Valley – Ivyglen Subtransmission Project
CPUC Minor Project Refinement Form

Minor project refinements *are strictly limited to changes that will not trigger an additional permit requirement (except local government ministerial permits and associated requirements), do not substantially increase the severity of a previously identified significant impact based on criteria used in the FEIR, create a new significant impact, are located within the geographic boundary of the study area of the FEIR, and that don't conflict with any mitigation measure or applicable law or policy.*

Date Requested: 07/16/2020

Report No.: [CPUC Compliance Manager fills in]

Date Approved: [date CPUC Compliance Manager sends the approved form back to applicant]

Approval Agency: N/A

Anticipated Start Date for Proposed Action: 8/18/2020

Anticipated End Date for Proposed Action: 3/01/2022

Property Owner(s): SCE easements over private property and Public Right of Way

Location/Milepost: Multiple locations throughout Segments VIG1-VIG3 as described below.

Land Use/Vegetative Cover: Various; as described in attached biological report.

Sensitive Resources: Riversidean sage scrub and disturbed Riversidean sage scrub as described in attached biological report.

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

Describe the proposed minor Project refinement, including how project refinement deviates from current project and an explanation for why the refinements are necessary:

Proposal to Expand the Boundaries of the General Disturbance Area:
According to Section 2.4.2.3 of the FEIR, the total general disturbance area analyzed for the Valley-Ivyglen 115-kV Project was intended to be large enough to ensure flexibility during construction and final siting of the proposed 115-kV facilities. Nevertheless, at several locations, work areas, or portions of work areas necessary to perform the work are outside of the general disturbance area for the Project as depicted in the biological resource maps (Attachment A) and described in Tables 1–3. We propose to expand the general disturbance area so that the work described in Section 2.3.1.1 of the FEIR can be performed within work areas of the size identified in Table 2-5 of the FEIR as being necessary to construct the project components.

Proposal for Additional Access Roads to Structures 129E and 131E:
NTPR-1 proposed access roads to 129E and 131E that would provide long-term accessibility needed by SCE for maintenance of the structures. However, the proposed routes traverse rough terrain that is unpassable

until the roads are constructed. We propose additional access roads at 129E (Figure 2) and 131E (Figure 3) that would allow construction crews to access the site prior to the completion of the engineered access roads in order to facilitate structure installation. Proposed access roads fall within the general disturbance area.

Describe the dimensions and area of any additional work areas and land disturbance associated with the proposed refinements. Include/attach photos, maps, or other documentation illustrating the existing conditions in the area:

Expand Boundaries of General Disturbance Area:
The proposed expansion of the general disturbance area would encompass 6.23 acres of work area in Segments VIG1, VIG2, and VIG3. The locations, dimensions, and activities to occur at each site is provided in Table 1–3 and are included in the biological resources maps (Attachment A). Most work areas would be used for the setup and operation of equipment, but would also include land disturbances for road improvements, guy anchor installation, and pole installation.

Land disturbance would include approximately 510/394 square feet of permanent/temporary impacts for the installation of a gabion basket wet-crossing in VIG1 (Figure 1), 37 square feet of temporary impacts for a new road in VIG2, and 47.1 square feet of permanent impacts for 14 LWS poles and one wood stub pole in VIG3 (Table 4).

Following the completion of all construction, sites would be restored/reclaimed in accordance with the Project SWPPPs, Project Commitment D, and the VIG Habitat Restoration and Revegetation Plan.

Environmental impact analysis for use of the above described areas was conducted as part of this MPR and is provided in the attached biological (Attachment A), cultural (Attachment B), and paleontological reports (Attachment C).

Figure 1. Example of a Gabion Basket Wet-Crossing Proposed for VIG.

Table 1: VIG1 Areas to be Added to General Disturbance Area

Segment	Pole / Feature Name	Nearest Structure	Latitude	Longitude	Description	Activity
VIG1	Gabion Basket	092E	33.73679	-117.2239	~100' northwest of 092E. ~930 square feet of ground disturbance associated with installation of an erosion control gabion basket wet-crossing on access road ~90' west of Goetz Road	Improvement of road for future SCE maintenance
VIG1	P1	160E	33.74142	-117.28207	~115 north of 160E. Wood pole with 35' X 35' Work Area along Hwy 74 and associated 25' X 25' anchor Work Area.	Reconductor distribution pole. New anchor for pole stability.

Table 2: VIG2 Areas to be Added to General Disturbance Area

Segment	Pole / Feature Name	Nearest Structure	Latitude	Longitude	Description	Activity
VIG2	2014507E	171E	33.73845	-117.28466	~110' northwest of 171E. Wood pole with an approximately 35' X 35' Work Area located northeast of an unnamed ephemeral stream and associated 25' X 25' anchor Work Area on south side of the unnamed ephemeral stream.	Reconductor distribution tap. New anchor for pole stability.
VIG2	4234540E	179E	33.73511	-117.28757	~395' west of 179E. Wood pole with 35' X 35' Work Area located at the west end of storage area for a commercial business and associated 25' X 25' anchor Work Area.	Reconductor distribution tap. New anchor for pole stability.
VIG2	2206560E	181E	33.7342	-117.28539	~400' southeast of 181E. Wood pole with 35' X 35' Work Area and associated 25' X 25' anchor Work Area.	Reconductor distribution tap. New anchor for pole stability.
VIG2	STUB	188E	33.73189	-117.28974	~100' northwest of 188E. Wood pole with 35' X 35' Work Area and associated 25' X 25' anchor Work Area.	Support for reconductored tap line being upgraded. New anchor for pole stability.
VIG2	4469144E	188E	33.73146	-117.2887	~250' southwest of 188E. Wood pole with 35' X 35' Work Area	Reconductor distribution tap.
VIG2	P1	189E	33.73193	-117.29036	~250' northwest of 189E. Wood pole with 35' X 35' Work Area and associated 25' X 25' anchor Work Area.	Reconductor distribution tap. New anchor for pole stability.
VIG2	SEC_COMM	209E	33.7218	-117.29497	~100' northwest of 209E. Wood pole with 35' X 35' Work Area.	Interset communication pole, to allow clearance for new telecom
VIG2	P1	212E	33.7212	-117.29577	~180' northwest of 212E. Wood pole with 35' X 35' Work Area and associated 25' X 25' anchor Work Area.	Reconductor distribution tap. New anchor for pole stability.
VIG2	4492456E	216E	33.71933	-117.29718	~110' northwest of 216E. Wood pole with 35' X 35' Work Area adjacent to Peach Street and associated 25' X 25' anchor Work Area.	Reconductor distribution tap. New anchor for pole stability.
VIG2	P2	234E	33.7151	-117.30494	~130' northwest of 234E. Wood pole with 35' X 35' Work Area.	Reconductor distribution tap.

VIG2	Access road disturbance area	236E	N/A	N/A	~37 square feet of ground disturbance area associated with the Level 2 road to 236E.	Improvement of road for future SCE maintenance
VIG2	4364262E	237E	33.71451	-117.30661	~170' northwest of 237E. Wood pole with 35' X 35' Work Area and associated 25' X 25' anchor Work Area	Reconductor distribution tap. New anchor for pole stability.
VIG2	4648631E	242E	33.71306	-117.30925	~180' northwest of 242E. Wood pole with 35' X 35' Work Area and associated 25' X 25' anchor Work Area.	Reconductor distribution tap. New anchor for pole stability.

Table 3: VIG3 Areas to be Added to General Disturbance Area

Segment	Pole / Feature Name	Nearest Structure	Latitude	Longitude	Description	Activity
VIG3	302E	302E	33.69829	-117.33098	~1,245 square feet of Work Area for 302E.	Work area for 115 kV structure.
VIG3	305E	305E	33.69764	-117.33019	~6,259 square feet of Work Area for 305E.	Work area for 115 kV structure.
VIG3	Pull Site	305E	N/A	N/A	~275 square feet of Pull Site located southwest of 305E.	Wire pulling site.
VIG3	Guard Area	305E	N/A	N/A	~2,260 square feet of Guard Area located between 305E and 306E at the intersection of Conard Avenue and Allan Street.	Install guards to protect public during wire stringing.
VIG3	306E	306E	33.69736	-117.32983	~7,450 square feet of Work Area for 306E.	Work area for 115 kV structure.
VIG3	307E	307E	33.69709	-117.32949	~7,450 square feet of Work Area for 307E.	Work area for 115 kV structure.
VIG3	Guard Area	308E	N/A	N/A	~3,754 square feet of Guard Area located between 307E and 308E at the intersection of Conard Avenue and Welch Street.	Install guards to protect public during wire stringing.
VIG3	308E	308E	33.6968	-117.32911	~7,450 square feet of Work Area for 308E.	Work area for 115 kV structure.
VIG3	4523252E	308E	33.69648	-117.32894	~50' southwest of 308E. Wood pole with 35' X 35' Work Area and associated 25' X 25' anchor Work Area.	Reconductor Distribution Tap
VIG3	309E	309E	33.69658	-117.32883	~7,450 square feet of Work Area for 309E.	Work area for 115 kV structure.
VIG3	SERV	309E	33.69615	-117.32856	~80' south of 309E. Wood pole with 35' X 35' Work Area.	Reconductor Distribution Tap
VIG3	310E	310E	33.69635	-117.32854	~7,450 square feet of Work Area for 310E.	Work area for 115 kV structure.
VIG3	312E	312E	33.69592	-117.32799	~7,450 square feet of 70' X 150' Work Area for 312E.	Work area for 115 kV structure.
VIG3	SERV	312E	33.69576	-117.32807	~60' southwest of 312E. Wood pole with 35' X 35' Work Area and associated 25' X 25' anchor Work Area.	Reconductor Distribution Service
VIG3	Guard Area	313E	N/A	N/A	~940 square feet of Guard Area located between 312E and 313E at the intersection of Conard Avenue and 3rd Street.	Install guards to protect public during wire stringing.
VIG3	Pull Site	313E	N/A	N/A	~3,480 square feet of Pull Site located on 3rd Street near the intersection with Conard Avenue.	Wire pulling site.
VIG3	313E	313E	33.69557	-117.32754	~7,480 square feet of Work Area for 313E.	Work area for 115 kV structure.
VIG3	314E	314E	33.69525	-117.3279	~7,450 square feet of Work Area for 314E.	Work area for 115 kV structure. Install LWS pole.

VIG3	315E	315E	33.69491	-117.32828	~7,450 square feet of Work Area for 315E.	Work area for 115 kV structure. Install LWS pole.
VIG3	316E	316E	33.69459	-117.32864	~7,450 square feet of Work Area for 316E.	Work area for 115 kV structure. Install LWS pole.
VIG3	SERV	316E	33.69423	-117.32864	~140' south of 316E. Wood pole with 35' X 35' Work Area and associated 25' X 25' anchor Work Area.	Reconductor distribution tap.
VIG3	317E	317E	33.69422	-117.32905	~7,450 square feet of Work Area for 317E.	Work area for 115 kV structure. Install LWS pole.
VIG3	318E	318E	33.69391	-117.3294	~7,450 square feet of Work Area for 318E.	Work area for 115 kV structure. Install LWS pole.
VIG3	319E	319E	33.69356	-117.32979	~7,450 square feet of Work Area for 319E.	Work area for 115 kV structure. Install LWS pole.
VIG3	SERV	319E	33.69368	-117.32994	~65' northwest of 319E. Wood pole with 35' X 35' Work Area and associated 25' X 25' anchor Work Area.	Reconductor distribution tap.
VIG3	320E	320E	33.69318	-117.33021	~7,450 square feet of Work Area for 3120.	Work area for 115 kV structure. Install LWS pole.
VIG3	STUB	321E	33.69298	-117.33063	~65' north of 321E. Wood pole with 35' X 35' Work Area and associated 25' X 25' anchor Work Area.	Install wood stub pole
VIG3	4114484E	321E	33.69297	-117.33095	~110' northwest of 321E. Wood pole with 35' X 35' Work Area and associated 25' X 25' anchor Work Area.	Reconductor distribution tap.
VIG3	211826S	321E	33.69247	-117.32997	~235' southeast of 321E. Wood pole with 35' X 35' Work Area and associated 25' X 25' anchor Work Area.	Reconductor distribution tap.
VIG3	321E	321E	33.69279	-117.33065	~7,450 square feet of Work Area for 321E.	Work area for 115 kV structure. Install LWS pole.
VIG3	322E	322E	33.69253	-117.33094	~7,450 square feet of Work Area for 322E.	Work area for 115 kV structure. Install LWS pole.
VIG3	323E	323E	33.69221	-117.33129	~7,450 square feet of Work Area for 323E.	Work area for 115 kV structure. Install LWS pole.
VIG3	SERV	323E	33.69207	-117.33098	~105' southeast of 323E. Wood pole with 35' X 35' Work Area and associated 25' X 25' anchor Work Area.	Reconductor distribution tap.
VIG3	324E	324E	33.69187	-117.33168	~7,450 square feet of Work Area for 324E.	Work area for 115 kV structure. Install LWS pole.
VIG3	325E	325E	33.69152	-117.33206	~7,450 square feet of Work Area for 325E.	Work area for 115 kV structure. Install LWS pole.
VIG3	326E	326E	33.6912	-117.33242	~7,450 square feet of Work Area for 326E.	Work area for 115 kV structure. Install LWS pole.
VIG3	327E	327E	33.6909	-117.33276	~7,450 square feet of Work Area for 327E.	Work area for 115 kV structure. Install LWS pole.
VIG3	328E	328E	33.69058	-117.33311	~1,830 square feet of Work Area for 328E.	Work area for 115 kV structure.
VIG3	330E	330E	33.69036	-117.33336	~5,430 square feet of Work Area for 330E.	Work area for 115 kV structure.
VIG3	Pull Site	331E	N/A	N/A	~6,290 square feet of Pull Site located on 3rd Street across the intersection with Dexter Avenue.	Wire pulling site.

VIG3	331E	331E	33.69017	-117.33387	~230 square feet of Work Area for 331E.	Work area for 115 kV structure.
VIG3	333E	333E	33.68965	-117.33446	~15,380 square feet of Work Area for 333E.	Work area for 115 kV structure.
VIG3	Guard Area	333E	N/A	N/A	~16,320 square feet of Guard Area located between 333E and 334E across the I-15 freeway.	Install guards to protect public during wire stringing.
VIG3	334E	334E	33.68884	-117.33541	~8,500 square feet of Work Area for 334E.	Work area for 115 kV structure.
VIG3	Pull Site	334E	N/A	N/A	~5470 square feet of Pull Site area located between 334E and 335E.	Wire pulling site.
VIG3	335E	335E	33.6885	-117.33577	~390 square feet of Work Area for 335E.	Work area for 115 kV structure.
VIG3	336E	336E	33.68813	-117.33615	~2,080 square feet of Work Area for 336E.	Work area for 115 kV structure.
VIG3	Pull Site	336E	N/A	N/A	~5,875 square feet of Pull Site extending from the Work Area of 336E across Collier Avenue.	Wire pulling site.

Additional Access Roads to Structures 129E and 131E:

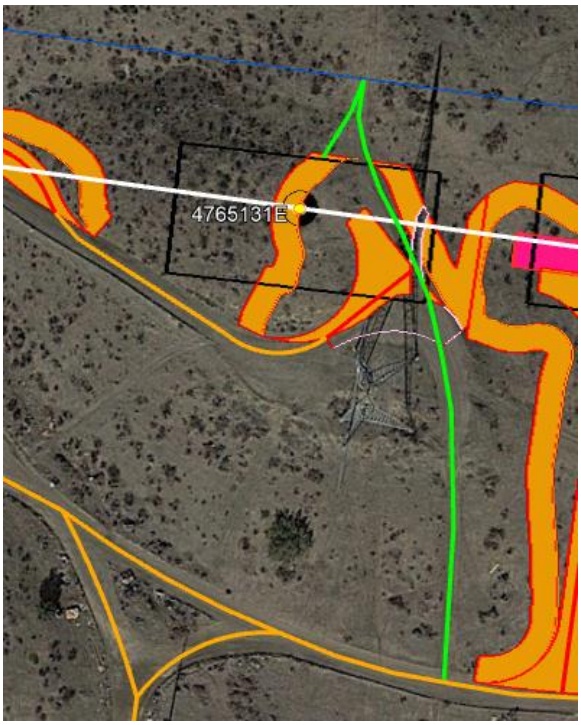
The additional access road (green line) for Structure 129E (Figure 2) is located within the general disturbance area. The proposed path would allow construction equipment to back up approximately 297 feet on an existing two-track road to the east side and north of the work area for 129E and then move forward for approximately 45 feet of overland travel to re-enter the work area from the north. This road would consist of drive and crush only, resulting in 4,104 square feet of temporary ground disturbance. No road improvement or design is necessary, and no vegetation clearing, or grubbing would occur. Following the completion of all construction, the temporary access road would be restored/reclaimed in accordance with the Project SWPPPs, Project Commitment D, and the VIG Habitat Restoration and Revegetation Plan.

Figure 2. Proposed Additional Access to Structure 129E.

The additional access road (green line) for Structure 131E (Figure 3) is located within the general disturbance area. The proposed path would allow construction equipment to back up approximately 353

feet on an existing access road to the east side and north of the work area for 131E, and then move forward for approximately 51 feet of overland travel to re-enter the work area from the north. This road would consist of drive and crush only, resulting in 4,848 square feet of temporary ground disturbance. No road improvement or design is necessary, and no vegetation clearing, or grubbing would occur. Following the completion of all construction, the temporary access road would be restored/reclaimed in accordance with the Project SWPPPs, Project Commitment D, and the VIG Habitat Restoration and Revegetation Plan.

Figure 3. Proposed Additional Access to Structure 131E.



The two newly proposed access roads are within the survey area included in the environmental impact analyses in the attached biological (Attachment A), cultural (Attachment B), and paleontological reports (Attachment C).

Summary of Proposed Land Disturbance:

Temporary and permanent disturbance areas associated with MPR 002 are shown in Table 4. The quantity and dimensions of MPR 002 disturbance areas are consistent with what is described in Table 2-5 of the FEIR. Section 2.4.2.1 of the FEIR states that construction of VIG would disturb approximately 633.7 acres of land, including approximately 141.5 acres of permanent disturbance. Total impacts for all VIG NTPRs/MPRs are anticipated to be below the quantities given in the FEIR, if quantities in future NTPRs/MPRs exceed the FEIR, an explanation of significance will be provided.

Table 4: Disturbances Associated with MPR 002

Feature	Number of Miles	Temporary Impact Total	Permanent Impact Total
Level 1 Road Improvement	0.14	0.21 ac (8,952 sq ft)	--
Level 2 Road Improvement	0.0	0.0008 (37 sq ft)	
Temporary Work Areas	--	6.23 ac (271,378 sq ft)	--
LWS or Wood Pole, New	--	--	0.0011 ac (47 sq ft)
Gabion Basket, New	--	0.0090 (394 sq ft)	0.0117 ac (510 sq ft)
Total	**0.14**	**6.44 ac (280,761 sq ft)**	**0.0128 ac (557 sq ft)**

Provide a summary list of applicable Project requirements (e.g., MMs, etc.) for which the refinements are being requested:
No refinements to the Project requirements are being requested. The existing Project requirements will be followed, as applicable, for the newly requested area.

Would the proposed refinements conflict with any of the above-listed MMs or other Project requirements or applicable laws, regulations, or policies?	**No**	**Yes**
Explain proposed refinements consistency/inconsistency with applicable Project requirements below.	☒	☐
The proposed refinements do not conflict with any of the project commitments or mitigation measures listed in FEIR Section 9 Mitigation Monitoring, Compliance, and Reporting Plan (Appendix C).		

Would the Proposed Project refinements result in a new impact, or increase the severity of a previously analyzed impact on:	No	Yes
Aesthetics (e.g. damage scenic resources or vistas, degrade the existing visual character of the site and its surroundings, or create sources of light or glare)?	☒	☐

Summary of Proposed Project Refinement Impacts on Aesthetics:

The proposed expanded general disturbance area and the work to be conducted within it are consistent with the descriptions provided in Sections 2.3.1.1, 2.3.1.3, and Table 2-5 of the FEIR.

The addition of access roads to Structures 129E and 131E is consistent with Section 2.3.1.3 of the FEIR, which states that "The new access roads could be located anywhere within the Valley-Ivyglen 115-kV General Disturbance Area…".

Aesthetic impacts associated with these refinements do not create a new significant impact or a substantial increase in the severity of a previously identified impact identified in Section 4.1.4.2 of the FEIR. All applicable avoidance/minimization measures identified in FEIR Chapter 9 Mitigation Monitoring, Compliance, and Reporting Plan would be followed.

Agriculture and Forestry (e.g. convert farmland to non-agricultural use, or forest land to non-forest use, or create a conflict with existing agricultural zoning or a Williamson Act)?	☒	☐

Summary of Proposed Project Refinement Impacts on Agriculture and Forestry:

The proposed expanded general disturbance area, work areas, and access roads to Structures 129E and 131E are not located on land designated as farmland or forest. Impacts to agriculture and forestry associated with this refinement do not create a new significant impact or a substantial increase in the severity of a previously identified impact identified in Section 4.2.4.2 of the FEIR. All applicable avoidance/minimization measures identified in FEIR Chapter 9 Mitigation Monitoring, Compliance, and Reporting Plan would be followed.

Air Quality (e.g. violate any air quality standard, or produce criteria air pollutant emissions, or expose sensitive receptors to addition pollutants)?	☒	☐

Summary of Proposed Project Refinement Impacts on Air Quality:

Activities occurring at the proposed locations and the types of equipment used are consistent with the activities described in Sections 2.3.1.1 and 2.3.1.3 of the FEIR. Impacts to air quality associated with this refinement do not create a new significant impact or a substantial increase in the severity of a previously identified impact identified in Section 4.3.4.2 of the FEIR. All applicable avoidance/minimization measures identified in FEIR Chapter 9 Mitigation Monitoring, Compliance, and Reporting Plan would be followed.

Biological Resources (e.g. have an adverse effect on sensitive or special-status species; impact riparian, wetland, or any other sensitive habitat; or interfere with the movement of native resident or migratory fish or wildlife)?	☒	☐

Previous Biological Survey Report Reference:

The proposed work areas were included in previous biological surveys for the FEIR, as described in the biological report (Attachment A).

Summary of Proposed Project Refinement Impacts on Biological Resources:

The work areas do not overlap with wetlands or waterways; no amendments to the waters permits would be needed. Five of the proposed VIG2 work areas occur within or partially within Riversidean sage scrub (RSS)/disturbed Riversidean sage scrub: Guy anchor work area for 2014507E, Stub pole near 188E, P1 pole and guy anchor work area near 189E, Guy anchor work area for 4492456E, and pole work area and guy anchor area for 4648646E. In accordance with MM BR-5, removal of Riversidean sage scrub habitat would not occur during the coastal California gnatcatcher breeding season. Following the completion of all construction, the temporary access road would be restored/reclaimed in accordance with the Project SWPPPs, Project Commitment D, and the VIG Habitat Restoration and Revegetation Plan.

Indirect impacts that may occur to sensitive species in the vicinity of the proposed work areas would be mitigated in accordance with the Project Commitments and Mitigation Measures. The proposed work areas have coverage under the WR-MSHCP certificate of inclusion for Phase 1. The proposed work areas are covered under the Stephens' kangaroo rat Habitat Conservation Plan as depicted in the biological resource maps (Attachment A). All applicable avoidance/minimization measures identified in FEIR Chapter 9 Mitigation Monitoring, Compliance, and Reporting Plan would be followed.

Cultural Resources (e.g. cause an adverse change to a significant historical, archeological, paleontological, or tribal resource or disturb any human remains)?	☒	☐

Summary of Proposed Project Refinement Impacts on Cultural Resources:

The proposed refinements were included in the cultural and paleontological resource analyses were analyzed in addendum reports (Attachments B & C). There are no new sensitive archaeological or paleontological resources located at the proposed work areas based on survey results. Cultural and tribal

monitoring would be conducted in accordance with the CRMTP. Paleontological monitoring, spot checking, and fossil recovery would be implemented for excavations at the proposed work areas in accordance with the Project's PRMP. If a resource is found at the site, SCE would comply with the procedures for unanticipated discoveries provided in MMs CR-1b, CR-4, CR-5, CR-7, the CRMTP, and the PRMP. Impacts to cultural resources associated with this refinement do not create a new significant impact or a substantial increase in the severity of a previously identified impact identified in the FEIR (Attachment B, Cultural Resources Report and Attachment C, Paleontological Resources Report). All applicable avoidance/minimization measures identified in FEIR Chapter 9 Mitigation Monitoring, Compliance, and Reporting Plan would be followed.

Geology, Soils, and Seismicity (e.g. expose people or structures to risk of loss, injury, or death involving seismic-related ground failure including liquefaction or landslides, be located on a geologic unit, unstable soil, or expansive soil)?	☒	☐

Summary of Proposed Project Refinement Impacts on Geology, Soils, and Seismicity:
Erosion would be controlled at locations of earth disturbance through the implementation and adherence to the Project linear SWPPP. Following the completion of all construction, sites would be restored/reclaimed in accordance with the Project SWPPPs, Project Commitment D, and the VIG Habitat Restoration and Revegetation Plan.

Impacts to geology, soils, and seismicity associated with this refinement do not create a new significant impact or a substantial increase in the severity of a previously identified impact identified in Section 4.6.4.2 FEIR. All applicable avoidance/minimization measures identified in FEIR Chapter 9 Mitigation Monitoring, Compliance, and Reporting Plan would be followed.

Greenhouse Gas Emissions (e.g. generate a substantial amount of greenhouse gas [GHG] emissions, conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing emissions or GHGs)?	☒	☐

Summary of Proposed Project Refinement Impacts on Greenhouse Gas Emissions:

Activities occurring at the proposed locations and the types of equipment used are consistent with the activities described in Sections 2.3.1.1 and 2.3.1.3 of the FEIR. The type and quantity of construction equipment would be the same as identified in NTPR-1; the areas requested do not require the use of additional equipment. In compliance with MM AQ-1, NOX and PM emissions from off-road diesel-powered construction equipment would be minimized to the extent feasible by using Tier 4 interim or Tier 4 Standards for equipment with engines greater than 150 horsepower. Per MM AQ-2, daily emissions of equipment would be tracked to ensure NOX emissions stay within the NOX Regional Clean Air Incentive Market Trading Credits (RTCs) purchased for the Project.

Impacts to greenhouse gas emissions associated with this refinement do not create a new significant impact or a substantial increase in the severity of a previously identified impact identified in Section 4.7.4.2 FEIR. All applicable avoidance/minimization measures identified in FEIR Chapter 9 Mitigation Monitoring, Compliance, and Reporting Plan would be followed.

Hazards and Hazardous Materials (e.g. create hazards to public or environment through transport, use, disposal, or accident conditions of hazardous materials, be located on a site of hazardous materials, or expose people and structures to loss, injury of death involving wildland fires)?	☒	☐

Summary of Proposed Project Refinement Impacts on Hazards and Hazardous Materials:

Activities occurring at the proposed locations are consistent with the activities described in Sections 2.3.1.1 and 2.3.1.3 of the FEIR. All proposed locations are within the 1,000-foot corridor evaluated for solid waste disposal sites, Cease and Desist Orders, or Cleanup and Abatement orders per Section 4.8.1.1 of the FEIR. Planned ground-disturbing activities includes excavating, including drilling of holes for LWS pole installation. In the event of an inadvertent discovery, SCE would follow the procedures in Project's Contaminated Soil and Groundwater Contingency Plan. Proposed work areas in VIG2 are located within a Very High Fire Hazard Zone. Fire danger mitigation would be implemented in accordance with the Project Emergency Action Plan and Fire Control and Emergency Response Plan. Impacts to hazards and hazardous materials associated with this refinement do not create a new significant impact or a substantial increase in the severity of a previously identified impact identified in Section 4.8.4.2 of the FEIR. All applicable avoidance/minimization measures identified in FEIR Chapter 9 Mitigation Monitoring, Compliance, and Reporting Plan would be followed.

Hydrology and Water Quality (e.g. violate water quality standards or discharge waste requirements, alter the existing drainage pattern creating additional sedimentation, runoff water, or polluted runoff, or inundate by seiche, tsunami, or mudflow)?	☒	☐

Summary of Proposed Project Refinement Impacts on Hydrology and Water Quality:

The proposed refinements are located within the Santa Ana Watershed and outside of the Elsinore and San Jacinto Groundwater Basins. The proposed work areas are not located within a flood zone. Most of the proposed work areas are located away from surface water bodies. The work area for distribution pole 2014507E and the associated guy anchor work area are adjacent to an ephemeral streambed. Erosion that could affect water quality would be controlled at locations of earth disturbance through the implementation and adherence to the Project linear SWPPP. If stained or odorous soil is found during excavating, SCE would follow the procedures in Project's Contaminated Soil and Groundwater Contingency Plan. Dewatering, if necessary, would be performed in accordance with the Project linear SWPPP.

Impacts to hydrology and water quality associated with this refinement do not create a new significant impact or a substantial increase in the severity of a previously identified impact identified in Section 4.9.4.2 of the FEIR. All applicable avoidance/minimization measures identified in FEIR Chapter 9 Mitigation Monitoring, Compliance, and Reporting Plan would be followed.

Land Use and Planning (e.g. physically divide an established community; conflict with a land use plan, policy, or regulation of an agency with jurisdiction over the project, or conflict with a habitat conservation plan)?	☒	☐

Summary of Proposed Project Refinement Impacts on Land Use and Planning:

The land use would remain unchanged at proposed locations where existing poles would be modified or replaced. Installation of new poles or guy anchors is consistent with the activities described in Section 2.3.1.1 and Table 2-1 of the FEIR. Impacts to land use and planning associated with this refinement do not create a new significant impact or a substantial increase in the severity of a previously identified impact identified in Section 4.10.4 of the FEIR. All applicable avoidance/minimization measures identified in FEIR Chapter 9 Mitigation Monitoring, Compliance, and Reporting Plan would be followed.

Mineral Resources (e.g. result in the loss of known mineral resources of regional and/or state value, or availability of locally-important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan)?	☒	☐

Summary of Proposed Project Refinement Impacts on Mineral Resources:

The proposed work areas are located in Mineral Resource Zone (MRZ) 3 indicating a likely but undetermined significant mineral resource. The proposed permanent structures, including LWS poles, wood poles, and a gabion basket would impact the ability to recover mineral resources in the future, but were included in the description of Project activities in Sections 2.3.1.1 and 2.3.1.3 of the FEIR. Impacts to mineral resources associated with this refinement do not create a new significant impact or a substantial increase in the severity of a previously identified impact identified in Section 4.6.4.2 of the FEIR. All applicable avoidance/minimization measures identified in FEIR Chapter 9 Mitigation Monitoring, Compliance, and Reporting Plan would be followed.

Noise and Vibration (e.g. expose sensitive receptors to additional noise or vibration, exposure of persons to or generation of excessive noise, ambient noise, ground-borne noise, or vibration)?	☒	☐

Summary of Proposed Project Refinement Impacts on Noise and Vibration:

Activities occurring at the proposed locations and the types of equipment used are consistent with the activities described in Sections 2.3.1.1 and 2.3.1.3 of the FEIR. Implementation of the Project Noise Control Plan would ensure noise reduction measures are performed as required. Blasting would not occur at the proposed locations

Impacts to noise and vibration associated with this refinement do not create a new significant impact or a substantial increase in the severity of a previously identified impact identified in Section 4.11.4.2 of the FEIR. All applicable avoidance/minimization measures identified in FEIR Chapter 9 Mitigation Monitoring, Compliance, and Reporting Plan would be followed.

Population and Housing (e.g. directly or indirectly induce substantial population growth in an area, or displace substantial numbers of people or existing housing)?	☒	☐

Summary of Proposed Project Refinement Impacts on Population and Housing:

The proposed refinements would not increase or displace populations. Impacts to population and housing associated with this refinement do not create a new significant impact or a substantial increase in the severity of a previously identified impact identified in Section 4.12.4 of the FEIR. All applicable avoidance/minimization measures identified in FEIR Chapter 9 Mitigation Monitoring, Compliance, and Reporting Plan would be followed.

Public Services and Utilities (e.g. result in substantial adverse physical impacts on government facilities that provide a public service or cause environmental impacts to service ratios, response times, or other performance objectives to fire protection, sheriff protection, schools, parks, or other public facilities)?	☒	☐

Summary of Proposed Project Refinement Impacts on Public Services and Utilities:

The proposed refinements would not increase the need for or physically alter any public services. Impacts to public services and utilities associated with this refinement do not create a new significant impact or a substantial increase in the severity of a previously identified impact identified in Section 4.13.4.2 of the FEIR. All applicable avoidance/minimization measures identified in FEIR Chapter 9 Mitigation Monitoring, Compliance, and Reporting Plan would be followed.

Recreation (e.g. increase the use of, or cause adverse effects on, existing neighborhood, parks, or other recreational facilities)?	☒	☐

Summary of Proposed Project Refinement Impacts on Recreation:

The proposed refinements would not cause deterioration to any recreational facilities and would not impact the use of trails. Impacts to recreation associated with this refinement do not create a new significant impact or a substantial increase in the severity of a previously identified impact identified in Section 14.4.4 of the FEIR. All applicable avoidance/minimization measures identified in FEIR Chapter 9 Mitigation Monitoring, Compliance, and Reporting Plan would be followed.

Transportation and Traffic (e.g. increase hazards due to design feature, result in inadequate emergency access, or conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities)?	☒	☐

Summary of Proposed Project Refinement Impacts on Transportation and Traffic:

Activities occurring at the proposed locations are consistent with the activities described in Sections 2.3.1.1 and 2.3.1.3 of the FEIR. The quantity of construction equipment and personnel would be the same as identified in NTPR-1. Adherence to the Project Traffic Management and Control Plan would ensure compliance with traffic-related Project mitigation measures, TT-1, TT-2, and TT-7. There would be no change to the access routes identified in the Traffic Management and Control Plan.

Impacts to transportation and traffic associated with this refinement do not create a new significant impact or a substantial increase in the severity of a previously identified impact identified in Section 4.15.4.2 of the FEIR. All applicable avoidance/minimization measures identified in FEIR Chapter 9 Mitigation Monitoring, Compliance, and Reporting Plan would be followed.

Describe any applicable consultation with other governmental agencies conducted for the proposed refinements:

No consultation with other governmental agencies was necessary or conducted for the proposed refinement.

Approvals	Date	Name (print)	Signature	
SCE Project Manager				☐ Reviewed
SCE Environmental Project Manager				☐ Reviewed
CPUC Project Manager				☐ Approved ☐ Approved with conditions (see below) ☐ Denied

For CPUC Compliance Manager Use Only		
☐ **Refinement Approved**	☐ **Refinement Denied**	☐ **Beyond Authority**

Conditions of Approval or Reason for Denial:

Prepared by: **Date:**

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Attachment A

Biological Review

Environmental Intelligence, LLC

April 3, 2020

Matt Hooge
Senior Environmental Manager
Wilson Construction Company
1190 NW 3rd Avenue
P.O. Box 1190
Canby, OR 97013

SUBJECT: BIOLOGICAL REVIEW FOR THE VALLEY-IVYGLEN SUBTRANSMISSION LINE PROJECT NOTICE TO PROCEED REQUEST #1

PREVIOUSLY COMPLETED SURVEYS

Biological surveys were completed previously for the Valley-Ivyglen Subtransmission Line (VIG) Project that included Phase 1 (Segments 1-3) and the Valley Substation Yard (within Segment 1) presented herein as Notice to Proceed Request #1 (NTPR #1; throughout this document, refer to Exhibit 1, Map Pages 1 through 19).

Please note all proposed work areas with planned Project impacts to jurisdictional waters, Riparian/Riverine resources or otherwise protected aquatic features within Phase 1 are not requested as a part of this NTPR #1. The following locations within Segments 1 and 2 (none in Segment 3) have been excluded from this NTPR, and will be included in a separate NTPR once permits are obtained to impact these aquatic features under the jurisdiction of U.S. Army Corps of Engineers (USACE), Regional Water Quality Control Board (RWQCB), and California Department of Fish and Wildlife (CDFW): Any work areas that intersect protected aquatic features and not included in the list below are areas that are planned for avoidance and will not be permitted. The protection of aquatic resources will be managed through establishment of clearly marked environmentally sensitive areas (ESAs), staging of equipment and materials outside the resource, monitoring during adjacent construction and other best management practices discussed in this report. Locations Excluded from NTPR#1

- Segment 1, Map Page 7:
  - Gabion basket and access road work within the wetland between Structures 097 and 098;
  - Road plate work within the riparian area and ephemeral streambed between Structure 106 and 107;
  - Gabion basket work within the ephemeral streambed near Structure 111;

- Segment 1, Map Page 8:
  - Structure and access road work within the ephemeral streambed at Structure 116 (also visible on Map Page 7);
  - Structure and tree trimming work near the San Jacinto River between Structures 119 and 120;
  - Structure and access road work near the San Jacinto River at Structure 120;
  - Structure and access road work near the San Jacinto River at Structure 121;
  - Gabion basket work within the ephemeral streambed between Structures 126 and 127;

- Segment 1 Map Page 9:

  - Tree trimming within the wetland/riparian area between Structures 135 and 137;
  - Access road and rip rap installation within the ephemeral streambed between Structures 145 and 146 (also visible on Map Page 10); and

- Segment 2, Map Page 13:
  - Structure work within the riparian component at Structure 215.

Relevant biological resources surveys conducted on Phase 1, including within the Valley Substation Yard, for this NTPR #1 are discussed below.

PROTECTED AQUATIC RESOURCES

Preliminary jurisdictional waters and wetlands delineations for Phase 1 (inclusive of the Valley Substation Yard) were conducted by AMEC initially in 2008 and 2009, then updated in 2010, 2011, and 2013. Environmental Intelligence (EI) conducted a formal jurisdictional delineation in 2018 and a supplemental delineation in 2019 within 500 feet of the project footprint for Phase 1 utilizing the latest available guidance, methodologies, and regulatory frameworks to map the location, type, and extent of Riparian/Riverine resources consistent with the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP).

Methods

The jurisdictional delineation surveys were conducted according to the technical guidelines provided in the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region* (Version 2.0; 2008 Supplement; USACE 2008) to identify and delineate wetlands that may be subject to regulatory jurisdiction under Section 404 of the Clean Water Act (CWA). Wetlands were identified by the "three-factor" approach, in which criteria for wetland hydrology, hydrophytic vegetation, and hydric soils must all be met to conclude that an area is a wetland, as described in the Manual and summarized below. Wetlands that appeared to meet the USACE criteria were considered potentially jurisdictional (since any determination is subject to verification by the regulatory agencies).

"Waters of the U.S." were identified pursuant to criteria outlined in Sections 401 and 404 of the CWA, including but not limited to the presence of an ordinary high-water mark (OHWM) and connection to a downstream jurisdictional water body. The OHWM was determined pursuant to the USACE 2008 *Field Guide to the Identification of the OHWM in the Arid West Region of the Western United States* by observing signs of flow including but not limited to shelving, drift lines, and disturbed vegetation. "Waters of the State" were identified pursuant to criteria outlined in Section 1600 of the California Fish and Game (CFG) Code, including the presence of a defined bed and bank and any associated vegetation. Drainages that appeared to meet the criteria for "waters of the U.S." or "waters of the State" were considered potentially jurisdictional as any determination is subject to verification by the regulatory agencies.

The MSHCP Riparian/Riverine aspect of the surveys assessed features that met the definition of MSHCP for these protected waters features. MSHCP Riparian resources are defined as "lands which contain habitat dominated by trees, shrubs, persistent emergents, or emergent mosses and lichens, which occur close to or which depend upon soil moisture from a nearby fresh water source." MSHCP Riverine resources are defined as unvegetated ephemerals that transport water supporting downstream resources in the MSHCP Conservation Area. For the purposes of determining the extent of MSHCP Riparian/Riverine resources occurring within the Proposed Project Study Area, this analysis included streambed/banks and associated riparian vegetation under the jurisdiction of the CDFW, waters and wetlands under the jurisdiction of the USACE and the RWQCB, as well as other features that met the MSHCP definition of a Riparian/Riverine resource as presented in Section 6.1.2 of the MSHCP.

Results

An MSHCP Riparian/Riverine feature was identified northwest of and adjacent to the Valley Substation Yard; the Valley Substation Yard is entirely outside of this Riparian/Riverine and jurisdictional feature

(Map Page 1). No other MSHCP Riparian/Riverine features were identified within 500 feet of the Valley Substation Yard.

Western Riverside County is dominated by ephemeral washes that flow south and west out of the hills toward the San Jacinto River and Lake Elsinore, and the Project area traverses multiple drainages within the San Jacinto Watershed. The majority of jurisdictional and MSHCP Riparian/Riverine resources in the Project area include the San Jacinto River (Map Pages 8 and 9), with other areas including wetlands, riparian extent, tributary waters, basins, culverts, roadside ditches, vernal pools, swales, streambanks, and other waters (i.e., basin beds and open waters; Map Pages 1 through 19, with the exception of Map Page 5), with these features identified by various resources listed below for each segment in Phase 1:

- Segment 1:
  - San Jacinto River and a primary tributary (Map Pages 8 and 9, respectively);
  - Vernal pools (Map Pages 2, 3, and 8);
  - Riparian resources (Map Pages 1, 4, 6, 7, 8, 9, and 10);
  - Other waters features (Map Pages 1, 2, 3, 4, 7, 8, 9, and 10);

Conclusions

The VIG Project is designed to avoid jurisdictional and MSHCP Riparian/Riverine resources throughout Phase 1, including the Valley Substation Yard, to greatest extent practical. Direct and indirect impacts to these features will be avoided by perimeter marking, careful siting of work areas, and appropriate water use and soil movement measures. The Valley Substation Yard is developed and does not contain jurisdictional and/or MSHCP Riparian/Riverine resources. For this NTPR, Project construction will not occur in areas that are eventually planned to impact waters of the U.S. and waters of the State. As mentioned above, there are several construction work areas that are excluded from this NTPR to avoid aquatic resources. A summary of those impacts which overlap MSHCP Riparian/Riverine resources are provided below.

The following discussion is to address impacts associated with MSHCP Riparian/Riverine and other jurisdictional resources within Phase 1 for which a request for notice to proceed will be included in a separate, future NTPR:

- Temporary impacts to Riparian/Riverine areas will result from the use of temporary work areas and grading through ephemeral washes and existing wet crossings, and includes approximately 0.417 acre. Approximately 0.072 acre of permanent impacts to Riparian/Riverine areas will result from construction of gabions in ephemeral drainages, temporary road plate installation, pole siting, and drainage improvements including culvert construction.

- Permanent impacts to approximately 0.082 acre of Riparian vegetation will result from tree trimming to ensure proper line clearance at the San Jacinto River crossing (Map Page 8), and the unnamed tributary to the San Jacinto River in the vicinity of Keystone Drive (Map Page 9). These areas may be annually or bi-annually maintained and trimmed by hand, under future operations and maintenance (O&M) activities according to California Public Utility Commission (CPUC) and other safety standards, and are therefore determined to be permanent impacts. However, tree trimming calculations are shown as a "worst-case" based on 100 percent riparian tree canopy cover. Actual tree canopy cover is substantially less than the 0.082-acre. This area of impact will be refined and reduced during construction as needed.

Unavoidable impacts would be minimized and mitigated in accordance with the provisions set forth by the USACE, RWQCB, and CDFW and MSHCP. No vernal pool impacts will occur. SCE is in the process of obtaining the following authorizations and permits for both Phase 1 and Phase 2 concurrently:

- CWA Section 404 permit for discharge (placement) of dredged or fill material within waters of the U.S. under the purview of USACE;

- CWA Section 401 state water quality certification for an action that may result in the discharge of pollutants into waters of the U.S. and state under the purview of RWQCB; and
- CFGC Section 1600 *et seq.* Lake and Streambed Alteration Agreement if planned activities would result in the substantial, adverse impacts to the bed and/or bank (including the associated riparian extent) of a stream (waters of the state, exclusively) under the purview of CDFW.

SCE has also submitted a MSHCP Participating Special Entity (PSE) Application Amendment which included an amended Determination of Biologically Equivalent or Superior Preservation (DBESP) for unavoidable impacts to Riparian/Riverine resources. This amended application was submitted for additional minor Project changes that have occurred since a Certificate of Inclusion (COI) was signed by SCE on 8 December, 2014 for the construction of Phase 1. The amended DBESP included a reduction of impacts to Riparian/Riverine resources and applicable mitigation measures.

Vehicles and equipment will follow the best management practices discussed in Mitigation Measure (MM) BR-1: Limit Construction to Designated Areas and Avoid Riparian, Aquatic, and Wetland Areas. Additionally, biological construction monitoring will occur during work on Phase 1 and within the Valley Substation Yard where there is the potential to impact jurisdictional or Riparian/Riverine resources.

Avoidance and minimization measures to further reduce impacts to Riparian/Riverine resources include implementation of Project Commitment B (Worker Environmental Awareness Program [WEAP]), Project Commitment D (Habitat Restoration and Revegetation Plan), MM BR-2 (Preconstruction Surveys), MM BR-3 (Biological Monitoring During Construction), MM BR-4 (Limit Removal of Native Vegetation Communities and Trees), MM BR-7 (Habitat Restoration and Revegetation Plan Requirements), MM BR-9 (Invasive Plant Control Measures), MM BR-13 (Trash Abatement), and MM BR-15 (Stormwater Pollution Prevention Plan [SWPPP]).

BOTANICAL SURVEYS

Focused botanical surveys for Phase 1, including within and surrounding the Valley Substation Yard, were conducted by AMEC in April and June 2008; April and July 2009; March, April and July 2011; March through June 2012; and March and April 2013. Invasive plant and noxious weed inventory surveys were conducted by Artemis Environmental Services, Inc. (Artemis) in March and August 2019.

Methods

Phase 1 focused botanical surveys conducted in 2008 and 2009 followed the *Guidelines for Assessing the Effects of Proposed Projects on Rare, Threatened, and Endangered Plants and Natural Communities* (California Department of Fish and Game [CDFG] 2006) and the California Native Plant Society (CNPS) *Botanical Survey Guidelines* (CNPS 2001). Phase 1 focused botanical surveys conducted after 2009 followed the CDFG *Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Natural Communities* (CDFG 2009).

Focused surveys for special-status plant species and invasive plants/noxious weeds were conducted during the appropriate blooming season within all proposed work areas, plus a 100-foot buffer. The survey areas were traversed by foot, following meandering transects that were intuitively controlled, meaning the biologists determined the appropriate spacing, pace, direction, and duration of the surveys to provide 100 percent survey coverage in a given area. These variables were in turn determined by the vegetation community type and cover, slope, and aspect.

Results

The Valley Substation Yard is developed and the surrounding vicinity is heavily disturbed; therefore, the potential for special-status plant species to occur is unlikely. No special-status plants species have been observed within 500 feet of the Valley Substation Yard (Map Pages 1 and 2).

Within Phase 1 on Segments 1-3, five special-status plant species were detected during botanical field studies occurring between 2006 and 2013:

- long-spined spineflower (*Chorizanthe polygonoides* var. *longispina*; Map Page 10);
- Parry's spineflower (*Chorizanthe parryi* var. *parryi;* Map Page 10);
- small-flowered morning-glory (*Convolvulus simulans*; Map Pages 5 and 6);
- paniculate tarplant (*Deinandra paniculata*; Map Pages 2 through 10, and 19); and
- small-flowered microseris (*Microseris douglasii* var. *platycarpha*; Map Page 6).

No oak trees are known to occur on the Project alignment, and no tree removal of any species is expected. Results of the invasive plant and noxious weed surveys can be found in the Invasive Plant Management Plan developed for the Project.

Conclusions

No impacts to special-status plant species are anticipated to occur as a result of using the Valley Substation Yard for staging approved materials and equipment for the duration of the project. Further, no oak (*Quercus* spp.) trees are known to occur on the Project alignment, and no tree removal of any species is expected.

Long-spined spineflower and small-flowered morning-glory are MSHCP Covered Species and Adequately Conserved. Incidental take of these species would be granted through participation in the MSHCP. Parry's spineflower and small-flowered microseris are also Covered Species, yet not Adequately Conserved. Per Section 2.1.4 of the MSHCP, these species are two of the 28 Covered Species that will be considered to be Adequately Conserved when certain conservation requirements are met (by the Regional Conservation Authority) as identified in the species-specific conservation objectives for those species (*Table 9-3* of the MSHCP). Paniculate tarplant, a California Rare Plant Rank (CRPR) watch list species (CRPR 4.2), is not covered by the MSCHP. This species was identified widespread throughout the Project area.

Project impacts are expected to occur only to long-spined spineflower and paniculate tarplant. Once SCE is granted PSE status pursuant to the MSHCP, generally no additional mitigation is required for Adequately Covered species such as long-spined spineflower. For species not listed by the MSHCP (paniculate tarplant), proposed conservation and mitigation measures will be implemented to minimize Project-related impacts to this species.

Pre-construction surveys will identify any new locations and implement measures necessary to minimize impacts to special-status plant species consistent with MM BR-2, as applicable. Vehicles and equipment will follow the best management practices discussed in Project Commitment L (San Diego Ambrosia), MM BR-1 (Limit Construction to Designated Areas and Avoid Riparian, Aquatic, and Wetland Areas), and MM BR-4 (Limit Removal of Native Vegetation Communities and Trees) to avoid and reduce potential disturbance to special-status plant species. Although no oak tree impacts are anticipated, if any oak tree removal or trimming is determined necessary, it will be done in accordance with MM BR-6, including implementation of required mitigation.

Additionally, biological construction monitoring will occur where special-status plants may occur on Phase 1 and within the vicinity of the Valley Substation Yard (MM BR-3).

Avoidance and minimization measures to further reduce impacts to special-status plant species include Project Commitment B (WEAP), MM BR-9 (Invasive Plant Control Measures), MM BR-13 (Trash Abatement), and MM BR-15 (SWPPP).

FAIRY SHRIMP SURVEYS

Phase 1 focused protocol-level fairy shrimp surveys, inclusive of the Valley Substation Yard, were conducted within suitable habitat for three wet seasons by AMEC in 2008/2009, 2009/2010, and 2011/2012. Additional focused fairy shrimp surveys were conducted by AMEC during the 2013/2014 wet season that again included the Valley Substation Yard.

Methods

Phase 1 wet season fairy shrimp surveys, inclusive of the Valley Substation Yard, were conducted in accordance with the U.S. Fish and Wildlife Service (USFWS) *Interim Survey Guidelines to Permittees for Recovery Permits under Section 10(a)(1)(A) of the Endangered Species Act for the Listed Vernal Pool Branchiopods* (USFWS 1996, 2015). Per the guidelines, all depressions that held water and had potential to support listed vernal pool branchiopods species were mapped during surveys conducted for the VIG Project.

For the purposes of the focused fairy shrimp surveys, once the pools were inundated with at least 3 centimeters of water following a storm event, sampling was started within 8 days of reaching the criterion, and pools were sampled once every two weeks until the pools were no longer inundated (or until they experienced 120 days of continuous inundation). The depressions were initially scanned for presence of detectable invertebrates prior to physical sampling, then subsequently sampled throughout the water column following USFWS protocol guidelines. Depressions were sampled using a dip net with mesh size smaller than 3.2 millimeters. In cases where the pools dried and then refilled in the same wet season, pool sampling was repeated as described above every time they reached the 3 centimeters minimum of standing water criterion. Each seasonal depression was photographed and mapped, and at each subsequent visit, specific depression data and weather conditions were recorded.

Results

During vegetation mapping/rare plant and fairy shrimp surveys previously conducted for this Project, several topographic features and small depressional basins that facilitate the temporary ponding of rainfall and are known to support vernal pool indicator species were documented on Phase 1 (Segments 1-3); however, depressions defined as vernal pools were only present within Segment 1 (refer to Map Pages 2, 3, 8, and 17).

No Federally-listed fairy shrimp species were observed within Segments 1-3 during wet season sampling; however, the common versatile fairy shrimp (*Branchinecta lindahli*) was observed present in many of the pools and depressions. Although dry season surveys were not conducted according to current survey guidelines (USFWS 2015), the Project site has been thoroughly evaluated during the four wet season surveys, which included several years of adequate rainfall, and provided consistent negative results.

Further, no vernal pools or depressions suitable to support fairy shrimp are located within 500 feet of the Valley Substation Yard.

Conclusions

The Valley Substation Yard does not provide habitat suitable to support listed fairy shrimp. Therefore, no impacts to fairy shrimp are expected as a result of using this yard as approved for staging materials and equipment for the duration of the Project.

No protected listed fairy shrimp species were detected within Phase 1 during the surveys. Therefore, no impacts to listed fairy shrimp species are expected to occur as a result of constructing Phase 1.

Construction work areas were designed to avoid all vernal pools. Avoidance and minimization measures to further reduce impacts to listed fairy shrimp species include implementation of Project Commitment B (WEAP), MM BR-2 (Preconstruction Surveys), MM BR-3 (Biological Monitoring During Construction), MM BR-4 (Limit Removal of Native Vegetation Communities and Trees), MM BR-9 (Invasive Plant Control Measures), MM BR-13 (Trash Abatement), and MM BR-15 (SWPPP).

BURROWING OWL SURVEYS

Phase 1, inclusive of the Valley Substation Yard, general habitat assessment for burrowing owl (BUOW; *Athene cunicularia*) was conducted by AMEC in 2006. Protocol-level focused surveys were conducted by AMEC in 2007, 2009, 2011, 2012, and 2013.

Methods

BUOW habitat assessments and focused surveys were conducted according to the *Burrowing Owl Consortium Guidelines* (CDFG 1993), the *Burrowing Owl Survey Instructions for the Western Riverside Multiple Species Habitat Conservation Plan Area* (County of Riverside 2006), and the *Staff Report on Burrowing Owl Mitigation* (CDFG 2012). Data were collected by numerous techniques including the use of a hand-held GPS device, standardized data forms, photographs, and aerial field maps. Four surveys were conducted as follows: 1) at least one between February 15 and April 15, and 2) a minimum of three survey visits, at least three weeks apart, between April 15 and July 15, with at least one visit after June 15 (CDFG 2012). Potential habitat within the Project area was assessed for BUOW presence, use, and potential use. Areas with potential BUOW habitat, including grasslands, sage scrub, and other areas with sparse, low growing vegetation, were surveyed for potential burrows and BUOW. These surveys included California ground squirrel (*Otospermophilus beecheyi*) and ground squirrel burrow surveys. Biologists walked areas of potential habitat while searching for BUOW, potential and active burrows, and owl sign, such as feathers, pellets, and prey items. The survey area included a 150-meter (500-foot) buffer zone on either side of the centerline.

Focused BUOW surveys, conducted in areas where suitable burrows were found during the focused burrow surveys, consisted of eight site visits covering all Project areas four times. Surveys were conducted in the morning 1 hour before sunrise to 2 hours after sunrise. Upon arrival at the survey area and prior to initiating the walking surveys, surveyors used binoculars and/or spotting scopes to scan all suitable habitats, location of mapped burrows, owl sign, and owls, including perch locations to ascertain owl presence. A survey for owls and owl sign was then conducted by walking through suitable habitat over the entire Project site and within the adjacent 150-meter (500-foot) buffer zone on either side of the center line. These pedestrian surveys followed transects spaced to allow 100 percent visual coverage of the ground surface. The distance between transect center lines were no more than 20 meters (66 feet) and were reduced to account for differences in terrain, vegetation density, and ground surface visibility. In areas where access was not obtained, the area adjacent to the Project site was surveyed using binoculars and/or spotting scopes to determine if owls are present in areas adjacent to the Project site.

Results

Although several potential burrows were mapped within Phase 1 during habitat assessments for BUOW, focused surveys did not identify individuals or active nests within Phase 1, including the Valley Substation Yard, or vicinity. Incidentally during other surveys for the Project BUOW and sign was observed: an individual BUOW was found on one occasion in 2009, just north of the Project area; two burrows with fresh whitewash were identified along the alignment in 2011; however, no BUOW individuals were observed; and in April 2012, two adult BUOWs and two BUOW pairs were observed near a known burrow complex location (Map Pages 4, 5, 10, and 19). During subsequent visits, no fresh sign or BUOW individuals were observed.

Burrows within 500 feet southeast of the Valley Substation Yard that are considered potentially suitable to support BUOW were observed along Menifee Road within marginally suitable breeding habitat, though no BUOW individuals or sign were observed.

Conclusions

In accordance with MM BR-12, pre-construction surveys for BUOW will be conducted within 30 days of construction during the non-breeding season (September 1 through January 31) and within 14 days of construction during the breeding season (February 1 through August 31) to confirm whether BUOW occupy the site. If an occupied burrow is identified, buffer distances detailed in the Staff Report on Burrowing Owl Mitigation (CDFG 2012) shall be adhered to. Additionally, biological construction monitoring will occur during initial ground disturbance within Phase 1 including the Valley Substation Yard. The Valley Substation Yard does not contain suitable nesting habitat for BUOW, but suitable foraging and marginally suitable nesting habitat occurs in the vicinity.

If appropriate buffers cannot be maintained, and impacts on BUOW or occupied burrows are unavoidable, a Determination of Biologically Equivalent or Superior Preservation (DBESP) shall be prepared and implemented in compliance with MSHCP Section 6.3.2, and as approved by CDFW and Regional Conservation Authority (RCA). If it is determined that project activities require removal of occupied burrows, eviction and burrow closure may be required in consultation with CDFW to ensure against "take" of owls or nests. However, this will only occur after the preparation of a Burrowing Owl Exclusion Plan, as approved by CDFW.

Avoidance and minimization measures to further reduce impacts to BUOW include implementation of Project Commitment B (WEAP), MM BR-2 (Preconstruction Surveys), MM BR-3 (Biological Monitoring During Construction), MM BR-4 (Limit Removal of Native Vegetation Communities and Trees), MM BR-5 (California gnatcatcher protection measures), MM BR-9 (Invasive Plant Control Measures), MM BR-13 (Trash Abatement), and MM BR-15 (SWPPP).

CALIFORNIA GNATCATCHER

Coastal California gnatcatcher (*Polioptila californica californica*; CAGN) is a Covered Species in the MSHCP and is Adequately Conserved. Therefore, no focused surveys for CAGN were conducted.

Results

The Valley Substation Yard and the surrounding areas do not contain habitat suitable to support CAGN. Therefore, no impacts to CAGN are expected as a result of using the Valley Substation Yard for staging approved materials and equipment for the duration of the project.

During general and other project-related biological resources surveys, CAGN has been detected on Phase 1 in areas of suitable habitat, particularly Riversidean sage scrub (RSS)/disturbed Riversidean sage scrub (DRSS; refer to Map Pages 8, 9, and 10).

Conclusions

No RSS habitat suitable for CAGN nesting is present within 500 feet of the Valley Substation Yard. Use of the Valley Substation Yard will avoid suitable CAGN habitat.

Because no focused surveys have been conducted for CAGN within the Project area, any sage scrub within the Criteria Area, if determined suitable by a qualified biological monitor, will be assumed occupied. In accordance with the MSHCP and MM BR-5 (California gnatcatcher protection measures), removal of RSS/DRSS habitat will not occur during the CAGN breeding season (February 15 through August 15). Vegetation clearing will be limited to the non-breeding season only.

If an active CAGN nest is observed during pre-construction surveys, a qualified avian biologist will establish a 500-foot buffer around the nest and no activities will be allowed within the buffer until the young have fledged and are no longer reliant on the nest. Vehicles and equipment will follow the best management practices discussed in MM BR-4 (Limit Removal of Native Vegetation Communities and Trees) and the VIG Nesting Bird Management Plan (NBMP) to avoid potential disturbance to CAGN. Additionally, biological construction monitoring will occur during initial work within the Valley Substation Yard.

Avoidance and minimization measures to further reduce impacts to CAGN include implementation of Project Commitment B (WEAP), MM BR-2 (Preconstruction Surveys), MM BR-3 (Biological Monitoring During Construction), MM BR-9 (Invasive Plant Control Measures), MM BR-13 (Trash Abatement), and MM BR-15 (SWPPP).

RIPARIAN BIRDS

Focused surveys for special-status riparian birds, including least Bell's vireo (*Vireo bellii pusillus*; LBVI), southwestern willow flycatcher (*Empidonax traillii extimus*; SWFL), and yellow-billed cuckoo (*Coccyzus americanus*; YBCU), were conducted within Phase 1 and the Valley Substation Yard in suitable habitat in 2007, 2009, 2011, 2012, and 2013 by AMEC.

Methods

Phase 1 focused surveys for LBVI, SWFL, and YBCU were conducted in accordance with the currently accepted survey protocols by USGS and USFWS permitted ornithologists.

The LBVI protocol requires at least eight surveys to be conducted between April 10 and July 31 (USFWS 2001). The SWFL protocol requires five surveys, and that the first survey be performed between May 15 and May 31, the second between June 1 and June 21, and that three visits be conducted between June 22 and July 17 (Sogge et al. 1997). The survey protocol for YBCU (Halterman et al. 2016) requires a total of four surveys during the breeding season in suitable habitat. The surveys must be completed at specific intervals within the season that includes one survey between June 15 and June 30, two surveys between July 1 and July 31, and one survey between August 1 and August 15, spaced 12-15 days apart.

The surveys consisted of slowly moving through each suitable habitat while listening for the songs and calls of the three target species (LBVI, SWFL, and YBCU). During the surveys performed for the SWFL and YBCU, taped recordings of their vocalizations were broadcast, a method consistent with the protocols. During the SWFL surveys, recordings of their vocalizations were broadcast every 20-30 meters, as required by protocol. During YBCU surveys, territorial calls ("Kowlp" calls) were broadcast every 100 meters, with the calls being repeated five times at one-minute intervals.

Results

Several riparian areas were identified with suitable habitat for LBVI, SWFL, and YBCU within Phase 1. These habitats generally occur along or near the San Jacinto River and its larger tributaries.

Suitable habitat for LBVI, SWFL, and YBCU was not observed within 500 feet of the Valley Substation Yard. No SWFL or YBCU were detected within Phase 1. One LBVI territory was present in the tributary to the San Jacinto River near Keystone Drive during the 2007 and 2009 survey years (refer to Map Page 9). That area and all areas where LBVI were detected were determined to be "occupied" and were removed from areas to be surveyed in subsequent years. The main body of the San Jacinto River traversed by the Project alignment has not been identified as a designated LBVI breeding territory, but is a known travel corridor for LBVI and during previous Project coordination with the wildlife agencies, LBVI presence was assumed in these areas. During the 2013 surveys, a new occurrence of LBVI was identified near Rosetta Canyon Drive and State Route 74 (Map Page 16).

Conclusions

No habitat suitable to support LBVI, SWFL, or YBCU was observed within 500 feet of the Valley Substation Yard. Therefore, no impacts to these riparian bird species are expected as a result of using the Valley Substation Yard approved for staging materials and equipment for the duration of the Project.

LBVI occupied habitat mapped throughout Phase 1 will be afforded a 500-foot avoidance buffer during the LBVI breeding season (generally March 1 through August 31) to minimize impacts to nesting birds. Construction activities in or within 500 feet of occupied habitat, including minimal tree trimming, will be conducted outside of the LBVI breeding season.

Avoidance and minimization measures to further reduce impacts to special-status riparian birds include implementation of Project Commitment B (WEAP), Project Commitment D (Habitat Restoration and Revegetation Plan), MM BR-1 (Limit Construction to Designated Areas and Avoid Riparian, Aquatic, and Wetland Areas), MM BR-2 (Preconstruction Surveys), MM BR-3 (Biological Monitoring During Construction), MM BR-4 (Limit Removal of Native Vegetation Communities and Trees), MM BR-7 (Habitat Restoration and Revegetation Plan Requirements), MM BR-9 (Invasive Plant Control Measures), MM BR-11 (Migratory Birds and Raptors Impact Reduction Measures), MM BR-13 (Trash Abatement), and MM BR-15 (SWPPP).

STEPHENS' KANGAROO RAT

Focused surveys for Stephens' Kangaroo Rat (*Dipodomys stephensi*; SKR) were conducted within Phase 1 and the Valley Substation Yard in suitable habitat in December 2010 and March 2011 by AMEC.

Methods

Within Phase 1, habitat assessments and focused surveys were conducted following standard trapping protocol for SKR. Standard methods typically include examining aerial images to locate suitable habitat, followed up by field visits to identify the most promising trapping sites for SKR, installing and baiting traps, checking traps at midnight and dawn, and upon identification of captured individuals, releasing them unharmed at their capture sites.

Results

SKR individuals and associated burrows were identified within the Phase 1 study area (Maps Pages 2 through 10).

Conclusions

It should be noted that per the MSHCP Implementing Agreement, SCE understands that "take" for SKR is not available through the MSHCP as the proposed Project also lies within the SKR Habitat Conservation Plan (HCP) boundaries. As of October 15, 2012, SCE finalized an SKR HCP Implementation Agreement with the Riverside County Habitat Conservation Agency. This Agreement provides a process through which SCE may obtain take authorization of SKR through the SKR HCP. This take authorization is in accordance with the terms and conditions in the USFWS Management Authorization (or USFWS' Federal Permit), the SKR HCP, and the SKR HCP Implementation Agreement. To complete the SKR take authorization process prior to the start of construction, SCE will obtain a Certificate of Inclusion from the Riverside County Habitat Conservation Authority (RCHCA) specific to the VIG Project.

Avoidance and minimization measures to further reduce impacts to SKR include implementation of Project Commitment B (WEAP), Project Commitment N (Wildlife Movement), MM BR-2 (Preconstruction Surveys), MM BR-3 (Biological Monitoring During Construction), MM BR-4 (Limit Removal of Native Vegetation Communities and Trees), MM BR-5 (California gnatcatcher protection measures), MM BR-9 (Invasive Plant Control Measures), MM BR-10 (Prevent Wildlife Entrapment), MM BR-13 (Trash Abatement), and MM BR-15 (SWPPP).

REMAINING PRE-CONSTRUCTION SURVEYS

Prior to the start of construction at each specific work location, pre-construction surveys will be conducted to determine the presence of special status plants, noxious weeds, and all wildlife species for the purpose of preventing direct loss of vegetation and wildlife and the spread of noxious plant species. Pre-construction surveys will be performed according to the following guidelines:

- MM BR-2: Pre-construction Surveys
    - Survey area – Pre-construction surveys for special-status plant and wildlife species, and invasive plants/noxious weeds shall include all disturbance areas where potential biological resources could be located, including all Structure Work Areas, Pull Sites, Staging Areas, Access Roads, etc. Preconstruction surveys will also document the composition of the vegetation communities within work areas to establish baseline conditions prior to construction and to guide post-construction restoration efforts.
    - Timing – Pre-construction surveys shall be completed within two weeks of the start of construction in any given project construction area, and again if work has lapsed for longer than 30 days.
    - Reporting – Special-status species and other protected biological resources observed during pre-construction surveys shall be documented by biologists in the SCE Field Reporting Environmental Database (FRED). Appropriate disturbance-free buffers will be established in the field.
- MM BR-12: Burrowing Owl Impact Reduction Measures

- Survey area – Pre-construction surveys for BOUW shall be performed throughout the project areas that contain suitable BUOW habitat with a potential to be affected by construction activities, plus an additional area extending 300 feet from the Projects' boundaries.
- Timing – Pre-construction surveys for BUOW will be conducted by a qualified biologist within 30 days of construction during the non-breeding season and within 14 days of construction during the breeding season (February 1 through August 31) to confirm whether burrowing owls occupy the site.
- Reporting – Special-status species and other protected biological resources observed during pre-construction surveys shall be documented by biologists in FRED. If an occupied burrow is identified, buffer distances detailed in the Staff Report on Burrowing Owl Mitigation (CDFG 2012) shall be adhered to.
    - If appropriate buffers cannot be maintained, and impacts on BUOW or occupied burrows are unavoidable, a DBESP shall be prepared and implemented in compliance with MSHCP Section 6.3.2, and as approved by CDFW and RCA. If, in consultation with CDFW it is determined that project activities require removal of occupied burrows, eviction and burrow closure may be required to prevent "take" of owls or nests. However, this will only occur after the preparation of a CDFW-approved Burrowing Owl Exclusion Plan.

REPORTING

All field observations and data will be reported using a web-based database system, FRED. This system has been verified, tested, and used to successfully monitor the regulatory compliance of large-scale projects. FRED will organize and track the resources throughout the VIG Project, and allow secure web access to continuously update field observation data and reporting functions to project compliance staff and agencies. Regular reporting will be established and generated via FRED and include pre-construction survey reports, daily monitoring reports, and weekly and monthly summary reports.

WORKER ENVIRONMENTAL AWARENESS PROGRAM

In accordance with Project Commitment B, SCE has prepared and will implement a WEAP for the VIG Project. Construction crews and contractors will be required to participate in the WEAP training prior to starting work on the VIG Project. SCE will provide the WEAP training to communicate VIG's environmental concerns, including a discussion of the special-status species and other protected resources that could exist in the VIG Project area and vicinity, all related mitigation measures, and the appropriate work practices necessary to protect resources that may be encountered during the course of the VIG Project.

RESTORATION AND INCIDENTAL TAKE PERMIT

In accordance with Project Commitment D, MM BR-4, MM BR-6, MM BR-7, and MM BR-8, all temporary impacts will be restored to pre-construction conditions or better. Restoration will follow an approved Habitat Restoration and Revegetation Plan (HRRP; MM BR-7). Temporary impacts to MSHCP Public/Quasi Public conserved lands and Additional Reserve Lands will be restored and mitigated per an approved HRRP, although no impacts to these conserved lands are anticipated for Phase 1. If any oak tree removal or trimming is determined necessary, it will be done in accordance with MM BR-6, including implementation of required mitigation.

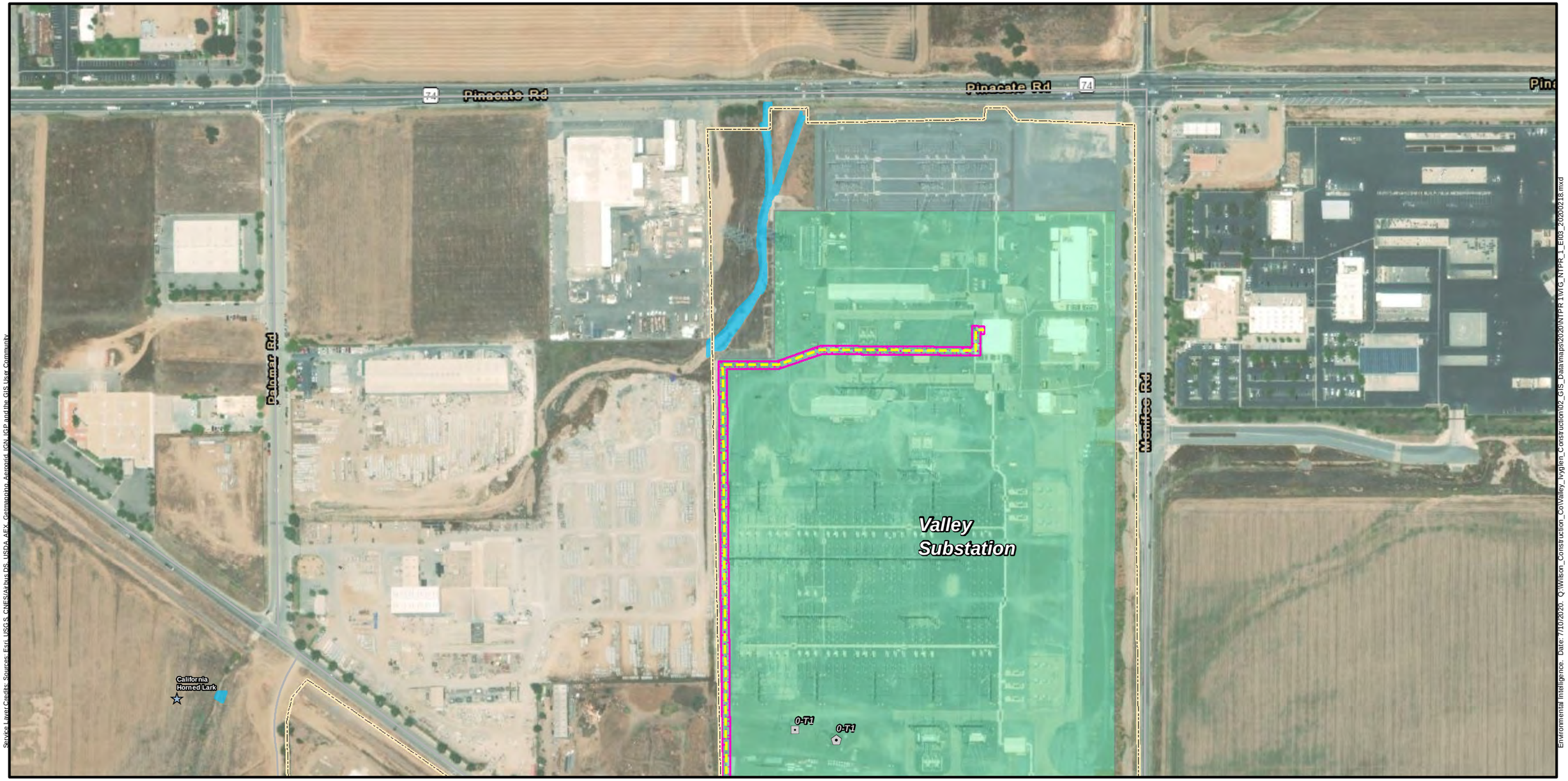
Because of the original expected timing of construction and the two phases being distinct from one another, SCE is applying for MSHCP coverage separately for each phase. For Phase 1, SCE applied for Participating Special Entity (PSE) status in 2011. The RCA issued findings of consistency with the Western Riverside County MSHCP for Phase 1 on 11 October 2011 followed by concurrences from USFWS and CDFW, the latter two agencies collectively referred to as the "Wildlife Agencies." However, design changes required amending the PSE application and reapplying for MSHCP coverage for Phase 1. The Phase 1 PSE application was resubmitted in August 2014, RCA determined the Phase 1 project to be consistent with the

MSHCP on September 23, 2014, and the Wildlife Agencies provided their concurrence on October 31, 2014. The Certificate of Inclusion (COI) was signed by SCE on 8 December, 2014. In 2019, the Phase 1 PSE application was amended again to include recent engineering revisions and the application is currently under review by the wildlife agencies. The Phase 1 COI is expected in April or May 2020.

CONSTRUCTION MONITORING

In accordance with MM BR-3, a qualified biological monitor will be present during construction activities. The monitor will have the authority to temporarily stop work that he or she determines to be threatening to a special-status plant or wildlife species or nesting bird. Once initial ground disturbance is complete, monitoring will occur periodically during all construction activities.

The monitor will determine the appropriate action, and work will resume once the monitor determines there is no longer a threat to the special-status species or approval has been obtained from the appropriate wildlife agencies or CPUC. Daily monitoring reports, as well as any special-status plants or wildlife species, breeding birds, or incidents that are observed during daily monitoring, will be documented in FRED.



Project Structures
- Monopole - LWS
- Monopole - Lattice Steel

Telecom Alignment
- Underground Fiber Optic in existing conduit

Access Roads
- 0: No Improvement

Construction Work Areas
- CPUC Buffer
- Trenching
- SKR Buffer

Sensitive Species Data
- California Horned Lark

MSHCP Riparian/Riverine Resources
- MSHCP Riparian/Riverine Resources

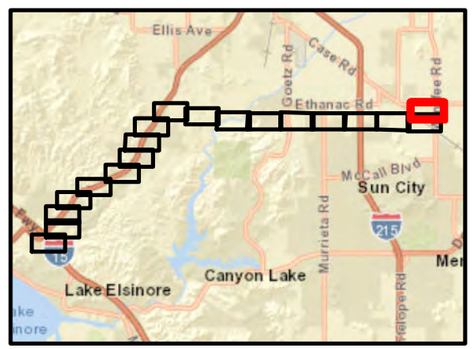
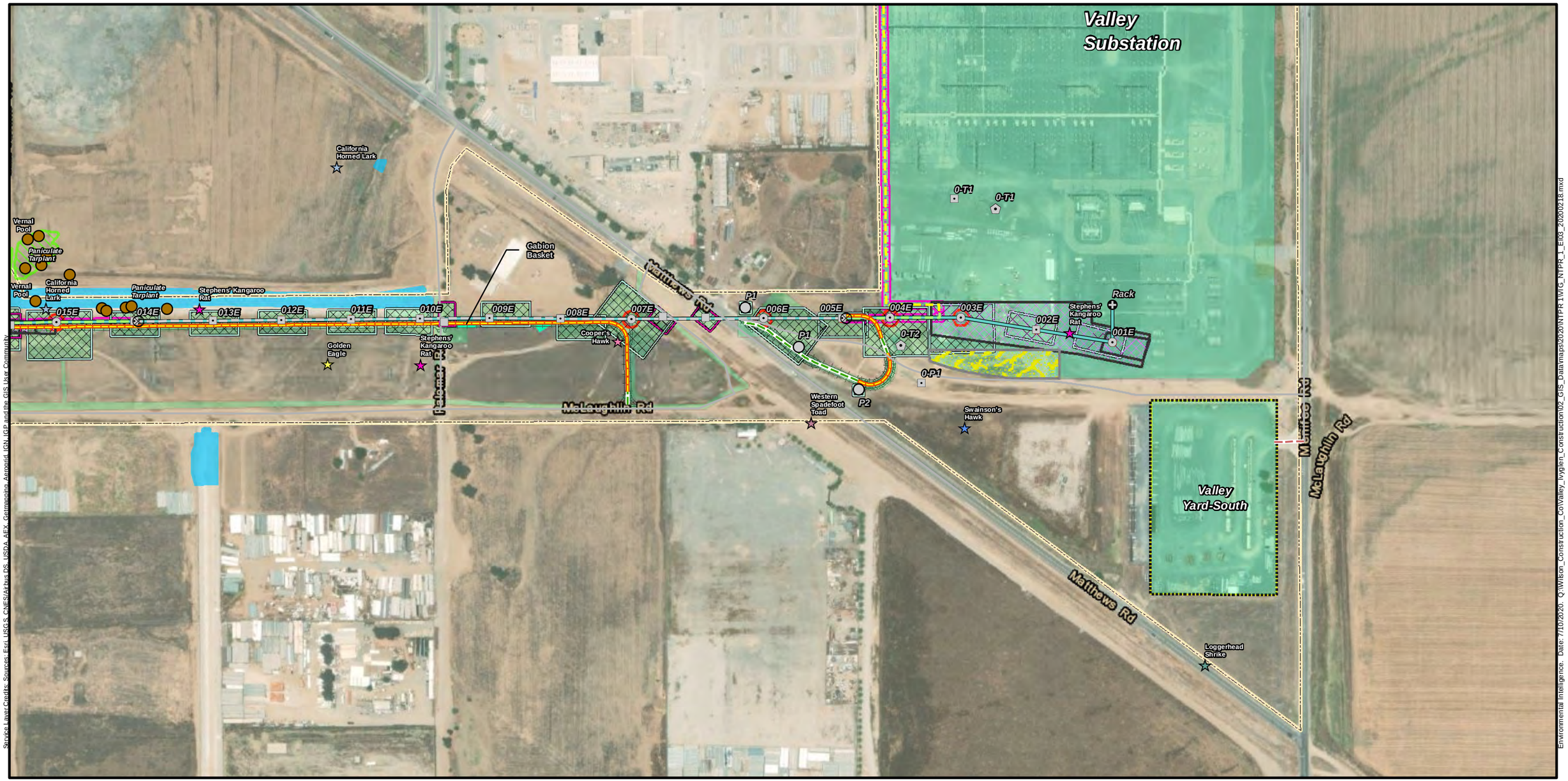


Exhibit 1. NTPR #1 Biological Resources (Page 1 of 19)
Valley-IvyGlen Subtransmission Project | Riverside County, CA

0 150 300 600 Feet

1:3,600 1 in = 300 feet



Project Structures
- Guard Pole
- Guy Anchor
- Monopole - LWS
- Monopole - Lattice Steel
- Monopole - TBD
- Monopole - TSP
- Monopole - Wood

Subtransmission Alignment
- VIG1, OH

Telecom Alignment
- Overhead Fiber Optic Cable
- Underground Fiber Optic in existing conduit
- Underground Fiber Optic in new conduit

Access Roads
- 0: No Improvement
- 1: Overland Travel
- 2: Minimum Improvement
- 5: Design Road

Construction Work Areas
- CPUC Buffer
- General Disturbance Area
- Guard Site
- Pole Impact Areas
- Pull Site
- Structure Work Area
- Telcom Pull Site
- Trenching
- Access Roads
- SKR Buffer
- Material Yard

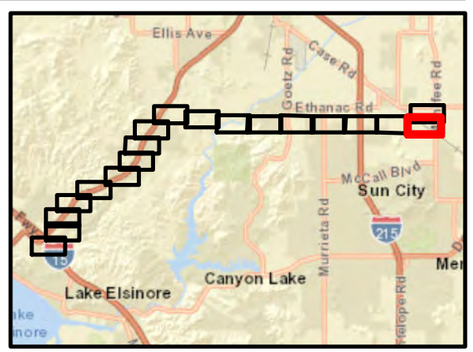
Drainage Control Features
- Gabion Basket

Sensitive Plant Points
- Paniculate Tarplant

Sensitive Species Data
- California Horned Lark
- Cooper's Hawk
- Golden Eagle
- Loggerhead Shrike
- Stephens' Kangaroo Rat
- Swainson's Hawk
- Western Spadefoot Toad

Sensitive Habitat
- Vernal Pool

MSHCP Riparian/Riverine Resources
- MSHCP Riparian/Riverine Resources



0 150 300 600 Feet

1:3,600 1 in = 300 feet

Exhibit 1. NTPR #1 Biological Resources (Page 2 of 19)
Valley-IvyGlen Subtransmission Project | Riverside County, CA

Project Structures
- Guard Pole
- Guy Anchor
- Monopole - LWS
- Monopole - TSP
- Monopole - Wood
- Vault

Subtransmission Alignment
- VIG1, OH
- VIG1, UG

Telecom Alignment
- Overhead Fiber Optic Cable
- Underground Fiber Optic in new conduit

Access Roads
- 0: No Improvement
- 1: Overland Travel
- 2: Minimum Improvement
- 5: Design Road

Construction Work Areas
- CPUC Buffer
- Guard Site
- Pole Impact Areas
- Pull Site
- Structure Work Area
- Telcom Pull Site
- Trenching
- Access Roads
- SKR Buffer

Drainage Control Features
- Road Plate

Sensitive Plant Points
- Paniculate Tarplant

Sensitive Species Data
- California Horned Lark
- San Diego Black-tailed Jackrabbit
- Stephens' Kangaroo Rat

Sensitive Habitat
- Vernal Pool

MSHCP Riparian/Riverine Resources
- MSHCP Riparian/Riverine Resources

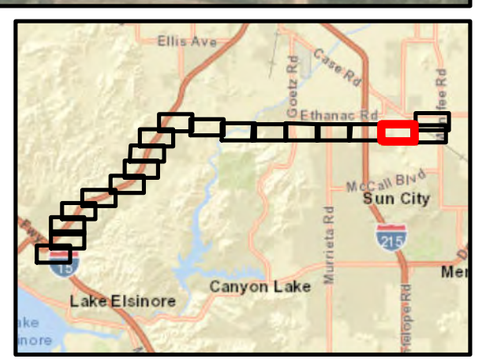
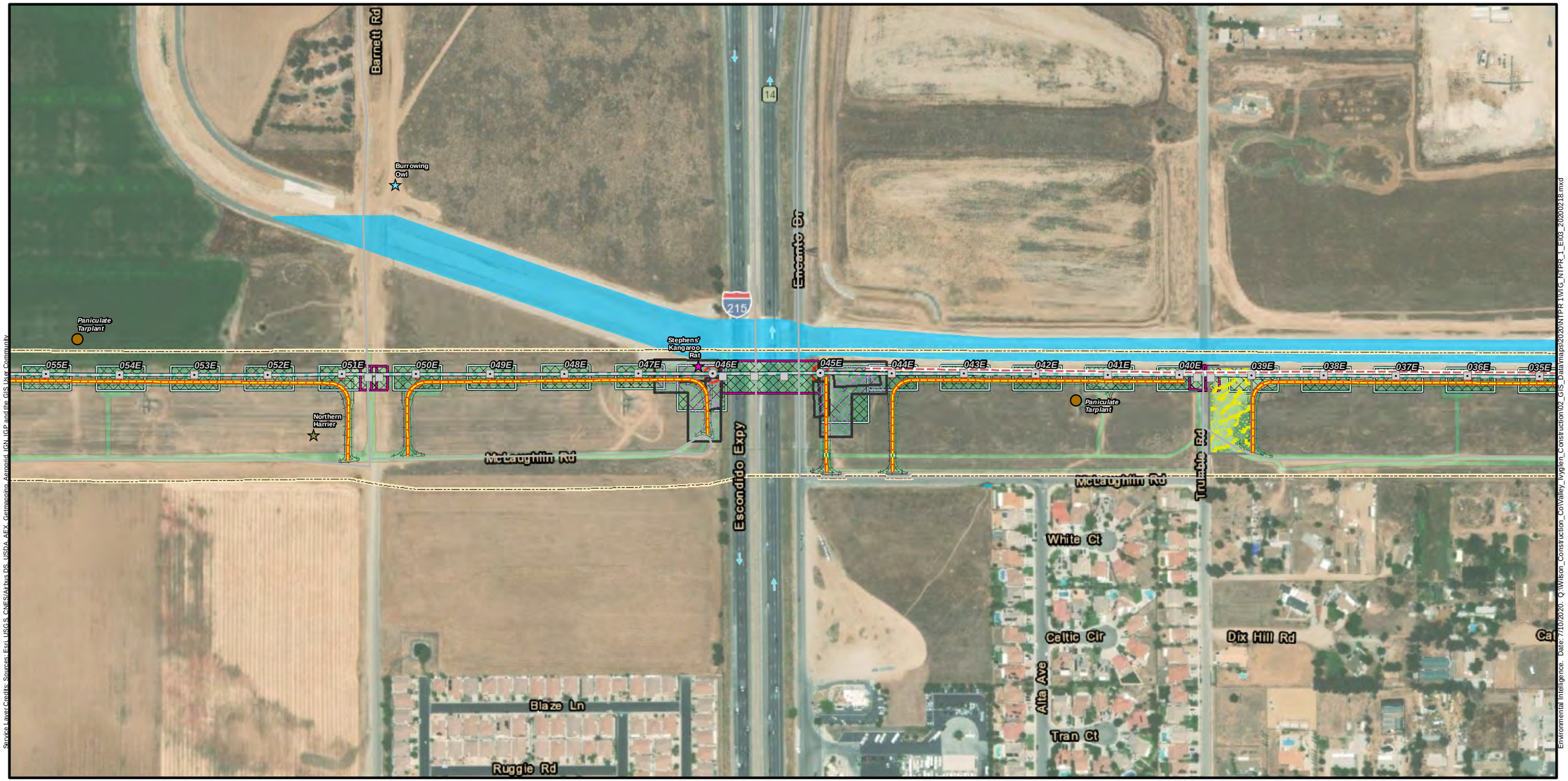


Exhibit 1. NTPR #1 Biological Resources (Page 3 of 19)
Valley-IvyGlen Subtransmission Project | Riverside County, CA

0 150 300 600 Feet

1:3,600 1 in = 300 feet



Project Structures
- Guard Pole
- Monopole - LWS
- Monopole - TSP

Subtransmission Alignment
- VIG1, OH

Telecom Alignment
- Overhead Fiber Optic Cable

Access Roads
- 0: No Improvement
- 1: Overland Travel
- 2: Minimum Improvement
- 5: Design Road

Construction Work Areas
- CPUC Buffer
- General Disturbance Area
- Guard Site
- Pole Impact Areas
- Pull Site
- Structure Work Area

Access Roads
- SKR Buffer

Sensitive Plant Points
- Paniculate Tarplant

Sensitive Species Data
- Burrowing Owl
- Northern Harrier
- Stephens' Kangaroo Rat

MSHCP Riparian/Riverine Resources
- MSHCP Riparian/Riverine Resources

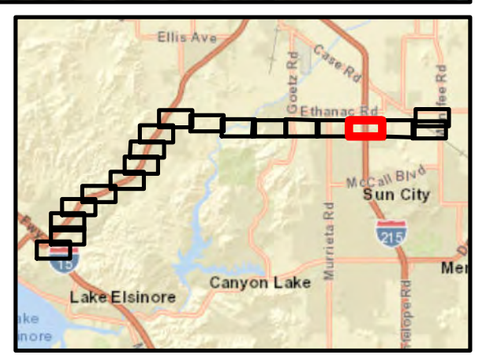
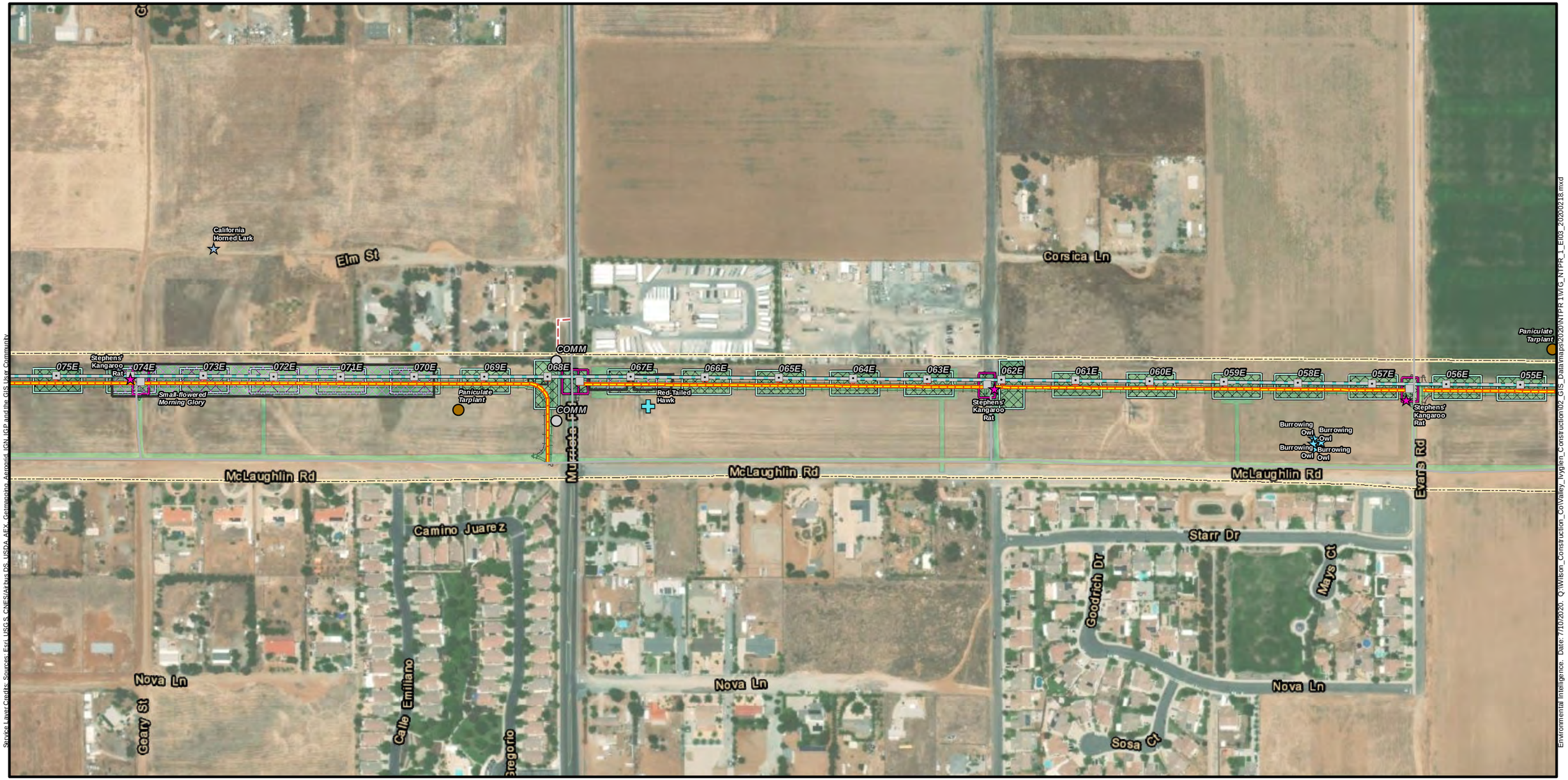


Exhibit 1. NTPR #1 Biological Resources (Page 4 of 19)
Valley-IvyGlen Subtransmission Project | Riverside County, CA

0 150 300 600 Feet

1:3,600 1 in = 300 feet



Project Structures
- Guard Pole
- Monopole - LWS
- Monopole - Wood

Subtransmission Alignment
- VIG1, OH

Telecom Alignment
- Overhead Fiber Optic Cable

Access Roads
- 0: No Improvement
- 1: Overland Travel
- 5: Design Road

Construction Work Areas
- CPUC Buffer
- Guard Site
- Pole Impact Areas
- Pull Site
- Structure Work Area
- Telcom Pull Site

Access Roads
- SKR Buffer

Sensitive Plant Points
- Paniculate Tarplant

Bird Nests
- Red-Tailed Hawk

Sensitive Species Data
- Burrowing Owl
- California Horned Lark
- Stephens' Kangaroo Rat

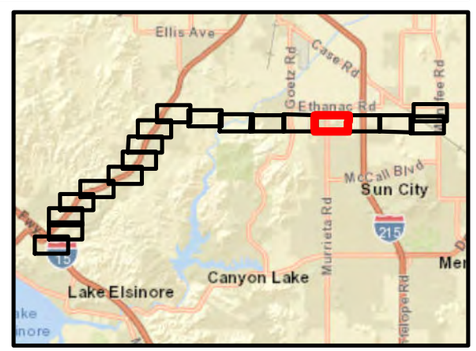
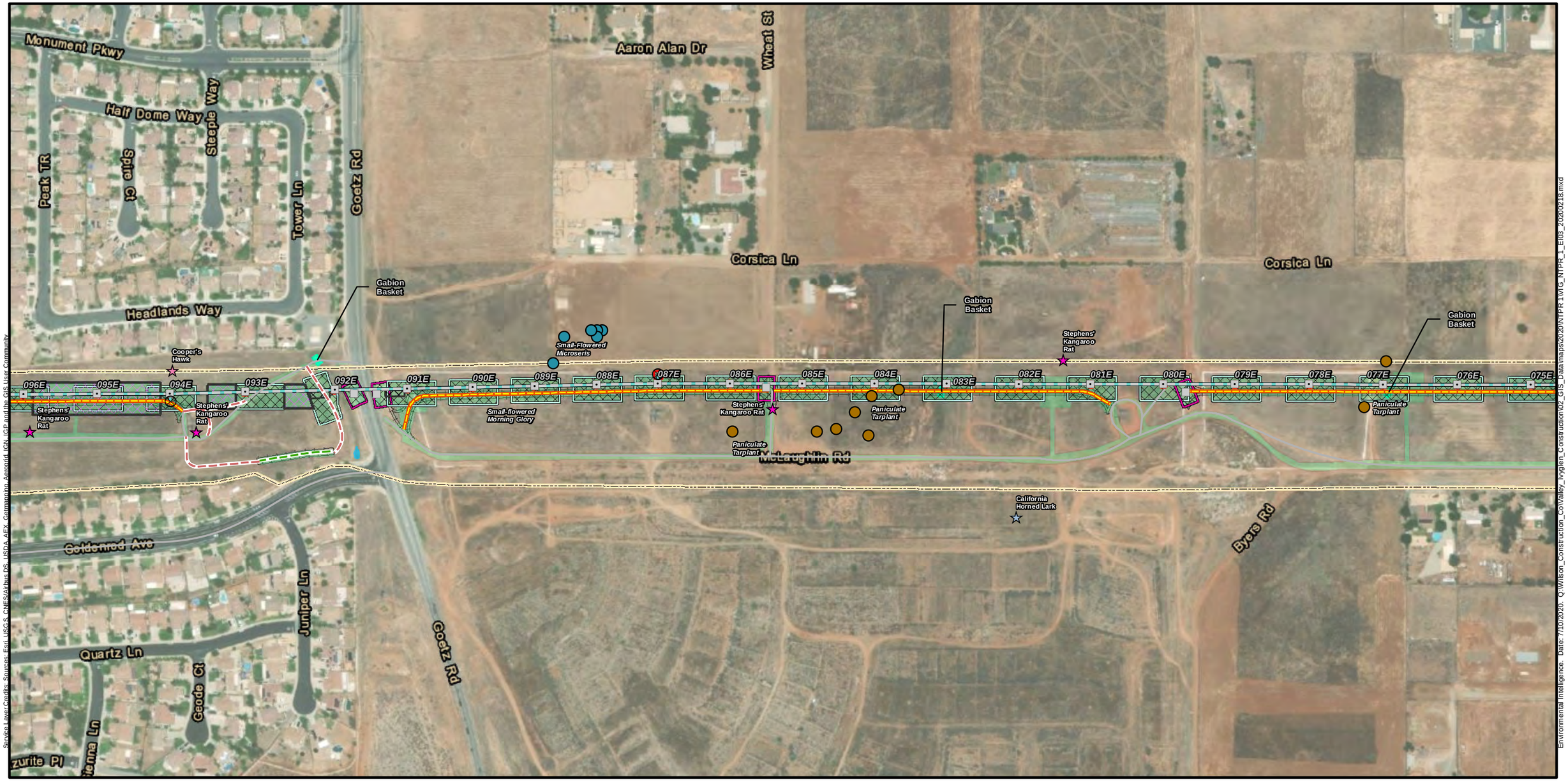


Exhibit 1. NTPR #1 Biological Resources (Page 5 of 19)
Valley-IvyGlen Subtransmission Project | Riverside County, CA

0 150 300 600 Feet

1:3,600 1 in = 300 feet



Project Structures
- Guard Pole
- Guy Anchor
- Monopole - LWS

Subtransmission Alignment
- VIG1, OH

Telecom Alignment
- Overhead Fiber Optic Cable

Access Roads
- 0: No Improvement
- 1: Overland Travel
- 2: Minimum Improvement
- 5: Design Road

Construction Work Areas
- Anchor Work Area
- CPUC Buffer
- Guard Site
- Pole Impact Areas
- Pull Site
- Structure Work Area

Telcom Pull Site

Access Roads

SKR Buffer

Drainage Control Features
- Gabion Basket

Sensitive Plant Points
- Paniculate Tarplant

Small-Flowered Microseris

Sensitive Species Data
- California Horned Lark
- Cooper's Hawk
- Stephens' Kangaroo Rat

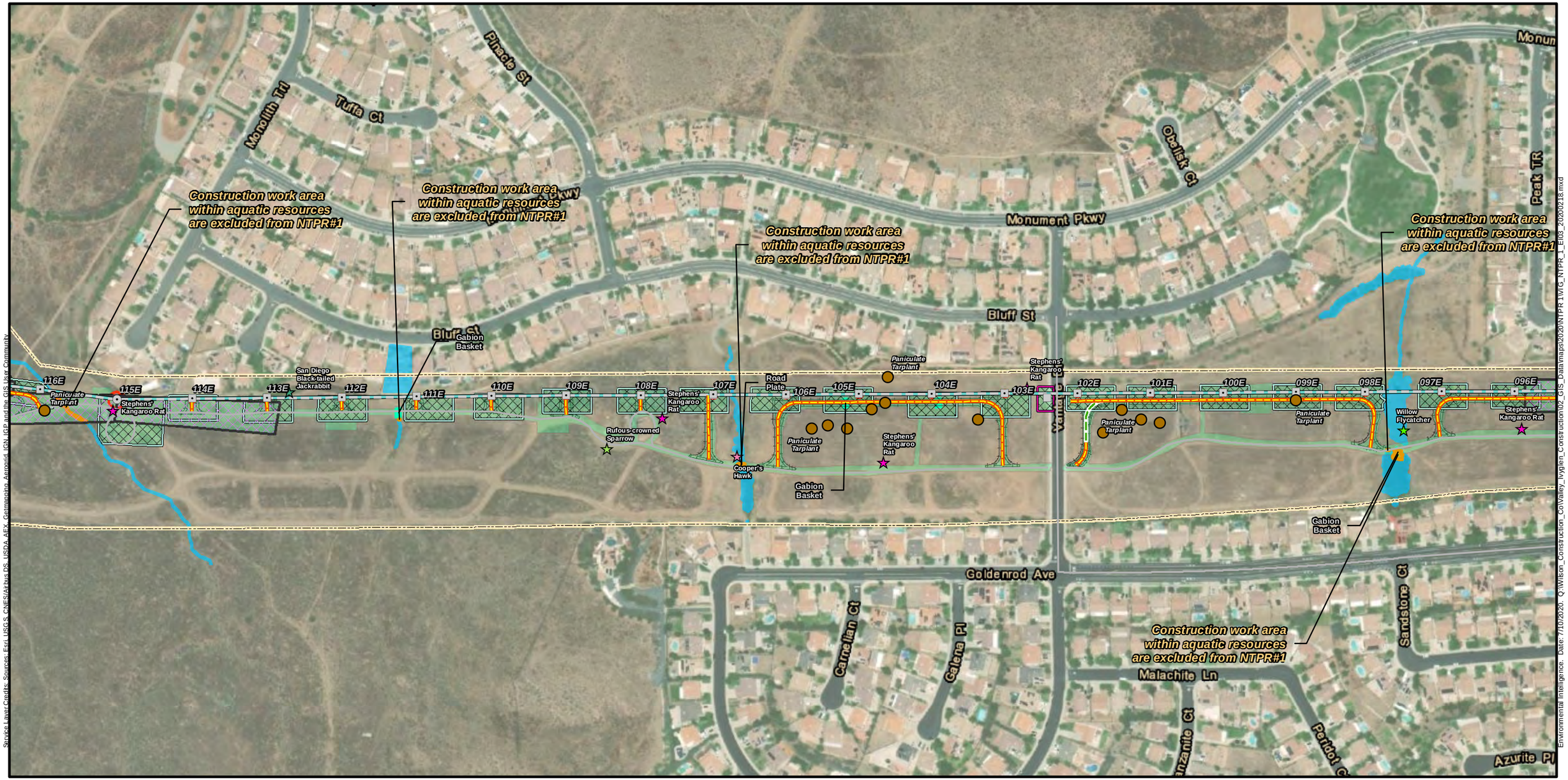
MSHCP Riparian/Riverine Resources
- MSHCP Riparian/Riverine Resources

Exhibit 1. NTPR #1 Biological Resources (Page 6 of 19)
Valley-IvyGlen Subtransmission Project | Riverside County, CA

0 150 300 600 Feet

1:3,600 1 in = 300 feet

Environmental Intelligence. Date: 7/10/2020. Q:\Wilson_Construction_CoValley_Ivyglen_Construction\02_GIS_Data\mapsx\2020\NTPR1\MG_NTPR_1_Ex03_20200218.mxd



Project Structures
- Guard Pole
- Monopole - LWS
- Monopole - TSP

Subtransmission Alignment
- VIG1, OH

Telecom Alignment
- Overhead Fiber Optic Cable

Access Roads
- 0: No Improvement
- 2: Minimum Improvement
- 5: Design Road

Waters Work Areas
- Excluded from NTPR #1

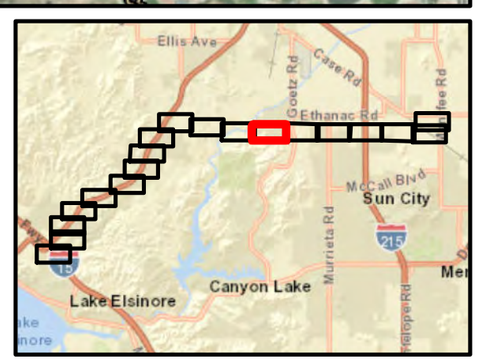
Construction Work Areas
- CPUC Buffer
- Guard Site
- Pole Impact Areas
- Pull Site
- Structure Work Area
- Access Roads
- SKR Buffer

Drainage Control Features
- Gabion Basket
- Road Plate

Sensitive Plant Points
- Paniculate Tarplant

Sensitive Species Data
- Cooper's Hawk
- Rufous-crowned Sparrow
- San Diego Black-tailed Jackrabbit
- Stephens' Kangaroo Rat
- Willow Flycatcher

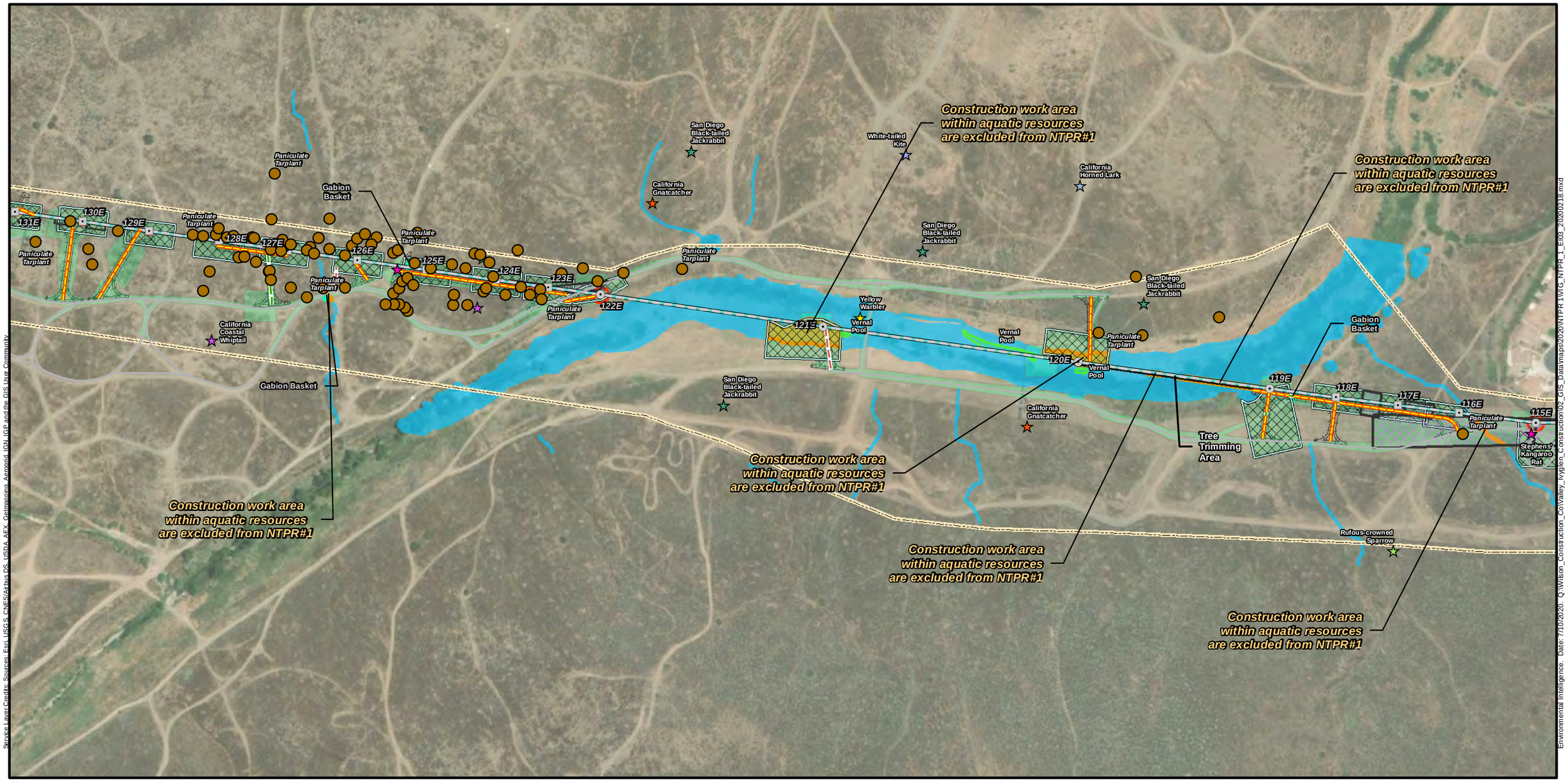
MSHCP Riparian/Riverine Resources
- MSHCP Riparian/Riverine Resources



0 150 300 600 Feet

1:3,600 1 in = 300 feet

Exhibit 1. NTPR #1 Biological Resources (Page 7 of 19)
Valley-IvyGlen Subtransmission Project | Riverside County, CA



Project Structures
- Monopole - LWS
- Monopole - TSP

Subtransmission Alignment
- VIG1, OH

Telecom Alignment
- Overhead Fiber Optic Cable

Access Roads
- 0: No Improvement
- 1: Overland Travel
- 2: Minimum Improvement
- 5: Design Road

Waters Work Areas
- Excluded from NTPR #1

Construction Work Areas
- CPUC Buffer
- Pole Impact Areas
- Pull Site
- Structure Work Area
- Telcom Pull Site
- Tree Trimming Area

Access Roads
- SKR Buffer

Drainage Control Features
- Gabion Basket

Sensitive Plant Points
- Paniculate Tarplant

Sensitive Species Data
- California Coastal Whiptail
- California Gnatcatcher
- California Horned Lark
- Rufous-crowned Sparrow
- San Diego Black-tailed Jackrabbit
- Stephens' Kangaroo Rat
- White-tailed Kite
- Yellow Warbler

Sensitive Habitat
- Vernal Pool

MSHCP Riparian/Riverine Resources
- MSHCP Riparian/Riverine Resources

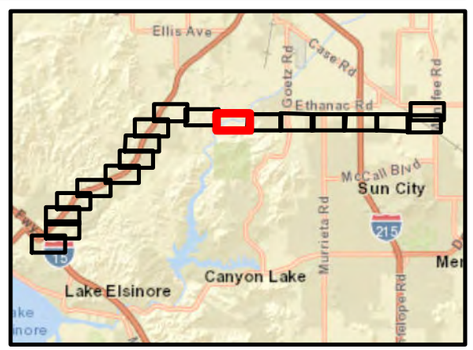


Exhibit 1. NTPR #1 Biological Resources (Page 8 of 19)
Valley-IvyGlen Subtransmission Project | Riverside County, CA

0 150 300 600 Feet

1:3,600 1 in = 300 feet

Construction work area within aquatic resources are excluded from NTPR#1

Rip Rap

Culvert

Gabion Basket

Gabion Basket

Paniculate Tarplant

Rufous-crowned Sparrow

145E

California Gnatcatcher

California Gnatcatcher

California Horned Lark

Rufous-crowned Sparrow

Paniculate Tarplant

Paniculate Tarplant

144E

Rufous-crowned Sparrow

288E

281E

Stephens' Kangaroo Rat

VZ

232E

M P1

M P2

143E

998E

142E

P2

141E

140E

139E

138E

Rip Rap

Rufous-crowned Sparrow

Rufous-crowned Sparrow

137E

Cooper's Hawk

Least Bell's Vireo

Least Bell's Vireo

Rufous-crowned Sparrow

Tree Trimming Area

California Coastal Whiptail

Rufous-crowned Sparrow

White-tailed Kite

Least Bell's Vireo

San Diego Black-tailed Jackrabbit

Least Bell's Vireo

135E

Least Bell's Vireo

Least Bell's Vireo

134E

Paniculate Tarplant

Least Bell's Vireo

San Diego Black-tailed Jackrabbit

San Diego Black-tailed Jackrabbit

133E

Paniculate Tarplant

Stephens' Kangaroo Rat

Rufous-crowned Sparrow

132E

Stephens' Kangaroo Rat

Rufous-crowned Sparrow

131E

130E

Paniculate Tarplant

Least Bell's Vireo

Construction work area within aquatic resources are excluded from NTPR#1

Road Plate

Construction work area within aquatic resources are excluded from NTPR#1

Lemitar Dr

Keystone Dr

Keystone Rd

McPherson Rd

El Fresco Rd

Project Structures
- Guard Pole
- Monopole - LWS
- Monopole - TSP
- Monopole - Wood

Subtransmission Alignment
- VIG1, OH

Telecom Alignment
- Overhead Fiber Optic Cable

Access Roads
- 0: No Improvement
- 1: Overland Travel
- 2: Minimum Improvement
- 5: Design Road

Waters Work Areas
- Excluded from NTPR #1

Construction Work Areas
- CPUC Buffer
- Guard Site
- Pole Impact Areas
- Pull Site
- Structure Work Area

Telcom Pull Site
Tree Trimming Area
Access Roads
SKR Buffer

Drainage Control Features
- Culvert
- Gabion Basket
- Rip Rap

Road Plate

Sensitive Plant Points
- Paniculate Tarplant

Sensitive Species Data
- California Coastal Whiptail
- California Gnatcatcher
- California Horned Lark
- Cooper's Hawk

- Least Bell's Vireo
- Rufous-crowned Sparrow
- San Diego Black-tailed Jackrabbit
- Stephens' Kangaroo Rat
- White-tailed Kite

MSHCP Riparian/Riverine Resources
- MSHCP Riparian/Riverine Resources

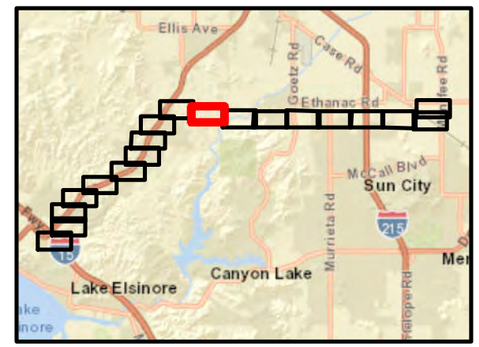


Exhibit 1. NTPR #1 Biological Resources (Page 9 of 19)
Valley-IvyGlen Subtransmission Project | Riverside County, CA

0 150 300 600 Feet

1:3,600 1 in = 300 feet

Ethanac Rd

Ethanac Rd

Ethanac Rd

Construction work area within aquatic resources are excluded from NTPR#1

Joe 74 Yard-Alt Extension

Joe 74 Yard

Festus Cir

Eugene St

Theda St

Rip Rap

Gabion Basket

Culvert

Western Spadefoot Toad

Burrowing Owl

Cooper's Hawk

Orange-Throated Whiptail

Lawrence's Goldfinch

Stephens' Kangaroo Rat

San Diego Black-tailed Jackrabbit

Long-Spined Spineflower

Parry's Spineflower

California Horned Lark

Rufous-crowned Sparrow

California Gnatcatcher

Paniculate Tarplant

P1

P2

163E 162E 161E 160E 159E 158E 157E 156E 155E 154E 153E 152E 151E 150E 149E 148E 147E 146E

164E 165E 166E 167E 168E 169E 000E 529E 170E 593E 507E 171E 172E 173E

74

Project Structures
- Guard Pole
- Guy Anchor
- Monopole - LWS
- Monopole - TSP
- Monopole - Wood

Subtransmission Alignment
- VIG1, OH
- VIG2, OH

Telecom Alignment
- Overhead Fiber Optic Cable
- Underground Fiber Optic in new conduit

Access Roads
- 0: No Improvement
- 1: Overland Travel
- 2: Minimum Improvement
- 5: Design Road

Waters Work Areas
- Excluded from NTPR #1

Construction Work Areas
- Anchor Work Area
- CPUC Buffer
- Guard Site
- Pole Impact Areas
- Pull Site
- Structure Work Area
- Telcom Pull Site
- Trenching
- Access Roads
- SKR Buffer
- Material Yard

Drainage Control Features
- Culvert
- Gabion Basket
- Rip Rap

Sensitive Plant Points
- Long-Spined Spineflower
- Paniculate Tarplant

Sensitive Species Data
- Burrowing Owl
- California Gnatcatcher
- California Horned Lark
- Cooper's Hawk
- Lawrence's Goldfinch
- Orange-Throated Whiptail
- Rufous-crowned Sparrow
- San Diego Black-tailed Jackrabbit
- Stephens' Kangaroo Rat
- Western Spadefoot Toad

Sensitive Plant Polygons
- Paniculate Tarplant

MSHCP Riparian/Riverine Resources
- MSHCP Riparian/Riverine Resources

Ellis Ave
Goetz Rd
Case Rd
Ethanac Rd
McCall Blvd
Sun City
Murrieta Rd
Menifee Rd
Lake Elsinore
Canyon Lake
215

Exhibit 1. NTPR #1 Biological Resources (Page 10 of 19)
Valley-IvyGlen Subtransmission Project | Riverside County, CA

0 150 300 600 Feet

1:3,600 1 in = 300 feet

Sources: Esri, USGS, NOAA, AEX, Esri, USGS, CNES/Airbus DS, USDA, AEX, Esri, USGS, CNES/Airbus DS, USDA, AEX, Esri Community Maps Contributors, County of Riverside, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, Esri, USGS, AEX, Esri Community Maps Contributors, County of Riverside, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, Esri, USGS, AEX, Esri Community

Environmental Intelligence. Date: 7/10/2020. Q:\Wilson_Construction_Corridor_Valley_Ivyglen_Construction\02_GIS_Data\mxds\2020\NTPR#1\MG_NTPR_1_EI03_20200218.mxd

Project Structures
- Guard Pole
- Guy Anchor
- Monopole - Wood

Subtransmission Alignment
- VIG2, OH

Telecom Alignment
- Overhead Fiber Optic Cable

Access Roads
- 0: No Improvement
- 1: Overland Travel

Construction Work Areas
- Anchor Work Area

CPUC Buffer
- Guard Site
- Pole Impact Areas
- Structure Work Area
- SKR Buffer

Sensitive Species Data
- Bell's Sage Sparrow

MSHCP Riparian/Riverine Resources
- MSHCP Riparian/Riverine Resources

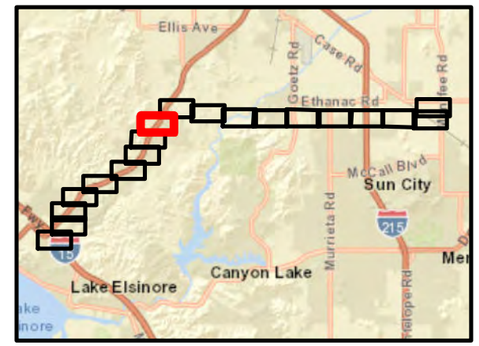


Exhibit 1. NTPR #1 Biological Resources (Page 11 of 19)
Valley-IvyGlen Subtransmission Project | Riverside County, CA

0 150 300 600 Feet

1:3,600 1 in = 300 feet

Project Structures
- Guard Pole
- Guy Anchor
- Monopole - Wood

Subtransmission Alignment
- VIG2, OH

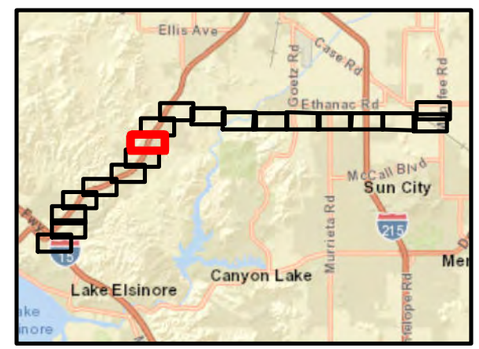
Telecom Alignment
- Overhead Fiber Optic Cable

Access Roads
- 0: No Improvement
- 1: Overland Travel

Construction Work Areas
- Anchor Work Area
- CPUC Buffer
- Guard Site
- Pole Impact Areas
- Pull Site
- Structure Work Area
- SKR Buffer

Sensitive Species Data
- California Horned Lark
- Rufous-crowned Sparrow

MSHCP Riparian/Riverine Resources
- MSHCP Riparian/Riverine Resources



0 150 300 600 Feet

1:3,600 1 in = 300 feet

Exhibit 1. NTPR #1 Biological Resources (Page 12 of 19)
Valley-IvyGlen Subtransmission Project | Riverside County, CA

Meadowbrook Ave
Greenwald Ave
Senola Ave
Peach St
Read St
Irma St
Wallace St
Beryl St
Construction work area within aquatic resources are excluded from NTPR#1
200E
099E
850E
201E
202E
203E
9805
204E
0055
205E
206E
180E
COMM
207E
208E
209E
210E
977E
976E
212E
213E
214E
215E
456E
216E
678E
552E
563E
P1
P2
M P1
74

Project Structures
- Guard Pole
- Guy Anchor
- Monopole - Wood

Subtransmission Alignment
- VIG2, OH

Telecom Alignment
- Overhead Fiber Optic Cable

Access Roads
- 0: No Improvement
- 1: Overland Travel

Waters Work Areas
- Excluded from NTPR #1

Construction Work Areas
- Anchor Work Area
- CPUC Buffer
- Guard Site
- Pole Impact Areas
- Pull Site
- Structure Work Area

Telcom Pull Site
SKR Buffer
MSHCP Riparian/Riverine Resources
- MSHCP Riparian/Riverine Resources

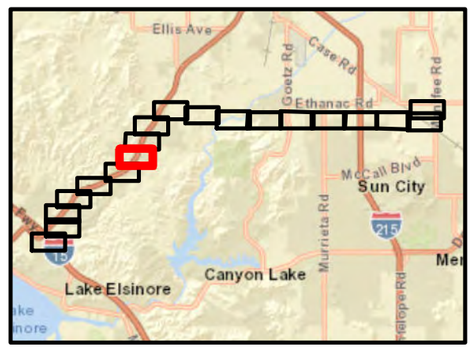


Exhibit 1. NTPR #1 Biological Resources (Page 13 of 19)
Valley-IvyGlen Subtransmission Project | Riverside County, CA

0 150 300 600 Feet
1:3,600 1 in = 300 feet

Construction work area within aquatic resources are excluded from NTPR#1

Project Structures
- Guard Pole
- Guy Anchor
- Monopole - Wood

Subtransmission Alignment
- VIG2, OH

Telecom Alignment
- Overhead Fiber Optic Cable

Access Roads
- 0: No Improvement
- 1: Overland Travel
- 2: Minimum Improvement
- 5: Design Road

Waters Work Areas
- Excluded from NTPR #1

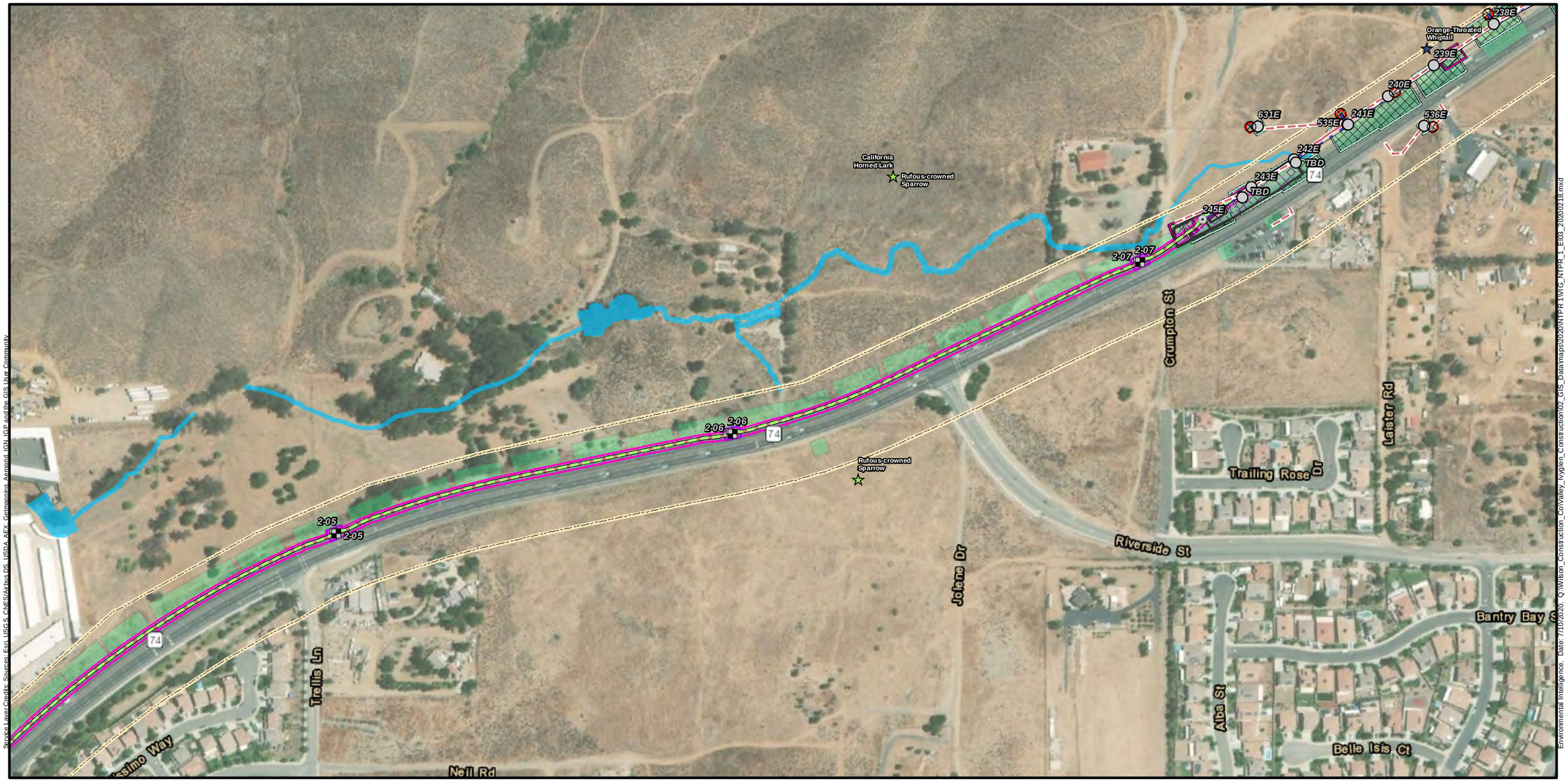
Construction Work Areas
- Anchor Work Area
- CPUC Buffer
- Guard Site
- Pole Impact Areas
- Pull Site
- Structure Work Area
- Access Roads
- SKR Buffer

Sensitive Species Data
- Cooper's Hawk
- Orange-Throated Whiptail
- Yellow Warbler

MSHCP Riparian/Riverine Resources
- MSHCP Riparian/Riverine Resources

Exhibit 1. NTPR #1 Biological Resources (Page 14 of 19)
Valley-IvyGlen Subtransmission Project | Riverside County, CA

0 150 300 600 Feet
1:3,600 1 in = 300 feet



Project Structures
- Guard Pole
- Guy Anchor
- Monopole - TSP
- Monopole - Wood
- Pullbox
- Vault

Subtransmission Alignment
- VIG2, OH
- VIG2, UG

Telecom Alignment
- Overhead Fiber Optic Cable
- Underground Fiber Optic in new conduit

Access Roads
- 0: No Improvement
- 1: Overland Travel

Construction Work Areas
- Anchor Work Area
- CPUC Buffer
- Guard Site
- Pole Impact Areas
- Pull Site
- Structure Work Area
- Telcom Pull Site
- Vault Work Area
- Trenching
- SKR Buffer

Sensitive Species Data
- California Horned Lark
- Orange-Throated Whiptail
- Rufous-crowned Sparrow

MSHCP Riparian/Riverine Resources
- MSHCP Riparian/Riverine Resources

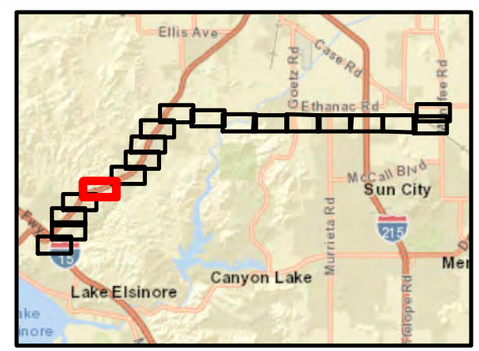
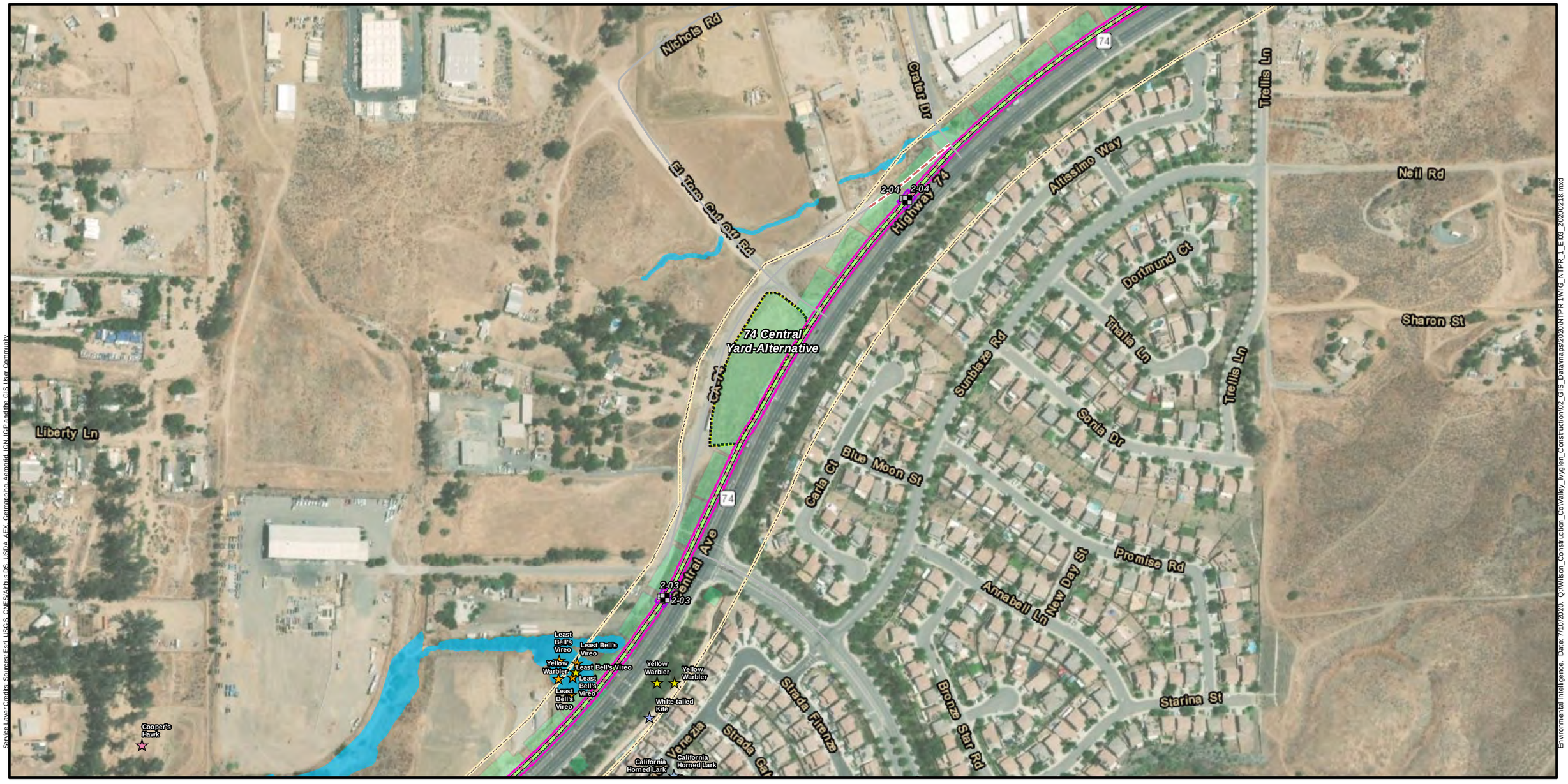


Exhibit 1. NTPR #1 Biological Resources (Page 15 of 19)
Valley-IvyGlen Subtransmission Project | Riverside County, CA

0 150 300 600 Feet

1:3,600 1 in = 300 feet



Project Structures
- Pullbox
- Vault

Subtransmission Alignment
- VIG2, UG

Telecom Alignment
- Underground Fiber Optic in new conduit

Access Roads
- 0: No Improvement
- 1: Overland Travel

Construction Work Areas
- CPUC Buffer
- Vault Work Area
- Trenching

SKR Buffer
- Material Yard

Sensitive Species Data
- California Horned Lark
- Cooper's Hawk
- Least Bell's Vireo
- White-tailed Kite
- Yellow Warbler

MSHCP Riparian/Riverine Resources
- MSHCP Riparian/Riverine Resources

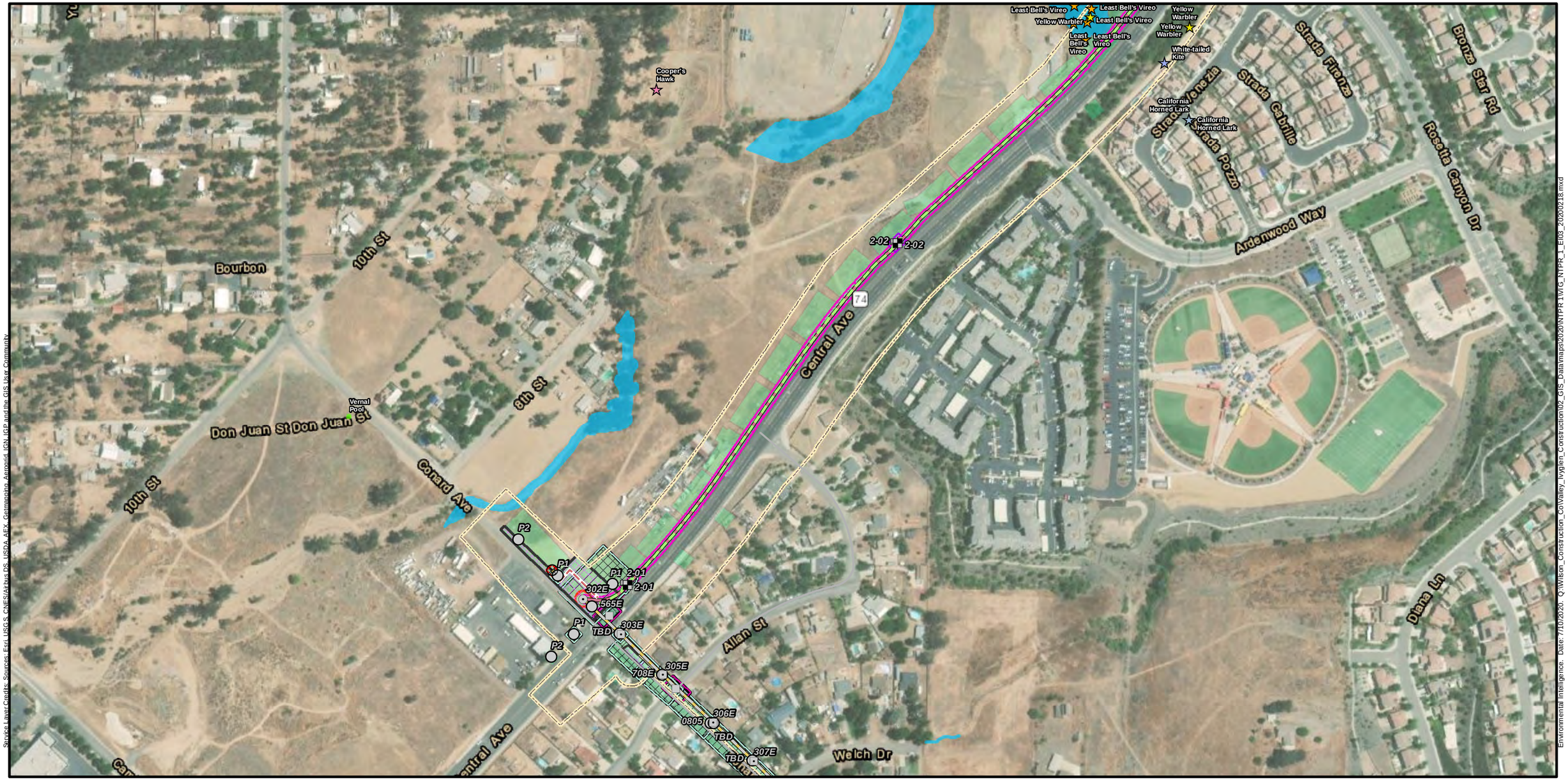
Exhibit 1. NTPR #1 Biological Resources (Page 16 of 19)
Valley-IvyGlen Subtransmission Project | Riverside County, CA

0 150 300 600 Feet

1:3,600 1 in = 300 feet

Service Layer Credits: Sources: Esri, USGS, CNES/Airbus DS, USDA, AEX, Getmapping, Aerogrid, IGN, IGP, and the GIS User Community

Environmental Intelligence Date: 7/10/2020 Q:\Wilson_Construction_Co\Valley_Ivyglen_Construction\02_GIS_Data\mapfiles\2020\NTPR1\MXD\G_NTPR_1_Ex03_20200218.mxd



Project Structures
- Guard Pole
- Guy Anchor
- Monopole - LWS
- Monopole - TSP
- Monopole - Wood
- Pullbox
- Vault

Subtransmission Alignment
- VIG2, UG
- VIG3, OH

Telecom Alignment
- Overhead Fiber Optic Cable
- Underground Fiber Optic in new conduit

Access Roads
- 0: No Improvement
- 1: Overland Travel

Construction Work Areas
- Anchor Work Area
- CPUC Buffer
- Guard Site
- Pole Impact Areas
- Pull Site
- Structure Work Area
- Vault Work Area
- Trenching
- SKR Buffer

Sensitive Species Data
- California Horned Lark
- Cooper's Hawk
- Least Bell's Vireo
- White-tailed Kite
- Yellow Warbler

Sensitive Habitat
- Vernal Pool

MSHCP Riparian/Riverine Resources
- MSHCP Riparian/Riverine Resources

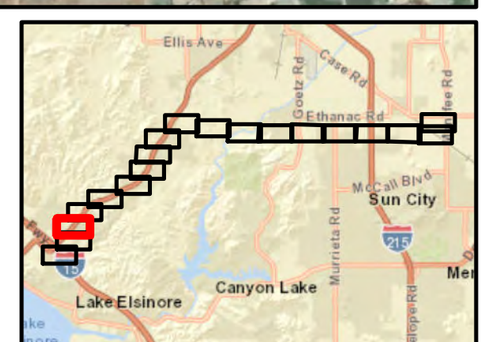
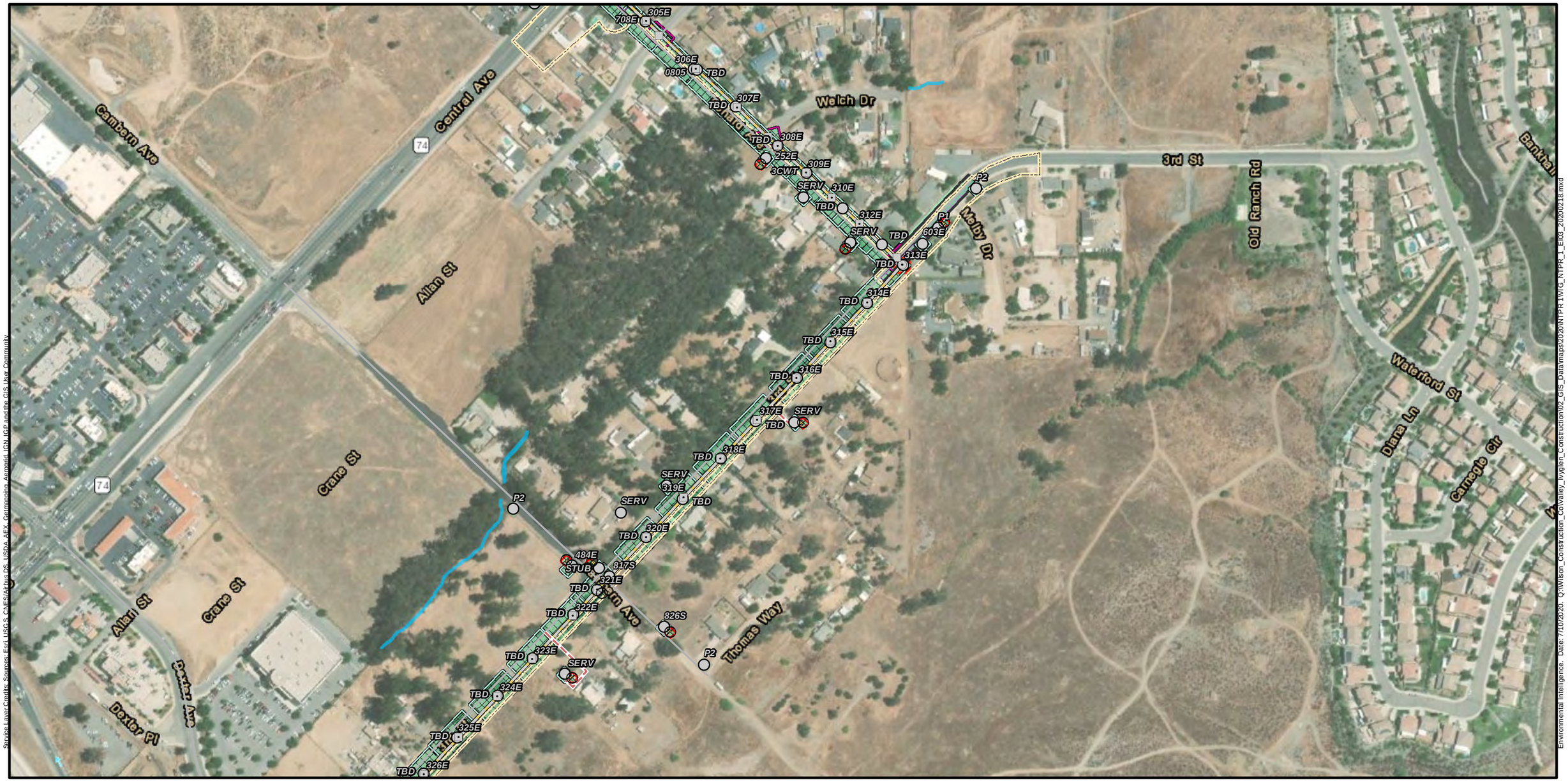


Exhibit 1. NTPR #1 Biological Resources (Page 17 of 19)
Valley-IvyGlen Subtransmission Project | Riverside County, CA

0 150 300 600 Feet

1:3,600 1 in = 300 feet



Project Structures
- Guard Pole
- Guy Anchor
- Monopole - LWS
- Monopole - TSP
- Monopole - Wood

Subtransmission Alignment
- VIG3, OH

Telecom Alignment
- Overhead Fiber Optic Cable

Access Roads
- 0: No Improvement
- 1: Overland Travel

Construction Work Areas
- Anchor Work Area
- CPUC Buffer
- Guard Site
- Pole Impact Areas
- Pull Site
- Structure Work Area

SKR Buffer

MSHCP Riparian/Riverine Resources
- MSHCP Riparian/Riverine Resources

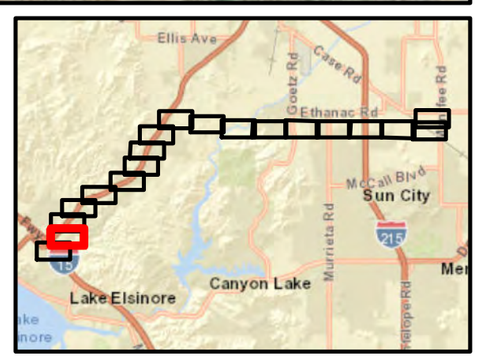
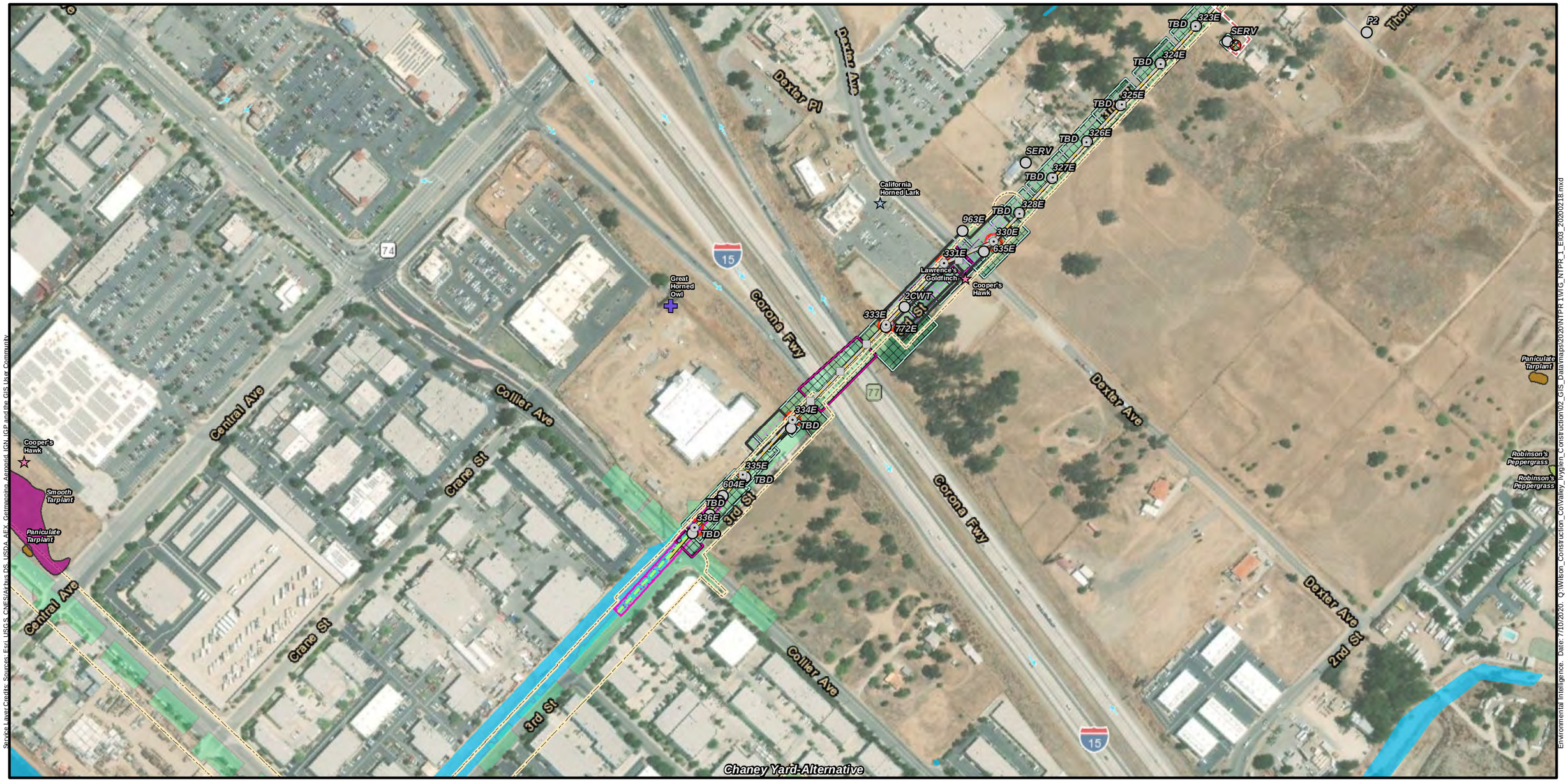


Exhibit 1. NTPR #1 Biological Resources (Page 18 of 19)
Valley-IvyGlen Subtransmission Project | Riverside County, CA

0 150 300 600 Feet

1:3,600 1 in = 300 feet



Project Structures
- Guard Pole
- Guy Anchor
- Monopole - LWS
- Monopole - TSP
- Monopole - Wood

Subtransmission Alignment
- VIG3, OH

Telecom Alignment
- Overhead Fiber Optic Cable
- Underground Fiber Optic in new conduit

Access Roads
- 0: No Improvement
- 1: Overland Travel

Construction Work Areas
- Anchor Work Area
- CPUC Buffer
- Guard Site
- Pole Impact Areas
- Pull Site
- Structure Work Area
- Telcom Pull Site
- Trenching
- SKR Buffer
- Material Yard

Bird Nests
- Great Horned Owl

Sensitive Species Data
- California Horned Lark
- Cooper's Hawk
- Lawrence's Goldfinch

Sensitive Plant Polygons
- Paniculate Tarplant
- Robinson's Peppergrass
- Smooth Tarplant

MSHCP Riparian/Riverine Resources
- MSHCP Riparian/Riverine Resources

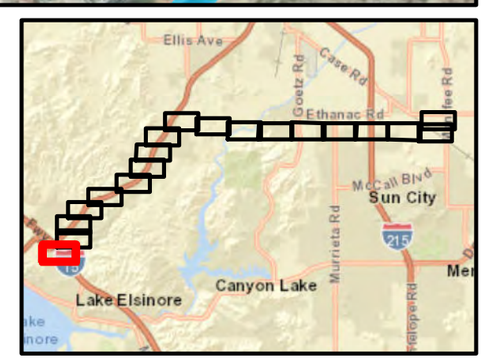


Exhibit 1. NTPR #1 Biological Resources (Page 19 of 19)
Valley-IvyGlen Subtransmission Project | Riverside County, CA

0 150 300 600 Feet

1:3,600 1 in = 300 feet

Attachment B

Cultural Resources Review

April 29, 2020

Matt Hooge
Senior Environmental Manager
Wilson Construction Company
1190 NW 3rd Avenue
Canby, OR 97013
E: mhooge@wilsonconst.com

RE: Cultural Resources Notice to Proceed Request #1 for the Valley Substation and Added Workstations for the Southern California Edison Valley Ivyglen Subtransmission Line Project, Riverside County, California

Southern California Edison Company (SCE) is proposing construction of the Valley-Ivyglen (VIG) 115 Kilovolt (kV) Subtransmission Line Project (Project) which entails a new, single circuit 115-kV subtransmission line to connect the existing Valley Substation (near Perris, California) to the existing Ivyglen Substation (near Lake Elsinore, California) in western Riverside County. Paleo Solutions, Inc. (Paleo Solutions) has been contracted by Wilson Construction Company (Wilson) to complete field surveys and inventories of new Project areas and amend the Cultural Resources Monitoring and Treatment Plan (CRMTP) to reflect the new project design and results of new surveys.

This archaeological memorandum summarized the results of the cultural resources investigations to date and includes an analysis of the proposed use of the Valley Yard and an additional 140 workstations. This memorandum was completed in accordance with the California Environmental Quality Act (CEQA), the stipulations and Mitigation Measures (MMs) included in the Cultural Resources section of the Project's Final Environmental Impact Report (FEIR) (Ecology and Environment, Inc. [E & E 2017 and E & E 2018) as well as the CRMTP (Chandler and Denniston 2020).

Project Location and Description

The Valley-Ivyglen Project spans from the existing Valley Substation in the City of Menifee to the existing Ivyglen Substation to the west (Attachment A: Figure 1). The Project consists of eight segments (VIG1 through VIG8) and would be constructed in two phases: Phase 1 consists of Segments VIG1, VIG2, and VIG3 (approximately 13.1 miles) and Phase 2 consisting of Segments VIG4 through VIG8 (approximately 11.5 miles). The Valley-Ivyglen Project crosses Interstate 215 (I-215), State Route 74 (SR-74), and Interstate 15. Fiber optic lines would be installed overhead on the proposed structures and underground in new and existing conduits.

The Valley-Ivyglen Project would involve:

- Construction of a new, single-circuit 115-kV subtransmission line and fiber optic line.
- Installation of overhead fiber optic lines on the proposed structures and underground in new (approximately 5,400 feet) and existing (approximately 13,200 feet) conduit.

- Transfer of existing distribution circuits along portions of the proposed subtransmission line to new 115-kV structures or to underground positions.
- Installation of new 115-kV switching and protective equipment at Valley and Ivyglen substations.

The current Notice to Proceed Request (NTPR) #1 covers Segments VIG1, VIG2, and VIG3 (Phase 1). Segments VIG4 through VIG8 (Phase 2) will be captured under a second NTPR at a later date.

Segment VIG1

Segment VIG1 would exit the Valley Substation from the southwest and extend west along the north side of the existing Serrano–Valley 500-kV Transmission Line right-of-way (ROW) to SR-74. The segment would span I-215, SR-74, and a number of roadways and cross through the City of Menifee, City of Perris, and unincorporated Riverside County. Portions of the existing distribution line would be relocated to an overhead position on a lower section of the new 115-kV structures.

Segment VIG2

This segment would follow SR-74 south, passing from unincorporated Riverside County into the City of Lake Elsinore. The segment would then follow along the western side of SR-74 to Conard Avenue. Sections of Segment VIG2 would follow an existing distribution line ROW, and in these areas, the existing distribution line would be relocated to an overhead position on a lower section of the new 115-kV structures. A number of guy poles would be installed on the east side of SR-74 in locations where the proposed 115-kV structures require additional support. Guy wires would span SR-74 between the proposed 115-kV structure and the guy poles.

Segment VIG3

This segment would cross SR-74 and follow Conard Avenue southeast to Third Street. It would follow Third Street southwest across I-15 and then continue southwest to Collier Avenue. Segment VIG3 would follow an existing distribution line ROW, and the distribution line would be relocated to an overhead position on a lower section of the new 115-kV structures. Guy poles would be installed in locations where the proposed 115-kV structures require additional support. Guy wires would span Third Street and Conard Street between the proposed 115-kV structure and the guy poles in several locations.

Use of the Valley Yard and 140 workstations have been added to the Project (Attachment A: Figures 2 through 29). The Valley Yard will be used for material staging only. Construction work within the workstations include the placement of additional pole structures and the installation of guy anchors. This will require ground-disturbing activities at each workstation.

Cultural Resources Investigation

The Study Area for cultural resources is defined as all areas that would be subject to ground disturbing activity associated with development of the proposed Project, along with a 100-foot buffer. The Study Area for cultural resources includes all proposed tower locations, access roads and right-of-ways, staging yards, pull sites, subtransmission lines, telecommunications lines, and underground trenching. For Segments VIG1, VIG2, and VIG3, the Study Area extends approximately 13.1 miles in length.

The original cultural resource survey was completed in 2006 by Lerch and Gray. This initial survey covered the preferred route for the proposed project, seven alternative route segments, and a 133-acre area adjacent to the preferred route. Additional surveys were conducted to cover new or modified elements of the proposed project (Brodie 2011a, Brodie 2011b, Brodie 2011c, Chmiel and Cooley 2008, Craft and Cooley 2008, Glentis 2011a, Glentis 2011b, McLean and Brodie 2012, Brodie 2012, Miller 2013, Pollock n.d., and Millington and Elzinga, 2015). Two cultural resources inventories encompassing the Valley Yard were completed in 2009 (Wilson and Eckhardt) and 2013 (Wilson and Gibson). The study included a cultural resources records search and field survey. No cultural resources were identified within Valley Yard during either investigation.

Of the 140 added workstations, 126 were included in previous cultural resources investigations. The remaining 14 workstations, totaling 0.33 acre, were not included in any of the previous investigations (Attachment A: Figures 30 to 35). As part of the current assessment, a field survey of the 0.33-acre was conducted by Paleo Solutions archaeologist, Dean Reed on April 2, 2020 (Denniston 2020). All of the workstations were surveyed using transect intervals spaced 10 meters apart. Surveyed areas were closely inspected for evidence of prehistoric or historic-age archaeological materials and historic-age structures or features.

Results and Recommendations

Cultural resources assessments encompassing the Valley Yard were completed in 2009 and 2013 with negative results. Therefore, there will be no impacts to cultural resources from use of the yard. As a result of the 2006 to 2015 investigations along the Project alignment, a total of 33 cultural resources were identified within 100 feet of Segments VIG1, VIG2, and VIG3. No additional resources were identified within the Project Study Area as a result of the current investigation.

Of the 140 added workstations, 126 were included in previous cultural resources investigations. During the current survey of the remaining 14 workstations, five were found to be located within the boundary of three previously-recorded resources. None of the three resources are newly-recorded. They were all located within the previous Study Area, but outside of areas of ground disturbance. No newly-recorded resources were identified during the current investigation of the 14 workstations. No impacts will occur to two of the three resources. Excavation activities may impact one of these resources.

A total of nine of the 33 resources could be subject to impacts from the Project. To avoid inadvertent impacts to these resources, an Environmentally Sensitive Area (ESA) will be established for each of the nine resources as outlined in the Project's CRMTP (Chandler and Denniston 2020). With implementation of these mitigation measures, use of the 140 added workstations will not result in any significant impacts to cultural resources.

Sincerely,

Evelyn N. Chandler
Principal Archaeologist & Program Director, Paleo Solutions

Attachments:
Attachment A Project Maps

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ATTACHMENT A: Project Maps

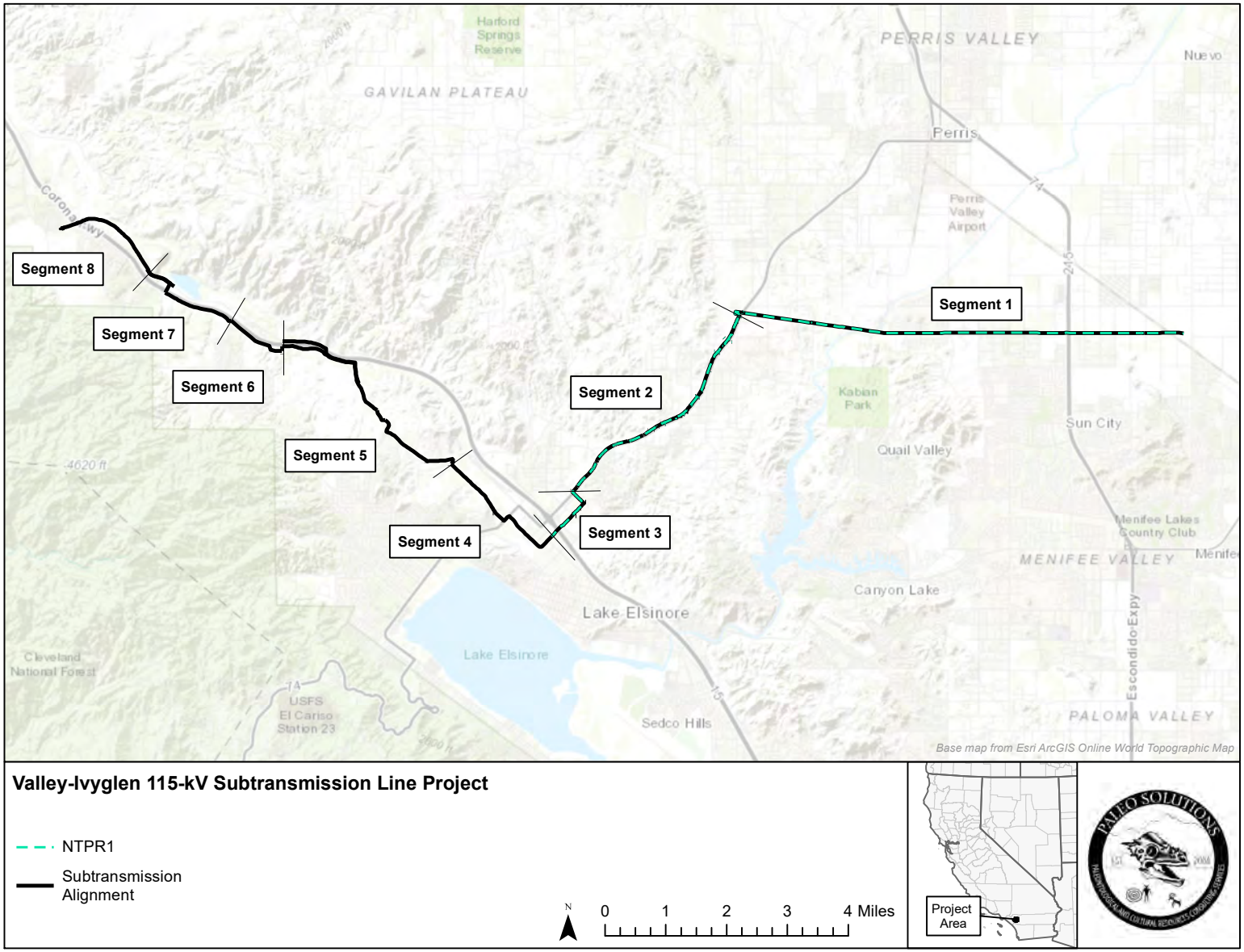
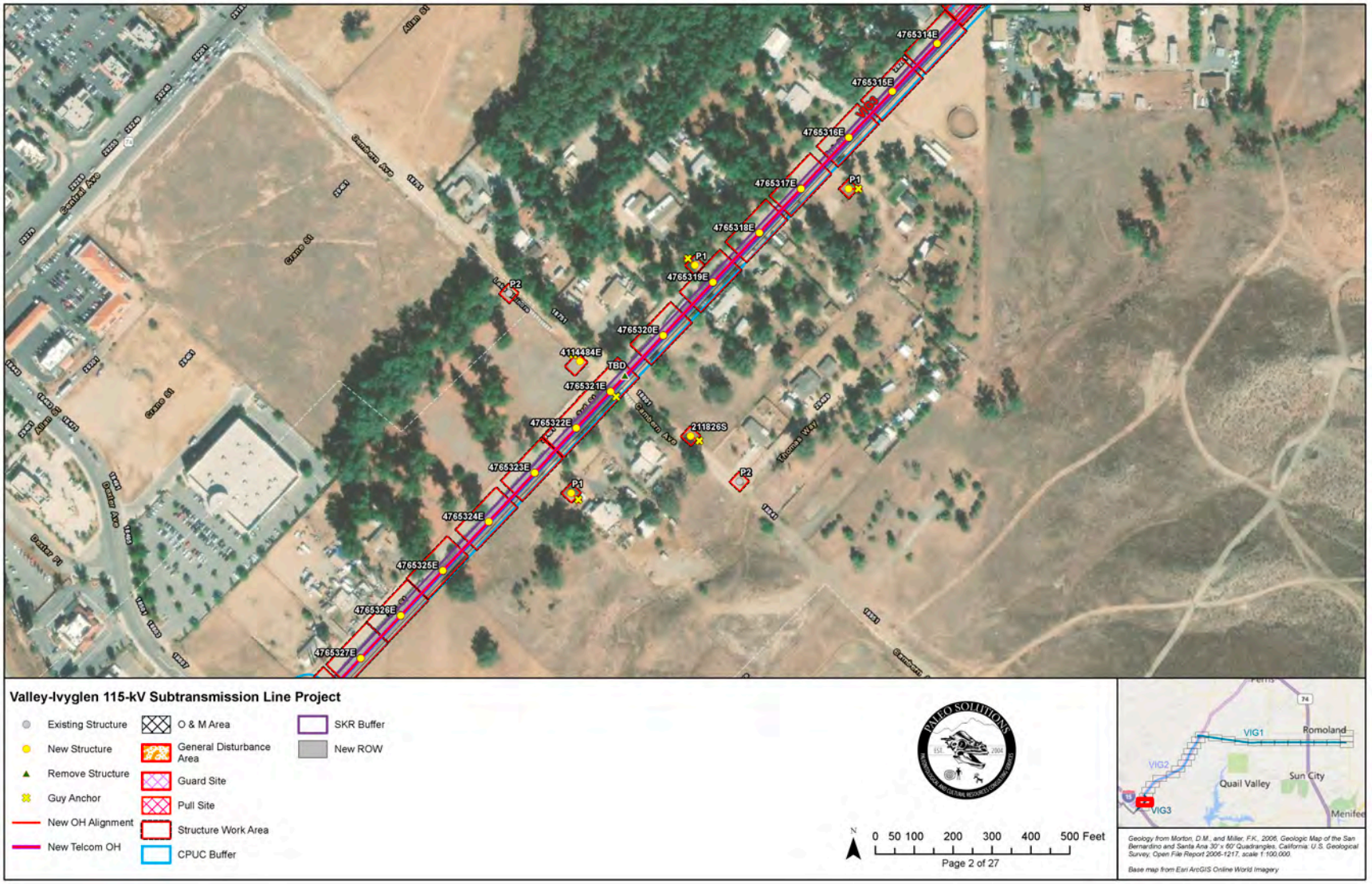


Figure A-1. Project Vicinity Map.

Figure A-2. Valley Yard Location Map.

Figure A-3. Project Location Map. Page 1 of 27.



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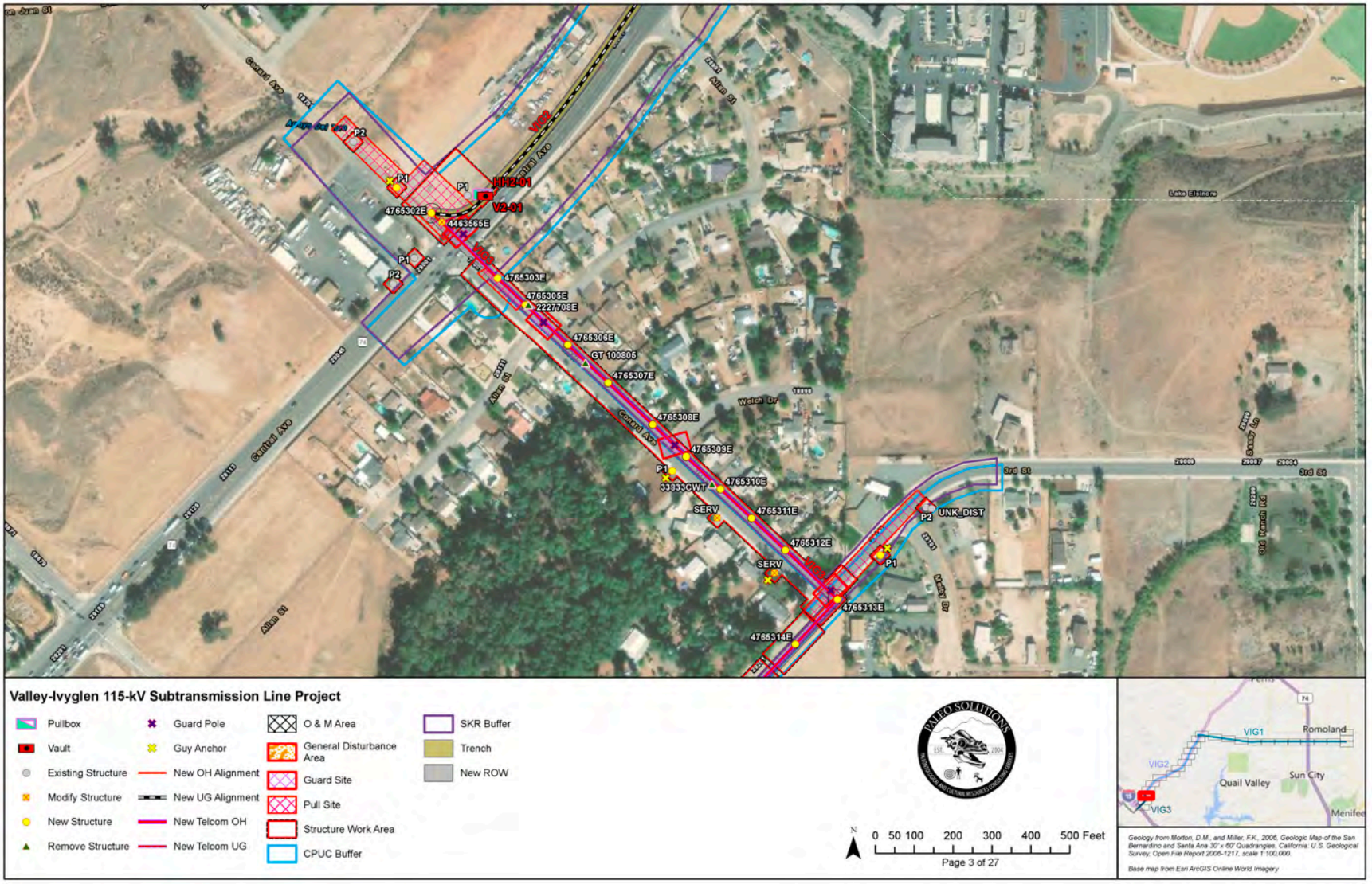

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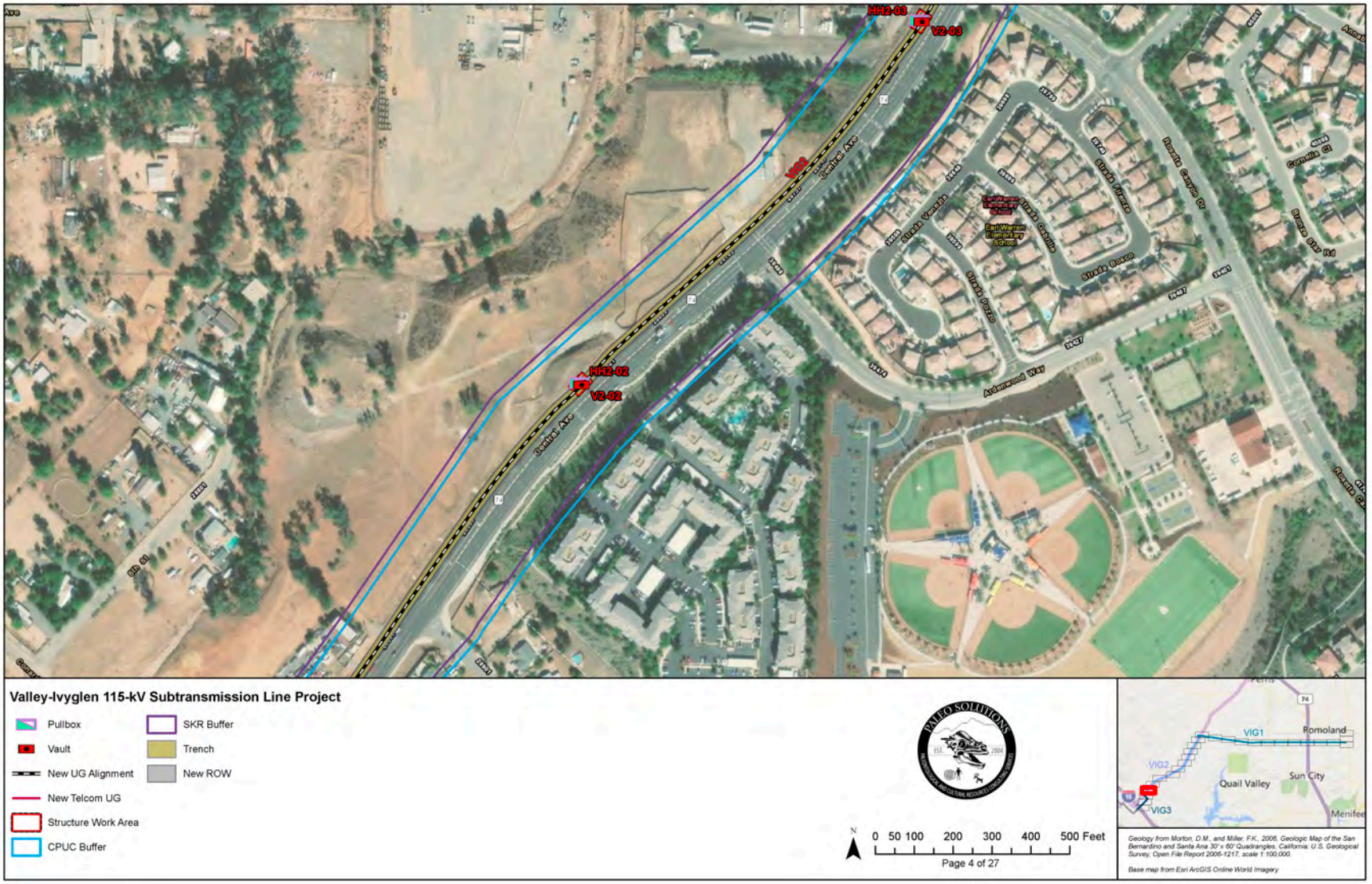

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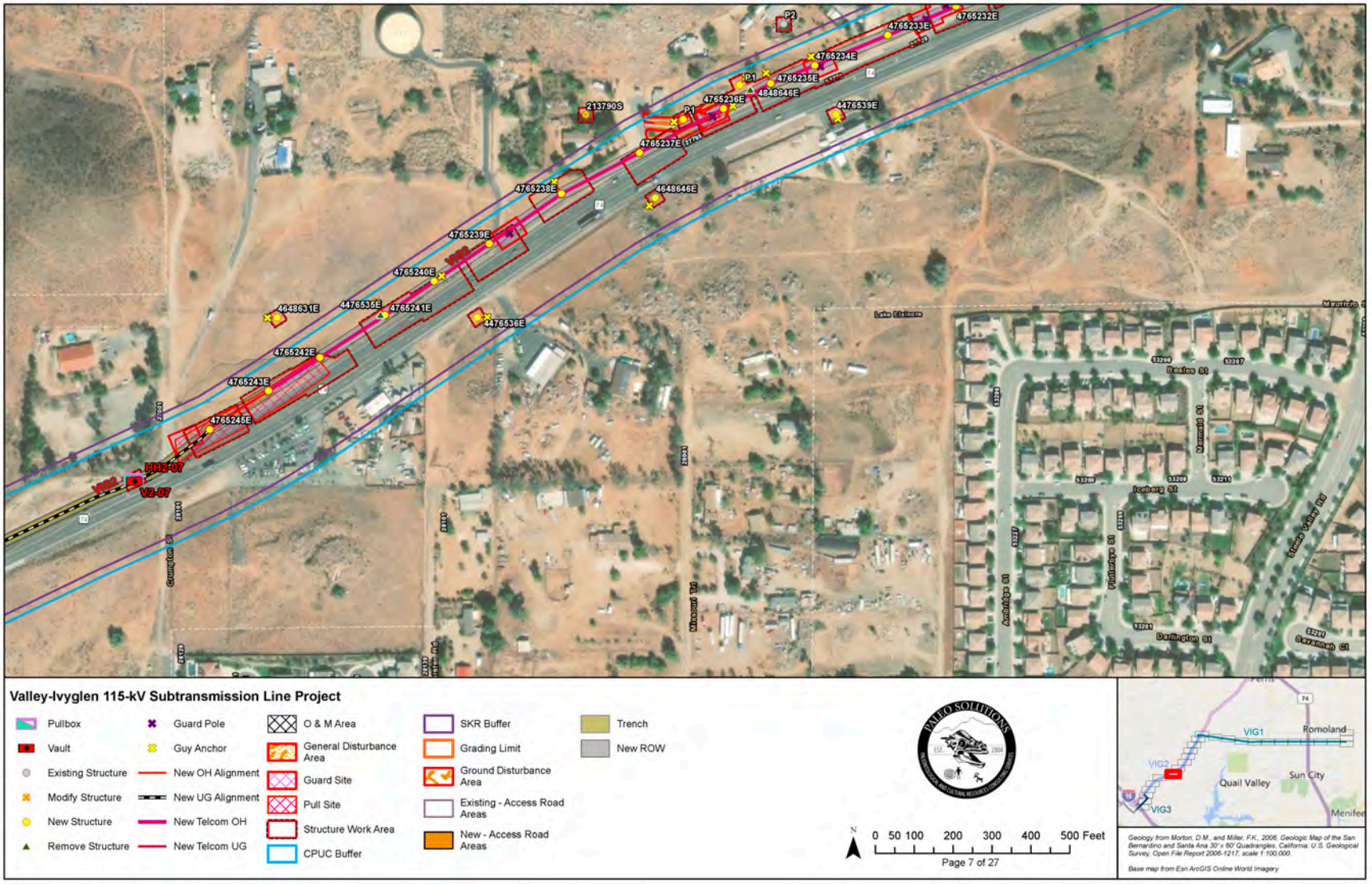
Figure A-7. Project Location Map. Page 5 of 27.

Figure A-8. Project Location Map. Page 6 of 27.



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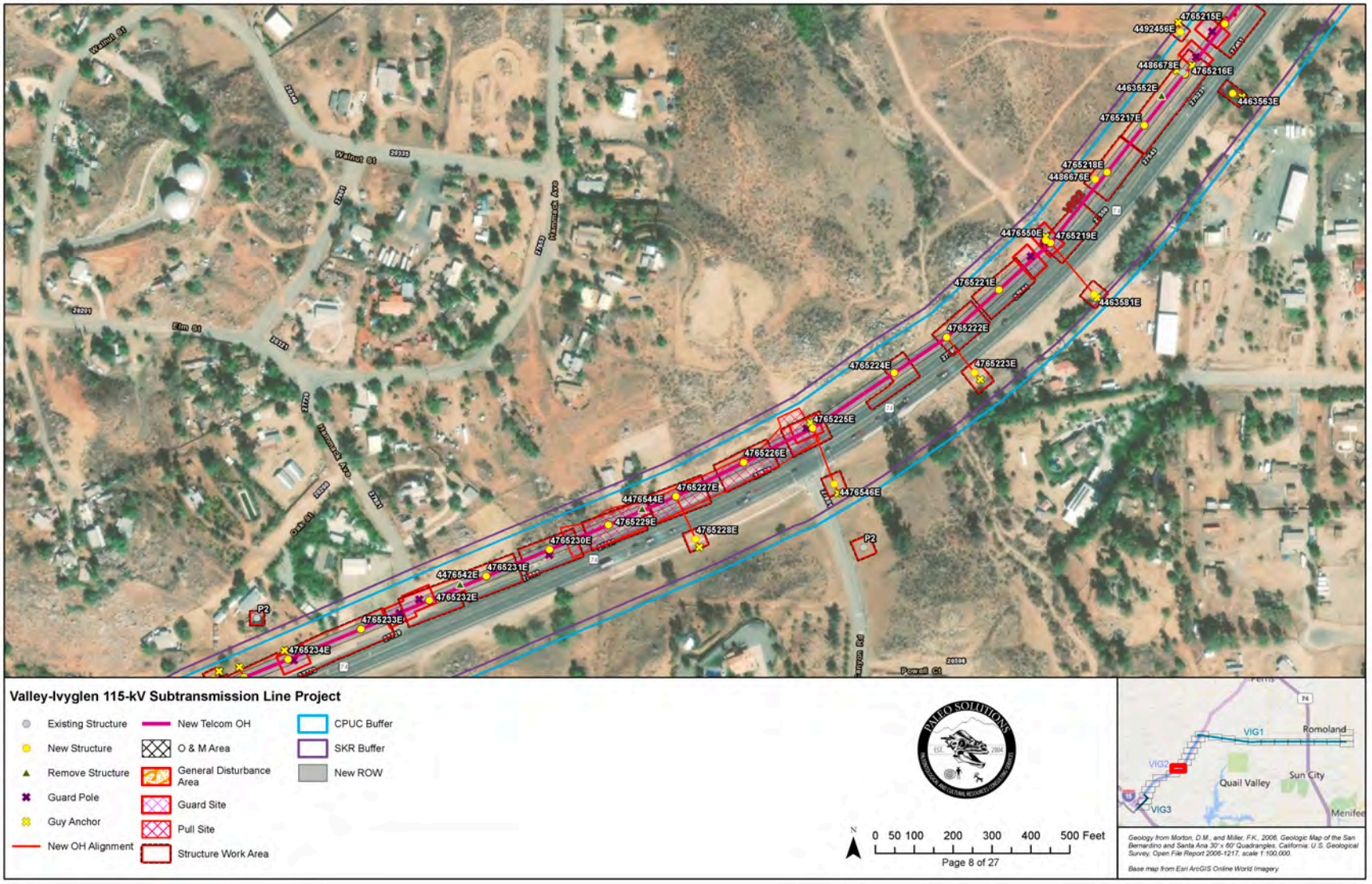

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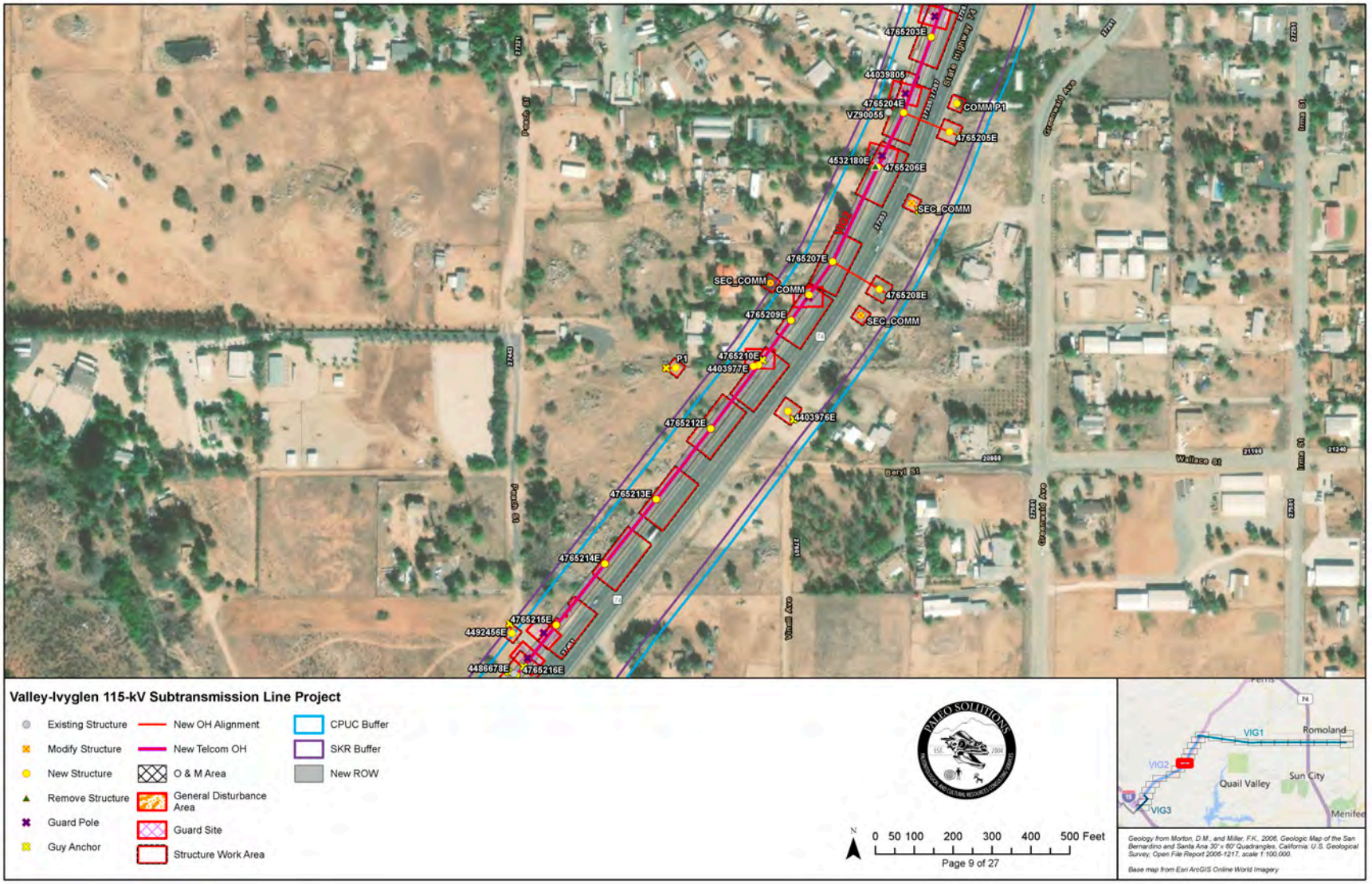

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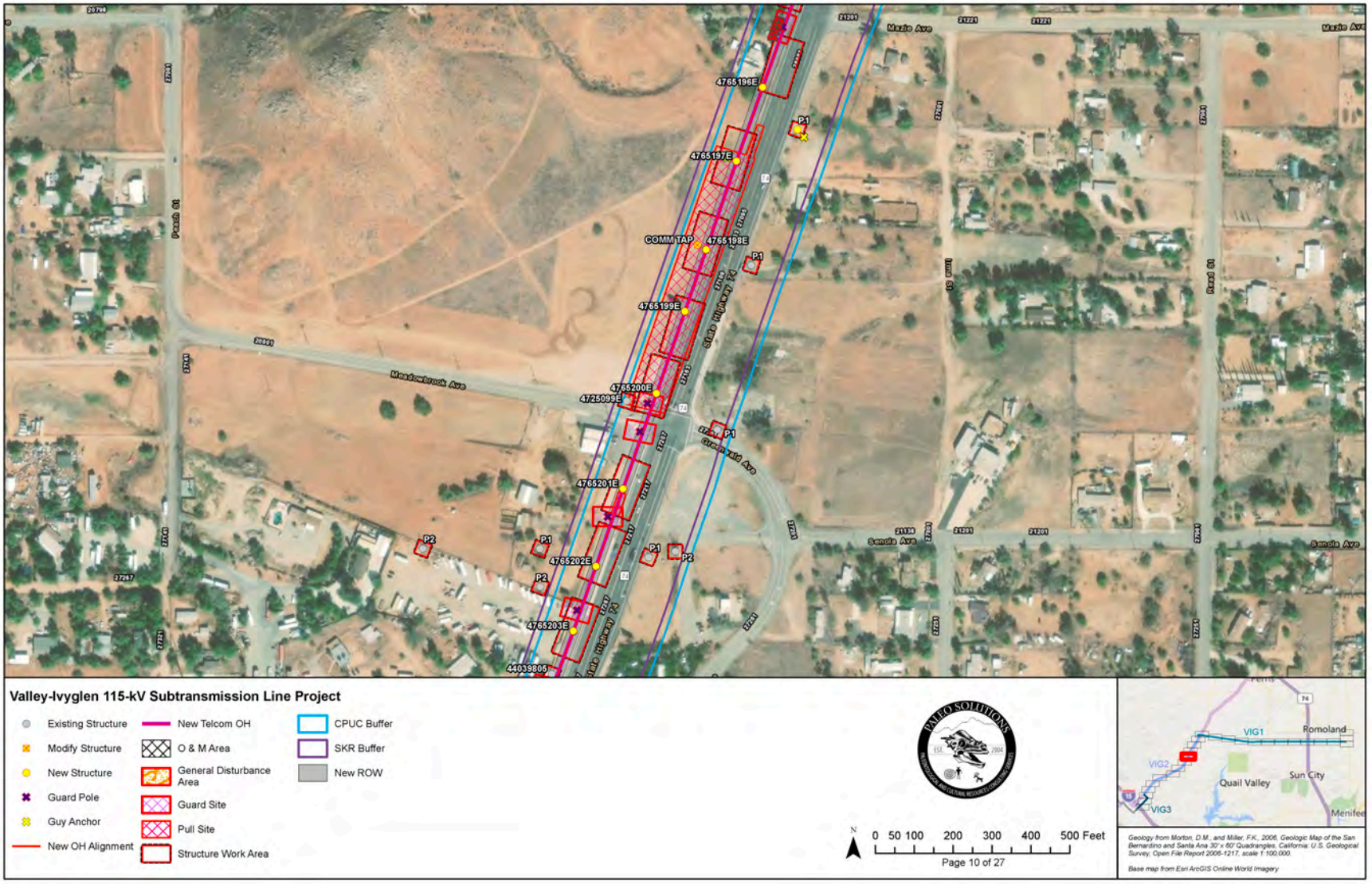

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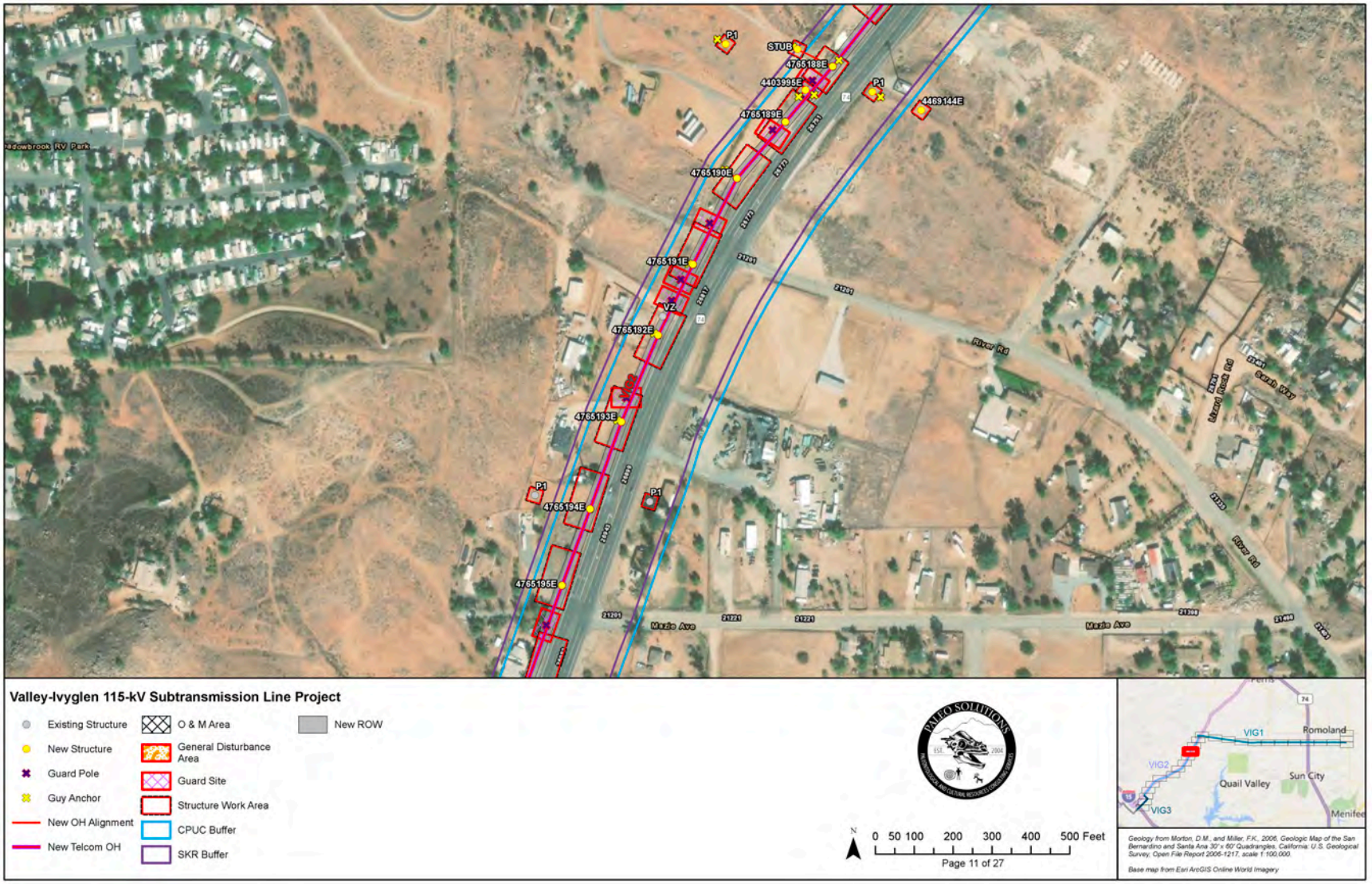

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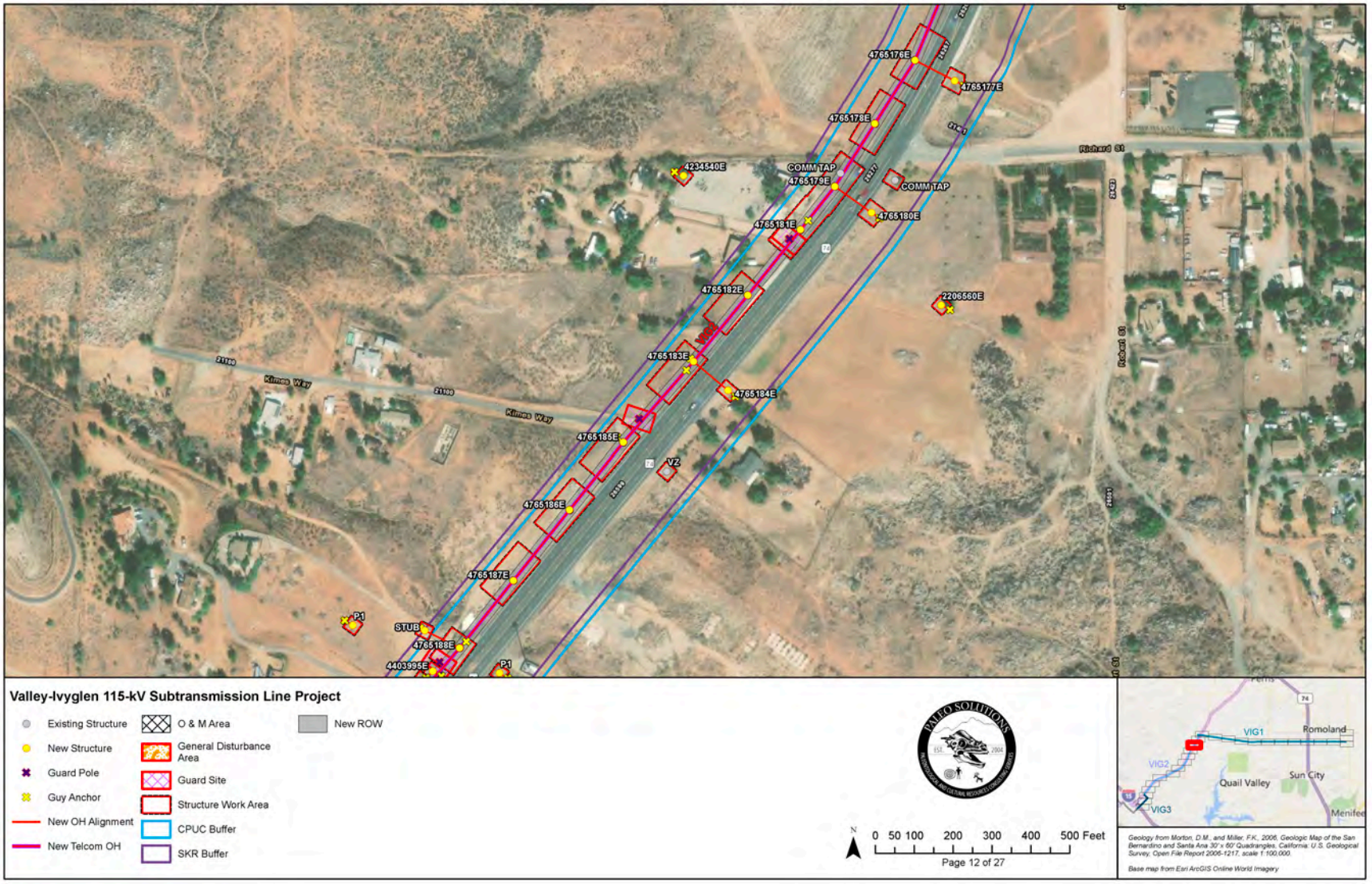

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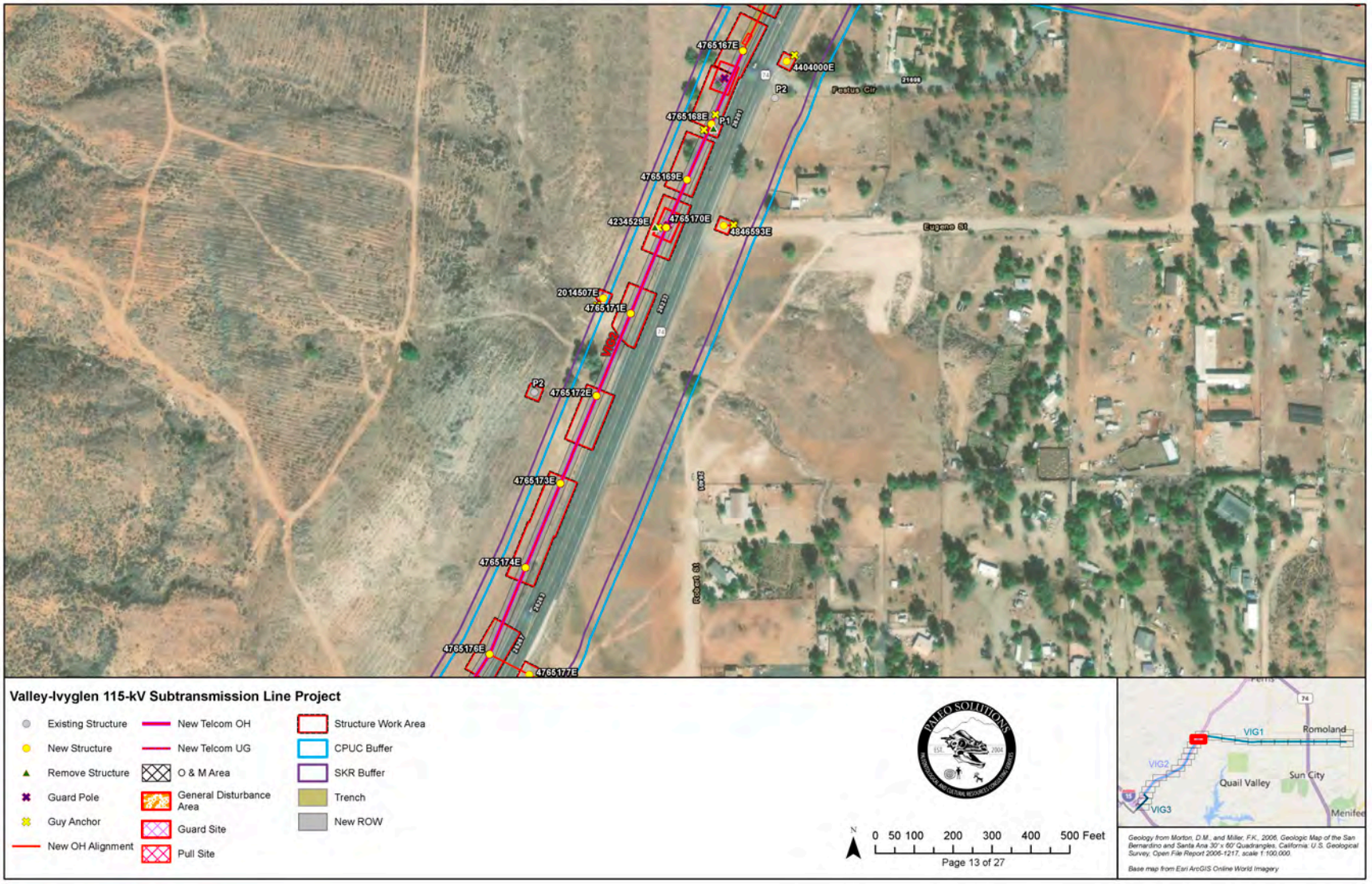

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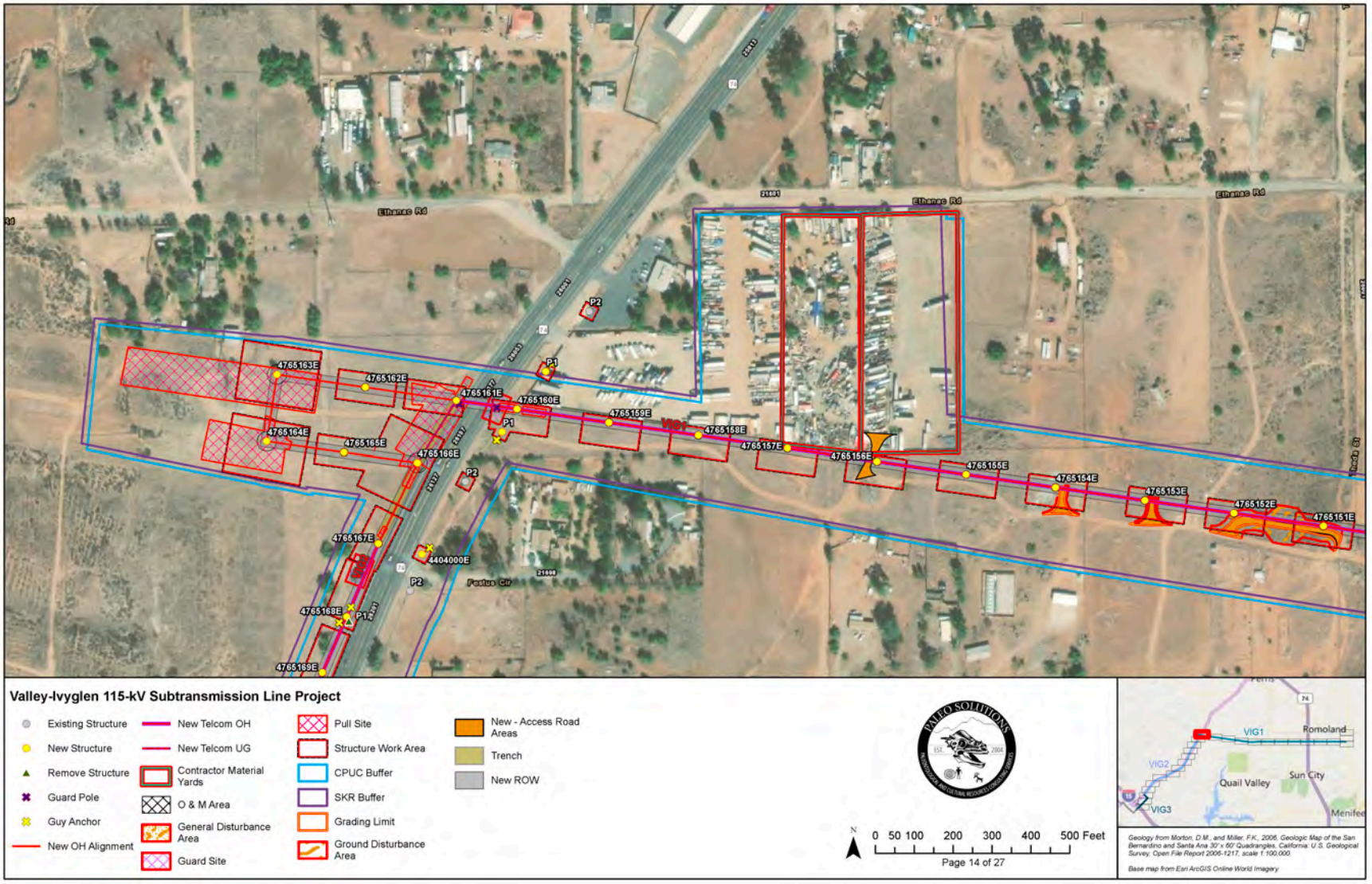

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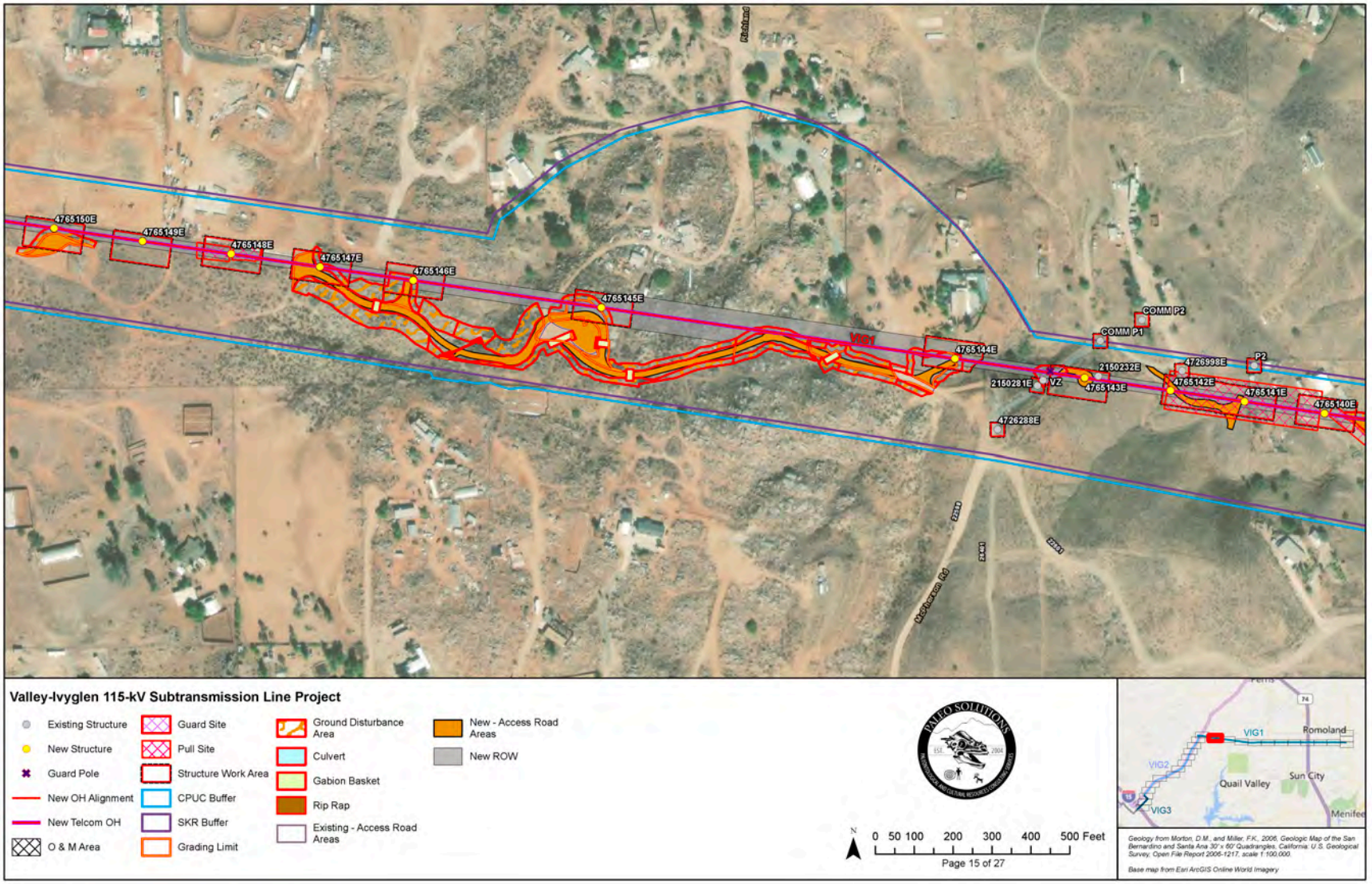

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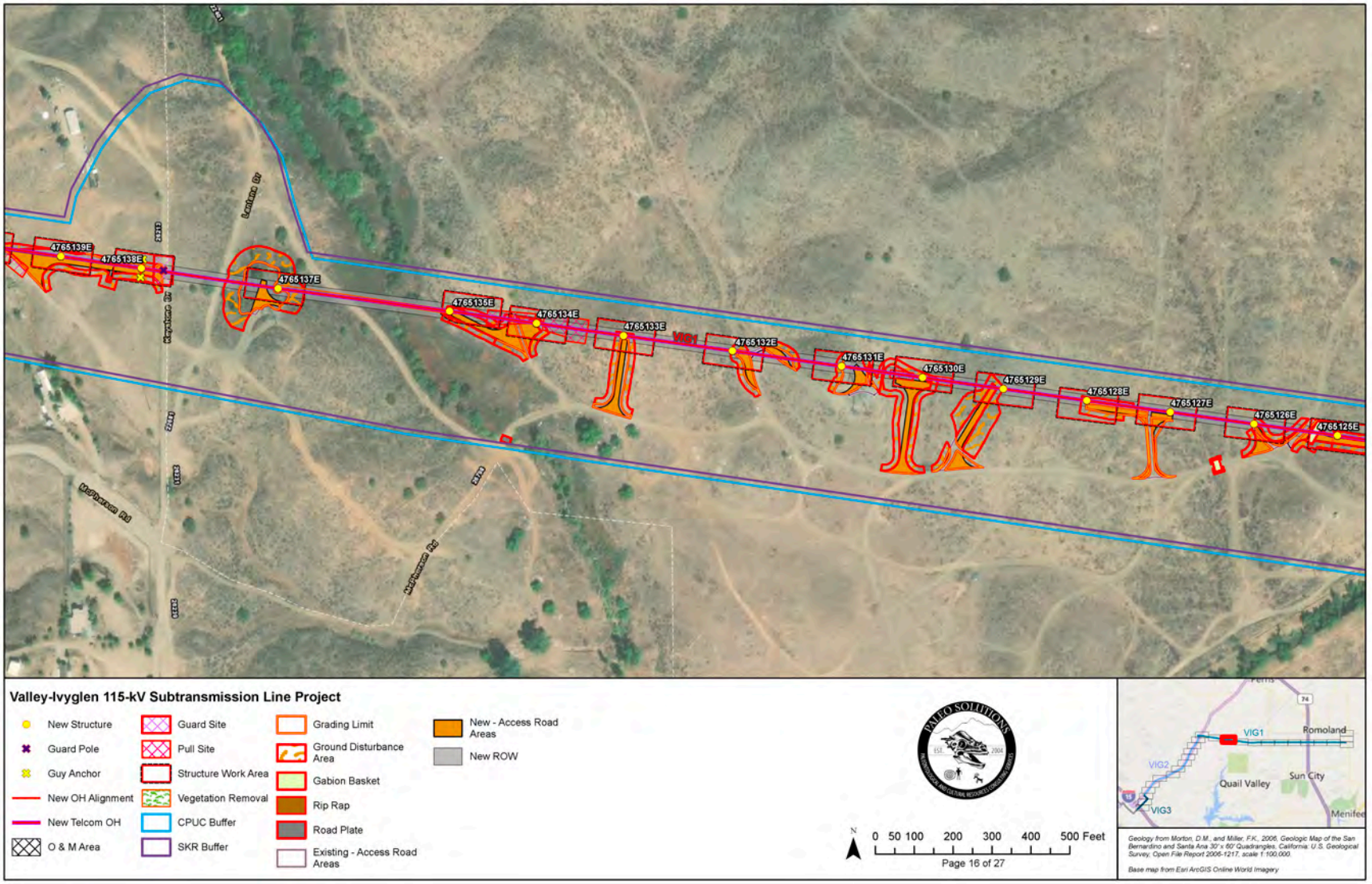

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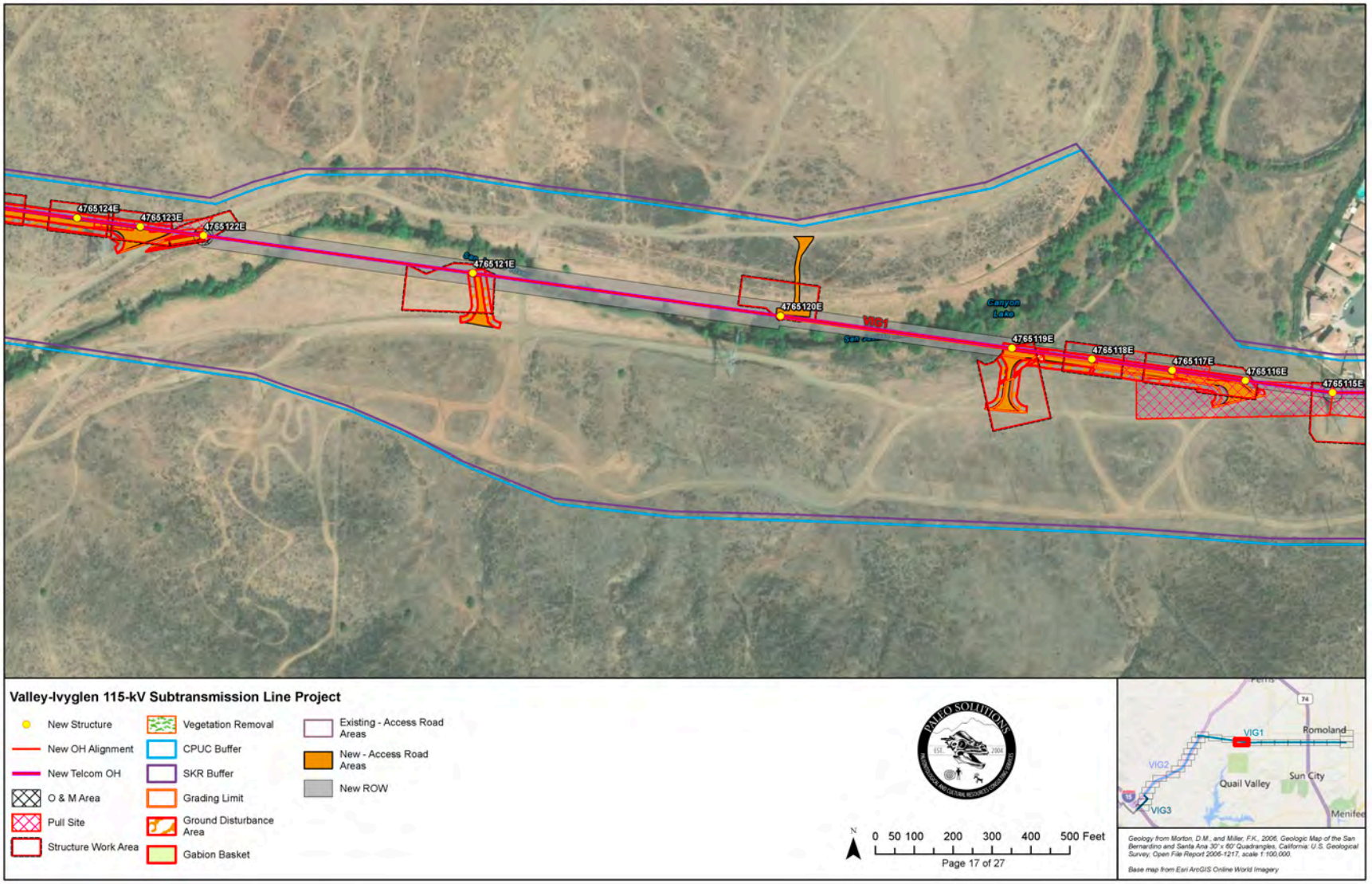

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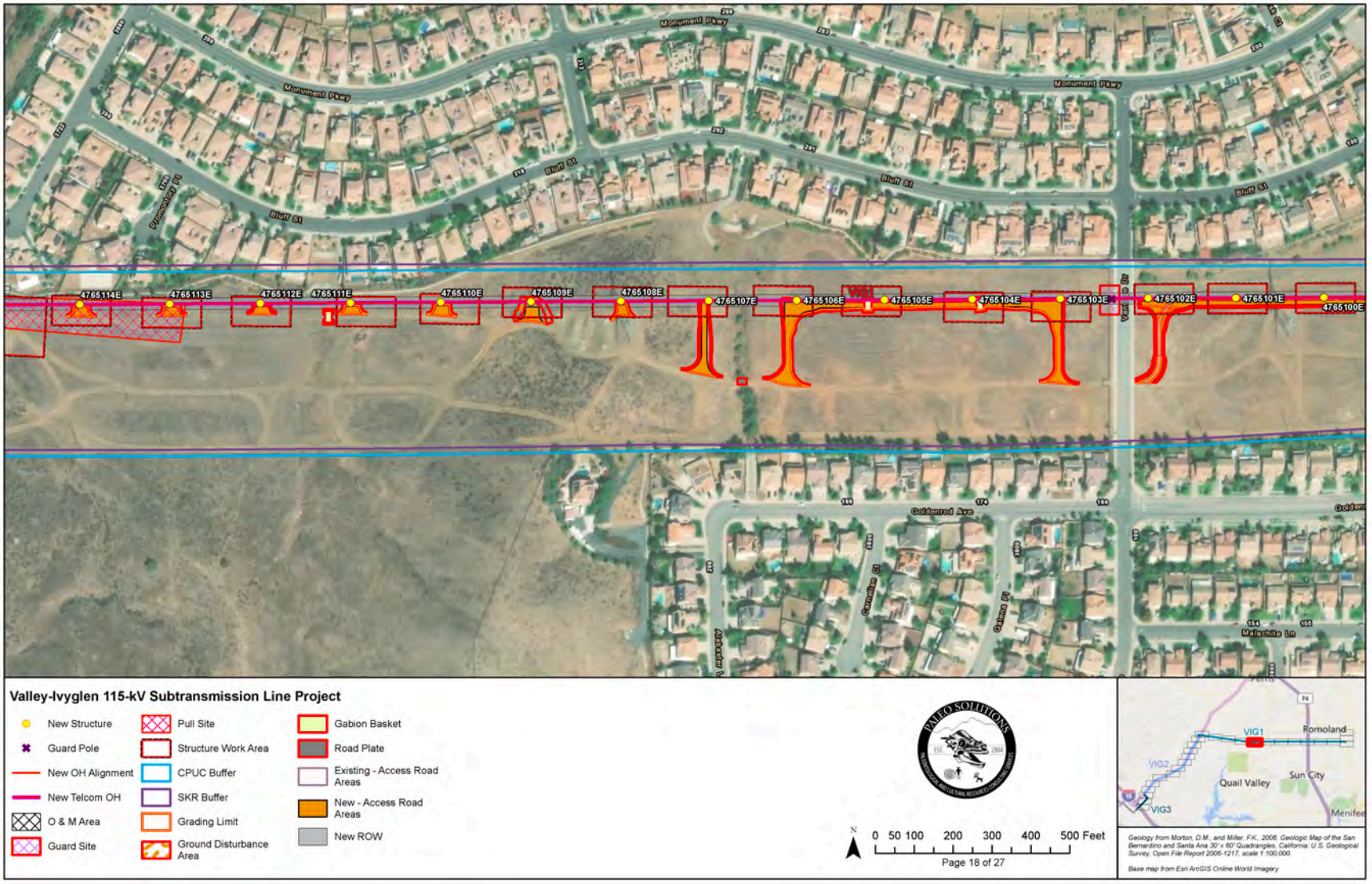

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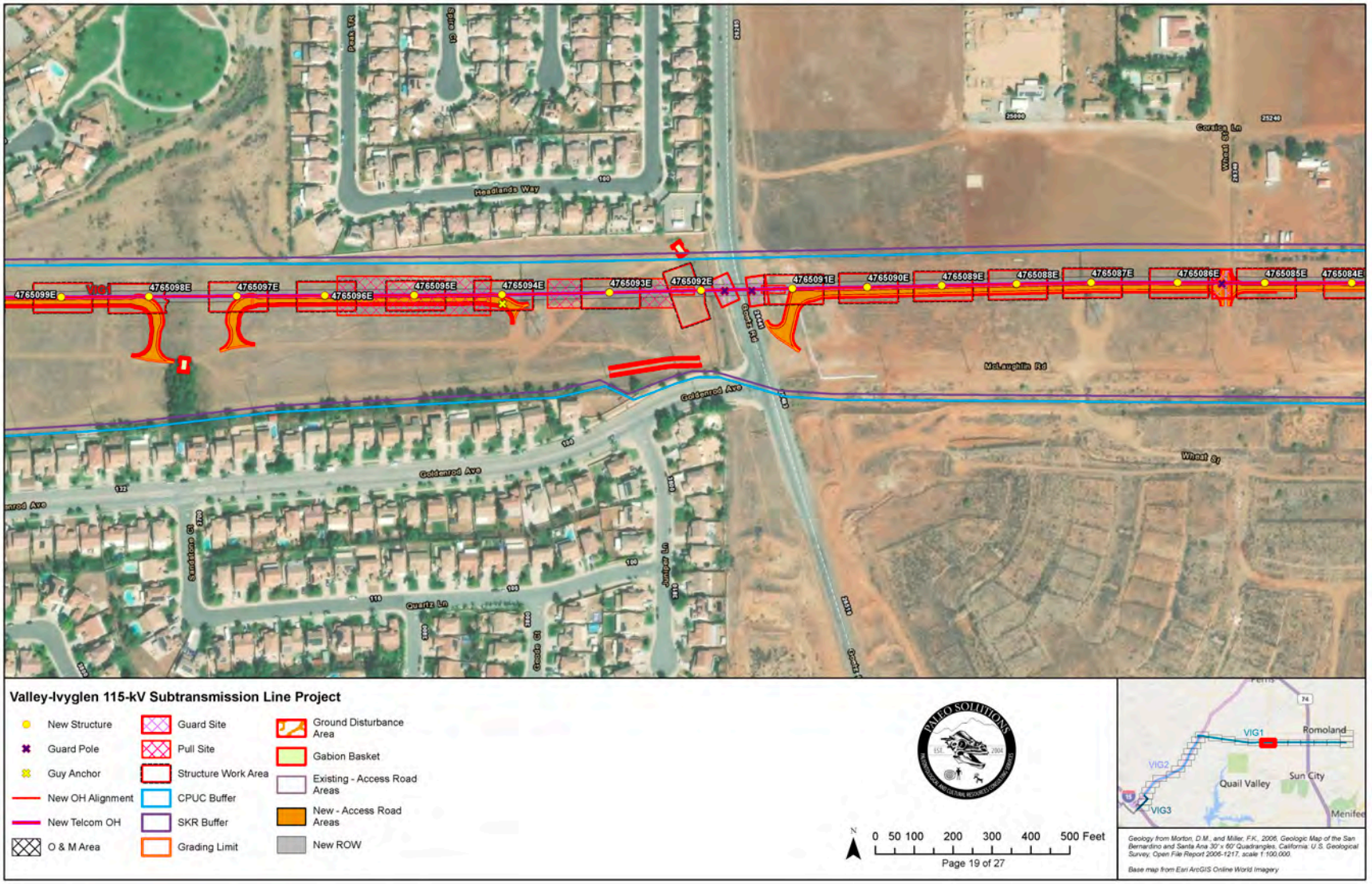

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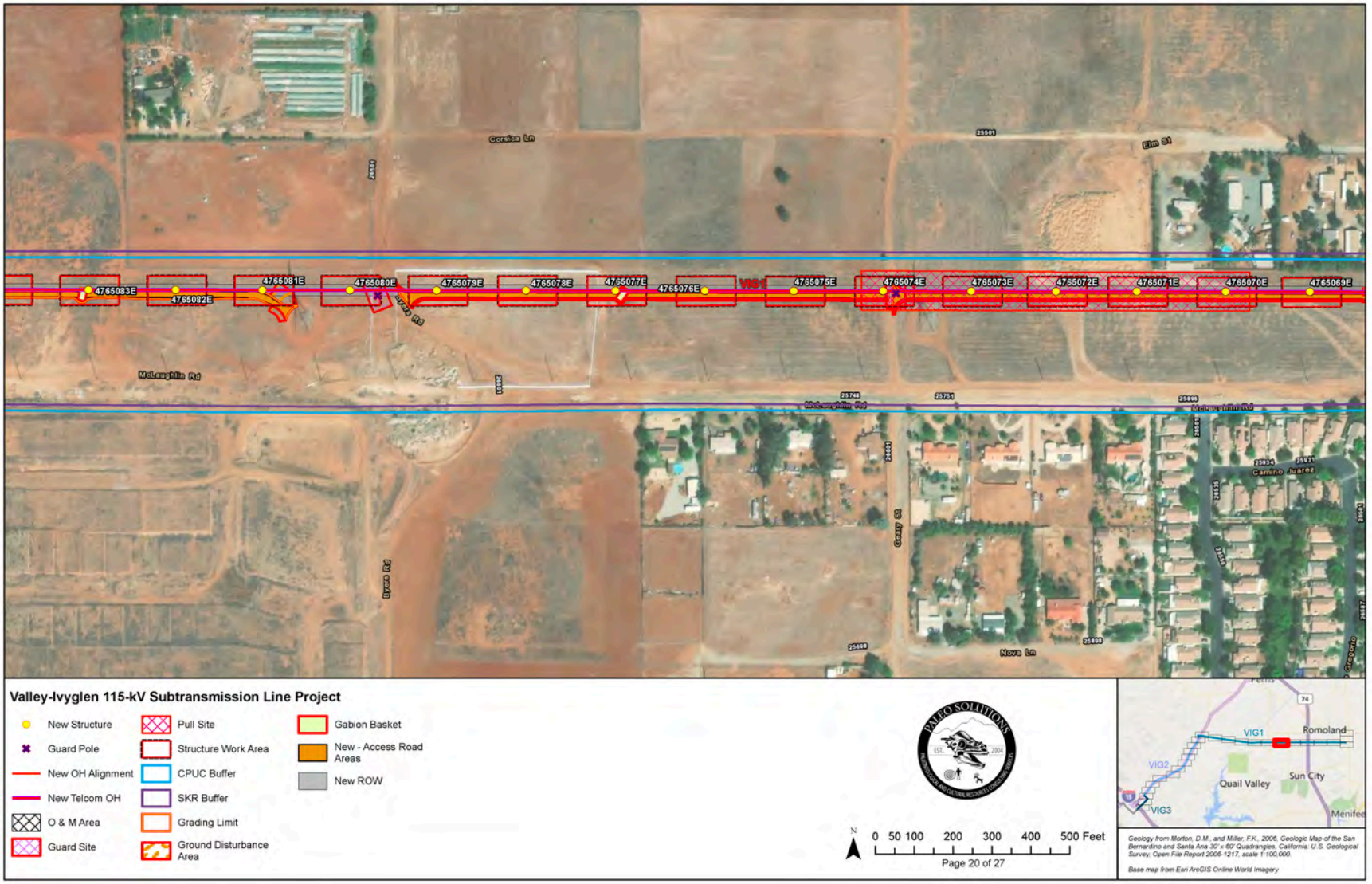

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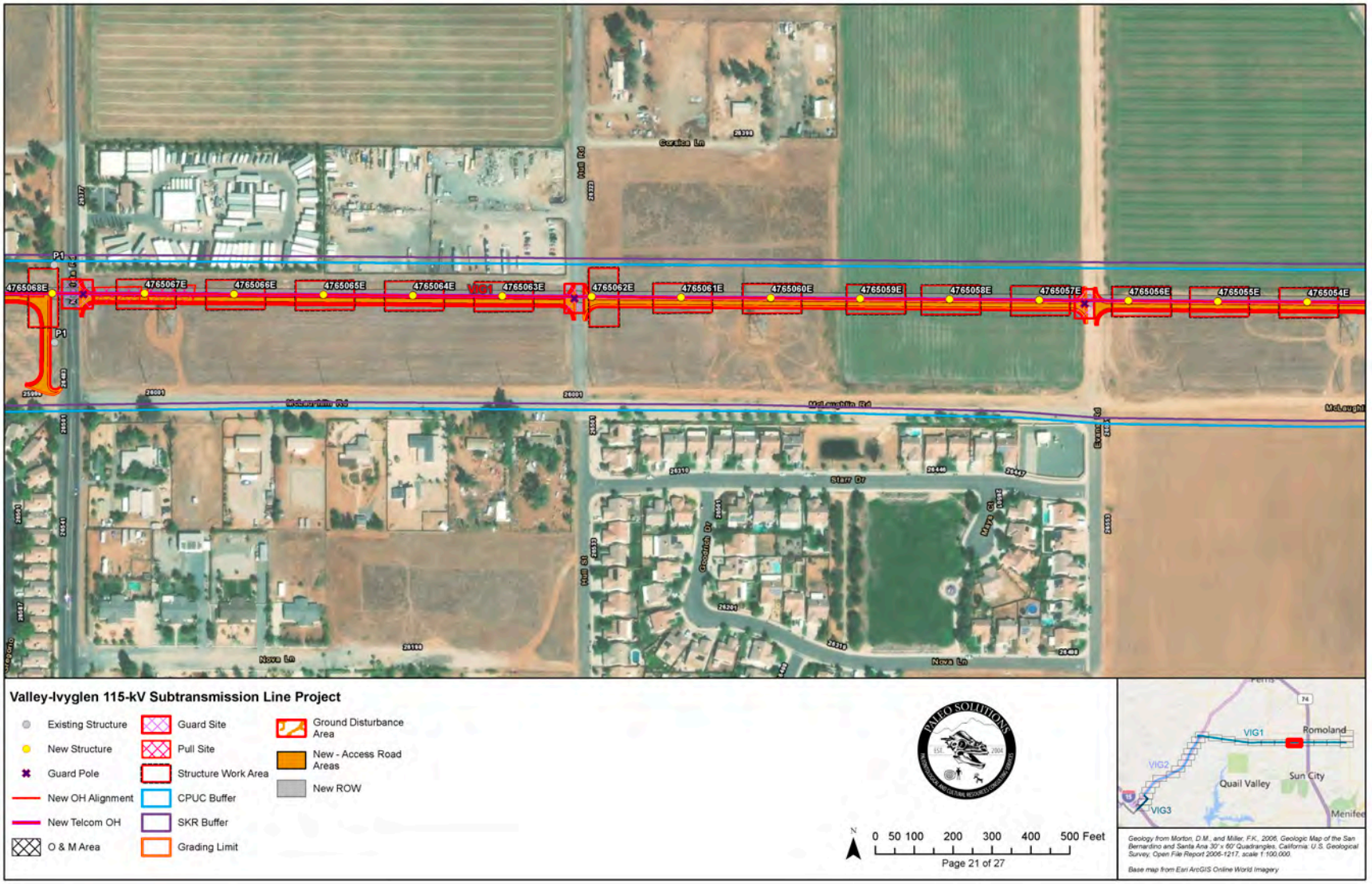

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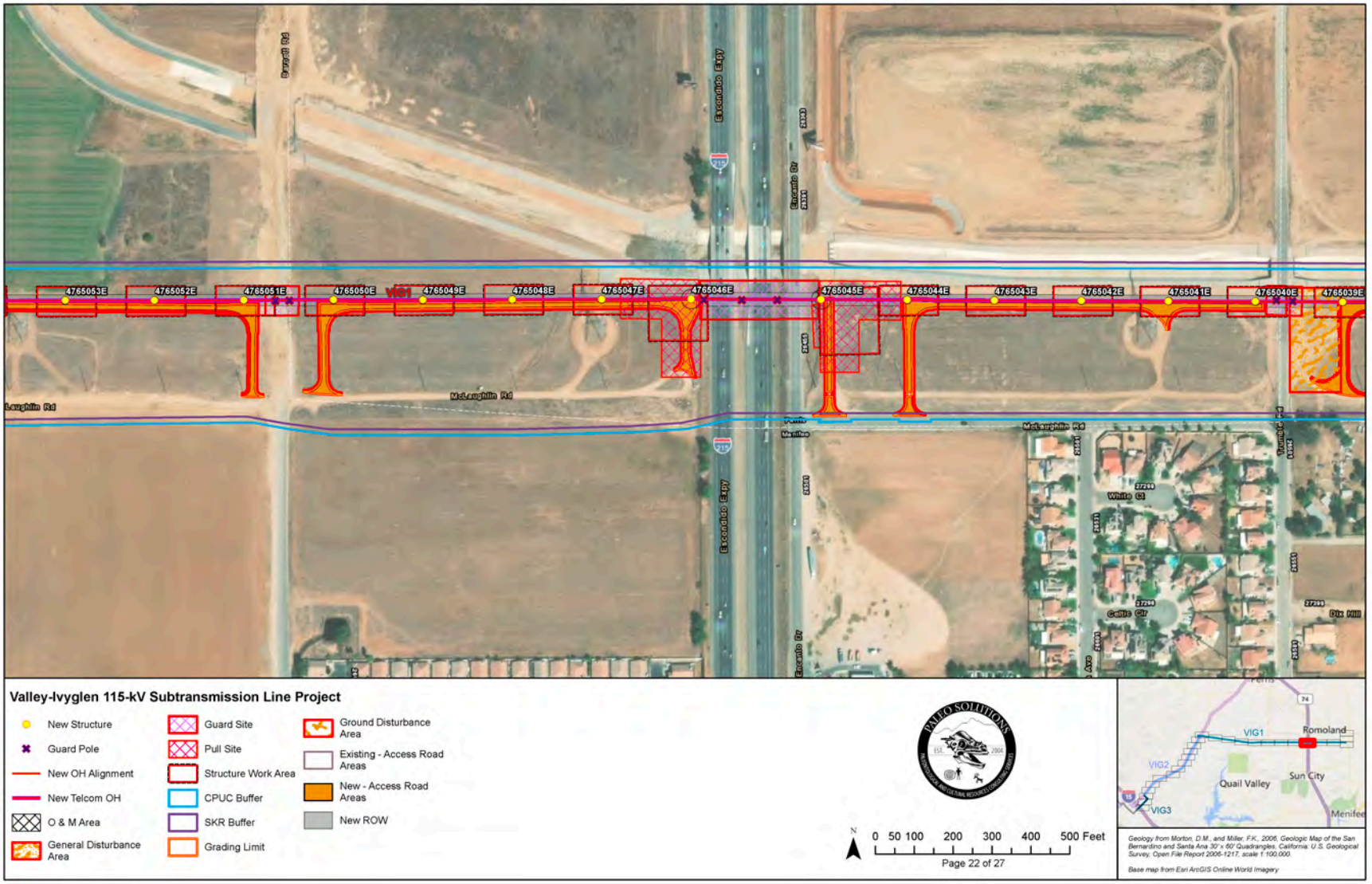

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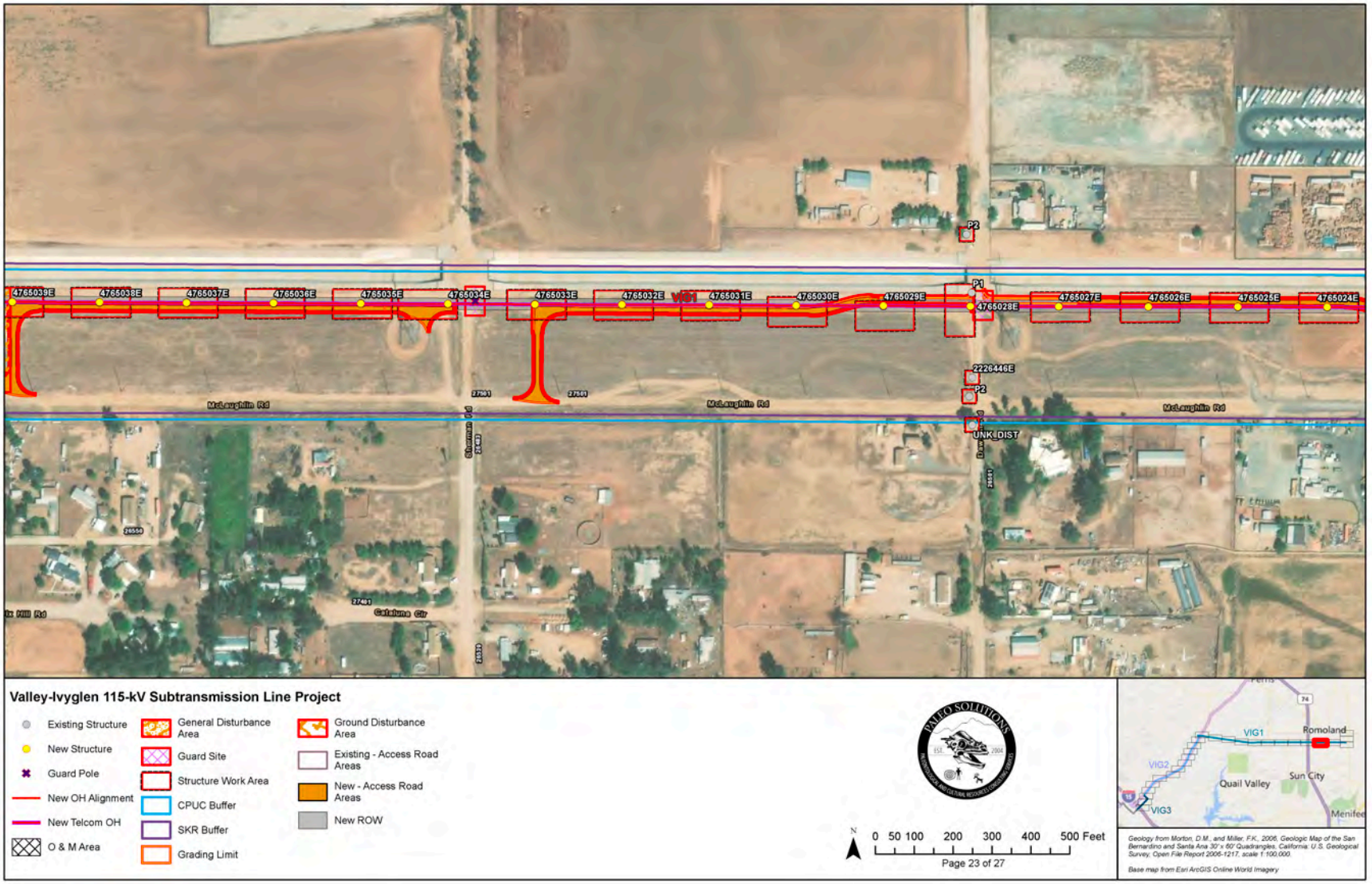

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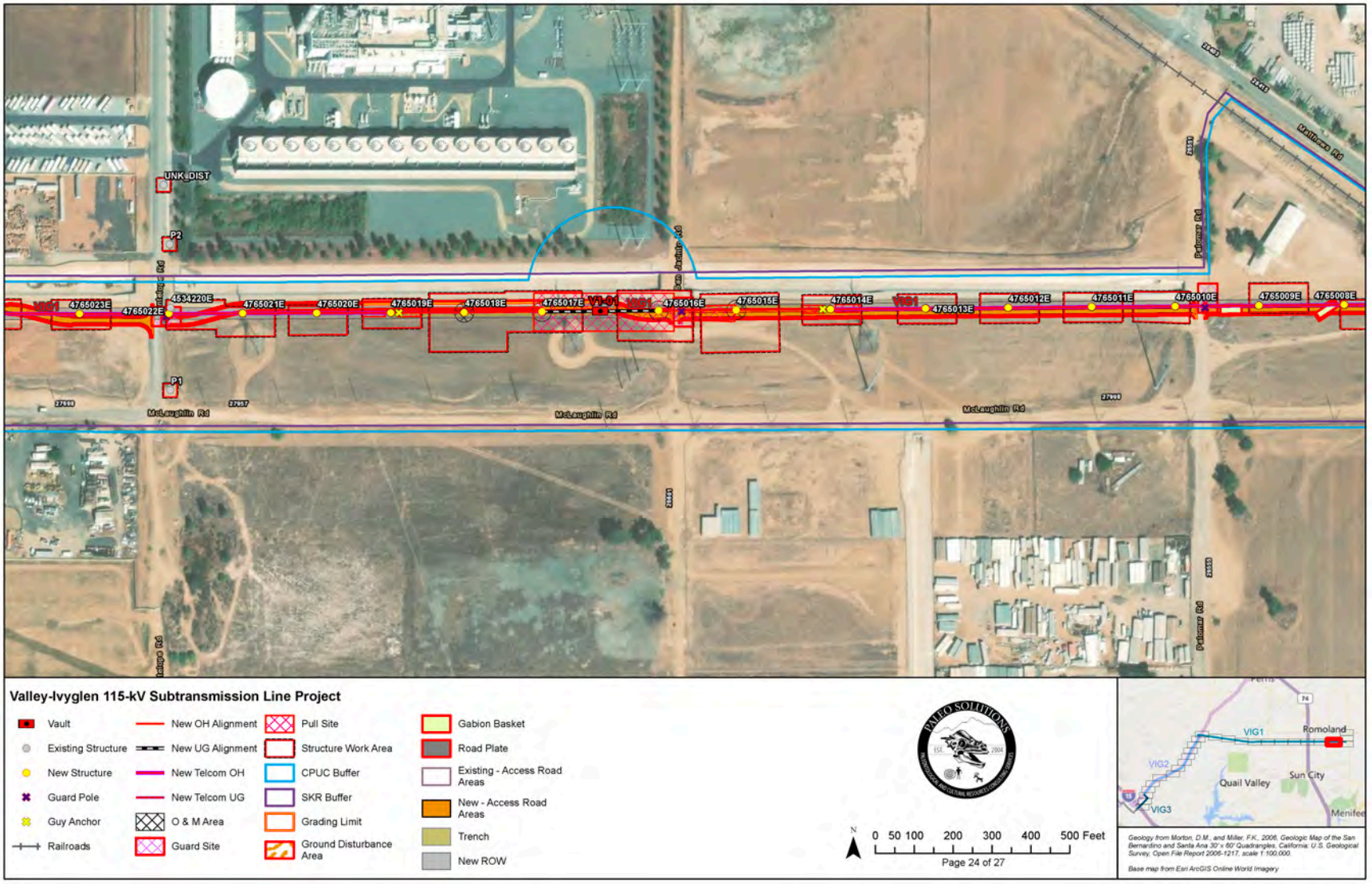

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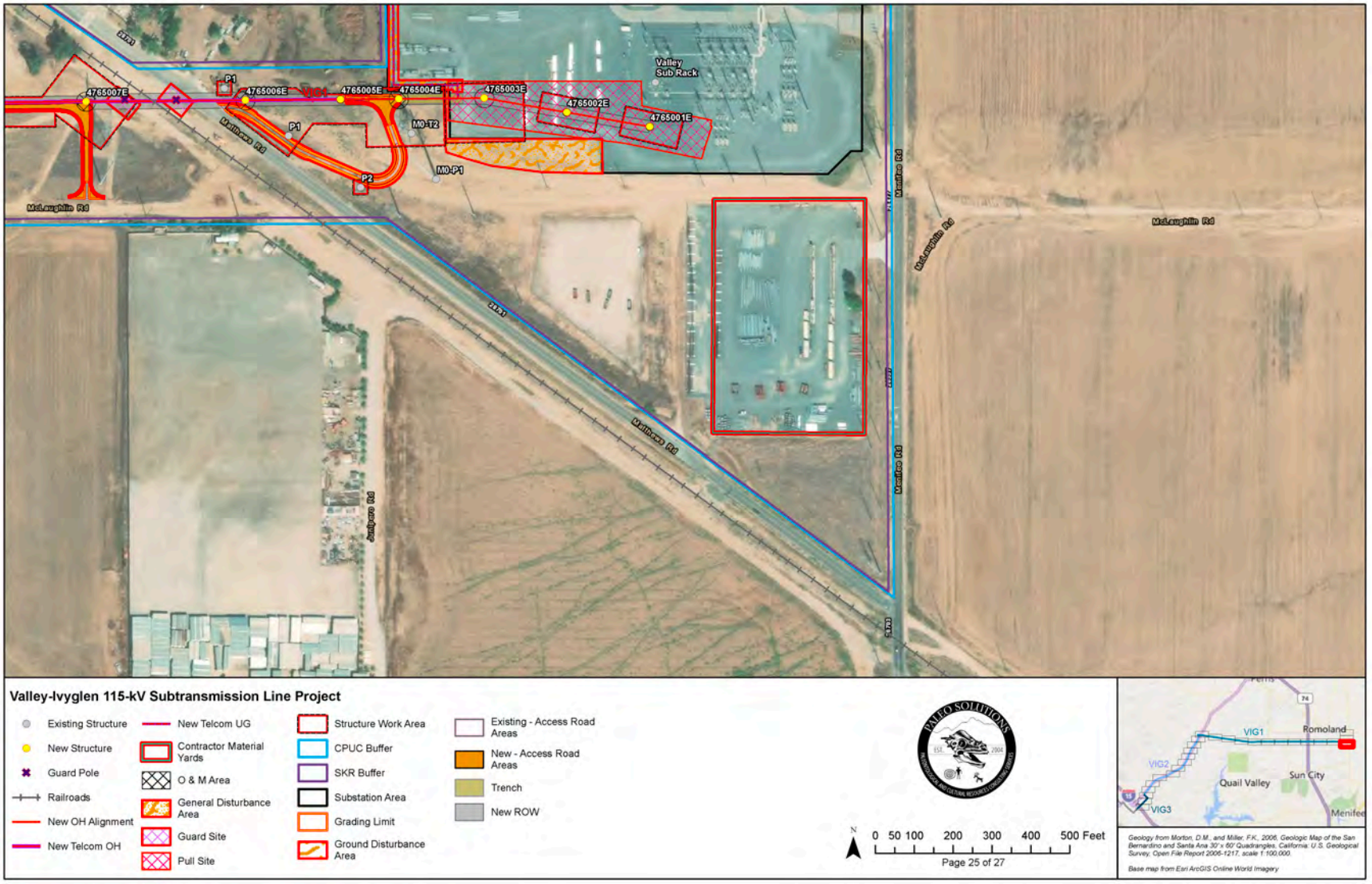

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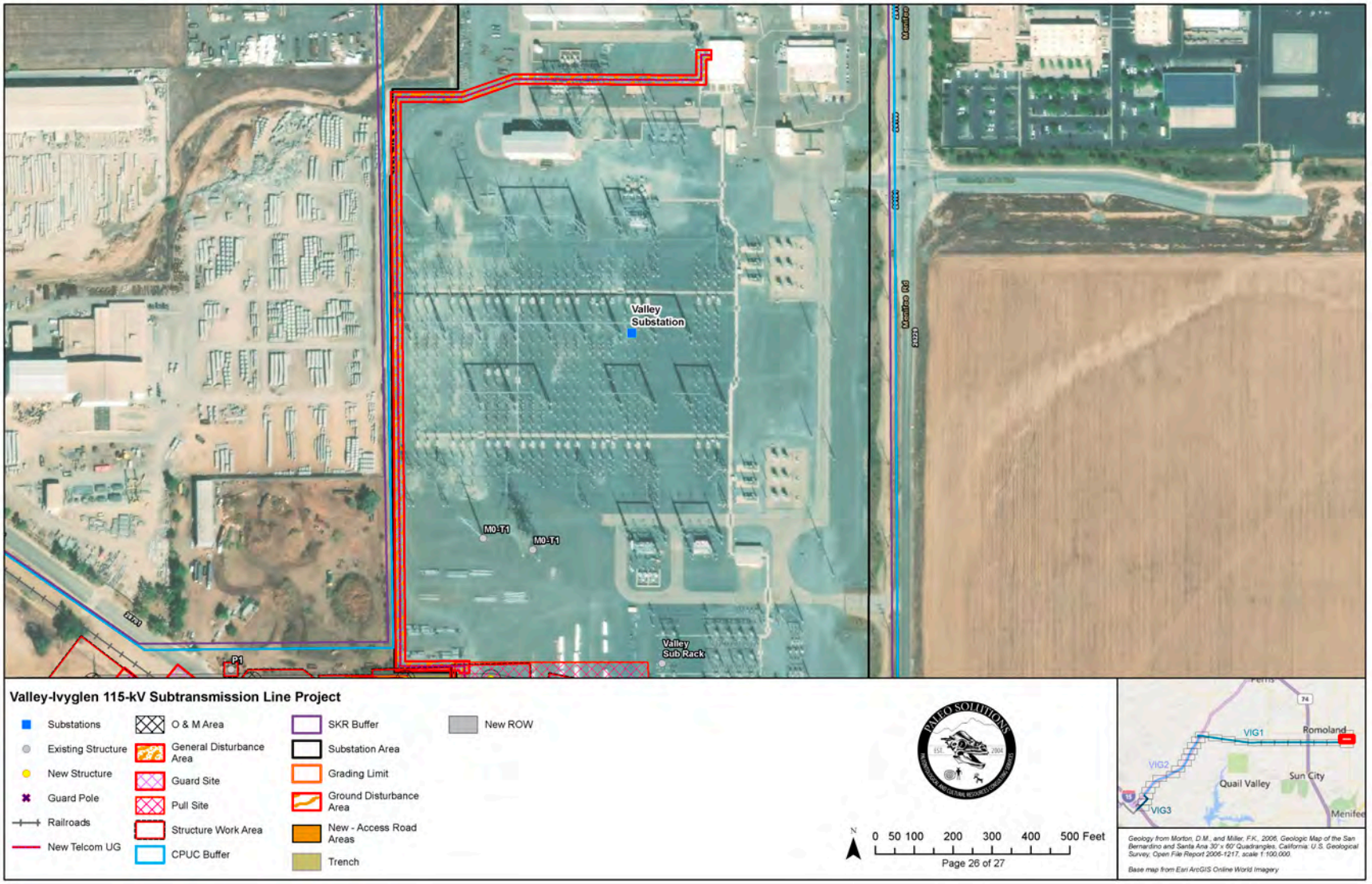


Figure A-28. Project Location Map. Page 26 of 27.

Figure A-29. Project Location Map. Page 27 of 27.

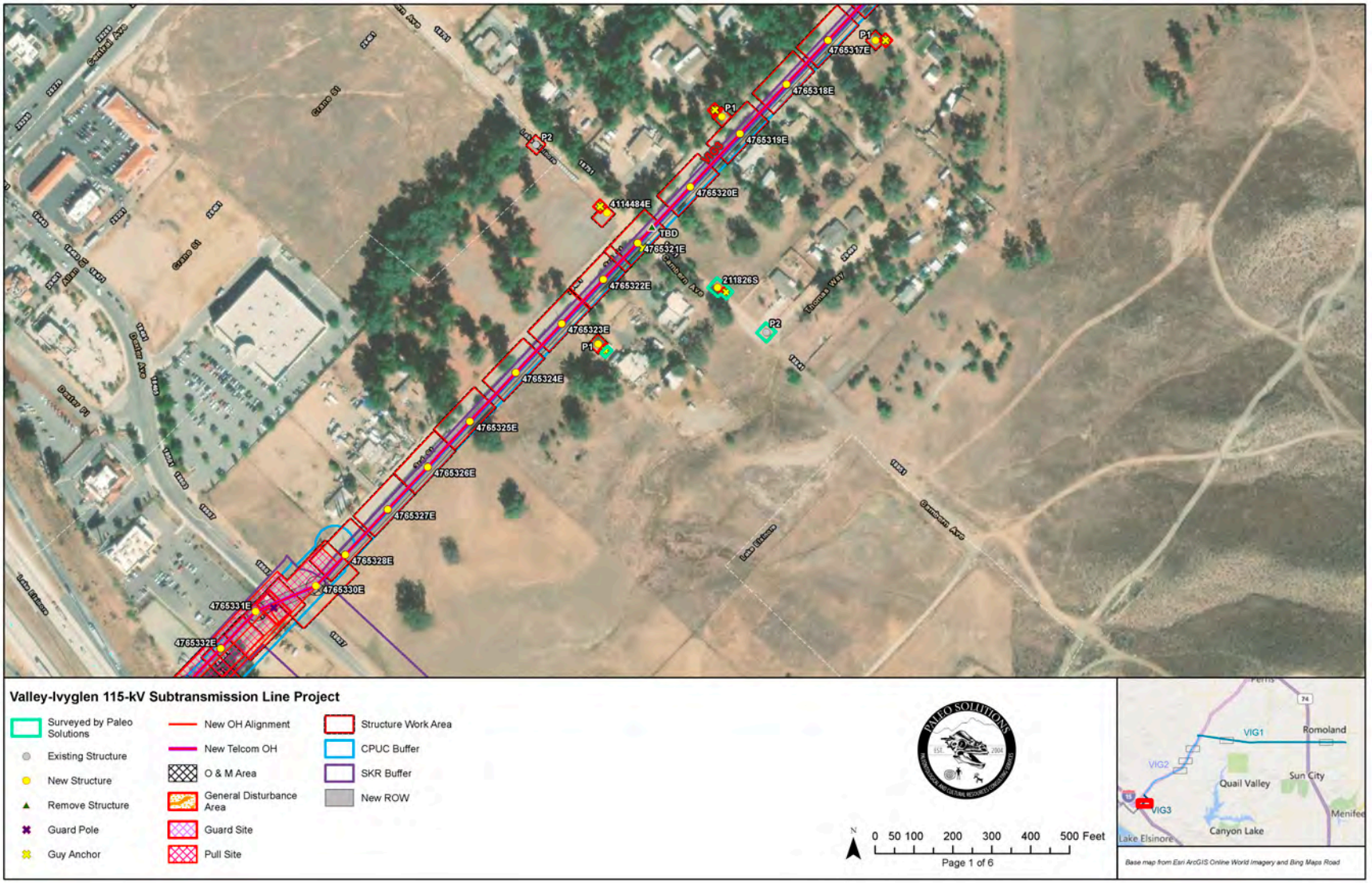
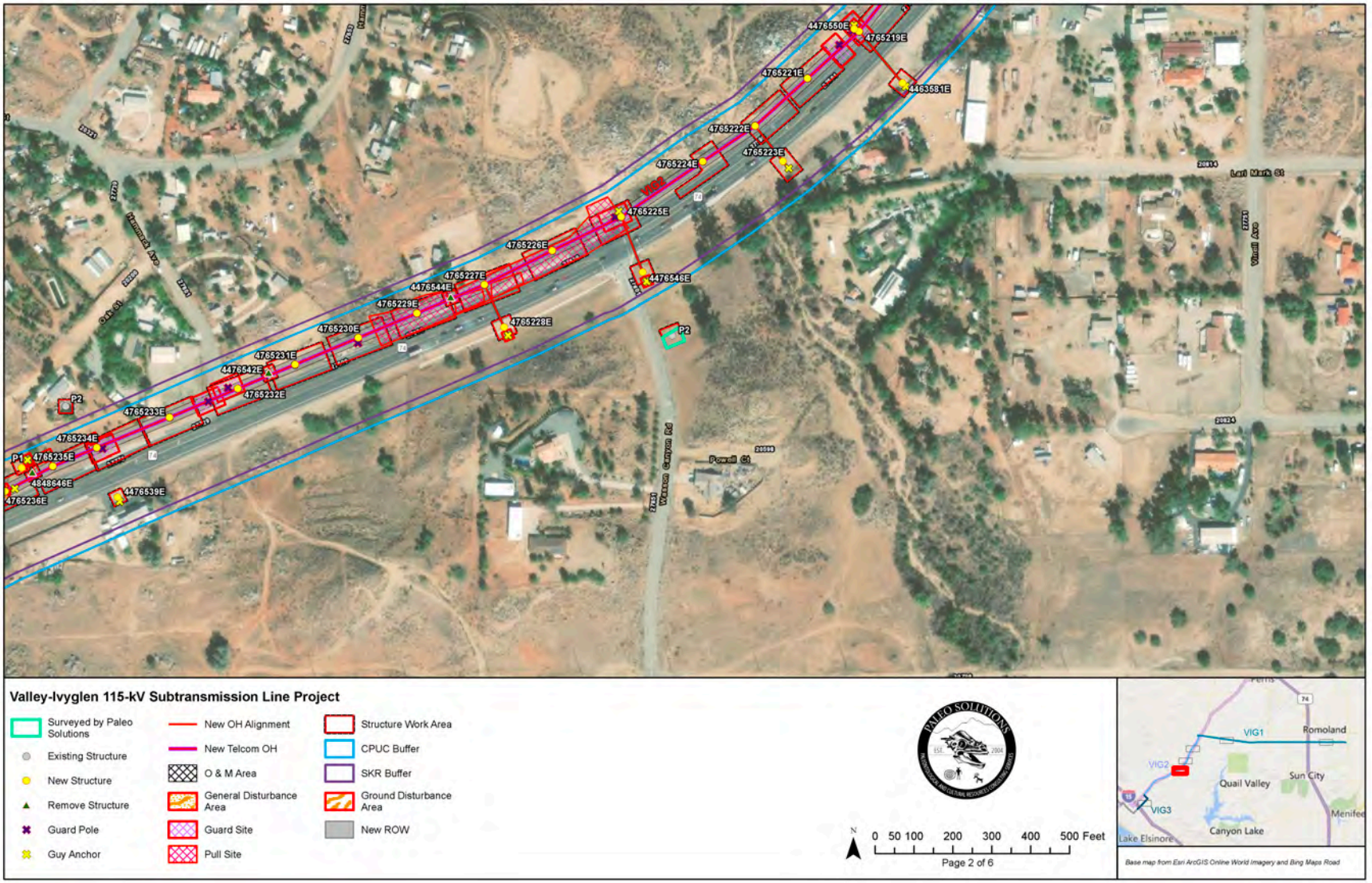


Figure A-30. Project Added Survey Area. Page 1 of 6.



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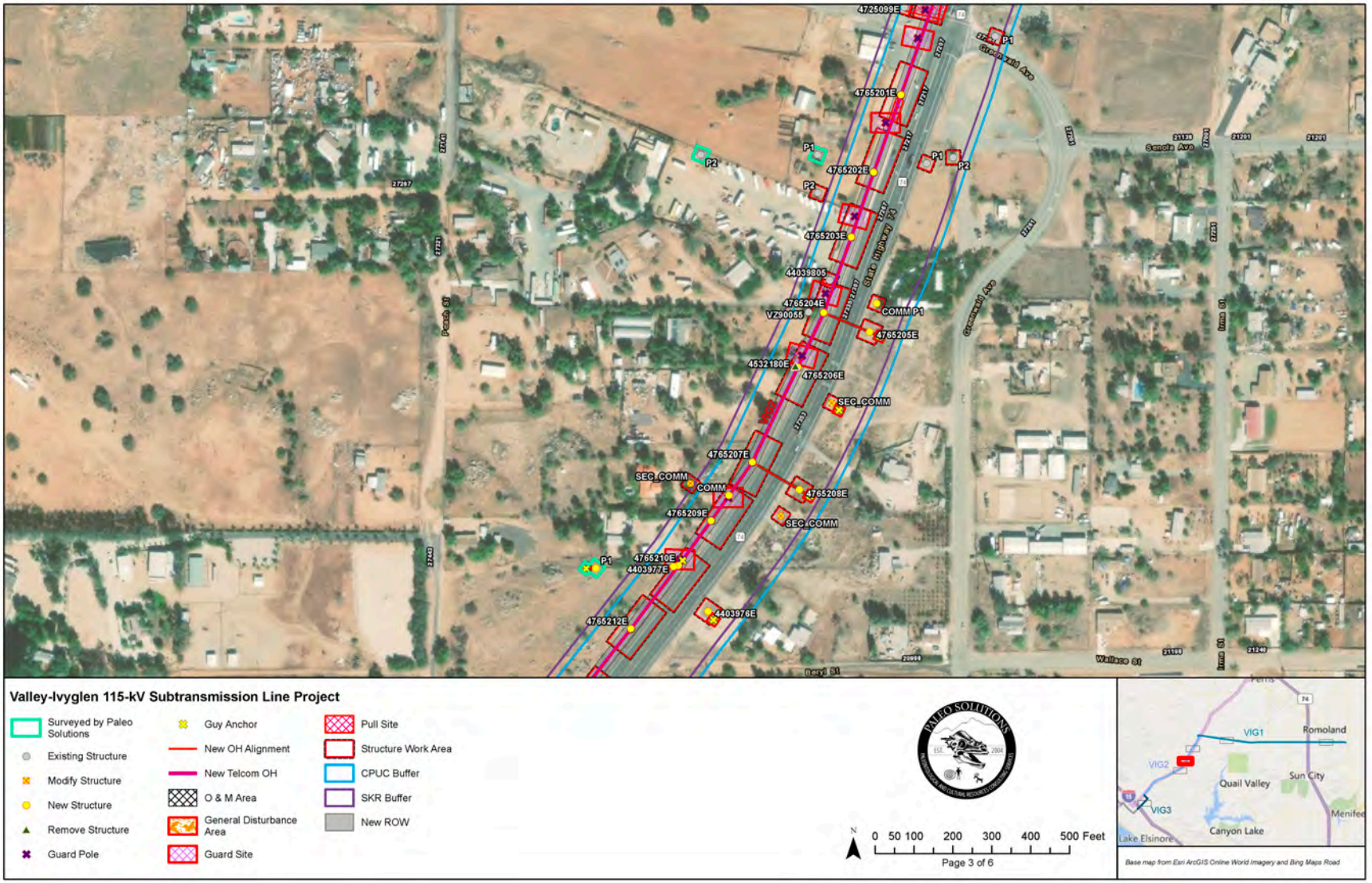

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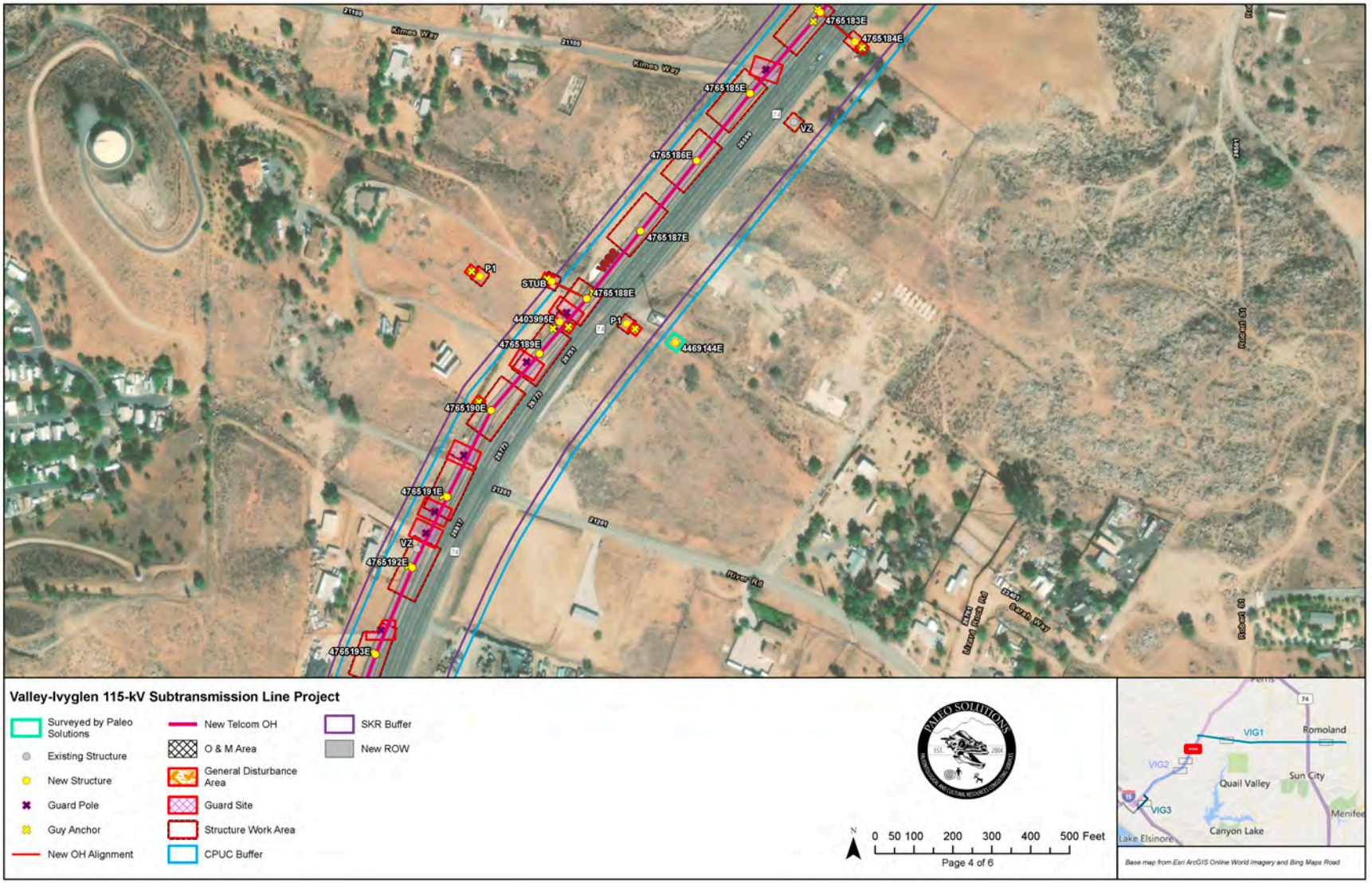

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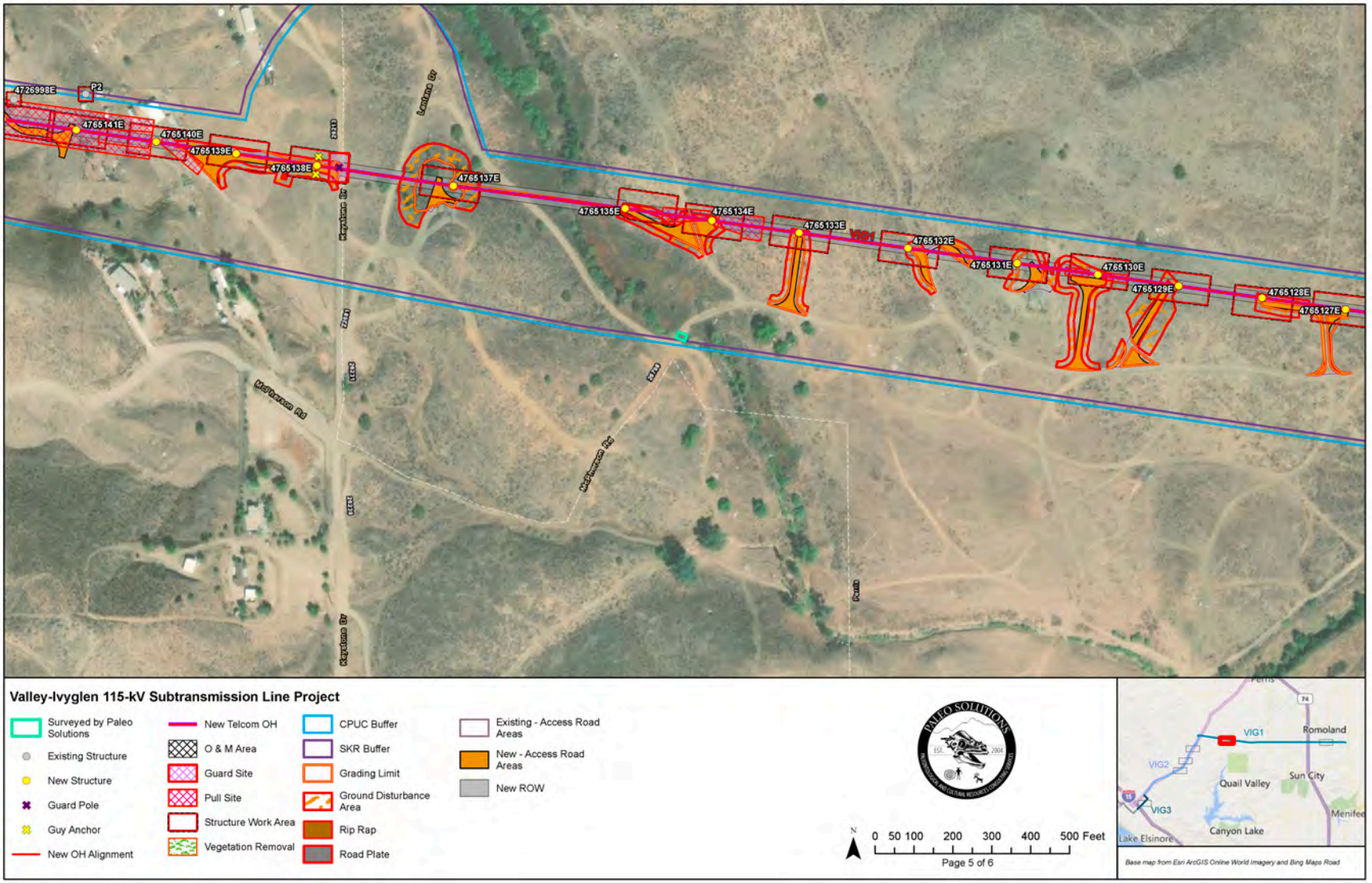

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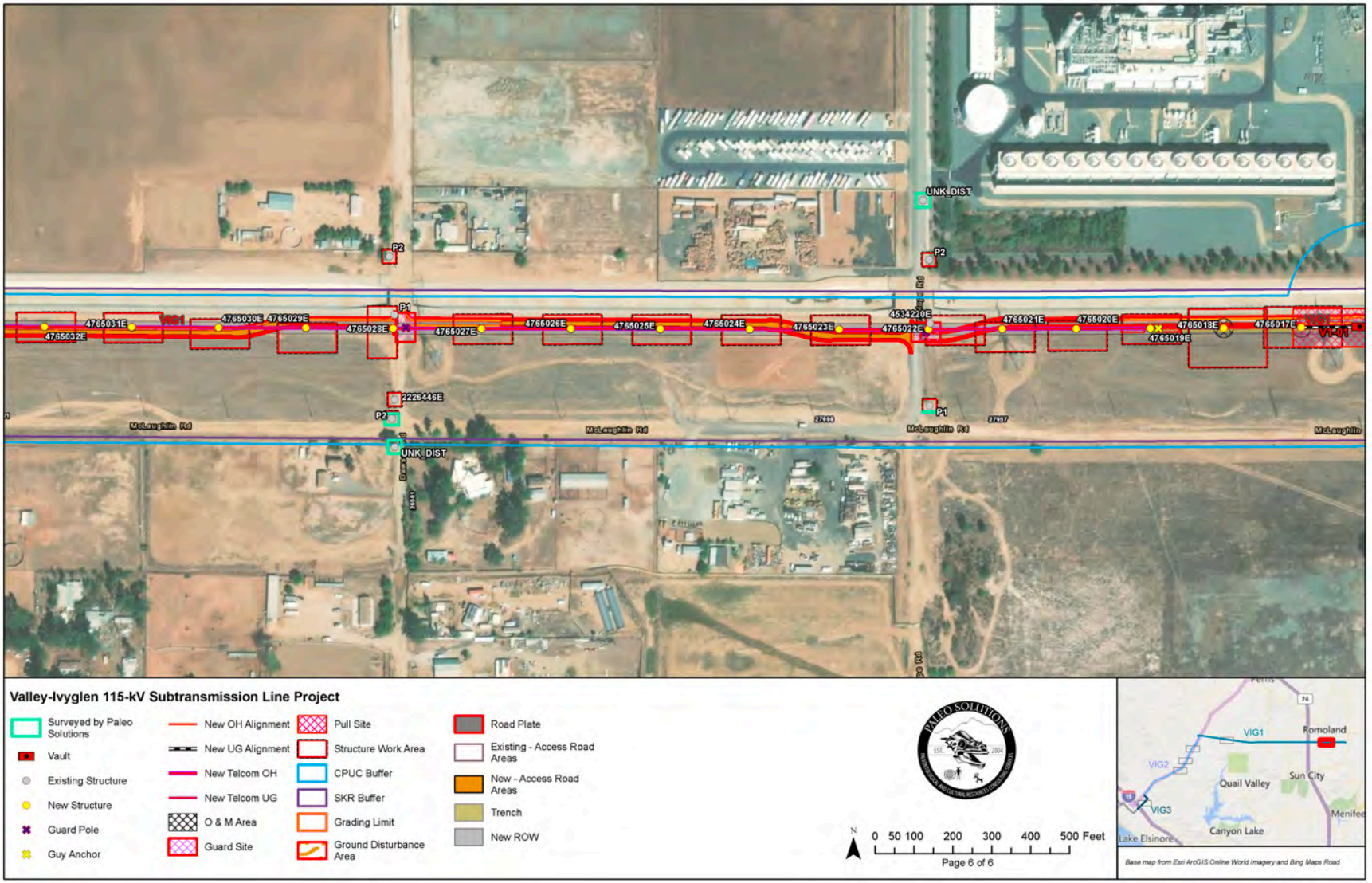

Figure A-A-35. Project Added Survey Area. Page 6 of 6.

Attachment C

Paleontological Resources Review

April 7, 2020

Matt Hooge
Senior Environmental Manager
Wilson Construction Company
1190 NW 3rd Avenue
Canby, OR 97013
E: mhooge@wilsonconst.com

RE: Addendum: Summary of Paleontological Resources Assessments to Date for the Southern California Edison Valley Ivyglen Subtransmission Line Project, Riverside County, California

Southern California Edison Company (SCE) is proposing construction of the Valley-Ivyglen (VIG) 115 Kilovolt (kV) Subtransmission Line Project (Project) which entails a new, single circuit 115-kV subtransmission line to connect the existing Valley Substation (near Perris, California) to the existing Ivyglen Substation (near Lake Elsinore, California) in western Riverside County. Paleo Solutions, Inc. (Paleo Solutions) has been contracted by Wilson Construction Company (Wilson) to complete field surveys and inventories of new Project areas and amend the paleontological resources inventory report to reflect the new project design and results of new surveys.

This paleontological memorandum summarizes the results of the paleontological resources investigations to date (Ecology and Environmental, Inc., 2017) and includes an analysis of the potential impacts to paleontological resources associated with the proposed use of the Valley Yard and the addition of 140 workstations (New Workstations) for Segments VIG1, VIG2, and VIG3 of the Project. This memo was completed in compliance with Project Commitment B and Mitigation Measure (MM) CR-4 and MM CR-5 of the Valley-Ivyglen Project's Mitigation Monitoring, Compliance, and Reporting Plan (MMCRP; Ecology and Environment, Inc., 2017 and 2018); California Environmental Quality Act (CEQA), Riverside County, City of Menifee, City of Perris, City of Lake Elsinore, and Society of Vertebrate Paleontology (SVP) (SVP, 2010) guidelines; best practices in mitigation paleontology (Murphey et al., 2019), and stipulations of the Paleontological Resources Monitoring Plan (PRMP) (Paleo Solutions, 2020).

1.0 PROJECT DESCRIPTION

The Valley-Ivyglen Project spans from the existing Valley Substation in the City of Menifee to the existing Ivyglen Substation to the west (Attachment A: Figure 1). The Project consists of eight segments (VIG1 through VIG8) and would be constructed in two phases: Phase 1 consists of Segments VIG1, VIG2, and VIG3 (approximately 13.1 miles) and Phase 2 consisting of Segments VIG4 through VIG8 (approximately 11.5 miles). The Valley-Ivyglen Project crosses Interstate 215 (I-215), State Route 74 (SR-74), and Interstate 15 (I-15). Fiber optic lines would be installed overhead on the proposed structures and underground in new and existing conduits.

The Valley-Ivyglen Project would involve:

- Construction of a new, single-circuit 115-kV subtransmission line and fiber optic line.

- Installation of overhead fiber optic lines on the proposed structures and underground in new (approximately 5,400 feet) and existing (approximately 13,200 feet) conduit.
- Transfer of existing distribution circuits along portions of the proposed subtransmission line to new 115-kV structures or to underground positions.
- Installation of new 115-kV switching and protective equipment at Valley and Ivyglen substations.

The current Notice to Proceed Request (NTPR) #1 covers Segments VIG1, VIG2, and VIG3 (Phase 1). Segments VIG4 through VIG8 (Phase 2) will be captured under a second NTPR at a later date.

Segment VIG1
Segment VIG1 would exit the Valley Substation from the southwest and extend west along the north side of the existing Serrano–Valley 500-kV Transmission Line right-of-way (ROW) to SR-74. The segment would span I-215, SR-74, and a number of roadways and cross through the City of Menifee, City of Perris, and unincorporated Riverside County. Portions of the existing distribution line would be relocated to an overhead position on a lower section of the new 115-kV structures.

Segment VIG2
This segment would follow SR-74 south, passing from unincorporated Riverside County into the City of Lake Elsinore. The segment would then follow along the western side of SR-74 to Conard Avenue. Sections of Segment VIG2 would follow an existing distribution line ROW, and in these areas, the existing distribution line would be relocated to an overhead position on a lower section of the new 115-kV structures. A number of guy poles would be installed on the east side of SR-74 in locations where the proposed 115-kV structures require additional support. Guy wires would span SR-74 between the proposed 115-kV structure and the guy poles.

Segment VIG3
This segment would cross SR-74 and follow Conard Avenue southeast to Third Street. It would follow Third Street southwest across I-15 and then continue southwest to Collier Avenue. Segment VIG3 would follow an existing distribution line ROW, and the distribution line would be relocated to an overhead position on a lower section of the new 115-kV structures. Guy poles would be installed in locations where the proposed 115-kV structures require additional support. Guy wires would span Third Street and Conard Street between the proposed 115-kV structure and the guy poles in several locations.

Use of the Valley Yard and 140 workstations have been added to the Project (Attachment A: Figure 2). The Valley Yard will be used for material staging only. Construction work within the workstations include the placement of additional pole structures and the installation of guy anchors. This will require ground-disturbing activities at each workstation.

2.0 PALEONTOLOGICAL RESOURCES STUDY AREA

The Study Area for paleontological resources is defined as all areas that would be subject to ground disturbing activity associated with development of the proposed Project. For Segments VIG1, VIG2, VIG3, the Study Area extends approximately 13.1 miles in total length within a ROW up to 55 feet in width. The Study Area for paleontological resources includes all proposed tower locations, access roads and ROWs, staging yards, pull sites, subtransmission lines, telecommunications lines, and underground trenching.

The Valley Yard and the New Workstations encompass approximately 52.4 acres and extend from the Valley Substation in the City of Menifee to just west of I-15 and SR-74 in the City of Lake Elsinore (Attachment A: Figure 1). The Valley Yard is situated at the eastern extent of the Project alignment within an existing SCE substation located off of Menifee Road in Romoland, California (Attachment A: Figure 1). The New Workstations are located along Segments VIG1, VIG2, VIG3 of the Project alignment (Attachment A: Figure

2). The Valley Yard and New Workstations lie within the half mile buffer of the original Project area and, in general, are situated within the original ROW, immediately adjacent to structure locations of the original Project area (Attachment A: Figure 2). However, neither the use of Valley Yard nor the New Workstations were included in the paleontological resources analysis for the FEIR for the VIG Project; therefore, they are analyzed in this memo report, as discussed below. A summary of location details for the Valley Yard and New Workstations are provided in Table 1.

Table 1. Summary of Project Components Location Data

Name	Location	Acreage	Quadrangle: PLSS*
Valley Yard	Approximately 0.3 mile northwest of the intersection of Menifee and Case Roads	3.1	Romoland: T5S / R3W / Sec.14
Workstations	Along Segments VIG1, VIG2, VIG3	49.3	Various

*PLSS = Public Land Survey System

3.0 METHODS

A paleontological analysis was conducted for the original components along the approximately 27-mile alignment of the Valley-Ivyglen Project as part of the FEIR (Ecology and Environment, Inc., 2017). The analysis included reviews of geologic maps, literature, and several museum paleontological records searches.

This current paleontological analysis consists of a review of geologic mapping by Morton and Miller (2006), a review of the Project's FEIR (Ecology and Environment, Inc., 2017), including the previously completed paleontological records searches and literature reviews for the Valley-Ivyglen Project (Jefferson, 1989; Lander, 2008; Scott, 2009), and a review of the previously completed paleontological records searches and literature for the nearby Valley South Subtransmission Project (McLeod, 2013; Scott, 2014).

A supplemental paleontological survey was not conducted for the Valley Yard and New Workstations, since these components are generally situated within the original ROW of the Project. Additionally, the geologic units that are mapped at the Valley Yard and New Workstations are also mapped in the originally proposed Project area, and therefore, they have already been analyzed in the FEIR (Ecology and Environment, Inc., 2017).

4.0 RESULTS

4.1 Geologic Map Review

Geologic mapping by Morton and Miller (2006) indicates that the Valley Yard is underlain by late to middle Pleistocene-age old alluvial fan deposits (Qof) (Attachment A: Figure 3). Geologic mapping also indicates that the remainder of VIG1, VIG2, VIG3, including the New Workstations, are underlain by late Holocene-age very young wash deposits (Qw), Holocene- to late Pleistocene-age young axial-channel deposits (Qya), Holocene- to late Pleistocene-age young alluvial fan deposits (Qyf), late to middle Pleistocene-age old alluvial fan deposits (Qof), middle to early Pleistocene-age very old axial-channel deposits (Qvoa), middle to early Pleistocene-age very old alluvial fan deposits (Qvof), Cretaceous-age gabbro, undifferentiated (Kgb), Cretaceous-age Gavilan Ring Complex (Kgt), Triassic-age rocks of Menifee Valley, phyllite (Trmp), and Triassic-age rocks of Menifee Valley, undifferentiated (Trmu) (Morton and Miller, 2006; Attachment A: Figure 3). Also mapped within the Project vicinity within the half-mile buffer are late Holocene-age very young alluvial valley deposits (Qv), Paleocene-age Silverado Formation (Tsi), Cretaceous-age hornblende gabbro of Railroad Canyon area (Kgbf), and Triassic-age rocks of Menifee Valley, quartzite (Trmq) (Morton and Miller, 2006; Attachment A: Figure 3). The geologic units that underlie the Valley Yard and the New Workstations occur elsewhere in the Valley-Ivyglen Project alignment and are discussed in the FEIR (Ecology and Environment, Inc., 2017).

4.2 Records Search and Literature Review

Paleontological records searches were conducted at the Natural History Museum of Los Angeles County and San Bernardino County Museum for Segments VIG3 through VIG5 and parts of VIG1, VIG2, and VIG6, as part of the Project's FEIR. The records searches, as well as paleontological literature reviews, were negative for fossil localities within the Valley-Ivyglen and Valley South Subtransmission Project areas and immediate vicinity, which includes the Valley Yard and New Workstations. However, Pleistocene-age deposits similar to those within the Valley Yard and New Workstations have proven to yield scientifically significant paleontological resources throughout the Inland Empire, typically from finer-grained alluvial deposits (Jefferson, 1989; Lander, 2008; McLeod, 2013; Scott, 2009, 2014). Therefore, the generally fine-grained middle to early Pleistocene-age very old axial-channel deposits (Qvoa) are considered to have a high potential for buried resources based on SVP (2010) guidelines, and the generally coarser-grained late to middle Pleistocene-age old alluvial fan deposits (Qof) and middle to early Pleistocene-age very old alluvial fan deposits (Qvof) have an undetermined paleontological potential until the specific lithology at a given location has been observed and evaluated. Additionally, due to the abundance of invertebrate and plant fossils recorded from Paleocene-age Silverado Formation (Tsi) (Ecology and Environment, Inc., 2017), this unit is also considered to have a high paleontological potential based on SVP (2010) guidelines.

Younger sedimentary deposits, including late Holocene-age very young alluvial valley deposits (Qv), late Holocene-age very young wash deposits (Qw), Holocene- to late Pleistocene-age young axial-channel deposits (Qya), and Holocene- to late Pleistocene-age young alluvial fan deposits (Qyf), are generally considered to be too young to contain *in situ* paleontological resources, and are, therefore, considered to have a low paleontological potential based on SVP (2010) guidelines.

Further, Cretaceous-age gabbro, undifferentiated (Kgb), Cretaceous-age hornblende gabbro of Railroad Canyon area (Kgbf), Cretaceous-age Gavilan Ring Complex (Kgt), Triassic-age rocks of Menifee Valley, phyllite (Trmp), Triassic-age rocks of Menifee Valley, quartzite (Trmq), and Triassic-age rocks of Menifee Valley, undifferentiated (Trmu) do not contain fossils due to their high heat of formation deep below the surface of the earth, and are therefore considered to have no paleontological potential based on SVP (2010) guidelines.

4.3 Field Survey

An additional pedestrian field survey was not conducted for the Valley Yard and New Workstations, because these components lie within close proximity (within half a mile) to the existing Valley-Ivyglen and Valley South Subtransmission Project area (see Appendix A: Figure 3; see Paleo Solutions, 2020). Additionally, the Valley Yard and New Workstations are generally situated within the original ROW of the Project, and many of the new structure locations are situated immediately adjacent to structure locations that were included in the original Project area and the FEIR (Ecology and Environment, Inc., 2017). Further, since the geologic units that are mapped at the Valley Yard and New Workstations are also mapped in the originally proposed Project area, they have already been analyzed in the FEIR (Ecology and Environment, Inc., 2017).

5.0 RECOMMENDATIONS

Paleontological monitoring, spot checking, and fossil recovery should be implemented at the Valley Yard and New Workstations in accordance with Mitigation Measures (MM) CR-4 and CR-5 and the Project's PRMP (Paleo Solutions, 2020). Full-time monitoring should be conducted during excavations impacting geologic units with high paleontological sensitivity, including middle to early Pleistocene-age very old axial-channel deposits (Qvoa) and Paleocene-age Silverado Formation (Tsi), either at the surface or at depth beneath younger surficial sediments. Spot-checking should initially be conducted during excavations impacting geologic units with undetermined paleontological sensitivity, including late to middle Pleistocene-age old

alluvial fan deposits (Qof) and middle to early Pleistocene-age very old alluvial fan deposits (Qvof). No paleontological monitoring or spot checking is required in low paleontological sensitivity deposits, including late Holocene-age very young alluvial valley deposits (Qv), late Holocene-age very young wash deposits (Qw), Holocene- to late Pleistocene-age young axial-channel deposits (Qya), and Holocene- to late Pleistocene-age young alluvial fan deposits (Qyf), in order to inspect for the presence of paleontologically sensitive sediments. Monitoring should not be conducted during excavations impacting geologic units with no paleontological sensitivity, including Cretaceous-age gabbro, undifferentiated (Kgb), Cretaceous-age hornblende gabbro of Railroad Canyon area (Kgbf), Cretaceous-age Gavilan Ring Complex (Kgt), Triassic-age rocks of Menifee Valley, phyllite (Trmp), Triassic-age rocks of Menifee Valley, quartzite (Trmq), and Triassic-age rocks of Menifee Valley, undifferentiated (Trmu). A summary of the monitoring requirements for the Valley Yard and each New Workstation is provided as Attachment B.

If you have any questions concerning the results for this study, please contact me at crichards@paleosolutions.com.

Sincerely,

Courtney Richards, M.S.
Principal Paleontologist
Paleo Solutions, Inc.

Attachments:
Attachment A Figures
Attachment B Monitoring Requirements

References:

Chandler, Evelyn and Liz Denniston. 2020. Addendum: Summary of Cultural Resources Assessments to Date for the Southern California Edison Valley Ivyglen Subtransmission Line Project, Riverside County, California. Prepared for Wilson Construction Company. Dated April 2020.

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ATTACHMENT A: Figures

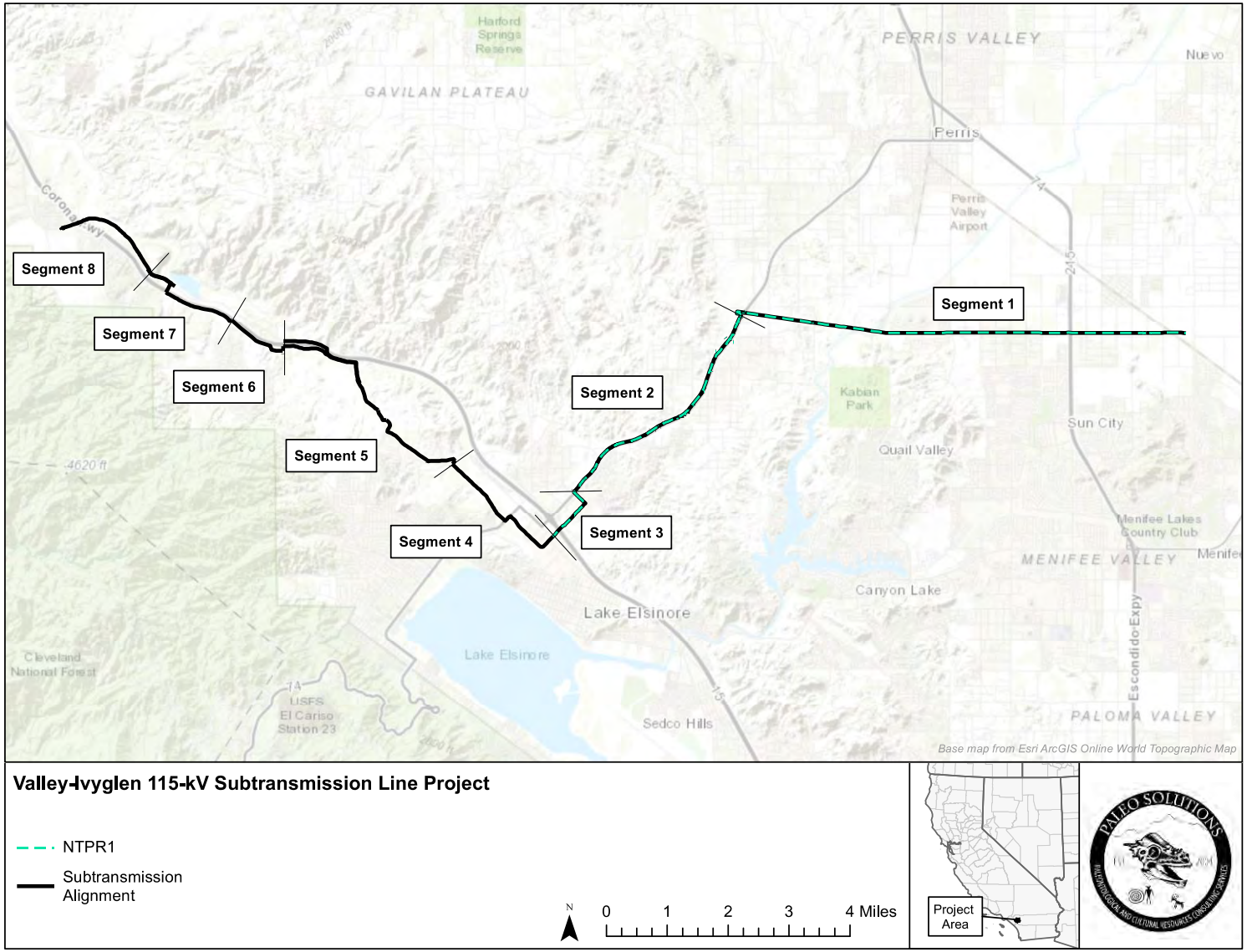


Figure 1. Project Location Map (Valley Yard and New Workstations in Segment VIG1, VIG2, and VIG3).

Figure 2a. Project Overview Map.

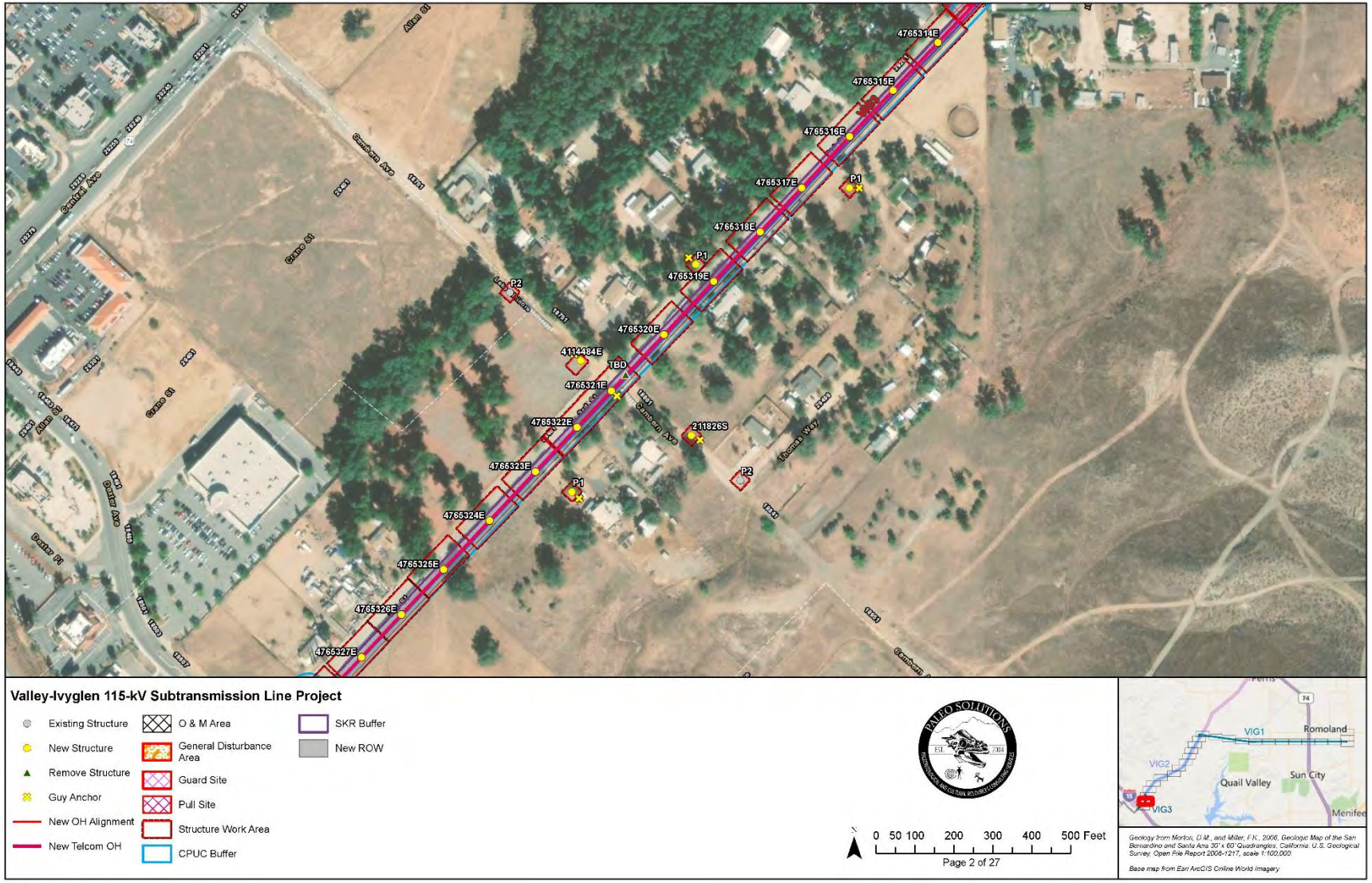


Figure 2b. Project Overview Map.

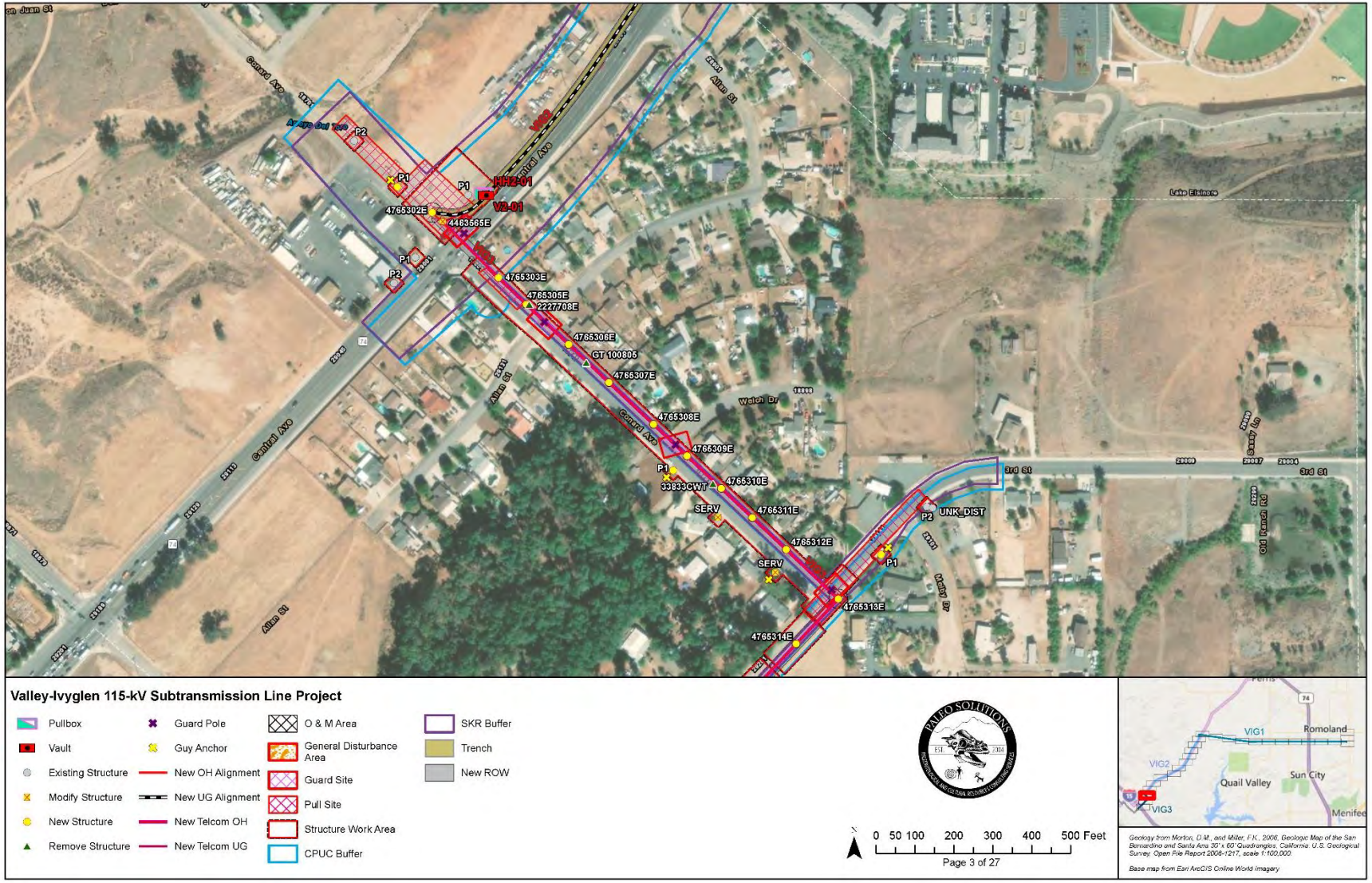
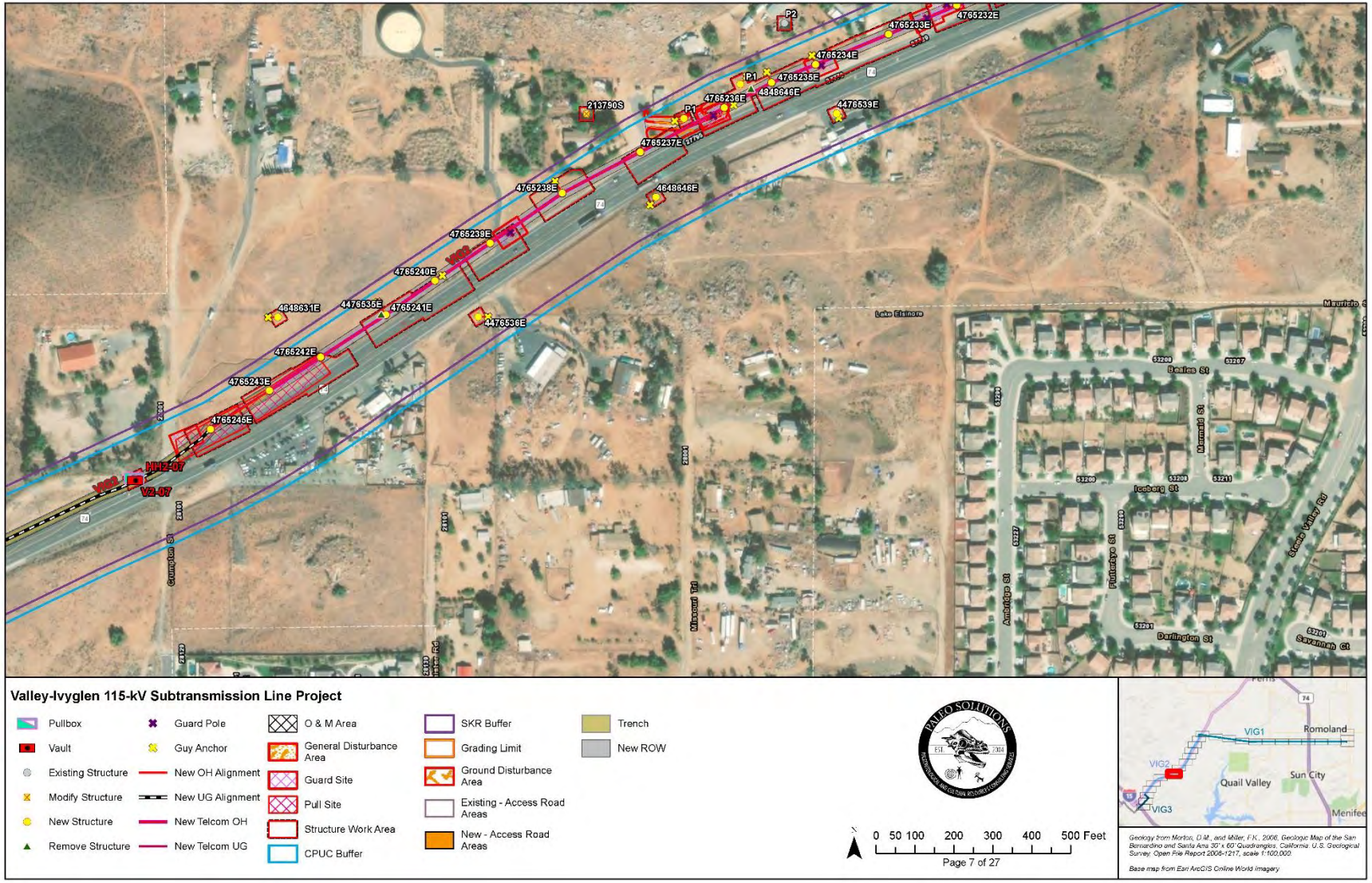


Figure 2c. Project Overview Map.

Figure 2d. Project Overview Map.

Figure 2e. Project Overview Map.

Figure 2f. Project Overview Map.



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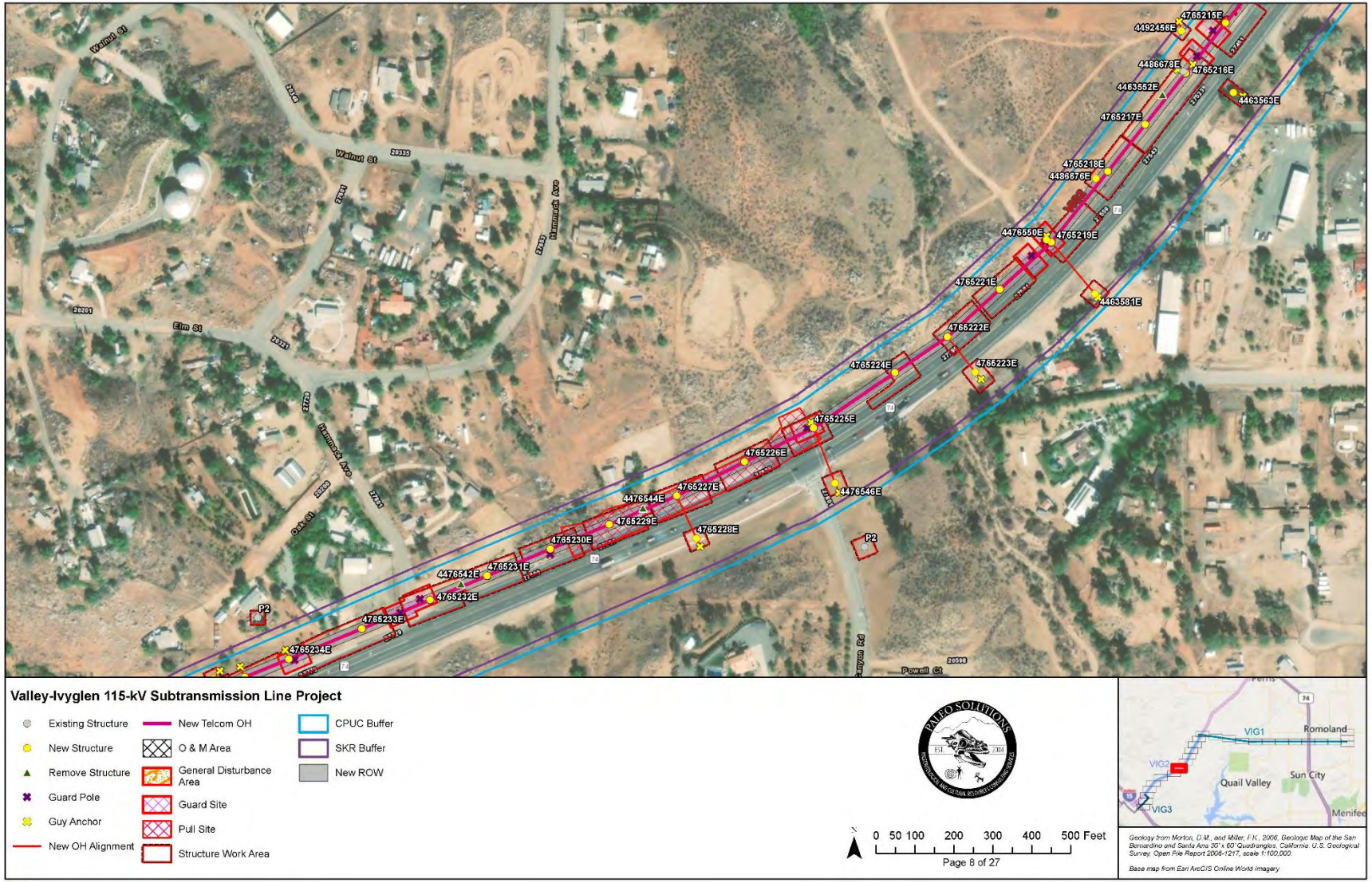

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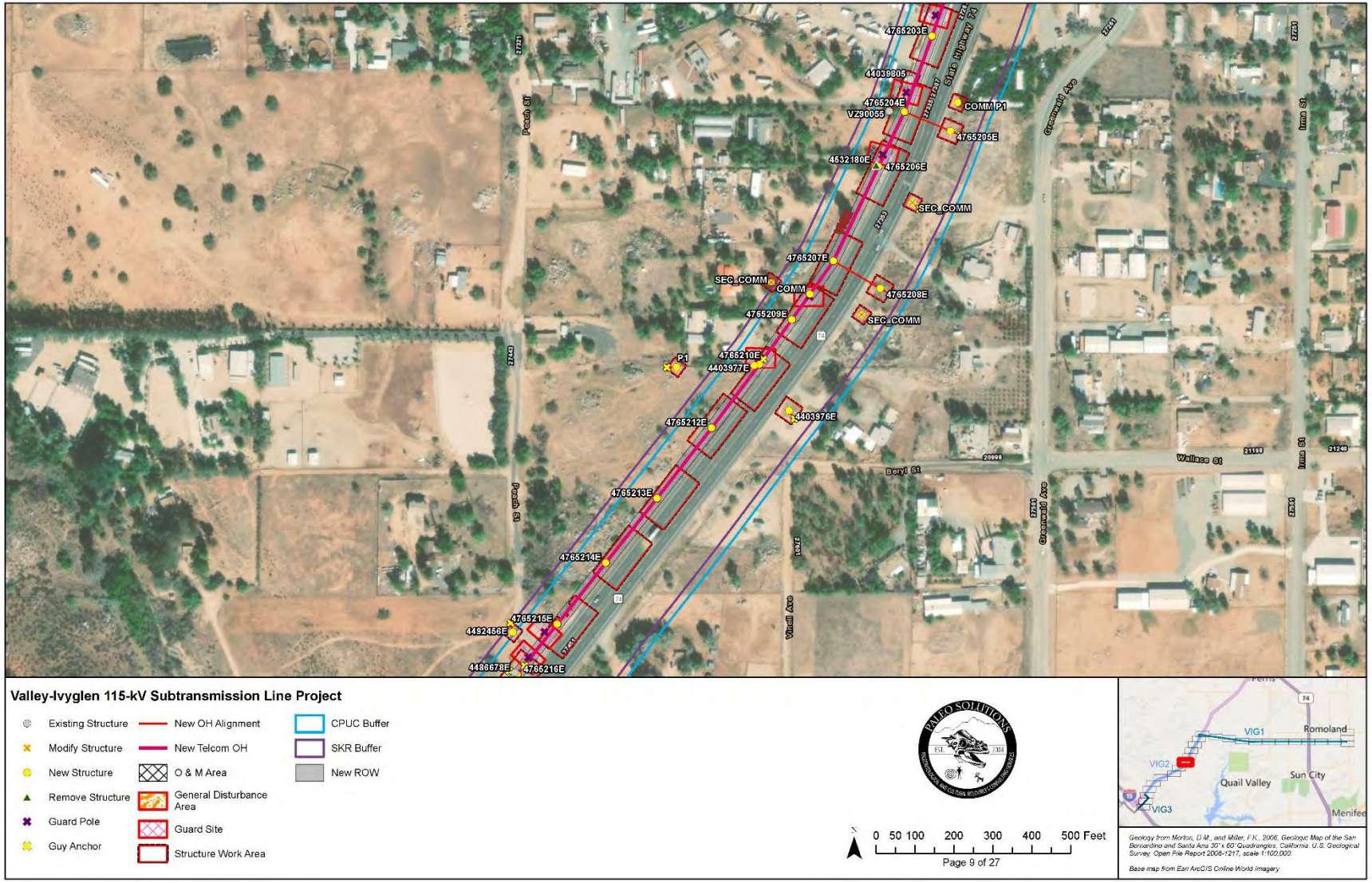


Figure 2i. Project Overview Map.

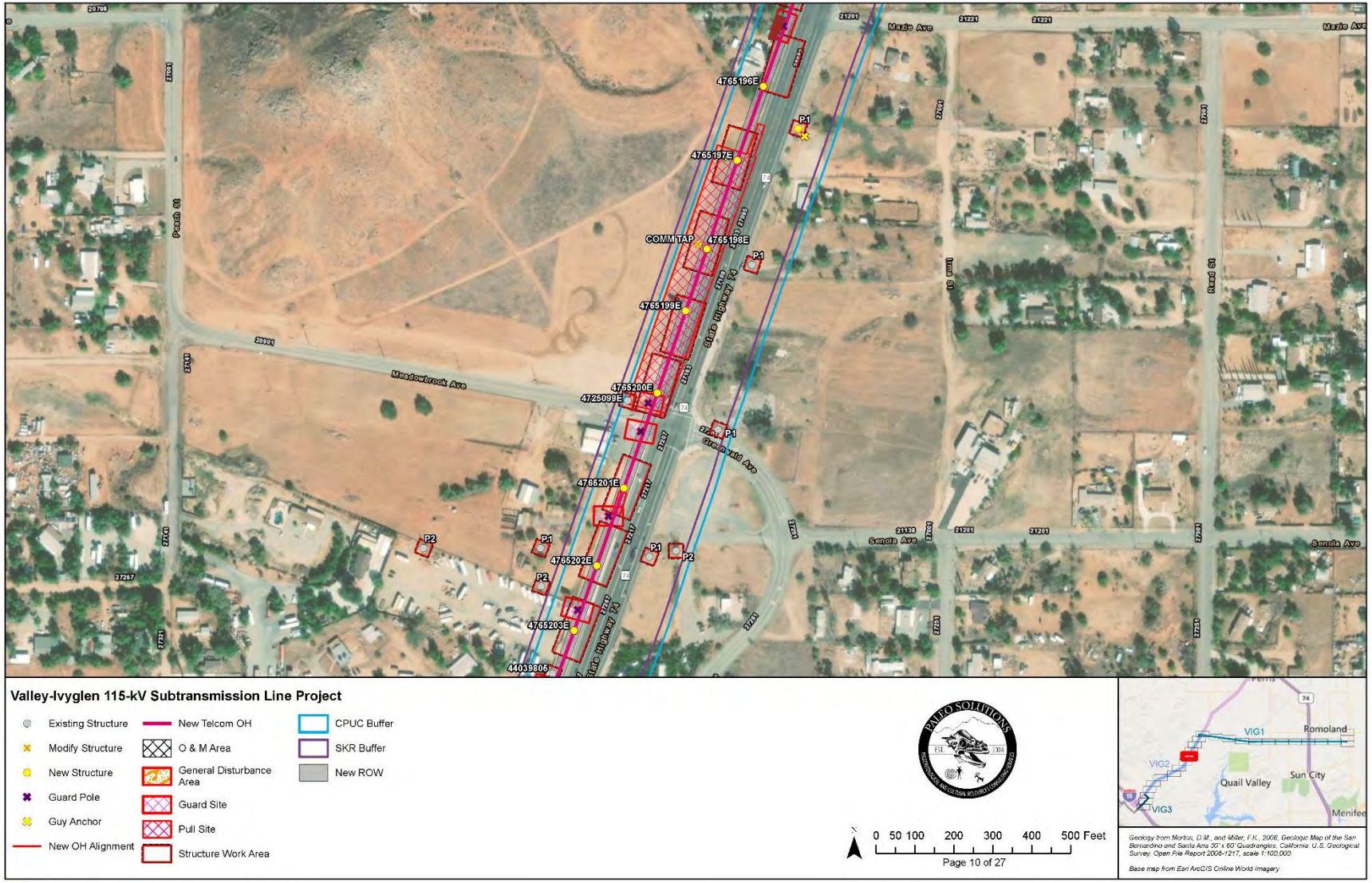
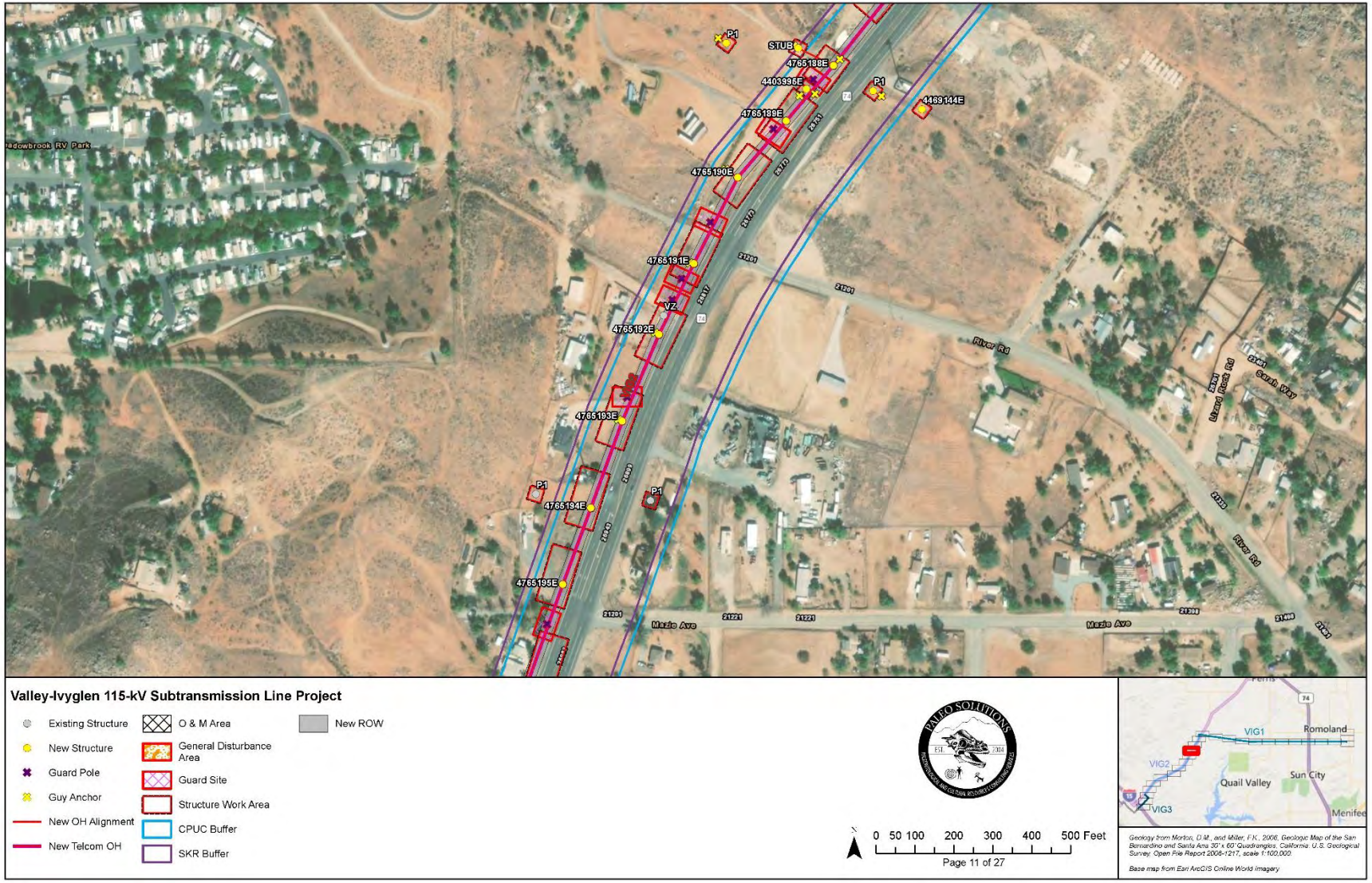


Figure 2j. Project Overview Map.



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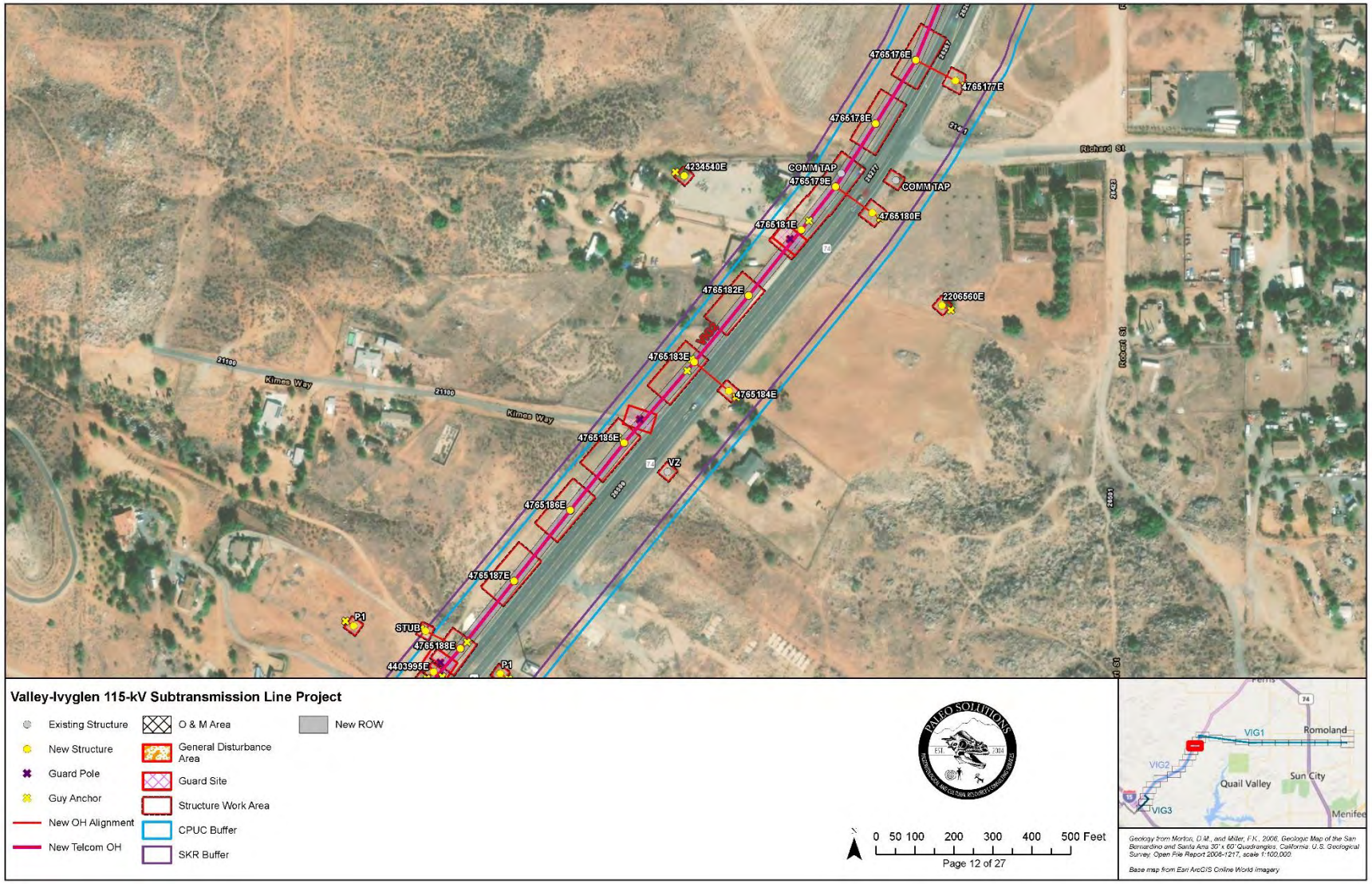

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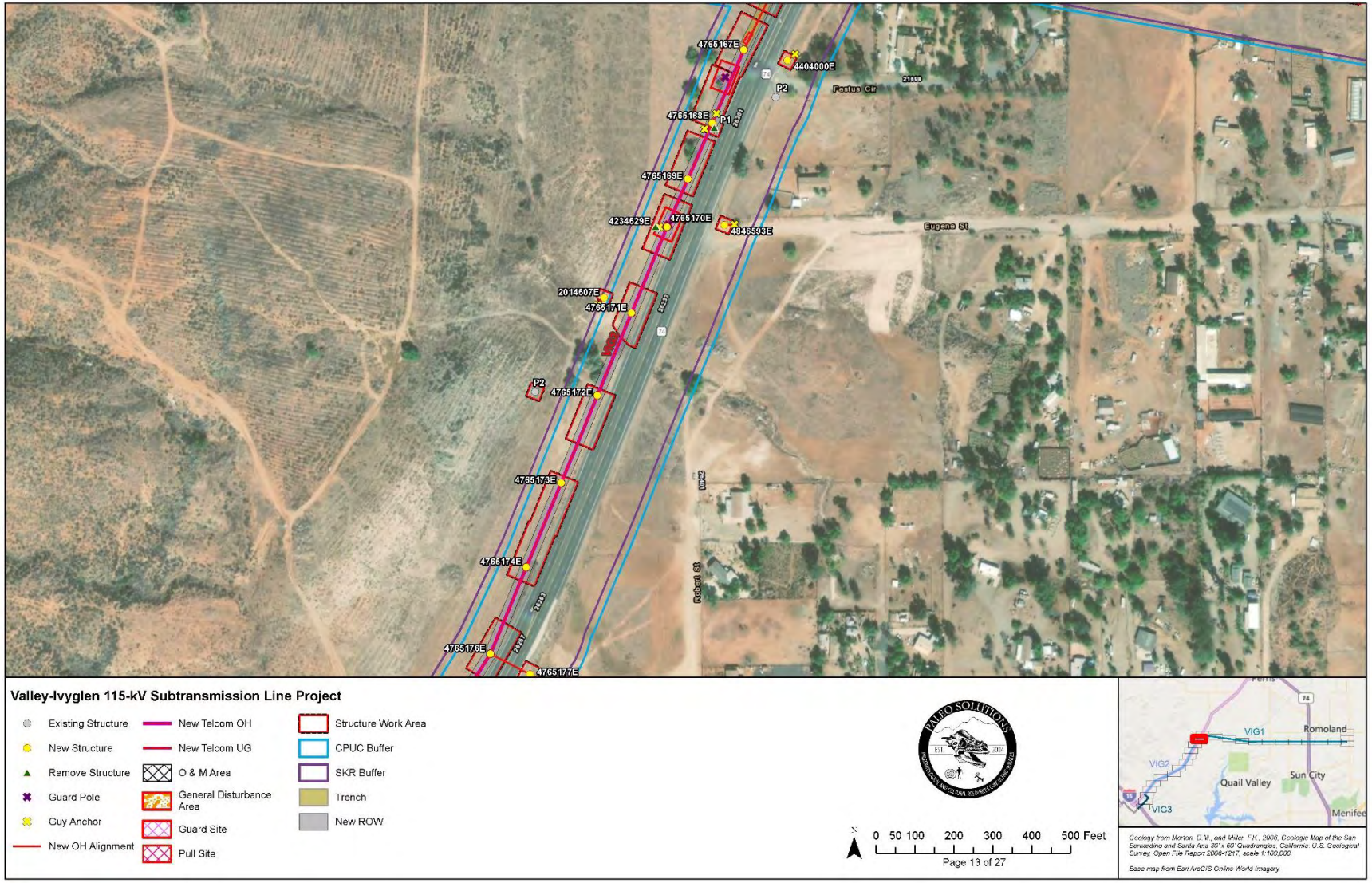


Figure 2m. Project Overview Map.

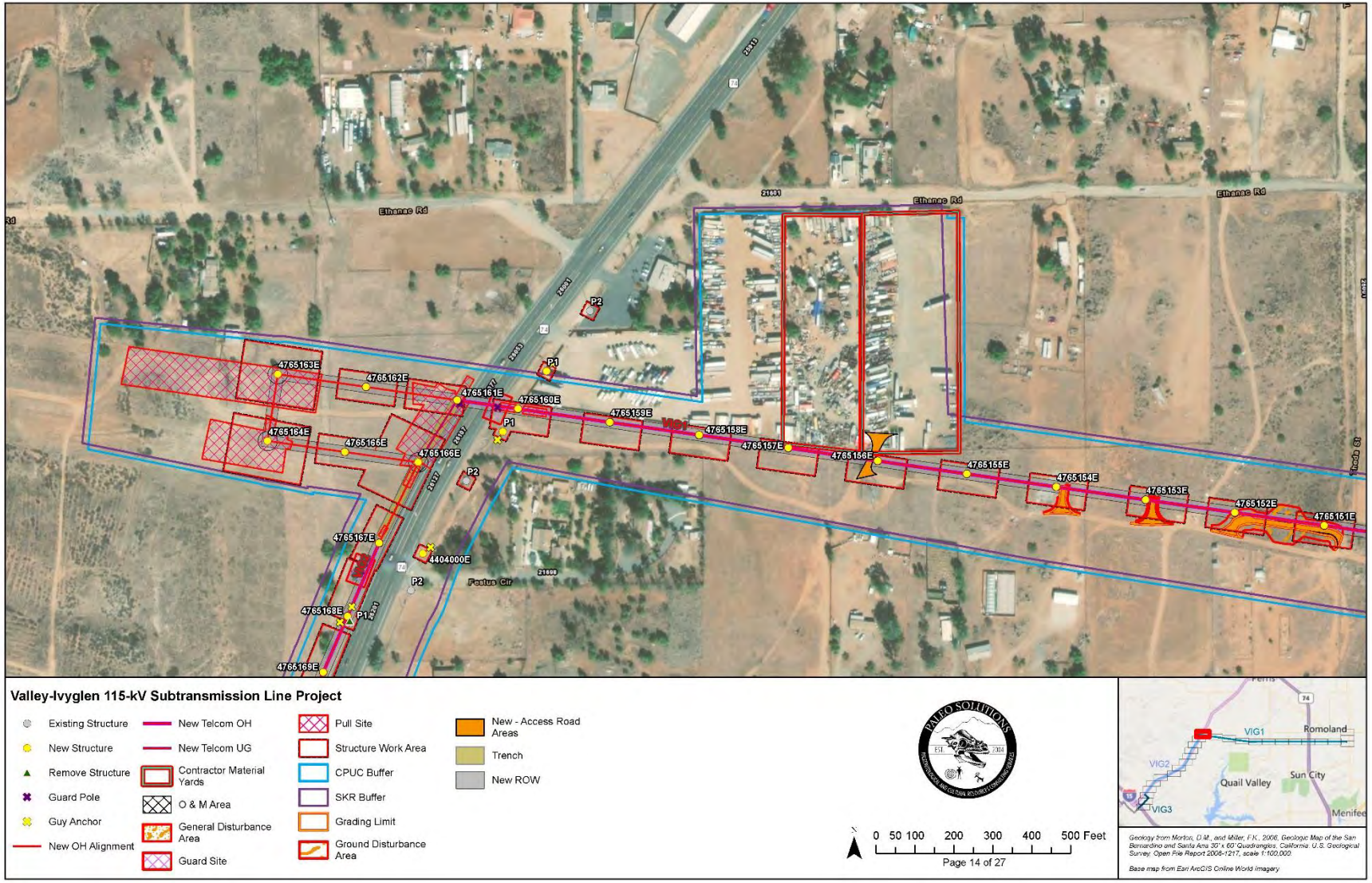
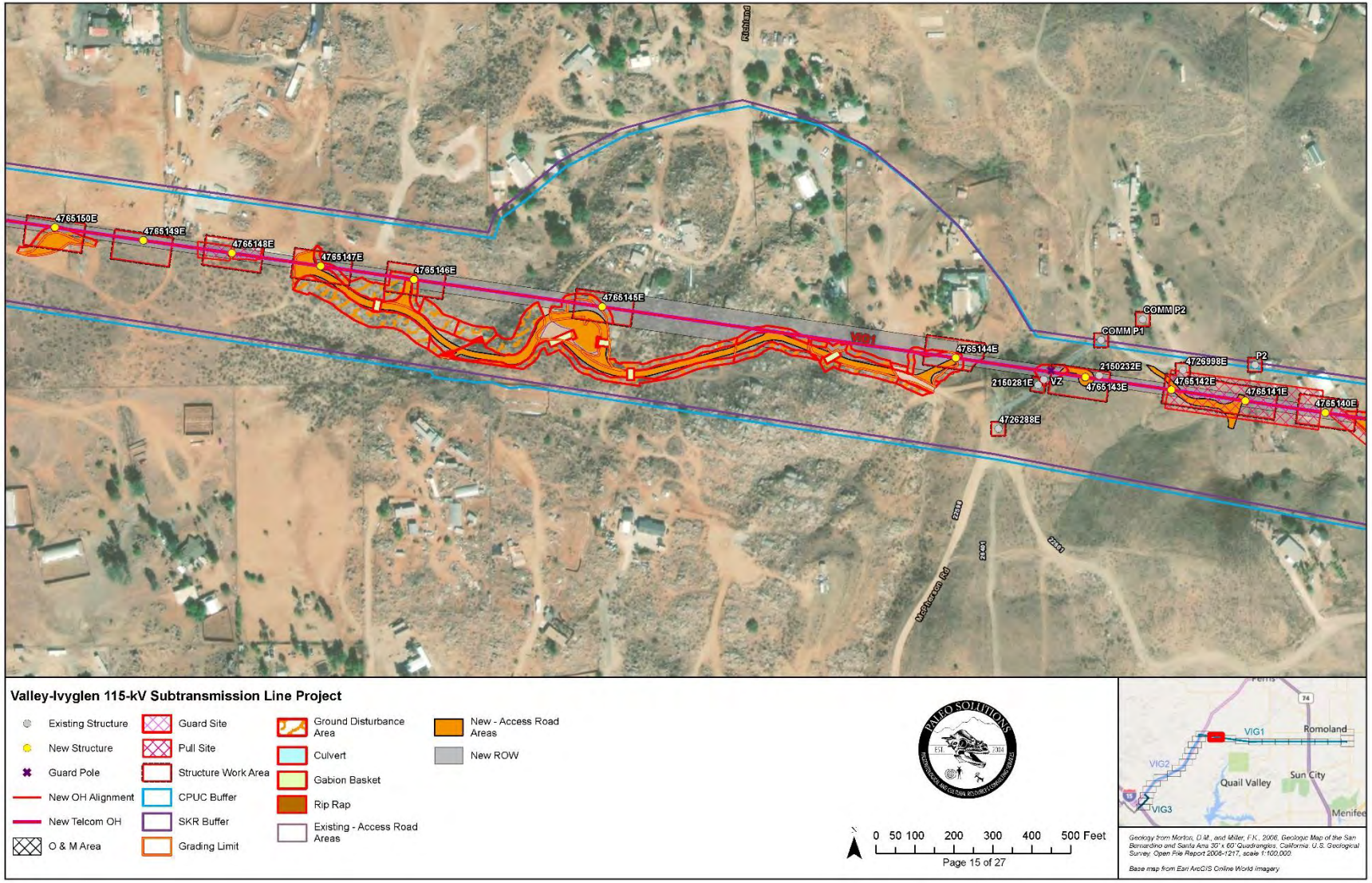


Figure 2n. Project Overview Map.



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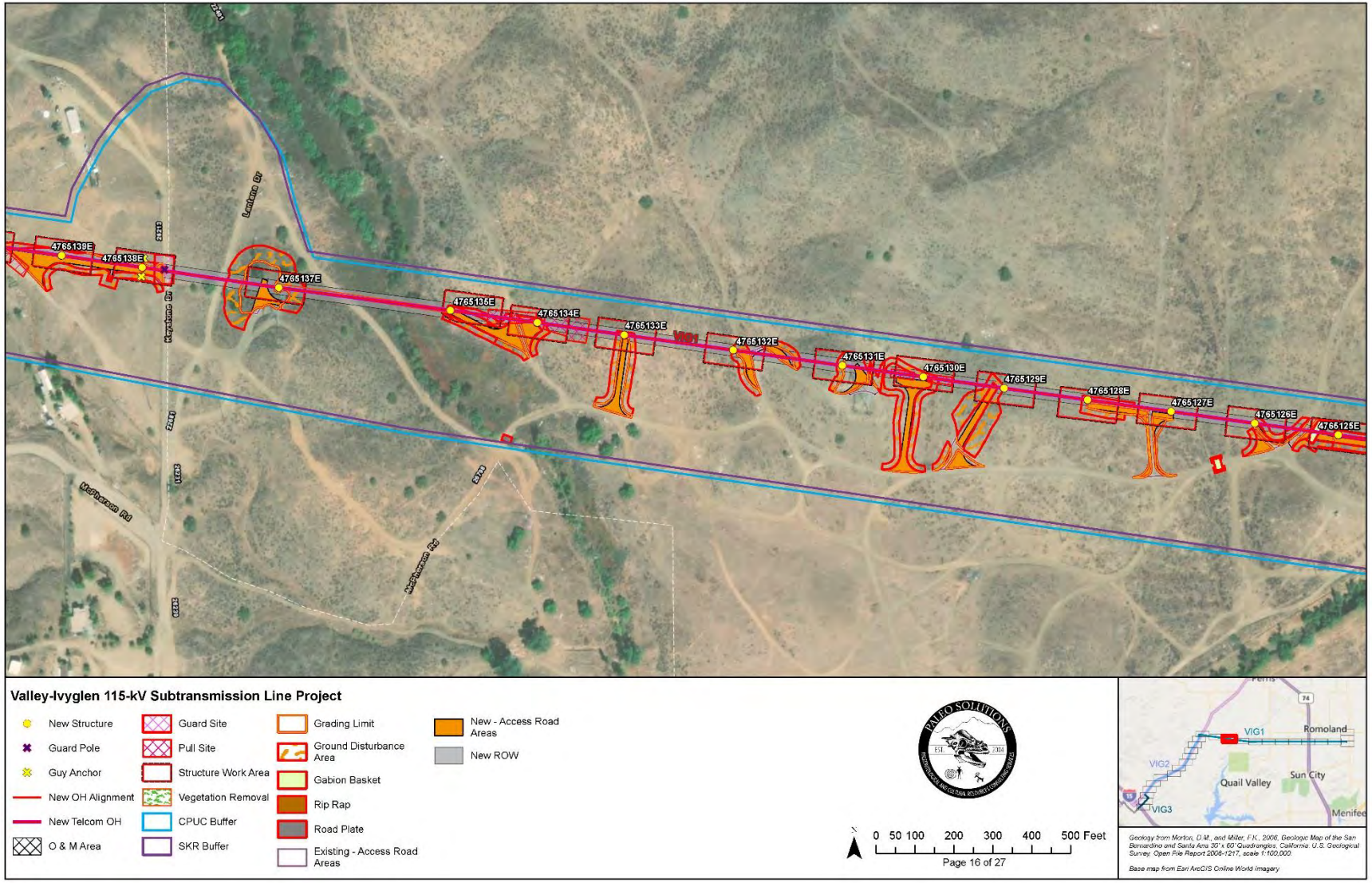

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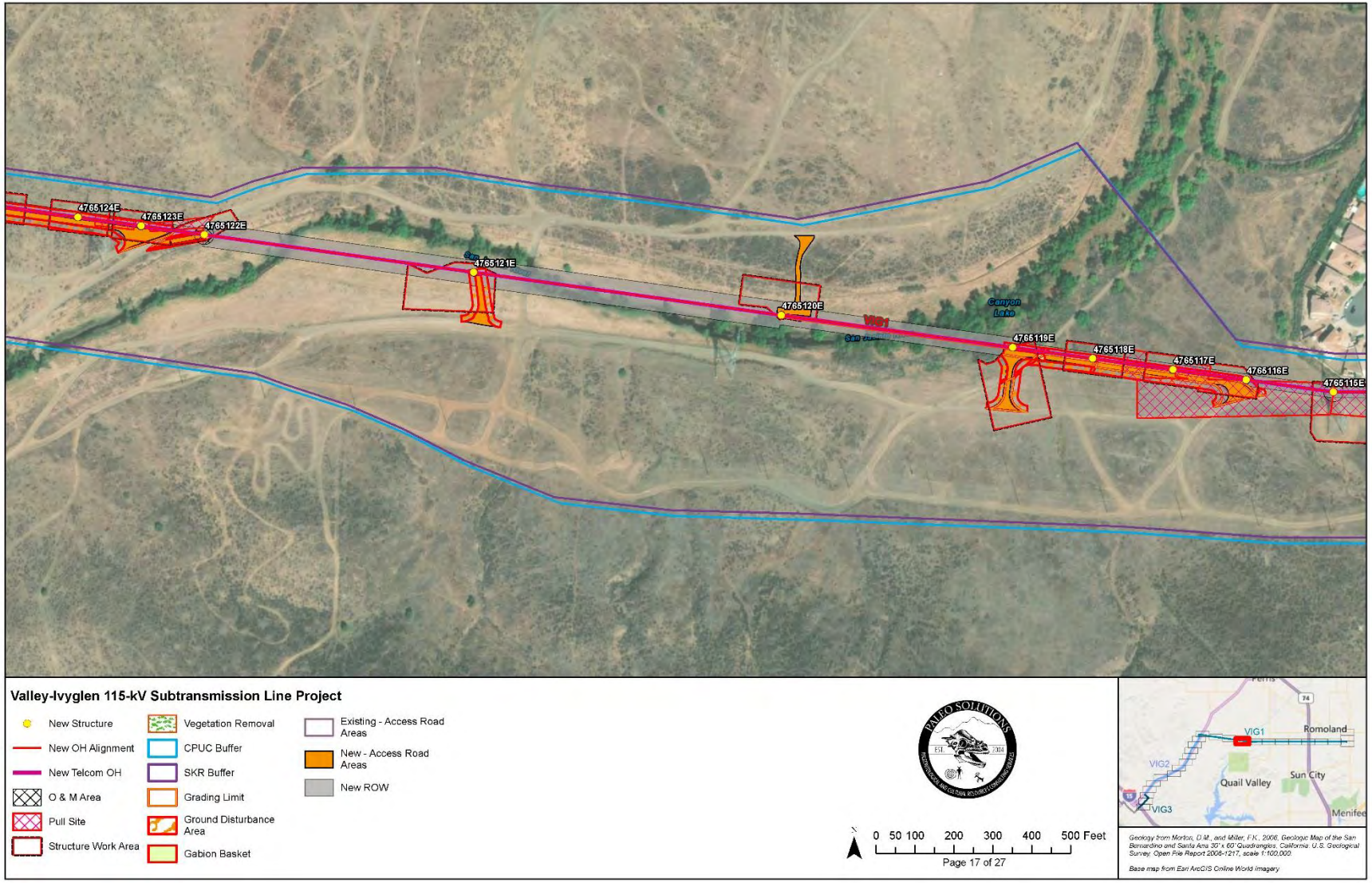

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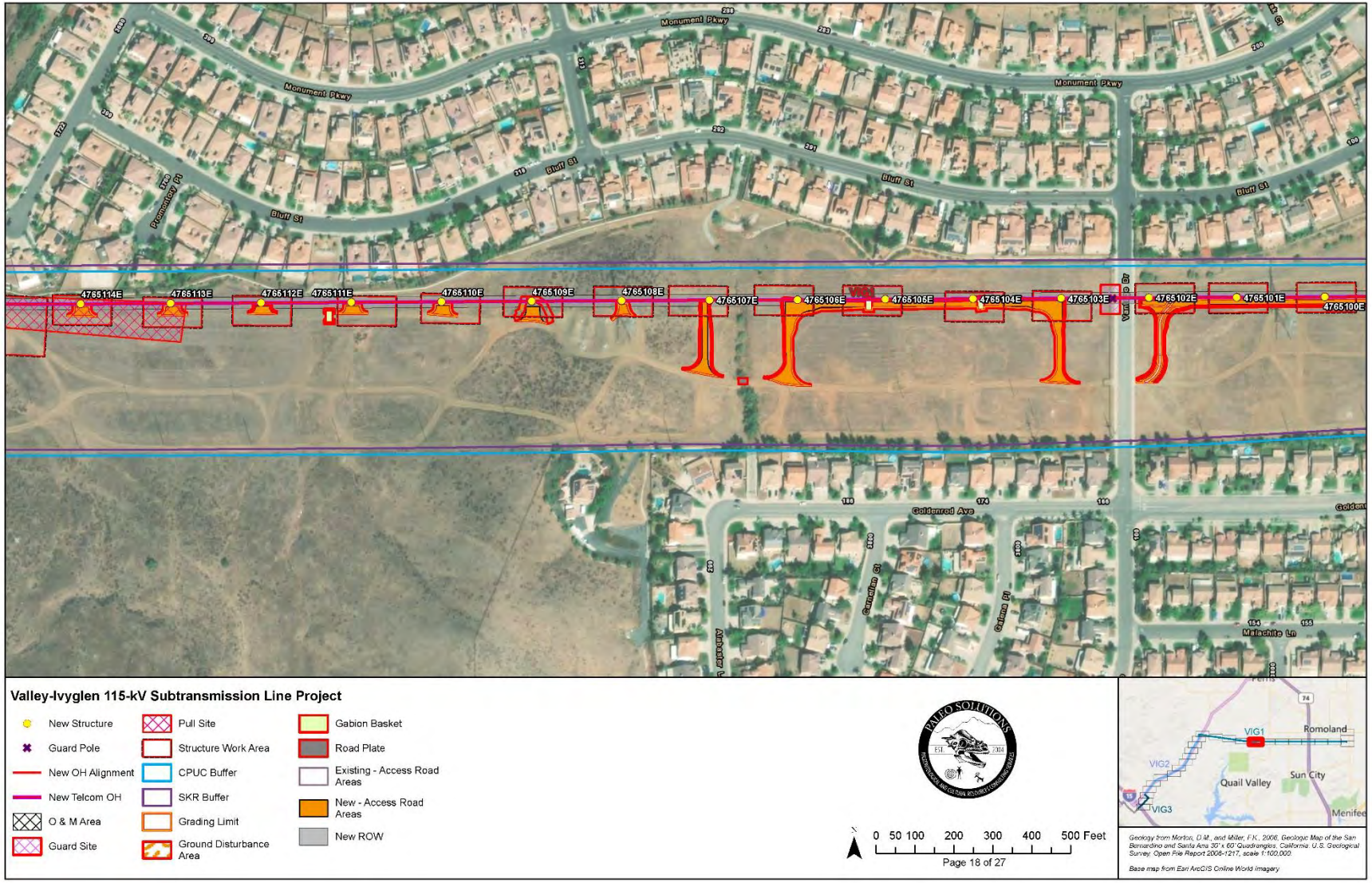

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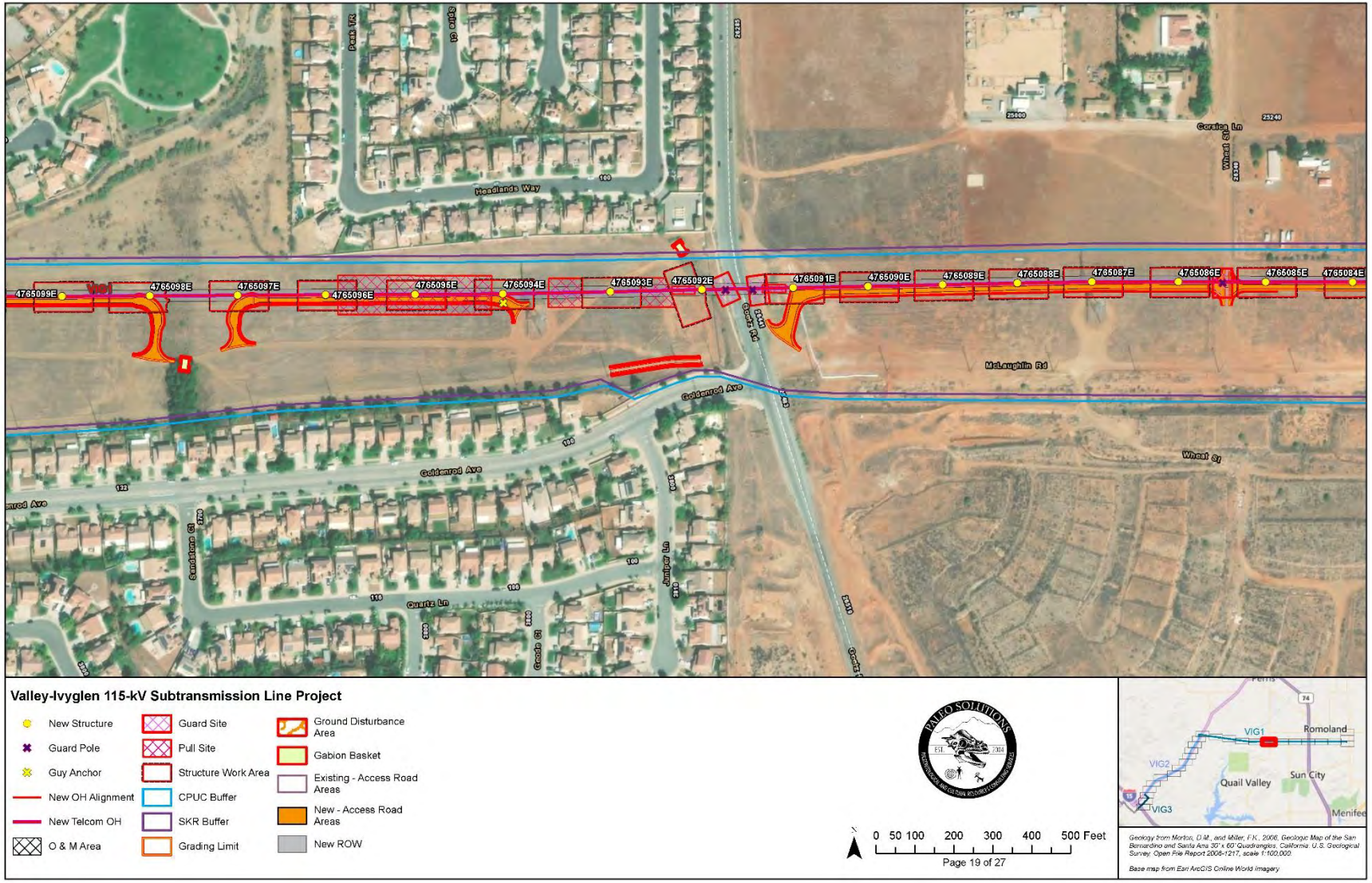

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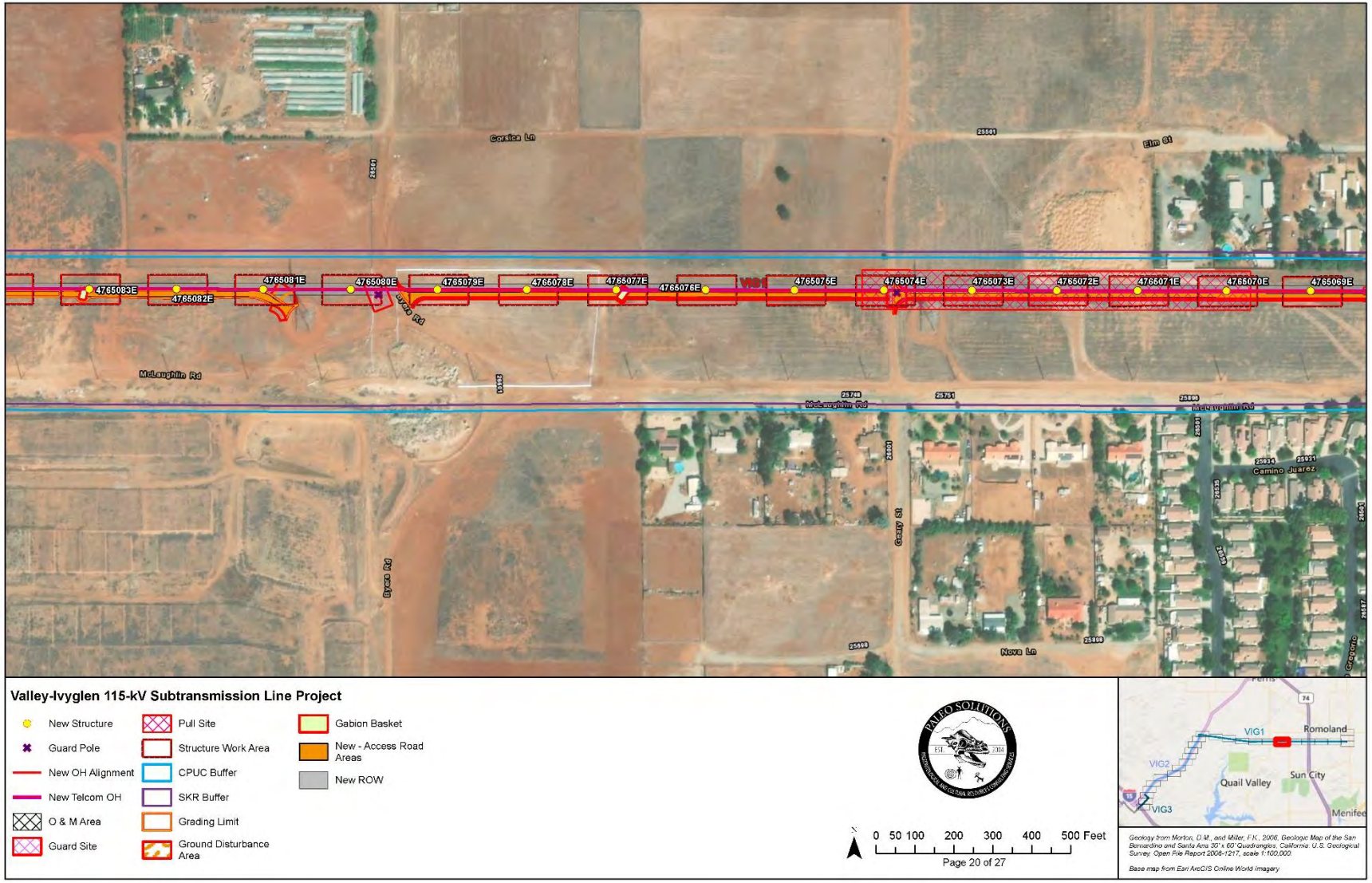

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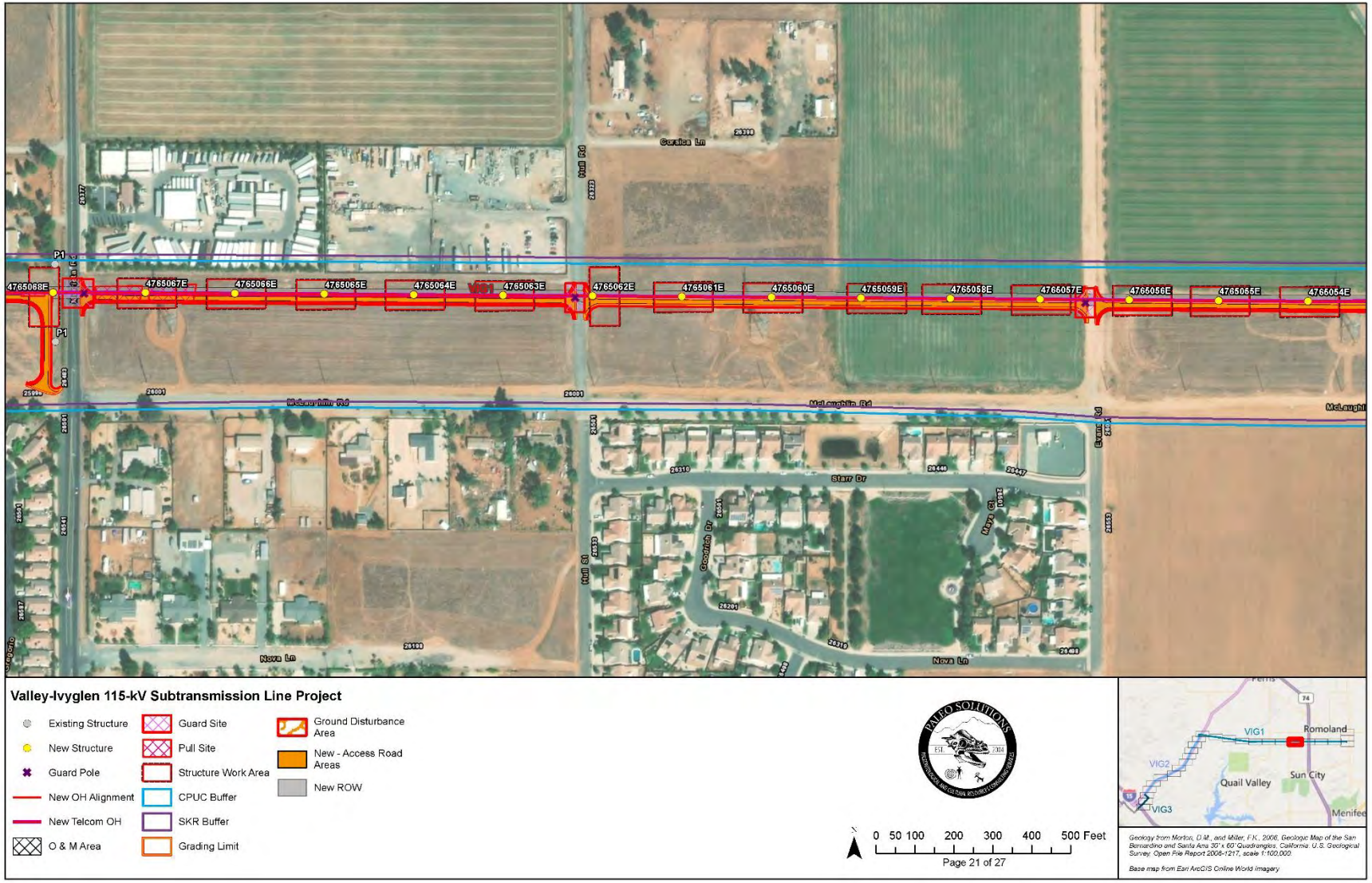

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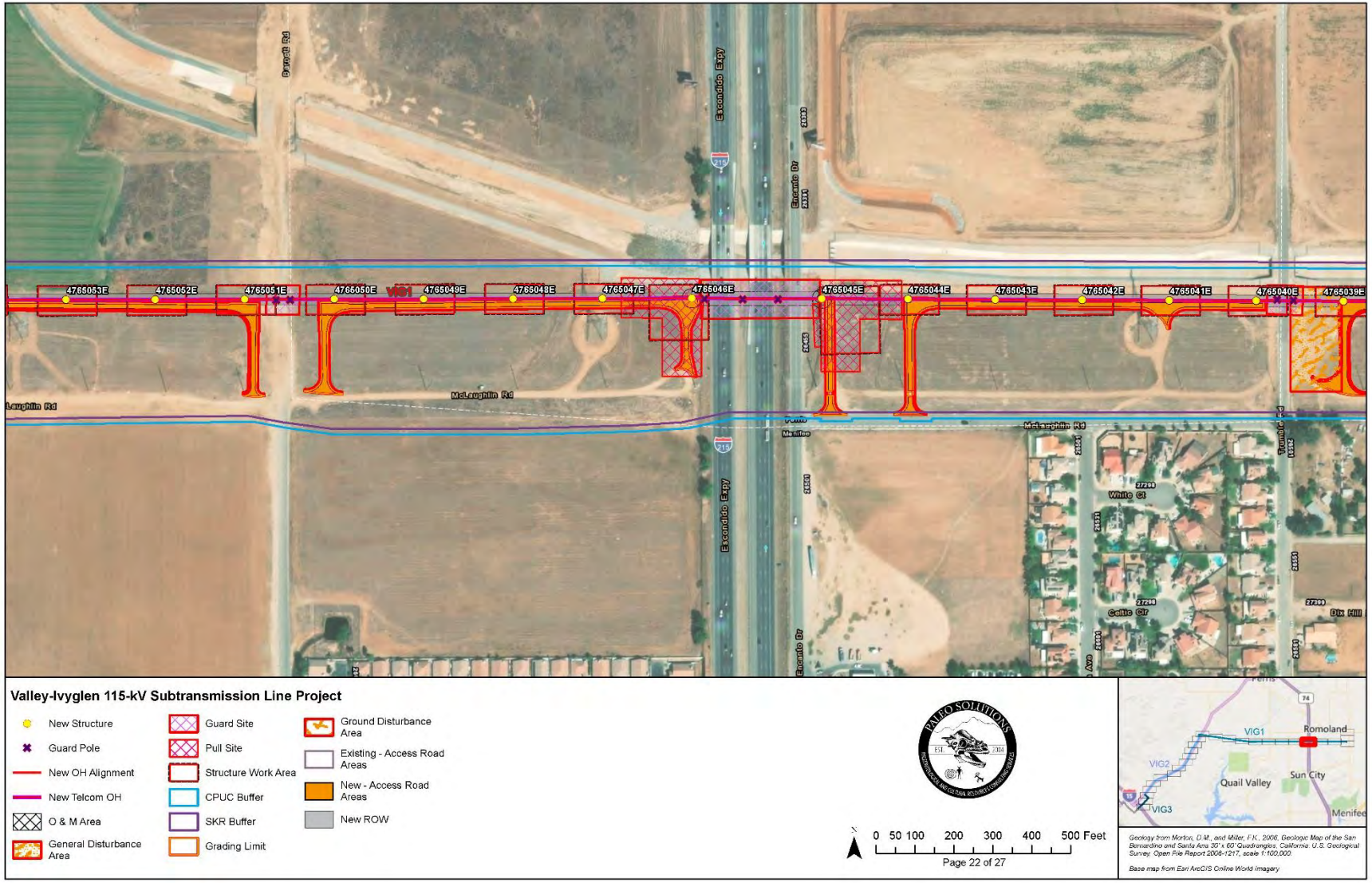

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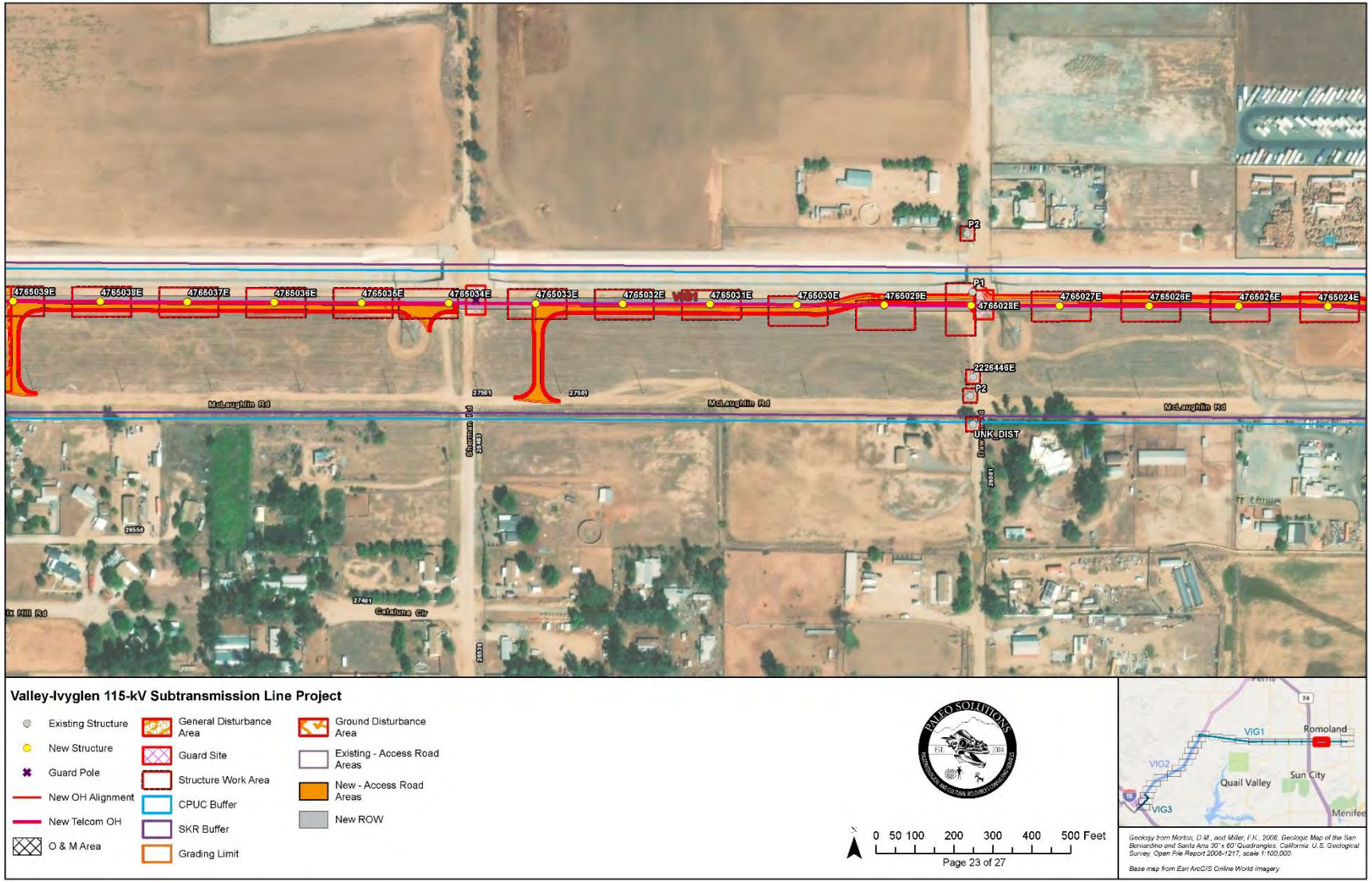

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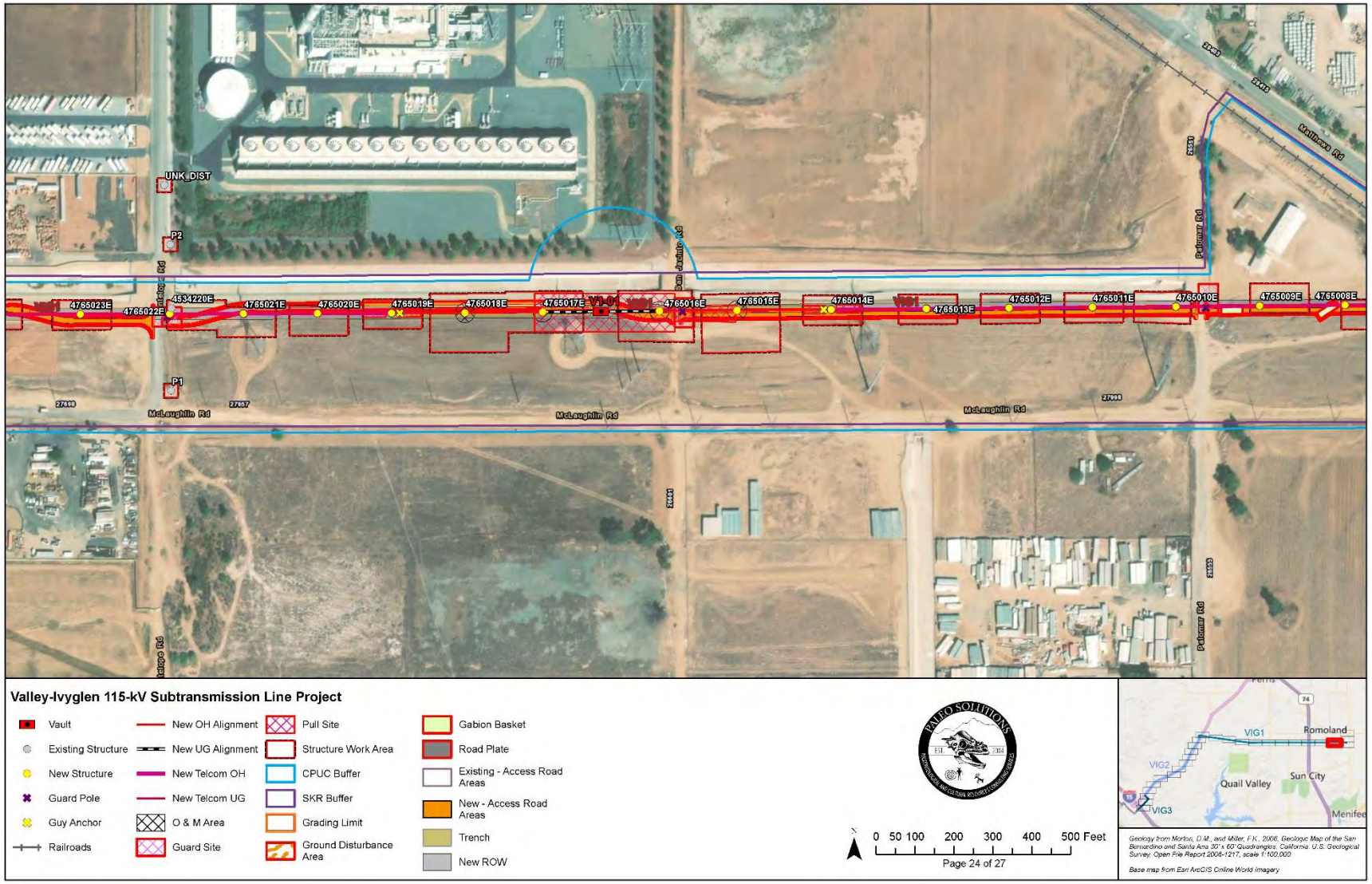

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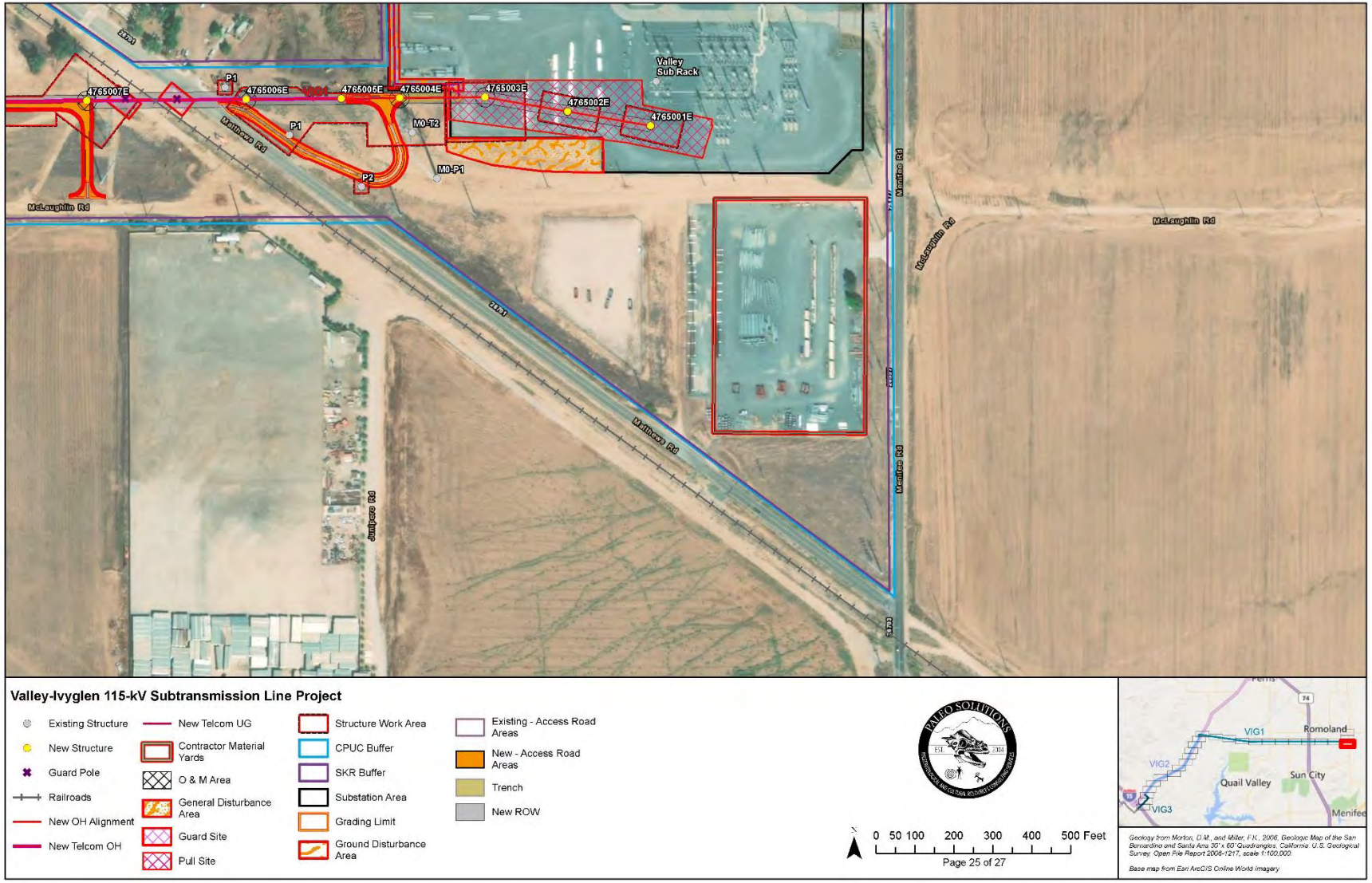

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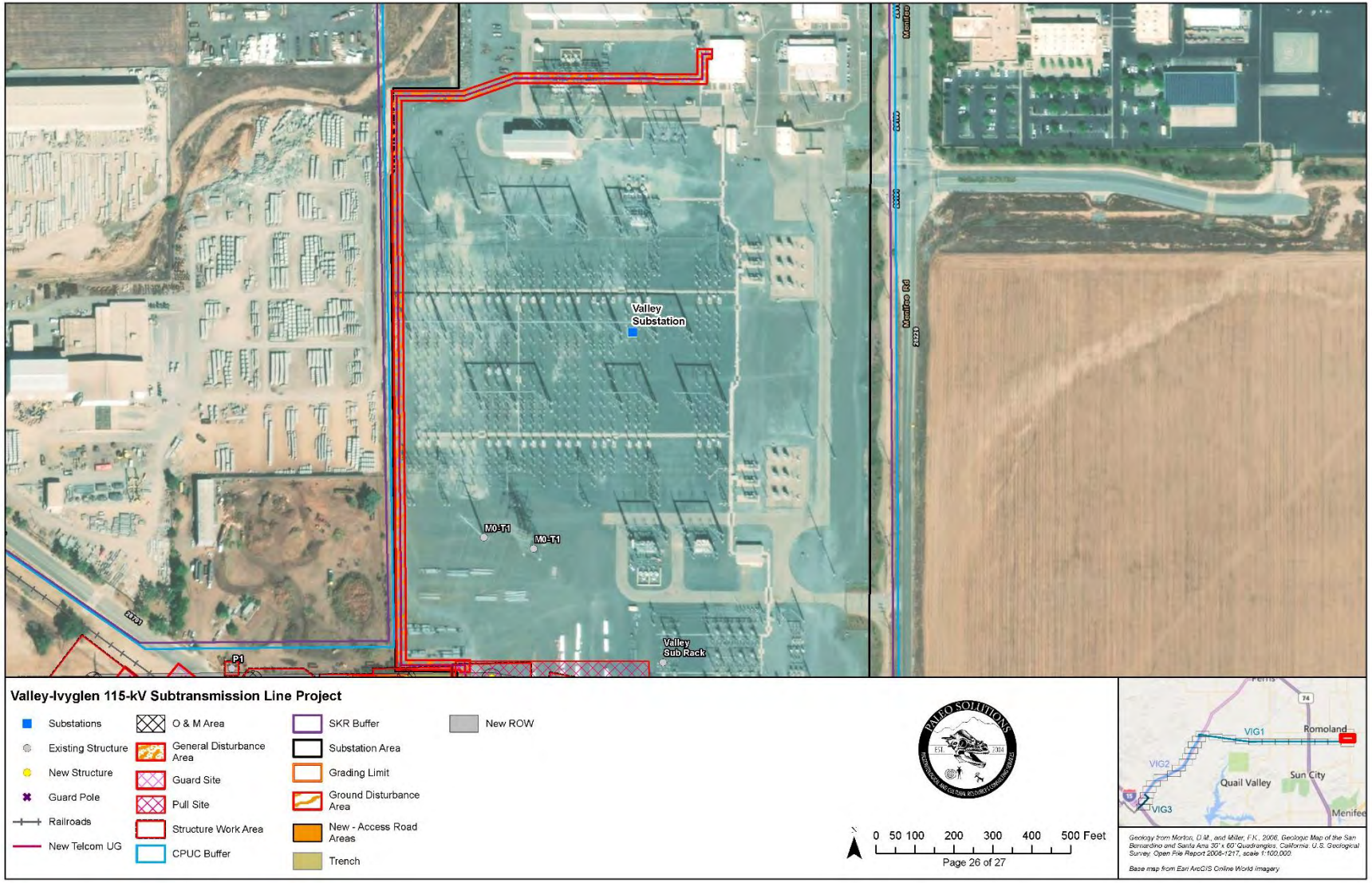

Figure 2z. Project Overview Map.

Figure 2aa. Project Overview Map.

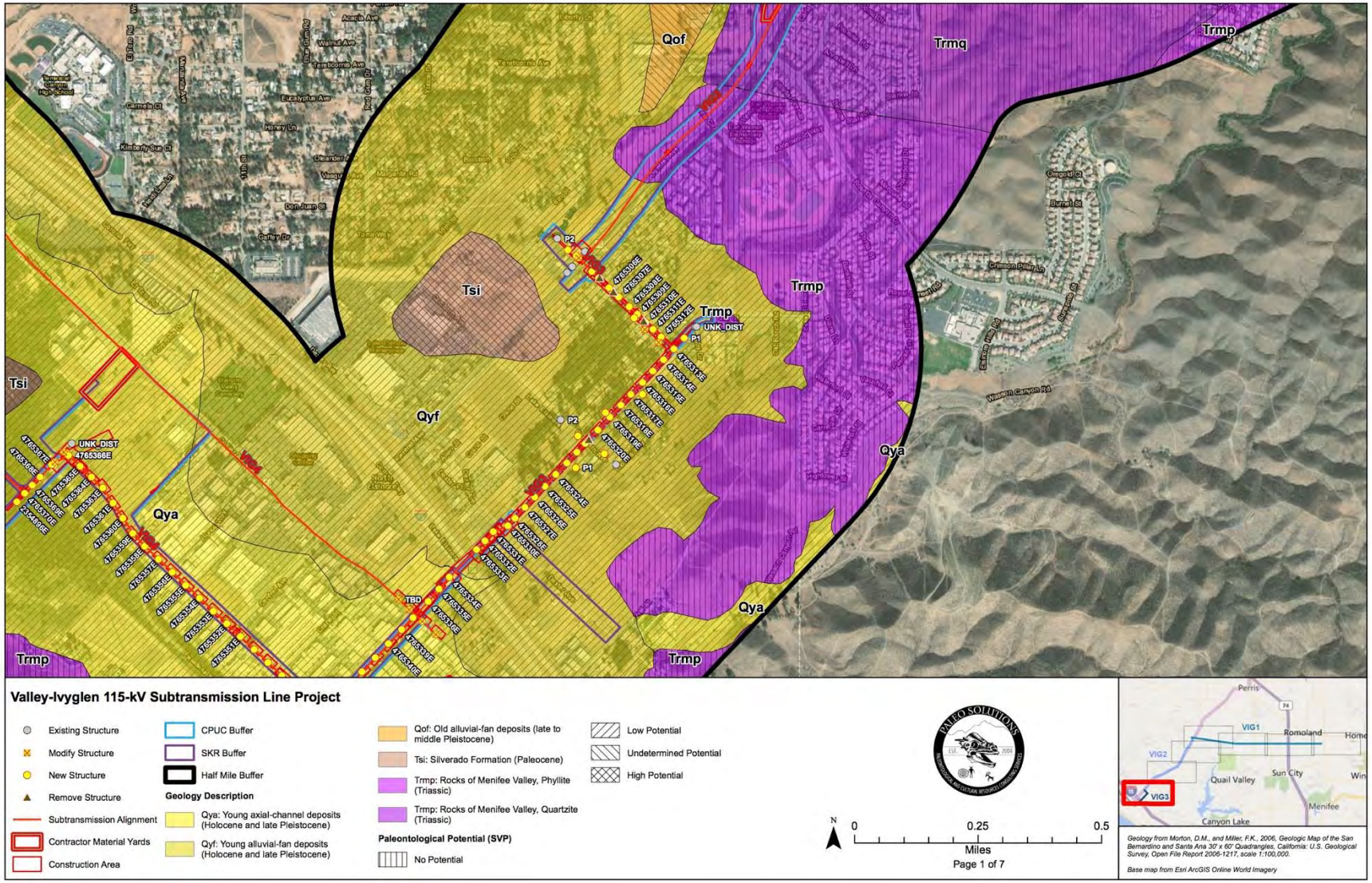

Figure 2a. Valley Yard and New Workstations Geology and Paleontological Sensitivity.

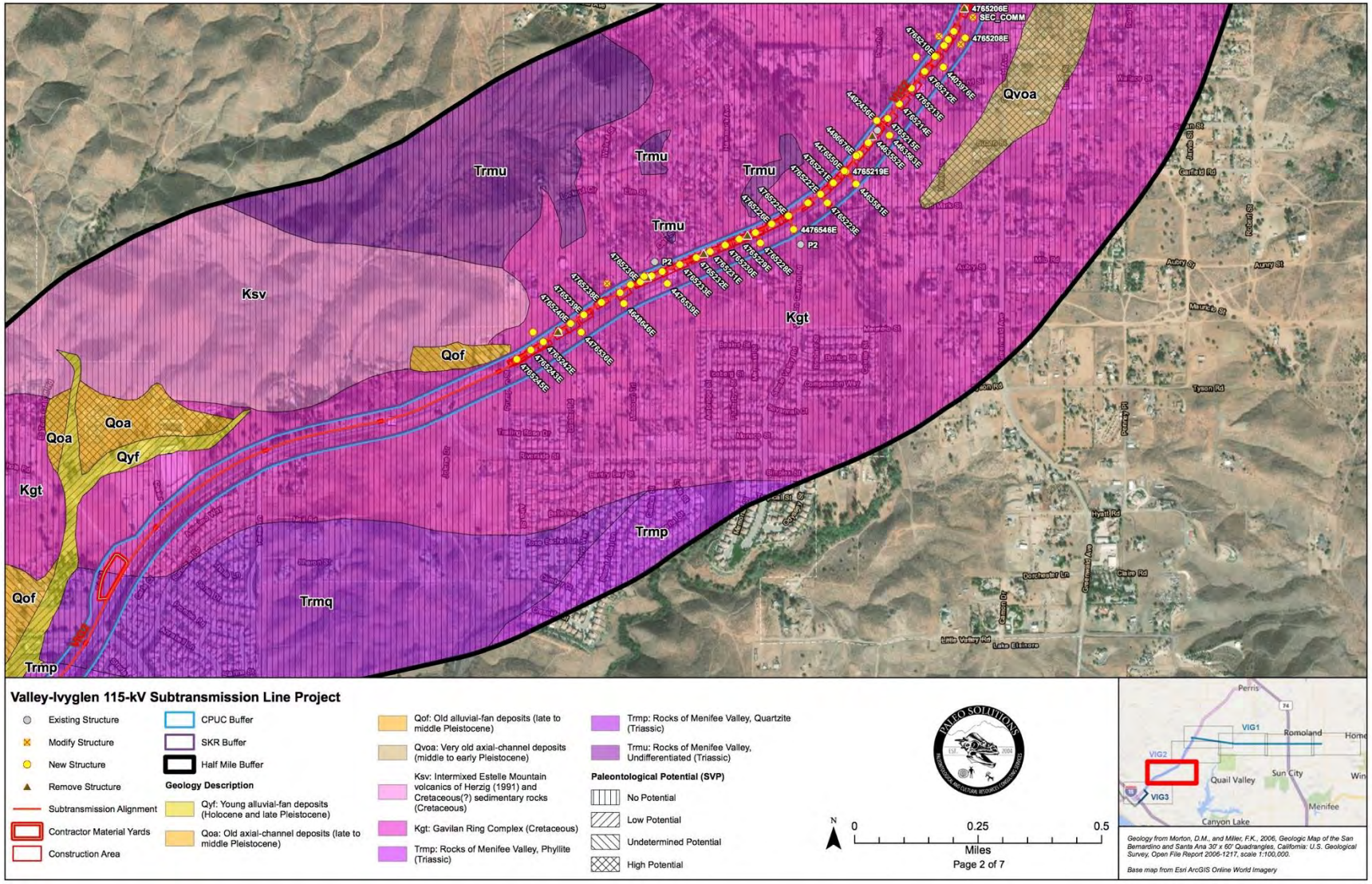

Figure 3b. Valley Yard and New Workstations Geology and Paleontological Sensitivity.

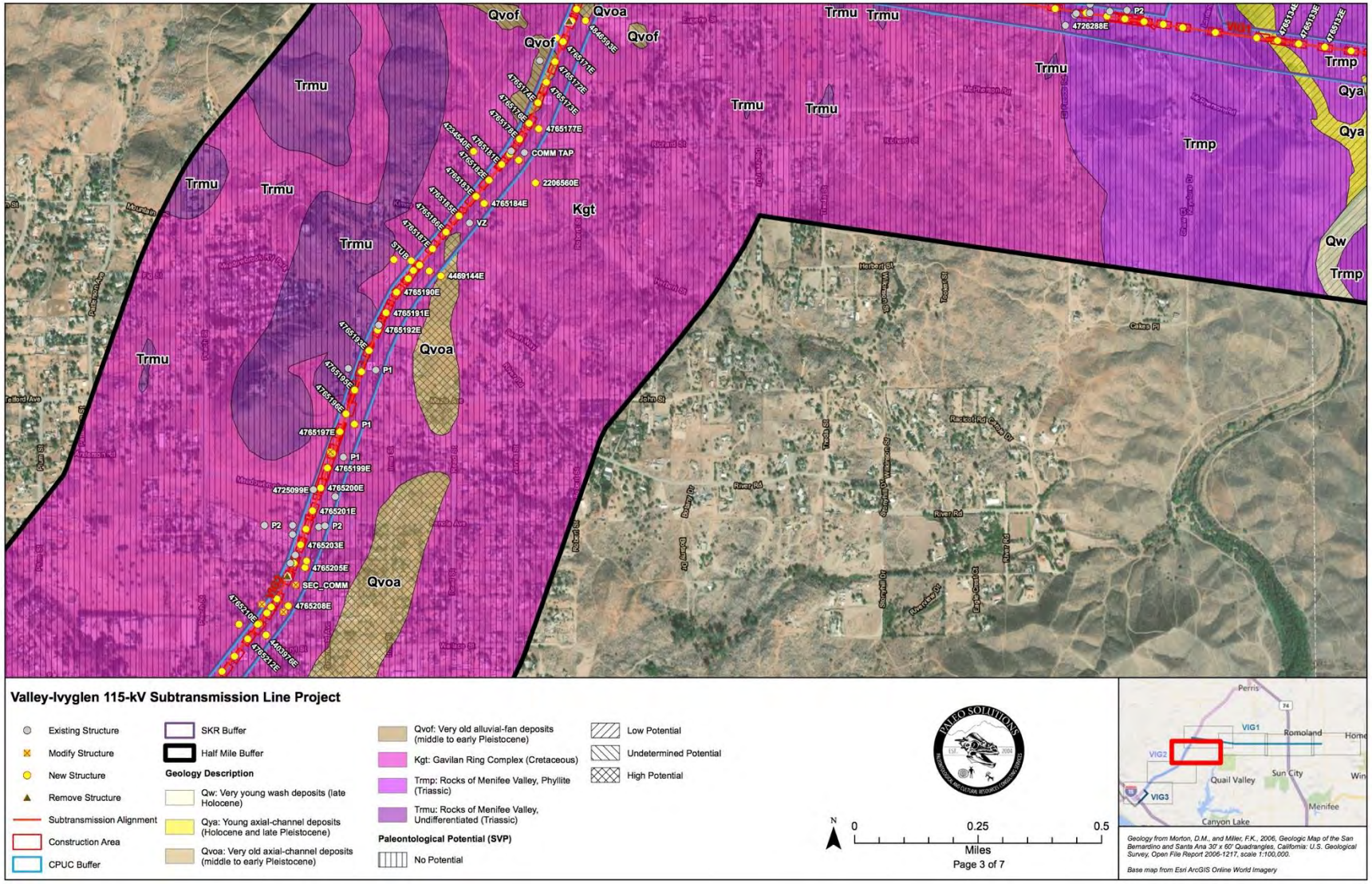

Figure 3c. Valley Yard and New Workstations Geology and Paleontological Sensitivity.

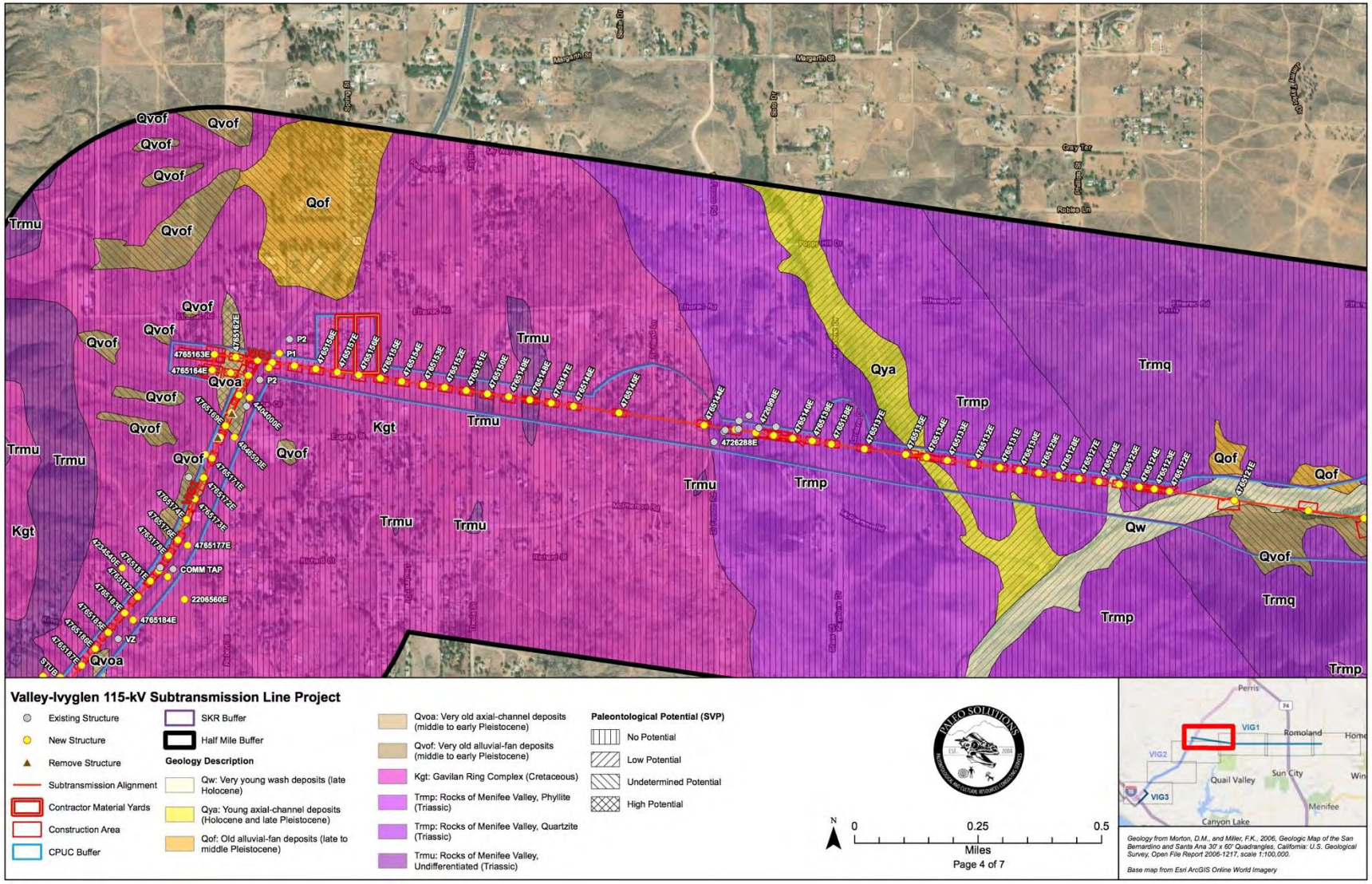

Figure 3d. Valley Yard and New Workstations Geology and Paleontological Sensitivity.

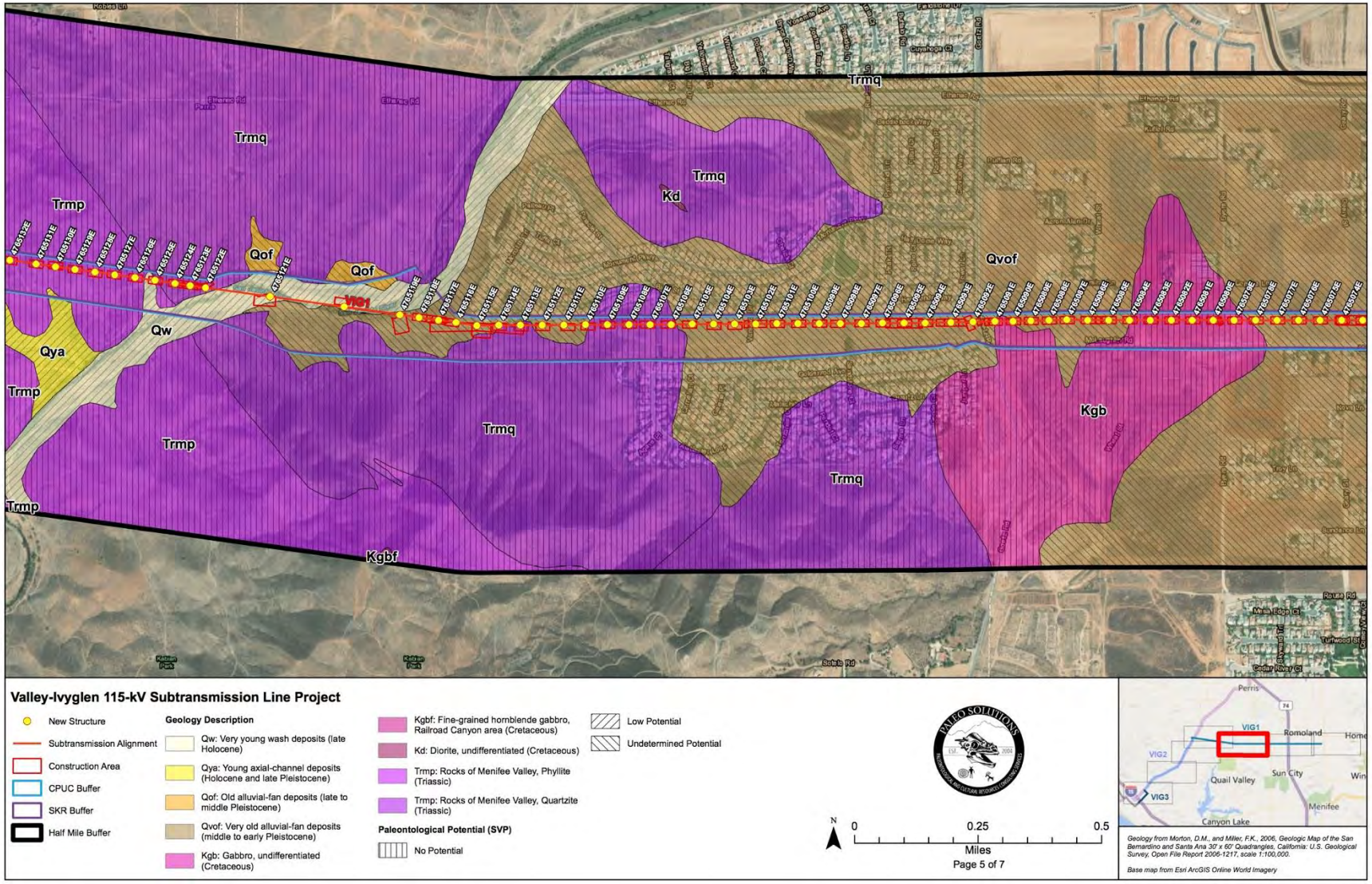

Figure 3e. Valley Yard and New Workstations Geology and Paleontological Sensitivity.

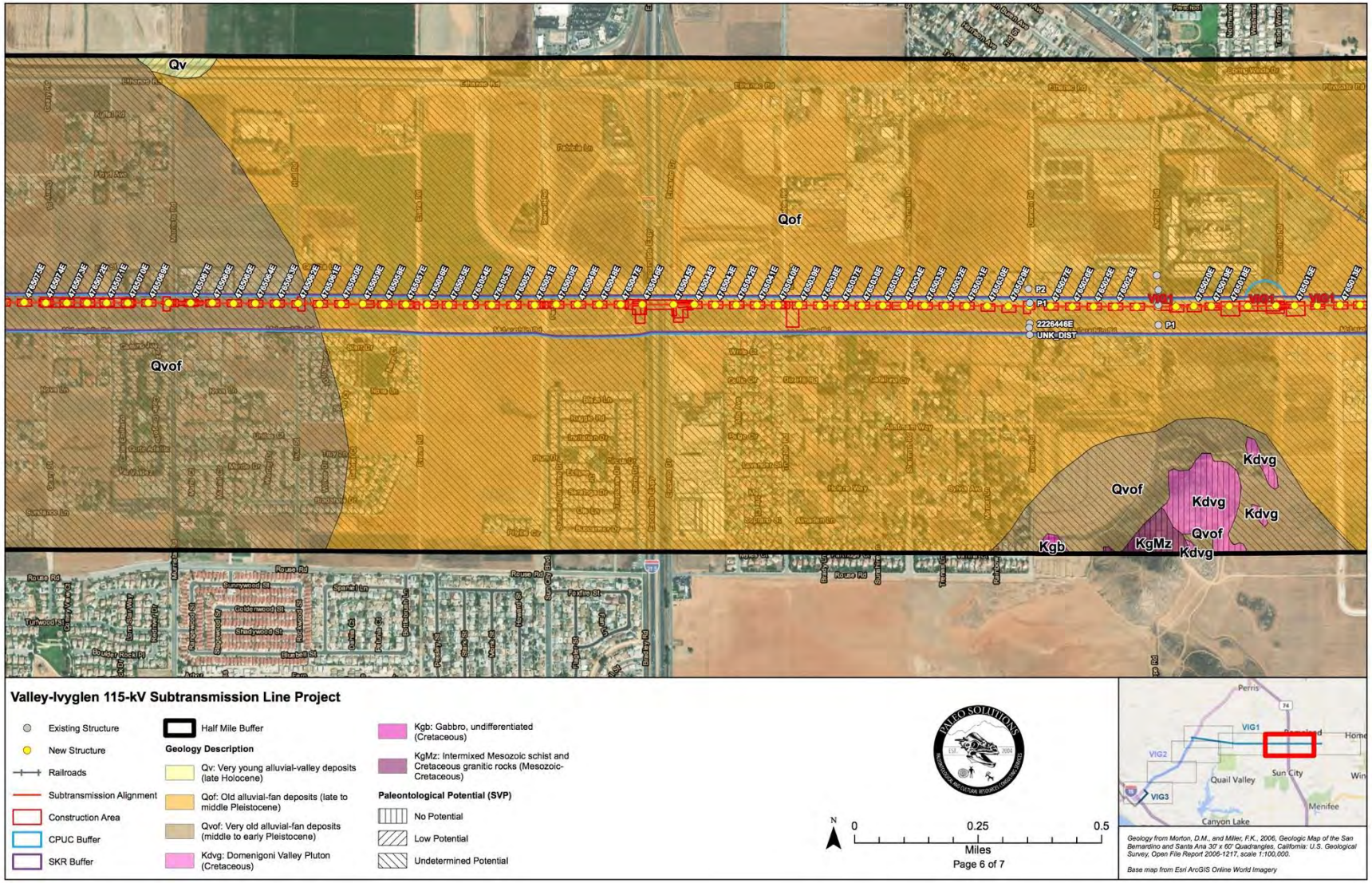

Figure 3f. Valley Yard and New Workstations Geology and Paleontological Sensitivity.

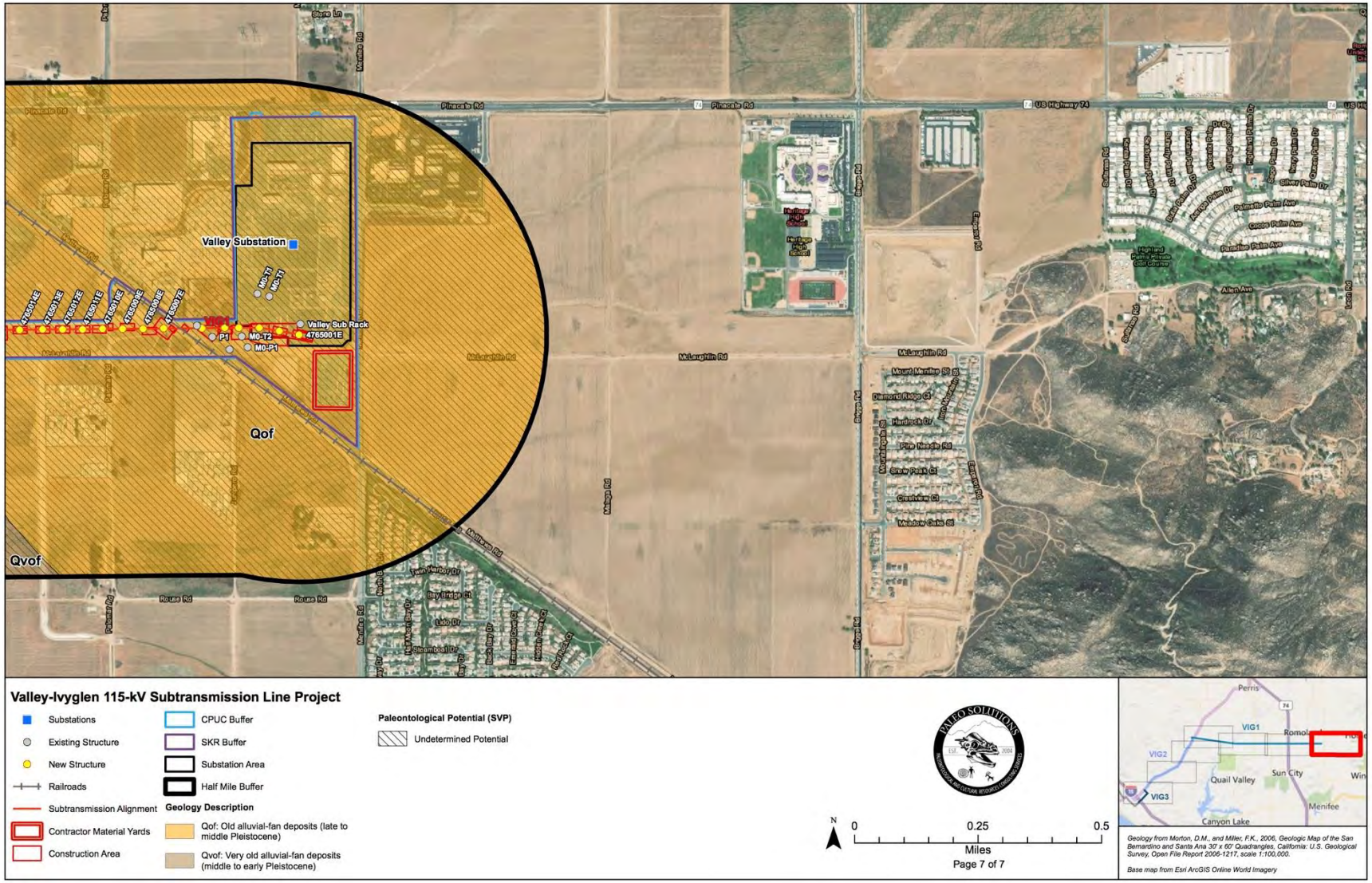

Figure 3g. Valley Yard and New Workstations Geology and Paleontological Sensitivity.

ATTACHMENT B: Monitoring Locations

Name	Segment	Structure	Geology (Morton and Miller, 2006)	Paleontological Potential (SVP, 2010)	Appendix C Map Page No.	Mitigation Requirements
2150232E	VIG1	TBD	Trmp	No Potential	4	No Monitoring
2150281E	VIG1	TBD	Trmp	No Potential	4	No Monitoring
2226446E	VIG1	TBD	Qof	Undetermined Potential	6	Spot-checking
4534220E	VIG1	TBD	Qof	Undetermined Potential	6	Spot-checking
4726288E	VIG1	TBD	Trmp	No Potential	4	No Monitoring
4726998E	VIG1	TBD	Trmp	No Potential	4	No Monitoring
COMM P1	VIG1	TBD	Trmp	No Potential	4	No Monitoring
COMM P2	VIG1	TBD	Trmp	No Potential	4	No Monitoring
M0-P1	VIG1	TBD	Qof	Undetermined Potential	7	Spot-checking
M0-T1	VIG1	TBD	Qof	Undetermined Potential	7	Spot-checking
M0-T2	VIG1	TBD	Qof	Undetermined Potential	7	Spot-checking
P1	VIG1	TBD	Qof	Undetermined Potential	6	Spot-checking
P1	VIG1	TBD	Qof	Undetermined Potential	7	Spot-checking
P2	VIG1	TBD	Qof	Undetermined Potential	6	Spot-checking
P2	VIG1	TBD	Qof	Undetermined Potential	7	Spot-checking
P2	VIG1	TBD	Kgt	No Potential	4	No Monitoring
P2	VIG1	TBD	Trmp	No Potential	4	No Monitoring
UNK_DIST	VIG1	TBD	Qof	Undetermined Potential	6	Spot-checking
Valley Sub Rack	VIG1	TBD	Qof	Undetermined Potential	7	Spot-checking
VZ	VIG1	TBD	Trmp	No Potential	4	No Monitoring
4765001E	VIG1	Monopole	Qof	Undetermined Potential	7	Spot-checking
4765002E	VIG1	Monopole	Qof	Undetermined Potential	7	Spot-checking
4765003E	VIG1	Monopole	Qof	Undetermined Potential	7	Spot-checking
4765004E	VIG1	Monopole	Qof	Undetermined Potential	7	Spot-checking
4765005E	VIG1	Monopole	Qof	Undetermined Potential	7	Spot-checking
4765006E	VIG1	Monopole	Qof	Undetermined Potential	7	Spot-checking
4765007E	VIG1	Monopole	Qof	Undetermined Potential	7	Spot-checking
4765008E	VIG1	Monopole	Qof	Undetermined Potential	7	Spot-checking

Name	Segment	Structure	Geology (Morton and Miller, 2006)	Paleontological Potential (SVP, 2010)	Appendix C Map Page No.	Mitigation Requirements
4765009E	VIG1	Monopole	Qof	Undetermined Potential	7	Spot-checking
4765010E	VIG1	Monopole	Qof	Undetermined Potential	7	Spot-checking
4765011E	VIG1	Monopole	Qof	Undetermined Potential	7	Spot-checking
4765015E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765016E	VIG1	Riser	Qof	Undetermined Potential	6	Spot-checking
4765017E	VIG1	Riser	Qof	Undetermined Potential	6	Spot-checking
4765018E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765019E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765020E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765021E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765022E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765023E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765024E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765025E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765026E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765027E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765028E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765029E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765030E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765031E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765032E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765033E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765034E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765035E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765036E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765037E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765038E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765039E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking

Name	Segment	Structure	Geology (Morton and Miller, 2006)	Paleontological Potential (SVP, 2010)	Appendix C Map Page No.	Mitigation Requirements
4765040E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765041E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765042E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765043E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765044E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765045E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765046E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765047E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765048E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765049E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765050E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765051E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765052E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765053E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765054E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765055E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765056E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765057E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765058E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765059E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765060E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765061E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765062E	VIG1	Monopole	Qvof	Undetermined Potential	6	Spot-checking
4765063E	VIG1	Monopole	Qvof	Undetermined Potential	6	Spot-checking
4765064E	VIG1	Monopole	Qvof	Undetermined Potential	6	Spot-checking
4765065E	VIG1	Monopole	Qvof	Undetermined Potential	6	Spot-checking
4765066E	VIG1	Monopole	Qvof	Undetermined Potential	6	Spot-checking
4765067E	VIG1	Monopole	Qvof	Undetermined Potential	6	Spot-checking

Name	Segment	Structure	Geology (Morton and Miller, 2006)	Paleontological Potential (SVP, 2010)	Appendix C Map Page No.	Mitigation Requirements
4765068E	VIG1	Monopole	Qvof	Undetermined Potential	6	Spot-checking
4765069E	VIG1	Monopole	Qvof	Undetermined Potential	6	Spot-checking
4765070E	VIG1	Monopole	Qvof	Undetermined Potential	6	Spot-checking
4765071E	VIG1	Monopole	Qvof	Undetermined Potential	6	Spot-checking
4765072E	VIG1	Monopole	Qvof	Undetermined Potential	6	Spot-checking
4765076E	VIG1	Monopole	Qvof	Undetermined Potential	5	Spot-checking
4765077E	VIG1	Monopole	Qvof	Undetermined Potential	5	Spot-checking
4765078E	VIG1	Monopole	Qvof	Undetermined Potential	5	Spot-checking
4765079E	VIG1	Monopole	Kgb	No Potential	5	No Monitoring
4765080E	VIG1	Monopole	Kgb	No Potential	5	No Monitoring
4765081E	VIG1	Monopole	Kgb	No Potential	5	No Monitoring
4765082E	VIG1	Monopole	Kgb	No Potential	5	No Monitoring
4765083E	VIG1	Monopole	Kgb	No Potential	5	No Monitoring
4765084E	VIG1	Monopole	Qvof	Undetermined Potential	5	Spot-checking
4765085E	VIG1	Monopole	Qvof	Undetermined Potential	5	Spot-checking
4765086E	VIG1	Monopole	Qvof	Undetermined Potential	5	Spot-checking
4765087E	VIG1	Monopole	Qvof	Undetermined Potential	5	Spot-checking
4765088E	VIG1	Monopole	Qvof	Undetermined Potential	5	Spot-checking
4765089E	VIG1	Monopole	Qvof	Undetermined Potential	5	Spot-checking
4765090E	VIG1	Monopole	Qvof	Undetermined Potential	5	Spot-checking
4765091E	VIG1	Monopole	Qvof	Undetermined Potential	5	Spot-checking
4765092E	VIG1	Monopole	Qvof	Undetermined Potential	5	Spot-checking
4765093E	VIG1	Monopole	Qvof	Undetermined Potential	5	Spot-checking
4765094E	VIG1	Monopole	Qvof	Undetermined Potential	5	Spot-checking
4765095E	VIG1	Monopole	Qvof	Undetermined Potential	5	Spot-checking
4765096E	VIG1	Monopole	Qvof	Undetermined Potential	5	Spot-checking
4765097E	VIG1	Monopole	Qvof	Undetermined Potential	5	Spot-checking
4765098E	VIG1	Monopole	Qvof	Undetermined Potential	5	Spot-checking

Name	Segment	Structure	Geology (Morton and Miller, 2006)	Paleontological Potential (SVP, 2010)	Appendix C Map Page No.	Mitigation Requirements
4765099E	VIG1	Monopole	Qvof	Undetermined Potential	5	Spot-checking
4765100E	VIG1	Monopole	Qvof	Undetermined Potential	5	Spot-checking
4765101E	VIG1	Monopole	Qvof	Undetermined Potential	5	Spot-checking
4765102E	VIG1	Monopole	Qvof	Undetermined Potential	5	Spot-checking
4765103E	VIG1	Monopole	Qvof	Undetermined Potential	5	Spot-checking
4765104E	VIG1	Monopole	Qvof	Undetermined Potential	5	Spot-checking
4765105E	VIG1	Monopole	Qvof	Undetermined Potential	5	Spot-checking
4765106E	VIG1	Monopole	Trmq	No Potential	5	No Monitoring
4765107E	VIG1	Monopole	Trmq	No Potential	5	No Monitoring
4765108E	VIG1	Monopole	Trmq	No Potential	5	No Monitoring
4765109E	VIG1	Monopole	Trmq	No Potential	5	No Monitoring
4765110E	VIG1	Monopole	Qvof	Undetermined Potential	5	Spot-checking
4765111E	VIG1	Monopole	Qvof	Undetermined Potential	5	Spot-checking
4765112E	VIG1	Monopole	Qvof	Undetermined Potential	5	Spot-checking
4765113E	VIG1	Monopole	Trmq	No Potential	5	No Monitoring
4765114E	VIG1	Monopole	Qvof	Undetermined Potential	5	Spot-checking
4765115E	VIG1	Monopole	Qvof	Undetermined Potential	5	Spot-checking
4765116E	VIG1	Monopole	Qvof	Undetermined Potential	5	Spot-checking
4765117E	VIG1	Monopole	Qvof	Undetermined Potential	5	Spot-checking
4765118E	VIG1	Monopole	Qvof	Undetermined Potential	5	Spot-checking
4765135E	VIG1	Monopole	Trmp	No Potential	4	No Monitoring
4765137E	VIG1	Monopole	Trmp	No Potential	4	No Monitoring
4765138E	VIG1	Monopole	Trmp	No Potential	4	No Monitoring
4765139E	VIG1	Monopole	Trmp	No Potential	4	No Monitoring
4765140E	VIG1	Monopole	Trmp	No Potential	4	No Monitoring
4765141E	VIG1	Monopole	Trmp	No Potential	4	No Monitoring
4765142E	VIG1	Monopole	Trmp	No Potential	4	No Monitoring
4765143E	VIG1	Monopole	Trmp	No Potential	4	No Monitoring

Name	Segment	Structure	Geology (Morton and Miller, 2006)	Paleontological Potential (SVP, 2010)	Appendix C Map Page No.	Mitigation Requirements
4765144E	VIG1	Monopole	Kgt	No Potential	4	No Monitoring
4765145E	VIG1	Monopole	Kgt	No Potential	4	No Monitoring
4765146E	VIG1	Monopole	Kgt	No Potential	4	No Monitoring
4765147E	VIG1	Monopole	Kgt	No Potential	4	No Monitoring
4765148E	VIG1	Monopole	Trmu	No Potential	4	No Monitoring
4765149E	VIG1	Monopole	Kgt	No Potential	4	No Monitoring
4765150E	VIG1	Monopole	Trmu	No Potential	4	No Monitoring
4765151E	VIG1	Monopole	Kgt	No Potential	4	No Monitoring
4765152E	VIG1	Monopole	Kgt	No Potential	4	No Monitoring
4765153E	VIG1	Monopole	Kgt	No Potential	4	No Monitoring
4765154E	VIG1	Monopole	Kgt	No Potential	4	No Monitoring
4765155E	VIG1	Monopole	Kgt	No Potential	4	No Monitoring
4765156E	VIG1	Monopole	Kgt	No Potential	4	No Monitoring
4765157E	VIG1	Monopole	Kgt	No Potential	4	No Monitoring
4765158E	VIG1	Monopole	Kgt	No Potential	4	No Monitoring
4765159E	VIG1	Monopole	Kgt	No Potential	4	No Monitoring
4765160E	VIG1	Monopole	Kgt	No Potential	4	No Monitoring
4765161E	VIG1	Monopole	Kgt	No Potential	4	No Monitoring
4765162E	VIG1	Monopole	Qvoa	High Potential	4	Full-time Monitoring
4765163E	VIG1	Monopole	Kgt	No Potential	4	No Monitoring
4765164E	VIG1	Monopole	Kgt	No Potential	4	No Monitoring
4765165E	VIG1	Monopole	Qvoa	High Potential	4	Full-time Monitoring
P1	VIG1	TBD	Kgt	No Potential	4	No Monitoring
44039805	VIG2	TBD	Kgt	No Potential	3	No Monitoring
4486678E	VIG2	TBD	Kgt	No Potential	2	No Monitoring
4725099E	VIG2	TBD	Kgt	No Potential	3	No Monitoring
P1	VIG2	Monopole	Kgt	No Potential	3	No Monitoring

Name	Segment	Structure	Geology (Morton and Miller, 2006)	Paleontological Potential (SVP, 2010)	Appendix C Map Page No.	Mitigation Requirements
P1	VIG2	Monopole	Trmu	No Potential	3	No Monitoring
P1	VIG2	TBD	Kgt	No Potential	3	No Monitoring
P2	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
P2	VIG2	TBD	Kgt	No Potential	2	No Monitoring
P2	VIG2	TBD	Kgt	No Potential	3	No Monitoring
P2	VIG2	TBD	Kgt	No Potential	4	No Monitoring
VZ	VIG2	TBD	Kgt	No Potential	3	No Monitoring
VZ90055	VIG2	TBD	Kgt	No Potential	3	No Monitoring
213790S	VIG2	TBD	Kgt	No Potential	2	No Monitoring
COMM TAP	VIG2	TBD	Kgt	No Potential	3	No Monitoring
SEC_COMM	VIG2	TBD	Kgt	No Potential	3	No Monitoring
2014507E	VIG2	TBD	Kgt	No Potential	4	No Monitoring
4403995E	VIG2	TBD	Kgt	No Potential	3	No Monitoring
4404000E	VIG2	TBD	Kgt	No Potential	4	No Monitoring
4463563E	VIG2	TBD	Kgt	No Potential	2	No Monitoring
4463581E	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
4469144E	VIG2	TBD	Qvoa	High Potential	3	Full-time Monitoring
4476536E	VIG2	TBD	Kgt	No Potential	2	No Monitoring
4476539E	VIG2	TBD	Kgt	No Potential	2	No Monitoring
4476546E	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
4476550E	VIG2	TBD	Kgt	No Potential	2	No Monitoring
4486676E	VIG2	TBD	Kgt	No Potential	2	No Monitoring
4492456E	VIG2	TBD	Kgt	No Potential	2	No Monitoring
4648631E	VIG2	TBD	Kgt	No Potential	2	No Monitoring
4648646E	VIG2	TBD	Kgt	No Potential	2	No Monitoring
4765166E	VIG2	Monopole	Kgt	No Potential	4	No Monitoring
4765167E	VIG2	Monopole	Qvoa	High Potential	4	Full-time Monitoring

Name	Segment	Structure	Geology (Morton and Miller, 2006)	Paleontological Potential (SVP, 2010)	Appendix C Map Page No.	Mitigation Requirements
4765168E	VIG2	Monopole	Qvoa	High Potential	4	Full-time Monitoring
4765169E	VIG2	Monopole	Qvoa	High Potential	4	Full-time Monitoring
4765170E	VIG2	Monopole	Kgt	No Potential	4	No Monitoring
4765186E	VIG2	Monopole	Kgt	No Potential	3	No Monitoring
4765187E	VIG2	Monopole	Kgt	No Potential	3	No Monitoring
4765188E	VIG2	Monopole	Kgt	No Potential	3	No Monitoring
4765189E	VIG2	Monopole	Kgt	No Potential	3	No Monitoring
4765190E	VIG2	Monopole	Kgt	No Potential	3	No Monitoring
4765191E	VIG2	Monopole	Kgt	No Potential	3	No Monitoring
4765192E	VIG2	Monopole	Kgt	No Potential	3	No Monitoring
4765193E	VIG2	Monopole	Trmu	No Potential	3	No Monitoring
4765194E	VIG2	Monopole	Trmu	No Potential	3	No Monitoring
4765195E	VIG2	Monopole	Kgt	No Potential	3	No Monitoring
4765196E	VIG2	Monopole	Kgt	No Potential	3	No Monitoring
4765197E	VIG2	Monopole	Kgt	No Potential	3	No Monitoring
4765198E	VIG2	Monopole	Kgt	No Potential	3	No Monitoring
4765199E	VIG2	Monopole	Kgt	No Potential	3	No Monitoring
4765200E	VIG2	Monopole	Kgt	No Potential	3	No Monitoring
4765201E	VIG2	Monopole	Kgt	No Potential	3	No Monitoring
4765202E	VIG2	Monopole	Kgt	No Potential	3	No Monitoring
4765203E	VIG2	Monopole	Kgt	No Potential	3	No Monitoring
4765204E	VIG2	Monopole	Kgt	No Potential	3	No Monitoring
4765205E	VIG2	Monopole	Kgt	No Potential	3	No Monitoring
4765206E	VIG2	Monopole	Kgt	No Potential	3	No Monitoring
4765207E	VIG2	Monopole	Kgt	No Potential	3	No Monitoring
4765208E	VIG2	Monopole	Kgt	No Potential	3	No Monitoring
4765213E	VIG2	Monopole	Kgt	No Potential	2	No Monitoring

Name	Segment	Structure	Geology (Morton and Miller, 2006)	Paleontological Potential (SVP, 2010)	Appendix C Map Page No.	Mitigation Requirements
4765214E	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
4765215E	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
4765216E	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
4765217E	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
4765218E	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
4765219E	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
4765221E	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
4765222E	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
4765223E	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
4765224E	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
4765225E	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
4765226E	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
4765227E	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
4765228E	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
4765229E	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
4765230E	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
4765231E	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
4765232E	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
4765233E	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
4765234E	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
4765235E	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
4765236E	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
4765237E	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
4765238E	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
4765239E	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
4765240E	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
4765241E	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
4765242E	VIG2	Monopole	Kgt	No Potential	2	No Monitoring

Name	Segment	Structure	Geology (Morton and Miller, 2006)	Paleontological Potential (SVP, 2010)	Appendix C Map Page No.	Mitigation Requirements
4765243E	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
4765245E	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
4846593E	VIG2	TBD	Kgt	No Potential	4	No Monitoring
COMM P1	VIG2	TBD	Kgt	No Potential	3	No Monitoring
P1	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
P1	VIG2	TBD	Kgt	No Potential	2	No Monitoring
P1	VIG2	TBD	Kgt	No Potential	3	No Monitoring
STUB	VIG2	Monopole	Kgt	No Potential	3	No Monitoring
4234529E	VIG2	TBD	Kgt	No Potential	4	No Monitoring
4463552E	VIG2	TBD	Kgt	No Potential	2	No Monitoring
4476535E	VIG2	TBD	Kgt	No Potential	2	No Monitoring
4476542E	VIG2	TBD	Kgt	No Potential	2	No Monitoring
4476544E	VIG2	TBD	Kgt	No Potential	2	No Monitoring
4532180E	VIG2	TBD	Kgt	No Potential	3	No Monitoring
4848646E	VIG2	TBD	Kgt	No Potential	2	No Monitoring
P1	VIG2	TBD	Qvoa	High Potential	4	Full-time Monitoring
P1	VIG3	TBD	Qyf	Low Potential	1	No Monitoring
P2	VIG3	TBD	Qyf	Low Potential	1	No Monitoring
UNK_DIST	VIG3	TBD	Qyf	Low Potential	1	No Monitoring
4463565E	VIG3	Monopole	Qyf	Low Potential	1	No Monitoring
SERV	VIG3	TBD	Qyf	Low Potential	1	No Monitoring
211826S	VIG3	TBD	Qyf	Low Potential	1	No Monitoring
4114484E	VIG3	TBD	Qyf	Low Potential	1	No Monitoring
4765302E	VIG3	Monopole	Qyf	Low Potential	1	No Monitoring
4765303E	VIG3	Monopole	Qyf	Low Potential	1	No Monitoring
4765305E	VIG3	Monopole	Qyf	Low Potential	1	No Monitoring
4765306E	VIG3	Monopole	Qyf	Low Potential	1	No Monitoring

Name	Segment	Structure	Geology (Morton and Miller, 2006)	Paleontological Potential (SVP, 2010)	Appendix C Map Page No.	Mitigation Requirements
4765307E	VIG3	Monopole	Qyf	Low Potential	1	No Monitoring
4765308E	VIG3	Monopole	Qyf	Low Potential	1	No Monitoring
4765309E	VIG3	Monopole	Qyf	Low Potential	1	No Monitoring
4765310E	VIG3	Monopole	Qyf	Low Potential	1	No Monitoring
4765311E	VIG3	Monopole	Qyf	Low Potential	1	No Monitoring
4765312E	VIG3	Monopole	Qyf	Low Potential	1	No Monitoring
4765313E	VIG3	Monopole	Qyf	Low Potential	1	No Monitoring
4765314E	VIG3	Monopole	Qyf	Low Potential	1	No Monitoring
4765315E	VIG3	Monopole	Qyf	Low Potential	1	No Monitoring
4765316E	VIG3	Monopole	Qyf	Low Potential	1	No Monitoring
4765317E	VIG3	Monopole	Qyf	Low Potential	1	No Monitoring
4765318E	VIG3	Monopole	Qyf	Low Potential	1	No Monitoring
4765319E	VIG3	Monopole	Qyf	Low Potential	1	No Monitoring
4765320E	VIG3	Monopole	Qyf	Low Potential	1	No Monitoring
4765321E	VIG3	Monopole	Qyf	Low Potential	1	No Monitoring
4765322E	VIG3	Monopole	Qyf	Low Potential	1	No Monitoring
4765323E	VIG3	Monopole	Qyf	Low Potential	1	No Monitoring
4765324E	VIG3	Monopole	Qyf	Low Potential	1	No Monitoring
4765325E	VIG3	Monopole	Qyf	Low Potential	1	No Monitoring
4765326E	VIG3	Monopole	Qyf	Low Potential	1	No Monitoring
4765327E	VIG3	Monopole	Qyf	Low Potential	1	No Monitoring
4765328E	VIG3	Monopole	Qyf	Low Potential	1	No Monitoring
4765330E	VIG3	Monopole	Qyf	Low Potential	1	No Monitoring
4765331E	VIG3	Monopole	Qyf	Low Potential	1	No Monitoring
4765332E	VIG3	Monopole	Qyf	Low Potential	1	No Monitoring
4765333E	VIG3	Monopole	Qyf	Low Potential	1	No Monitoring
4765334E	VIG3	Monopole	Qya	Low Potential	1	No Monitoring
4765335E	VIG3	Monopole	Qya	Low Potential	1	No Monitoring

Name	Segment	Structure	Geology (Morton and Miller, 2006)	Paleontological Potential (SVP, 2010)	Appendix C Map Page No.	Mitigation Requirements
4765336E	VIG3	Monopole	Qya	Low Potential	1	No Monitoring
P1	VIG3	TBD	Qyf	Low Potential	1	No Monitoring
2227708E	VIG3	TBD	Qyf	Low Potential	1	No Monitoring
33833CWT	VIG3	TBD	Qyf	Low Potential	1	No Monitoring
GT 100805	VIG3	TBD	Qyf	Low Potential	1	No Monitoring
TBD	VIG3	Monopole	Qyf	Low Potential	1	No Monitoring
Guy Anchor	VIG1	Guy Anchor	Qof	Undetermined Potential	6	Spot-checking
Guy Anchor	VIG1	Guy Anchor	Kgt	No Potential	4	No Monitoring
Guy Anchor	VIG1	Guy Anchor	Trmp	No Potential	4	No Monitoring
Guy Anchor	VIG1	Guy Anchor	Qvof	Undetermined Potential	5	Spot-checking
Segment 1 GS#1	VIG1	Guard Pole	Qof	Undetermined Potential	7	Spot-checking
Segment 1 GS#10	VIG1	Guard Pole	Qof	Undetermined Potential	6	Spot-checking
Segment 1 GS#11	VIG1	Guard Pole	Qof	Undetermined Potential	6	Spot-checking
Segment 1 GS#12	VIG1	Guard Pole	Qof	Undetermined Potential	6	Spot-checking
Segment 1 GS#13	VIG1	Guard Pole	Qvof	Undetermined Potential	6	Spot-checking
Segment 1 GS#14	VIG1	Guard Pole	Qvof	Undetermined Potential	6	Spot-checking
Segment 1 GS#17	VIG1	Guard Pole	Kgb	No Potential	5	No Monitoring
Segment 1 GS#18	VIG1	Guard Pole	Qvof	Undetermined Potential	5	Spot-checking
Segment 1 GS#19	VIG1	Guard Pole	Qvof	Undetermined Potential	5	Spot-checking
Segment 1 GS#2	VIG1	Guard Pole	Qof	Undetermined Potential	7	Spot-checking
Segment 1 GS#20	VIG1	Guard Pole	Qvof	Undetermined Potential	5	Spot-checking
Segment 1 GS#21	VIG1	Guard Pole	Qvof	Undetermined Potential	5	Spot-checking
Segment 1 GS#22	VIG1	Guard Pole	Trmp	No Potential	4	No Monitoring
Segment 1 GS#23	VIG1	Guard Pole	Kgt	No Potential	4	No Monitoring
Segment 1 GS#24	VIG1	Guard Pole	Kgt	No Potential	4	No Monitoring
Segment 1 GS#25	VIG1	Guard Pole	Trmp	No Potential	4	No Monitoring
Segment 1 GS#3	VIG1	Guard Pole	Qof	Undetermined Potential	7	Spot-checking
Segment 1 GS#4	VIG1	Guard Pole	Qof	Undetermined Potential	6	Spot-checking

Name	Segment	Structure	Geology (Morton and Miller, 2006)	Paleontological Potential (SVP, 2010)	Appendix C Map Page No.	Mitigation Requirements
Segment 1 GS#5	VIG1	Guard Pole	Qof	Undetermined Potential	6	Spot-checking
Segment 1 GS#6	VIG1	Guard Pole	Qof	Undetermined Potential	6	Spot-checking
Segment 1 GS#7	VIG1	Guard Pole	Qof	Undetermined Potential	6	Spot-checking
Segment 1 GS#8	VIG1	Guard Pole	Qof	Undetermined Potential	6	Spot-checking
Segment 1 GS#9	VIG1	Guard Pole	Qof	Undetermined Potential	6	Spot-checking
Segment 1 GS#9A	VIG1	Guard Pole	Qof	Undetermined Potential	6	Spot-checking
Segment 1 GS#9B	VIG1	Guard Pole	Qof	Undetermined Potential	6	Spot-checking
Segment 1 GS#9C	VIG1	Guard Pole	Qof	Undetermined Potential	6	Spot-checking
12kv	VIG2	Guard Pole	Kgt	No Potential	2	No Monitoring
Guard Pole	VIG2	Guard Pole	Qyf	Low Potential	1	No Monitoring
Guard Pole	VIG2	Guard Pole	Qya	Low Potential	1	No Monitoring
Guy Anchor	VIG2	Guy Anchor	Kgt	No Potential	2	No Monitoring
Guy Anchor	VIG2	Guy Anchor	Kgt	No Potential	3	No Monitoring
Guy Anchor	VIG2	Guy Anchor	Kgt	No Potential	4	No Monitoring
Guy Anchor	VIG2	Guy Anchor	Trmu	No Potential	3	No Monitoring
Guy Anchor	VIG2	Guy Anchor	Qvoa	High Potential	4	Full-time Monitoring
Line Measure	VIG2	Guard Pole	Kgt	No Potential	2	No Monitoring
Line Measure	VIG2	Guard Pole	Kgt	No Potential	3	No Monitoring
Line Measure	VIG2	Guard Pole	Kgt	No Potential	4	No Monitoring
Line Measure	VIG2	Guard Pole	Trmu	No Potential	3	No Monitoring
Line Measure	VIG2	Guard Pole	Qvoa	High Potential	4	Full-time Monitoring
Phone and ssce	VIG2	Guard Pole	Kgt	No Potential	3	No Monitoring
sce	VIG2	Guard Pole	Kgt	No Potential	3	No Monitoring
GS 2	VIG3	Guard Pole	Qyf	Low Potential	1	No Monitoring
GS1	VIG3	Guard Pole	Qyf	Low Potential	1	No Monitoring
GS3	VIG3	Guard Pole	Qyf	Low Potential	1	No Monitoring
GS4	VIG3	Guard Pole	Qyf	Low Potential	1	No Monitoring

Name	Segment	Structure	Geology (Morton and Miller, 2006)	Paleontological Potential (SVP, 2010)	Appendix C Map Page No.	Mitigation Requirements
Guy Anchor	VIG3	Guy Anchor	Qyf	Low Potential	1	No Monitoring
Line Measure	VIG3	Guard Pole	Qyf	Low Potential	1	No Monitoring
Seg4-GS1	VIG3	Guard Pole	Qya	Low Potential	1	No Monitoring
Seg4-GS2	VIG3	Guard Pole	Qya	Low Potential	1	No Monitoring
V1-01	VIG1	Vault	Qof	Undetermined Potential	6	Spot-checking
HH2-01	VIG2	Pullbox	Qyf	Low Potential	1	No Monitoring
HH2-02	VIG2	Pullbox	Trmp	No Potential	1	No Monitoring
HH2-03	VIG2	Pullbox	Trmq	No Potential	1	No Monitoring
HH2-04	VIG2	Pullbox	Kgt	No Potential	2	No Monitoring
HH2-05	VIG2	Pullbox	Kgt	No Potential	2	No Monitoring
HH2-06	VIG2	Pullbox	Kgt	No Potential	2	No Monitoring
HH2-07	VIG2	Pullbox	Kgt	No Potential	2	No Monitoring
V2-01	VIG2	Vault	Qyf	Low Potential	1	No Monitoring
V2-02	VIG2	Vault	Trmp	No Potential	1	No Monitoring
V2-03	VIG2	Vault	Trmq	No Potential	1	No Monitoring
V2-04	VIG2	Vault	Kgt	No Potential	2	No Monitoring
V2-05	VIG2	Vault	Kgt	No Potential	2	No Monitoring
V2-06	VIG2	Vault	Kgt	No Potential	2	No Monitoring
V2-07	VIG2	Vault	Kgt	No Potential	2	No Monitoring
4765012E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765012E	VIG1	Monopole	Qof	Undetermined Potential	7	Spot-checking
4765013E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765013E	VIG1	Monopole	Qof	Undetermined Potential	7	Spot-checking
4765014E	VIG1	Monopole	Qof	Undetermined Potential	6	Spot-checking
4765014E	VIG1	Monopole	Qof	Undetermined Potential	7	Spot-checking
4765073E	VIG1	Monopole	Qvof	Undetermined Potential	5	Spot-checking
4765073E	VIG1	Monopole	Qvof	Undetermined Potential	6	Spot-checking
4765074E	VIG1	Monopole	Qvof	Undetermined Potential	5	Spot-checking

Name	Segment	Structure	Geology (Morton and Miller, 2006)	Paleontological Potential (SVP, 2010)	Appendix C Map Page No.	Mitigation Requirements
4765074E	VIG1	Monopole	Qvof	Undetermined Potential	6	Spot-checking
4765075E	VIG1	Monopole	Qvof	Undetermined Potential	5	Spot-checking
4765075E	VIG1	Monopole	Qvof	Undetermined Potential	6	Spot-checking
4765119E	VIG1	Monopole	Qvof	Undetermined Potential	4	Spot-checking
4765119E	VIG1	Monopole	Qvof	Undetermined Potential	5	Spot-checking
4765120E	VIG1	Monopole	Qw	Low Potential	4	No Monitoring
4765120E	VIG1	Monopole	Qw	Low Potential	5	No Monitoring
4765121E	VIG1	Monopole	Qw	Low Potential	4	No Monitoring
4765121E	VIG1	Monopole	Qw	Low Potential	5	No Monitoring
4765122E	VIG1	Monopole	Trmq	No Potential	4	No Monitoring
4765122E	VIG1	Monopole	Trmq	No Potential	5	No Monitoring
4765123E	VIG1	Monopole	Trmq	No Potential	4	No Monitoring
4765123E	VIG1	Monopole	Trmq	No Potential	5	No Monitoring
4765124E	VIG1	Monopole	Trmq	No Potential	4	No Monitoring
4765124E	VIG1	Monopole	Trmq	No Potential	5	No Monitoring
4765125E	VIG1	Monopole	Trmp	No Potential	4	No Monitoring
4765125E	VIG1	Monopole	Trmp	No Potential	5	No Monitoring
4765126E	VIG1	Monopole	Trmp	No Potential	4	No Monitoring
4765126E	VIG1	Monopole	Trmp	No Potential	5	No Monitoring
4765127E	VIG1	Monopole	Trmp	No Potential	4	No Monitoring
4765127E	VIG1	Monopole	Trmp	No Potential	5	No Monitoring
4765128E	VIG1	Monopole	Trmp	No Potential	4	No Monitoring
4765128E	VIG1	Monopole	Trmp	No Potential	5	No Monitoring
4765129E	VIG1	Monopole	Trmp	No Potential	4	No Monitoring
4765129E	VIG1	Monopole	Trmp	No Potential	5	No Monitoring
4765130E	VIG1	Monopole	Trmp	No Potential	4	No Monitoring
4765130E	VIG1	Monopole	Trmp	No Potential	5	No Monitoring
4765133E	VIG1	Monopole	Trmp	No Potential	3	No Monitoring

Name	Segment	Structure	Geology (Morton and Miller, 2006)	Paleontological Potential (SVP, 2010)	Appendix C Map Page No.	Mitigation Requirements
4765133E	VIG1	Monopole	Trmp	No Potential	4	No Monitoring
4765134E	VIG1	Monopole	Qya	Low Potential	3	No Monitoring
4765134E	VIG1	Monopole	Qya	Low Potential	4	No Monitoring
COMM TAP	VIG2	TBD	Kgt	No Potential	3	No Monitoring
COMM TAP	VIG2	TBD	Kgt	No Potential	4	No Monitoring
P2	VIG2	TBD	Qvof	Undetermined Potential	3	Spot-checking
P2	VIG2	TBD	Qvof	Undetermined Potential	4	Spot-checking
VZ	VIG2	TBD	Kgt	No Potential	4	No Monitoring
SEC_COMM	VIG2	TBD	Kgt	No Potential	2	No Monitoring
2206560E	VIG2	TBD	Kgt	No Potential	3	No Monitoring
2206560E	VIG2	TBD	Kgt	No Potential	4	No Monitoring
4234540E	VIG2	TBD	Kgt	No Potential	3	No Monitoring
4234540E	VIG2	TBD	Kgt	No Potential	4	No Monitoring
4403976E	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
4403976E	VIG2	Monopole	Kgt	No Potential	3	No Monitoring
4403977E	VIG2	TBD	Kgt	No Potential	2	No Monitoring
4403977E	VIG2	TBD	Kgt	No Potential	3	No Monitoring
4765171E	VIG2	Monopole	Kgt	No Potential	3	No Monitoring
4765171E	VIG2	Monopole	Kgt	No Potential	4	No Monitoring
4765172E	VIG2	Monopole	Qvof	Undetermined Potential	3	Spot-checking
4765172E	VIG2	Monopole	Qvof	Undetermined Potential	4	Spot-checking
4765173E	VIG2	Monopole	Qvof	Undetermined Potential	3	Spot-checking
4765173E	VIG2	Monopole	Qvof	Undetermined Potential	4	Spot-checking
4765174E	VIG2	Monopole	Qvof	Undetermined Potential	3	Spot-checking
4765174E	VIG2	Monopole	Qvof	Undetermined Potential	4	Spot-checking
4765176E	VIG2	Monopole	Kgt	No Potential	3	No Monitoring
4765176E	VIG2	Monopole	Kgt	No Potential	4	No Monitoring
4765177E	VIG2	Monopole	Kgt	No Potential	3	No Monitoring

Name	Segment	Structure	Geology (Morton and Miller, 2006)	Paleontological Potential (SVP, 2010)	Appendix C Map Page No.	Mitigation Requirements
4765177E	VIG2	Monopole	Kgt	No Potential	4	No Monitoring
4765178E	VIG2	Monopole	Kgt	No Potential	3	No Monitoring
4765178E	VIG2	Monopole	Kgt	No Potential	4	No Monitoring
4765179E	VIG2	Monopole	Kgt	No Potential	3	No Monitoring
4765179E	VIG2	Monopole	Kgt	No Potential	4	No Monitoring
4765180E	VIG2	Monopole	Kgt	No Potential	3	No Monitoring
4765180E	VIG2	Monopole	Kgt	No Potential	4	No Monitoring
4765181E	VIG2	Monopole	Kgt	No Potential	3	No Monitoring
4765181E	VIG2	Monopole	Kgt	No Potential	4	No Monitoring
4765182E	VIG2	Monopole	Kgt	No Potential	3	No Monitoring
4765182E	VIG2	Monopole	Kgt	No Potential	4	No Monitoring
4765183E	VIG2	Monopole	Kgt	No Potential	3	No Monitoring
4765183E	VIG2	Monopole	Kgt	No Potential	4	No Monitoring
4765184E	VIG2	Monopole	Kgt	No Potential	3	No Monitoring
4765184E	VIG2	Monopole	Kgt	No Potential	4	No Monitoring
4765185E	VIG2	Monopole	Kgt	No Potential	3	No Monitoring
4765185E	VIG2	Monopole	Kgt	No Potential	4	No Monitoring
4765209E	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
4765209E	VIG2	Monopole	Kgt	No Potential	3	No Monitoring
4765210E	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
4765210E	VIG2	Monopole	Kgt	No Potential	3	No Monitoring
4765212E	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
4765212E	VIG2	Monopole	Kgt	No Potential	3	No Monitoring
COMM	VIG2	Monopole	Kgt	No Potential	2	No Monitoring
COMM	VIG2	Monopole	Kgt	No Potential	3	No Monitoring
Guy Anchor	VIG1	Guy Anchor	Qof	Undetermined Potential	7	Spot-checking
Segment 1 GS#16	VIG1	Guard Pole	Qvof	Undetermined Potential	5	Spot-checking
Segment 1 GS#16	VIG1	Guard Pole	Qvof	Undetermined Potential	6	Spot-checking

Name	Segment	Structure	Geology (Morton and Miller, 2006)	Paleontological Potential (SVP, 2010)	Appendix C Map Page No.	Mitigation Requirements
12kv	VIG2	Guard Pole	Kgt	No Potential	3	No Monitoring
4765131E	VIG1	Monopole	Trmp	No Potential	3	No Monitoring
4765131E	VIG1	Monopole	Trmp	No Potential	4	No Monitoring
4765131E	VIG1	Monopole	Trmp	No Potential	5	No Monitoring
4765132E	VIG1	Monopole	Trmp	No Potential	3	No Monitoring
4765132E	VIG1	Monopole	Trmp	No Potential	4	No Monitoring
4765132E	VIG1	Monopole	Trmp	No Potential	5	No Monitoring
Access Road	VIG1	Access Road	Qof	Undetermined Potential	6	Spot-checking
Access Road	VIG1	Access Road	Qof	Undetermined Potential	7	Spot-checking
Access Road	VIG1	Access Road	Kgt	No Potential	4	No Monitoring
Access Road	VIG1	Access Road	Trmp	No Potential	4	No Monitoring
Access Road	VIG1	Access Road	Qvof	Undetermined Potential	5	Spot-checking
Access Road	VIG1	Access Road	Qof	Undetermined Potential	7	Spot-checking
Access Road	VIG1	Access Road	Qvof	Undetermined Potential	5	Spot-checking
Access Road	VIG1	Access Road	Qof	Undetermined Potential	6	Spot-checking
Access Road	VIG1	Access Road	Qof	Undetermined Potential	7	Spot-checking
Access Road	VIG1	Access Road	Kgt	No Potential	4	No Monitoring
Access Road	VIG1	Access Road	Trmp	No Potential	4	No Monitoring
Access Road	VIG1	Access Road	Qvof	Undetermined Potential	5	Spot-checking
Access Road	VIG1	Access Road	Qvof	Undetermined Potential	6	Spot-checking
Access Road	VIG1	Access Road	Kgb	No Potential	5	No Monitoring
Access Road	VIG1	Access Road	Trmq	No Potential	5	No Monitoring
Access Road	VIG2	Access Road	Kgt	No Potential	2	No Monitoring
Access Road	VIG2	Access Road	Kgt	No Potential	2	No Monitoring
Access Road	VIG1	Access Road	Qw	Low Potential	4	No Monitoring
Access Road	VIG1	Access Road	Qw	Low Potential	5	No Monitoring
Access Road	VIG1	Access Road	Trmp	No Potential	5	No Monitoring
Access Road	VIG1	Access Road	Qvof	Undetermined Potential	4	Spot-checking

Name	Segment	Structure	Geology (Morton and Miller, 2006)	Paleontological Potential (SVP, 2010)	Appendix C Map Page No.	Mitigation Requirements
Access Road	VIG1	Access Road	Trmp	No Potential	4	No Monitoring
Access Road	VIG1	Access Road	Trmp	No Potential	5	No Monitoring
Access Road	VIG1	Access Road	Trmq	No Potential	4	No Monitoring
Access Road	VIG1	Access Road	Qw	Low Potential	4	No Monitoring
Access Road	VIG1	Access Road	Qw	Low Potential	5	No Monitoring
Access Road	VIG1	Access Road	Qya	Low Potential	3	No Monitoring
Access Road	VIG1	Access Road	Qya	Low Potential	4	No Monitoring
Access Road	VIG1	Access Road	Trmp	No Potential	3	No Monitoring
Access Road	VIG1	Access Road	Trmp	No Potential	5	No Monitoring
Access Road	VIG1	Access Road	Qvof	Undetermined Potential	4	Spot-checking
Access Road	VIG1	Access Road	Trmp	No Potential	3	No Monitoring
Access Road	VIG1	Access Road	Qya	Low Potential	5	No Monitoring
Guy Support Line	VIG1	OH	Kgt	No Potential	4	No Monitoring
Guy Support Line	VIG1	OH	Trmp	No Potential	4	No Monitoring
Guy Support Line	VIG1	OH	Qvof	Undetermined Potential	5	Spot-checking
Guy Support Line	VIG2	OH	Kgt	No Potential	2	No Monitoring
Guy Support Line	VIG2	OH	Kgt	No Potential	3	No Monitoring
Guy Support Line	VIG2	OH	Kgt	No Potential	4	No Monitoring
Guy Support Line	VIG2	OH	Trmu	No Potential	3	No Monitoring
Guy Support Line	VIG2	OH	Qvoa	High Potential	4	Full-time Monitoring
Guy Support Line	VIG3	OH	Qyf	Low Potential	1	No Monitoring
Guy Support Line	VIG1	OH	Qof	Undetermined Potential	6	Spot-checking
Guy Support Line	VIG1	OH	Qof	Undetermined Potential	7	Spot-checking
Valley-Ivyglen	VIG1	OH	Qof	Undetermined Potential	7	Spot-checking
Valley-Ivyglen	VIG1	OH	Kgt	No Potential	4	No Monitoring
Valley-Ivyglen	VIG1	OH	Qvoa	High Potential	4	Full-time Monitoring
Valley-Ivyglen	VIG2	OH	Kgt	No Potential	2	No Monitoring

Name	Segment	Structure	Geology (Morton and Miller, 2006)	Paleontological Potential (SVP, 2010)	Appendix C Map Page No.	Mitigation Requirements
Valley-Ivyglen	VIG3	OH	Qyf	Low Potential	1	No Monitoring
Valley-Ivyglen	VIG1	OH	Qof	Undetermined Potential	6	Spot-checking
Valley-Ivyglen	VIG1	OH	Trmp	No Potential	4	No Monitoring
Valley-Ivyglen	VIG1	OH	Qvof	Undetermined Potential	5	Spot-checking
Valley-Ivyglen	VIG1	OH	Qvof	Undetermined Potential	6	Spot-checking
Valley-Ivyglen	VIG1	OH	Trmu	No Potential	4	No Monitoring
Valley-Ivyglen	VIG1	OH	Kgb	No Potential	5	No Monitoring
Valley-Ivyglen	VIG1	OH	Trmq	No Potential	5	No Monitoring
Valley-Ivyglen	VIG2	OH	Kgt	No Potential	3	No Monitoring
Valley-Ivyglen	VIG2	OH	Kgt	No Potential	4	No Monitoring
Valley-Ivyglen	VIG2	OH	Trmu	No Potential	3	No Monitoring
Valley-Ivyglen	VIG2	OH	Qvoa	High Potential	4	Full-time Monitoring
Valley-Ivyglen	VIG3	OH	Qya	Low Potential	1	No Monitoring
Valley-Ivyglen	VIG1	OH	Trmq	No Potential	4	No Monitoring
Valley-Ivyglen	VIG1	OH	Qw	Low Potential	4	No Monitoring
Valley-Ivyglen	VIG1	OH	Qw	Low Potential	5	No Monitoring
Valley-Ivyglen	VIG1	OH	Qya	Low Potential	3	No Monitoring
Valley-Ivyglen	VIG1	OH	Qya	Low Potential	4	No Monitoring
Valley-Ivyglen	VIG1	OH	Trmp	No Potential	3	No Monitoring
Valley-Ivyglen	VIG1	OH	Trmp	No Potential	5	No Monitoring
Valley-Ivyglen	VIG1	OH	Qvof	Undetermined Potential	4	Spot-checking
Valley-Ivyglen	VIG2	OH	Qvof	Undetermined Potential	3	Spot-checking
Valley-Ivyglen	VIG2	OH	Qvof	Undetermined Potential	4	Spot-checking
Valley-Ivyglen	VIG2	UG	Kgt	No Potential	2	No Monitoring
Valley-Ivyglen	VIG2	UG	Qyf	Low Potential	1	No Monitoring
Valley-Ivyglen	VIG2	UG	Trmp	No Potential	1	No Monitoring
Valley-Ivyglen	VIG2	UG	Trmq	No Potential	1	No Monitoring

Name	Segment	Structure	Geology (Morton and Miller, 2006)	Paleontological Potential (SVP, 2010)	Appendix C Map Page No.	Mitigation Requirements
Valley-Ivyglen	VIG1	UG	Qof	Undetermined Potential	6	Spot-checking
Valley-Ivyglen	VIG2	UG	Trmq	No Potential	2	No Monitoring
Overhead Fiber Optic Cable	VIG3	OH	Qyf	Low Potential	1	No Monitoring
Overhead Fiber Optic Cable	VIG1	OH	Qof	Undetermined Potential	6	Spot-checking
Overhead Fiber Optic Cable	VIG1	OH	Qof	Undetermined Potential	7	Spot-checking
Overhead Fiber Optic Cable	VIG1	OH	Kgt	No Potential	4	No Monitoring
Overhead Fiber Optic Cable	VIG1	OH	Trmp	No Potential	4	No Monitoring
Overhead Fiber Optic Cable	VIG1	OH	Qvof	Undetermined Potential	5	Spot-checking
Overhead Fiber Optic Cable	VIG1	OH	Qvof	Undetermined Potential	6	Spot-checking
Overhead Fiber Optic Cable	VIG1	OH	Trmu	No Potential	4	No Monitoring
Overhead Fiber Optic Cable	VIG1	OH	Kgb	No Potential	5	No Monitoring
Overhead Fiber Optic Cable	VIG1	OH	Trmq	No Potential	5	No Monitoring
Overhead Fiber Optic Cable	VIG2	OH	Kgt	No Potential	2	No Monitoring
Overhead Fiber Optic Cable	VIG2	OH	Kgt	No Potential	3	No Monitoring
Overhead Fiber Optic Cable	VIG2	OH	Kgt	No Potential	4	No Monitoring
Overhead Fiber Optic Cable	VIG2	OH	Trmu	No Potential	3	No Monitoring
Overhead Fiber Optic Cable	VIG2	OH	Qvoa	High Potential	4	Full-time Monitoring
Overhead Fiber Optic Cable	VIG3	OH	Qya	Low Potential	1	No Monitoring
Overhead Fiber Optic Cable	VIG1	OH	Trmq	No Potential	4	No Monitoring
Overhead Fiber Optic Cable	VIG1	OH	Qw	Low Potential	4	No Monitoring
Overhead Fiber Optic Cable	VIG1	OH	Qw	Low Potential	5	No Monitoring
Overhead Fiber Optic Cable	VIG1	OH	Qya	Low Potential	3	No Monitoring
Overhead Fiber Optic Cable	VIG1	OH	Qya	Low Potential	4	No Monitoring
Overhead Fiber Optic Cable	VIG1	OH	Trmp	No Potential	3	No Monitoring
Overhead Fiber Optic Cable	VIG1	OH	Trmp	No Potential	5	No Monitoring
Overhead Fiber Optic Cable	VIG1	OH	Qvof	Undetermined Potential	4	Spot-checking
Overhead Fiber Optic Cable	VIG2	OH	Qvof	Undetermined Potential	3	Spot-checking

Name	Segment	Structure	Geology (Morton and Miller, 2006)	Paleontological Potential (SVP, 2010)	Appendix C Map Page No.	Mitigation Requirements
Overhead Fiber Optic Cable	VIG2	OH	Qvof	Undetermined Potential	4	Spot-checking
Underground Fiber Optic in existing conduit	VIG1	UG	Qof	Undetermined Potential	7	Spot-checking
Underground Fiber Optic in new conduit	VIG1	UG	Qof	Undetermined Potential	7	Spot-checking
Underground Fiber Optic in new conduit	VIG2	UG	Kgt	No Potential	2	No Monitoring
Underground Fiber Optic in new conduit	VIG2	UG	Kgt	No Potential	4	No Monitoring
Underground Fiber Optic in new conduit	VIG2	UG	Qyf	Low Potential	1	No Monitoring
Underground Fiber Optic in new conduit	VIG2	UG	Trmp	No Potential	1	No Monitoring
Underground Fiber Optic in new conduit	VIG2	UG	Trmq	No Potential	1	No Monitoring
Underground Fiber Optic in new conduit	VIG3	UG	Qya	Low Potential	1	No Monitoring
Underground Fiber Optic in new conduit	VIG1	UG	Qof	Undetermined Potential	6	Spot-checking
Underground Fiber Optic in new conduit	VIG2	UG	Qvoa	High Potential	4	Full-time Monitoring
Underground Fiber Optic in new conduit	VIG2	UG	Trmq	No Potential	2	No Monitoring
Access Road	VIG1	Grading Limit	Qof	Undetermined Potential	6	Spot-checking
Access Road	VIG1	Grading Limit	Qof	Undetermined Potential	7	Spot-checking
Access Road	VIG1	Grading Limit	Kgt	No Potential	4	No Monitoring
Access Road	VIG1	Grading Limit	Qvof	Undetermined Potential	5	Spot-checking
Access Road	VIG1	Ground Disturbance Area	Qof	Undetermined Potential	6	Spot-checking
Access Road	VIG1	Ground Disturbance Area	Qof	Undetermined Potential	7	Spot-checking
Access Road	VIG1	Ground Disturbance Area	Kgt	No Potential	4	No Monitoring
Access Road	VIG1	Ground Disturbance Area	Qvof	Undetermined Potential	5	Spot-checking
Access Road	VIG1	Grading Limit	Qof	Undetermined Potential	6	Spot-checking
Access Road	VIG1	Grading Limit	Qof	Undetermined Potential	7	Spot-checking
Access Road	VIG1	Grading Limit	Kgt	No Potential	4	No Monitoring
Access Road	VIG1	Grading Limit	Trmp	No Potential	4	No Monitoring
Access Road	VIG1	Grading Limit	Qvof	Undetermined Potential	5	Spot-checking
Access Road	VIG1	Grading Limit	Qvof	Undetermined Potential	6	Spot-checking

Name	Segment	Structure	Geology (Morton and Miller, 2006)	Paleontological Potential (SVP, 2010)	Appendix C Map Page No.	Mitigation Requirements
Access Road	VIG1	Grading Limit	Trmu	No Potential	4	No Monitoring
Access Road	VIG1	Grading Limit	Kgb	No Potential	5	No Monitoring
Access Road	VIG1	Grading Limit	Trmq	No Potential	5	No Monitoring
Access Road	VIG1	Ground Disturbance Area	Qof	Undetermined Potential	6	Spot-checking
Access Road	VIG1	Ground Disturbance Area	Qof	Undetermined Potential	7	Spot-checking
Access Road	VIG1	Ground Disturbance Area	Kgt	No Potential	4	No Monitoring
Access Road	VIG1	Ground Disturbance Area	Trmp	No Potential	4	No Monitoring
Access Road	VIG1	Ground Disturbance Area	Qvof	Undetermined Potential	5	Spot-checking
Access Road	VIG1	Ground Disturbance Area	Qvof	Undetermined Potential	6	Spot-checking
Access Road	VIG1	Ground Disturbance Area	Trmu	No Potential	4	No Monitoring
Access Road	VIG1	Ground Disturbance Area	Kgb	No Potential	5	No Monitoring
Access Road	VIG1	Ground Disturbance Area	Trmq	No Potential	5	No Monitoring
Gabion Basket	VIG1	Erosion Control	Qvof	Undetermined Potential	5	Spot-checking
Road Plate	VIG1	Mechanical Stabilization	Trmq	No Potential	5	No Monitoring
Access Road	VIG1	Access Road	Trmu	No Potential	4	No Monitoring
Access Road	VIG1	Grading Limit	Qw	Low Potential	4	No Monitoring
Access Road	VIG1	Grading Limit	Qw	Low Potential	5	No Monitoring
Access Road	VIG1	Grading Limit	Trmp	No Potential	4	No Monitoring
Access Road	VIG1	Grading Limit	Trmp	No Potential	5	No Monitoring
Access Road	VIG1	Ground Disturbance Area	Qw	Low Potential	4	No Monitoring
Access Road	VIG1	Ground Disturbance Area	Qw	Low Potential	5	No Monitoring
Access Road	VIG1	Ground Disturbance Area	Trmp	No Potential	4	No Monitoring
Access Road	VIG1	Ground Disturbance Area	Trmp	No Potential	5	No Monitoring

Name	Segment	Structure	Geology (Morton and Miller, 2006)	Paleontological Potential (SVP, 2010)	Appendix C Map Page No.	Mitigation Requirements
Access Road	VIG1	Grading Limit	Trmq	No Potential	4	No Monitoring
Access Road	VIG1	Grading Limit	Qw	Low Potential	4	No Monitoring
Access Road	VIG1	Grading Limit	Qw	Low Potential	5	No Monitoring
Access Road	VIG1	Grading Limit	Qya	Low Potential	3	No Monitoring
Access Road	VIG1	Grading Limit	Qya	Low Potential	4	No Monitoring
Access Road	VIG1	Grading Limit	Trmp	No Potential	3	No Monitoring
Access Road	VIG1	Grading Limit	Trmp	No Potential	5	No Monitoring
Access Road	VIG1	Grading Limit	Qvof	Undetermined Potential	4	Spot-checking
Access Road	VIG1	Ground Disturbance Area	Trmq	No Potential	4	No Monitoring
Access Road	VIG1	Ground Disturbance Area	Qw	Low Potential	4	No Monitoring
Access Road	VIG1	Ground Disturbance Area	Qw	Low Potential	5	No Monitoring
Access Road	VIG1	Ground Disturbance Area	Qya	Low Potential	3	No Monitoring
Access Road	VIG1	Ground Disturbance Area	Qya	Low Potential	4	No Monitoring
Access Road	VIG1	Ground Disturbance Area	Trmp	No Potential	3	No Monitoring
Access Road	VIG1	Ground Disturbance Area	Trmp	No Potential	5	No Monitoring
Access Road	VIG1	Ground Disturbance Area	Qvof	Undetermined Potential	4	Spot-checking
Gabion Basket	VIG1	Erosion Control	Trmp	No Potential	4	No Monitoring
Gabion Basket	VIG1	Erosion Control	Trmp	No Potential	5	No Monitoring
Road Plate	VIG1	Mechanical Stabilization	Trmp	No Potential	3	No Monitoring
Road Plate	VIG1	Mechanical Stabilization	Trmp	No Potential	4	No Monitoring
Access Road	VIG1	Access Road	Qvof	Undetermined Potential	4	Spot-checking
Access Road	VIG1	Access Road	Qvof	Undetermined Potential	5	Spot-checking
Road Plate	VIG1	Mechanical Stabilization	Qof	Undetermined Potential	6	Spot-checking
TBD	VIG1	TBD	Qvof	Undetermined Potential	5	Spot-checking

Name	Segment	Structure	Geology (Morton and Miller, 2006)	Paleontological Potential (SVP, 2010)	Appendix C Map Page No.	Mitigation Requirements
Culvert	VIG1	Erosion Control	Kgt	No Potential	4	No Monitoring
Gabion Basket	VIG1	Erosion Control	Qof	Undetermined Potential	7	Spot-checking
Gabion Basket	VIG1	Erosion Control	Kgt	No Potential	4	No Monitoring
Rip Rap	VIG1	Erosion Control	Kgt	No Potential	4	No Monitoring
Rip Rap	VIG1	Erosion Control	Trmp	No Potential	4	No Monitoring
Access Road	VIG1	Berm	Trmp	No Potential	4	No Monitoring
Access Road	VIG1	Grading Limit	Trmp	No Potential	3	No Monitoring
Access Road	VIG1	Ground Disturbance Area	Trmp	No Potential	3	No Monitoring
Access Road	VIG1	Grading Limit	Qya	Low Potential	5	No Monitoring
Access Road	VIG1	Ground Disturbance Area	Qya	Low Potential	5	No Monitoring
Access Road	VIG1	Access Road	Trmp	No Potential	3	No Monitoring
Access Road	VIG1	Ground Disturbance Area	Qvof	Undetermined Potential	4	Spot-checking
TBD	VIG1	TBD	Qvof	Undetermined Potential	4	Spot-checking
Access Road	VIG1	Access Road	Qw	Low Potential	4	No Monitoring
Access Road	VIG1	Access Road	Qw	Low Potential	5	No Monitoring
Gabion Basket	VIG1	Erosion Control	Qw	Low Potential	4	No Monitoring
Gabion Basket	VIG1	Erosion Control	Qw	Low Potential	5	No Monitoring
Gabion Basket	VIG1	Erosion Control	Kgb	No Potential	5	No Monitoring
Access Road	VIG2	Grading Limit	Kgt	No Potential	2	No Monitoring
Access Road	VIG2	Ground Disturbance Area	Kgt	No Potential	2	No Monitoring
Access Road	VIG2	Ground Disturbance Area	Kgt	No Potential	2	No Monitoring
Access Road	VIG2	Grading Limit	Kgt	No Potential	2	No Monitoring
N/A	Multiple	ROW	Qof	Undetermined Potential	6	Spot-checking
N/A	Multiple	ROW	Qof	Undetermined Potential	7	Spot-checking
N/A	Multiple	ROW	Kgt	No Potential	2	No Monitoring
N/A	Multiple	ROW	Kgt	No Potential	3	No Monitoring

Name	Segment	Structure	Geology (Morton and Miller, 2006)	Paleontological Potential (SVP, 2010)	Appendix C Map Page No.	Mitigation Requirements
N/A	Multiple	ROW	Kgt	No Potential	4	No Monitoring
N/A	Multiple	ROW	Trmu	No Potential	3	No Monitoring
N/A	Multiple	ROW	Trmp	No Potential	4	No Monitoring
N/A	Multiple	ROW	Qvof	Undetermined Potential	5	Spot-checking
N/A	Multiple	ROW	Qvof	Undetermined Potential	6	Spot-checking
N/A	Multiple	ROW	Qvoa	High Potential	4	Full-time Monitoring
N/A	Multiple	ROW	Trmu	No Potential	4	No Monitoring
N/A	Multiple	ROW	Kgb	No Potential	5	No Monitoring
N/A	Multiple	ROW	Trmq	No Potential	5	No Monitoring
N/A	Multiple	ROW	Qyf	Low Potential	1	No Monitoring
N/A	Multiple	ROW	Trmp	No Potential	1	No Monitoring
N/A	Multiple	ROW	Qya	Low Potential	1	No Monitoring
N/A	Multiple	ROW	Trmq	No Potential	1	No Monitoring
N/A	Multiple	ROW	Trmq	No Potential	2	No Monitoring
N/A	Multiple	ROW	Trmq	No Potential	4	No Monitoring
N/A	Multiple	ROW	Qw	Low Potential	4	No Monitoring
N/A	Multiple	ROW	Qw	Low Potential	5	No Monitoring
N/A	Multiple	ROW	Trmp	No Potential	3	No Monitoring
N/A	Multiple	ROW	Trmp	No Potential	5	No Monitoring
N/A	Multiple	ROW	Qvof	Undetermined Potential	4	Spot-checking
N/A	Multiple	ROW	Qvof	Undetermined Potential	3	Spot-checking
N/A	Multiple	ROW	Qya	Low Potential	4	No Monitoring
N/A	Multiple	ROW	Qya	Low Potential	3	No Monitoring
Valley Substation	TBD	Boundary	Qof	Undetermined Potential	7	Spot-checking
Access Road	TBD	Access Road	Trmp	No Potential	4	No Monitoring
Access Road	TBD	Access Road	Qw	Low Potential	4	No Monitoring
Access Road	TBD	Access Road	Qw	Low Potential	5	No Monitoring

Name	Segment	Structure	Geology (Morton and Miller, 2006)	Paleontological Potential (SVP, 2010)	Appendix C Map Page No.	Mitigation Requirements
Access Road	TBD	Access Road	Qvof	Undetermined Potential	4	Spot-checking
Access Road	TBD	Access Road	Qvof	Undetermined Potential	5	Spot-checking
74 Central Yard-Alternative	Unknown	Yard	Kgt	No Potential	2	No Monitoring
74 Central Yard-Alternative	Unknown	Yard	Trmq	No Potential	2	No Monitoring
Catfish 74 Yard	Unknown	Yard	Qya	Low Potential	1	No Monitoring
Joe 74 Yard	Unknown	Yard	Kgt	No Potential	4	No Monitoring
Joe 74 Yard-Alt Extension	Unknown	Yard	Kgt	No Potential	4	No Monitoring
Valley Yard-South	Unknown	Yard	Qof	Undetermined Potential	7	Spot-checking
Anchor Work Area	VIG1	General Disturbance Area	Kgt	No Potential	4	No Monitoring
General Disturbance Area	VIG1	General Disturbance Area	Qof	Undetermined Potential	6	Spot-checking
General Disturbance Area	VIG1	General Disturbance Area	Qof	Undetermined Potential	7	Spot-checking
Guard Site	VIG1	Guard Site	Qof	Undetermined Potential	6	Spot-checking
Guard Site	VIG1	Guard Site	Qof	Undetermined Potential	7	Spot-checking
Guard Site	VIG1	Guard Site	Kgt	No Potential	4	No Monitoring
Guard Site	VIG1	Guard Site	Trmp	No Potential	4	No Monitoring
Guard Site	VIG1	Guard Site	Qvof	Undetermined Potential	5	Spot-checking
Guard Site	VIG1	Guard Site	Qvof	Undetermined Potential	6	Spot-checking
Guard Site	VIG1	Guard Site	Kgb	No Potential	5	No Monitoring
Pole Impact Areas	VIG1	O_M	Qof	Undetermined Potential	6	Spot-checking
Pole Impact Areas	VIG1	O_M	Qvof	Undetermined Potential	5	Spot-checking
Pull Site	VIG1	Pull Site	Qof	Undetermined Potential	6	Spot-checking
Pull Site	VIG1	Pull Site	Qof	Undetermined Potential	7	Spot-checking
Pull Site	VIG1	Pull Site	Kgt	No Potential	4	No Monitoring
Pull Site	VIG1	Pull Site	Qya	Low Potential	4	No Monitoring
Pull Site	VIG1	Pull Site	Trmp	No Potential	4	No Monitoring
Pull Site	VIG1	Pull Site	Qvof	Undetermined Potential	5	Spot-checking
Pull Site	VIG1	Pull Site	Qvof	Undetermined Potential	6	Spot-checking

Name	Segment	Structure	Geology (Morton and Miller, 2006)	Paleontological Potential (SVP, 2010)	Appendix C Map Page No.	Mitigation Requirements
Pull Site	VIG1	Pull Site	Qvoa	High Potential	4	Full-time Monitoring
Pull Site	VIG1	Pull Site	Trmu	No Potential	4	No Monitoring
Pull Site	VIG1	Pull Site	Trmq	No Potential	5	No Monitoring
Structure Work Area	VIG1	Structure Work Area	Qof	Undetermined Potential	6	Spot-checking
Structure Work Area	VIG1	Structure Work Area	Qof	Undetermined Potential	7	Spot-checking
Structure Work Area	VIG1	Structure Work Area	Kgt	No Potential	4	No Monitoring
Structure Work Area	VIG1	Structure Work Area	Qya	Low Potential	4	No Monitoring
Structure Work Area	VIG1	Structure Work Area	Trmp	No Potential	4	No Monitoring
Structure Work Area	VIG1	Structure Work Area	Qvof	Undetermined Potential	5	Spot-checking
Structure Work Area	VIG1	Structure Work Area	Qvof	Undetermined Potential	6	Spot-checking
Structure Work Area	VIG1	Structure Work Area	Qvoa	High Potential	4	Full-time Monitoring
Structure Work Area	VIG1	Structure Work Area	Trmu	No Potential	4	No Monitoring
Structure Work Area	VIG1	Structure Work Area	Kgb	No Potential	5	No Monitoring
Structure Work Area	VIG1	Structure Work Area	Trmq	No Potential	5	No Monitoring
TBD	VIG1	Trench	Qof	Undetermined Potential	7	Spot-checking
Pole Impact Areas	VIG1	O_M	Trmq	No Potential	4	No Monitoring
Pole Impact Areas	VIG1	O_M	Trmq	No Potential	5	No Monitoring
Pull Site	VIG1	Pull Site	Trmq	No Potential	4	No Monitoring
Pull Site	VIG1	Pull Site	Trmp	No Potential	3	No Monitoring
Structure Work Area	VIG1	Structure Work Area	Trmq	No Potential	4	No Monitoring
Structure Work Area	VIG1	Structure Work Area	Qw	Low Potential	4	No Monitoring
Structure Work Area	VIG1	Structure Work Area	Qw	Low Potential	5	No Monitoring
Structure Work Area	VIG1	Structure Work Area	Qya	Low Potential	3	No Monitoring
Structure Work Area	VIG1	Structure Work Area	Trmp	No Potential	3	No Monitoring
Structure Work Area	VIG1	Structure Work Area	Trmp	No Potential	5	No Monitoring
Structure Work Area	VIG1	Structure Work Area	Qvof	Undetermined Potential	4	Spot-checking
Pole Impact Areas	VIG1	O_M	Qof	Undetermined Potential	7	Spot-checking

Name	Segment	Structure	Geology (Morton and Miller, 2006)	Paleontological Potential (SVP, 2010)	Appendix C Map Page No.	Mitigation Requirements
Pole Impact Areas	VIG1	O_M	Kgt	No Potential	4	No Monitoring
Telcom Pull Site	VIG1	Pull Site	Qof	Undetermined Potential	6	Spot-checking
Telcom Pull Site	VIG1	Pull Site	Qvof	Undetermined Potential	6	Spot-checking
Tree Trimming Area	VIG1	Vegetation Removal	Trmp	No Potential	4	No Monitoring
TBD	VIG1	Trench	Qof	Undetermined Potential	6	Spot-checking
Pole Impact Areas	VIG1	O_M	Qvof	Undetermined Potential	4	Spot-checking
Pull Site	VIG1	Pull Site	Qya	Low Potential	3	No Monitoring
Tree Trimming Area	VIG1	Vegetation Removal	Qw	Low Potential	4	No Monitoring
Tree Trimming Area	VIG1	Vegetation Removal	Qw	Low Potential	5	No Monitoring
Tree Trimming Area	VIG1	Vegetation Removal	Qvof	Undetermined Potential	4	Spot-checking
Tree Trimming Area	VIG1	Vegetation Removal	Qvof	Undetermined Potential	5	Spot-checking
Telcom Pull Site	VIG1	Pull Site	Qvof	Undetermined Potential	5	Spot-checking
Pole Impact Areas	VIG1	O_M	Trmp	No Potential	4	No Monitoring
Pole Impact Areas	VIG1	O_M	Qvof	Undetermined Potential	6	Spot-checking
Pole Impact Areas	VIG1	O_M	Qvoa	High Potential	4	Full-time Monitoring
Pole Impact Areas	VIG1	O_M	Trmu	No Potential	4	No Monitoring
Pole Impact Areas	VIG1	O_M	Kgb	No Potential	5	No Monitoring
Telcom Pull Site	VIG1	Pull Site	Kgt	No Potential	4	No Monitoring
Telcom Pull Site	VIG1	Pull Site	Trmu	No Potential	4	No Monitoring
Pole Impact Areas	VIG1	O_M	Qw	Low Potential	4	No Monitoring
Pole Impact Areas	VIG1	O_M	Qw	Low Potential	5	No Monitoring
Pole Impact Areas	VIG1	O_M	Trmp	No Potential	3	No Monitoring
Pole Impact Areas	VIG1	O_M	Trmp	No Potential	5	No Monitoring
Telcom Pull Site	VIG1	Pull Site	Qof	Undetermined Potential	7	Spot-checking
Telcom Pull Site	VIG1	Pull Site	Trmp	No Potential	4	No Monitoring
Telcom Pull Site	VIG1	Pull Site	Trmp	No Potential	5	No Monitoring
Telcom Pull Site	VIG1	Pull Site	Trmp	No Potential	3	No Monitoring

Name	Segment	Structure	Geology (Morton and Miller, 2006)	Paleontological Potential (SVP, 2010)	Appendix C Map Page No.	Mitigation Requirements
Pole Impact Areas	VIG1	O_M	Qya	Low Potential	3	No Monitoring
Pole Impact Areas	VIG1	O_M	Qya	Low Potential	4	No Monitoring
Anchor Work Area	VIG2	General Disturbance Area	Kgt	No Potential	2	No Monitoring
Anchor Work Area	VIG2	General Disturbance Area	Kgt	No Potential	3	No Monitoring
Anchor Work Area	VIG2	General Disturbance Area	Kgt	No Potential	4	No Monitoring
Anchor Work Area	VIG2	General Disturbance Area	Trmu	No Potential	3	No Monitoring
Anchor Work Area	VIG2	General Disturbance Area	Qvoa	High Potential	4	Full-time Monitoring
Guard Site	VIG2	Guard Site	Kgt	No Potential	2	No Monitoring
Guard Site	VIG2	Guard Site	Kgt	No Potential	3	No Monitoring
Guard Site	VIG2	Guard Site	Trmu	No Potential	3	No Monitoring
Guard Site	VIG2	Guard Site	Qvoa	High Potential	4	Full-time Monitoring
Pull Site	VIG2	Pull Site	Kgt	No Potential	2	No Monitoring
Pull Site	VIG2	Pull Site	Kgt	No Potential	3	No Monitoring
Pull Site	VIG2	Pull Site	Kgt	No Potential	4	No Monitoring
Structure Work Area	VIG2	Structure Work Area	Kgt	No Potential	2	No Monitoring
Structure Work Area	VIG2	Structure Work Area	Kgt	No Potential	3	No Monitoring
Structure Work Area	VIG2	Structure Work Area	Kgt	No Potential	4	No Monitoring
Structure Work Area	VIG2	Structure Work Area	Trmu	No Potential	3	No Monitoring
Structure Work Area	VIG2	Structure Work Area	Qvoa	High Potential	3	Full-time Monitoring
Structure Work Area	VIG2	Structure Work Area	Qvoa	High Potential	4	Full-time Monitoring
Telcom Pull Site	VIG2	Pull Site	Kgt	No Potential	4	No Monitoring
Vault Work Area	VIG2	Structure Work Area	Kgt	No Potential	2	No Monitoring
Vault Work Area	VIG2	Structure Work Area	Trmp	No Potential	1	No Monitoring
Vault Work Area	VIG2	Structure Work Area	Trmq	No Potential	1	No Monitoring
Guard Site	VIG2	Guard Site	Kgt	No Potential	4	No Monitoring

Name	Segment	Structure	Geology (Morton and Miller, 2006)	Paleontological Potential (SVP, 2010)	Appendix C Map Page No.	Mitigation Requirements
Structure Work Area	VIG2	Structure Work Area	Qvof	Undetermined Potential	3	Spot-checking
Structure Work Area	VIG2	Structure Work Area	Qvof	Undetermined Potential	4	Spot-checking
Vault Work Area	VIG2	Structure Work Area	Trmq	No Potential	2	No Monitoring
Pole Impact Areas	VIG2	O_M	Kgt	No Potential	4	No Monitoring
Pole Impact Areas	VIG2	O_M	Kgt	No Potential	2	No Monitoring
Pole Impact Areas	VIG2	O_M	Kgt	No Potential	3	No Monitoring
Pull Site	VIG2	Pull Site	Qvoa	High Potential	4	Full-time Monitoring
TBD	VIG2	Trench	Kgt	No Potential	4	No Monitoring
Vault Work Area	VIG2	Structure Work Area	Qyf	Low Potential	1	No Monitoring
TBD	VIG2	Trench	Kgt	No Potential	2	No Monitoring
TBD	VIG2	Trench	Qvoa	High Potential	4	Full-time Monitoring
TBD	VIG2	Trench	Qyf	Low Potential	1	No Monitoring
TBD	VIG2	Trench	Trmp	No Potential	1	No Monitoring
TBD	VIG2	Trench	Trmq	No Potential	1	No Monitoring
TBD	VIG2	Trench	Trmq	No Potential	2	No Monitoring
Telcom Pull Site	VIG2	Pull Site	Kgt	No Potential	3	No Monitoring
Pole Impact Areas	VIG2	O_M	Trmu	No Potential	3	No Monitoring
Pole Impact Areas	VIG2	O_M	Qvoa	High Potential	4	Full-time Monitoring
Telcom Pull Site	VIG2	Pull Site	Kgt	No Potential	2	No Monitoring
Pole Impact Areas	VIG2	O_M	Qvof	Undetermined Potential	3	Spot-checking
Pole Impact Areas	VIG2	O_M	Qvof	Undetermined Potential	4	Spot-checking
Telcom Pull Site	VIG2	Pull Site	Qvoa	High Potential	4	Full-time Monitoring
Anchor Work Area	VIG3	General Disturbance Area	Qyf	Low Potential	1	No Monitoring
Guard Site	VIG3	Guard Site	Qyf	Low Potential	1	No Monitoring
Guard Site	VIG3	Guard Site	Qya	Low Potential	1	No Monitoring
Pole Impact Areas	VIG3	O_M	Qyf	Low Potential	1	No Monitoring

Name	Segment	Structure	Geology (Morton and Miller, 2006)	Paleontological Potential (SVP, 2010)	Appendix C Map Page No.	Mitigation Requirements
Pole Impact Areas	VIG3	O_M	Qya	Low Potential	1	No Monitoring
Pull Site	VIG3	Pull Site	Qyf	Low Potential	1	No Monitoring
Pull Site	VIG3	Pull Site	Qya	Low Potential	1	No Monitoring
Structure Work Area	VIG3	Structure Work Area	Qyf	Low Potential	1	No Monitoring
Structure Work Area	VIG3	Structure Work Area	Qya	Low Potential	1	No Monitoring
Telcom Pull Site	VIG3	Pull Site	Qya	Low Potential	1	No Monitoring