EAST COUNTY SUBSTATION PROJECT

MINOR PROJECT REFINEMENT REQUEST FORM

Date Submitted:	08-16-13	**Request #:**	7
Date Approval Required:	08-21-13	**Landowner:**	San Diego Gas & Electric Company (SDG&E)
APN:	66105004		

Refinement from (check all that apply):

☐ Mitigation Measure	☐ APM	☑ Project Description	☐ Drawing	☐ Other

Identify source (mitigation measure, project description, etc.):

Figures B-3 and B-4 in the Project Description of the Final Environmental Impact Report/Environmental Impact Statement (EIR/EIS) for the East County (ECO) Substation Project (Project) depict the approved location of the ECO Substation and the locations of the two permanent detention basins to be constructed adjacent to the 230/138 kilovolt (kV) yard at the ECO Substation site. Page B-11 of the Final EIR/EIS describes the specifications of the permanent detention basins and how they will be used to facilitate drainage of the site and store water during construction. Page 10 of Attachment A: Updated Project Description and ECO Substation Alternative Site—which was submitted to the California Public Utilities Commission (CPUC) on March 4, 2011, as part of SDG&E's comments on the Draft EIR/EIS—describes that only one permanent detention basin will be constructed at the ECO Substation site and will be located along the western and southwestern edges of the 230/138 kV substation yard. In addition, Minor Project Refinement (MPR) request #1—which was approved by the CPUC on February 7, 2013—authorized the installation of a temporary retention basin lined with polyvinyl chloride (PVC) in the 500 kV substation yard to be used for water storage during mass grading of the ECO Substation. The information in this MPR request form addresses a proposed refinement regarding the relocation of the temporary, PVC-lined retention basin—which is currently located within the southwestern quadrant of the 500 kV substation yard—to the eastern half of the 500 kV substation yard. The relocated temporary retention basin will continue to be used for water storage during mass-grading activities, which will occur during the site-development phase of the ECO Substation. After the completion of mass grading, the basin will continue to be used for construction water storage during the below-grade construction phase. Once below-grade construction activities at the ECO Substation site are complete, the relocated temporary retention basin will be removed.

Attachments (check all that apply):

☑ Refinement Screening Form (provided as Attachment 1: Minor Project Refinement Request Screening Form)	☐ Photos	☑ Maps (provided as Attachment 2: Site Map)	☐ Other

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).

(a) Is the proposed refinement outside the geographic boundary of the EIR/EIS study area? No. The relocated temporary retention basin will be located within the boundaries of the approved ECO Substation permanent footprint. Figure 1: ECO Substation Relocated Temporary Retention Basin in Attachment 2: Site Map depicts the approved ECO Substation site boundaries, which are located within the EIR/EIS study area.

(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. See Attachment 1: Minor Project Refinement Request Screening Form for the detailed assessment.

(c) Does the proposed refinement conflict with any mitigation measure or applicable law or policy? No.

(d) Does the proposed refinement trigger an additional permit requirement? No.

Describe refinement being requested (attach drawings and photos as needed):

The existing temporary, PVC-lined retention basin was described and evaluated in the approved MPR request #1. The approved detention basins at the ECO Substation site were described in detail on Page B-11 of the Final EIR/EIS. As part of this MPR request, SDG&E proposes to relocate the temporary, PVC-lined retention basin—which is currently located within the southwestern quadrant of the 500 kV substation yard—to the eastern half of the 500 kV substation yard at the ECO Substation site for water storage during the mass grading of the 500 kV substation yard and finish grading of the 230/138 kV substation yard as part of the site-development phase of the ECO Substation. Following the completion of the site-development phase, SDG&E plans to maintain the proposed temporary retention basin to store construction water for the below-grade phase of construction, including trench, conduit, foundation, and grounding installation activities. Upon completion and filling of the proposed relocated temporary retention basin, SDG&E also proposes to remove the existing temporary retention basin, as approved in MPR request #1. The waste materials generated from the removal of the original temporary retention basin will be reused and/or disposed of in accordance with the Project's Hazardous Materials and Waste Management Plan (HMWMP).

The proposed relocated temporary retention basin will be larger in dimension but shallower in depth when compared to the existing temporary retention basin it replaces. It will measure approximately 265 feet by 225 feet when measured from the outside edges of the berm, with a depth of approximately eight feet, and will have a capacity of approximately 1.3 million gallons, which is less than the existing temporary retention basin's capacity of two million gallons. The basin will be fenced and located entirely within the approved boundaries of the ECO Substation permanent footprint. Following the completion of mass grading, site development, and below-grade construction, the relocated temporary retention basin will be removed and the materials will be disposed of in accordance with the Project's HMWMP.

Attachment 2: Site Map depicts the locations of the approved permanent detention basin and the proposed relocated temporary retention basin.

Provide need for refinement (attach drawings and photos as needed):

This MPR request has been prepared as a result of the need to relocate the existing temporary retention basin (as approved in MPR request #1) due to the larger than expected concentration of alluvium present adjacent to and extending under the pond. The proposed relocation of the existing temporary retention basin at the ECO Substation site is needed to allow SDG&E's contractors to drain and remove the retention basin structure, remove the alluvium underneath it, and replace it with the proper engineered fill. The existing temporary retention basin will be left in place and will continue to be used to provide construction water for dust control and compaction while the relocated temporary retention basin is being developed. Once developed and filled to capacity, the existing basin will be removed. The newly relocated temporary retention basin will provide construction water to support dust control and compaction for the mass grading of the 500 kV substation yard, which is anticipated to be completed in approximately two months. The relocated temporary retention basin will remain in place throughout the development of the ECO Substation site, which is anticipated to be completed at the end of April 2014.

MPR request #1 discussed that, upon completion of mass grading, the temporary retention basin would be removed and portions of the permanent detention basin adjacent the 230/138 kV substation yard would be lined to store construction water. SDG&E's grading contractor has determined this option is no longer feasible due to the large number of modifications to the permanent detention basin that would be required, which include delaying installation of drainage pipes, constructing a temporary dam within the detention basin, and creating new access for water trucks and tankers. Relocating the temporary retention basin and continuing to use it for the remainder of mass grading, as well as for site development, will minimize impacts to the Project's cost and schedule.

Figure 1: ECO Substation Relocated Temporary Retention Basin in Attachment 2: Site Map depicts the location of the ECO Substation site, the approved permanent detention basin, the approved temporary retention basin, and the proposed relocated temporary retention basin.

Date refinement is expected to be implemented:	Construction of the proposed relocated temporary retention

	basin is expected to begin on August 22, 2013.

SDG&E Approvals

Title	Name	Approval Initials	Date	Conditions (see attached)	
Project Manager	Matt Huber	MH		☐ Yes	☑ No
Project Manager	Don Houston	DH		☐ Yes	☑ No
Environmental Manager	Kirstie Reynolds	KR		☐ Yes	☑ No
Cultural Resource Specialist	Nikki Morgan	NM		☐ Yes	☑ No

Landowner Approval (if required)

Landowner Name	Signature or Other Consent (see attached)	Date
SDG&E	Not Applicable (N/A)	N/A

Resource Agency Coordination

Resource Agency	Name	Action Required	Date	Documentation (see attached if yes)	
N/A	N/A	N/A	N/A	☐ Yes	☐ No

ATTACHMENT 1: 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 Final EIR/EIS.

EIR/EIS Section	Summary of Potential Impacts
Visual Resources	*No Change*. The proposed relocated temporary retention basin will be constructed and utilized consistent with the activities described in the Final EIR/EIS for the East County (ECO) Substation site. The area of the proposed relocated temporary retention basin will measure approximately 59,625 square feet (1.3 acres) within the approved ECO Substation footprint and will be fenced. The fence around the proposed relocated temporary retention basin will be an approximately six-foot-tall, gray, galvanized steel chain-link fence, similar to the fence to be constructed around the ECO Substation site prior to energization. The ECO Substation fence is described on Page B-10 of the Final EIR/EIS and on Page 3 of the ECO Substation Project's (Project's) Surface Treatment Plan. The relocated temporary retention basin and associated activities will be contained within the boundaries of the approved ECO Substation site, and will be consistent with the impacts analyzed for construction of the ECO Substation. In addition, construction of the relocated temporary retention basin is short term and it will be removed following the completion of the site-development and below-grade construction phases of the ECO Substation site. Therefore, the requested refinement will not result in a new, significant impact nor a substantial increase in the severity of a previously identified impact to visual resources, which was evaluated as significant and unable to be mitigated to less than significant (Class I) in the Final EIR/EIS.
Agriculture	*No Change*. The proposed relocated temporary retention basin will be located entirely within the boundaries of the approved ECO Substation site. Construction and utilization of the relocated temporary retention basin will not encroach onto the agricultural land, nor will they restrict any agricultural activities that occur on the land. Therefore, the requested refinement will not result in a new, significant impact nor a substantial increase in the severity of a previously identified impact to agricultural resources, which was evaluated as less than significant (Class III) in the Final EIR/EIS.

EIR/EIS Section	Summary of Potential Impacts
Air Quality	*Slight Increase*. The activities that will occur during construction and utilization of the proposed relocated temporary retention basin include the activities discussed in the Final EIR/EIS for the ECO Substation site. The area of the proposed relocated temporary retention basin will measure approximately 1.3 acres within the approved ECO Substation footprint. No additional vegetation removal or permanent grading will be required in this area beyond what was previously analyzed in the Final EIR/EIS for construction of the ECO Substation site. No additional heavy equipment will be mobilized in order to construct the relocated temporary retention basin. The relocated temporary retention basin is anticipated to take approximately seven to 14 days to construct and will be utilized during site development and below-grade construction at the ECO Substation site, which is anticipated to last approximately 10 months. The Air Quality section of the Final EIR/EIS states that the ECO Substation component of the Project will generate dust and exhaust emissions of criteria air pollutants and toxic air contaminants due to the use of heavy equipment for site development. As described on Page D.11-22 of the Final EIR/EIS, water for dust control and other purposes during construction will be transported by water trucks from off-site locations within San Diego County, potentially as far away from the Project as the City of San Diego. The relocation of the temporary retention basin will not increase the number of water trucks utilized or the number of trips needed to obtain water for site-development activities beyond what was analyzed in the Final EIR/EIS and discussed in the Project's Amended Construction Water Supply Plan. No additional ground disturbance will be required for construction of the relocated temporary retention basin beyond what was analyzed in the Final EIR/EIS for construction of the ECO Substation. In addition, the Project-specific Dust Control Plan and mitigation measures related to limiting particulate matter and emissions will be implemented during construction of the proposed refinement; thus, the total emissions for the requested refinement will be minimal, and objectionable odors will not increase as a result of the refinement. Likewise, the relocated temporary retention basin will remain entirely within the ECO Substation site boundaries, and as a result, will not be located in closer proximity to any residences or sensitive receptors than what was described in the Final EIR/EIS for the ECO Substation. Therefore, the requested refinement will not result in a new, significant impact nor a substantial increase in the severity of a previously identified impact to air quality, which was evaluated as significant and unable to be mitigated to less than significant (Class I) in the Final EIR/EIS.
Climate Change	*Slight Increase.* Activities associated with construction and utilization of the requested refinement areas will be consistent with those discussed in the Final EIR/EIS for construction of the ECO Substation site. The Climate Change section of the Final EIR/EIS calculates the maximum annual construction-related greenhouse gas emissions to be approximately 9,000 metric tons of carbon dioxide equivalent ($MTCO_2E$) per year, which is well under the national Environmental Protection Agency threshold of 25,000 $MTCO_2E$ per year. The amount of heavy equipment utilized, the duration of use, and the number of trips needed to construct the proposed relocated temporary retention basin is not anticipated to increase substantially beyond what was analyzed in the Final EIR/EIS as a result of the requested refinement. Therefore, the emissions associated with the requested refinement will not trigger an exceedance of the greenhouse gas emissions threshold. As a result, the requested refinement will not result in a new, significant impact nor a substantial increase in the severity of a previously identified impact to climate change, which was evaluated as less than significant (Class III) in the Final EIR/EIS.

EIR/EIS Section	Summary of Potential Impacts
Biological Resources	*No Change*. The requested refinement area was included in previous reconnaissance surveys for the ECO Substation site, as well as vegetation, rare plant, and jurisdictional drainage surveys that were conducted for the Project. No special-status wildlife species are known to occur or were identified during any of the previous surveys within the requested refinement area. In addition, no sensitive plant species were identified in the requested refinement area during any of the rare plant surveys. Therefore, the requested refinement will not result in any adverse impacts to special-status wildlife or plant species. The proposed relocated temporary retention basin will be removed following the site-development and below-grade construction phases of the ECO Substation site. In addition, the requested refinement area had been previously identified and included in analysis of the impacts associated with construction of the ECO Substation and was arranged to be graded during construction of the substation. San Diego Gas & Electric Company (SDG&E) has compensated for impacts to vegetation communities associated with the substation construction as part of the Project's Compensatory Mitigation Plan, which has been approved by the California Department of Fish and Wildlife. Due to the addition of the relocated temporary retention basin, impacts to vegetation communities will not increase compared to the Project as a whole. In accordance with Applicant-Proposed Measure ECO-BIO-20 of the Project's Mitigation Monitoring, Compliance, and Reporting Program, wildlife escape ramps will also be constructed within the relocated temporary retention basin to allow entrapped wildlife to escape. As a result, the requested refinement will not result in a new, significant impact nor a substantial increase in the severity of a previously identified impact to biological resources, which was evaluated as significant but able to be mitigated to less than significant (Class II) in the Final EIR/EIS.
Cultural and Paleontological Resources	*No Change*. The requested refinement area was assessed in the August 2010 inventory report prepared by e^2M|HDR, the August 2011 eligibility report prepared by ASM Affiliates and the Research Design for Archaeological Data Recovery at CA-SDI-7074 (HPTP). The HPTP was approved by the Bureau of Land Management (BLM) on August 10, 2012, and was incorporated into the final Memorandum of Agreement (MOA), which was provided to the California Public Utilities Commission (CPUC) in August 2012. In accordance with the HPTP, data recovery and archaeological and Native American monitoring were conducted to mitigate adverse effects to cultural resources within the approved ECO Substation site, which includes the requested refinement area. The BLM approved the completion of the data recovery on December 21, 2012. In accordance with the MOA and Mitigation Measure CUL-1D of the Project's Mitigation Monitoring, Compliance, and Reporting Program, if any new ground-disturbing activities occur within the requested refinement area, an Archaeological Monitor and Native American Monitor will be present to monitor ground disturbance. In the event that potential cultural resources are encountered during construction or grading activities, an Archaeological Monitor will assess the discovery in accordance with the Monitoring, Post-Review Discovery, and Unanticipated Effects Plan, which was approved by the BLM on August 10, 2012, submitted to the CPUC on September 24, 2012, and revised in January 2013. The requested refinement is located within the approved ECO Substation site, and therefore is located within the same geological formation that was analyzed in the Final EIR/EIS. The paleontological monitoring requirements at the refinement area will remain consistent with the current requirements. Paleontological monitoring and the treatment of inadvertent fossil discoveries will be conducted in accordance with the Project's Paleontological Monitoring and Treatment Plan. Therefore, as described in the preceding paragraphs, the requested refinement will not

EIR/EIS Section	Summary of Potential Impacts
	result in a new, significant impact nor a substantial increase in the severity of a previously identified impact to cultural and paleontological resources, which were evaluated as significant but able to be mitigated to less than significant (Class II) in the Final EIR/EIS.
Geology, Mineral Resources, and Soils	*No Change*. The activities that will be performed at the requested refinement area will be conducted in accordance with the uses described in the Project's Final EIR/EIS for the ECO Substation site. No additional ground disturbance will be required to prepare the site. Use of the proposed relocated temporary retention basin will be short term during the mass-grading, site-development, and below-grade construction phases of the ECO Substation site, and will be conducted in accordance with the best management practices (BMPs) provided in the ECO Substation Storm Water Pollution Prevention Plan (SWPPP) to reduce the potential for erosion. There are no identified mines located within or in close proximity to the requested refinement areas. The ground-disturbing activities that will be required to construct the proposed relocated temporary retention basin will include grading and excavation of the existing soil, which is consistent with what is described in the Project's Final EIR/EIS. As a result, the requested refinement will not result in a new, significant impact nor a substantial increase in the severity of a previously identified impact to geology, mineral resources, and soils, which was evaluated as significant but able to be mitigated to less than significant (Class II) in the Final EIR/EIS.
Public Health and Safety; Fire and Fuels Management	*No Change*. The activities performed and the materials used during construction of the proposed relocated temporary retention basin will occur in accordance with the description of uses provided in the Project's Final EIR/EIS for the ECO Substation site. Construction of the relocated temporary retention basin may include the 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 (HMWMP). The use of these materials was previously included in the Final EIR/EIS and Proponent's Environmental Assessment analysis for the approved ECO Substation and permanent detention basin; these and all other hazardous materials that will be used at the ECO Substation site will be handled and disposed of in accordance with the Project's HMWMP and the Health and Safety Program. The basin will be fenced to ensure worker safety. As a result, the requested refinement will not result in a new, significant impact nor a substantial increase in the severity of a previously identified impact to public health and safety or fire and fuels management, which was evaluated as significant but able to be mitigated to less than significant (Class II) in the Final EIR/EIS.
Water Resources	*No Change*. The requested refinement area was surveyed for drainages during the initial jurisdictional surveys that were conducted for the ECO Substation site. Impacts to jurisdictional drainages located within the ECO Substation site will be compensated through the implementation of the Project's Habitat Mitigation and Monitoring Plan and Compensatory Mitigation Plan during construction in accordance with the permit requirements. The proposed relocated temporary retention basin will be lined with polyvinyl chloride to prevent the stored water from entering the ground. In addition, the relocated temporary retention basin will be utilized in accordance with the description of uses provided in the Project's Final EIR/EIS for the ECO Substation site, and the BMPs provided in the ECO Substation SWPPP will be implemented to reduce the potential for storm water runoff. Therefore, the requested refinement will not result in a new, significant impact nor a substantial increase in the severity of a previously identified impact to water resources, which was evaluated as significant but able to be mitigated to less than significant (Class II) in the Final EIR/EIS.

EIR/EIS Section	Summary of Potential Impacts
Land Use	*No Change*. The requested refinement area will be utilized in accordance with the description of uses provided in the Project's Final EIR/EIS for the ECO Substation site. The temporary retention basin will be located entirely within the approved permanent footprint of the ECO Substation site and will be used temporarily during the mass-grading, site-development, and below-grade construction phases, and will be removed after these activities are complete. Therefore, the requested refinement will not result in a new, significant impact nor a substantial increase in the severity of a previously identified impact to land use, which was evaluated as significant but able to be mitigated to less than significant (Class II) in the Final EIR/EIS.
Noise	*Slight Increase*. The proposed relocated temporary retention basin will be utilized in accordance with the description of uses provided in the Project's Final EIR/EIS for the ECO Substation site. The only additional noise-generating activities that will result from the refinement include the use of heavy equipment for minimal grading/soil compaction for approximately seven to 14 days, which is required to prepare the refinement area and construct the retention basin. Beyond what has already been mobilized to the ECO Substation site, no additional heavy equipment will be required to construct the relocated temporary retention basin. Following completion of the mass-grading, site-development, and below-grade construction activities, the relocated temporary retention basin will be removed and the ECO Substation will be constructed on the refinement area. Therefore, the approximately 1.3-acre area of ground disturbance for the construction of the temporary retention basin was analyzed as part of site development for the ECO Substation and will be disturbed regardless of the temporary presence of the relocated retention basin. The use of heavy equipment for preparation of the refinement area will result in minimal and short-term additional noise impacts; however, the nearest sensitive receptor—a mobile home—is located approximately 2,600 feet (0.5 mile) from the site. Therefore, the requested refinement will not result in a new, significant impact nor a substantial increase in the severity of a previously identified impact to noise, which was evaluated as significant and unable to be mitigated to less than significant (Class I) in the Final EIR/EIS.
Social and Economic Conditions	*No Change*. The requested refinement will be constructed in accordance with the description of uses provided in the Project's Final EIR/EIS. The requested refinement will not result in any displaced residences, and will be constructed within SDG&E-owned property. The requested refinement will not require additional employment of construction personnel beyond what was analyzed in the Final EIR/EIS, and the requested refinement to the ECO Substation site will not induce population growth nor displace people. Therefore, the requested refinement will not result in a new, significant impact nor a substantial increase in the severity of a previously identified impact to social and economic conditions, which was evaluated as less than significant (Class III) in the Final EIR/EIS
Public Services and Utilities	*No Change*. The proposed relocated temporary retention basin will be utilized in accordance with the description of uses provided in the Project's Final EIR/EIS for the ECO Substation site. The refinement will not disrupt existing utility systems or cause a co-location accident, nor will it 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, the requested refinement will not result in a new, significant impact nor a substantial increase in the severity of a previously identified impact to public services and utilities, which was evaluated as significant but able to be mitigated to less than significant (Class II) in the Final EIR/EIS.

EIR/EIS Section	Summary of Potential Impacts
Wilderness and Recreation	*No Change*. The proposed relocated temporary retention basin will be located within the boundaries of the approved ECO Substation site. As provided in the Final EIR/EIS, the nearest recreation area to the ECO Substation is the In-Ko-Pah Park, which is located approximately 1.2 miles northeast of the ECO Substation, on the north side of Interstate 8. The refinement will not increase demand for recreational facilities in the ECO Substation area. The requested refinement will not be located in closer proximity nor obstruct access to any wilderness or recreational areas. Therefore, the requested refinement will not result in a new, significant impact nor a substantial increase in the severity of a previously identified impact to wilderness and recreation, which was evaluated as significant but able to be mitigated to less than significant (Class II) in the Final EIR/EIS.
Transportation and Traffic	*No Change*. The location of the proposed relocated temporary retention basin will be within the boundaries of the approved ECO Substation site. The only vehicles or heavy equipment that will be utilized for the relocation of the temporary retention basin are those that are already required for vegetation clearing and the grading/soil compaction activities necessary to prepare the ECO Substation site for use. As previously discussed, the addition of a relocated temporary retention basin will not increase the number of water trucks utilized or number of trips needed to obtain water for site-development activities beyond what was analyzed in the Final EIR/EIS. Therefore, the requested refinement will not result in a new, significant impact nor a substantial increase in the severity of a previously identified impact to transportation and traffic, which was evaluated as significant but able to be mitigated to less than significant (Class II) in the Final EIR/EIS.

ATTACHMENT 2: SITE MAP

Figure 1: ECO Substation Relocated Temporary Retention Basin

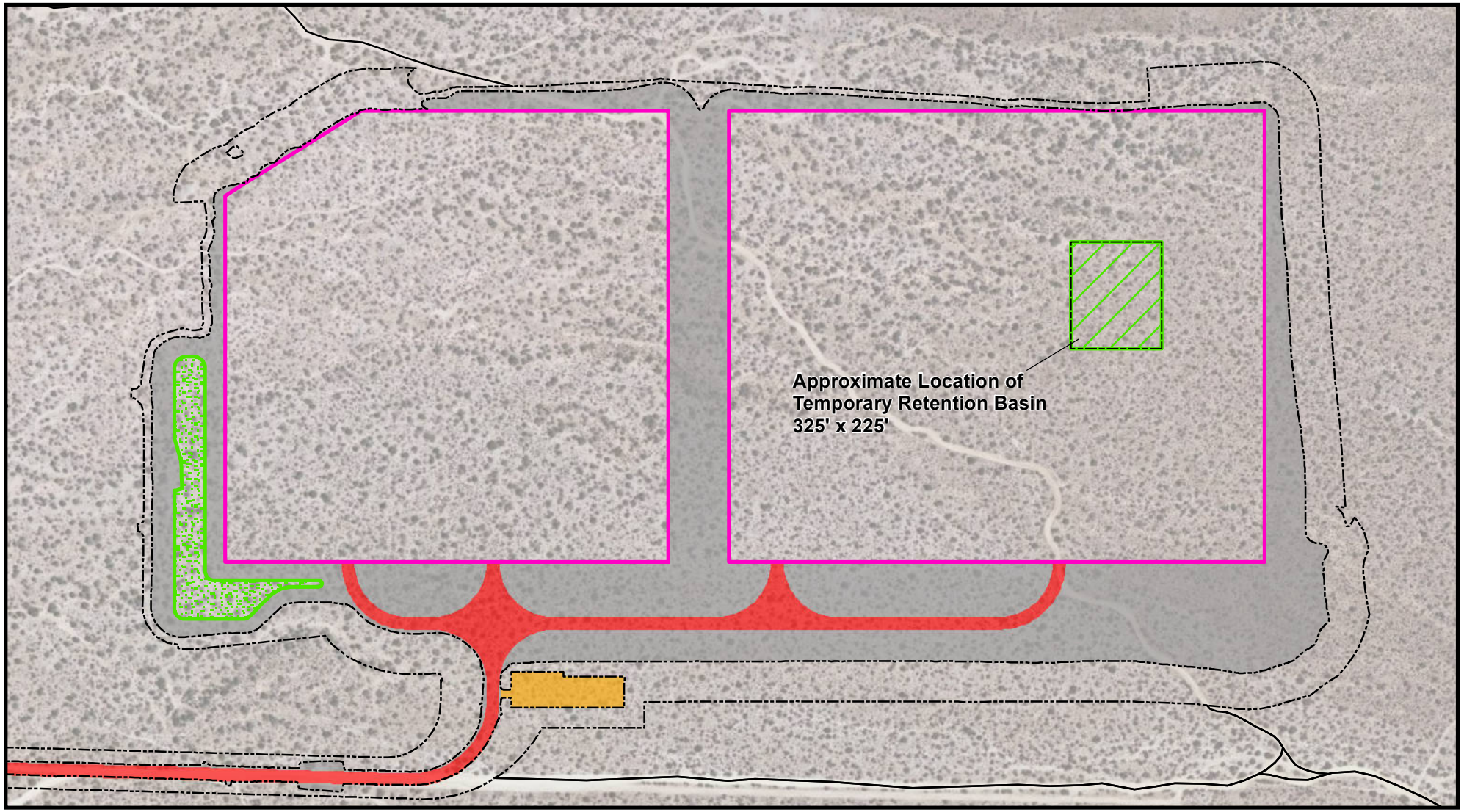
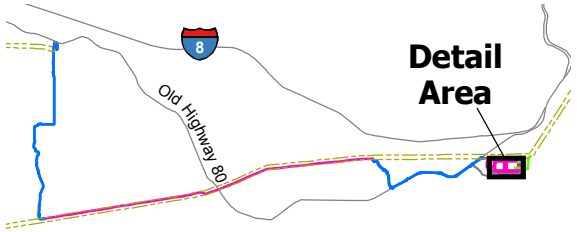


Figure 1: ECO Substation Temporary Retention Basin

East County Substation Project

- Existing Access Road Centerline
- Temporary Retention Basin
- Permanent Retention Basin
- ECO Substation Pad
- Grading
- Proposed Access Road
- Temporary Construction Area



SDGE A Sempra Energy utility

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