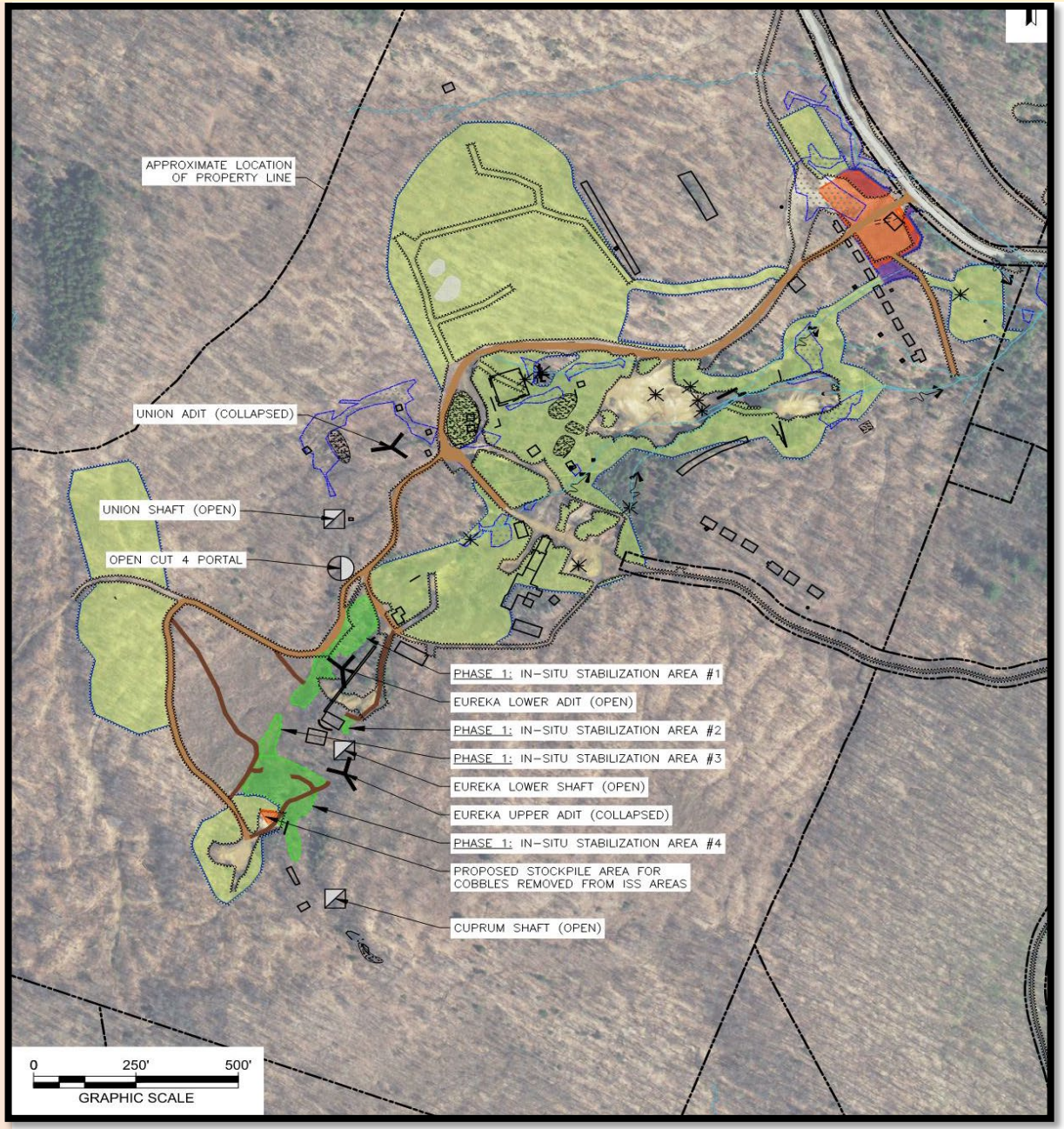
Pike Hill Copper Mine Superfund Site Information Update – August 2024

Pike Hill Copper Mine Superfund Site – Public Information Update August 2024

- Phase 1 NTCRA Cleanup
  - Phase 1 Cleanup Contract awarded to Conti Federal Programs.
    - Team includes
      - Northwoods Excavating –earthwork and hauling/roads
      - Sovereign Consulting – sampling and sampling plans
      - WSP – engineering support
      - TCE- surveying
      - MultiVista – photographic documentation



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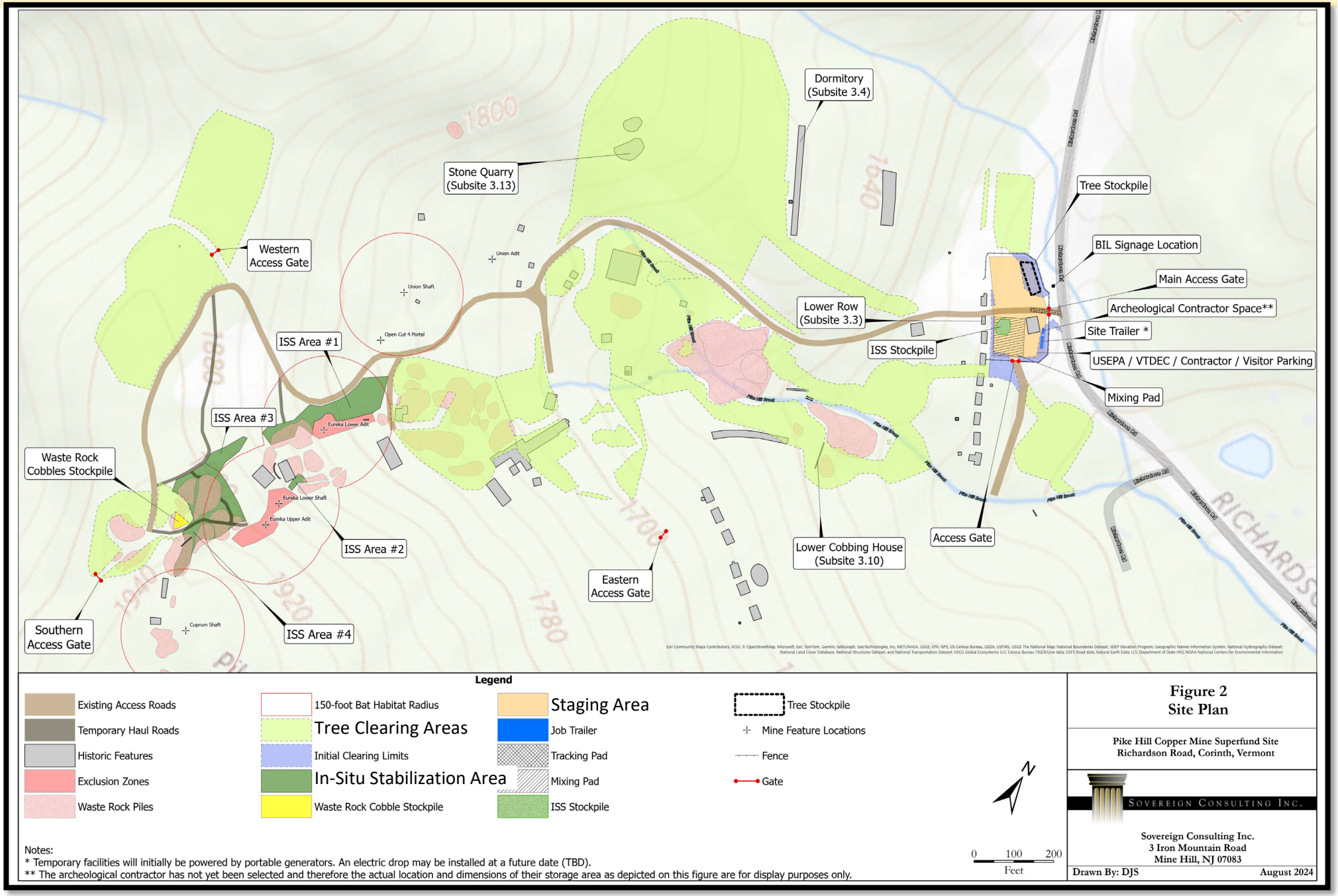

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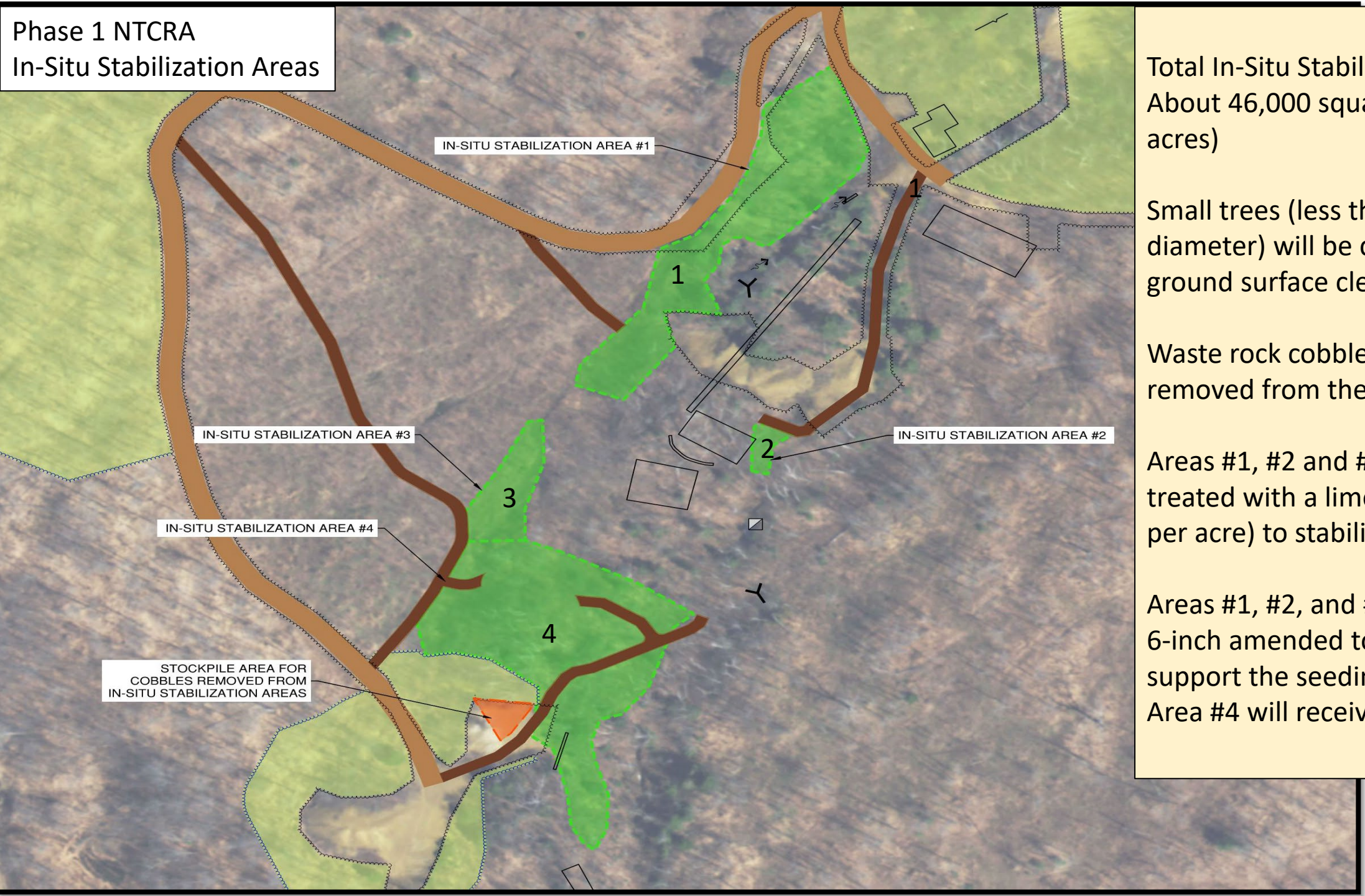
- Phase 1 NTCRA Cleanup
  - In-situ stabilization (late summer-fall 2024)
    - Richardson Road adjustments.
    - Bring material to the Site.
    - Establish staging areas for equipment and material.
    - Bring power to the Site.
    - Clear small brush and surface material.
    - Add a soil mixture with lime to address mine waste acidity.
    - Add topsoil
    - Estimated duration 6-8 weeks

Phase 1 NTCRA
In-Situ Stabilization Areas



Total In-Situ Stabilization Areas: About 46,000 square feet (1.1 acres)

Small trees (less than 4 inches diameter) will be cut and the ground surface cleared.

Waste rock cobbles will be removed from the ground surface.

Areas #1, #2 and #3 will be pre-treated with a lime mixture (3 tons per acre) to stabilize the pH.

Areas #1, #2, and #3 will receive a 6-inch amended topsoil layer to support the seeding and plantings. Area #4 will receive a 3-inch layer.

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In-Situ Stabilization Area

In-Situ Stabilization Area

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- Phase 1 NTCRA Cleanup

  - Tree clearing late fall 2024 – winter 2025
    - About 19 acres of tree clearing to be performed as part of Phase 1 NTCRA in preparation for Phase 2 NTCRA.
    - Work will begin after November 8th to protect the endangered bats.
    - Trees will be chipped- (change of plan - no on-site biochar production).
    - Biochar will be brought to the Site. About 2-3 truckloads for Phase 1.
    - Estimated duration 4-6 weeks.

  - Seeding and Planting (Spring 2025)
    - Planting about 500 seedlings over the 1-acre in-situ area.

  - On-site staff
    - Up to 10-15 individuals working at the Site depending on the specific activity taking place.
    - Fewer during tree clearing.
    - Does not include Historic Resource Data Recovery staff and site investigation staff.

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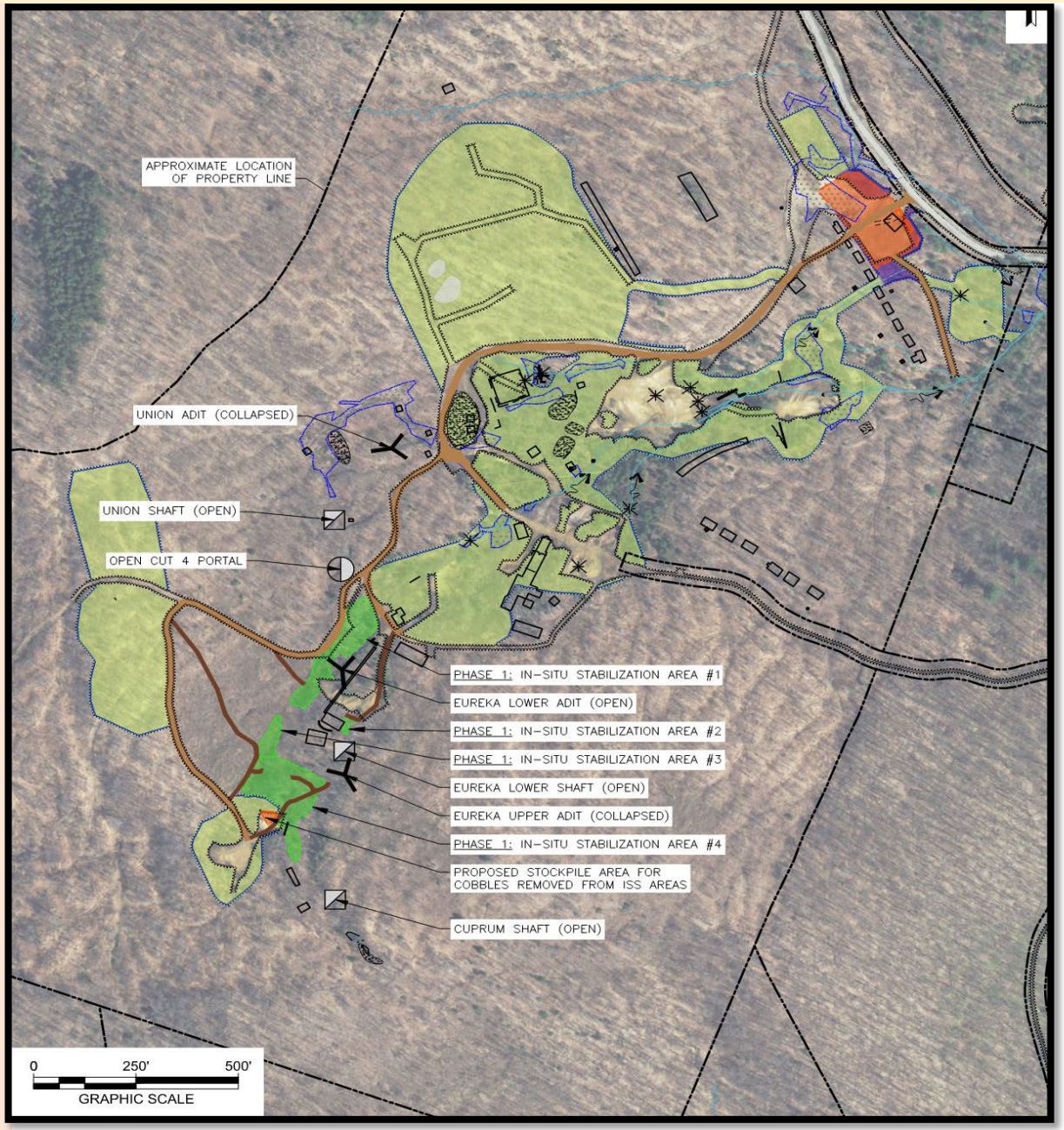
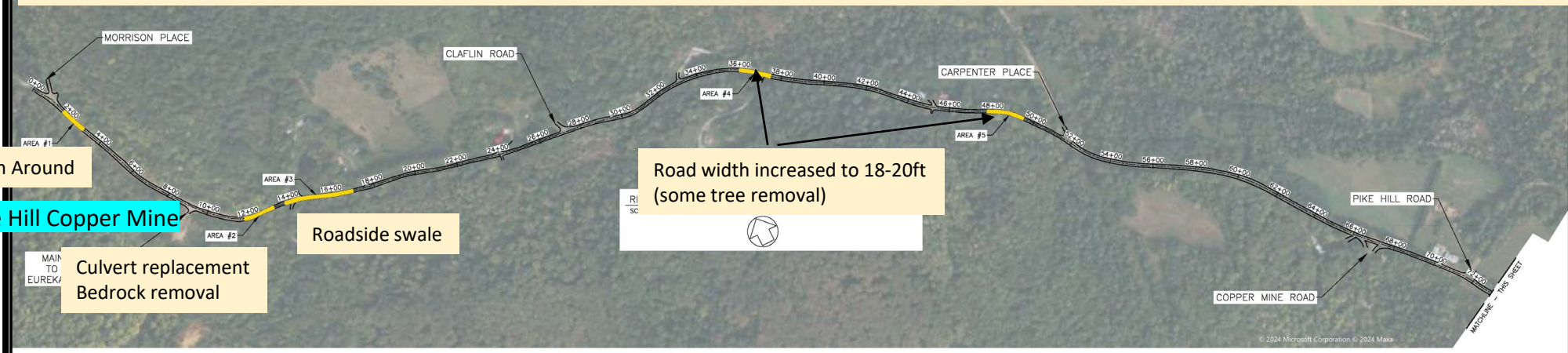
- Phase 1 NTCRA Cleanup
  - Traffic Plan
    - Limited to 15 truck loads per day.
    - Avoid school bus pickup/dropoff times.
    - Signage and flaggers on Richardson Road.
    - Estimated that 240 truck loads will be needed for Phase 1 NTCRA.
      - About 220 truck loads of material for the on-site work and another 20 truck loads for the Richardson Road work.
    - Road work to improve line of sight in a few key locations on Richardson Road.



Richardson Road - Yellow shading shows areas where potential road adjustments could be made to improve traffic safety.
Suggestions include branch trimming along entire length to achieve 15 ft height clearance and clearing a 5 ft area along road edge with ROW



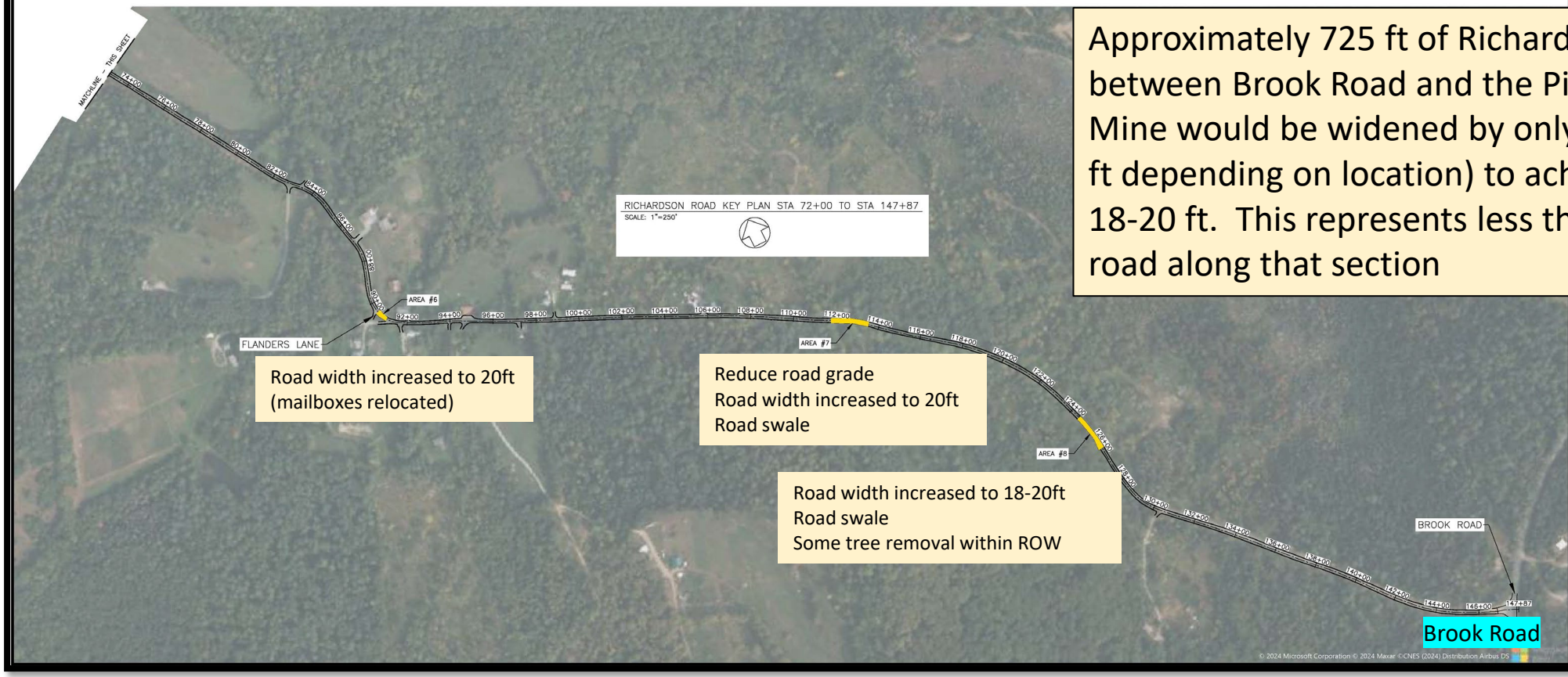
Truck Turn Around

Pike Hill Copper Mine

Culvert replacement
Bedrock removal

Roadside swale

Road width increased to 18-20ft
(some tree removal)



Road width increased to 20ft
(mailboxes relocated)

Reduce road grade
Road width increased to 20ft
Road swale

Road width increased to 18-20ft
Road swale
Some tree removal within ROW

Brook Road

Approximately 725 ft of Richardson Road between Brook Road and the Pike Hill Copper Mine would be widened by only a few feet (3-5 ft depending on location) to achieve a width of 18-20 ft. This represents less than 5% of the road along that section

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NOT ISSUED FOR CONSTRUCTION

NO.	DATE	DESCRIPTION

REVISIONS

0 250' 500'
GRAPHIC SCALE

DATE:	SEPTEMBER 2023
NOBIS PROJECT NO.	D00009.000
DRAWN BY:	ATB
CHECKED BY:	BJK
CAD DRAWING FILE:	D00009.000_C-201_RICH RD_FG.dwg

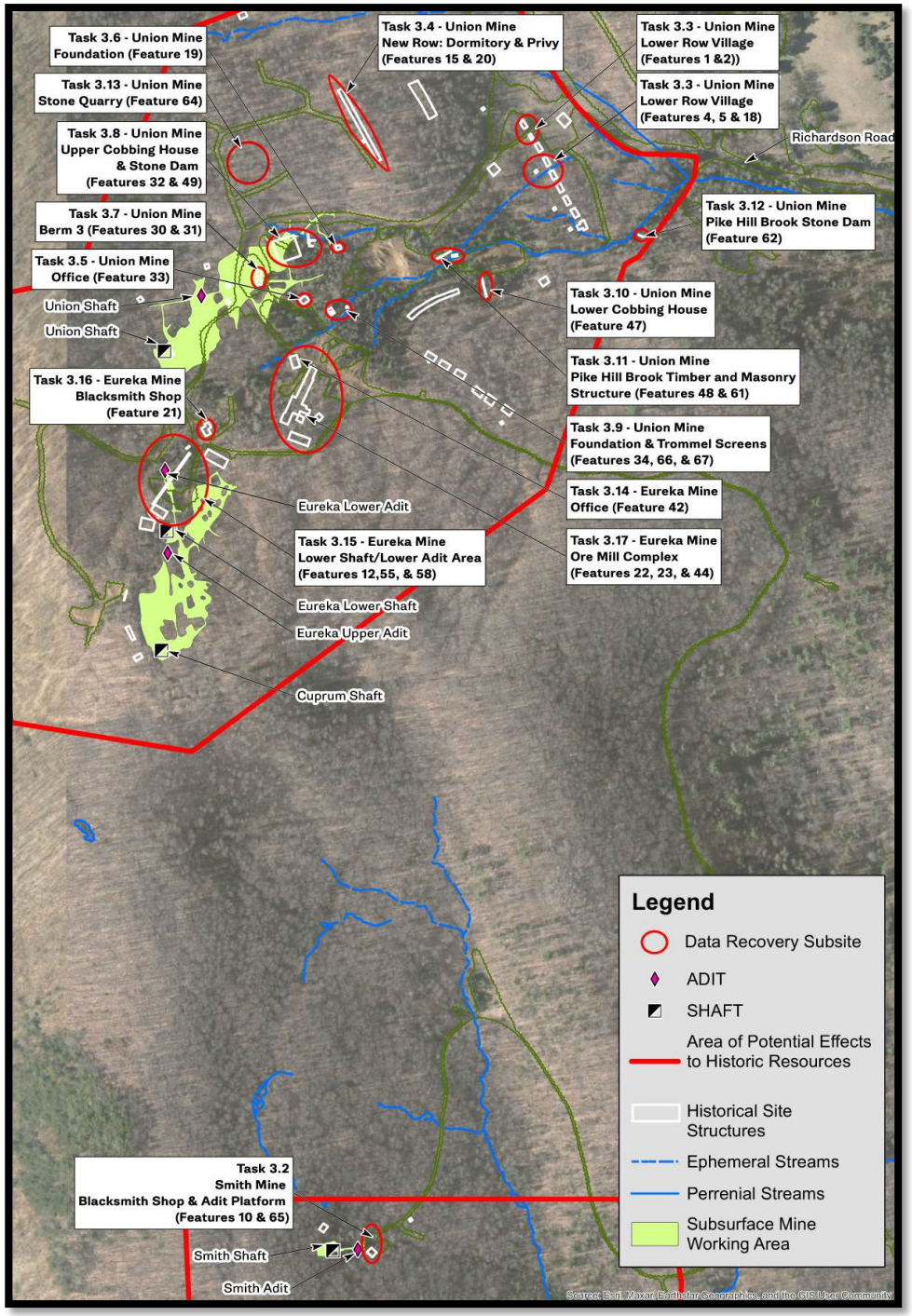
SHEET TITLE

RICHARDSON ROAD OVERVIEW PLAN

FIGURE
1

Pike Hill Copper Mine Superfund Site – Public Information Update August 2024

- Historic Resource Documentation
  - VTDEC will retain a contractor to perform the data recovery work.
    - Carefully controlled hand excavation is performed in most locations to identify features and recover information.
    - About 300 test pits about 50cm wide and 64 test units about 1m wide are planned. In some areas these will be combined into trenches.
    - For a several locations, a small excavator will assist to remove the overlying material in a careful controlled manner.
    - All locations are surveyed to document the location and dimensions of any features or artifacts.
    - High quality photo documentation will also be performed as part of the Data Recovery effort.
  - Some work may be performed this fall (2024) but most of the work will be performed next summer (2025).



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- Overall schedule
  - Phase 1 Cleanup (In-situ Stabilization and Tree Clearing)
    - Aug – Dec 2024
    - May – July 2025
  - Archaeological Data Recovery
    - October-November 2024
    - May – October 2025
  - Phase 2 Cleanup (Waste Excavation, Consolidation and Capping)
    - Possibly 2026-2029
  - Other Site Activities
    - Continued investigation of groundwater, surface water, soil and sediment for areas not subject to cleanup.
    - Continued bat monitoring.

Pike Hill Mine Superfund Site- Site Contact Information

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Fax: 617-918-0617
Email: swatts.darriel@epa.gov

- More information about the Site and cleanup activities is available at: www.epa.gov/superfund/pikehill

Vermont ANR Contacts:

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