



# Mesa 500-kV Substation Project CPUC Minor Project Change Form

Date Requested: December 20, 2018

Report No.: 04

Date Approved:

Approval Agency: CPUC

Property Owner(s): SCE

Location/Milepost: North and South of Potrero Grande Avenue

Land Use/Vegetative Cover: Bare earth and ornamental vegetation

Sensitive Resources: None

Modification From:  Permit  Plan/Procedure  Specification  Drawing  
 Mitigation Measure  Other:

This activity is described Notice to Proceed Request-2 for Initial Project-Related Activities for the Mesa 500-Kv Substation Project, Section 2.4 Subtransmission Line Relocations Section 11 Figure 6B, and Final Environmental Impact Report, Mesa 500-kV Substation Project, Section 2.2.1.4.

Describe how project refinement deviates from current project. Include photos.

- Original Condition: In the nursery area behind the service center, the existing subtransmission lines are right over the top of the future subtransmission pole locations, which prevents the safe installation of the TSPs unless the lines are de-energized. If the TSPs can be set in spring 2019, it will allow for much shorter outages in late 2019 and early 2020 when the Project is executing the cutover activities to transfer the circuitry from the existing substation to the new substation.
- Justification for change: These poles are being installed in order to change the alignment of the current circuitry, allowing for the safe installation of future Riser TSPs in this general area and the subsequent installation of the underground cables that are to be installed on those TSPs. This change will reduce the Project's overall schedule and may eliminate the risk of requested outages not being granted due to loading issues. For this modification, SCE will install a total of twelve (12) temporary wood poles (attached Figure), each with two down-guys and anchors, in order to re-route 4 separate 66kV circuits. The poles would be set in three groups of four poles each, with the groups located roughly 100 feet from the other groups and the poles within a group located roughly 20 feet apart from each other.
- Figure: Attached to this document.
  - Figure. Twelve Temporary Shoo-Fly Poles in Nursery Area Behind Service Center
- Environmental Impact:

This bare earth, compacted dirt/gravel area surrounded on the fringes by ornamental vegetation provides no useful habitat for any wildlife or botanical species, and does not host cultural resources or paleontological resources. This area is currently used as a project staging area. Using this area for twelve temporary wood poles will not be a significant additional project impact.

- Concurrence: the Final Environmental Impact Report, Mesa 500-kV Substation Project was consulted, as was the USACE Section 404 Permit (SPL-2015-0324), USFWS Biological Opinion (FWS-LA-15B0327-17F1426),

CDFW Streambed Alteration Agreement (1600-2016-0034-R5), SWRCB Section 401 Permit (16-019), NTPR-1 Biological Review, Cultural Resources Management Plan for the Mesa Substation Project, and Paleontological Resources Management Plan for the Southern California Edison Mesa 500 Kilovolt Substation Project to determine whether other agencies, municipalities, utilities, etc. would need to provide concurrence with this MPC. For this situation, no project measures or plans stipulate consultation with agencies other than the CPUC.

**Resources:**

Bare earth and ornamental vegetation

<b>Biological</b>	<input checked="" type="checkbox"/> No Resources Present	<input type="checkbox"/> Resources Present	<input type="checkbox"/> N/A
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**Previous Biological Survey Report Reference:** [Include dates of original "baseline" surveys (from EIR analysis) to prove that the areas/practices were previously analyzed. Include more recent preconstruction sweeps, if applicable, to prove that the applicant has an understanding of what resources are currently present in this new area or could be impacted by this new practice.]

AMEC Earth & Environmental, Inc. (AMEC). 2009a. Final Special Status Plant Species Survey Report for the Southern California Edison Tehachapi Renewable Transmission Project, Segments 7 and 8. Prepared for Southern California Edison. December.

AMEC. 2009b. Final 2009 Burrowing Owl Focused Survey Report for Segments 7 and 8 of the Southern California Edison Tehachapi Renewable Transmission Project. Submitted to Southern California Edison. October.

Aspen. 2009. Revised Biological Resources Specialist Report for the Tehachapi Renewable Transmission Project. Prepared for the California Public Utilities Commission and the USDA Forest Service. September.

Aspen. 2010. Final Environmental Impact Statement, Southern California Edison's Application for the Tehachapi Renewable Transmission Project. Prepared for the California Public Utilities Commission and the USDA Forest Service. September.

Ecology and Environment, Inc. (Ecology and Environment). 2016. Final Environmental Impact Report, Southern California Edison's Application for the Mesa 500-kV Substation Project. Prepared for the California Public Utilities Commission. October.

ICF. 2010a. Jurisdictional Delineation Report for the Tehachapi Renewable Transmission Project: Segments 7 and 8. Prepared for Southern California Edison.

ICF. 2010b. Focused Survey Report Special-Status Plant Species Segments 7 and 8. Tehachapi Renewable Transmission Project. Prepared for Southern California Edison.

ICF. 2010c. Focused Survey Report for Burrowing Owl Segments 7 and 8. August. (ICF 00133.10.) Irvine, CA. Prepared for Southern California Edison, Rosemead, California.

ICF. 2010d. Focused Survey Report for Coastal California Gnatcatcher Segments 7 and 8. August. (ICF 00133.10.) Irvine, CA. Prepared for Southern California Edison, Rosemead, California.

ICF. 2011a. TRTP: Segment 11A Goodrich to Mesa Transmission Line Jurisdictional Delineation and Impact Analysis Report. July 13. Prepared for Southern California Edison, Brea, California.

ICF. 2011b. 2011 Focused Survey Report Coastal California Gnatcatcher Segments 7 and 8, Tehachapi Renewable Transmission Project Component. September. Prepared for Southern California Edison, Brea, California.

ICF. 2011c. Preconstruction Biological Survey and Clearance Sweep Report for Southern California Edison's WP3 Transmission Line Work Segment 7 Transmission Line (M40-T1, M42-T6, WSS 7-7.62, WSS 7-7.63, WSS 7-7.64, WSS 7-7.75), and 66kV Relocation (4774404E to 4774410E, M7-T1) Los Angeles County, California. September. Prepared for Southern California Edison.

ICF. 2011d. 2011 Tree Inventory Report Segments 7 and 8. October 2012. Prepared for Southern California Edison, Brea, California.

ICF. 2017a. Mesa 500kV Substation Project 45-day Report for Protocol Coastal California Gnatcatcher Surveys. Prepared for Southern California Edison, Brea, California. July.

ICF. 2017b. Mesa 500kV Substation Habitat Assessment for Western Spadefoot. Prepared for Southern California Edison, Brea, California. September.

Insignia Environmental (Insignia). 2015a. Biological Resources Technical Report for the Mesa 500 kV Substation Project. Prepared for Southern California Edison. February.

Insignia. 2015b. Supplemental Jurisdictional Delineation Report for the Mesa 500 kV Substation Project. Prepared for Southern California Edison.

Insignia. 2015c. Biological Assessment, Mesa 500 kilovolt Substation Project, Los Angeles, California. Prepared for U.S. Army Corps of Engineers. June.

Noreas Environmental Engineering and Science (Noreas). 2015. Mesa Substation Project Plant Survey Report. Prepared for Southern California Edison. July.

Noreas Environmental Engineering and Science (Noreas). 2017a. Mesa Substation Project Pre-construction Special-Status Plant Survey Report. Prepared for Southern California Edison. September.

Noreas Environmental Engineering and Science (Noreas). 2017b. Mesa Substation Project Pre-construction Take Avoidance Burrowing Owl Survey. Prepared for Southern California Edison. September.

Rocks Biological Consulting (RBC). 2015. 45-day Report for Protocol Coastal California Gnatcatcher Surveys for the Proposed Southern California Edison Mesa 500 kilovolt Substation Project, Los Angeles County, California. Prepared for Insignia Environmental.

<b>Cultural</b>	<input type="checkbox"/> No Resources Present	<input type="checkbox"/> Resources Present	<input type="checkbox"/> Within Project Component Area	<input checked="" type="checkbox"/> N/A (paved/gravel ed area or no ground disturbance)
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**Previous Cultural Survey Report Reference:**

California Public Utilities Commission (CPUC). 2016. *Mesa 500-kV Substation Project Environmental Impact Report*. Davis, Shannon. 2017. *Evaluation of Historical Significance for the Mesa Substation Project*. Prepared by ASM Affiliates, Inc., Pasadena, California. Prepared for Southern California Edison.

McLeod, S.A. 2014. *Paleontological resources for the proposed Southern California Edison Mesa Substation Project*, Project # 061014, Los Angeles County, project area. Unpublished letter report by the Natural History Museum of Los Angeles Count, dated 30 June, 2014.

Miller, D.M., S.A. Siren, G.L. Aron. 2015. *Paleontological Resource Survey Report: Southern California Edison Mesa 500 Kilovolt Substation Project*, Los Angeles County, California. Prepared by Paleo Solutions, Inc. on behalf of SCE. Original dated July 22, 2014 and revised September 2014, November 2014, and January 2015.

Ninyo and Moore. 2015. *Geotechnical Evaluation, Mesa 500kV Substation – Phase 1*, 700 East Potrero Grande Drive, Monterey Park, California, dated August 27.

Ninyo and Moore. 2016. *Geotechnical Evaluation, Mesa 500kV Substation – Phase 2*, 700 East Potrero Grande Drive, Monterey Park, California, dated May 6.

Raum, J. and G.L. Aron. 2015. *Paleontological Survey Summary for the Mesa Substation Project- Staging Yards 6 & 7*, cities of Rosemond and South El Monte, Los Angeles County, California. Report prepared by Paleo Solutions, Inc. on behalf of SCE. Dated August 13, 2015.

Richards, C.D., and G.L. Aron. 2015. *Paleontological Monitoring, SCE Mesa 500 kV Substation Project*, Los Angeles County, California. Prepared by Paleo Solutions, Inc. on behalf of SCE. Dated February 16, 2015.

Williams, Audry. 2014. *Historical Resource Analysis Report/Historic Property Survey Report Southern California Edison Company Mesa 500kV Substation Project*. Prepared by Southern California Edison.

<b>Disturbance Acreage Changes:</b>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
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Original disturbance acreage: <b>N/A</b>	New disturbance acreage: <b>N/A</b>
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CEQA Section	Applicable	(Y) Define potential impact or (N) briefly explain why CEQA section isn't applicable. If (Y), describe original and new level of impact, and avoidance/minimization measures to be taken.
Geology, Soils, and Seismicity	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	No potential additional impacts.
Agency Consultation?	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	Agency consultation is not necessary.
Hazardous Materials and Waste	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	No potential additional impacts.
Agency Consultation?	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	Agency consultation is not necessary.
Hydrology	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	No potential additional impacts.
Agency Consultation?	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	Agency consultation is not necessary.
Cultural Resources	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	No potential additional impacts.
Agency Consultation?	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	Agency consultation is not necessary.
Traffic and Circulation	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	No potential additional impacts.
Agency Consultation?	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	Agency consultation is not necessary.
Air Quality	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	No potential additional impacts.
Agency Consultation?	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	Agency consultation is not necessary.
Noise and Vibration	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	No potential additional impacts.
Agency Consultation?	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	Agency consultation is not necessary.

CEQA Section	Applicable	(Y) Define potential impact or (N) briefly explain why CEQA section isn't applicable. If (Y), describe original and new level of impact, and avoidance/minimization measures to be taken.
Visual Resources	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	No potential additional impacts.
Agency Consultation?	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	Agency consultation is not necessary.
Vegetation and Wildlife	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	No potential additional impacts.
Agency Consultation?	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	Agency consultation is not necessary.

Approvals	Date	Name (print)	Signature	
Southern California Edison Environmental Project Manager	12/20/18	Lori Iles-Rangel	<b>APPROVED</b> <i>By Lori Iles-Rangel at 7:05 pm, Dec 20, 2018</i>	<input checked="" type="checkbox"/> Reviewed
CPUC Project Manager		Lisa Orsaba		<input type="checkbox"/> Approved <input type="checkbox"/> Approved with conditions (see below) <input type="checkbox"/> Denied

For CPUC Compliance Manager Use Only		
<input type="checkbox"/> Refinement Approved	<input type="checkbox"/> Refinement Denied	<input type="checkbox"/> Beyond Authority
<u>Conditions of Approval or Reason for Denial:</u>		
Prepared by:	Date:	

March 12, 2019

Connie Chen  
Project Manager  
State of California Public Utilities Commission  
505 Van Ness Avenue  
San Francisco, CA 94102-3298

**Re: Mesa 500-kV Substation Project – Minor Project Change No. 4 Request,  
SCE Revision**

Ms. Chen,

Subsequent to the CPUC approval of SCE's Minor Project Change Request No. 4 on February 8, 2019, SCE has made minor revisions to the scope in the initial request.

Specifically, SCE is reducing the number of temporary shoofly poles, from twelve to eight. The current configuration is shown in the attached figure. This is the only change.

Please let us know if you have any additional questions, or require further information.

Thank you.

Lori Iles-Rangel  
Project Manager, Environmental  
Project Execution, Major Environmental Projects  
Environmental Services Department  
M. 626-476-6253  
2244 Walnut Grove Avenue, Rosemead, CA 91770

March 12, 2019

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Project Manager  
State of California Public Utilities Commission  
505 Van Ness Avenue  
San Francisco, CA 94102-3298

**Re: Mesa 500-kV Substation Project – Minor Project Change No. 4 Request,  
SCE Revision**

Ms. Chen,

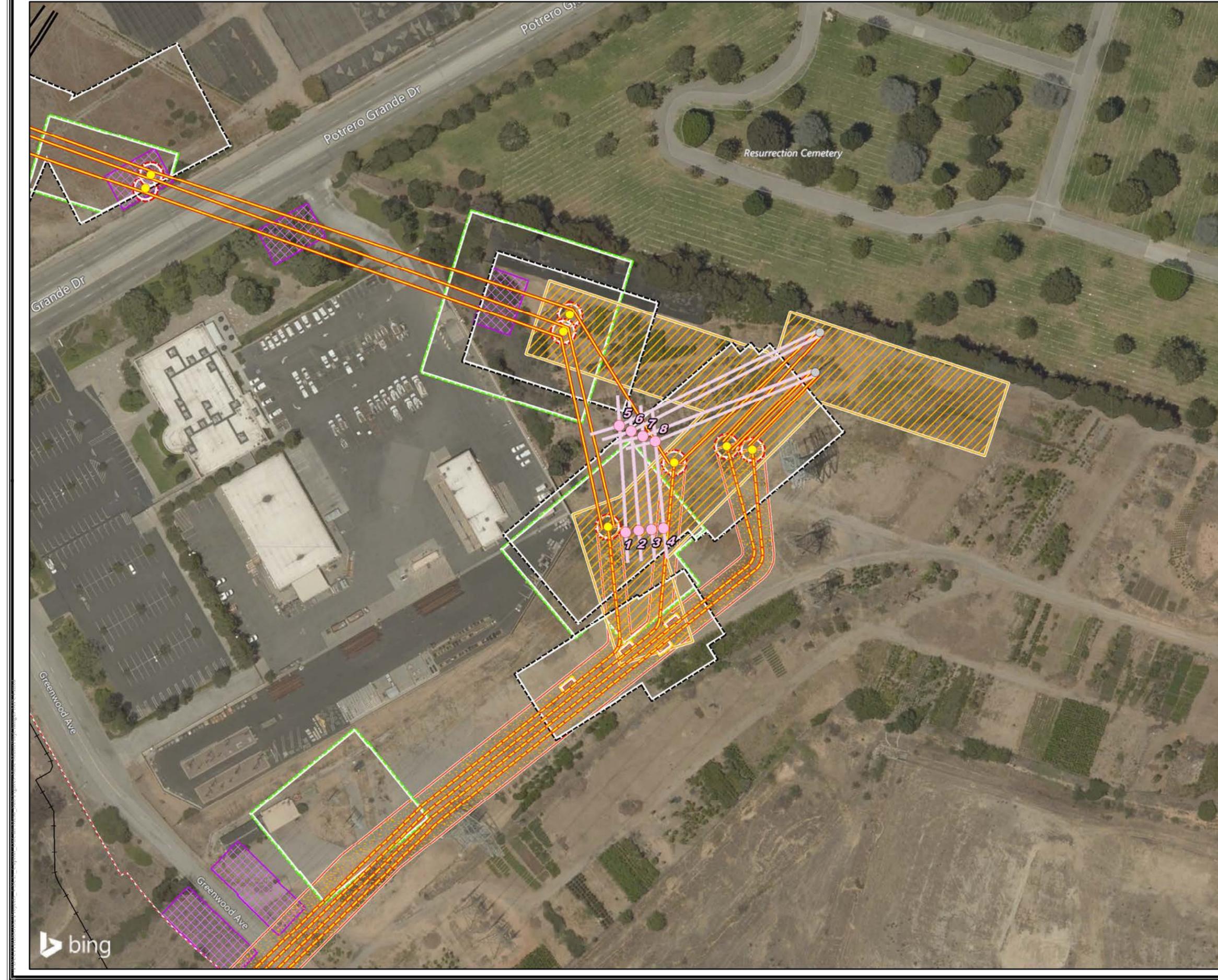
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Project Execution, Major Environmental Projects  
Environmental Services Department  
M. 626-476-6253  
2244 Walnut Grove Avenue, Rosemead, CA 91770



**MESA 500KV SUBSTATION**  
**EIGHT SHOO-FLY POLES IN**  
**NURSERY AREA BEHIND SERVICE CENTER**  
**FOR MINOR PROJECT CHANGE FOUR**

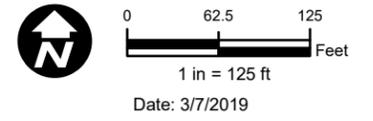
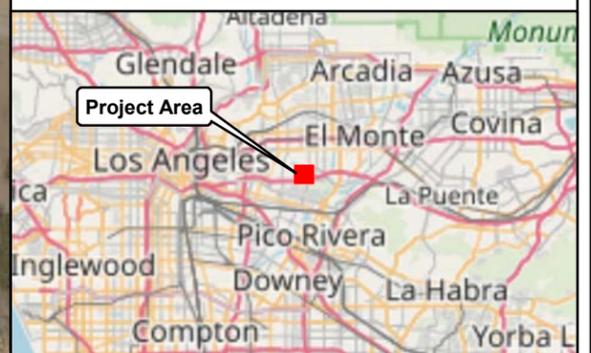
- Legend**
- Existing, 66
  - Proposed, 66
  - Temporary Shoo-Fly Wood Poles, 66
  - Vault

- Conductors**
- Existing, OH
  - Proposed, OH
  - Proposed, UG
  - Temporary, OH

- Construction Areas**
- Construction Work Site
  - Demo Site
  - General Disturbance Area
  - Guard Structure
  - Permanent OM Areas
  - Wire Setup

- Substation Area**
- New Substation Boundary
  - Property Boundary

**REVISED MPC NO. 4**  
**(EIGHT POLES),**  
**APPROVED MARCH 14, 2019**



**MESA 500KV SUBSTATION  
TWELVE SHOO-FLY POLES IN  
NURSERY AREA BEHIND SERVICE CENTER  
FOR MINOR PROJECT CHANGE FOUR**

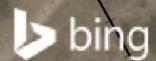
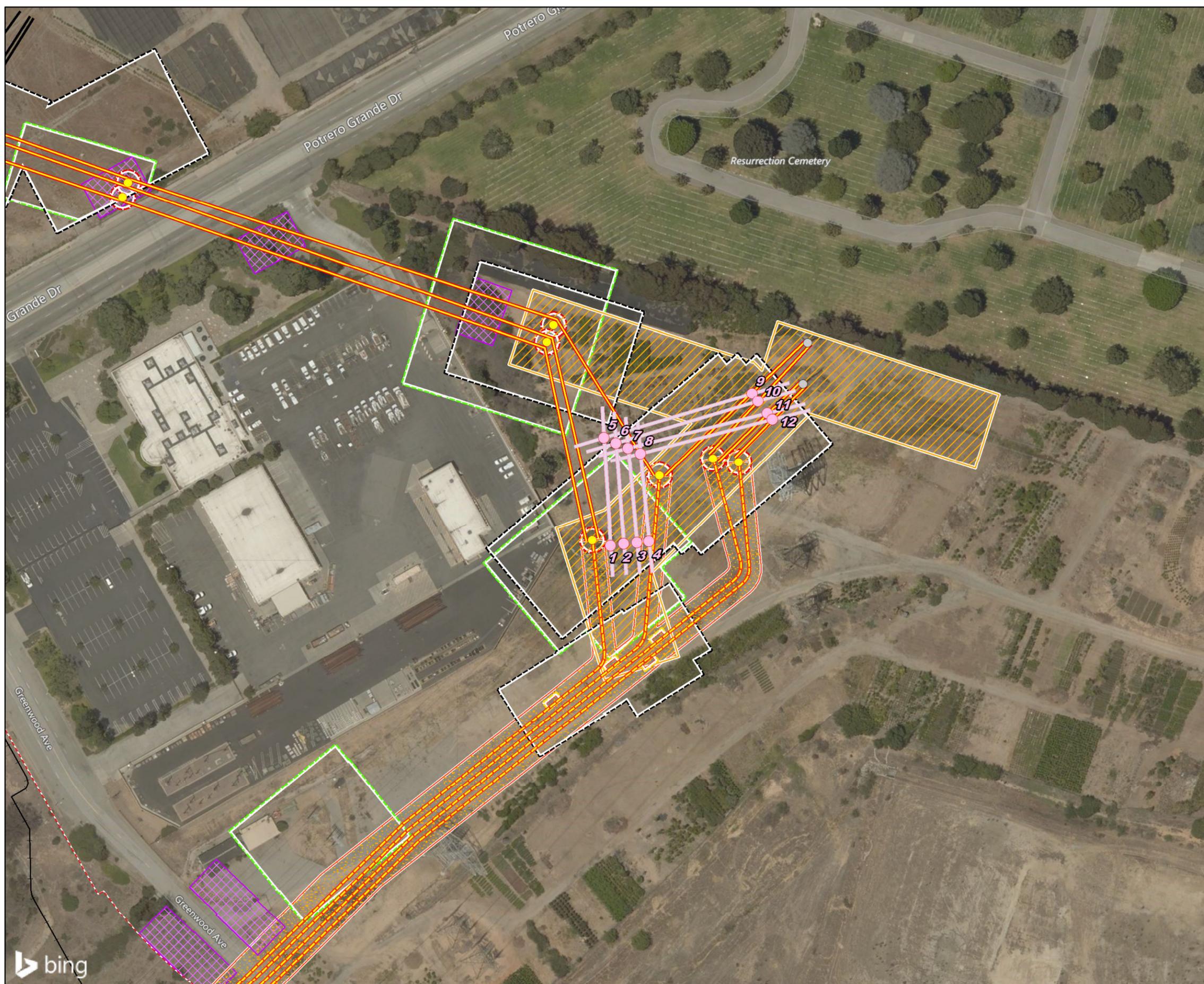
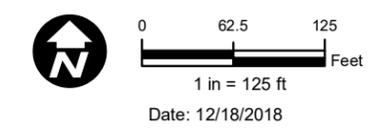
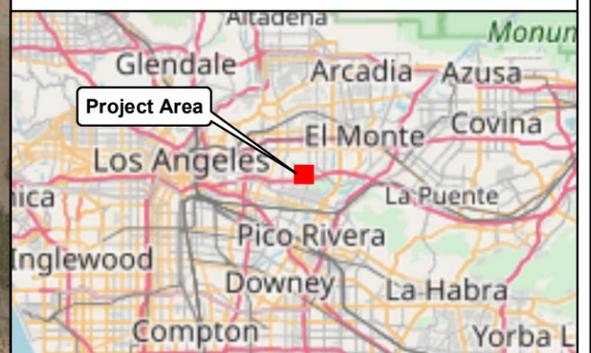
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- Conductors**
- Existing, OH
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  - Proposed, UG
  - Temporary, OH

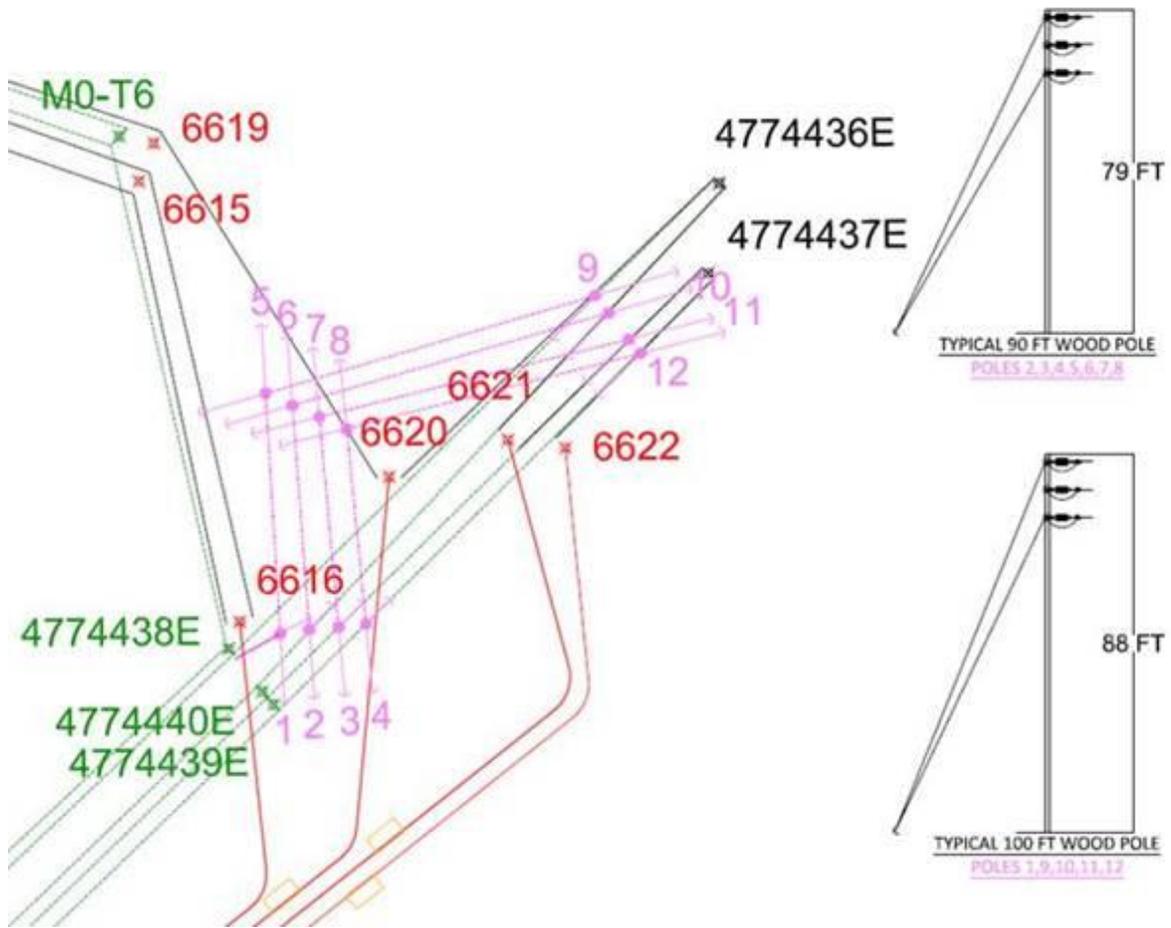
- Construction Areas**
- Construction Work Site
  - Demo Site
  - General Disturbance Area
  - Guard Structure
  - Permanent OM Areas
  - Wire Setup

- Substation Area**
- New Substation Boundary
  - Property Boundary

**ORIGINAL MPC NO. 4  
(TWELVE POLES),  
APPROVED FEBRUARY 8, 2019**



# MPC No. 4 Request Pole Schematics



## PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE  
SAN FRANCISCO, CA 94102-3298



March 15, 2019

Lori Rangel  
Environmental Project Manager  
Southern California Edison  
2244 Walnut Grove Avenue  
Rosemead, CA 91770

**RE: Mesa 500-kV Substation Project – Minor Project Change No. 4 Request: Eight Temporary Wood Poles in Nursery Area**

Dear Ms. Rangel,

On December 20, 2018, Southern California Edison (SCE) submitted Minor Project Change (MPC) No. 4 Request to the California Public Utilities Commission (CPUC) for review. The original proposed MPC would involve the installation of twelve temporary wood poles in previously approved workspaces; the CPUC approved MPC No. 4 on February 8, 2019. Subsequently, on March 12, 2019, SCE submitted a revision to MPC No. 4. Per this revision, only eight of the originally proposed twelve temporary wood poles would be installed (see Attachment 1). The installation would allow SCE to re-route four separate 66-kV circuits, allowing for the safe installation of future Riser Tubular Steel Poles (TSPs) in this general area, and the subsequent installation of the underground cables that will be installed on those TSPs. Installation of the wood poles will reduce the Project's overall schedule and may eliminate the risk of requested outages not being granted due to loading issues.

The Mesa 500-kV Substation Project was evaluated in accordance with the California Environmental Quality Act (CEQA), and an Environmental Impact Report (EIR) was prepared by the CPUC. The CPUC issued a Permit to Construct the Project on February 9, 2017 (Decision 17-02-015). The mitigation measures (MMs) and applicant proposed measures (APMs) described in the EIR were adopted by the CPUC as conditions of Project approval. In August 2017 the CPUC adopted the Mitigation Monitoring, Compliance, and Reporting Plan (MMCRP) to ensure compliance with all APMs and MMs during project implementation.

This letter documents the CPUC's evaluation of all activities covered in the MPC No. 4 Request. The CPUC has carefully reviewed this MPC request, and has verified that the proposed activities adhere to all applicable APM and MM requirements. The evaluation process ensures that all APMs and MMs applicable to the location, and all activities covered in the MPC are implemented, as required in the CPUC's decision. The evaluation process further ensures that the following criteria are met:

- The proposed change does not trigger additional discretionary permit requirements that are not defined in the EIR or MMCRP.

- The proposed change does not increase the severity of an impact or create a new impact, based on the thresholds used in the EIR.
- The proposed change is within the geographic scope of the study area utilized in the EIR.
- The proposed change does not conflict with any APM or MM, and the refinements would not result in a new conflict with any applicable guideline, ordinance, code, rule, regulation, order, decision, statute, or policy not already identified within the IS/MND.

The CPUC has determined that MPC No. 4 meets the above criteria. MPC No. 4 is approved by the CPUC for the proposed activities based on the factors described below.

**SCE MPC No. 4 Request.** Descriptions derived from SCE’s March 12, 2019 revision to the MPC No. 4 Request originally received December 20, 2018, are presented below (indented):

- The proposed MPC would involve the installation of eight temporary wood poles, each with two downguys and anchors.
- Some poles would be approximately 79 feet tall aboveground (plus 11 feet belowground) and others would be approximately 88 feet tall aboveground (plus 12 feet underground) (see Attachment 1).
- The wood poles would be set in two groups of four poles each, with each group separated by roughly 100 feet, and each individual pole within a group located roughly 20 feet apart from each other (see Attachment 1).
- All eight poles would be located within pre-approved workspaces northwest of the nursery.
- The installation will allow SCE to re-route four separate 66-kV circuits, while permanent TSPs are installed in this general area, as well as installation of the underground cables that will be installed on those TSPs.

#### **CPUC Evaluation of MPC No. 4 Request**

The CPUC evaluated SCE’s MPC Request No. 4 and the proposed revision to verify that they fulfill the requirements of the MMCRP. In accordance with the MMCRP, the CPUC reviewed the request to confirm that no new impacts on sensitive resources, or increases in impact severity, would result from the requested MPC activities. The following discussion summarizes this analysis for biological, cultural, paleontological, and other environmental resources, areas as well as aesthetics and visual resources.

#### ***Location of Ground Disturbance Areas***

MPC No. 4 activities would occur entirely within approved temporary work areas in the nursery area behind (east of) the SCE Service Center. Because the poles are temporary and would not result in any permanent ground disturbance, the activities associated with MPC No. 4 would not result in any changes to temporary or permanent impacts acreage, and would not require any additional work area approvals.

#### ***Aesthetics/Visual Impacts***

The eight poles to be installed as part of MPC No. 4 activities would be set back from the nearest street (Potrero Grande Drive), and would be generally shielded from view by the SCE Service Center and by rows of vegetation, as visible in Attachment 1. The poles would not be expected to substantially degrade the surrounding viewshed. Additionally, because the poles would be installed only temporarily, they would not result in any permanent changes to the viewshed.

***Biological, Cultural, Paleontological Resources, and other Environmental Resources***

The ground disturbance areas for all eight poles are located within the applicable Final EIR study areas for sensitive resources, including special status animals and plants, wetlands and other waters, and cultural and paleontological resources. Although special status species (e.g., Cooper's Hawk, Least Bell's Vireo, and Coastal California Gnatcatcher) have been observed intermittently passing through the MPC No. 4 work areas, none of these species have been documented nesting within or adjacent to these work areas. At the time of this MPC No. 4 approval, no active bird nests (special status or non-special status) were documented by SCE's biologists in the vicinity of any of the eight temporary wood poles to be installed. If active nests are observed within the vicinity of the temporary wood poles, appropriate nest buffer distances would be implemented. Similarly, no cultural or paleontological resources have been identified within MPC No. 4 work areas.

The Final EIR documents a man-induced wetland in the vicinity of four of the temporary wood poles (east of Poles 5, 6, 7, and 8; see Attachment 1) that are requested as part of the previously – approved MPC No. 4; however, this wetland was the result of a leaking water pipe from the nearby nursery. This wetland is no longer present because the landowner repaired the leaky pipe in 2017. Installation of the eight temporary wood poles would not result in impacts on wetlands or other hydrological features.

***Permits***

No additional permits or approvals are required for MPC No. 4 activities.

**MPC No. 4 Conditions of Approval**

MPC No. 4 is approved by the CPUC with conditions. The conditions presented below shall be met by SCE and its contractors:

1. All applicable Project MMs, APMs, compliance plans, and permit conditions shall be implemented. Some measures have on-going/time-sensitive requirements and shall be implemented prior to and during construction, where applicable.
2. Copies of all relevant permits, compliance plans, and this MPC, shall be available on site for the duration of construction activities.
5. SCE shall implement all appropriate erosion and sediment control BMPs for the MPC No. 4 refinement area as defined in the SWPPP, and as specified by the Qualified SWPPP Practitioner. Sediment and erosion control BMPs shall be properly maintained throughout the duration of construction activities.
6. All activities (e.g., grading, trenching, etc.) shall be monitored by a CPUC-approved monitors in accordance with the MMCRP, where appropriate.

7. All complaints related to MPC No. 4 activities received by SCE shall be logged and reported immediately to the CPUC. This includes complaints relevant to traffic, as well as lighting, noise, vibration, dust, etc. Where feasible, complaints shall be resolved, depending on the nature of the complaint, through construction site or activity modifications. Complaints or disputes that cannot be modified through construction site or activity modifications shall be resolved through the dispute resolution communications processes described in the MMCRP.

Please contact me if you have any questions or concerns regarding this MPC approval.

Sincerely,

*Connie Chen*

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Connie Chen  
CPUC Project Manager

cc:

Ilja Nieuwenhuizen, E & E Compliance Manager  
Aileen Cole, E & E Deputy Compliance Manager  
Don Dow, SCE Project Manager

Attachment 1: SCE Request to Revise MPC No. 4, with Revision Figure and Pole Schematics

**Attachment 1:**  
**MPC No. 4 Request Figure and Pole Schematics**

March 12, 2019

Connie Chen  
Project Manager  
State of California Public Utilities Commission  
505 Van Ness Avenue  
San Francisco, CA 94102-3298

**Re: Mesa 500-kV Substation Project – Minor Project Change No. 4 Request,  
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Lori Iles-Rangel  
Project Manager, Environmental  
Project Execution, Major Environmental Projects  
Environmental Services Department  
M. 626-476-6253  
2244 Walnut Grove Avenue, Rosemead, CA 91770

**MESA 500KV SUBSTATION  
EIGHT SHOO-FLY POLES IN  
NURSERY AREA BEHIND SERVICE CENTER  
FOR MINOR PROJECT CHANGE FOUR**

**Legend**

- Existing, 66
- Proposed, 66
- Temporary Shoo-Fly Wood Poles, 66

**Vault**

**Conductors**

- Existing, OH
- Proposed, OH
- Proposed, UG
- Temporary, OH

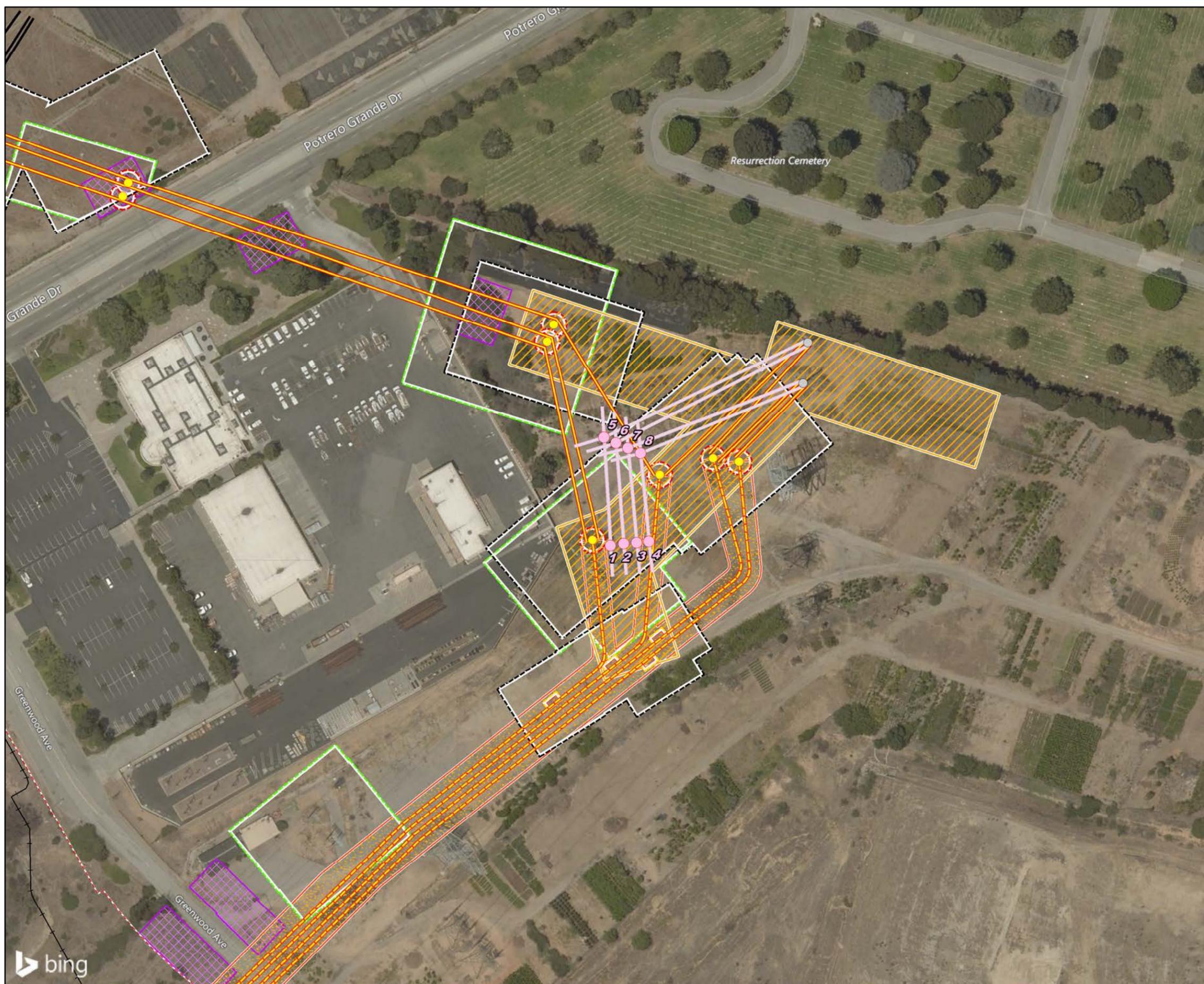
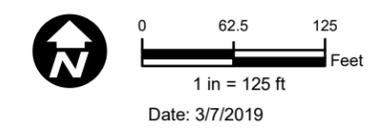
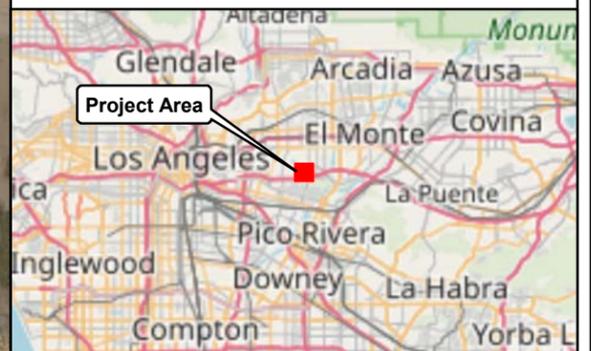
**Construction Areas**

- ▭ Construction Work Site
- ▭ Demo Site
- ▭ General Disturbance Area
- ▭ Guard Structure
- ▭ Permanent OM Areas
- ▭ Wire Setup

**Substation Area**

- ▭ New Substation Boundary
- ▭ Property Boundary

**REVISED MPC NO. 4  
(EIGHT POLES),  
APPROVED MARCH 14, 2019**



**MESA 500KV SUBSTATION  
TWELVE SHOO-FLY POLES IN  
NURSERY AREA BEHIND SERVICE CENTER  
FOR MINOR PROJECT CHANGE FOUR**

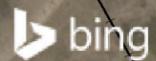
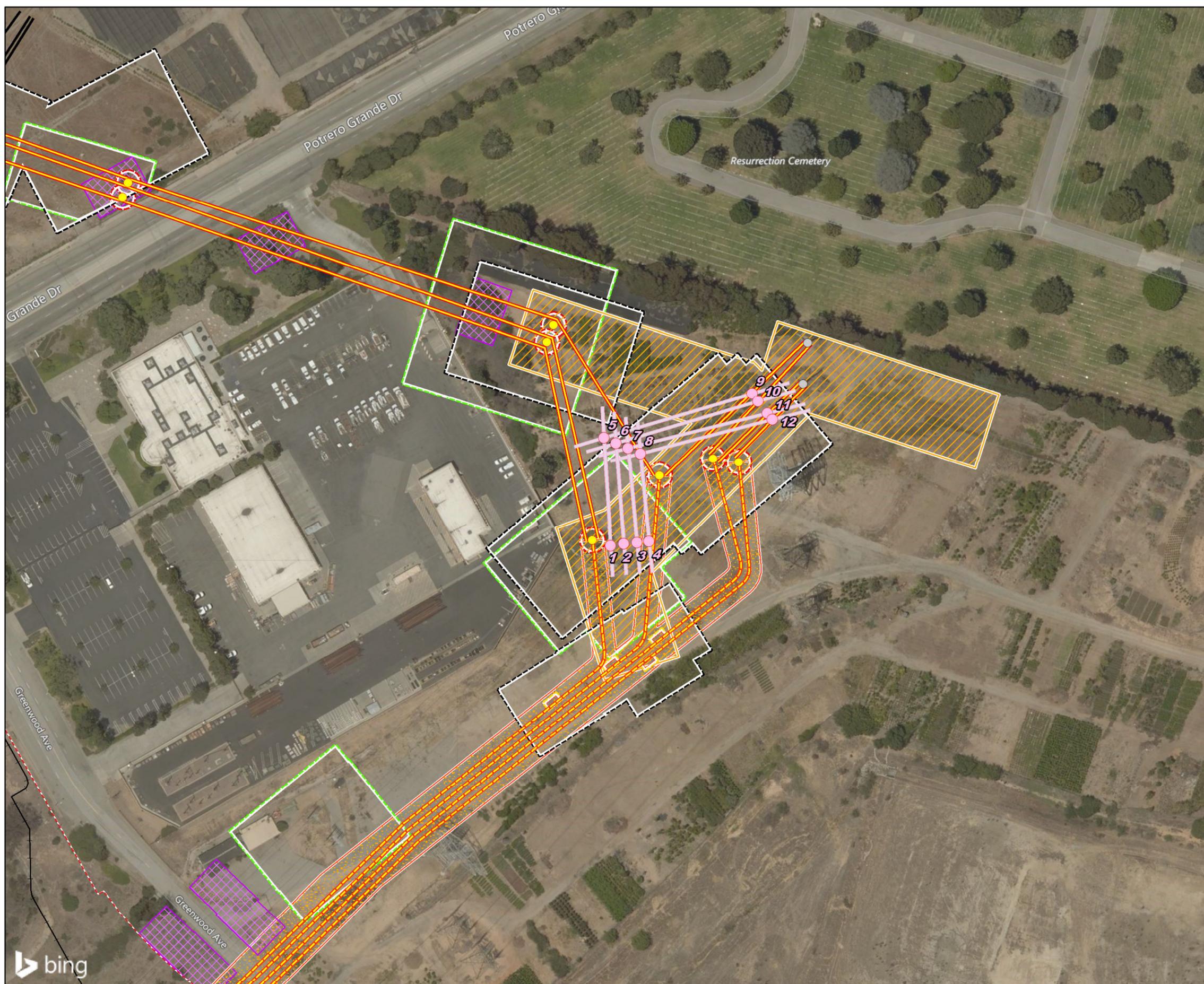
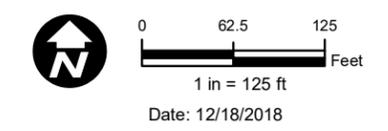
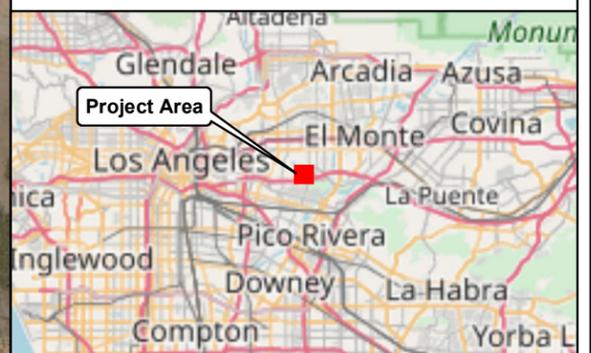
- Legend**
- Existing, 66
  - Proposed, 66
  - Temporary Shoo-Fly Wood Poles, 66
  - Vault

- Conductors**
- Existing, OH
  - Proposed, OH
  - Proposed, UG
  - Temporary, OH

- Construction Areas**
- Construction Work Site
  - Demo Site
  - General Disturbance Area
  - Guard Structure
  - Permanent OM Areas
  - Wire Setup

- Substation Area**
- New Substation Boundary
  - Property Boundary

**ORIGINAL MPC NO. 4  
(TWELVE POLES),  
APPROVED FEBRUARY 8, 2019**



# MPC No. 4 Request Pole Schematics

