

CALIFORNIA COASTAL COMMISSION

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**F7a**

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Staff: K.Huckelbridge-SF
Staff Report: 5/22/15
Hearing Date: 6/12/15

STAFF REPORT: MATERIAL AMENDMENT

Application No.: 9-13-0344-A1

Applicant: Southern California Gas Company

Location: La Goleta Natural Gas Storage Facility, west of State Highway 217, east of Moffett Place and north of Sandspit Rd., Goleta, Santa Barbara County (Exhibits 1 and 2)

Project Description: Construction of a temporary ramp off Highway 217 to an existing access road to conduct pipeline repair and maintenance activities previously approved.

Staff Recommendation: Approval with Conditions

SUMMARY OF STAFF RECOMMENDATION

In August 2014 the Commission authorized the Southern California Gas Company (SCG) to replace 41 wooden pipeline supports and install 24 new steel and concrete supports along the existing above-ground pipelines (CDP 9-13-0344). While attempting to access one portion of the pipeline, SCG discovered that an existing bike path, approved as an access pathway to the pipeline, could not support the weight of the equipment necessary to install the new supports. SCG is therefore proposing to amend the project approved by the Commission to enable it to build a temporary ramp off of the Highway 17 access ramp down to the existing paved access road adjacent to the pipeline (Exhibits 3, 4 and 7).

The project consists of repair and maintenance activities. Under Coastal Act Section 30610 and the Commission's regulations, a permit is required for repair and maintenance activities that occur in or near environmentally sensitive habitat (ESHA) or in or near coastal waters. For such activities, the Commission reviews the proposed repair and maintenance activities for Coastal Act consistency, but not the underlying existing development (e.g., the existing pipelines).

The proposed temporary ramp has the potential to impact ESHA. The project is located in ESHA near the Goleta Slough (Exhibits 5 and 6), which provides important habitat for numerous wildlife and plant species. Project activities will involve trimming existing vegetation and placing road base material on an approximately 20-40 ft by 150 ft area (~0.12 acres). However, the immediate project area is already highly disturbed due to existing development and previously-permitted maintenance activities (CDP E-11-031). After approximately 7 weeks, the road base material will be removed and the area re-seeded with a native vegetation mix to encourage regrowth. Indirect impacts from erosion will be minimized through Best Management Practices. Because this is a repair and maintenance project, the Commission's review of the proposed amendment is limited to the method of repair and maintenance and does not extend to whether the underlying use is an allowed use in ESHA. As proposed, the amended project will have minor and short lived impacts to existing vegetation, and thus would not significantly degrade ESHA. In addition, as the Commission found previously, not performing these types of repairs would be more environmentally damaging to ESHA. The staff therefore recommends the Commission find the proposed amendment consistent with Section 30240.

In addition to ESHA, the entire project site is designated as wetlands (Exhibit 6). The project, as described above, is expected to temporarily impact 0.12 acres of wetlands. 0.035 acres of this impact is already being mitigated under CDP E-11-031. For the remaining 0.085 acres, SCG will revegetate the site and the Commission amends Special Condition 2 to add 1:1 mitigation for temporary impacts to 0.085 acres to the total wetland mitigation requirement under the original permit. Given the temporary nature and short duration of the expected impacts, 1:1 mitigation is appropriate and will result in an increase in higher quality wetland habitat available on the La Goleta site. As amended, the proposed repair and maintenance project remains consistent with the Coastal Act's wetland policy. The staff therefore recommends the Commission find the project consistent with Section 30233.

Staff recommends that the Commission **approve with conditions** the proposed amendment to CDP 9-13-0344.

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APPENDICES

Appendix A – Substantive File Documents

EXHIBITS

- Exhibit 1 – Regional Map
- Exhibit 2 – CDP 6-13-0344 Project Area
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- Exhibit 4 – Temporary Ramp Grading Plan
- Exhibit 5 – Plant Communities in Project Area
- Exhibit 6 – Jurisdictional Wetland Resources
- Exhibit 7 – Project Area Images

I. MOTION AND RESOLUTION

Motion:

*I move that the Commission **approve** the proposed amendment to Coastal Development Permit No. 9-13-0344 subject to the conditions set forth in the staff recommendation.*

Staff recommends a **YES** vote on the foregoing motion. Passage of this motion will result in conditional approval of the permit amendment and adoption of the following resolution and findings. The motion passes only by affirmative vote of a majority of the Commissioners present.

Resolution:

The Commission hereby approves Coastal Development Permit Amendment No. 9-13-0344-A1 and adopts the findings set forth below on grounds that the development as conditioned will be in conformity with the policies of Chapter 3 of the Coastal Act. Approval of the permit complies with the California Environmental Quality Act because either 1) feasible mitigation measures and/or alternatives have been incorporated to substantially lessen any significant adverse effects of the development on the environment, or 2) there are no further feasible mitigation measures or alternatives that would substantially lessen any significant adverse impacts of the development on the environment.

II. SPECIAL CONDITIONS

Special Condition 2 of CDP 9-13-0344 shall be modified as shown below (additions in underline deletions in strikethrough):

2. Wetland Mitigation. Within 90 days after the completion of project construction activities, the SCG shall submit to the Executive Director for review and approval a wetland restoration plan that assures mitigation for the permanent loss of wetland habitat at a 4:1 ratio. Temporary impacts to 0.085 acres of wetlands impacted under 9-13-0344-A1 shall be mitigated at a 1:1 ratio. This plan shall include:
 - (a) Documentation of the total areal extent of permanent wetland impacts associated with project activities.
 - (b) Identification of a restoration site in the vicinity of the project site.
 - (c) A description of restoration activities including specific methodologies for invasive species removal and native vegetation planting. The plan shall require the use of local container stock in place of seed or non-local sources, whenever possible.

- (d) Interim and final performance criteria for each of the three years of post-planting site monitoring that reflect a goal of achieving 90 percent vegetative cover of the restoration site with native species.
- (e) A monitoring plan that describes the type of monitoring activities that will be used to assess whether SCG is meeting the required wetland restoration performance criteria.
- (f) An adaptive management plan that includes contingency measures in case performance criteria are not achieved.
- (g) A timeline for restoration implementation, monitoring and reporting activities.

Compliance with this plan shall include annual monitoring and reporting to the Executive Director for three years. If at the completion of the three year monitoring and reporting period (dated from the completion of planting activities), the Executive Director determines that the performance criteria described within the plan have not been met, SCG shall submit, within 120 days of the Executive Director's determination, a new Restoration and Monitoring Plan for Executive Director review and approval.

III. FINDINGS AND DECLARATIONS

A. PROJECT DESCRIPTION/BACKGROUND

In two permit reviews the Commission has authorized the Southern California Gas Company (SCG) to conduct two phases of a pipeline repair and maintenance project at the La Goleta Natural Gas Storage Facility in Goleta, Santa Barbara County (Exhibit 1 and 2). The purpose of the project was to replace severely degraded wooden pipeline supports at risk of failure. The United States Department of Transportation required SCG to conduct this work to maintain the safety of its existing three natural gas pipelines (pursuant to 49 C.F.R. Part 192). The first phase, authorized under CDP E-12-006 in October 2012, consisted of soil sampling at nine locations along an existing above-ground pipeline to determine the feasibility of replacing the wooden supports. Based in part on the data obtained during the first phase, the second phase, authorized under CDP 9-13-0344 in August 2014, involved the replacement of 41 existing wooden support structures with 24 new steel and concrete support structures (Exhibit 3).

In the course of completing the work authorized under CDP 9-13-0344, SCG encountered problems accessing one section of the pipeline located on the east side of Highway 17 (Exhibits 3 and 7). As approved under CDP 9-13-0344, SCG had planned to access this portion of the pipeline through an existing paved road off of Moffett Place and Santa Barbara County's paved bike path. However, when SCG began to move equipment to this site, the paving on the bike path started to buckle and crack. SCG immediately removed the equipment and repaired the bike path. In order to use the bike path, SCG would need to re-engineer it to support the heavy weight of the necessary equipment. However, this would require closure of the bike path for about two months, and the County of Santa Barbara has indicated that any closure of the bike path is not acceptable.

As an alternative way to access the portion of the pipeline in need of repair that lies east of Highway 17, SCG proposes to build a temporary ramp off of the Highway 17 access ramp down to the existing paved access road adjacent to the pipeline (Exhibit 4). This would require SCG to cross the bike path at a single point adjacent to the highway, where structural analysis has indicated the bike path is the strongest. The proposed ramp would be approximately 20-40 feet wide and 150 feet long, with a slope of 5:1, and would involve placing approximately 195 cubic yards of road base material.

Once the temporary ramp is constructed, SCG would use it to access the pipeline to conduct repairs. This would involve driving several pieces of large equipment, including a crane, a crawler mounted carrier, a boom truck and a concrete pump down the ramp to the existing paved access road. All equipment can safely traverse the 20% slope proposed for the temporary ramp. Staging areas will remain as described in CDP 9-13-0344. Once the pipeline repairs are completed, SCG would use the temporary ramp to demobilize all equipment and then the ramp would be removed and the area restored to initial conditions. This would involve removing the road base material and underlying fabric. These materials would be transported to the main SCG equipment and facilities area and stored on site to be used as needed to maintain the Company's existing access roads. Portions of the ramp area would then be revegetated with a hydro-mulch native seed mixture representative of the existing plant community (see section C for additional details). The entire project, including pipeline repairs is expected to take approximately 7 weeks (2 weeks for construction of the ramp, 4 weeks for pipeline repair work, and one week for restoration of the temporary ramp).

B. OTHER AGENCY APPROVALS

California Department of Transportation

SCG filed for an Encroachment Permit for a traffic control plan for access to the project site from Highway 217. This permit is pending.

Santa Barbara County

SCG has filed for an Encroachment Permit to allow access to the bike path. This permit is pending. SCG has also filed a Land Use Permit Amendment (14 LUP-00347) that SCG expects to be acted on by the County after the Commission takes action on this CDP amendment. The purpose of this amendment is to incorporate the amended project description into the County's action authorizing a consolidated permit.

C. ENVIRONMENTALLY SENSITIVE RESOURCES

Section 30240 of the Coastal Act states:

- a) Environmentally sensitive habitat areas shall be protected against any significant disruption of habitat values, and only uses dependent on those resources shall be allowed within those areas.*

- b) Development in areas adjacent to environmentally sensitive habitat areas and parks and recreation areas shall be sited and designed to prevent impacts which would significantly degrade those areas, and shall be compatible with the continuance of those habitat and recreation areas.*

Section 30107.5 states:

“Environmentally sensitive area” means any area in which plant or animal life or their habitats are either rare or especially valuable because of their special nature or role in an ecosystem and which could be easily disturbed or degraded by human activities and developments.

Proposed project activities would occur in and near Goleta Slough, an area that consists largely of ESHA as defined by both the Coastal Act and the County LCP. Specifically, the project area, located adjacent to Atascadero Creek and to the east of Ward Memorial Blvd, is located in wetlands and is designated in the County’s LCP as ESHA. Because the project consists of repair and maintenance of existing facilities, and some of the structures being maintained are located in ESHA, there are no alternative locations for the project that could entirely avoid ESHA.

Although the project site is identified as ESHA, the vegetation is highly disturbed due to existing development and ongoing maintenance activities associated with the existing pipelines. On March 9, 2012, the Commission approved CDP E-11-031, authorizing SCG to conduct vegetation clearing within 10 feet of existing pipelines at 36 sites within SCG’s La Goleta Storage Facility. These vegetation maintenance activities satisfy pipeline safety requirements of the U.S. Department of Transportation (pursuant to 49 C.F.R. Part 192). Under E-11-031, SCG was required to mitigate these impacts through restoration of various types of habitat (i.e., coastal scrub upland, wetland, riparian, etc.) at a 1:1 mitigation ratio. To comply with the conditions of E-11-031, SCG submitted a Native Vegetation Restoration Plan to Commission staff in March 2012. Staff approved this Plan in April 2012 and has reviewed the first two restoration monitoring reports in November 2013 and 2014. This project is currently on track to meet performance standards within the required five year monitoring period. Portions of the proposed project site are included in this approved vegetation maintenance area (Exhibit 4).

Potential impacts from project activities proposed under this amendment consist of temporary impacts from placement of road material on existing vegetation and indirect impacts from erosion. Before the temporary ramp could be installed, SCG would trim existing upland vegetation on approximately 0.12 acres of land. The existing vegetation is predominated by non-native species such as Foxtail Barley (*Hordeum jubatum*), Wild Oat (*Avena fatua*), Mustard (*Brassica* sp.), and Poison Hemlock (*Conium maculatum*). Based on biological studies conducted during the first phase of the study, sensitive plant and wildlife species are not likely to occur in the project area. A portion of this area, approximately 0.035 acres, is already subject to regular vegetation removal and other maintenance activities authorized under CDP E-11-031 and is highly disturbed (Exhibit 4). Through approval of E-11-031, the Commission has already analyzed impacts to this vegetation and required SCG to mitigate these impacts with restoration of native habitat. The remainder of the area, approximately 0.085 acres, is not currently managed under CDP E-11-031, but is also highly disturbed, due to its proximity to areas that are actively managed, Highway 17 and the existing access road. This vegetation would be trimmed and then covered for approximately 7 weeks. At the conclusion of the project, SCG would hydroseed the impacted area with a native seed mix to encourage revegetation and inhibit erosion. In addition, SCG proposes to mitigate temporary impacts to wetlands within this 0.085

acre area through 1:1 mitigation (see Section D for additional discussion). This additional restoration will provide significantly higher quality habitat than what is present at the project site, largely due to its proximity to a much larger restoration site. Inclusion of this restoration area will thus improve the overall quality of habitat available at the La Goleta Natural Gas Facility site.

In addition to direct impacts to ESHA from removal of vegetation and soil, the proposed project could cause adverse impacts to ESHA from erosion. To minimize impacts to Atascadero Creek and surrounding wetland ESHA from erosion, SCG has proposed the following Best Management Practices:

- Installation of a silt fence with straw wattles to protect runoff from entering the Creek
- Delineation of work areas with fencing and/or signage to avoid impacts to surrounding vegetation
- Implementation of dust control measures, including applying water to dampen soils

With these measures in place, erosion from the site will be controlled, thus minimizing potential impacts to Atascadero Creek from excessive sedimentation.

In its review of the underlying repair and maintenance project (9-13-0344), the Commission found:

As described above, the proposed project is repair and maintenance of an existing pipeline. Thus, although, non-resource dependent development is proposed in ESHA, there are no alternative methods of accomplishing the proposed repair and maintenance project that will avoid ESHA, and the Commission is only able to review the method by which SCG carries out repair and maintenance. The Commission has conditioned the project to ensure that the method of repair and maintenance used by SCG limits impacts to ESHA to the maximum extent feasible and that the project will not significantly degrade ESHA. The repair and maintenance project is therefore consistent with Coastal Act Section 30240.

The Commission finds the proposed modification to SCG's repair and maintenance activity consistent with Section 30240 for similar reasons: as discussed in more detail in the following section, no alternative methods of accomplishing the proposed repair and maintenance project are available that would avoid or lessen impacts to ESHA, the project has been designed to ensure that the method of repair and maintenance used by SCG limits impacts to ESHA to the maximum extent feasible, and the project will not significantly degrade ESHA and will in fact increase the acreage of high quality habitat available for wildlife on the site. The Commission concludes the proposed repair and maintenance project is therefore consistent with Coastal Act Section 30240.

D. WETLANDS

Coastal Act Section 30233 states in relevant part:

(a) The diking, filling, or dredging of open coastal waters, wetlands, estuaries, and lakes shall be permitted in accordance with other applicable provisions of this division where there is no feasible less environmentally damaging alternative, and where feasible mitigation measures have been provided to minimize adverse environmental effects, and shall be limited to the following:

- (1) New or expanded port, energy, and coastal-dependent industrial facilities, including commercial fishing facilities.*
- (2) Maintaining existing, or restoring previously dredged depths on existing navigational channels, turning basins, vessel berthing and mooring areas, and boat launching ramps.*
- (3) In open coastal waters, other than wetlands, including streams, estuaries, and lakes, new or expanded boating facilities and the placement of structural pilings for public recreational piers that provide public access and recreational opportunities.*
- (4) Incidental public service purposes, including but not limited to, burying cables and pipes or inspection of piers and maintenance of existing intake and outfall lines.*
- (5) Mineral extraction, including sand for restoring beaches, except in environmentally sensitive areas.*
- (6) Restoration purposes.*
- (7) Nature study, aquaculture, or similar resource dependent activities.*

The placement of materials in a wetland constitutes “filling” and is therefore subject to the policies of Coastal Act Section 30233. The entire project site is classified as a wetland based on the presence of at least one of three wetland indicators: wetland hydrology, wetland vegetation or hydric soils (Exhibit 6). Project-related ramp construction activities are expected to result in the temporary filling of 0.12 acres of wetland habitat.

Projects that include disturbance of wetlands must meet the three tests of Coastal Act Section 30233(a). The first test requires that the proposed activity fit into one of seven categories of uses enumerated in Coastal Act Section 30233(a)(1-7). However, in this case, as the Commission found in its review of the underlying repair and maintenance project (9-13-0344), because the Commission is solely reviewing the method by which the applicant executes the repair and maintenance activities, the first test under Section 30233(a) is not applicable. The second test requires that there be no feasible less environmentally damaging alternative. The third and final test mandates that feasible mitigation measures be provided to minimize the project’s adverse environmental effects.

As discussed in Section A, the work proposed will facilitate the replacement of existing dilapidated wooden supports for SCG's existing pipelines. Allowing the existing wooden supports to remain in place increases the risk of a pipe breach associated with the failure of one or more supports. Even a small leak of hazardous materials would have significant adverse impacts on the surrounding wetlands and ESHA. Therefore, avoiding the work, or the "no project" alternative, is not an environmentally preferable option.

In addition, SCG looked into a few other alternatives that would allow access to the pipeline but would avoid building the temporary ramp. SCG initially proposed re-engineering the bike path to make it strong enough to support the heavy equipment needed to conduct pile driving activities. However, this would require closing the bike path for two months, and the County of Santa Barbara indicated it would not allow this closure, thus rendering that option infeasible. SCG also looked at constructing different types of footings that would not require use of the heavy equipment as initially proposed. One option, concrete spread footings, was rejected because the soft soil under the pipeline in this location is too soft to support this type of footing. Another option, micro piles, was rejected because although smaller machinery would be required to drill these smaller piles, there was a concern that the smaller equipment could sink into the soft soils surrounding the pipeline. To address this concern, a crane would need to be available to free the equipment if necessary. However, the crane, similar to the pile driving equipment, is very heavy and would likely damage the bike path. Thus, this alternative does not provide any advantage over the proposed alternative. Finally, the proposed ramp will minimize the impact footprint within the wetlands to the maximum extent feasible and will be installed for the minimum amount of time necessary to conduct repairs on the adjacent section of pipeline. Thus, there is no feasible less environmentally damaging alternative and the Commission finds this project consistent with the second test of Coastal Act Section 30233(a).

The final test requires that feasible mitigation measures be provided to minimize the project's adverse effects. The proposed project is expected to temporarily impact 0.12 acres of wetland habitat. A portion of this impact, approximately 0.035 acres, is contained within the vegetation management area described in E-11-031 that is the subject of vegetation removal and other pipeline maintenance activities (Exhibit 4). E-11-031 required SCG to submit a native vegetation restoration plan that mitigates impacts to ESHA and wetlands from these maintenance activities. SCG submitted this plan in March 2012 and has completed two years of monitoring for the restoration project. The temporary impacts anticipated under this proposed amendment are similar to the impacts described in E-11-031. Thus, under E-11-031, SCG is already mitigating for the types of impacts in the project area that are expected from the proposed project, and additional mitigation for temporary wetland impacts for the 0.035 acre area addressed in that permit is unnecessary.

For the remaining 0.085 acres of temporary impacts, SCG proposes to remove the road base material and revegetate the slope by applying a hydro-mulch mixture with a native seed mix to the underlying slope. However, the success of this type of revegetation is uncertain due to the poor quality and isolation of the existing habitat. Thus, to ensure that the temporary impacts are adequately mitigated, SCG also proposes to restore degraded wetland habitat at a 1:1 ratio by expanding the mitigation area required under Condition 2 of this permit (CDP 9-13-0344) to

include an additional 0.085 acres. Condition 2 of this permit is therefore amended to include the requirement that temporary impacts to 0.085 acres of wetlands as described under this amendment be mitigated at a 1:1 ratio. Once the pipeline repairs are complete, SCG is required to submit a Restoration Plan that documents the total permanent wetland impact area, identifies a restoration site, and describes restoration activities, performance criteria, and monitoring activities. Under this amendment, SCG would be required to mitigate for the temporary impacts caused by this amendment to its proposed project (that are not otherwise being mitigated under CDP E-11-031) by adding an additional 0.085 acres to the total restoration acreage required under the condition. The original permit monitoring requirements and performance standards would apply to this additional acreage. The Commission finds that in this case, where wetland impacts are temporary and of short duration, 1:1 mitigation is appropriate. Moreover, this restoration area would have the added benefit of being located adjacent to a larger restoration site, thus increasing the likelihood of success.

Consequently, the Commission finds that the third and final test of Coastal Act Section 30233(a) is also satisfied and the proposed repair and maintenance is consistent with Section 30233 of the Coastal Act.

E. CALIFORNIA ENVIRONMENTAL QUALITY ACT

Section 13096 of the Commission's Code of Regulations requires Commission approval of Coastal Development Permits to be supported by a finding showing the permit, as conditioned, to be consistent with any applicable requirements of the California Environmental Quality Act (CEQA). Section 21080.5(d)(2)(A) of CEQA prohibits a proposed development from being approved if there are feasible alternatives or feasible mitigation measures available which would substantially lessen any significant adverse effect which the activity may have on the environment.

The proposed development has been conditioned in order to be found consistent with the Chapter 3 policies of the Coastal Act. Mitigation measures are still applicable from the original permit, including conditions addressing biological resources, fill of wetlands, oil spill prevention and response, cultural resources and hazards will minimize all adverse environmental impacts. As conditioned, there are no feasible alternatives or feasible mitigation measures available which would substantially lessen any significant adverse impact which the activity may have on the environment. Therefore, the Commission finds that the proposed project is the least environmentally-damaging feasible alternative and is consistent with the requirements of the Coastal Act to conform to CEQA.

Appendix A: Substantive File Documents

California Coastal Commission, Staff Report for CDP E-11-031: Southern California Gas Company Pipeline Maintenance and Vegetation Management Activities at La Goleta Natural Gas Storage Facility. Hearing Date: March 9, 2012.

California Coastal Commission, Staff Report for CDP 9-13-0344: Southern California Gas Company Pipeline Support Replacement at La Goleta Natural Gas Storage Facility. Hearing Date: August 13, 2014.

Southern California Gas Company, Coastal Development Permit Amendment application and accompanying documents, initially submitted March 12, 2015.

Southern California Gas Company, email communications to Kate Huckelbridge on 3/6/2015, 5/19/2015, and 5/21/2015.

Southern California Gas Company, Response to Notice of Incompleteness, submitted April 27, 2015.

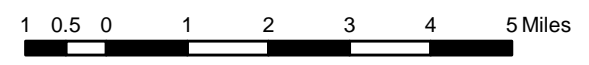
EXHIBIT 1

Southern California Gas Company Coast 10 20617 L247, 159 and 128 Pipeline Soil Sampling Project Goleta, CA

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- Legend**
- Proposed Project Site
 - County Boundary



Regional Map

PSOMAS

Figure 1

Exhibit 1

EXHIBIT 2

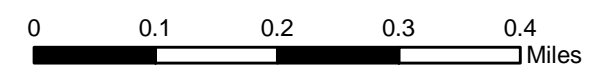
Southern California Gas Company
Coast 10 20617 L247, 159 and 128 Pipeline
Soil Sampling Project
Goleta, CA

M:\250U153103\GIS\Tasks\UD Reports\Figures\Fig 2 Project Vicinity Map.mxd 19-Sep-2012



Legend

 Project Area



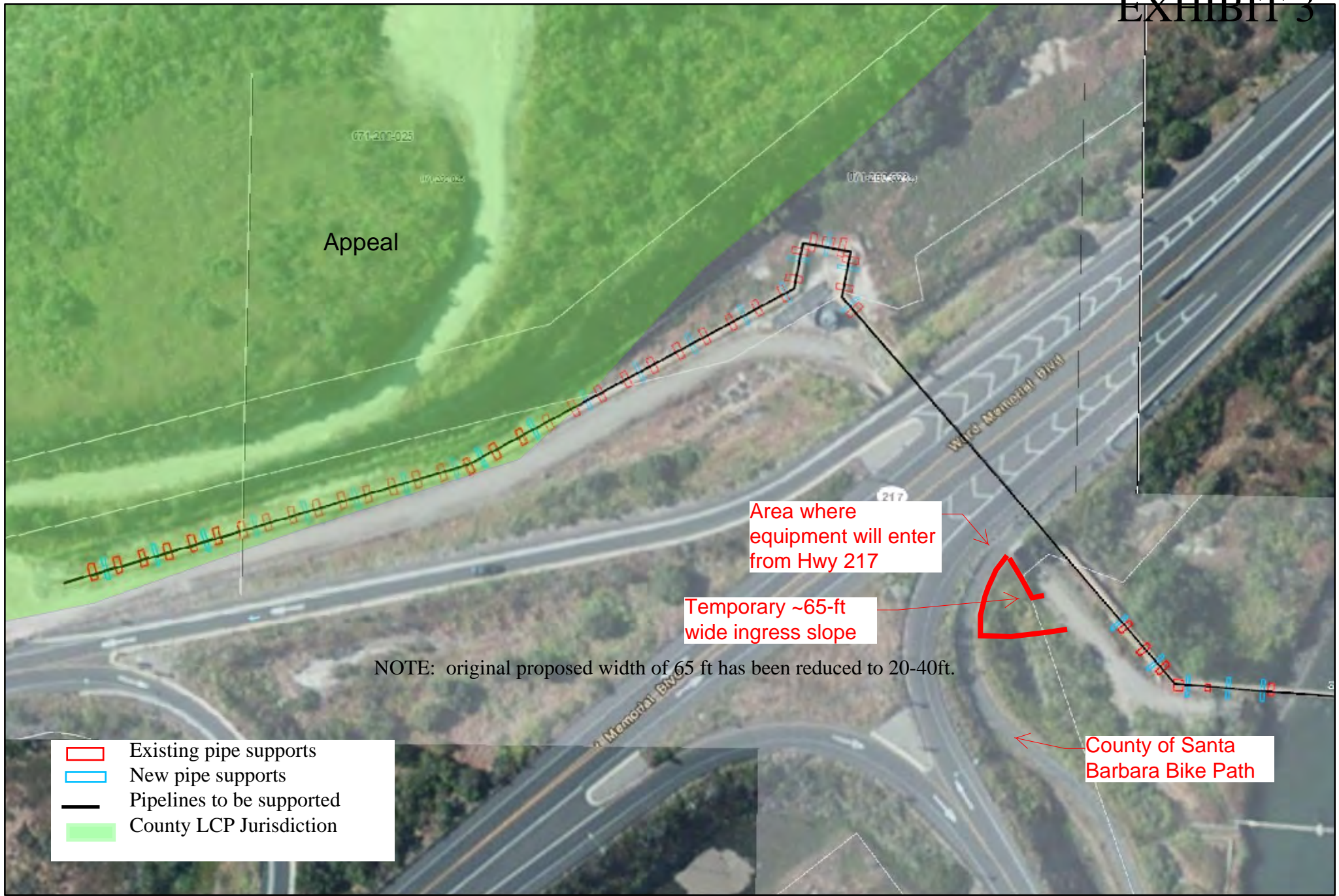
Project Vicinity Map

PSOMAS

Figure 2

Exhibit 2

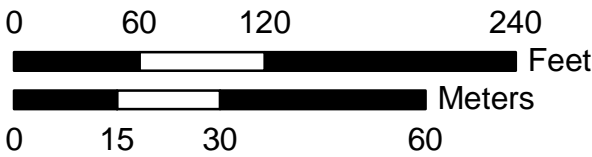
Note: The area outlined in yellow farthest to the east was included in the project footprint for Phase 1 of the project, but is not included in Phase 2.



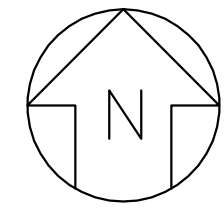
- Existing pipe supports
- New pipe supports
- Pipelines to be supported
- County LCP Jurisdiction

NOTE: original proposed width of 65 ft has been reduced to 20-40ft.

Goleta Pipe Support Project



This map is intended for reference use only. Not to exact scale.



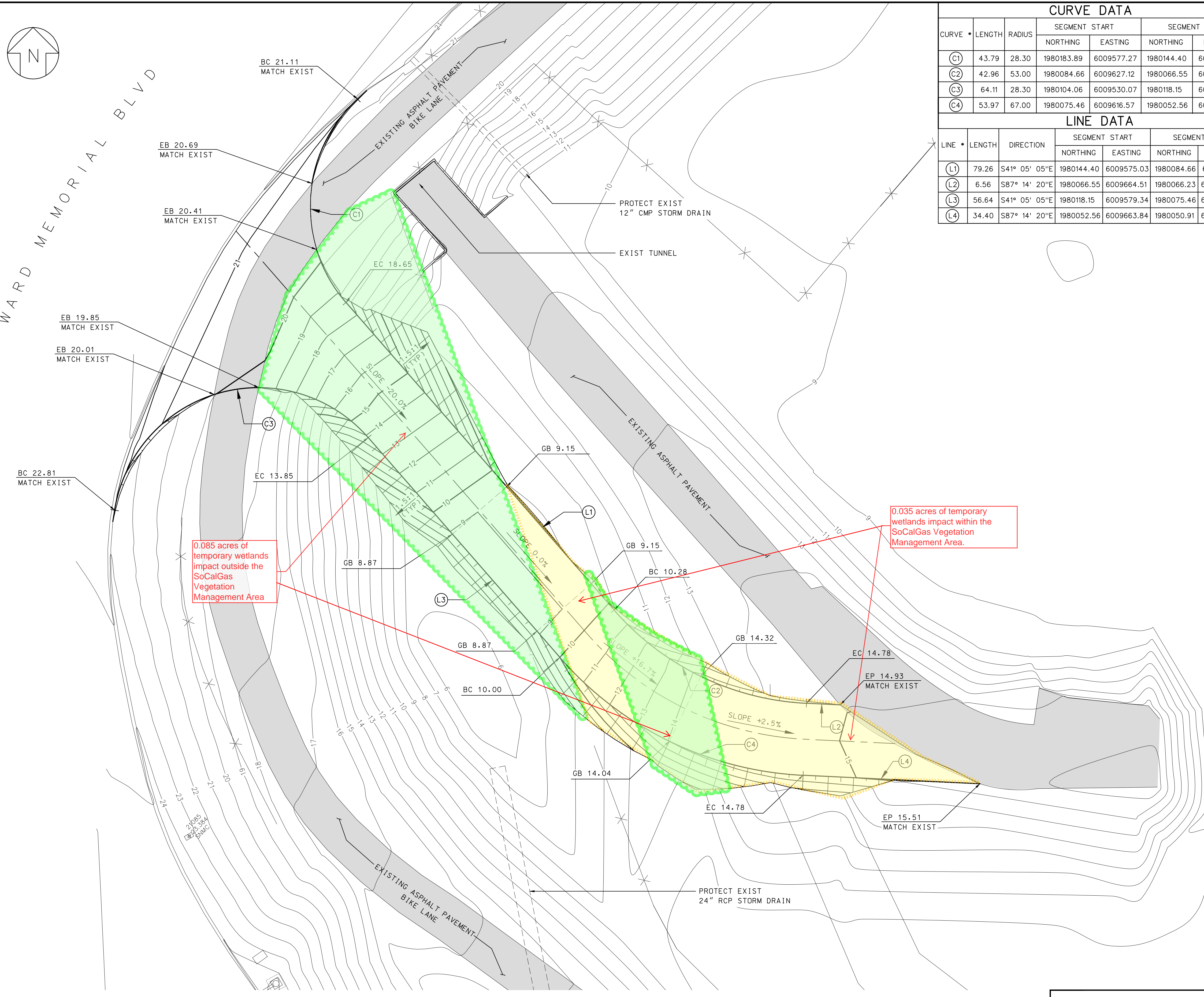
WARD MEMORIAL BLVD

CURVE DATA						
CURVE	LENGTH	RADIUS	SEGMENT START		SEGMENT END	
			NORTHING	EASTING	NORTHING	EASTING
(C1)	43.79	28.30	1980183.89	6009577.27	1980144.40	6009575.03
(C2)	42.96	53.00	1980084.66	6009627.12	1980066.55	6009664.51
(C3)	64.11	28.30	1980104.06	6009530.07	1980118.15	6009579.34
(C4)	53.97	67.00	1980075.46	6009616.57	1980052.56	6009663.84

LINE DATA						
LINE	LENGTH	DIRECTION	SEGMENT START		SEGMENT END	
			NORTHING	EASTING	NORTHING	EASTING
(L1)	79.26	S41° 05' 05"E	1980144.40	6009575.03	1980084.66	6009627.12
(L2)	6.56	S87° 14' 20"E	1980066.55	6009664.51	1980066.23	6009671.06
(L3)	56.64	S41° 05' 05"E	1980118.15	6009579.34	1980075.46	6009616.57
(L4)	34.40	S87° 14' 20"E	1980052.56	6009663.84	1980050.91	6009698.20

DRAWING NO.	REFERENCE DRAWING DESCRIPTION
32568-7001-D.CIV	GENERAL NOTES
32568-7002-D.CIV	EXISTING TOPOGRAPHY

LEGEND	
— x —	CHAINLINK FENCE
-----	STORM DRAIN
BC	BEGIN CURVE
EB	EDGE OF BIKE LANE
EC	END OF CURVE
EP	EDGE OF PAVEMENT
GB	GRADE BREAK



0.085 acres of temporary wetlands impact outside the SoCalGas Vegetation Management Area

0.035 acres of temporary wetlands impact within the SoCalGas Vegetation Management Area.

- NOTES:**
1. THE SITE IS LOCATED ON WARD MEMORIAL BLVD, GOLETA, CALIFORNIA.
 2. THE TOPOGRAPHIC SURVEY OF THIS SITE WAS PROVIDED BY OTHERS.
 3. ALL WORK SHALL COMPLY WITH SOUTHERN CALIFORNIA GAS COMPANY SPECIFICATION SP-45-4-S, SPECIFICATIONS FOR EXCAVATING, BACKFILLING, AND COMPACTING.
 4. CLEARING - PRIOR TO FILL PLACEMENT, THE SITE SHALL BE CLEARED BY REMOVING VEGETATION, ASPHALT CONCRETE, TREES AND ROOT SYSTEMS, DEBRIS, AND ANY OTHER LOOSE, SATURATED, OR ORGANIC MATERIAL.
 5. ENGINEERED FILL - ENGINEERED FILL SHALL BE PLACED IN ACCORDANCE WITH COMPANY SPECIFICATION SP-45-4-S. THE SITE SPECIFIC SOILS REPORT AND DRAWING 32568-7001-D, SHOULD CONFLICTS ARISE BETWEEN THESE DOCUMENTS, THE MOST CONSERVATIVE SHALL APPLY.
 6. EARTHWORK QUANTITIES:
 CUT = 4 CUBIC YARDS
 FILL = 195 CUBIC YARDS
 THE ABOVE QUANTITIES ARE THE DIFFERENCE BETWEEN THE FINISHED GRADE AND THE EXISTING GRADE.

ISSUED FOR REVIEW

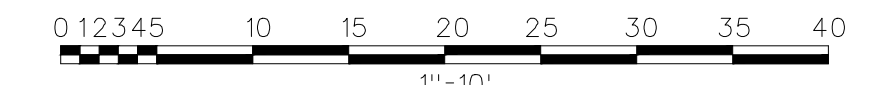


EXHIBIT 4

CONSTRUCTION ACCESS RAMP - FINISHED GRADING PLAN
 PLAN

EDM Services, Inc.
 4100 Guardian Street, Suite 250
 Simi Valley, California 93063
 Phone (805) 627-3300 FAX (805) 583-1607
 EDM FILE NAME: 325687003D-A.dwg

REV. NO.	DRAWN	PROJECT	SO CAL	JOB FILE NO.	DATE	DESCRIPTION
A	EDM	EDM	EDM	E-12-026	04/14/15	ISSUED FOR REVIEW
CONTRACTOR NAME & PROJECT NUMBER						
BY: DATE						
DESIGNED EDM SERVICES 04/14/15						
DRAWN EDM SERVICES 04/14/15						
CHK'D. M. KETABDAR						
APPRD.						
JOB FILE NO. E-12-026						
W.O.A. 90574						
DIST.						
CLASS						
SCALE AS SHOWN					DRAWING NO.	REV.
					32568-7003-D.CIV	A

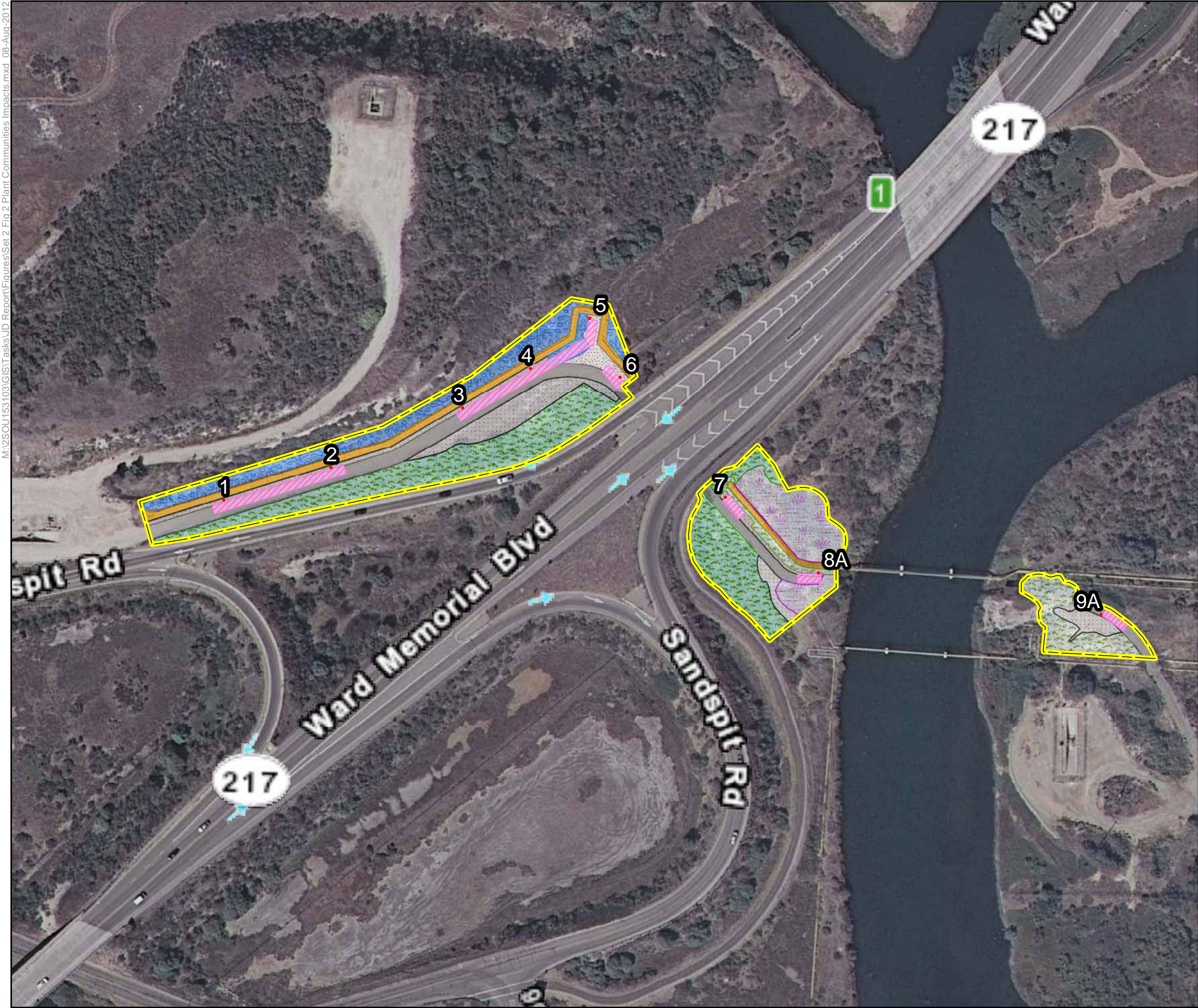


Southern California Gas Company
 GAS ENGINEERING LOS ANGELES
 GOLETA STORAGE FIELD
 CONSTRUCTION ACCESS RAMP
 CIVIL
 FINISHED GRADING PLAN

EXHIBIT 5

Southern California Gas Company
 Coast 10 20617 L247, 159 and 128 Pipeline
 Soil Sampling Project
 Goleta, CA

M:\2501153\103\GIS\Tasks\LD_Report\Figures\Set 2\Fig 2 Plant Communities Impacts.mxd 08-Aug-2012



Legend

- Marsh
- Coyote Brush Scrub
- Disturbed Coyote Brush Scrub
- Mixed Riparian / Coyote Brush Scrub
- Sand Flats
- Disturbed Habitat
- Developed
- Pipeline
- Staging Area
- Borings - 2 sqft (Labeled "1", "2", etc)



0 150 300 Feet

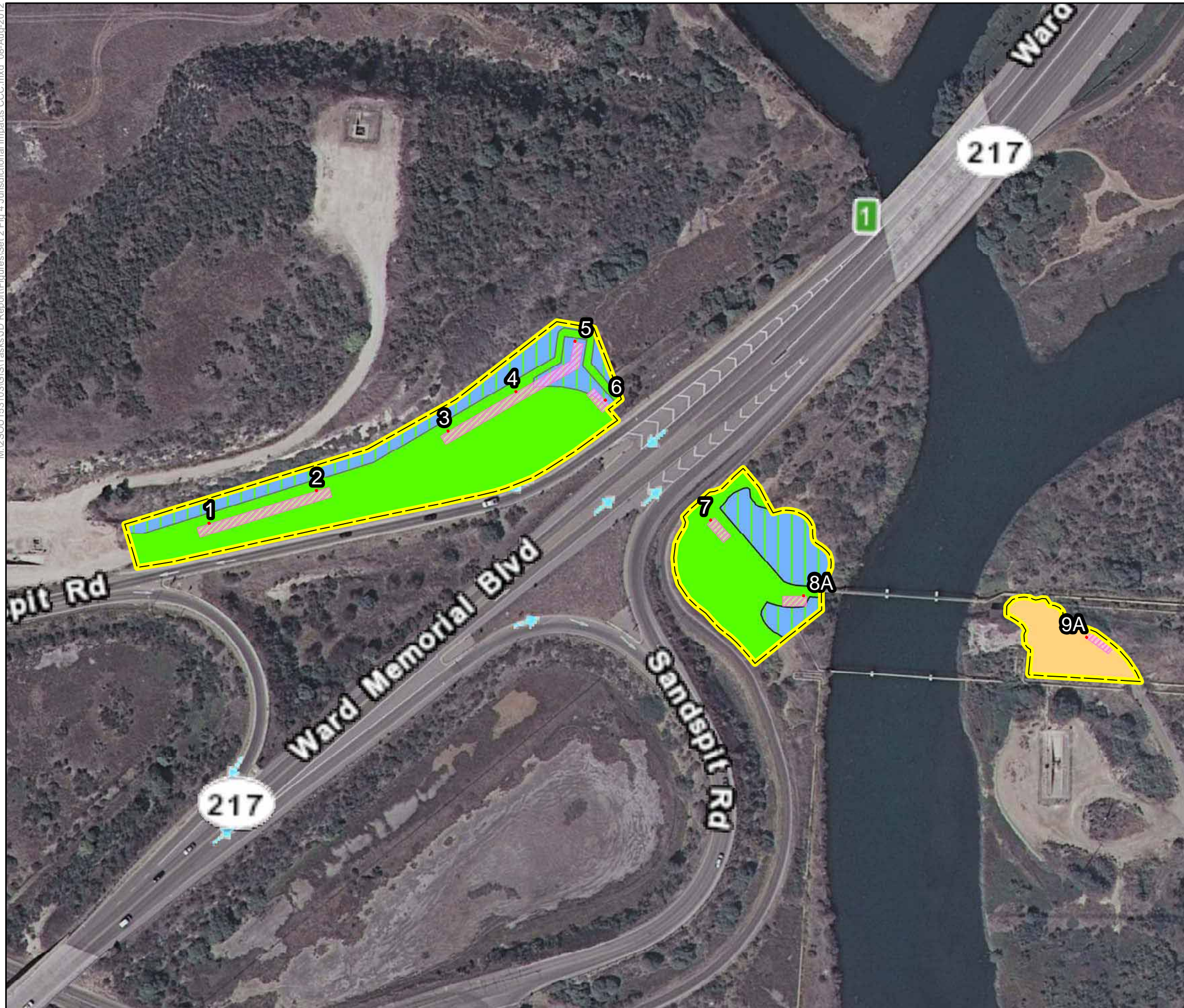
1 inch = 125 feet

Exhibit 5

Note: The area outlined in yellow farthest to the east was included in the project footprint for Phase 1 of the project, but is not included in Phase 2.

EXHIBIT 6

Southern California Gas Company
 Coast 10 20617 L247, 159 and 128 Pipeline
 Soil Sampling Project
 Goleta, CA



Legend

- Coastal Commission
- ACOE & Coastal Commission
- Non Jurisdictional
- Staging Area
- Borings - (Labeled "1", "2", etc)



0 150 300
 Feet

1 inch = 125 feet

CCC Jurisdictional Area = 91,090 sq ft / 2.09 ac
 Non-Jurisdictional Area = 9,311 sq ft / 0.21 ac
 Project Area = 100,401 sq ft / 2.30 ac
 Eight Boring Locations inside CCC = 34 sq ft

Jurisdictional Impacts:
Coastal Commission

PSOMAS

Figure 4

M:\2\SOU\453103\GIS\Tasks\VD_Report\Figures\Set 2 Fig 4 Jurisdictional Impacts_CCC.mxd 08-Aug-2012

Exhibit 6

Note: The area outlined in yellow farthest to the east was included in the project footprint for Phase 1 of the project, but is not included in Phase 2.

Site Photos

