

Version: 1/8/2025

Legend

- Detail Map Sheet
- Substation

Overhead Routes

- Existing
- Proposed

Underground Routes

- Proposed

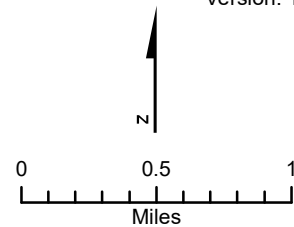
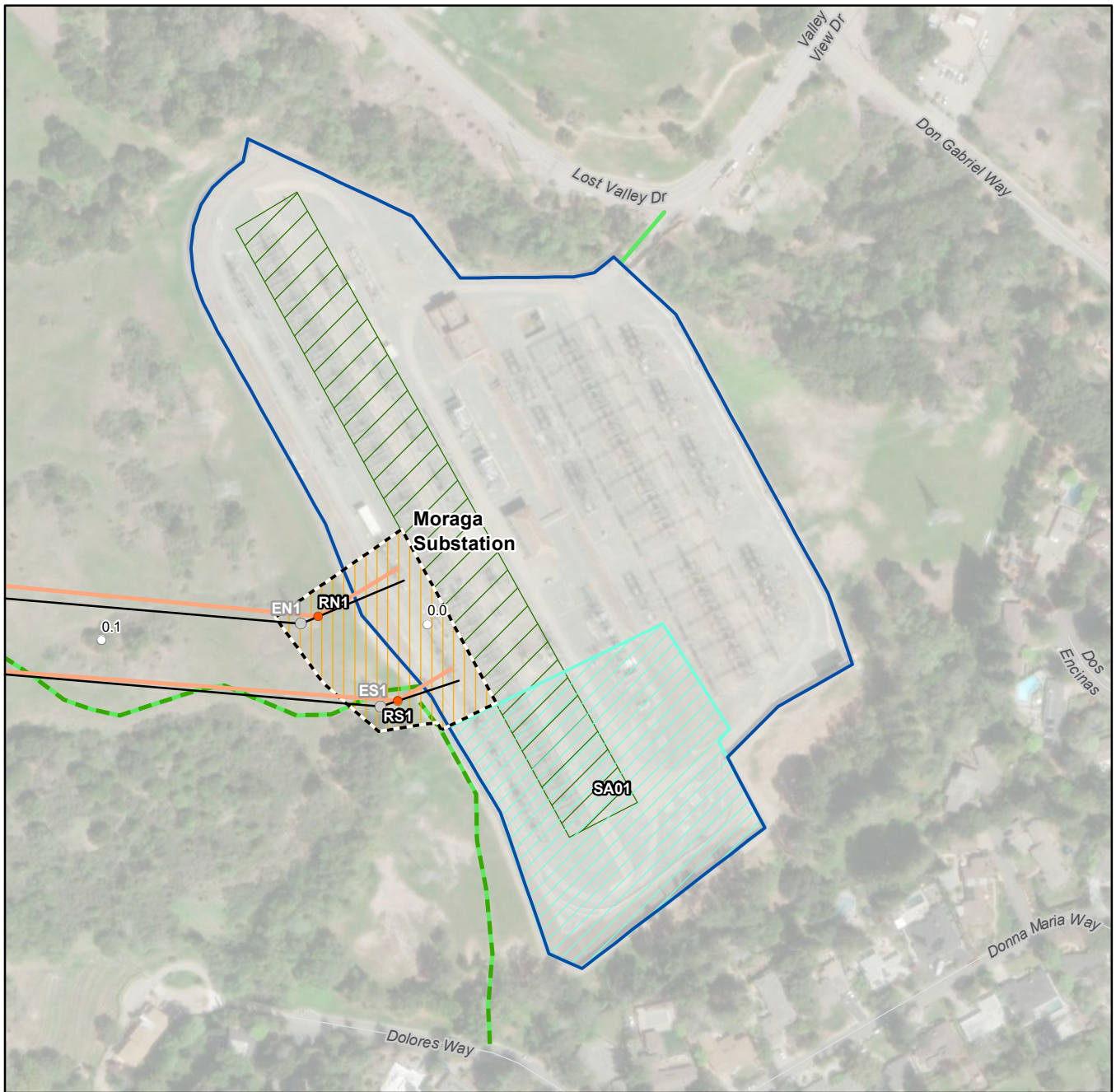


Figure 3.5-1
Proposed Project - Overview
 Moraga-Oakland X 115 kV Rebuild Project
 Pacific Gas & Electric Company



Legend

- Milepost
- Overhead Structures**
- Existing
- Proposed
- Overhead Routes**
- Existing
- Proposed
- Temporary Reconductoring Pole
- Guard Pole
- Underground Routes**
- Proposed

Access

- Existing
- Improvement

Temporary Work Areas

- ▨ Moraga Substation 115 kV Breaker Work Area
- ▨ Staging Area
- ▭ Substation Work Area
- ▨ Tension Pull Site
- ⋯ Work Area

Exact structure location, type, configuration, and dimensions will be determined by CPUC requirements, final engineering, and other factors and are preliminary and subject to change.

Version: 1/8/2025

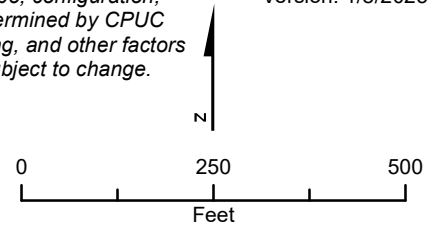
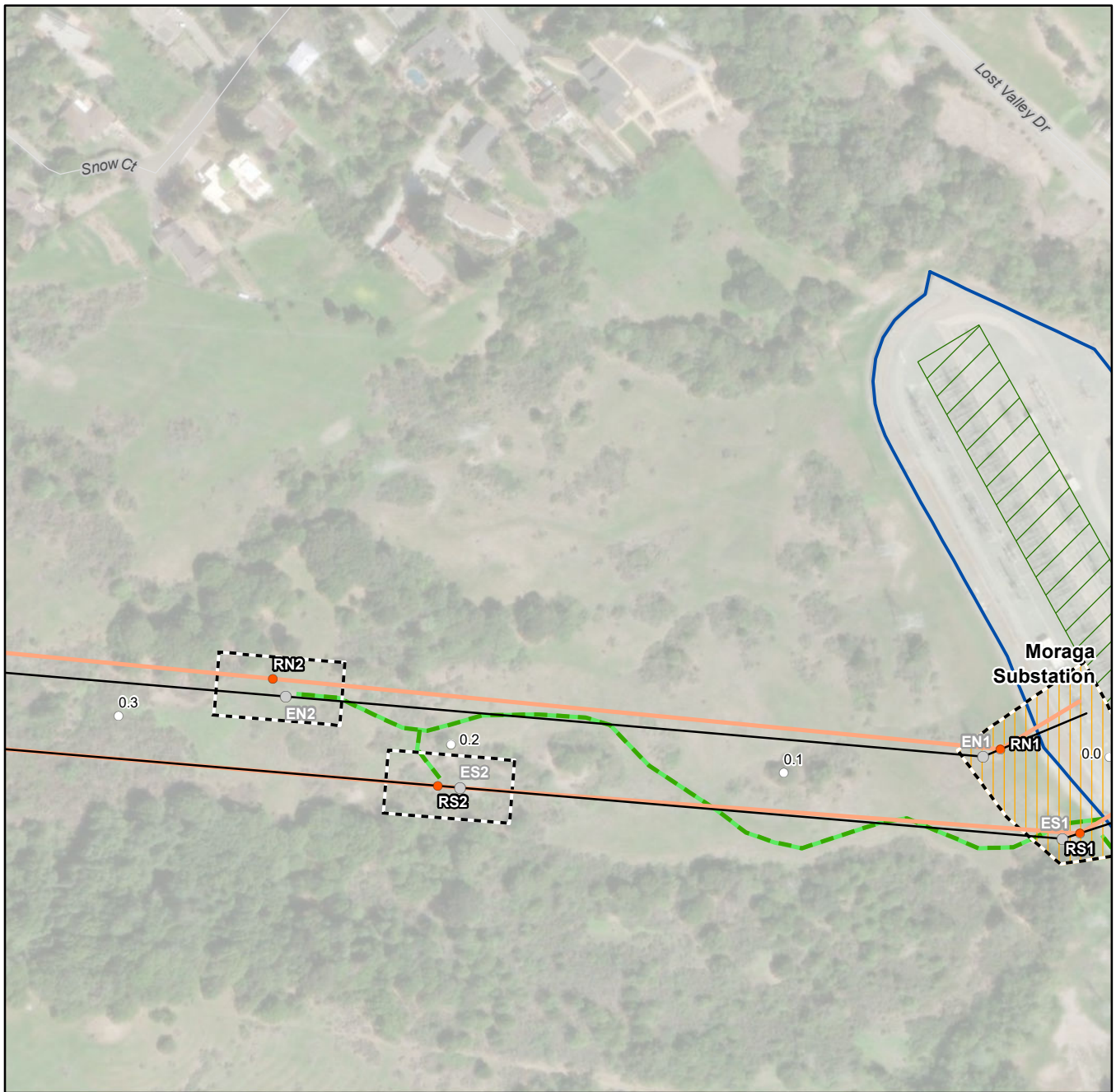


Figure 3.5-1 Page 1 of 25
Proposed Project - Detail
 Moraga-Oakland X 115 kV Rebuild Project
 Pacific Gas & Electric Company



Legend

- Milepost
- Overhead Structures**
 - Existing
 - Proposed
- Overhead Routes**
 - Existing
 - Proposed
 - Temporary Reconductoring Pole
 - Guard Pole
- Underground Routes**
 - Proposed

- Access**
 - Improvement
- Temporary Work Areas**
 - ▨ Moraga Substation 115 kV Breaker Work Area
 - ▭ Substation Work Area
 - ▨ Tension Pull Site
 - ▭ Work Area

Exact structure location, type, configuration, and dimensions will be determined by CPUC requirements, final engineering, and other factors and are preliminary and subject to change.

Version: 1/8/2025

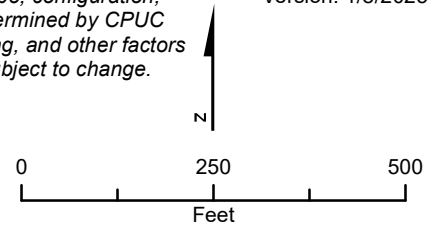
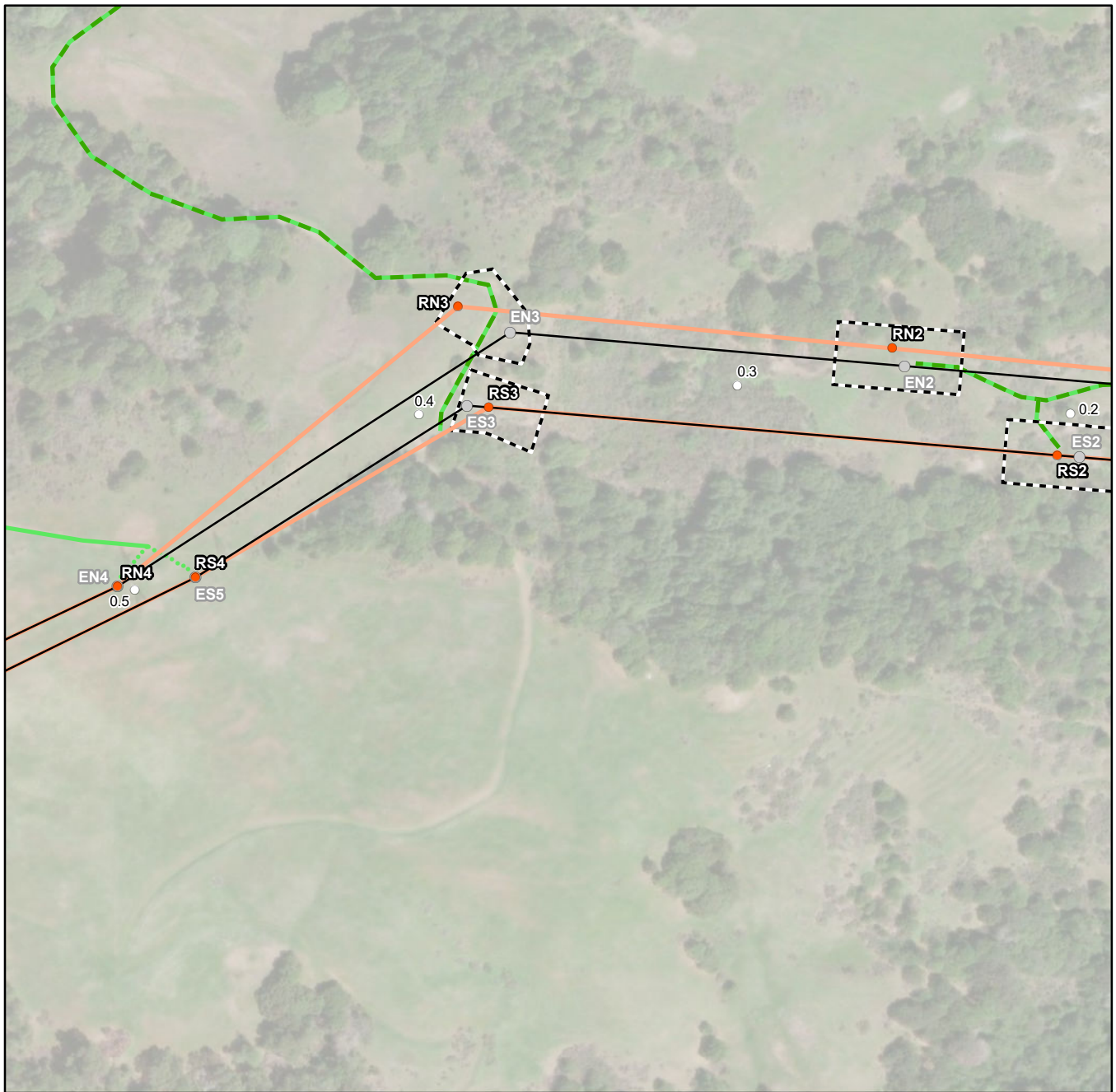


Figure 3.5-1 Page 2 of 25
Proposed Project - Detail
 Moraga-Oakland X 115 kV Rebuild Project
 Pacific Gas & Electric Company



Legend

- Milepost
- Overhead Structures**
 - Existing
 - Proposed
- Overhead Routes**
 - Existing
 - Proposed
 - Temporary Reconductoring Pole
 - Guard Pole
- Underground Routes**
 - Proposed

- Access**
 - Existing
 - Improvement
 - Walk-In
- Temporary Work Areas**
 - Work Area

Exact structure location, type, configuration, and dimensions will be determined by CPUC requirements, final engineering, and other factors and are preliminary and subject to change.

Version: 1/8/2025

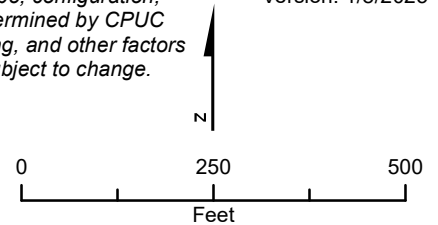


Figure 3.5-1 Page 3 of 25
Proposed Project - Detail
 Moraga-Oakland X 115 kV Rebuild Project
 Pacific Gas & Electric Company



Legend

- Milepost
- Overhead Structures**
 - Existing
 - Proposed
- Overhead Routes**
 - Existing
 - Proposed
 - Temporary Reconductoring Pole
 - Guard Pole
- Underground Routes**
 - Proposed

Access

- Existing
- Improvement
- ⋯ Walk-In

Temporary Work Areas

- ▭ Landing Zone/ Staging Area

Exact structure location, type, configuration, and dimensions will be determined by CPUC requirements, final engineering, and other factors and are preliminary and subject to change.

Version: 1/8/2025

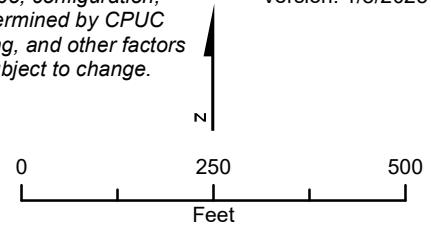


Figure 3.5-1 Page 4 of 25
Proposed Project - Detail
 Moraga-Oakland X 115 kV Rebuild Project
 Pacific Gas & Electric Company



Legend

- Milepost
- Overhead Structures**
- Existing
- Proposed
- Overhead Routes**
- Existing
- Proposed
- Temporary Reconductoring Pole
- Guard Pole
- Underground Routes**
- Proposed

Access

- Existing
- Improvement

Exact structure location, type, configuration, and dimensions will be determined by CPUC requirements, final engineering, and other factors and are preliminary and subject to change.

Version: 1/8/2025

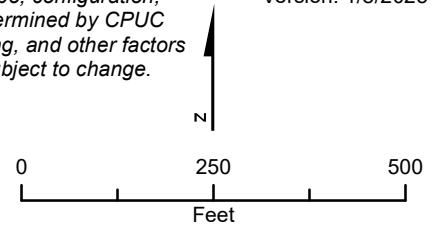


Figure 3.5-1 Page 5 of 25
Proposed Project - Detail
 Moraga-Oakland X 115 kV Rebuild Project
 Pacific Gas & Electric Company



Legend

- Milepost
- Overhead Structures**
- Existing
- Proposed
- Overhead Routes**
- Existing
- Proposed
- Temporary Reconductoring Pole
- Guard Pole
- Underground Routes**
- Proposed

- Access**
- Existing
- Temporary Work Areas**
- ▭ Landing Zone/ Staging Area

Exact structure location, type, configuration, and dimensions will be determined by CPUC requirements, final engineering, and other factors and are preliminary and subject to change.

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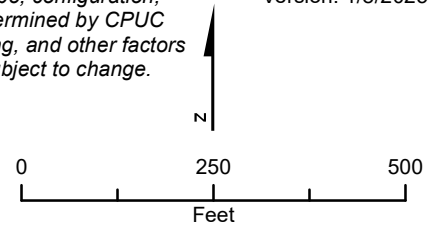
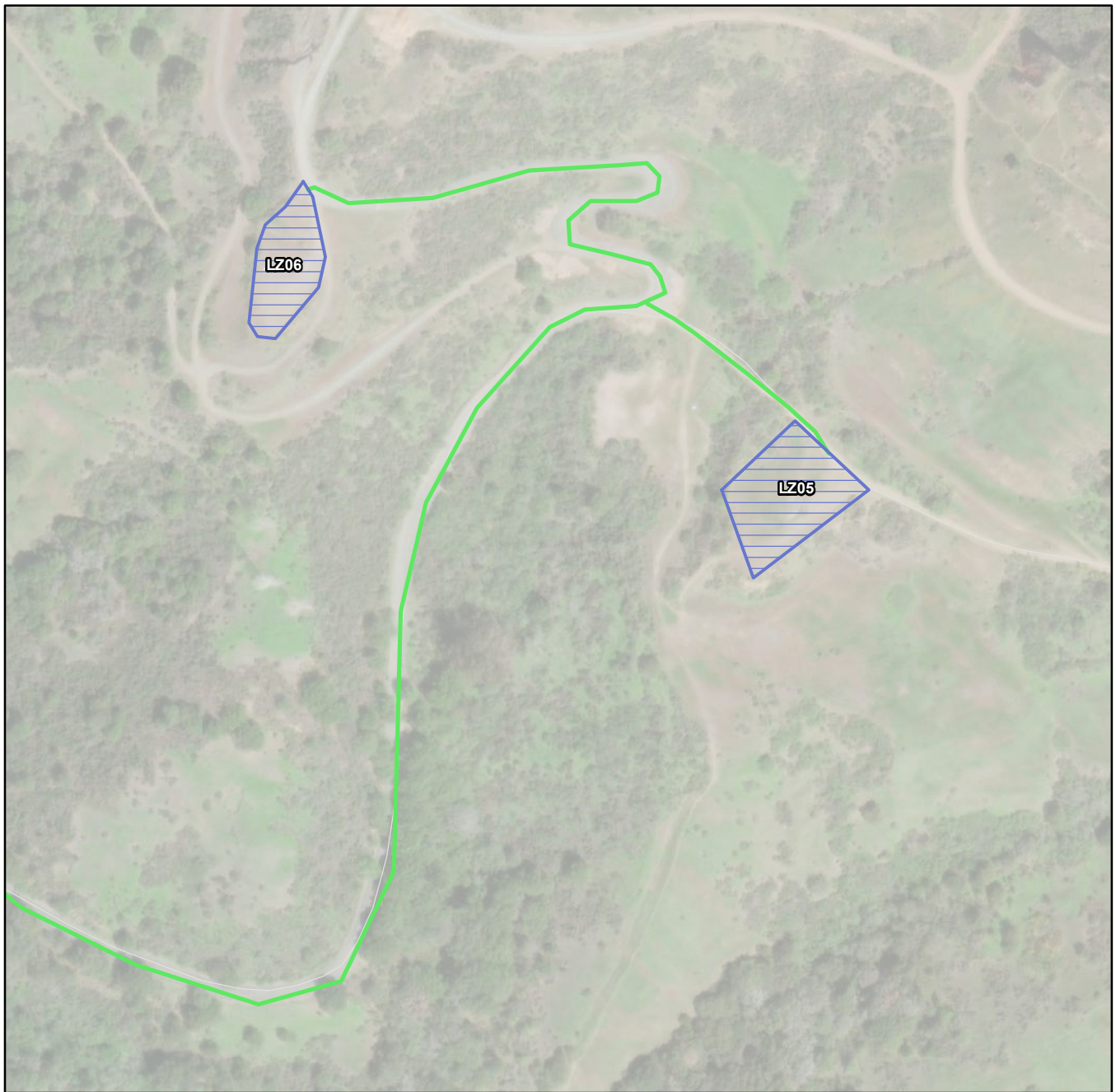


Figure 3.5-1 Page 6 of 25
Proposed Project - Detail
 Moraga-Oakland X 115 kV Rebuild Project
 Pacific Gas & Electric Company





Legend

- Milepost
- Overhead Structures**
 - Existing
 - Proposed
- Overhead Routes**
 - Existing
 - Proposed
 - Temporary Reconductoring Pole
 - Guard Pole
- Underground Routes**
 - Proposed

Access

— Existing

Temporary Work Areas

▨ Landing Zone/ Staging Area

Exact structure location, type, configuration, and dimensions will be determined by CPUC requirements, final engineering, and other factors and are preliminary and subject to change.

Version: 1/8/2025

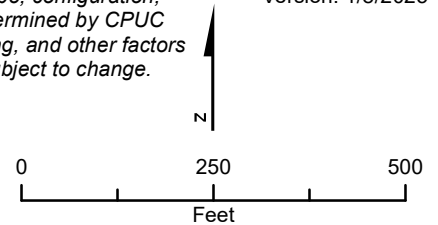


Figure 3.5-1 Page 7 of 25
Proposed Project - Detail
 Moraga-Oakland X 115 kV Rebuild Project
 Pacific Gas & Electric Company



Legend

- Milepost
- Overhead Structures**
- Existing
- Proposed
- Overhead Routes**
- Existing
- Proposed
- Temporary Reconductoring Pole
- Guard Pole
- Underground Routes**
- Proposed

Access
— Existing

Exact structure location, type, configuration, and dimensions will be determined by CPUC requirements, final engineering, and other factors and are preliminary and subject to change.

Version: 1/8/2025

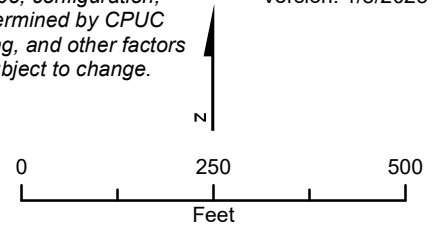


Figure 3.5-1 Page 8 of 25
Proposed Project - Detail
 Moraga-Oakland X 115 kV Rebuild Project
 Pacific Gas & Electric Company



Legend

- Milepost
- Overhead Structures**
 - Existing
 - Proposed
- Overhead Routes**
 - Existing
 - Proposed
 - Temporary Reconductoring Pole
 - Guard Pole
- Underground Routes**
 - Proposed

Access
— Existing

Exact structure location, type, configuration, and dimensions will be determined by CPUC requirements, final engineering, and other factors and are preliminary and subject to change.

Version: 1/8/2025

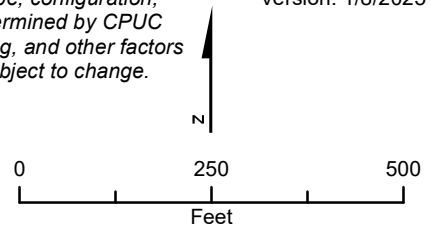
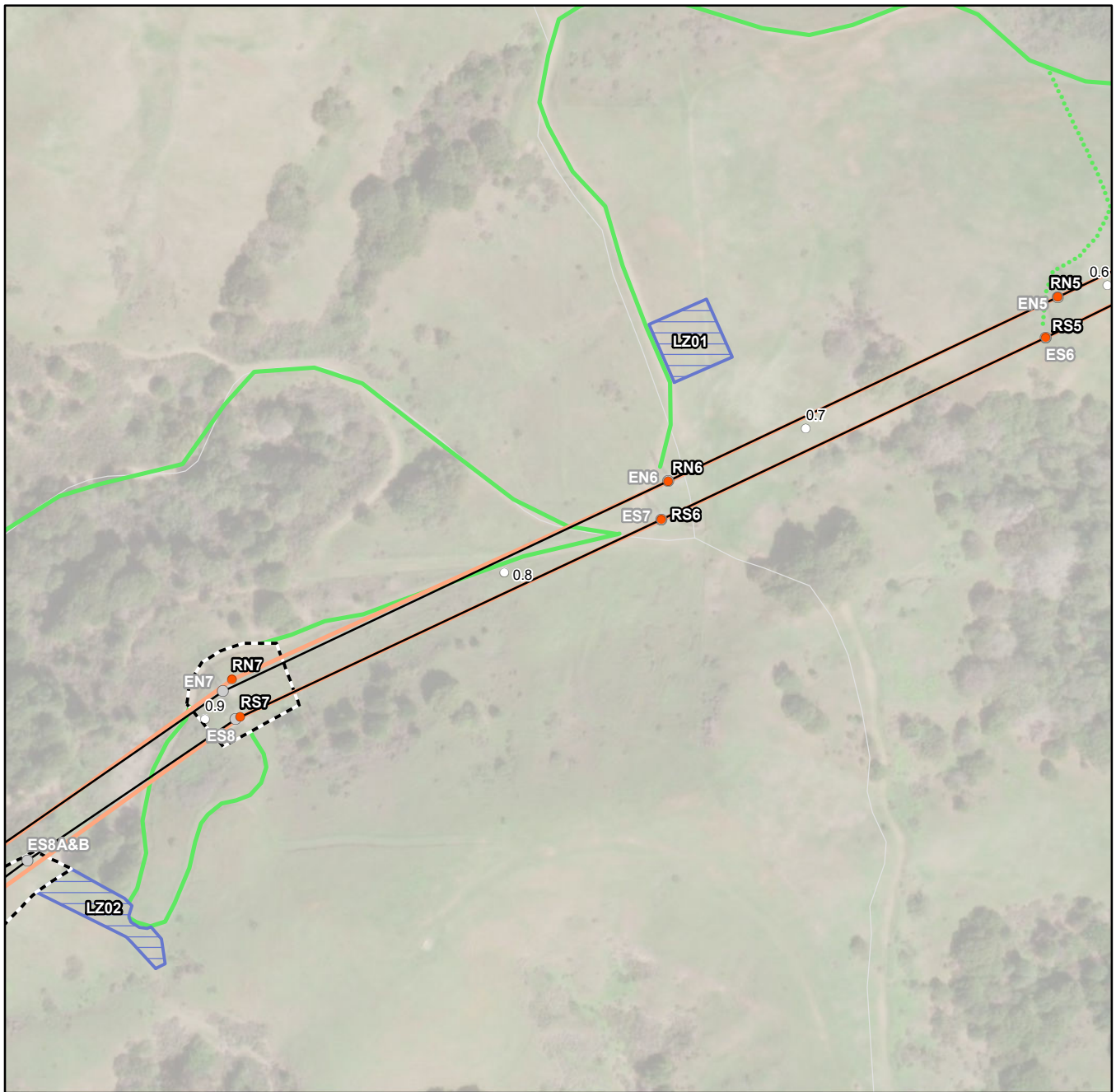


Figure 3.5-1 Page 9 of 25
Proposed Project - Detail
 Moraga-Oakland X 115 kV Rebuild Project
 Pacific Gas & Electric Company



Legend

- Milepost
- Overhead Structures**
- Existing
- Proposed
- Overhead Routes**
- Existing
- Proposed
- Temporary Reconductoring Pole
- Guard Pole
- Underground Routes**
- Proposed

Access

— Existing

⋯ Walk-In

Temporary Work Areas

▭ Landing Zone/ Staging Area

⋯ Work Area

Exact structure location, type, configuration, and dimensions will be determined by CPUC requirements, final engineering, and other factors and are preliminary and subject to change.

Version: 1/8/2025

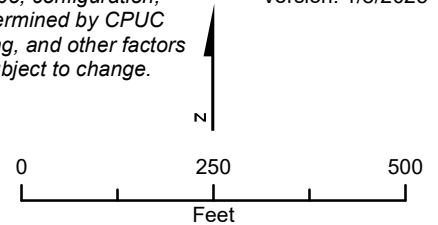
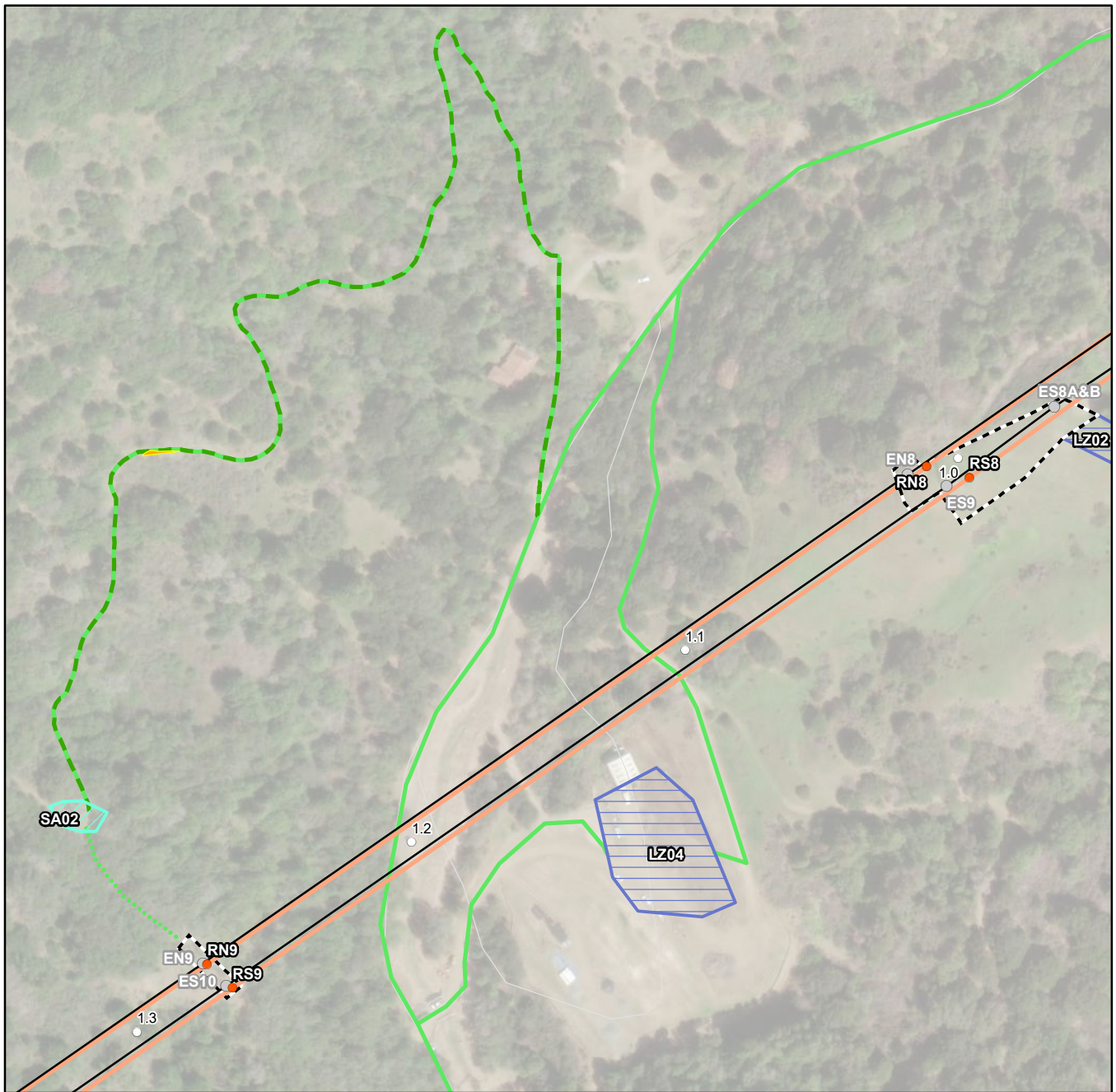


Figure 3.5-1 Page 10 of 25
Proposed Project - Detail
 Moraga-Oakland X 115 kV Rebuild Project
 Pacific Gas & Electric Company



Legend

- Milepost
- Overhead Structures**
- Existing
- Proposed
- Overhead Routes**
- Existing
- Proposed
- Temporary Reconductoring Pole
- Guard Pole
- Underground Routes**
- Proposed

- Access**
- Existing
- Improvement
- ... Walk-In
- Temporary Work Areas**
- ▭ Landing Zone/ Staging Area
- ▭ Road Repair
- ▭ Staging Area
- ▭ Work Area

Exact structure location, type, configuration, and dimensions will be determined by CPUC requirements, final engineering, and other factors and are preliminary and subject to change.

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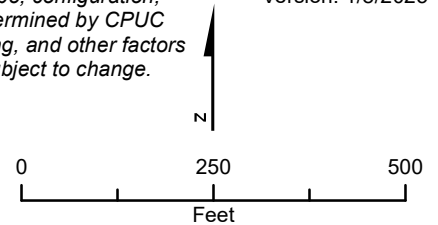


Figure 3.5-1 Page 11 of 25
Proposed Project - Detail
 Moraga-Oakland X 115 kV Rebuild Project
 Pacific Gas & Electric Company



Legend

- Milepost
- Overhead Structures**
- Existing
- Proposed
- Overhead Routes**
- Existing
- Proposed
- Temporary Reconductoring Pole
- Guard Pole
- Underground Routes**
- Proposed

- Access**
- Existing
- Temporary Work Areas**
- ▨ Staging Area
- ⋯ Work Area

Exact structure location, type, configuration, and dimensions will be determined by CPUC requirements, final engineering, and other factors and are preliminary and subject to change.

Version: 1/8/2025

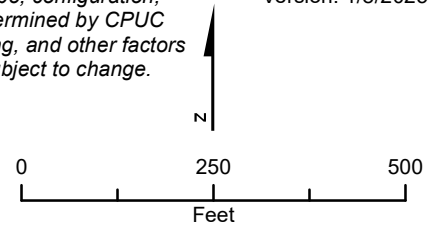
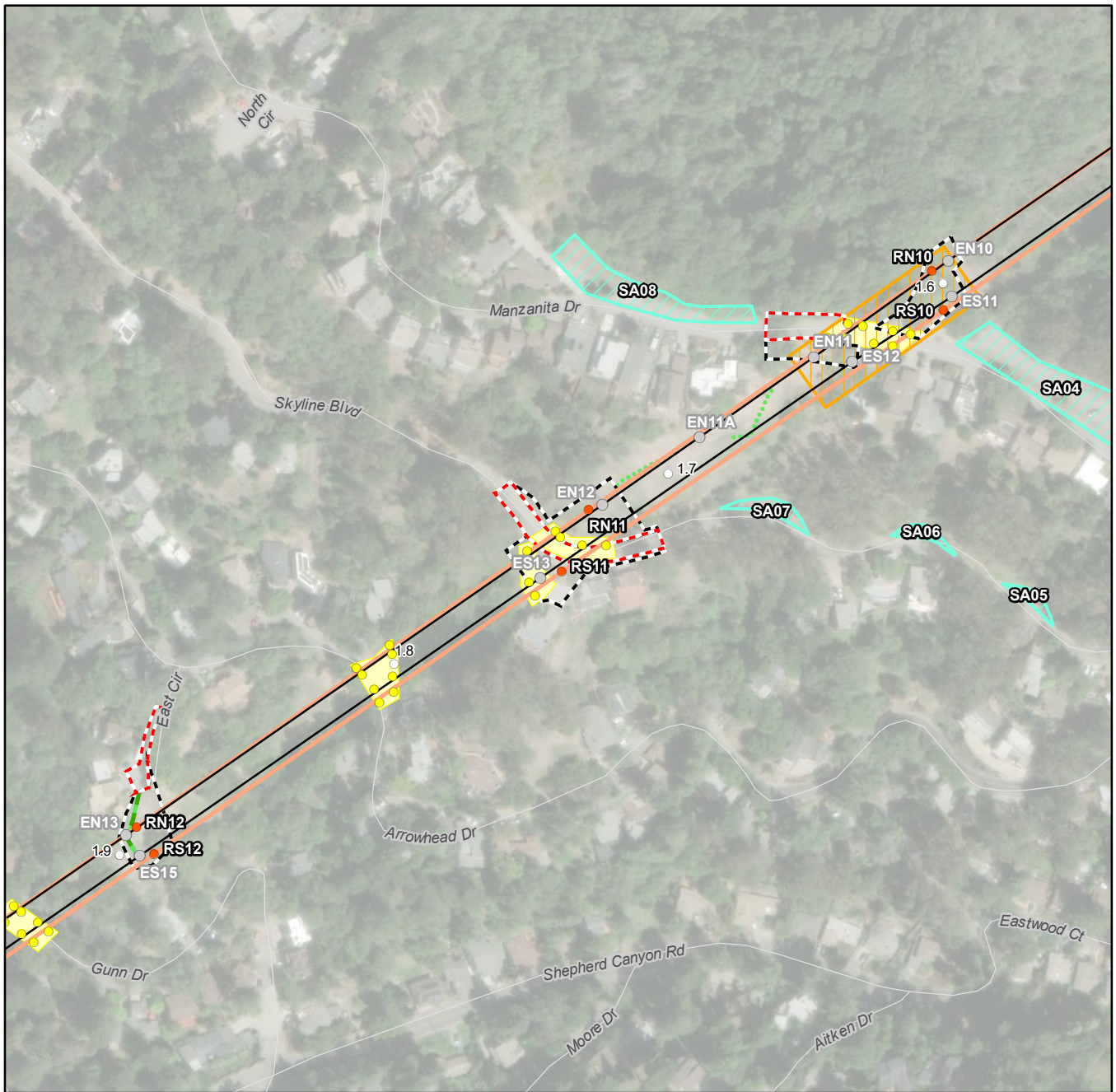


Figure 3.5-1 Page 12 of 25
Proposed Project - Detail
 Moraga-Oakland X 115 kV Rebuild Project
 Pacific Gas & Electric Company



Version: 1/8/2025

Legend

- Milepost
- Overhead Structures**
- Existing
- Proposed
- Overhead Routes**
- Existing
- Proposed
- Temporary Reconductoring Pole
- Guard Pole
- Underground Routes**
- Proposed

- Access**
- Improvement
- Walk-In
- Temporary Work Areas**
- Guard Poles
- Staging Area
- Tension Pull Site
- Work Area
- Work Area, Temporary Closure

Exact structure location, type, configuration, and dimensions will be determined by CPUC requirements, final engineering, and other factors and are preliminary and subject to change.

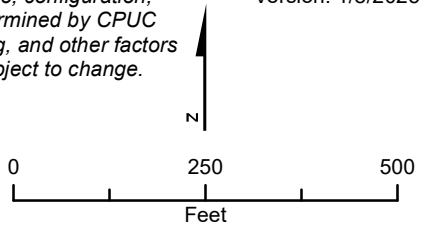
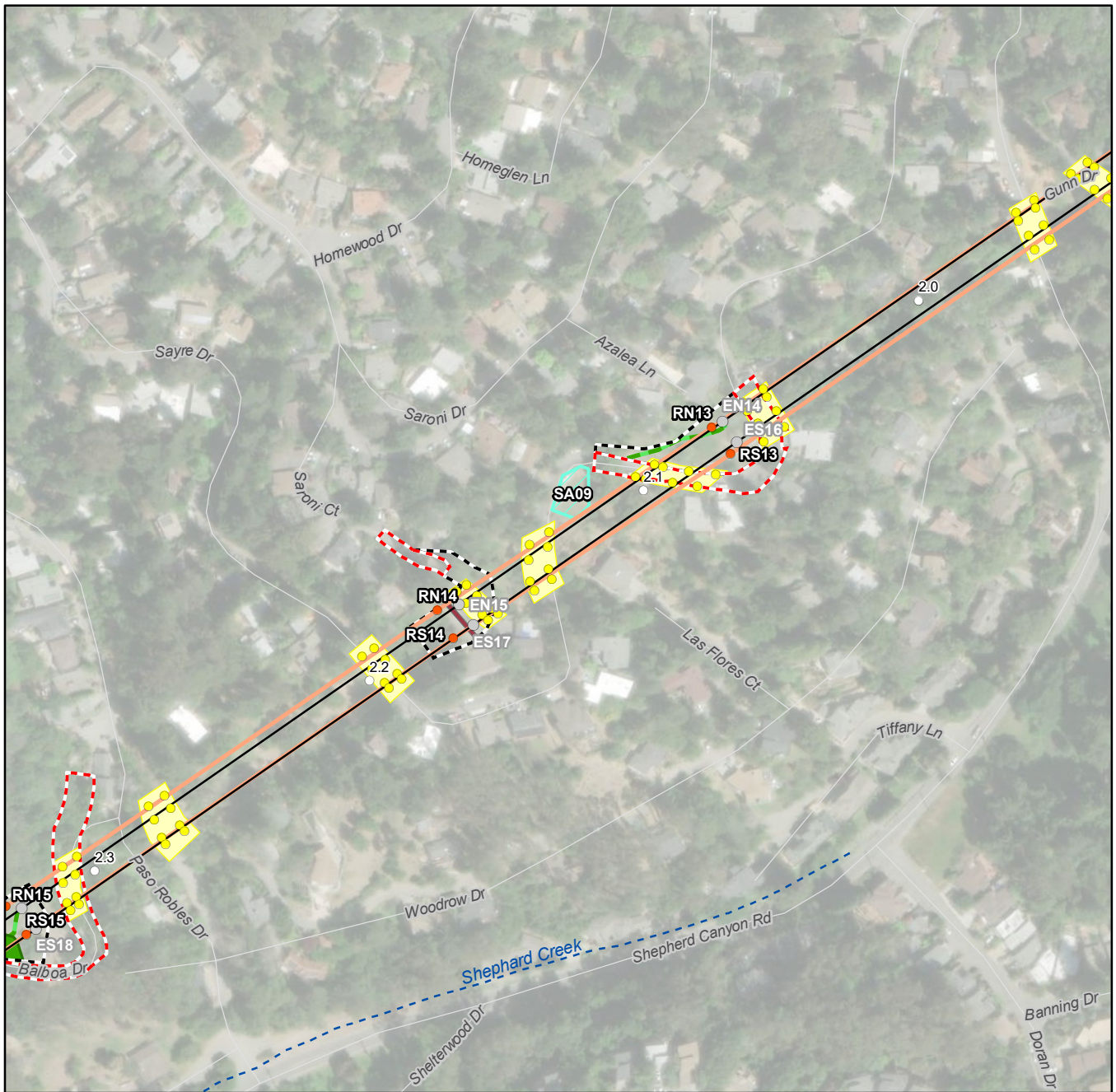


Figure 3.5-1 Page 13 of 25
Proposed Project - Detail
 Moraga-Oakland X 115 kV Rebuild Project
 Pacific Gas & Electric Company





Legend

- Milepost
- Overhead Structures**
- Existing
- Proposed
- Overhead Routes**
- Existing
- Proposed
- Temporary Reconductoring Pole
- Guard Pole
- Underground Routes**
- Proposed

Access

- Improvement
- Temporary Work Areas**
- Fence Removal/Replacement
- Guard Poles
- Staging Area
- Work Area
- Work Area, Temporary Closure
- Veg Work/Tree Removal

Exact structure location, type, configuration, and dimensions will be determined by CPUC requirements, final engineering, and other factors and are preliminary and subject to change.

Version: 1/8/2025

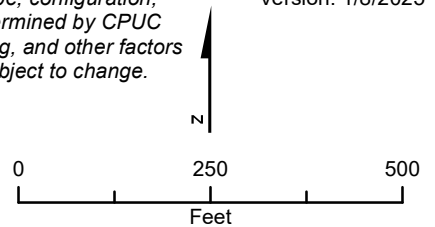
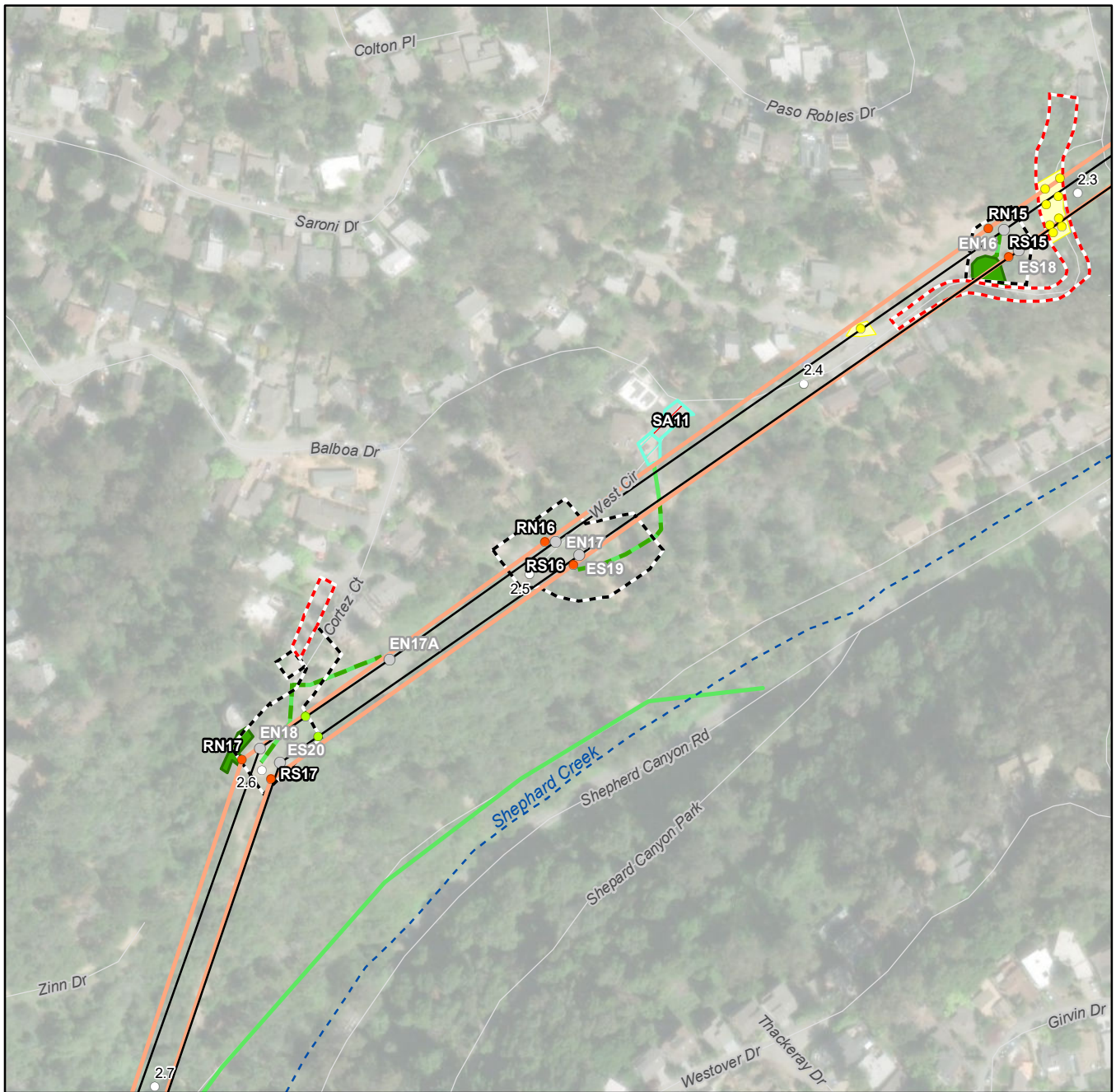


Figure 3.5-1 Page 14 of 25
Proposed Project - Detail
 Moraga-Oakland X 115 kV Rebuild Project
 Pacific Gas & Electric Company



Legend

- Milepost
- Overhead Structures**
- Existing
- Proposed
- Overhead Routes**
- Existing
- Proposed
- Temporary Reconductoring Pole
- Guard Pole
- Underground Routes**
- Proposed

- Access**
- Existing
- Improvement
- Temporary Work Areas**
- Guard Poles
- Staging Area
- Staging Area, Temporary Closure
- Work Area
- Work Area, Temporary Closure
- Veg Work/Tree Removal

Exact structure location, type, configuration, and dimensions will be determined by CPUC requirements, final engineering, and other factors and are preliminary and subject to change.

Version: 1/8/2025

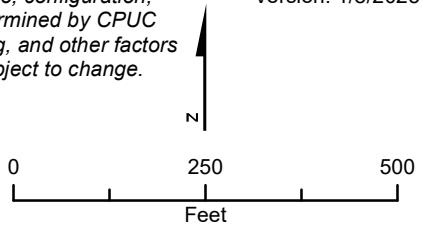
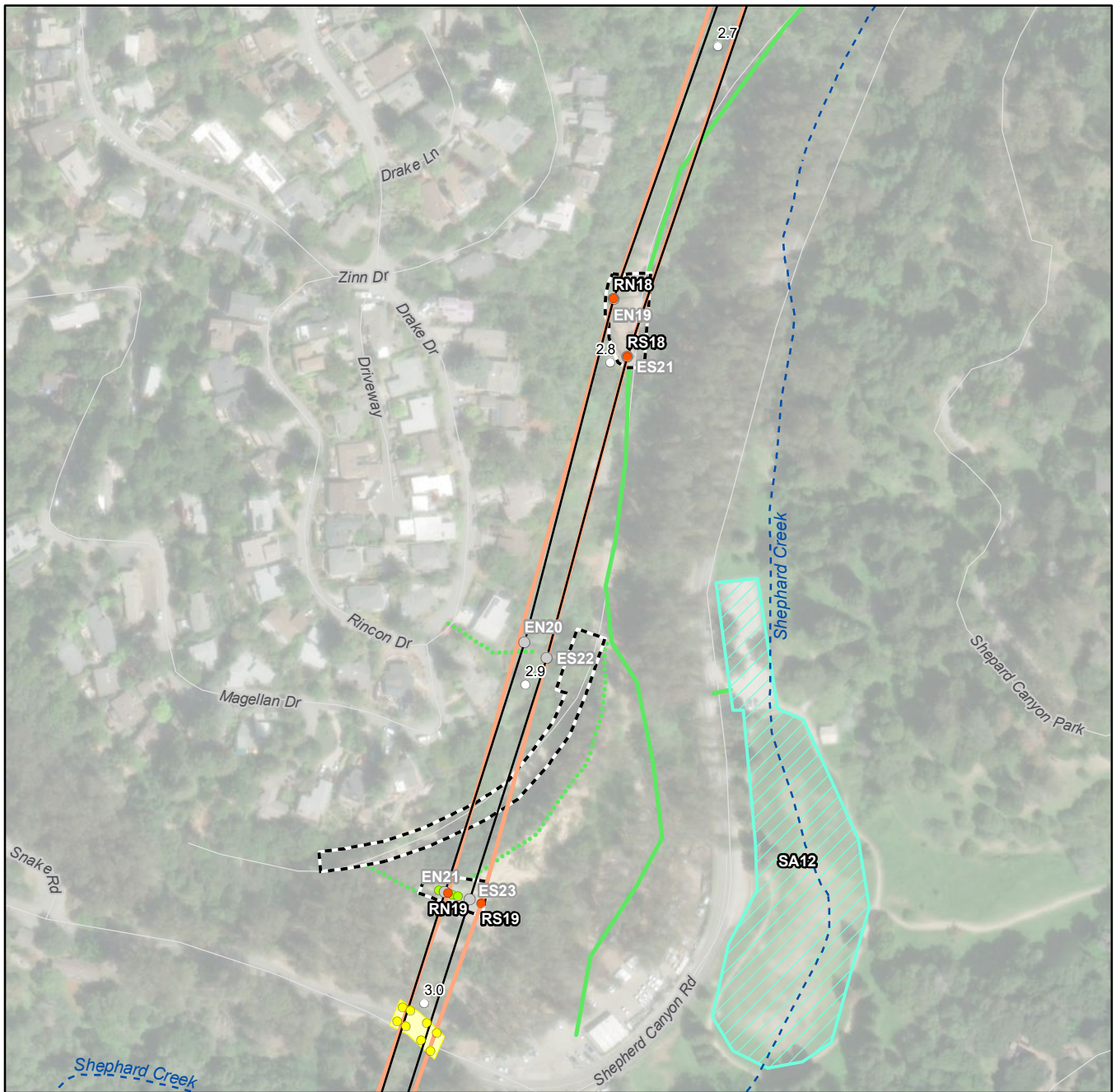


Figure 3.5-1 Page 15 of 25
Proposed Project - Detail
 Moraga-Oakland X 115 kV Rebuild Project
 Pacific Gas & Electric Company



Legend

- Milepost
- Overhead Structures**
- Existing
- Proposed
- Overhead Routes**
- Existing
- Proposed
- Temporary Reconductoring Pole
- Guard Pole
- Underground Routes**
- Proposed

- Access**
- Existing
- ⋯ Walk-In
- Temporary Work Areas**
- Guard Poles
- ▨ Staging Area
- ⋯ Work Area

Exact structure location, type, configuration, and dimensions will be determined by CPUC requirements, final engineering, and other factors and are preliminary and subject to change.

Version: 1/8/2025

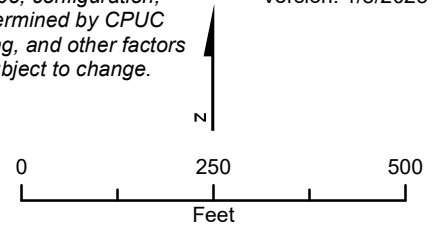
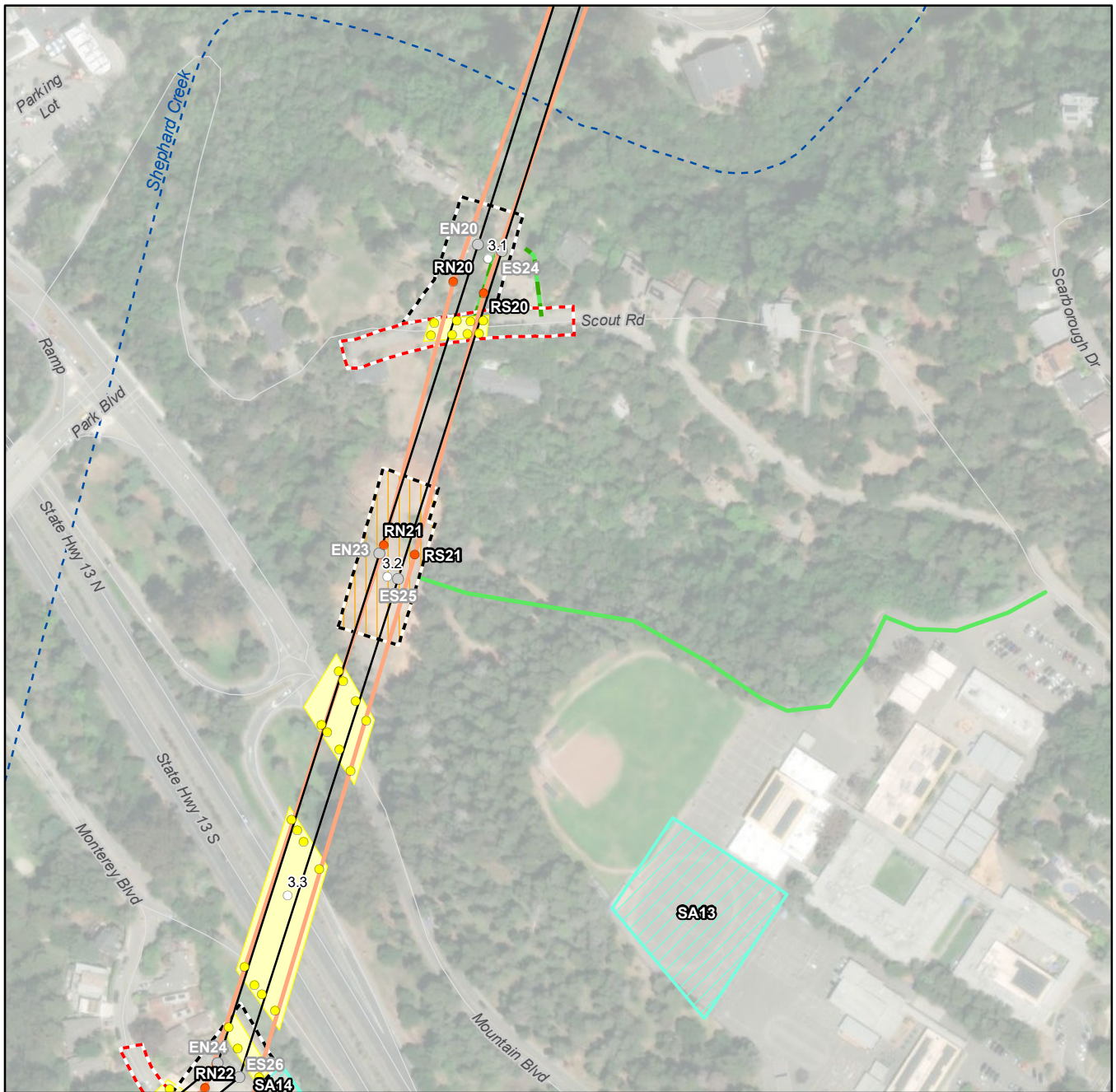


Figure 3.5-1 Page 16 of 25
Proposed Project - Detail
 Moraga-Oakland X 115 kV Rebuild Project
 Pacific Gas & Electric Company



Legend

- Milepost
- Overhead Structures**
 - Existing
 - Proposed
- Overhead Routes**
 - Existing
 - Proposed
 - Temporary Reconductoring Pole
 - Guard Pole
- Underground Routes**
 - Proposed
- Access**
 - Existing
 - Improvement
- Temporary Work Areas**
 - Guard Poles
 - Staging Area
 - Tension Pull Site
 - Work Area
 - Work Area, Temporary Closure

Exact structure location, type, configuration, and dimensions will be determined by CPUC requirements, final engineering, and other factors and are preliminary and subject to change.

Version: 1/8/2025

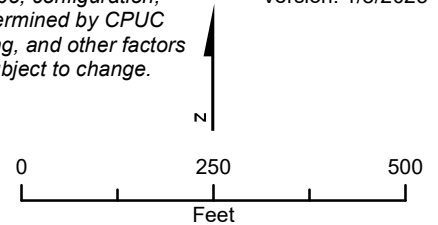
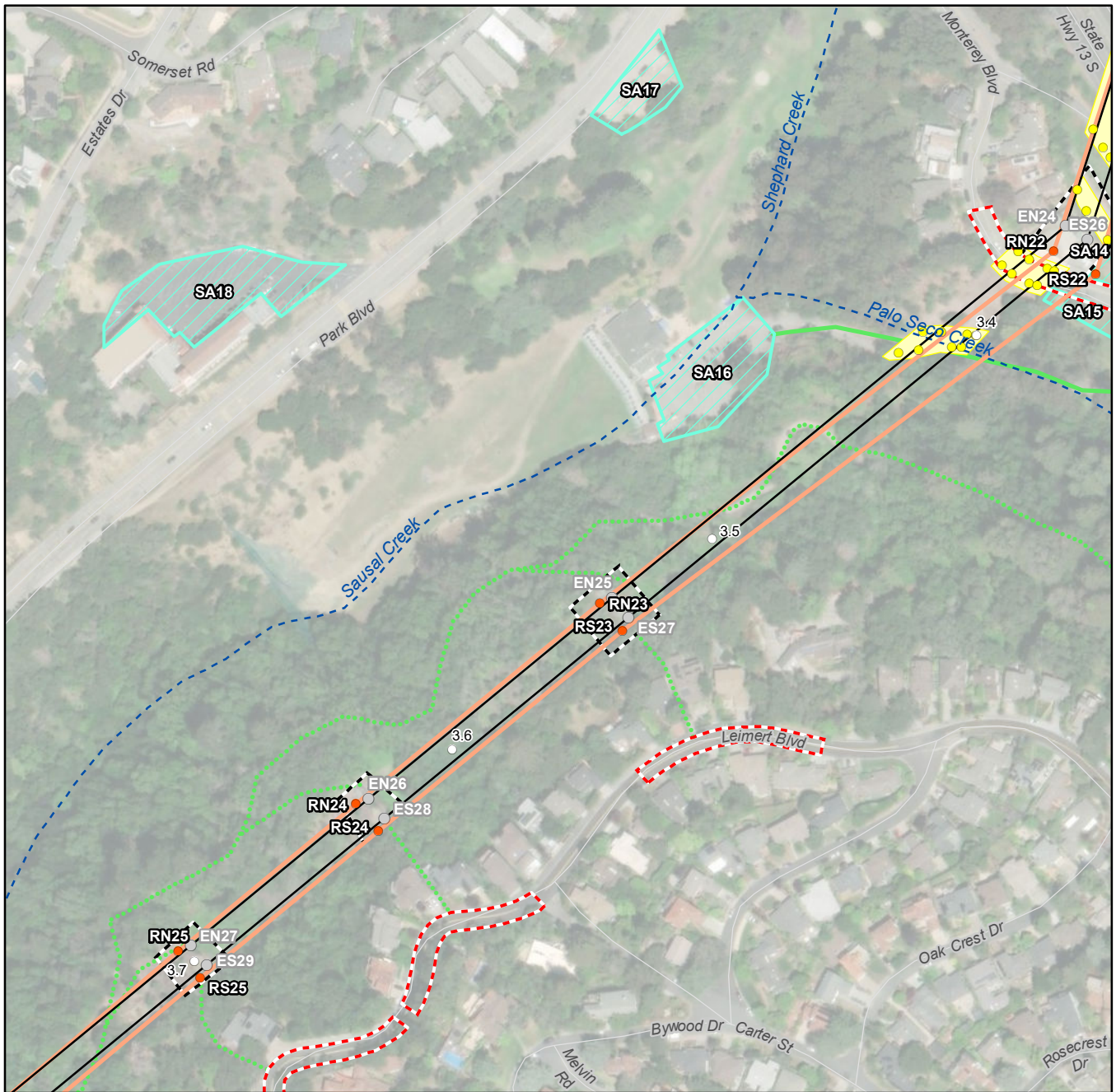


Figure 3.5-1 Page 17 of 25
Proposed Project - Detail
 Moraga-Oakland X 115 kV Rebuild Project
 Pacific Gas & Electric Company



Legend

- Milepost
- Overhead Structures**
- Existing
- Proposed
- Overhead Routes**
- Existing
- Proposed
- Temporary Reconductoring Pole
- Guard Pole
- Underground Routes**
- Proposed

Access

- Existing
- ⋯ Walk-In

Temporary Work Areas

- Guard Poles
- ▨ Staging Area
- ⋯ Work Area
- ⋯ Work Area, Temporary Closure

Exact structure location, type, configuration, and dimensions will be determined by CPUC requirements, final engineering, and other factors and are preliminary and subject to change.

Version: 1/8/2025

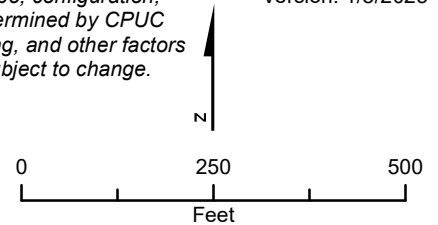
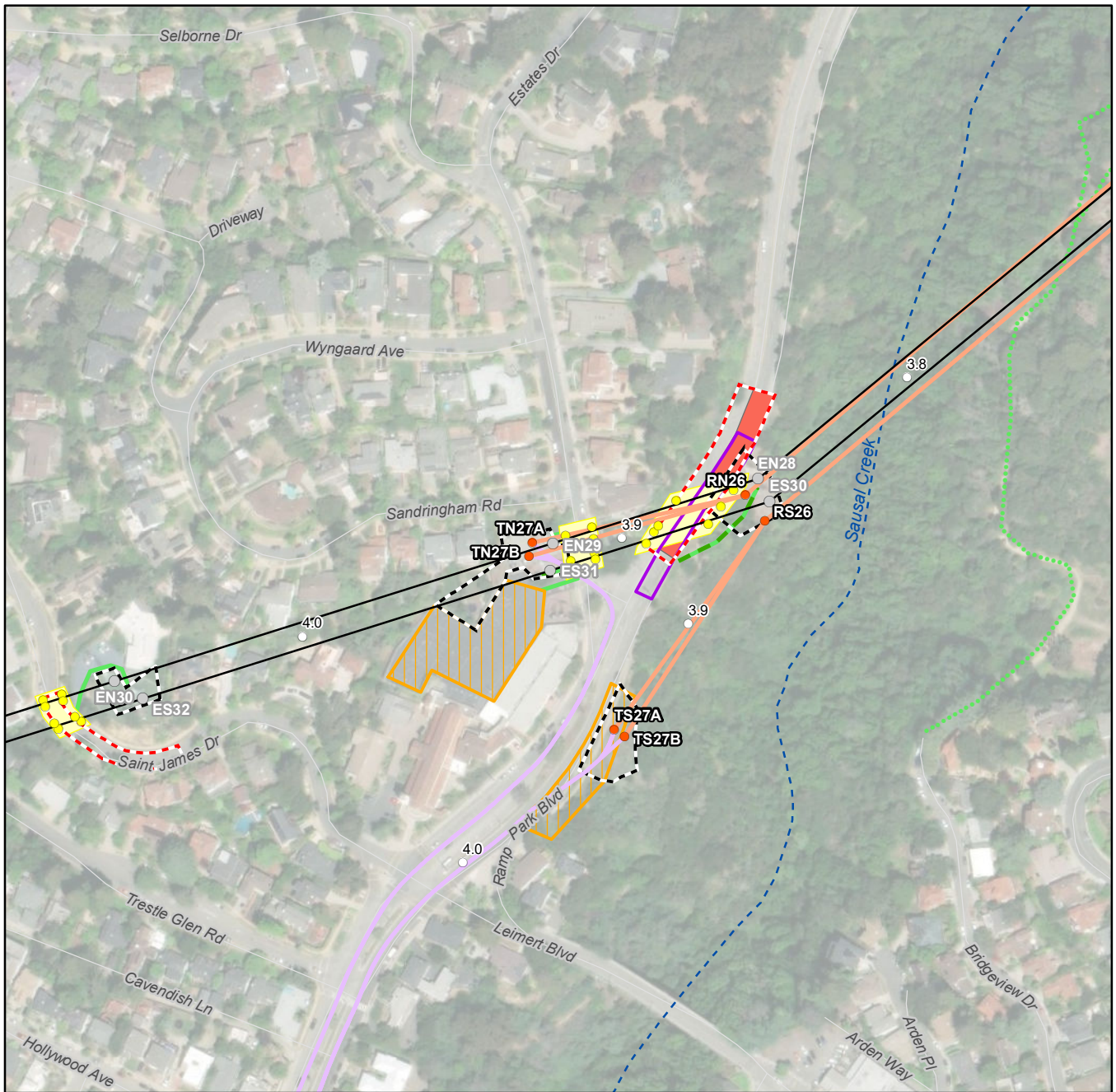


Figure 3.5-1 Page 18 of 25
Proposed Project - Detail
 Moraga-Oakland X 115 kV Rebuild Project
 Pacific Gas & Electric Company



Version: 1/8/2025

Legend

- Milepost
- Overhead Structures**
 - Existing
 - Proposed
- Overhead Routes**
 - Existing
 - Proposed
 - Temporary Reconductoring Pole
 - Guard Pole
- Underground Routes**
 - Proposed
- Access**
 - Existing
 - Improvement
 - ⋯ Walk-In
- Temporary Work Areas**
 - Guard Poles
 - Tension Pull Site
 - Work Area
 - Work Area, Temporary Closure
 - EB Work Area Option
 - Move Distribution Pole Option

Exact structure location, type, configuration, and dimensions will be determined by CPUC requirements, final engineering, and other factors and are preliminary and subject to change.

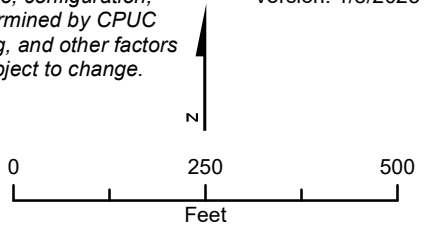
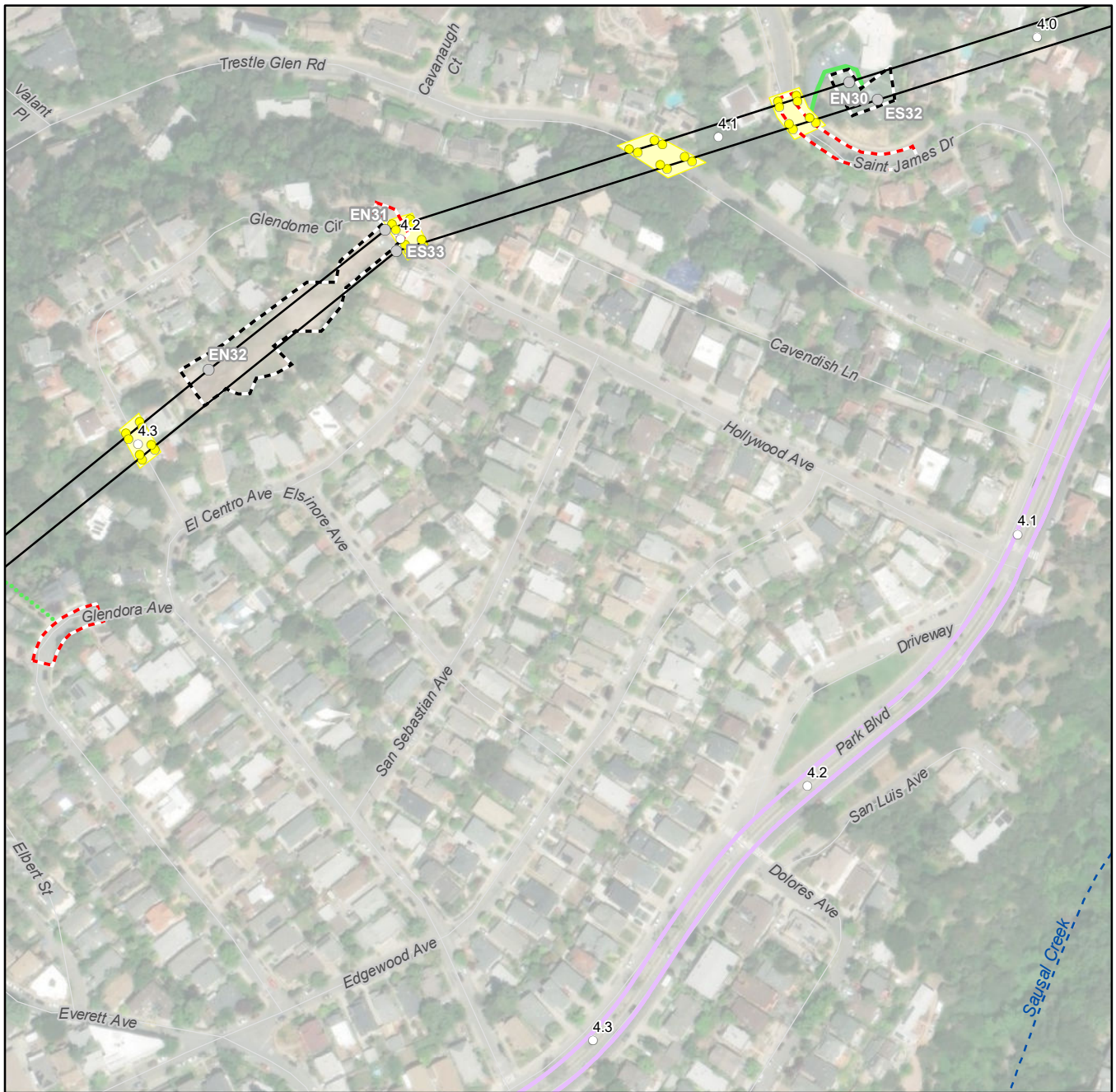


Figure 3.5-1 Page 19 of 25
Proposed Project - Detail
 Moraga-Oakland X 115 kV Rebuild Project
 Pacific Gas & Electric Company





Legend

- Milepost
- Overhead Structures**
- Existing
- Proposed
- Overhead Routes**
- Existing
- Proposed
- Temporary Reconductoring Pole
- Guard Pole
- Underground Routes**
- Proposed

Access

- Existing
- Walk-In

Temporary Work Areas

- Guard Poles
- Work Area
- Work Area, Temporary Closure

Exact structure location, type, configuration, and dimensions will be determined by CPUC requirements, final engineering, and other factors and are preliminary and subject to change.

Version: 1/8/2025

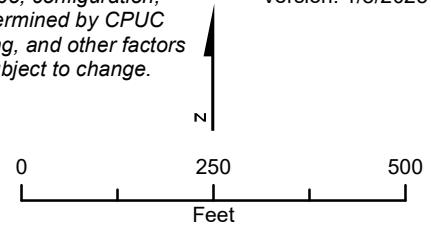
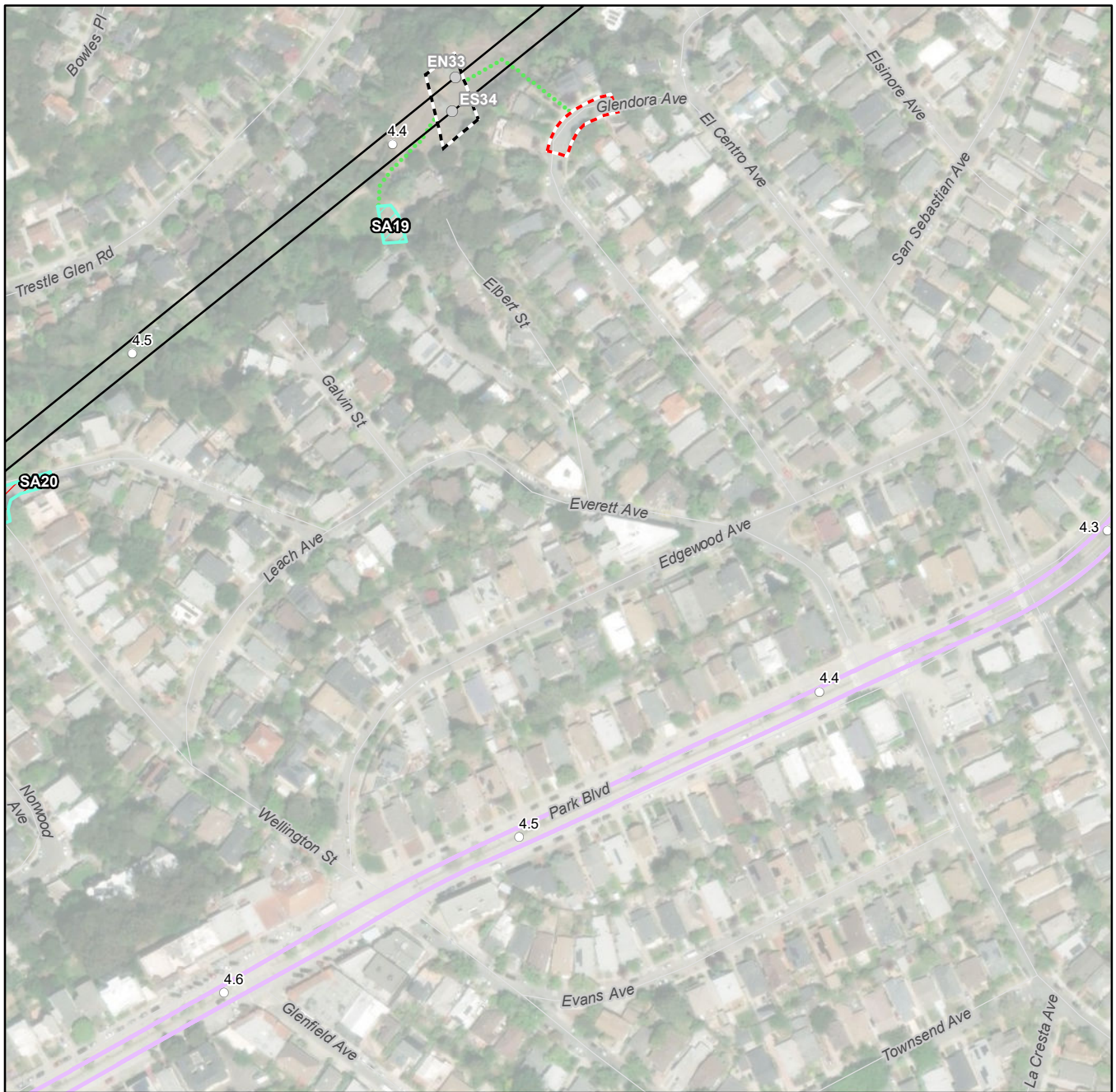


Figure 3.5-1 Page 20 of 25
Proposed Project - Detail
 Moraga-Oakland X 115 kV Rebuild Project
 Pacific Gas & Electric Company



Version: 1/8/2025

Legend

- Milepost
- Overhead Structures**
 - Existing
 - Proposed
- Overhead Routes**
 - Existing
 - Proposed
 - Temporary Reconductoring Pole
 - Guard Pole
- Underground Routes**
 - Proposed

- Access**
 - Walk-In
- Temporary Work Areas**
 - ▨ Staging Area
 - ▨ Staging Area, Temporary Closure
 - ▨ Work Area
 - ▨ Work Area, Temporary Closure

Exact structure location, type, configuration, and dimensions will be determined by CPUC requirements, final engineering, and other factors and are preliminary and subject to change.

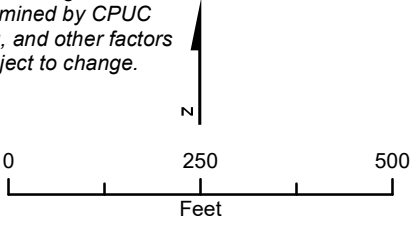
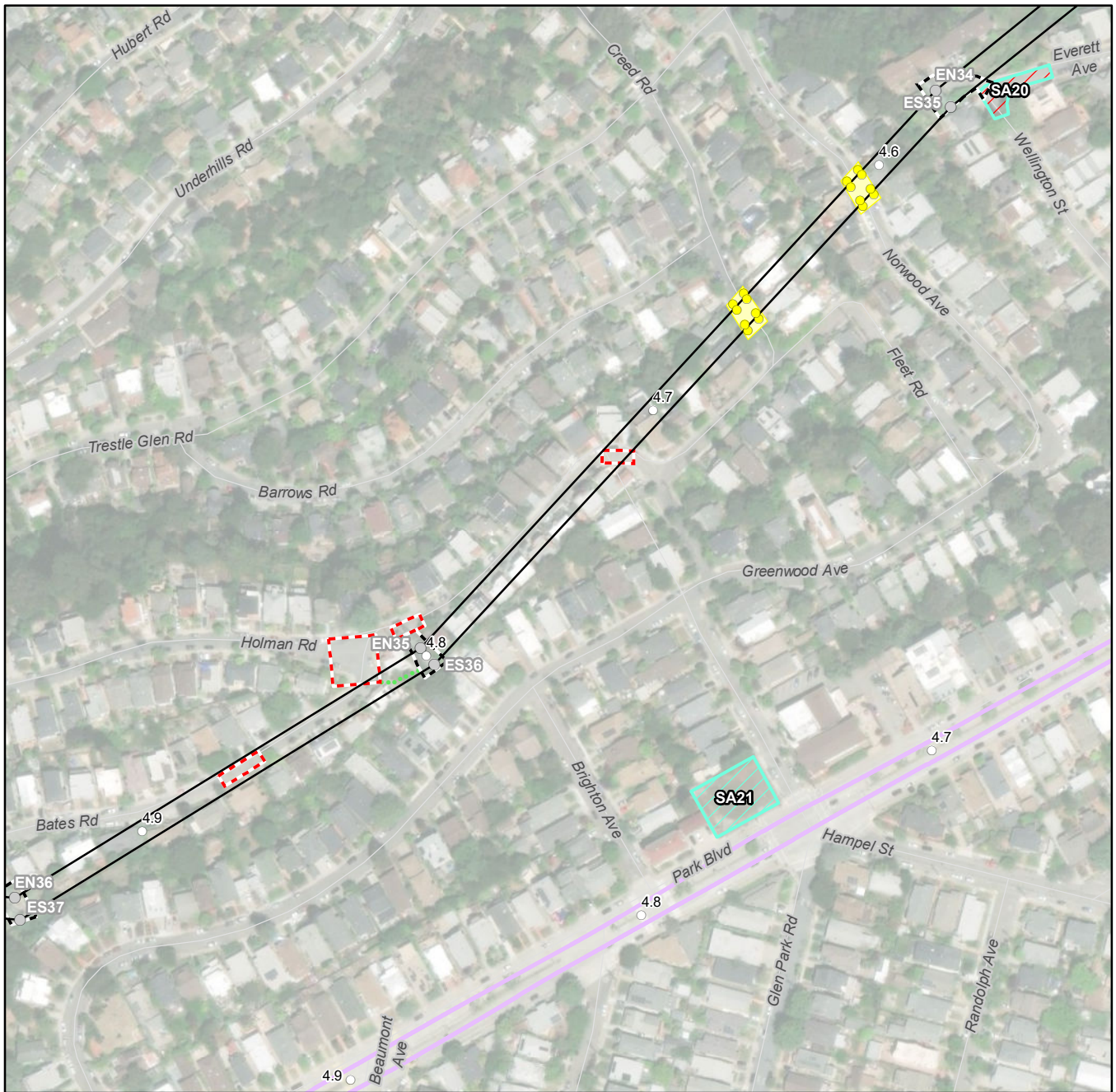


Figure 3.5-1 Page 21 of 25
Proposed Project - Detail
 Moraga-Oakland X 115 kV Rebuild Project
 Pacific Gas & Electric Company



Legend

- Milepost
- Overhead Structures**
- Existing
- Proposed
- Overhead Routes**
- Existing
- Proposed
- Temporary Reconductoring Pole
- Guard Pole
- Underground Routes**
- Proposed

- Access**
- Walk-In
- Temporary Work Areas**
- Guard Poles
- Staging Area
- Staging Area, Temporary Closure
- Work Area
- Work Area, Temporary Closure

Exact structure location, type, configuration, and dimensions will be determined by CPUC requirements, final engineering, and other factors and are preliminary and subject to change.

Version: 1/8/2025

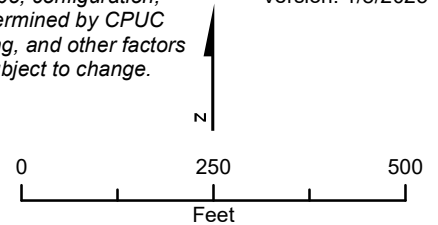
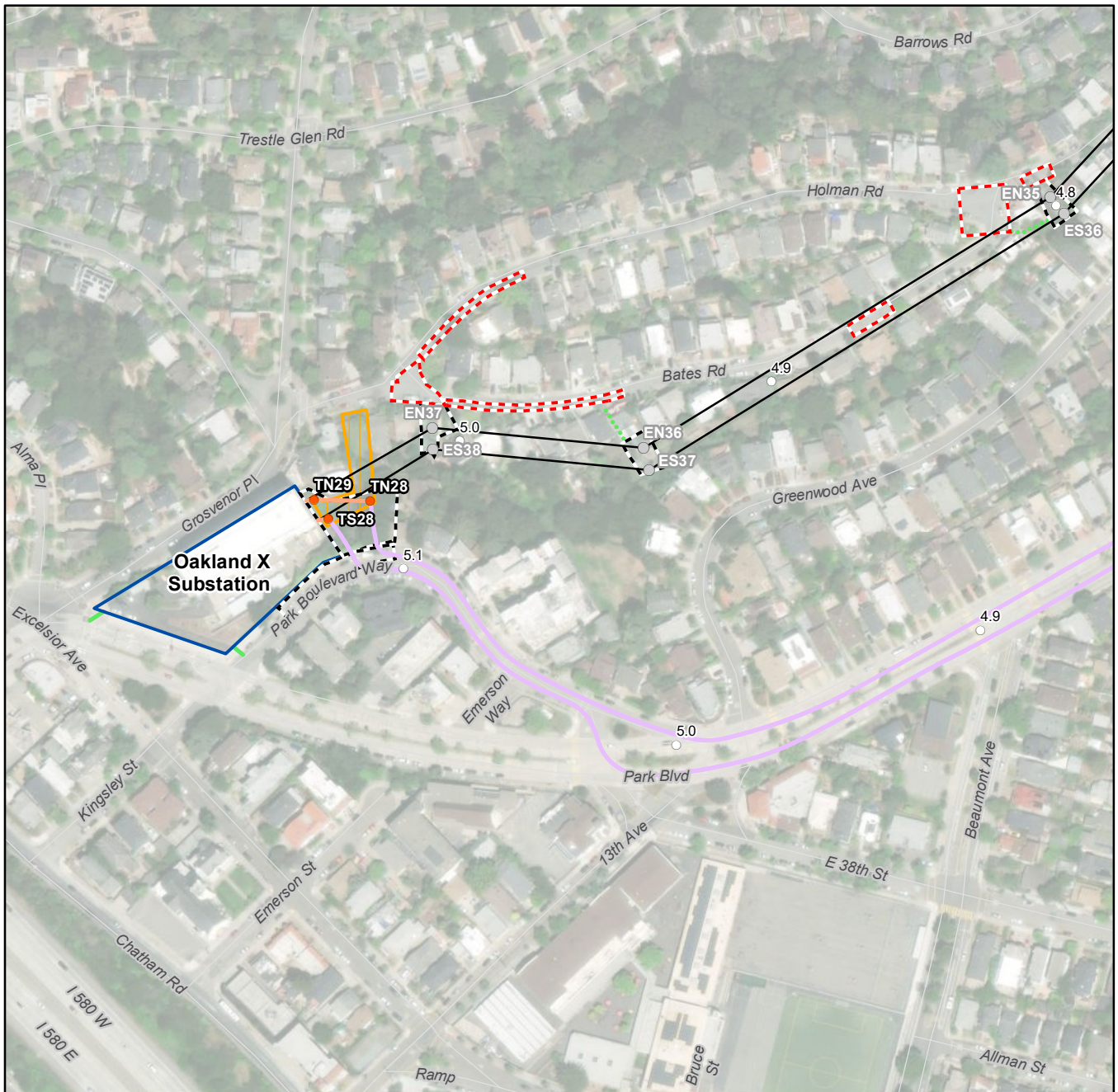


Figure 3.5-1 Page 22 of 25
Proposed Project - Detail
 Moraga-Oakland X 115 kV Rebuild Project
 Pacific Gas & Electric Company



Version: 1/8/2025

Legend

- Milepost
- Overhead Structures**
- Existing
- Proposed
- Overhead Routes**
- Existing
- Proposed
- Temporary Reconductoring Pole
- Guard Pole
- Underground Routes**
- Proposed

- Access**
- Existing
- Walk-In
- Temporary Work Areas**
- Substation Work Area
- Tension Pull Site
- Work Area
- Work Area, Temporary Closure

Exact structure location, type, configuration, and dimensions will be determined by CPUC requirements, final engineering, and other factors and are preliminary and subject to change.

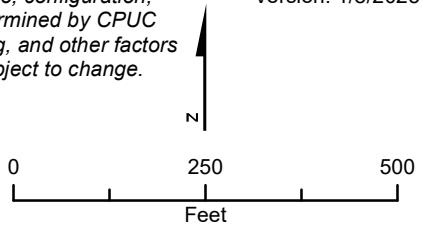


Figure 3.5-1 Page 23 of 25
Proposed Project - Detail
 Moraga-Oakland X 115 kV Rebuild Project
 Pacific Gas & Electric Company





Legend

- Milepost
- Overhead Structures**
 - Existing
 - Proposed
- Overhead Routes**
 - Existing
 - Proposed
 - Temporary Reconductoring Pole
 - Guard Pole
- Underground Routes**
 - Proposed
- Access**
 - Existing
 - Walk-In
- Temporary Work Areas**
 - Guard Poles
 - Staging Area
 - Work Area
 - Work Area, Temporary Closure

Exact structure location, type, configuration, and dimensions will be determined by CPUC requirements, final engineering, and other factors and are preliminary and subject to change.

Version: 1/8/2025

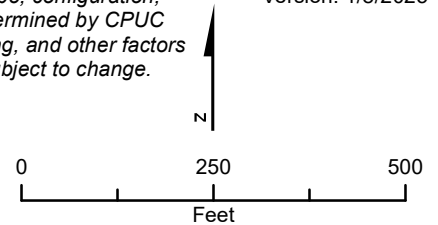


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 Pacific Gas & Electric Company



Legend

- Milepost
- Overhead Structures**
- Existing
- Proposed
- Overhead Routes**
- Existing
- Proposed
- Temporary Reconductoring Pole
- Guard Pole
- Underground Routes**
- Proposed

Temporary Work Areas

- Staging Area

Exact structure location, type, configuration, and dimensions will be determined by CPUC requirements, final engineering, and other factors and are preliminary and subject to change.

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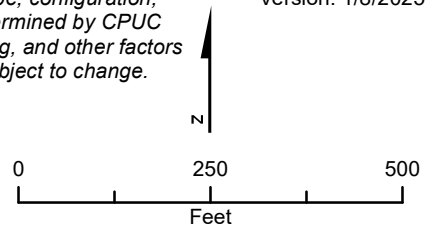


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