



EAST COUNTY SUBSTATION PROJECT MINOR PROJECT REFINEMENT REQUEST FORM

Date Submitted:	03-22-13 (Original Submittal) 05-13-13 (Resubmittal)	Request #:	2	
Date Approval Required:	05-17-13	Landowner:	[This information has been redacted due to its confidential nature]	
APNs:	Domingo Lake Construction Yard: [This information has been redacted due to its confidential nature] Jewel Valley Construction Yard: [This information has been redacted due to its confidential nature]			
Refinement from (check all that apply):				
<input type="checkbox"/> Mitigation Measure	<input type="checkbox"/> APM	<input checked="" type="checkbox"/> Project Description	<input type="checkbox"/> Drawing	<input type="checkbox"/> Other
Identify source (mitigation measure, project description, etc.):				
<p>Figures B-7 through B-9A in the Project Description of the Final Environmental Impact Report/Environmental Impact Statement (EIR/EIS) for the East County Substation Project (Project) depict the originally proposed locations of two fly yards between the Southwest Powerlink and rebuilt Boulevard Substation, which are now referred to as the Domingo Lake and Jewel Valley construction yards. Page B-24 of the Final EIR/EIS states that these yards will be used for helicopter takeoffs and landings and as refueling areas. The information in this form addresses the proposed refinements that are being requested for these construction yards.</p>				
Attachments (check all that apply):				
<input checked="" type="checkbox"/> Refinement Screening Form (provided as Attachment A: Minor Project Refinement Request Screening Form)	<input checked="" type="checkbox"/> Photos (provided as Attachment B: Photographs)	<input checked="" type="checkbox"/> Maps (provided as Attachment C: Site Maps)	<input checked="" type="checkbox"/> Other (Attachment D: EIR/EIS Study Area Table)	
<p>Under Order 3 of the Decision Granting SDG&E Permit to Construct the East County Substation Project (D.12-04-022), the CPUC may approve minor project refinements under certain circumstances. In accordance with Order 3 of the Decision, respond “yes” or “no” to the following questions (a) through (d).</p>				
<p>(a) Is the proposed refinement outside the geographic boundary of the EIR/EIS study area? No. The proposed refinement is located within the geographic extent of the EIR/EIS study area, which is summarized in Attachment D: EIR/EIS Study Area Table. Vegetation, drainage, and rare plant surveys of the Domingo Lake and Jewel Valley construction yards were included in the EIR/EIS analysis. Figure 1: Domingo Lake Construction Yard Refinement and Figure 2: Jewel Valley Construction Yard Refinement in Attachment C: Site Maps shows the boundaries of the areas that were surveyed for various resources in the Project vicinity, as well as the approved components and proposed refinements.</p>				
<p>(b) Will the proposed refinement result in a new significant impact or a substantial increase in the severity of a previously identified significant impact based on the criteria used in the EIR/EIS? No.</p>				
<p>(c) Does the proposed refinement conflict with any mitigation measure or applicable law or policy? No.</p>				
<p>(d) Does the proposed refinement trigger an additional permit requirement? No. The use of construction yards was contemplated in the Final EIR/EIS; therefore, no additional permits would be required that were not already considered through the approval of other construction yards. All of the resources identified within the requested refinement areas were previously discussed and analyzed within the Final EIR/EIS.</p>				
Describe refinement being requested (attach drawings and photos as needed):				
San Diego Gas & Electric Company (SDG&E) requests the proposed refinements described in the following				

paragraphs for the Domingo Lake and Jewel Valley construction yards. The construction yards were previously described in the Project's EIR/EIS and are associated with the 138 kilovolt (kV) underground transmission line between the Boulevard Substation and steel pole (SP) 38 (Section 1). The following summarizes the requested refinements:

Domingo Lake Construction Yard

- Shift of approximately 550 feet to the northwest

Jewel Valley Construction Yard

- Addition of a new temporary access road
- Addition of a temporary 12 kV distribution service line extension (distribution tap)
- Additional grading activities at the intersection of Jewel Valley Road and the existing access road located north of the Jewel Valley Construction Yard

The proposed refinements requested for the Jewel Valley Construction Yard are described in further detail in this paragraph. These refinements include the addition of an approximately 40-foot-long and 40-foot-wide temporary access road, an approximately 130-foot-long temporary distribution tap, and the grading of approximately 0.2-acre area located at the intersection of Jewel Valley Road and an existing unpaved road located north of the Jewel Valley Construction Yard. The new temporary access road will provide access to the yard from an existing road located north of the approved Jewel Valley Construction Yard site. The new temporary access road will require vegetation clearing and minor grading and will be restored upon demobilization. In addition, a temporary 12 kV distribution tap will be constructed to provide power to the Jewel Valley Construction Yard. The distribution tap will require the installation of one new steel pole with a transformer, which will be installed in line within an existing distribution circuit located along Jewel Valley Road. This new steel pole will be located approximately 130 feet to the west of the approved Jewel Valley Construction Yard site. In addition, a temporary steel pole will be installed approximately 30 feet to the west of the Jewel Valley Construction Yard, just outside of the existing fence line. A 12 kV distribution conductor will be strung from the existing distribution line across the new and temporary steel poles located outside of the Jewel Valley Construction Yard, continue into the construction yard, potentially connect to additional temporary poles, and terminate at the service meter panel and the construction trailers located within the construction yard. The two proposed new and temporary steel poles outside of the fence line will each be approximately 40 to 60 feet tall and require approximately 25 square feet of temporary work area around each pole. In addition, an approximately 25-foot-long, 12-foot-wide temporary overland access route from the Jewel Valley Construction Yard will be required to install the temporary steel pole located just outside of the existing fence line. Grading of the approximately 0.2-acre area at the intersection of Jewel Valley Road and the existing unpaved road will allow safe entrance to the unpaved road for construction vehicles and equipment traveling to the construction yard from Jewel Valley Road.

As previously described, the originally proposed locations of the Domingo Lake and Jewel Valley construction yards were provided in the Project's Final EIR/EIS, which stated that they would be used for helicopter takeoffs, landings, and refueling. As part of this Minor Project Refinement request, SDG&E proposes to redefine the uses at the yards to include all general construction activities, such as staging and storage of materials, as well as for helicopter use. More specifically, the Domingo Lake and Jewel Valley construction yards will be utilized in the following ways:

- Providing a show-up location for Project personnel
- Providing temporary storage areas for on- and off-road construction equipment
- Providing locations for the construction field offices and temporary distribution tap
- Providing staging areas for the delivery of materials to localized construction areas
- Providing contained areas for the storage of small quantities of hazardous materials, including hazardous waste
- Providing areas for helicopter operations, maintenance, storage, and refueling
- Providing maintenance areas for construction equipment

Figure 1: Domingo Lake Construction Yard Refinement and Figure 2: Jewel Valley Construction Yard Refinement in Attachment C: Site Maps depict the locations of the approved yards, as well as the requested refinements.

Provide need for refinement (attach drawings and photos as needed):					
<p>The approximately 550-foot shift that is being requested for the Domingo Lake Construction Yard is needed based on the topography of the area, as well as the proximity of the new location to the underground portion of the 138 kV transmission line between steel pole 38 and the Boulevard Substation rebuild site. This footprint shift will allow the construction crew to access the yard from the underground alignment workspace, rather than require that the materials be transported over 500 feet to and from the approved yard via a separate access road. Figure 1: Domingo Lake Construction Yard Refinement in Attachment C: Site Maps depicts the approved Domingo Lake Construction Yard, as well as the requested refinement.</p> <p>The addition of the requested temporary access road north of the approved Jewel Valley Construction Yard is needed to physically utilize the yard. This temporary access road was unintentionally omitted from the original Project documents. The temporary distribution tap is needed to provide power to the construction yard for operation of trailers and construction equipment. Grading of the intersection of Jewel Valley Road and the existing unpaved road located north of the Jewel Valley Construction Yard is needed to allow safe entrance to the unpaved road for construction vehicles and equipment traveling to the construction yard from Jewel Valley Road. Figure 2: Jewel Valley Construction Yard Refinement in Attachment C: Site Maps depicts the approved Jewel Valley Construction Yard, the requested temporary access road, the temporary distribution tap, and the area of the existing unpaved road to be graded.</p>					
Date refinement is expected to be implemented:			05-20-13		
SDG&E Approvals					
Title	Name	Approval Initials	Date	Conditions (see attached)	
Project Manager	Don Houston	DH	03-19-13	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Environmental Compliance Lead	Kirstie Reynolds	KR	03-19-13	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Construction Manager	Molly Amendt	MA	03-21-13	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Construction Manager	Brian Telesmanic	BT	03-21-13	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Lead Environmental Inspector	Larry Butcher	LB	01-30-13	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Cultural Resource Lead	Nikki Morgan	NM	03-19-13	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Land Advisor	Pete McMorris	PM	03-21-13	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Landowner Approval (if required)					
Landowner Name		Signature or Other Consent			
[This information has been redacted due to its confidential nature]		Documentation of landowner coordination will be included with the Notice to Proceed request for the construction yards.			
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Resource Agency Coordination					
Resource Agency	Name	Action Required	Date	Documentation (see attached if yes)	
California Department of Fish and Wildlife	Eric Weiss	Removal of approximately 10 Jacumba milk-vetch (<i>Astragalus douglasii</i>) individuals within the shifted Domingo Lake Construction Yard site	03-22-13	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No (Documentation will be provided separately)

ATTACHMENT A: MINOR PROJECT REFINEMENT REQUEST SCREENING FORM

MINOR PROJECT REFINEMENT REQUEST SCREENING FORM

RESOURCE EVALUATION

The proposed Minor Project Refinement was evaluated to verify that it would not result in a new significant impact or a substantial increase in the severity of a previously identified significant impact based on the criteria used in the Final Environmental Impact Report/Environmental Impact Statement (EIR/EIS). The following table provides a brief summary of the potential impact for each resource area analyzed in the EIR/EIS.

EIR/EIS Section	Summary of Potential Impacts
Aesthetics	<p><i>No Change.</i> The requested refinements associated with the Domingo Lake Construction Yard and the Jewel Valley Construction Yard will not result in new significant impacts or a substantial increase in the severity of a previously identified significant impact. The yards will be used for construction activities, in addition to helicopter takeoffs, landings, and refueling, which are in line with the originally intended purpose of the yards, as provided in the Final EIR/EIS. These activities will not increase impacts to a scenic vista or highway, nor will they substantially degrade the existing visual character of the area. Likewise, these activities will not create a new source of light or glare that would adversely affect views in the area. In addition, the shifted footprint of the Domingo Lake Construction Yard will be smaller than the currently approved yard, and will partially overlap with the temporary workspace that will be used to construct the underground transmission line. As compared to the approved Domingo Lake Construction Yard, the shifted yard will be reduced by approximately 0.4 acre in size due to its smaller footprint and the underground transmission line workspace overlap.</p> <p>The Jewel Valley Construction Yard’s new temporary access road will have a footprint of approximately 0.04 acre and the additional workspace required to install the distribution tap will have a footprint of approximately 0.01 acre. The new steel pole for the distribution tap, which will be installed approximately 130 feet to the west of the approved Jewel Valley Construction Yard site, will be located within the approved temporary disturbance area for the underground transmission alignment. The temporary steel pole for the distribution tap, associated temporary work area, and temporary overland access route will be located immediately west of and adjacent to the Jewel Valley Construction Yard. In addition, one or more temporary steel poles may be installed within the Jewel Valley Construction Yard as part of the distribution tap. The components of the distribution tap, with the exception of the new steel pole to be installed in line with an existing distribution circuit located along Jewel Valley Road, will be temporary and removed following construction activities. The presence of these new and temporary steel poles will be visually similar to and in line with the originally intended purpose of the yards. In addition, the poles will be similar in height to the existing distribution poles in the area. Therefore, no additional impacts to aesthetics will result from the addition of the distribution tap. Grading of the entrance to the unpaved road located north of Jewel Valley Construction Yard will not result in any additional impacts to aesthetics as the unpaved road and Jewel Valley Road are both currently existing roads, and the graded area is located partially within the previously approved permanent right-of-way and temporary workspace for the 138 kV underground transmission line. All of the refinement areas, with the exception of the new permanent steel pole to be installed in line with an existing distribution circuit located along Jewel Valley Road, as shown in Figure 2: Jewel Valley Construction Yard Refinement, will only be used temporarily during construction of the Project, and will be restored to near pre-construction conditions following completion of the Project. Thus, there will be no impact to aesthetics from the requested refinements.</p>

EIR/EIS Section	Summary of Potential Impacts
Agriculture and Forestry Resources	<p><i>No Change.</i> There are no agricultural or forestry resources located in the vicinity of the requested refinement areas. Therefore, there will be no impact to these resources.</p>
Air Quality and Greenhouse Gas Emissions	<p><i>No Change.</i> The activities that will be conducted at the Domingo Lake and Jewel Valley construction yards include the uses approved for the temporary workspace that will be used to construct the underground transmission alignment and/or Project staging areas and fly yards. The Air Quality section of the Final EIR/EIS states that the 138 kilovolt (kV) transmission line component of the Project would generate elevated levels of dust and exhaust emission. However, the footprint of the shifted Domingo Lake Construction Yard will be reduced by approximately 0.4 acre, thereby requiring less ground disturbance and use of emission-contributing heavy equipment. No additional truck trips to the construction yards are anticipated beyond those described in the Final EIR/EIS. Thus, as a result of the refinement to the Domingo Lake Construction Yard, fewer emissions are anticipated from the shifted Domingo Lake Construction Yard than from the yard that was approved in the Final EIR/EIS.</p> <p>The proposed temporary access road to the Jewel Valley Construction Yard will require only minimal vegetation clearing and minor grading, as it will total approximately 0.01 mile (40 feet) in length. Similarly, the approximately 0.2-acre area at the entrance to the unpaved road located north of the Jewel Valley Construction Yard will require only minimal vegetation removal and grading. The approximately 25-foot-long temporary overland access route to install the distribution tap at the Jewel Valley Construction Yard will only require minimal vegetation clearing and will not require grading. Construction of the distribution tap will be temporary and short-term, lasting approximately one day. Additional equipment, such as an auger and bucket truck, will be required to install the distribution tap. However, equipment will be utilized in accordance with the air quality impacts approved and analyzed for the temporary workspace for the 138 kV underground transmission alignment and/or Project staging areas and fly yards. Neither of the requested refinement areas will be located in closer proximity to residences or sensitive receptors than described in the Final EIR/EIS, and objectionable odors will not increase as a result of the refinements. Thus, the emission totals for the requested refinements are anticipated to be slightly reduced and will not result in a new significant impact or in a substantial increase in the severity of a previously identified significant impact.</p>
Biological Resources	<p><i>No Change.</i> The requested refinement areas were included in previous reconnaissance surveys, as well as vegetation, rare plant, and jurisdictional drainage surveys and were assessed for impacts in the Final EIR/EIS. No special-status wildlife species are known to occur or were identified during the previous surveys within the requested refinement areas. Rare plant surveys were conducted for the Project between 2009 and 2012. The results of these surveys are detailed in the 2009, 2010, 2011, and 2012 Rare Plant Survey Reports for the Project. Throughout the surveys, qualified botanists walked in 35- to 100-foot-wide transects to identify rare plant occurrences. Populations of rare plant species were tallied by counting individual plants and, in instances where plant population sizes were very large, by estimating population sizes. Estimates were taken by averaging the total number of plants in three randomly chosen square meter swaths, and then multiplying this number by the size of the area in which the population occurred. Approximately 10 Jacumba milk-vetch individuals have been identified within the shifted Domingo Lake Construction Yard site during the previous rare plant surveys that were conducted for the Project between 2009 and 2012. Although shifting the Domingo Lake Construction Yard site will necessitate removal of 10 additional Jacumba milk-vetch individuals, the overall level of significance of Project-related impacts to biological resources will not change. Page D.2-135 of the Final EIR/EIS provides that the ECO Substation Project could result in impacts to approximately 19 Jacumba milk-vetch individuals. However, the Final EIR/EIS also</p>

EIR/EIS Section	Summary of Potential Impacts
	<p>provides that impacts to special-status plant species will be mitigated to a less-than-significant level under the California Environmental Quality Act through implementation of Mitigation Measures BIO-1a through BIO-1g, BIO-3a, BIO-4a, and BIO-5a through BIO-5b, which include special-status species compensation and habitat restoration. Mitigation for impacts to rare plants is also described in the Project's Compensatory Mitigation Plan, which was approved by the California Department of Fish and Wildlife on December 11, 2012 and submitted to the California Public Utilities Commission (CPUC) on December 17, 2012. The Compensatory Mitigation Plan includes mitigation for impacts to 278 Jacumba milk-vetch individuals. However, in the most recent rare plant survey conducted for the Project in 2012, impacts to only 263 Jacumba milk-vetch individuals, which were located in the Project's permanent right-of-way and temporary construction areas, were calculated. With inclusion of the additional 10 Jacumba milk-vetch individuals located in the shifted Domingo Lake Construction Yard site, approximately 273 total Jacumba milk-vetch individuals will be impacted as a result of the Project. Therefore, Project-wide impacts to Jacumba milk-vetch will still remain below the number identified in the Compensatory Mitigation Plan and impacts to Jacumba milk-vetch individuals located in the shifted Domingo Lake Construction Yard site will not result in the need for additional mitigation or alter the overall level of significance of impacts to biological resources.</p> <p>The rare plant surveys indicate that approximately four Jacumba milk-vetch individuals were identified approximately 30 feet east of the proposed Jewel Valley Construction Yard temporary access road location, though none have been identified within the requested road site, as shown in Figure 2: Jewel Valley Construction Yard Refinement in Attachment C: Site Maps. No rare plants have been identified within the requested temporary distribution tap location, the temporary overland access route, or the area to be graded at the entrance to the unpaved access road located north of the Jewel Valley Construction Yard.</p> <p>As a result of the requested shift to the Domingo Lake Construction Yard, impacts to vegetation communities will slightly differ from previously described. Approximately 5.6 acres of mixed desert scrub and 0.1 acre of big sagebrush would be impacted from use of the original Domingo Lake Construction Yard location, whereas approximately 5.6 acres of big sagebrush will be impacted at the new location. In addition, the vegetation community located at the site of the proposed Jewel Valley Construction Yard temporary access road contains approximately 0.04 acre of oak woodland. However, no oak trees will be removed in order to construct the new temporary access road. The temporary distribution tap, associated temporary work area, and temporary overland access route located west of the Jewel Valley Construction Yard will be located in approximately 460 square feet (0.01 acre) of big sagebrush; however, no big sagebrush plants will be removed to install the poles. In addition, the equipment utilized to install the new steel pole adjacent to Jewel Valley Road will be staged within the road shoulder of Jewel Valley Road to minimize disturbance to vegetation. Grading the approximately 0.2-acre area at the entrance to the unpaved access road will require vegetation removal within approximately 400 square feet of chamise-redshank chaparral and approximately 443 square feet of big sagebrush. Attachment B: Photographs provides photographs of the requested refinement areas for the shifted Domingo Lake Construction Yard and Jewel Valley Construction Yard. These refinement areas, with the exception of the new steel pole to be installed in line with an existing distribution circuit located along Jewel Valley Road, will be used temporarily and will be restored to near pre-construction conditions following construction of the Project. As a result, no new significant impacts or a substantial increase in the severity of a previously identified significant impact will occur and there will be no change in impacts to biological resources that would require additional mitigation.</p>

EIR/EIS Section	Summary of Potential Impacts
Cultural Resources	<p><i>No Change.</i> The requested refinement areas were included in previous cultural resource surveys that were conducted and were analyzed in the Final EIR/EIS. No known cultural resources have been identified within the original or shifted Domingo Lake Construction Yard, the new Jewel Valley Construction Yard temporary access road, the location of the temporary distribution tap, temporary overland access route located west of the Jewel Valley Construction Yard, or the area to be graded at the entrance to the unpaved access road located north of the Jewel Valley Construction Yard, as described in Figure 1: Domingo Lake Construction Yard Refinement and Figure 2: Jewel Valley Construction Yard Refinement in Attachment C: Site Maps. As stated in the Confidential Cultural Resources Analysis for the East County Substation Project: Minor Refinements #2 and #3 (Williams, 2013) letter report, which was submitted to the CPUC and Bureau of Land Management on April 8, 2013, the requested refinements are not anticipated to result in any impacts to significant cultural resources or require any additional Environmentally Sensitive Areas to be established. Thus, no change in impacts to cultural resources will result from the requested refinements.</p>
Geology, Soils, and Seismicity	<p><i>No Change.</i> The activities to be conducted at the Domingo Lake and Jewel Valley construction yards will be performed in accordance with the uses approved for the temporary workspace for the underground transmission alignment and/or Project staging areas and fly yards. Although minimal ground disturbance may be required for the refinement areas, the shifted Domingo Lake Construction Yard will have a reduced footprint compared to the original yard, the proposed Jewel Valley Construction Yard temporary access road will measure only approximately 0.04 acre in area, and the installation of the temporary distribution tap located west of the Jewel Valley Construction Yard will result in a total footprint of approximately 0.01 acre (460 square feet) outside of the underground transmission alignment workspace. In addition, approximately half (0.1 acre) of the 0.2-acre area to be graded at the entrance of the unpaved access road located north of the Jewel Valley Construction Yard is located within the previously approved permanent Project right-of-way. Therefore, the amount of overall ground disturbance associated with the Jewel Valley Construction Yard and Domingo Lake Construction Yard will be slightly reduced. In addition, the shifted Domingo Lake Construction Yard is situated in more level terrain than the approved yard location, which will reduce the potential for soil erosion. The locations of the temporary distribution tap and graded area of at the entrance to the unpaved access road were included in the evaluation of geology, soils, and seismicity in the Project area and the construction activities associated with these refinements will not result in new impacts. Further, use of the requested refinement areas during construction of the Project will be short-term in nature and will not create any new significant impacts to geology, soils, or seismicity. Therefore, the requested refinements will not result in new significant impacts or a substantial increase in the severity of a previously identified significant impact to geology, soils, or seismicity.</p>
Hazards and Hazardous Materials	<p><i>No Change.</i> The activities performed and materials used at the Domingo Lake and Jewel Valley construction yards will occur in accordance with the uses approved for the temporary workspace for the underground transmission alignment and/or Project staging areas and fly yards. The temporary distribution tap will not create new significant hazards as the new steel pole located adjacent to Jewel Valley Road will be installed in line with an existing distribution circuit and will be located approximately the same distance from the road as the existing poles. The construction yards may include use of the materials listed in Table D-10.2 of the Project's Final EIR/EIS and Table 1: Hazardous Materials and Uses of the Project's Hazardous Materials and Waste Management Plan, in addition to fuel for helicopters. The use of helicopter fuel was previously included in the Final EIR/EIS analysis for the approved yards; this and any other hazardous material will be handled and</p>

EIR/EIS Section	Summary of Potential Impacts
	disposed of in accordance with the Project’s Hazardous Materials and Waste Management Plan and with the Health and Safety Program. Therefore, the requested refinements will not result in new significant impacts or a substantial increase in the severity of a previously identified significant impact to hazards and hazardous materials.
Hydrology and Water Quality	<i>No Change.</i> The requested refinement areas were included in the jurisdictional drainage surveys that were conducted for the Project and analyzed in the Final EIR/EIS and applicable permits. Neither of the proposed refinement areas contain any California Department of Fish and Wildlife or United States Army Corps of Engineers jurisdictional waters, as shown in Attachment B: Photographs and in Figure 1: Domingo Lake Construction Yard Refinement and Figure 2: Jewel Valley Construction Yard Refinement in Attachment C: Site Maps. In addition, the refinement areas will be utilized in accordance with the uses that were approved for the temporary workspace for the underground transmission alignment and/or Project staging areas and fly yards. Therefore, the requested refinements will not result in new significant impacts or a substantial increase in the severity of a previously identified significant impact to hydrology and water quality.
Land Use and Planning	<i>No Change.</i> The landowners of the requested refinement areas have been notified of the proposed uses and the appropriate rights to use the construction yards have been obtained. The requested refinement areas will be utilized in accordance with the uses approved for the temporary workspace for the underground transmission alignment and/or staging areas and fly yards. The refinement areas, with the exception of the new steel pole to be installed in line with an existing distribution circuit located along Jewel Valley Road, will be used temporarily during construction of the 138 kV transmission line and will not result in any change in impacts related to land use and planning.
Mineral Resources	<i>No Change.</i> There are no identified mines located within the requested refinement areas. The additional ground-disturbing activities that will be required to prepare the proposed Jewel Valley Construction Yard temporary access road, temporary distribution tap, and entrance to the unpaved access road located north of Jewel Valley Construction Yard for use will require grading and recompaction of the existing soil, which will be returned to near pre-construction conditions following construction of the Project. In addition, the requested refinement areas will be utilized in accordance with the uses approved for the temporary workspace for the underground transmission alignment and/or staging areas and fly yards, and will have a smaller overall footprint. Therefore, the requested refinements will not result in new significant impacts or a substantial increase in the severity of a previously identified significant impact to mineral resources.

EIR/EIS Section	Summary of Potential Impacts
Noise	<p><i>No Change.</i> The requested refinements to the Domingo Lake and Jewel Valley construction yards will be utilized in accordance with the uses approved for the temporary workspace for the underground transmission alignment and/or staging areas and fly yards. As previously mentioned, the area of the shifted Domingo Lake Construction Yard will be reduced by approximately 0.4 acre compared to the approved yard. Thus, fewer ground-disturbing activities will be required, and less noise will result at the shifted Domingo Lake Construction Yard. The proposed temporary access road, temporary distribution tap, and entrance to the unpaved access road located north of the Jewel Valley Construction Yard will require a total of approximately 0.24 acre of additional ground disturbance, which will result in additional noise impacts. However, construction at each of these refinement areas will be temporary and short-term, generally in areas already approved for disturbance. In addition, the impacts to noise will be similar to those analyzed for construction of the 138 kV transmission line. The requested refinement areas also will not be located within closer proximity to any residences or sensitive receptors. Therefore, the requested refinements will not result in new significant impacts or a substantial increase in the severity of a previously identified significant impact to noise.</p>
Population and Housing	<p><i>No Change.</i> The requested refinement areas will be utilized in accordance with the uses approved for the temporary workspace for the underground transmission alignment and/or Project staging areas and fly yards. In addition, these refinement areas, with the exception of the new steel pole to be installed in line with an existing distribution circuit located along Jewel Valley Road, will be used temporarily during construction of the Project and will not induce population growth or displace people or existing housing. Thus, there will be no change in impacts to population and housing as a result of the requested refinements.</p>
Public Services	<p><i>No Change.</i> The requested refinement areas will be utilized in accordance with the uses approved for the temporary workspace for the underground transmission alignment and/or Project staging areas and fly yards. The refinements will not disrupt existing utility systems or cause a co-location accident, nor will they increase the need for public services/facilities, require additional water supplies, or impact the wastewater treatment provider or solid waste disposal site's capacity. Therefore, there will be no change in impacts to public services as a result of the requested refinements.</p>
Recreation	<p><i>No Change.</i> The requested refinements will be located adjacent to the approved Domingo Lake and Jewel Valley construction yards and will extend to a distance of no more than 600 feet from each construction yard. The refinement areas will be utilized in accordance with the uses approved for the temporary workspace for the underground transmission alignment and/or Project staging areas and fly yards. As provided on page D.5-35 of the Final EIR/EIS, the underground transmission alignment would traverse trail corridors included in the Boulevard Community Trails and Pathways Plan near the Domingo Lake and Jewel Valley construction yards. However, San Diego Gas & Electric Company (SDG&E) consulted with the San Diego County Department of Parks and Recreation on October 18, 2012 regarding potential access restrictions to wilderness and recreation areas, and San Diego County confirmed that no official trails or recreation areas are located in the Project area. In addition, the refinements will not increase local population or housing and will not increase demand for recreational facilities. As a result, the requested refinements will not impact any recreational areas, and there will be no change in impacts to recreation.</p>

EIR/EIS Section	Summary of Potential Impacts
Transportation and Traffic	<p><i>No Change.</i> The requested refinement areas will be located adjacent to the approved Domingo Lake and Jewel Valley construction yards and will extend to a distance of no more than 600 feet from each construction yard. The refinement areas will be utilized in accordance with the uses approved for the temporary workspace for the underground transmission alignment and/or staging areas and fly yards. The equipment utilized to install the new steel pole located adjacent to Jewel Valley Road will be staged within the road shoulder. No lane closures or impacts to traffic are anticipated, but if temporary unloading and/or loading of equipment along the shoulder is necessary, appropriate traffic control will be implemented. The addition of general construction activities taking place at the yards, in addition to helicopter activities, will result in additional equipment and vehicles traveling to and from these yards. However, while the ground traffic at these specific locations will increase, the amount of overall traffic for the Project will remain consistent with the amount described in the Final EIR/EIS. In addition, the locations of these activities will be more widely dispersed throughout the Project site as a result of the refinements, and impacts to transportation and traffic will remain at a less-than-significant level. Therefore, the requested refinements will not result in new significant impacts or a substantial increase in the severity of a previously identified significant impact to transportation and traffic.</p>
Utilities and Service Systems	<p><i>No Change.</i> The requested refinements will be located adjacent to the approved Domingo Lake and Jewel Valley construction yards and will extend to a distance of no more than 600 feet from each construction yard. The refinements will be utilized in accordance with the uses approved for the temporary workspace for the underground transmission alignment and/or staging areas and fly yards. The temporary distribution tap at Jewel Valley Construction Yard will supply power to the construction yard from an existing distribution line through a 12 kV distribution conductor during construction of the Project. The power needed to supply the construction yard through the temporary distribution tap will be temporary and short-term in nature; therefore, no permanent utilities or service systems will impacted or required to be constructed due to the presence of the distribution tap. As a result, there will be no change in impacts to utilities and service systems due to the requested refinements.</p>

ATTACHMENT B: PHOTOGRAPHS

ATTACHMENT B: PHOTOGRAPHS



Photograph 1: View of shifted Domingo Lake Construction Yard site, facing northeast



Photograph 2: View of shifted Domingo Lake Construction Yard site, facing southwest



Photograph 3: Proposed Jewel Valley Construction Yard access road site, facing south



Photograph 4: Proposed temporary steel pole location west of the approved Jewel Valley Construction Yard site, facing east

ATTACHMENT C: SITE MAPS

Figure 1: Domingo Lake Construction Yard Refinement

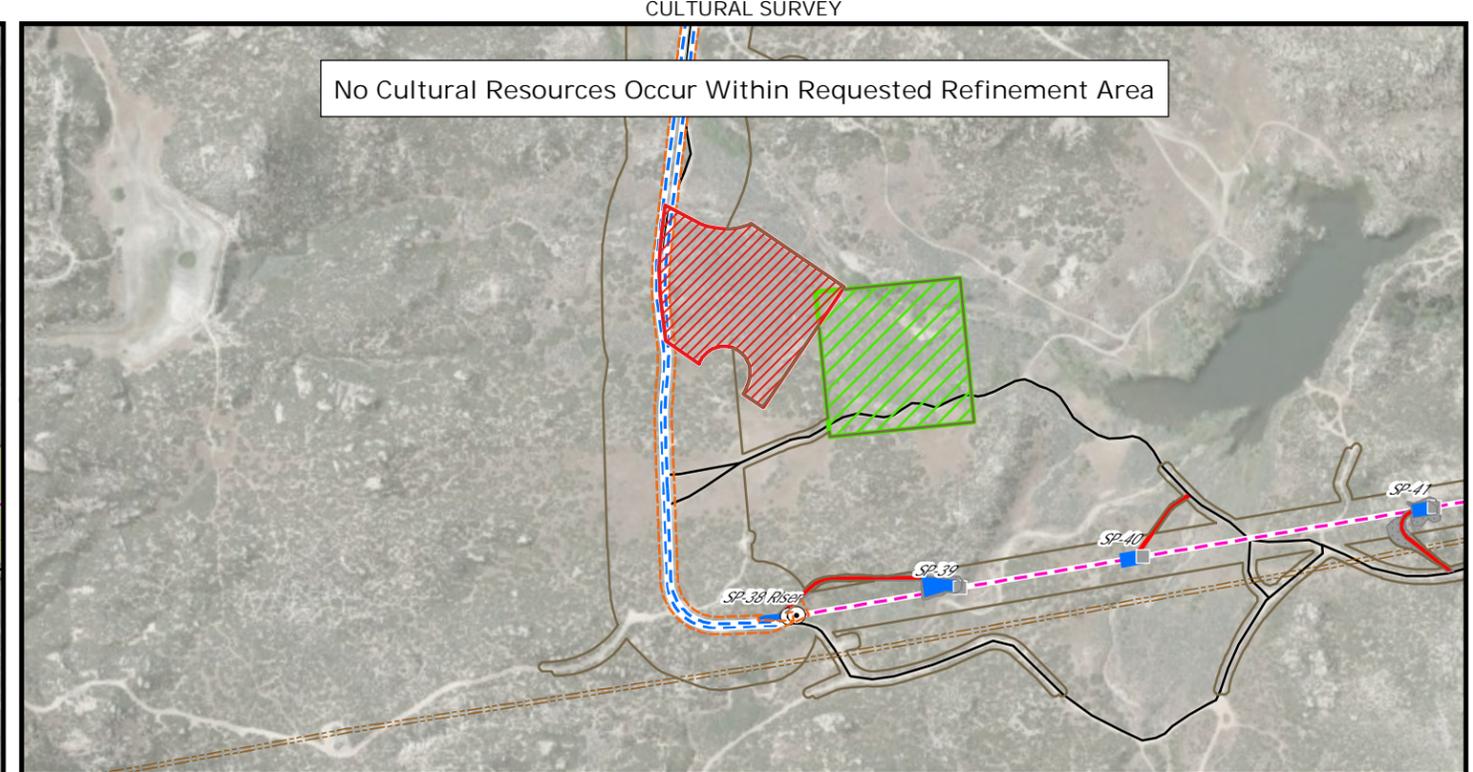
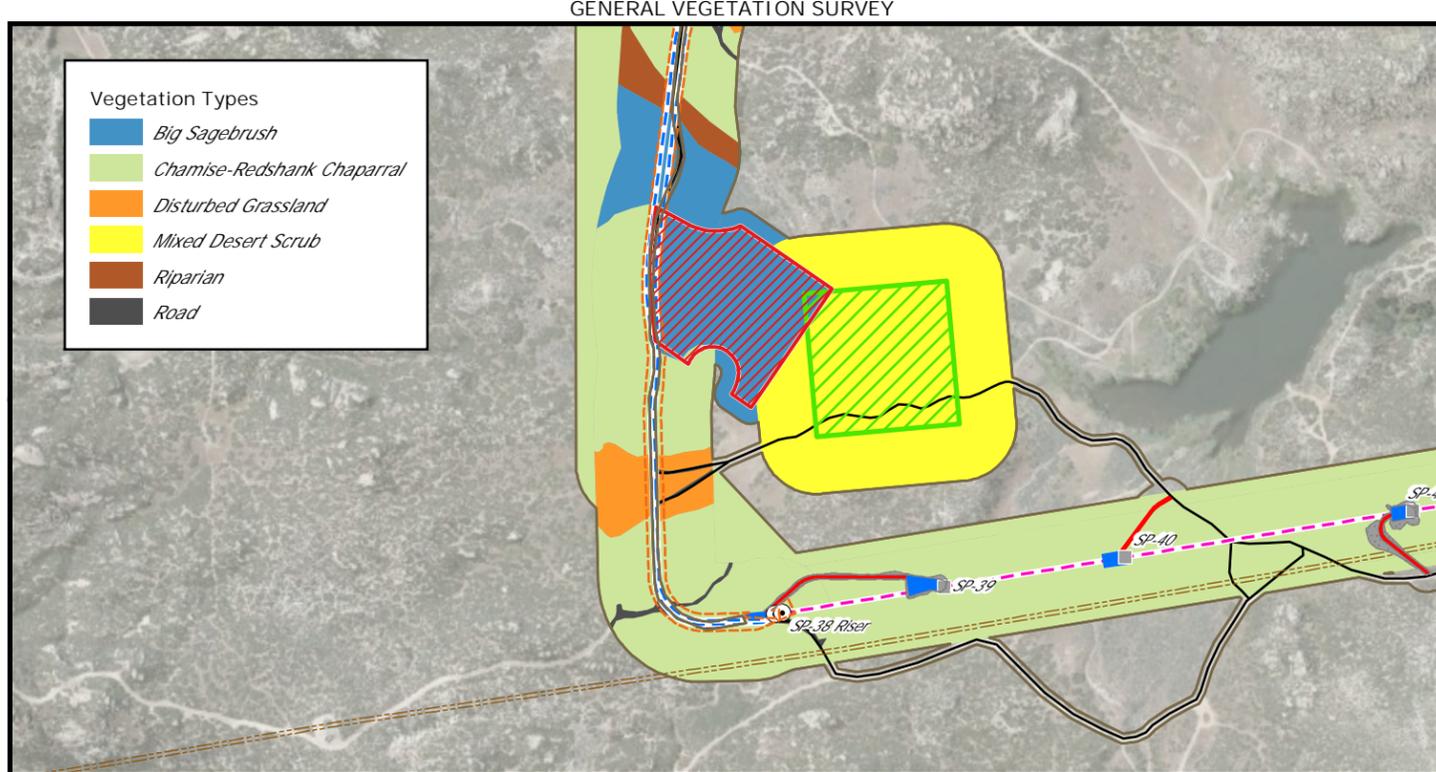
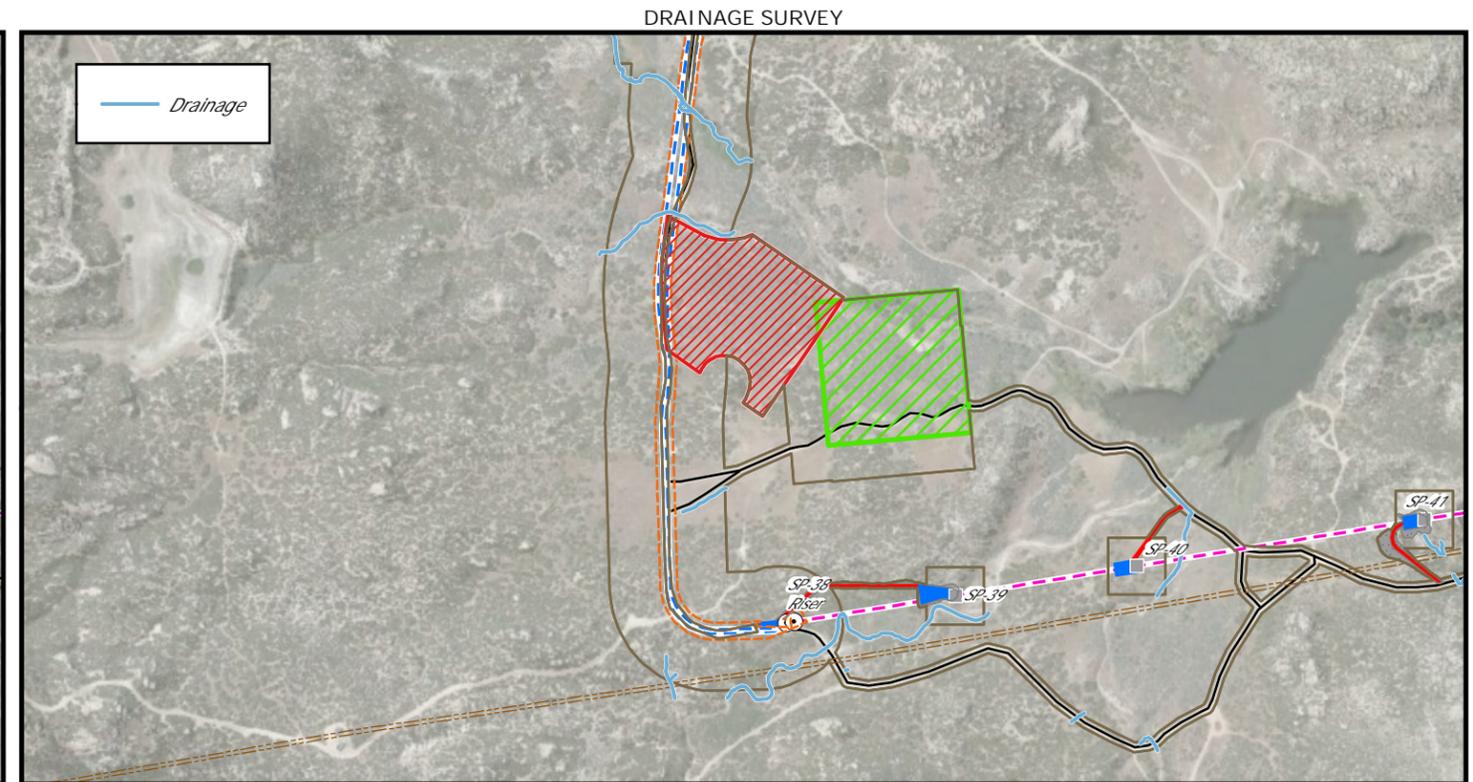
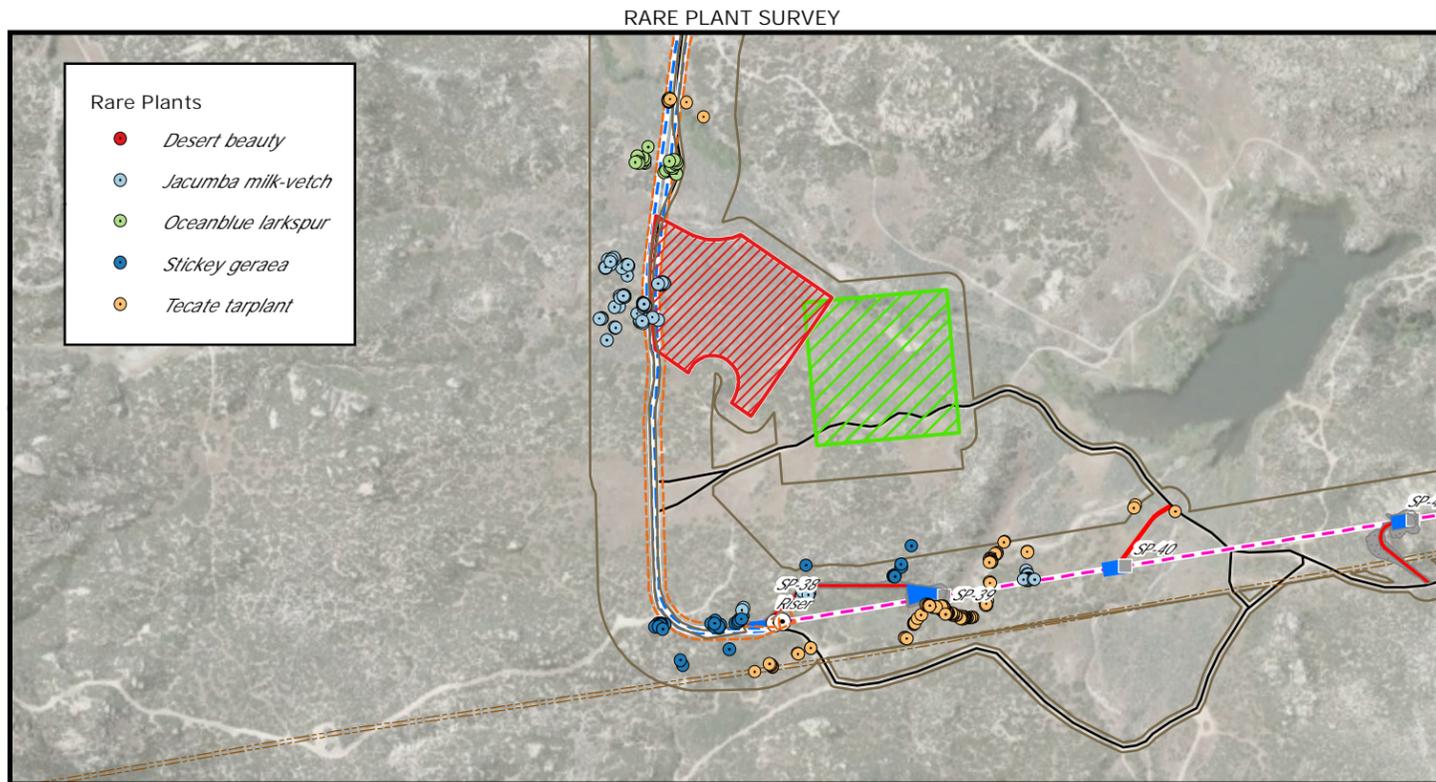
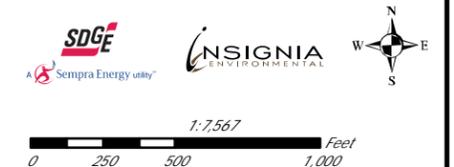
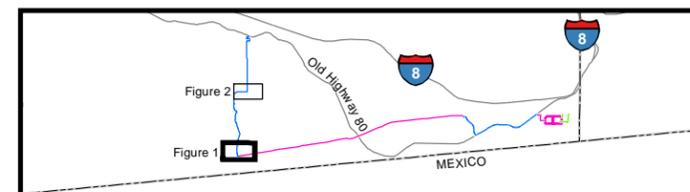


Figure 1: Domingo Lake Construction Yard Refinement

East County Substation Project



*The existing roads depicted on these maps represent an approximation of the road center. All surveys were conducted using an appropriate buffer from the actual road shoulder.

Figure 2: Jewel Valley Construction Yard Refinement

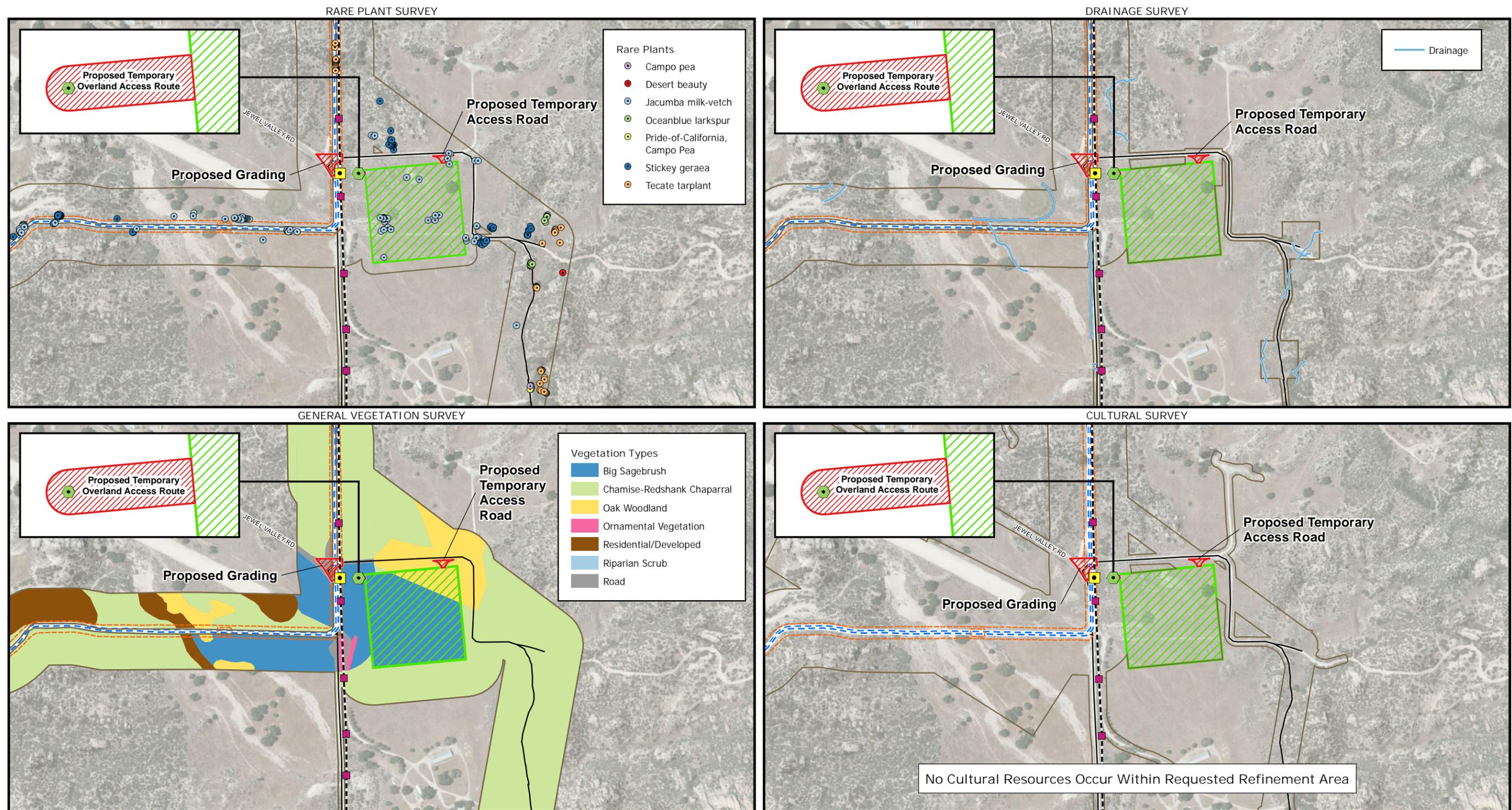
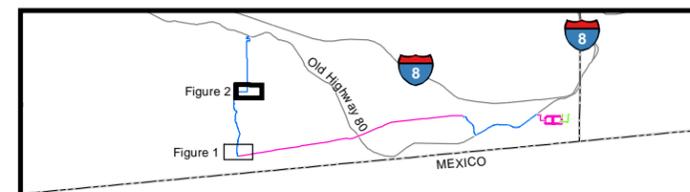


Figure 2: Jewel Valley Construction Yard Refinement

East County Substation Project

- Permanent Steel Pole
- Temporary Steel Pole
- Requested Refinement
- Approved Fly Yard
- Survey Area
- Proposed 138 kV Underground
- Permanent Right-of-Way
- Existing Access Road Centerline*
- Existing Distribution Pole
- Existing Distribution



SDGE
A Sempra Energy utility

INSIGNIA
ENVIRONMENTAL

1:6,000

0 250 500 1,000 Feet

*The existing roads depicted on these maps represent an approximation of the road center. All surveys were conducted using an appropriate buffer from the actual road shoulder.

ATTACHMENT D: EIR/EIS STUDY AREA TABLE

ATTACHMENT D: EIR/EIS STUDY AREA TABLE

Environmental Impact Report/Environmental Impact Statement (EIR/EIS) Study Area Table

Resource	Study Area from Final EIR/EIS	Location in Final EIR/EIS
Biological Resources	<ul style="list-style-type: none"> • Six parcels (498 acres total) on which the East County (ECO) Substation/Southwest Powerlink (SWPL) loop-in are located • 400-foot-wide corridor along the originally proposed 13.3-mile-long 138 kilovolt (kV) overhead transmission alignment, between the proposed ECO and Boulevard substation sites • Existing Boulevard Substation (within the fenced limits) • 8.5-acre Boulevard Substation Rebuild site • 377-acre alternative ECO Substation site¹ • 40 feet from the edge of the disturbed road on each side of the Old Highway 80 – Carrizo Gorge Road underground transmission line route alternative (ECO Partial Underground 138 kV Transmission Route Alternative) • 60-foot-wide corridor along the SWPL to Boulevard portion of the ECO Partial Underground 138 kV Transmission Route Alternative 	<ul style="list-style-type: none"> • Page D.2-3 • Figures D.2-1 through D.2-3 • Proponent’s Environmental Assessment (PEA) Page 4.4-3 • Page C-25 • Old Highway 80 – Carrizo Gorge Road Reroute Biological Resources and Jurisdictional Drainages Surveys Summary Report • Figure A-3 of San Diego Gas & Electric Company’s comments on the Draft EIR/EIS
Visual Resources	Within five miles of the ECO Substation Project (Project) components and alternatives	Page D.3-3
Land Use	Land underlying and directly adjacent to the Project components and alternatives	Page D.4-1
Wilderness and Recreation	Recreation areas and facilities in southeastern San Diego and southwestern Imperial counties	<ul style="list-style-type: none"> • Page D.5-1 • Figure D.5-1B
Agriculture	All California Department of Conservation Farmland Mapping and Monitoring Program agricultural land in San Diego County	Pages D.6-1 and D.6-2

¹ The approved ECO Substation site is located approximately 700 feet east of the originally proposed location on three parcels totaling 377 acres. Additional information regarding the ECO Substation Alternative Site is provided on page C-25 of the Final EIR/EIS.

Resource	Study Area from Final EIR/EIS	Location in Final EIR/EIS
Cultural and Paleontological Resources	0.5-mile radius from Project components and approved alternatives ²	<ul style="list-style-type: none"> • Pages D.7-2 through D.7-4 regarding information used (distance provided in the PEA section) • Pages C-25 through C-27
Noise	<ul style="list-style-type: none"> • Distance from closest property line or sensitive receptor from each Project component, including the following: <ul style="list-style-type: none"> - Approximately 500 feet from ECO Substation site - Approximately 1,320 feet from SWPL Loop-in site - Approximately 235 feet from the 138 kV transmission line - Approximately 500 feet from the Boulevard Substation site 	Pages D.8-4 and D.8-5
Transportation and Traffic	<ul style="list-style-type: none"> • Roads in the Project vicinity, including the following: <ul style="list-style-type: none"> - Interstate 8 - State Route 94 - Old Highway 80 - Ribbonwood Road - McCain Valley Road - Tule Jim Lane - Jacumba National Cooperative - Carrizo Creek Road - Carrizo Gorge Road - Jewel Valley Road - Several unnamed dirt roads throughout the Project area • San Diego and Arizona Eastern Railway • Jacumba Airport and Empire Ranch airstrip • San Diego Metropolitan Transit Service Bus Route 888, providing service between El Cajon and Jacumba, California 	Figures D.9-1A and D.9-1B

² The approved alternatives include the ECO Substation Alternative Site, as well as the ECO Partial Underground 138 kV Transmission Route Alternative alignments. Additional information regarding the approved alternative areas is provided on pages C-25 through C-27 of the Final EIR/EIS.

Resource	Study Area from Final EIR/EIS	Location in Final EIR/EIS
Public Health and Safety	Within two miles of the ECO Substation site and approximately 14-mile-long overhead transmission line alignment	<ul style="list-style-type: none"> • Page D.10-2 • Page ES-1 of the Phase I Environmental Site Assessment of the 377-acre ECO Substation site parcels • Page 5 of the Limited Phase I Environmental Site Assessment for the transmission alignment
Air Quality	San Diego Air Basin	Page D.11-6
Water Resources	Colorado River Basin	Page D.12-2
Geology, Mineral Resources, and Soils	<ul style="list-style-type: none"> • Within 40 miles for faults • Within 0.5 mile of land underlying Project components and alternatives 	Page D.13-1, Figure D.13-1
Public Services and Utilities	<ul style="list-style-type: none"> • Within 60 miles for landfills • Within five miles for all other public services and utilities 	Page D.14-27
Fire and Fuels Management	Greater eastern San Diego County	Page D.15-1, Figures D.15-1A and D.15-1B
Social and Economic Conditions	Mountain Empire Subregion (Jacumba, Boulevard, Tecate, Potrero, and Campo)	Page D.16-2
Environmental Justice	Mountain Empire Census County Division	Page D.17-1
Climate Change	California	Page D.18-2