3 August 2016

Julie Hanson and Ron Bertolina
Baybrook, LP
7700 College Town Drive, Suite 101
Sacramento, CA 95826

CERTIFIED MAIL
91 7199 9991 7035 8419 8063

CLEAN WATER ACT SECTION 401 TECHNICALLY CONDITIONED WATER QUALITY CERTIFICATION; BAYBROOK, LP, SIERRA VISTA SPECIFIC PLAN-BAYBROOK PROJECT (WDID#5A31CR00345), PLACER COUNTY

This Order responds to the 31 January 2013 application submitted by Baybrook, LP (Applicant) for the Water Quality Certification of the Sierra Vista Specific Plan-Baybrook Project (Project), permanently impacting 2.6540 acres of waters of the United States during Phase I and 0.9630 acre of waters of the United States during Phase II.

This Order serves as certification of the United States Army Corps of Engineers' Individual Permit (SPK-2006-01050) under Section 401 of the Clean Water Act, and a Waste Discharge Requirement under the Porter-Cologne Water Quality Control Act and State Water Board Order 2003-0017-DWQ.

WATER QUALITY CERTIFICATION STANDARD CONDITIONS:

1. **This Water Quality Certification (Certification) is not valid until coverage under Section 404 of the Clean Water Act is obtained. If the Project, including the area of impact (as described) is modified through this process, this Certification will not be valid until amended by the Central Valley Water Board.**

2. This Order serves as a Certification action that is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to Section 13330 of the California Water Code and Section 3867 of the California Code of Regulations.

3. This Certification action is not intended and shall not be construed to apply to any discharge from any activity involving a hydroelectric facility requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license unless the pertinent Certification application was filed pursuant to Section 3855(b) of the California Code of Regulations, and the application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.

4. The validity of any non-denial Certification action shall be conditioned upon total payment of the full fee required under Section 3860(c) of the California Code of Regulations.

5. This Certification is no longer valid if the Project (as described) is modified, or coverage under Section 404 of the Clean Water Act has expired.

6. All reports, notices, or other documents required by this Certification or requested by the Central Valley Regional Water Quality Control Board (Central Valley Water Board) shall be signed by a person described below or by a duly authorized representative of that person.

    (a) For a corporation: by a responsible corporate officer such as: 1) a president, secretary, treasurer, or vice president of the corporation in charge of a principal business function; 2) any other person who performs similar policy or decision-making functions for the corporation; or 3) the manager of one or more manufacturing, production, or operating facilities if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
    (b) For a partnership or sole proprietorship: by a general partner or the proprietor.
    (c) For a municipality, state, federal, or other public agency: by either a principal executive officer or ranking elected official.

7. Any person signing a document under Standard Condition number 5 shall make the following certification:

    "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

TECHNICAL CERTIFICATION CONDITIONS:

In addition to the above standard conditions, the Applicant shall satisfy the following:

1. The Applicant shall notify the Central Valley Water Board in writing seven (7) days in advance of the start of any work within waters of the United States.

2. Except for activities permitted by the United States Army Corps of Engineers under Section 404 of the Clean Water Act, soil, silt, or other organic materials shall not be placed where such materials could pass into surface water or surface water drainage courses.

3. The Applicant shall maintain a copy of this Certification and supporting documentation (Project Information Sheet) at the Project site during construction for review by site

personnel and agencies. All personnel (employees, contractors, and subcontractors) performing work on the proposed project shall be adequately informed and trained regarding the conditions of this Certification.

4. The Applicant shall perform surface water sampling[1]:
   a) when performing any in-water work;
   b) in the event that project activities result in any materials reaching surface waters; or
   c) when any activities result in the creation of a visible plume in surface waters.

   The sampling requirements in Table 1 shall be conducted upstream out of the influence of the project, and 300 feet downstream of the work area. The sampling frequency may be modified for certain projects with written approval from Central Valley Water Board staff.

Table 1:

Parameter	Unit	Type of Sample	Minimum Sampling Frequency	Required Analytical Test Method
Turbidity	NTU	Grab(1)	Every 4 hours during in-water work	(2, 4)
Settleable Material	mL/L	Grab(1)	Every 4 hours during in-water work	(2)
Visible construction related pollutants (3)	Observations	Visual Inspections	Continuous throughout the construction period	—
pH	Standard Units	Grab(1)	Every 4 hours during in-water work	(2, 4)

(1) Grab samples shall not be collected at the same time each day to get a complete representation of variations in the receiving water.
(2) Pollutants shall be analyzed using the analytical methods described in 40 Code of Federal Regulations Part 136; where no methods are specified for a given pollutant, the method shall be approved by Central Valley Water Board staff.
(3) Visible construction-related pollutants include oil, grease, foam, fuel, petroleum products, and construction-related, excavated, organic or earthen materials.
(4) A hand-held field meter may be used, provided the meter utilizes a USEPA-approved algorithm/method and is calibrated and maintained in accordance with the manufacturer's instructions. A calibration and maintenance log for each meter used for monitoring shall be maintained onsite.

Surface water sampling shall occur at mid-depth. A surface water monitoring report shall be submitted within two weeks of initiation of in-water construction, and every two weeks thereafter. In reporting the sampling data, the Applicant shall arrange the data in tabular form so that the sampling locations, date, constituents, and concentrations are readily discernible. The data shall be summarized in such a manner to illustrate clearly whether the project complies with Certification requirements. The report shall include surface water sampling results, visual observations, and identification of the turbidity increase in the

[1] Sampling is not required in wetlands, where the entire wetland is being permanently filled; provided there is no outflow connecting the wetland to surface waters.

receiving water applicable to the natural turbidity conditions specified in the turbidity criteria below.

If no sampling is required, the Applicant shall submit a written statement stating, "No sampling was required" within two weeks of initiation of in-water construction, and every two weeks thereafter.

5. The Central Valley Water Board adopted a *Water Quality Control Plan for the Sacramento River and San Joaquin River Basins*, Fourth Edition, revised April 2016 (Basin Plan) that designates beneficial uses, establishes water quality objectives, and contains implementation programs and policies to achieve those objectives for all waters addressed through the plan. Turbidity, settleable matter, and pH limits are based on water quality objectives contained in the Basin Plan and are part of this Certification as follows:

   a) Activities shall not cause turbidity increases in surface water to exceed:
      i. where natural turbidity is less than 1 Nephelometric Turbidity Units (NTUs), controllable factors shall not cause downstream turbidity to exceed 2 NTUs;
      ii. where natural turbidity is between 1 and 5 NTUs, increases shall not exceed 1 NTU;
      iii. where natural turbidity is between 5 and 50 NTUs, increases shall not exceed 20 percent;
      iv. where natural turbidity is between 50 and 100 NTUs, increases shall not exceed 10 NTUs; and
      v. where natural turbidity is greater than 100 NTUs, increases shall not exceed 10 percent.

      Appropriate averaging periods may be applied, provided that beneficial uses will be fully protected.

   b) Activities shall not cause settleable matter to exceed 0.1 mL/L in surface waters as measured in surface waters within 300 feet downstream of the project.

   c) Activities shall not cause pH to be depressed below 6.5 nor raised above 8.5 in surface water.

6. The Applicant shall notify the Central Valley Water Board immediately if the above criteria for turbidity, settleable matter, pH, or other water quality objectives are exceeded.

7. In-water work shall occur during periods of low flow (i.e., water is below the work area) and no precipitation. The Applicant shall perform surface water sampling in accordance with Technical Certification Condition No. 4, if any of the following conditions occur: 1) in-water work is conducted; 2) Project activities result in any materials reaching surface waters; or 3) Project activities result in the creation of a visible plume in surface waters.

8. Activities shall not cause visible oil, grease, or foam in the receiving water.

9. Refueling of equipment within the floodplain or within 300 feet of the waterway is prohibited. If critical equipment must be refueled within 300 feet of the waterway, spill prevention and countermeasures must be implemented to avoid spills. Refueling areas shall be provided with secondary containment including drip pans and/or placement of absorbent material. No hazardous materials, pesticides, fuels, lubricants, oils, hydraulic fluids, or other construction-related potentially hazardous substances should be stored within a floodplain or within 300 feet of a waterway. The Applicant must perform frequent inspections of construction equipment prior to utilizing it near surface waters to ensure leaks from the equipment are not occurring and are not a threat to water quality.

10. The Applicant shall develop and maintain onsite a project-specific Spill Prevention, Containment and Cleanup Plan outlining the practices to prevent, minimize, and/or clean up potential spills during construction of the project. The Plan must detail the project elements, construction equipment types and location, access and staging and construction sequence.

11. If wet concrete is used during project activities, concrete must be completely cured before coming into contact with waters of the United States. Surface water that contacts wet concrete must be pumped out and disposed of at an appropriate off-site commercial facility, which is authorized to accept concrete wastes.

12. Silt fencing, straw wattles, or other effective management practices must be used along the construction zone to minimize soil or sediment along the embankments from migrating into the waters of the United States through the entire duration of the project.

13. The use of netting material (e.g., monofilament-based erosion blankets) that could trap aquatic dependent wildlife is prohibited within the project area.

14. All areas disturbed by project activities shall be protected from washout and erosion.

15. All temporarily affected areas shall be restored to pre-construction contours and conditions upon completion of construction activities.

16. All materials resulting from the project shall be removed from the site and disposed of properly.

17. This Certification does not allow permanent water diversion of flow from the receiving water. This Certification is invalid if any water is permanently diverted as a part of the project.

18. If water is present, the area must be dewatered prior to the start of work.

19. If temporary surface water diversions and/or dewatering are anticipated, the Applicant shall develop and maintain on-site a Surface Water Diversion and/or Dewatering Plan(s). The Plan(s) must be developed prior to initiation of any water diversions. The Plan(s) shall include the proposed method and duration of diversion activities. The Plan(s) must be consistent with this Certification and must be made available to the Central Valley Water Board staff upon request.

20. When work in a flowing stream is unavoidable and any dam or other artificial obstruction is being constructed, maintained, or placed in operation, sufficient water shall at all times be allowed to pass downstream, to maintain beneficial uses of waters of the State below the dam. Construction, dewatering, and removal of temporary cofferdams shall not violate Technical Certification Condition 5 of this Certification.

21. Any temporary dam or other artificial obstruction constructed shall only be built from clean materials such as sandbags, gravel bags, water dams, or clean/washed gravel which will cause little or no siltation. Stream flow shall be temporarily diverted using gravity flow through temporary culverts/pipes or pumped around the work site with the use of hoses.

22. The discharge of petroleum products, any construction materials, hazardous materials, pesticides, fuels, lubricants, oils, hydraulic fluids, raw cement, concrete, asphalt, paint, coating material, drilling fluids, or other construction-related potentially hazardous substances to surface water and/or soil is prohibited. In the event of a prohibited discharge, the Applicant shall notify the Central Valley Water Board Contact within 24-hours of the discharge.

23. The Applicant shall apply for a name change or amendment to this Certification should any of the following occur: a) a change in the ownership of all or any portion of the Sierra Vista Specific Plan-Baybrook Project; b) any change in the project description; c) any change involving discharge amounts, temporary impacts, or permanent impacts; or d) amendments, modifications, revisions, extensions, or changes to the United States Army Corps of Engineers' Individual Permit, the United States Fish and Wildlife Service decision document, or the California Department of Fish and Wildlife Streambed Alteration Agreement.

24. The Applicant shall notify Central Valley Water Board staff if any off-site infrastructure will be constructed by another entity within the Sierra Vista Specific Plan.

25. The Applicant shall submit a copy of the final, signed and dated Streambed Alteration Agreement to the Central Valley Water Board Contact within 14 days of issuance by the California Department of Fish and Wildlife.

26. The Applicant shall comply with all California Department of Fish and Wildlife requirements, including those requirements described in the Streambed Alteration Agreement.

27. The Applicant shall submit a copy of the Biological Opinion or Letter of Concurrence to the Central Valley Water Board Contact within 14 days of issuance by the United States Fish and Wildlife Service.

28. The Applicant shall comply with all United States Fish and Wildlife Service requirements, including those requirements described in the Biological Opinion or Letter of Concurrence.

29. The Applicant shall obtain coverage under the National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction

and Land Disturbance Activities Order No. 2009-0009-DWQ for discharges to surface waters comprised of storm water associated with construction activity.

30. The Conditions in this Certification are based on the information in the attached "Project Information Sheet" and the application package. If the actual project, as described in the attached Project Information Sheet and application package, is modified or changed, this Certification is no longer valid until amended by the Central Valley Water Board.

31. The Applicant shall implement each of the mitigation measures specified in the certified Environmental Impact Report for the project, as they pertain to biology, hydrology and water quality impacts as required by Section 21081.6 of the Public Resource Code and Section 15097 of the California Code of Regulations.

32. In the event of any violation or threatened violation of the conditions of this Certification, the violation or threatened violation shall be subject to any remedies, penalties, process, or sanctions as provided for under state and federal law. The applicability of any state law authorizing remedies, penalties, process, or sanctions for the violation or threatened violation constitutes a limitation necessary to ensure compliance with this Certification.

    (a) If the Applicant or a duly authorized representative of the project fails or refuses to furnish technical or monitoring reports, as required under this Certification, or falsifies any information provided in the monitoring reports, the applicant is subject to civil liability, for each day of violation, and/or criminal liability.

    (b) In response to a suspected violation of any condition of this Certification, the Central Valley Water Board may require the Applicant to furnish, under penalty of perjury, any technical or monitoring reports the Central Valley Water Board deems appropriate, provided that the burden, including cost of the reports, shall be in reasonable relationship to the need for the reports and the benefits to be obtained from the reports.

    (c) The Applicant shall allow the staff of the Central Valley Water Board, or an authorized representative(s), upon the presentation of credentials and other documents, as may be required by law, to enter the project premises for inspection, including taking photographs and securing copies of project-related records, for the purpose of assuring compliance with this Certification and determining the ecological success of the project.

33. For Phase I, to mitigate for the loss of 0.0534 acre of stream channel, 0.3086 acre of vernal pool, 1.0450 acres of pond, and 1.2470 acres of wetland habitat, the Applicant shall purchase a minimum of 0.0534 stream bed habitat creation and/or restoration credits and 0.3086 vernal pool creation and/or restoration credits from a United States Army Corps of Engineers approved mitigation bank, or as required by the United States Army Corps of Engineers or United States Fish and Wildlife Service for the impacted watershed prior to commencing construction; and the on-site establishment of 2.2920 acre of wetland and emergent marsh habitat, or as otherwise required by the United States Army Corps of

Engineers or United States Fish and Wildlife Service for the impacted watershed prior to commencing construction.

For Phase II, to mitigate for the loss of 0.5230 acre of stream channel, 0.3910 acre of wetlands, 0.0490 acre of vernal pool habitat, the Applicant shall purchase a minimum of 0.5230 stream channel on-site creation mitigation credits, 0.3910 wetland on-site creation mitigation credits, and 0.0490 vernal pool off-site preservation mitigation credits from a United States Army Corps of Engineers approved mitigation bank, or as required by the United States Army Corps of Engineers or United States Fish and Wildlife Service for the impacted watershed prior to commencing construction.

The Applicant shall provide evidence of all off-site compensatory mitigation to the Central Valley Water Board. Evidence of on-site compensatory mitigation shall be provided with the Notice of Completion. At a minimum, compensatory mitigation must achieve a ratio of 1:1 for permanent impacts.

Compensatory mitigation must ensure no overall net loss of wetlands for impacts to waters of the State, at the time of Certification.

Evidence of compliance with compensatory mitigation requirements includes providing a letter from the approved compensatory mitigation bank. The letter must: a) be on the compensatory mitigation bank's letterhead; b) be signed by an authorized representative of the compensatory mitigation bank; c) indicate the United States Army Corps of Engineers' SPK number; d) describe the Project name and location; and e) detail the type of compensatory mitigation credits purchased for the Project's impacts.

NOTIFICATIONS AND REPORTS:

34. The Applicant shall provide a Notice of Completion (NOC) no later than 30 days after the project completion. The NOC shall demonstrate that the project has been carried out in accordance with the project description in the Certification and in any approved amendments. The NOC shall include a map of the project location(s), including final boundaries of any on-site restoration area(s), if appropriate, and representative pre and post construction photographs. Each photograph shall include a descriptive title, date taken, photographic site, and photographic orientation.

35. The Applicant shall submit all notifications, submissions, materials, data, correspondence, and reports in a searchable Portable Document Format (PDF). Documents less than 50 MB must be emailed to: centralvalleysacramento@waterboards.ca.gov. In the subject line of the email, include the Central Valley Water Board Contact, Project name, and WDID number as shown in the subject line above. Documents that are 50 MB or larger must be transferred to a disk and mailed to the Central Valley Water Board Contact.

STORM WATER QUALITY CONDITIONS:

The Applicant shall also satisfy the following additional storm water quality conditions:

1. During the construction phase, the Applicant must employ strategies to minimize erosion and the introduction of pollutants into storm water runoff. These strategies must include the following:
   (a) the Storm Water Pollution Prevention Plan must be prepared during the project planning and design phases and implemented, as appropriate, before construction; and
   (b) an effective combination of erosion and sediment control Best Management Practices (BMPs) must be implemented and adequately working prior to the rainy season and during all phases of construction.

2. The Applicant must minimize the short and long-term impacts on receiving water quality from the Sierra Vista Specific Plan-Baybrook Project by implementing the following post-construction storm water management practices and as required by local agency permitting the project, as appropriate:
   (a) minimize the amount of impervious surface;
   (b) reduce peak runoff flows;
   (c) provide treatment BMPs to reduce pollutants in runoff;
   (d) ensure existing waters of the State (e.g., wetlands vernal pools, or creeks) are not used as pollutant source controls and/or treatment controls;
   (e) preserve and where possible, create or restore areas that provide important water quality benefits, such as riparian corridors, wetlands, and buffer zones;
   (f) limit disturbances of natural water bodies and natural drainage systems caused by development (including development of roads, highways, and bridges);
   (g) use existing drainage master plans or studies to ensure incorporation of structural and non-stuctural BMPs to mitigate the projected pollutant load increases in surface water runoff;
   (h) identify and avoid development in areas that are particularly susceptible to erosion and sediment loss, or establish development guidance that protects areas from erosion/ sediment loss; and
   (i) control post-development peak storm water run-off discharge rates and velocities to prevent or reduce downstream erosion, and to protect stream habitat.

3. The Applicant shall ensure that all development within the project provides verification of maintenance provisions for post-construction structural and treatment control BMPs as required by the local agency permitting the project. Verification shall include one or more of the following, as applicable:
   (a) the developer’s signed statement accepting responsibility for maintenance until the maintenance responsibility is legally transferred to another party; or
   (b) written conditions in the sales or lease agreement that require the recipient to assume responsibility for maintenance; or
   (c) written text in project conditions, covenants and restrictions for residential properties assigning maintenance responsibilities to a home owner’s association, or other appropriate group, for maintenance of structural and treatment control BMPs; or

(d) any other legally enforceable agreement that assigns responsibility for storm water BMPs maintenance.

CENTRAL VALLEY WATER BOARD CONTACT:

Stephanie Tadlock, Environmental Scientist
Central Valley Regional Water Quality Control Board
11020 Sun Center Drive, Suite 200
Rancho Cordova, CA 95670-8114
Stephanie.Tadlock@waterboards.ca.gov
(916) 464-4644

CALIFORNIA ENVIRONMENTAL QUALITY ACT:

The City of Roseville is the Lead Agency responsible for compliance with the California Environmental Quality Act for the Sierra Vista Specific Plan – Baybrook Project (previously called Richland Property) pursuant to Section 21000 et seq. of the Public Resources Code. The City of Roseville certified an Environmental Impact Report for the Sierra Vista Specific Plan with Statement of Overriding Considerations on 6 May 2010. Significant and unavoidable impacts identified in the Statement of Overriding Considerations include impacts to water quality. The City of Roseville filed a Notice of Determination with the State Clearinghouse on 26 May 2010 (State Clearinghouse Number 2008032115).

The City of Roseville approved a tiered Mitigated Negative Declaration for the Baybrook Project, which was prepared as an Amendment to the Sierra Vista Specific Plan - Baybrook Project on 6 June 2012. The City of Roseville filed a Notice of Determination with the State Clearinghouse on 15 June 2012 (State Clearinghouse Number 2008032115).

The Central Valley Water Board is a responsible agency for the project. The Central Valley Water Board has determined that the Environmental Impact Report with Statement of Overriding Considerations and tiered Mitigated Negative Declaration are in accordance with the requirements of the California Environmental Quality Act.

The Central Valley Water Board has reviewed and evaluated the impacts to water quality identified in the Environmental Impact Report with Statement of Overriding Considerations and tiered Mitigated Negative Declaration. The proposed mitigation measures discussed in the Environmental Impact Report with Statement of Overriding Considerations and tiered Mitigated Negative Declaration were adopted to avoid and minimize project impacts to State waters and are required by this Certification.

With regard to the remaining impacts identified in the Environmental Impact Report with Statement of Overriding Considerations and tiered Mitigated Negative Declaration, the corresponding mitigation measures proposed are within the responsibility and jurisdiction of other public agencies.

WATER QUALITY CERTIFICATION:

I hereby issue an Order certifying that any discharge from the Baybrook, LP, Sierra Vista Specific Plan -Baybrook Project (WDID#5A31CR00345) will comply with the applicable provisions of Section 301 ("Effluent Limitations"), Section 302 ("Water Quality Related Effluent Limitations"), Section 303 ("Water Quality Standards and Implementation Plans"), Section 306 ("National Standards of Performance"), and Section 307 ("Toxic and Pretreatment Effluent Standards") of the Clean Water Act. Through this Order, this discharge is also regulated under State Water Resources Control Board Water Quality Order No. 2003-0017 DWQ "Statewide General Waste Discharge Requirements For Dredged Or Fill Discharges That Have Received State Water Quality Certification (General WDRs)".

Except insofar as may be modified by any preceding conditions, all Certification actions are contingent on: a) the discharge being limited and all proposed mitigation being completed in compliance with the conditions of this Certification, Baybrook, LP's application package, and the attached Project Information Sheet; and b) compliance with all applicable requirements of the *Water Quality Control Plan for the Sacramento River and San Joaquin River Basins*, Fourth Edition, revised April 2016.

Any person aggrieved by this action may petition the Regional Water Quality Control Board to review the action in accordance with California Water Code Section 13320 and California Code of Regulations, Title 23, Section 2050 and following. The Regional Water Quality Control Board must receive the petition by 5:00 p.m., 30 days after the date of this action, except that if the thirtieth day following the date of this action falls on a Saturday, Sunday, or state holiday, the petition must be received by the Regional Water Quality Control Board by 5:00 p.m. on the next business day. Copies of the law and regulations applicable to filing petitions may be found on the Internet at: http://www.waterboards.ca.gov/public_notices/petitions/water_quality or will be provided upon request.

Original Signed By Nichole Morgan for:

Pamela C. Creedon
Executive Officer

Enclosure: Project Information Sheet

Attachment: Figure 1 – Project Vicinity Map
Figure 2 – Project Area Map

cc: Distribution List, page 19

PROJECT INFORMATION SHEET

Application Date: 31 January 2013

Applicant: Julie Hanson and Ron Bertolina
Baybrook, LP
7700 College Town Drive, Suite 101
Sacramento, CA 95826

Applicant Representative: Tom Skordal
Gibson and Skordal
2617 K Street Suite 175
Sacramento, CA 95816

Project Name: Sierra Vista Specific Plan– Baybrook Project

Application Number: WDID#5A31CR00345

Date on Public Notice: 15 February 2013

Date Application Deemed Complete: 4 April 2013

Type of Project: Development - Mixed Use

Approved Months of Project Implementation: The Project will be constructed 6 May through 31 October, or as otherwise required by the Department of Fish and Wildlife.

Project Location: Section 26,27,34,35, Township 11 North, Range 5 East, MDB&M. Latitude: 38°45‘32“N and Longitude: 121°22‘40” W

County: Placer County

Receiving Water(s) (hydrologic unit): Curry Creek, unnamed wetlands, unnamed pond, and a perennial stream, Sacramento Hydrologic Basin, Valley-American Hydrologic Unit #519.21, Lower American HSA

Water Body Type: Wetland, Vernal Pools, Pond, and Streambed

Designated Beneficial Uses: The *Water Quality Control Plan for the Sacramento River and San Joaquin River Basins*, Fourth Edition, revised April 2016 (Basin Plan) has designated beneficial uses for surface and ground waters within the region. Beneficial uses that could be impacted by the project include, but are not limited to: Municipal and Domestic Water Supply (MUN); Agricultural Supply (AGR); Industrial Supply (IND); Hydropower Generation (POW); Groundwater Recharge (GWR); Water Contact Recreation (REC-1); Non-Contact Water Recreation (REC-2); Warm Freshwater Habitat (WARM); Cold Freshwater Habitat (COLD); Preservation of Biological Habitats of Special Significance (BIOL); Rare, Threatened, or

Endangered Species (RARE); Migration of Aquatic Organisms (MIGR); Spawning, Reproduction, and/or Early Development (SPWN); and Wildlife Habitat (WILD). A comprehensive and specific list of the beneficial uses applicable for the project area can be found at http://www.waterboards.ca.gov/centralvalley/water_issues/basin_plans/index.shtml.

303(d) List of Water Quality Limited Segments: Curry Creek, unnamed wetlands, vernal pools, unnamed pond, and a perennial stream, are the receiving waters for the Sierra Vista Specific Plan-Baybrook Project. Curry Creek is on the 303(d) list for pyrethroids and sediment toxicity. This project, as conditioned with mitigation measures to prevent transport of sediment due to project activities, will minimize impacts to Curry Creek. The most recent list of approved water quality limited segments is found at: http://www.waterboards.ca.gov/water_issues/programs/tmdl/integrated2010.shtml.

Project Description: The Sierra Vista Specific Plan-Baybrook Project (Project) consists of constructing a 81.4-acre mixed use housing development project and associated infrastructure. The Project is located within the Sierra Vista Specific Plan, at the southwest corner of the Sierra Vista Specific Plan Area near the intersection of Baseline Road and Watt Avenue in Roseville.

Phase I – Site Preparation

The Project will grade and fill approximately 2.6540 acres of wetlands, vernal pool, pond, and stream bed habitat, which are waters of the United States, in preparation for the development. Permanent grassy swales will be created after grading activities at the newly constructed pipe outfalls of the new storm drains to mitigate storm water runoff from development prior to discharging into the wetlands adjacent to Federico Creek and Curry Creek as a low impact development feature. Impacts from Phase I construction activities are summarized in Table 2:

Table 2 – Impacts from Phase I Grading Activities

Segment ID	Wetland Type	Permanent Impacts (Acres)	Total Segment Impacts (Acres)
Baybrook Land Area	Ephemeral Stream	0.0015	2.6048
	Perennial Stream	0.0266	
	Pond	1.0450	
	Seasonal Wetland	1.0284	
	Vernal Pool	0.3086	
	Wetland Swale	0.1947	
B9	Seasonal Wetland	0.0079	0.0079
	Vernal Pool	-	
	Wetland Swale	-	
U12	Perennial Stream	0.0022	0.0028
	Vernal Pool	-	
	Wetland Swale	0.0006	
U14	Perennial Stream	0.0231	0.0231
	Vernal Pool	-	
	Wetland Swale	-	

Segment ID	Wetland Type	Permanent Impacts (Acres)	Total Segment Impacts (Acres)
V8	Seasonal Wetland	0.0154	0.0154
	Vernal Pool	-	
	Wetland Swale	-	
Total			**2.6540**

Phase II – Infrastructure

If the construction of the following on-site infrastructure: public facilities, utility lines, and segments of Baseline Road and Vista Grande Boulevard, are not completed by another property owner as part of a separate project that is covered under a separate Water Quality Certification, this Certification covers the additional 0.9630 acre of permanent impacts from the construction of these infrastructure segments by the Applicant. The Applicant will notify Central Valley Water Board staff if any of the activities included in Table 3 below will be constructed by another property owner within the Sierra Vista Specific Plan as per Technical Condition No. 24 of this Certification. Phase II impacts from infrastructure construction activities are summarized in Table 3:

Table 3: Impacts from Construction of Infrastructure

Segment ID	Project Activity	Water Body Type	Permanent Impacts (Acres)	Total Segment Impacts (Acres)
B9	Construct the new Baseline Road	Seasonal Wetland	0.0080	0.0080
		Vernal Pool	-	
		Wetland Swale	-	
Baseline Road Total				**0.0080**
V8	Construct the new Vista Grande Boulevard	Ephemeral Stream	0.3210	0.9080
		Perennial Stream	0.1590	
		Seasonal Wetland	0.0150	
		Vernal Pool	0.0490	
		Wetland Swale	0.3640	
Vista Grande Boulevard Total				**0.9080**
Lift Station P5	Construct the new Lift Station	Seasonal Wetland	-	0.0030
		Vernal Pool	-	
		Wetland Swale	0.0030	
Public Facilities Total				**0.0030**
U12	Construct new underground and surface utility lines	Intermittent Stream	0.0200	0.0210
		Vernal Pool	-	
		Wetland Swale	0.0010	
U14	Construct new underground and surface utility lines	Intermittent Stream	0.0230	0.0230
		Vernal Pool	-	
		Wetland Swale	-	
Utility Lines Total				**0.0440**
Total Infrastructure				**0.9630**

The Project will construct the western half of the U12 segment, the southern half of the V8 segment, the northern half of the B9 segment, and the U13, U14, and P5 segments, as shown in Figure 2. The eastern half of the U12 segment, the southern half of the B9 segment, and the northern half of the V8 segment are the responsibility of another property owner and are not permitted under this Certification.

Summary of Impacts

Dewatering will occur within the Project area when there is flowing water in the streambed. The Phase I portion of the Project will permanently impact 2.6540 acres and the Phase II portion of the Project will permanently impact 0.9630 acre of waters of the United States.

Preliminary Water Quality Concerns: Construction activities may impact surface waters with increased turbidity, settleable matter, and pH.

Proposed Mitigation to Address Concerns: The Applicant will implement Best Management Practices to control sedimentation and erosion. The Applicant will conduct turbidity, settleable matter, and pH testing during in-water work, stopping work if Basin Plan criteria are exceeded or observations indicate an exceedance of a water quality objective.

All temporary affected areas will be restored to pre-construction contours and conditions upon completion of construction activities to provide 1:1 mitigation for temporary impacts.

Excavation/Fill Area: During Phase I construction activities, approximately 8,564 cubic yards of native soil will be placed into 2.6540 acres of waters of the United States for grading activities.

Dredge Volume: None

California Integrated Water Quality System Impact Data: Phase I of the Project will permanently impact 1.2470 acres of wetland, 0.3086 acre of vernal pools, 1.0450 acres of pond, and 0.0534 acre of stream bed habitat from fill activities.

Table 4: Impacts from Phase I – Site Preparation Activities

Aquatic Resource Type	Temporary			Permanent					
				Physical Loss of Area			Degradation of Ecological Condition Only		
	Acres	Cubic-yards	Linear-feet	Acres	Cubic-yards	Linear-feet	Acres	Cubic-yards	Linear-feet
Stream Channel	-	-	-	0.0534	-	-	-	-	-
Vernal Pools	-	-	-	0.3086	-	-	-	-	-
Pond	-	-	-	1.0450	-	-	-	-	-
Wetland	-	-	-	1.2470	-	-	-	-	-
Total	-	-	-	**2.6540**	-	-	-	-	-

Phase II of the Project will permanently impact an additional 0.5230 acre of stream bed habitat, 0.0490 acre of vernal pool habitat, and 0.3910 acre of wetland habitat from fill activities.

Table 5: Impacts from Phase II - Infrastructure Fill Activities

Aquatic Resource Type	Temporary			Permanent					
				Physical Loss of Area			Degradation of Ecological Condition Only		
	Acres	Cubic-yards	Linear-feet	Acres	Cubic-yards	Linear-feet	Acres	Cubic-yards	Linear-feet
Stream Channel	-	-	-	0.5230	-	-	-	-	-
Vernal Pool	-	-	-	0.0490	-	-	-	-	-
Wetland	-	-	-	0.3910	-	-	-	-	-
Total	-	-	-	**0.9630**	-	-	-	-	-

United States Army Corps of Engineers File Number: SPK-2006-01050

United States Army Corps of Engineers Permit Type: Individual Permit

California Department of Fish and Wildlife Lake or Streambed Alteration Agreement: The Applicant stated that a Streambed Alteration Agreement application will be filed. The Certification is conditioned so that the applicant will submit a copy of the Streambed Alteration Agreement to the Central Valley Water Board Contact within 14 days of issuance from the California Department of Fish and Wildlife.

Possible Listed Species: Giant garter snake, California black rail, Conservancy fairy shrimp, Vernal pool fairy shrimp, Valley elderberry longhorn beetle, Vernal pool tadpole shrimp, California tiger salamander, California red-legged frog, Western spadefoot toad, Greater

sandhill crane, Northern harrier, White tailed kite, Swainson's hawk, Ferruginous hawk, California black rail, Western burrowing owl, Tri-colored blackbird, and Loggerhead shrike.

Status of CEQA Compliance: The City of Roseville certified an Environmental Impact Report for the Sierra Vista Specific Plan – Baybrook (previously called Richland Property) with Statement of Overriding Considerations on 6 May 2010. Significant and unavoidable impacts identified in the Statement of Overriding Considerations include impacts to water quality. The City of Roseville filed a Notice of Determination with the State Clearinghouse on 26 May 2010 (State Clearinghouse Number 2008032115).

The City of Roseville approved a tiered Mitigated Negative Declaration for the Baybrook Project, which was prepared as an Amendment to the Sierra Vista Specific Plan– Baybrook Project on 6 June 2012. The City of Roseville filed a Notice of Determination with the State Clearinghouse on 15 June 2012 (State Clearinghouse Number 2008032115).

The Central Valley Water Board will file a Notice of Determination with the State Clearinghouse as a responsible agency within five (5) days of the date of this Certification.

Compensatory Mitigation: For Phase I, to mitigate for the loss of 0.0534 acre of stream channel, 0.3086 acre of vernal pool, 1.0450 acres of pond, and 1.2470 acres of wetland habitat, the Applicant shall purchase a minimum of 0.0534 stream bed habitat creation and/or restoration credits and 0.3086 vernal pool creation and/or restoration credits from a United States Army Corps of Engineers approved mitigation bank, or as required by the United States Army Corps of Engineers or United States Fish and Wildlife Service for the impacted watershed prior to commencing construction; and the on-site establishment of 2.2920 acre of wetland and emergent marsh habitat, or as otherwise required by the United States Army Corps of Engineers or United States Fish and Wildlife Service for the impacted watershed prior to commencing construction.

For Phase II, to mitigate for the loss of 0.5230 acre of stream channel, 0.3910 acre of wetlands, 0.0490 acre of vernal pool habitat, the Applicant shall purchase a minimum of 0.5230 stream channel on-site creation mitigation credits, 0.3910 wetland on-site creation mitigation credits, and 0.0490 vernal pool off-site preservation mitigation credits from a United States Army Corps of Engineers approved mitigation bank, or as required by the United States Army Corps of Engineers or United States Fish and Wildlife Service for the impacted watershed prior to commencing construction.

The Applicant shall provide evidence of all off-site compensatory mitigation to the Central Valley Water Board. Evidence of on-site compensatory mitigation shall be provided with the Notice of Completion. At a minimum, compensatory mitigation must achieve a ratio of 1:1 for permanent impacts.

Table 6: Compensatory Mitigation for Permanent Physical Loss of Area during Phase I

Aquatic Resource Type	Comp Mitigation Type			Units		Established	Re-established	Rehabilitated	Enhanced	Preserved	Unknown
	In-Lieu	Mit. Bank	Permittee Responsible	Acres	Linear Feet						
Stream Channel	-	X	-	0.0534	-	X	-	X	-	-	-
Vernal Pools	-	X	-	0.3086	-	X	-	X	-	-	-
Pond (Wetland)	-	-	X	1.0450	-	X	-	-	-	-	-
Wetland	-	-	X	1.2470	-	X	-	-	-	-	-
Total	-	**-**	**-**	**2.6540**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Table 7: Compensatory Mitigation for Permanent Physical Loss of Area during Phase II

Aquatic Resource Type	Comp Mitigation Type			Units		Established	Re-established	Rehabilitated	Enhanced	Preserved	Unknown
	In-Lieu	Mit. Bank	Permittee Responsible	Acres	Linear Feet						
Stream Channel	-	X	-	0.5230	-	X	-	**-**	**-**	**-**	**-**
Vernal Pool	-	X	-	0.0490	-	X	-	**-**	**-**	**-**	**-**
Wetland	-	X	-	0.3910	-	X	-	**-**	**-**	**-**	**-**
Total	**-**	**-**	**-**	**0.9630**	**-**	**-**	-	**-**	**-**	**-**	**-**

Application Fee Provided: Total fees of $11,700.00 have been submitted to the Central Valley Water Board as required by Section 3833(b)(3)(A) and Section 2200(a)(3) of the California Code of Regulations.

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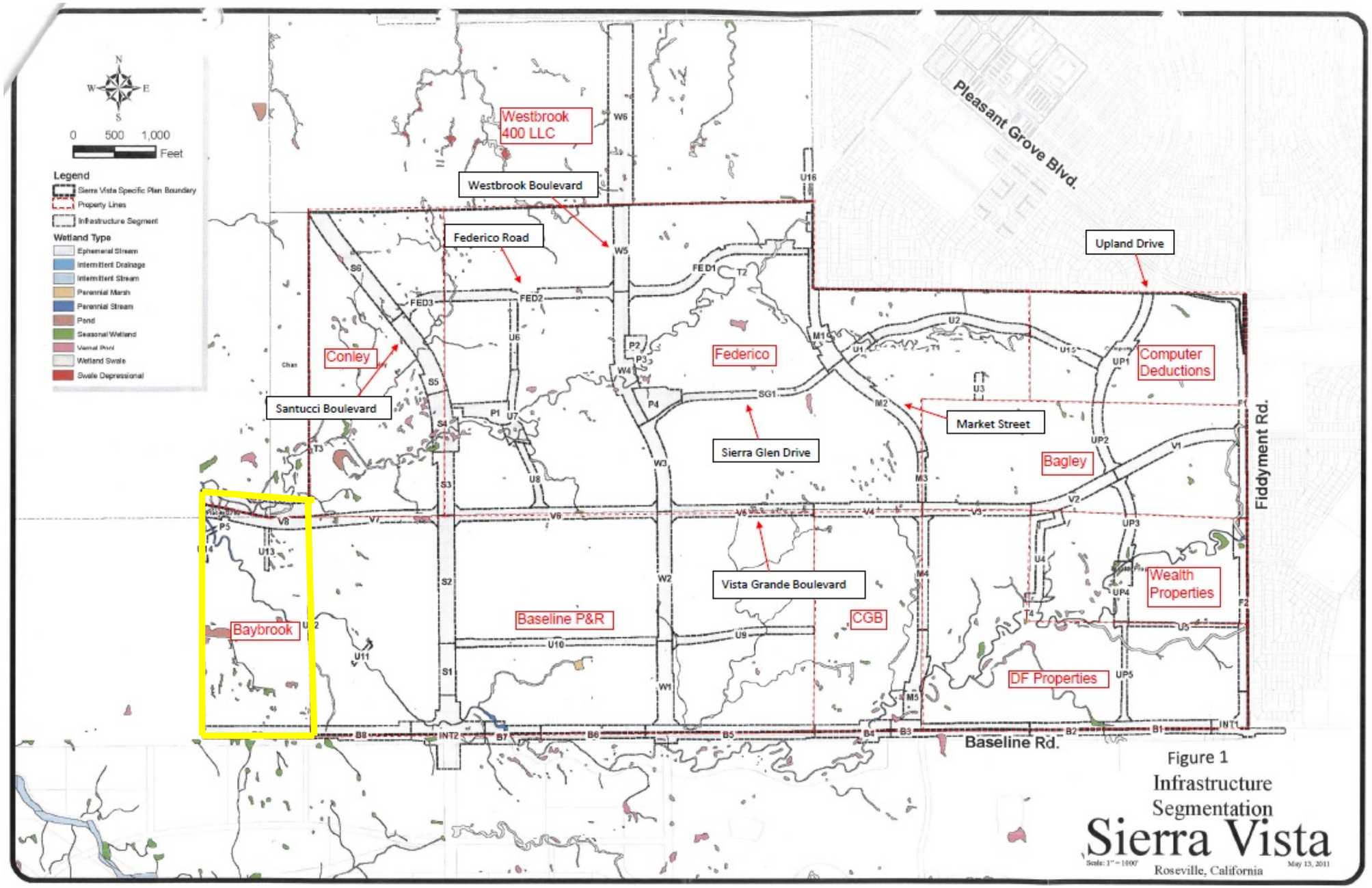

Figure 1 – Site Vicinity Map

Aquatic Resource Type	Temporary			Permanent					
				Physical Loss of Area			Degradation of Ecological Condition Only		
	Acres	Cubic-yards	Linear-feet	Acres	Cubic-yards	Linear-feet	Acres	Cubic-yards	Linear-feet
Stream Channel	-	-	-	0.0534	-	-	-	-	-
Vernal Pools	-	-	-	0.3086	-	-	-	-	-
Pond	-	-	-	1.0450					
Wetland	-	-	-	1.2470	-	-	-	-	-
Total	-	-	-	**2.6540**	-	-	-	-	-

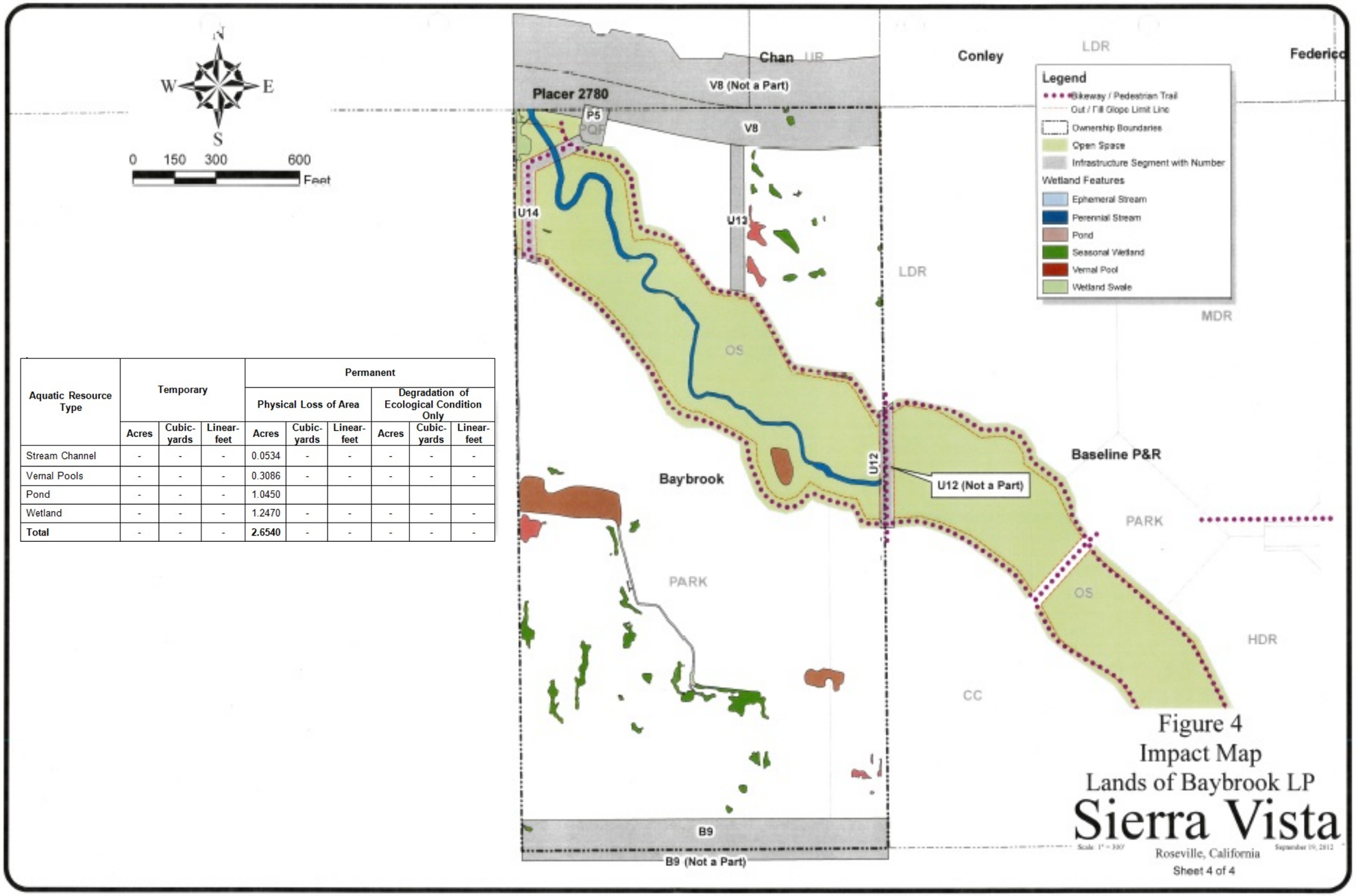

Figure 2 – Site Impacts Map