



OFFICE OF THE VICE CHANCELLOR
FOR CAPITAL PROJECTS

BERKELEY, CALIFORNIA 94720-1382

July 16, 2003

Chancellor Berdahl

RE: **Project and Environmental Approval for the
Richmond Field Station Remediation Project, SCH #2003052124**

Capital Projects has reviewed the project referenced above pursuant to the California Environmental Quality Act (CEQA) statutes, the CEQA Guidelines, and the UC Procedures for Implementation of CEQA, and has prepared the attached Initial Study (IS) and Mitigated Negative Declaration to evaluate the project as a whole. The IS concluded that the project as mitigated will not have a significant environmental effect.

The project IS was circulated by the State Clearinghouse, Office of Planning and Research for a public review period extending from May 28, 2003 to June 26, 2003. The campus extended the comment period through June 30, 2003. A public notice of the project was placed in the Contra Costa Times on May 30, 2003. The campus received informal comments from City of Richmond staff during the public review period (see attached).

City of Richmond staff sent letters to campus staff related to the wastewater ponds component of the RFS Remediation project. The City of Richmond proposes an alternative site for the wastewater ponds, which may be considered by the Campus if and when that proposal is developed further. Additionally, the City of Richmond suggested that their new location for the wastewater ponds should be analyzed in the RFS Remediation Project Mitigated Negative Declaration. The campus rejected this proposal at this time because a) the RFS Remediation Project is closely timed to permit remediation activities to proceed with the least effect to wildlife; b) the alternative site is speculative at this time. Revision of the RFS Remediation Mitigated Negative Declaration to include the new site would require time to develop the new site proposal, commitments from the City of Richmond about the new site, and may also require recirculation of the RFS Remediation Project Mitigated Negative Declaration, unacceptably impacting the RFS Remediation Project schedule; c) the campus has a unique mission to facilitate research. By contrast to the proposed pond site, the City of Richmond site may be subject to third party delays and approvals. While the campus eagerly looks to a potential partnership with the City of Richmond at its alternative site, certification of the RFS Remediation Project Mitigated Negative Declaration as written permits the campus to proceed with the desired research project if the alternative site remains speculative.

In electronic mail transmitted by City of Richmond staff to UC Berkeley staff, the City conjectured that a public hearing should be held for the Mitigated Negative Declaration, and that the wastewater ponds would adversely impact development opportunities near the RFS site. However, a public hearing is not required for a negative declaration under CEQA, and potential adverse effects of the wastewater ponds were analyzed and disclosed in the Initial Study/Mitigated Negative Declaration. Accordingly, no changes have been made to the RFS Remediation Project Mitigated Negative Declaration.

University certification of the Mitigated Negative Declaration and Initial Study, adoption of the attached Findings and Mitigation Monitoring and Reporting Program, and approval of the project, is recommended.

PROJECT CHARACTERISTICS

The Richmond Field Station is an educational and research facility of UC Berkeley. Recent environmental investigations have indicated the presence of chemicals of concern (COCs) primarily metals and polychlorinated biphenyl (PCBs) at concentrations posing a risk to human health and the environment. The primary sources of the metals and PCBs appear to be unrelated to University activities. However, the Regional Water Quality Control Board (RWQCB) has determined that UC, as the current site owner, is liable for releases originating at the site; the RWQCB issued orders requiring the clean up of the RFS and the adjacent site. The primary purpose of the RFS Remediation project is to reduce COC concentrations to below acceptable risk levels, in compliance with the RWQCB order.

Due to the widespread occurrence of COCs in the area, removal of the majority of the marsh would have been required to clean up all of the COCs that exceed site-specific target levels (SSTLs) for the marsh. However, removal of the entire marsh would be extremely disruptive to the ecosystem and special status plants and wildlife that inhabit the marsh and the surrounding area. The campus therefore proposed a phased remediation risk management approach that is sensitive to the local environment, minimizing environmental impacts.

The primary project objectives are to: Remediate contamination in the upland and marsh environments as required by Regional Water Quality Control Board Order Number 01-102; Reduce exposure of COCs to human and ecological receptors to concentrations below toxic levels; Preserve the existing functionality of Meeker Slough; and Enhance the existing and future beneficial ecological and human uses of Western Stege Marsh.

The action before the University for this project, therefore, is approval of the multi-phased remediation effort, and replacement of the wastewater research treatment ponds disassembled to make way for the remediation project, at a new site at the northeast corner of the property. The new site for the ponds is previously disturbed. To accommodate the ponds some of Building 280, aka the Fog Building, would be demolished and replaced with treatment pond facilities. The maximum surface area for the ponds would be 34,000 square feet.

ENVIRONMENTAL REVIEW SUMMARY

The recommendation for approval of this project is subject to your review and consideration of the environmental consequences of the project as described in the attached IS and Mitigated Negative Declaration. The IS identified potential environmental impacts that could be mitigated to less than significant levels. The LRDP EIR contains measures to mitigate the impacts of proposed campus projects; appropriate measures from the LRDP EIR have been incorporated into the RFS Remediation Project.

Based on the analysis provided in the Initial Study/Mitigated Negative Declaration, it was determined that the project might result in new, potentially significant project-specific impacts in the areas of biological resources and noise. On the basis of the Initial Study/Mitigated Negative Declaration, the project incorporation of the LRDP EIR mitigation measures, and proposed implementation of mitigation measures for biological resources and noise, there is no substantial evidence that the project as mitigated will have a significant effect on the environment.

The attached Initial Study/Mitigated Negative Declaration is accompanied by a Mitigation Monitoring Program to assure that all mitigation measures are implemented in accordance with CEQA.

FINDINGS

The University of California Berkeley has reviewed the proposed project in accordance with the California Environmental Quality Act (CEQA) and the University of California's procedures for the implementation of CEQA. As analyzed in the IS, the project will not result in significant effects. All relevant 1990 LRDP EIR and project-specific mitigation measures, as identified in the IS/Mitigated Negative Declaration, are made a condition of project approval.

In addition, CEQA requires the Lead Agency approving the project to adopt a mitigation monitoring and reporting program (MMRP) for changes to the project that it adopts or makes a condition of project approval in order to ensure compliance during project implementation. This project incorporates relevant LRDP EIR mitigation measures previously adopted by The Regents, and incorporates new project-specific mitigation measures to reduce noise and biological resource impacts. Implementation of these project and program level mitigation measures by this project will be monitored pursuant to the attached mitigation monitoring program. Please also see the attached Findings.



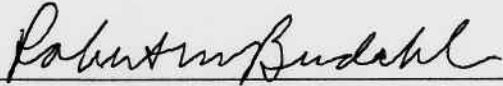
Edward J. Denton, A.I.A.
Vice Chancellor-Capital Projects

PROJECT APPROVAL

The University finds that changes or alterations have been required in, or incorporated into, the Approval for this project. These changes or alterations mitigate to a less-than-significant level or avoid the potentially significant environmental effects of the project as identified in the Initial Study/Mitigated Negative Declaration. Substantial evidence in the record as a whole supports the conclusion that the project as proposed and mitigated will not result in any new significant effect on the environment. As set forth in greater detail in the attached Findings, which are incorporated by reference herein, on behalf of the University of California I hereby take the following actions:

- a. Approve and incorporate into the project all project elements, relevant 1990 LRDP EIR mitigation measures, mitigation measures, and the mitigation monitoring program. Having certified the IS and Mitigated Negative Declaration, conditioned the project as described above, and adopted Findings, the University hereby approves the Richmond Field Station Remediation project.

APPROVED:


Chancellor Robert M. Berdahl


Date

Attachments

cc: UCOP: Director Zimmermann
OGC: University Counsel Waltner
UCB: Vice Provost Webster
Assistant Vice Chancellor Gayle
Assistant Vice Chancellor Koster
Assistant Vice Chancellor Lollini
Director Shackleton

**CALIFORNIA ENVIRONMENTAL QUALITY ACT FINDINGS
IN CONNECTION WITH THE APPROVAL OF THE RICHMOND FIELD STATION
REMEDICATION PROJECT**

UNIVERSITY OF CALIFORNIA, BERKELEY

I. CERTIFICATION OF THE MITIGATED NEGATIVE DECLARATION

Pursuant to Title 14, California Code of Regulations, Section 15074, the Chancellor of the University of California at Berkeley ("Chancellor"), through authority delegated from the Regents, University of California ("The Regents") hereby certifies that the Mitigated Negative Declaration, including the Initial Study, for the Richmond Field Station Remediation project ("RFS Remediation Project" or the "Project") at the Richmond Field Station of the University of California, Berkeley (the "University") has been completed in compliance with the California Environmental Quality Act, Public Resources Code Sections 21000, et seq. ("CEQA"), and that the Mitigated Negative Declaration was presented to The Chancellor and that The Chancellor has reviewed and considered the information contained in the Mitigated Negative Declaration prior to approving the Project, as set forth below in Section III. As part of this certification, The Chancellor hereby finds that the Mitigated Negative Declaration reflects the independent judgment and analysis of the University, and adopts the Mitigated Negative Declaration.

II. FINDINGS

The following Findings are hereby adopted by The Chancellor pursuant to Title 14, California Code of Regulations, Section 15074, in conjunction with the Approval of the Project, which is set forth in section III, below.

A. Environmental Review Process

An Initial Study and proposed Mitigated Negative Declaration were prepared for the Project in accordance with CEQA and the University of California Procedures for the Implementation of CEQA.

The Initial Study was prepared to determine whether the RFS Remediation project would result in any significant environmental impacts or would require mitigation measures to reduce potential environmental impacts.

The Initial Study analyzes the potential project impacts in the following environmental topic areas: (1) aesthetics (2) agricultural resources (3) air quality (4) biological resources (5) cultural resources, (6) geology and soils (7) hazards and hazardous materials (8) hydrology and water quality (9) land use and planning (10) noise (11) population and housing (12) public services (13) recreation (14) transportation and traffic (15) utilities and service systems.

RICHMOND FIELD STATION REMEDIATION PROJECT

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The Initial Study indicates that the proposed Project could result in new environmental impacts in the areas of Biological Resources (adverse effect on candidate, sensitive, or special status species and/or their habitat; adverse effect on a sensitive natural community; adverse effect on wetlands) and Noise (exceed established standards during construction). Mitigation measures were included in the Initial Study that would reduce these impacts to a level where no significant impact will occur. Based on this analysis, the campus prepared a proposed Mitigated Negative Declaration that reflects these conclusions.

The proposed Initial Study and Mitigated Negative Declaration were submitted to the State Clearinghouse in the Office of Planning and Research and circulated for a 30-day public review period beginning on May 28, 2003, and ending on June 26, 2003 (SCH #2003052124). The campus extended the comment period through June 30, 2003. During that time, the documents were reviewed by various federal, state, and local agencies, as well as by interested individuals and organizations. Informal comments from City of Richmond staff were received by the campus during the public review period and these comments have been reviewed and considered by The Chancellor.

City of Richmond staff sent letters to campus staff related to the wastewater ponds component of the RFS Remediation project. The City of Richmond proposes an alternative site for the wastewater ponds, which may be considered by the Campus if and when that proposal is developed further. The City of Richmond also requested that CEQA documentation be prepared at this time to evaluate the alternative site that it proposes. However, CEQA does not require consideration of alternatives in the context of a negative declaration, the ability to pursue the City's proposed alternative wastewater pond location currently is speculative, and delaying the overall remediation project during the preparation of such documentation would result in corresponding and unacceptable delays in the environmental benefits of that remediation. The City of Richmond did not comment on the other aspects of the project, and the City's comments did not request that the Campus prepare an environmental impact report in connection with the Project.

In electronic mail transmitted by City of Richmond staff to UC Berkeley staff, the City suggested that a public hearing be held for the Mitigated Negative Declaration, and that the wastewater ponds would adversely impact development opportunities near the RFS site. However, a public hearing is not required for a negative declaration under CEQA, and all of the adverse effects of the wastewater ponds are adequately addressed in the Mitigated Negative Declaration. Accordingly, no changes have been made to the RFS Remediation Project Mitigated Negative Declaration.

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B. Relation of the Project to the 1990 LRDP EIR

All mitigation measures in the 1990 LRDP EIR relevant to the Project, as identified in the Project Initial Study, as well as all Project components described in the Initial Study, are included in the approval and made conditions of the Project.

The Project is otherwise outside the scope of the 1990 LRDP due to its Richmond Field Station location.

The following discussion elaborates on the disposition of each potentially significant new impact identified in the Initial Study and related mitigation measures:

1. Biological Resources.

The Initial Study indicates that the project could have an adverse effect on species identified as a candidate, sensitive, or special status species. Project Mitigation Measures Bio-1a through Bio-1d would reduce the risk of potential impacts to the California clapper rail or their habitat at the project site during construction, through the use of surveys to determine nesting sites, through limiting work in the vicinity of nesting sites, through limiting construction to the post-breeding season, and through compliance with USFWS consultation procedures. Once completed, the project will result in beneficial impacts to the clapper rail through habitat improvement and reduction of health risks due to removal of toxic contaminants (see page 48 and 49 of the Initial Study). Project Mitigation Measure Bio-2 would reduce the risk of potential impacts to non-listed sensitive wildlife species that may occur in the project area, including the short-eared owl and western burrowing owl, through the use of pre-construction surveys and, in consultation with the California Department of Fish and Game (hereafter, CDFG), the imposition of construction buffer zones if active nests are found. Project Mitigation Measure Bio-3 would reduce the risk of potential impacts to the white tailed kite or their habitat at the project site during construction through pre-construction surveys and limiting construction activities. Once completed, the project will result in beneficial impacts to the kite through habitat improvement and reduction of health risks due to removal of toxic contaminants (see pages 51 and 52 of the Initial Study).

The Initial Study indicates that the project could have an adverse effect on plant species identified as a candidate or special status, or unlisted plants that may be endangered, threatened or rare in the project area. Project Mitigation Measures Bio-4a and Bio-4b would reduce the risk of potential impacts to these plants through pre-construction plant surveys, limiting construction areas, and transplanting and redistributing seed. Long-term impacts of the project to species in wetland sensitive natural communities are anticipated to be beneficial (see p 54 of the Initial Study).

RICHMOND FIELD STATION REMEDIATION PROJECT

Project CEQA Findings

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The Initial Study indicates that the project could have an adverse effect on sensitive natural communities in the Project Area. Project Mitigation Measure Bio-5 would reduce the risk of potential impact to these areas by fencing and avoiding the area, or restoring an equal area in the on-site ecotone or other designated area. Measures would be refined in consultation with the CDFG. Long-term impacts to wetland sensitive natural communities are anticipated to be beneficial (see page 56 of the Initial Study).

Mitigation measures Bio-6 through Bio-9 would restore and enhance the tidal wetland, expand and enhance the marsh ecotone, remove concrete debris, and manage non-native vegetation in the project area, resulting in further beneficial impacts to natural areas at the RFS.

2. Noise.

The Initial Study indicates that construction equipment required to implement the project could result in noise impacts exceeding City of Richmond standards. Project Mitigation Measures Noise-1 through Noise-10, applying noise control measures such as limited work hours, equipment noise shrouds, and limiting noisy activities would reduce noise to levels approaching but not exceeding applicable City noise standards (see pp 78 to 82 of the Initial Study).

C. Additional Findings.

1. These Findings incorporate by reference in their entirety the texts of the Initial Study and Mitigated Negative Declaration prepared for the Project. Without limitation, this incorporation is intended to elaborate on the scope and nature of the Project and cumulative development impacts, related mitigation measures, and the basis for determining the significance of such impacts.

2. CEQA requires the Lead Agency approving a Project to adopt a monitoring program for changes to the Project that it adopts or makes a condition of Project approval in order to ensure compliance during Project implementation. The Mitigation Monitoring Program for the project-specific mitigation measures that accompanies the Final Mitigated Negative Declaration has been prepared to serve this purpose, and is hereby adopted by the Chancellor.

3. Various documents and other materials constitute the record of proceedings upon which The Chancellor bases its findings and decisions contained herein. Most documents related to this Project are located in the Capital Projects Physical and Environmental Planning offices at 1936 University Avenue, Suite 300, Berkeley CA 94720. The custodian for these records of proceedings is the Physical and Environmental Planning Office, Capital Projects, UC Berkeley.

RICHMOND FIELD STATION REMEDIATION PROJECT

Project CEQA Findings

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D. Summary

Based on the foregoing Findings and the information contained in the record, The Chancellor has made the following finding with respect to the Project:

1. There is no substantial evidence in the record that the Project as mitigated may have any significant effect on the environment.

III. APPROVALS

The Chancellor hereby takes the following actions:

- A. The Chancellor hereby certifies the Mitigated Negative Declaration for the Project, as described in Section I, above.
- B. The Chancellor hereby approves and makes a condition of the Project all Project elements, project mitigation measures, and relevant LRDP EIR mitigation measures identified in the Project Final Initial Study.
- C. The Chancellor hereby adopts the Findings in their entirety as set forth in Section II, above.
- D. Having independently reviewed and considered the Initial Study and Mitigated Negative Declaration, conditioned The Project as described above, incorporated mitigation measures into the Project as conditions of Project approval, and adopted the Findings, The Chancellor hereby approves the Richmond Field Station Remediation Project.

Richmond Field Station Remediation Project

SCH#2003052124

Letters Received

for project approval packet, July 2003



Jennifer Lawrence
06/18/03 12:10 PM

To: olson@sanger-olson.com
cc: alan.waltner@ucop.edu, hope.schmeltzer@ucop.edu
Subject: RFS Remediation: Attachment (3)

----- Forwarded by Crystal Barriscale/CapitalProjects on 06/17/2003 09:54 AM -----



"Richard Mitchell"
<Richard_Mitchell@ci.richmond.ca.us>
06/13/2003 11:16 AM

To: <cbarriscale@cp.berkeley.edu>
cc: <nelson@ce.berkeley.edu>, "Rich McCoy"
<Rich_McCoy@ci.richmond.ca.us>, <mhryciw@cp.berkeley.edu>,
<tlollini@cp.berkeley.edu>, <trishc@uclink4.berkeley.edu>
Subject: Re: Replacement Wastewater Treatment Research Ponds

The Redevelopment Agency and the Public Services Department would like to follow up on our suggestion that you locate your settlement pond project adjacent to our treatment facility located on Canal Boulevard. This location is safe, accessible and provides an opportunity to consolidate similar uses in a single location.

Your proposal to locate the settlement ponds at the northwestern corner of your property is inconsistent with goals and objectives of the Redevelopment Agency for Area 6-A. As we stated during our discussions with you and with other members of your distinguished organization, the City and Redevelopment Agency have high expectations for the University. We want to work with you to develop a long term plan for your site that takes advantage of its waterfront location and brings more traditional University activity to your facility. Your treatment pond project will not move in that direction. Moreover, the proposed treatment facility will have an adverse impact on current and proposed development in the surrounding area.

I will be sending an overhead photo along with other basic information about our treatment facility. After you receive it we should arrange for you and your representatives to visit the operation.



Jennifer Lawrence

06/18/03 12:11 PM

To: olson@sanger-olson.com
cc: alan.waltner@ucop.edu, hope.schmeltzer@ucop.edu
Subject: RFS Remediation: Attachment (4)

----- Forwarded by Crystal Barriscale/CapitalProjects on 06/17/2003 09:55 AM -----



"Richard Mitchell"
<Richard_Mitchell@ci.richmond.ca.us>

06/13/2003 11:26 AM

To: <cbarriscale@cp.berkeley.edu>
cc: "Gary Hembree" <Gary_Hembree@ci.richmond.ca.us>, "Morty Prisament" <Morty_Prisament@ci.richmond.ca.us>, "Rich McCoy" <Rich_McCoy@ci.richmond.ca.us>
Subject: Re: Richmond Field Station, neighborhood contacts

Virginia Finley is the President of the Marina Bay Neighborhood Association. Her telephone number is 908-5313. The Neighborhood association meets on the second Wednesday of every month and they send out their agendas thirty days in advance. Please call Virginia and find out when you can make a presentation. Bio Rad, Safeway Bakery, Grace Baking Company and several other businesses will be directly impacted by your proposal. How do you plan to get in touch with them?



Jennifer Lawrence

06/18/03 12:12 PM

To: olson@sanger-olson.com
cc: alan.waltner@ucop.edu, hope.schmeltzer@ucop.edu
Subject: RFS Remediation: Attachment (5)

----- Forwarded by Jennifer Lawrence/CapitalProjects on 08/18/03 12:19 PM -----



Crystal Barriscale

06/16/03 10:49 AM

To: Mike Hryciw/CapitalProjects@CapitalProjects, Jennifer Lawrence/CapitalProjects@CapitalProjects, patrick.schlesinger@ucop.edu, Tom Lollini/CapitalProjects@CapitalProjects, Emily Marthinsen/CapitalProjects@CapitalProjects
cc:
Subject: Re: Richmond Field Station CEQR City of Richmond contesting process

All,

Please read the below email from the City of Richmond Redevelopment agency. This must be part of their argument they gave their attorneys, 'Cox Castle' in SF.

Regards,

Crystal Barriscale AIA AICP
Senior Planner
Capital Projects/Physical and Environmental Planning
A&E Building, Room 202
University of California, Berkeley 94720-1382

TEL (510) 643-4392
FAX (510) 642-9442
cbarriscale@cp.berkeley.edu

----- Forwarded by Crystal Barriscale/CapitalProjects on 06/16/2003 10:34 AM -----



"Richard Mitchell"
<Richard_Mitchell@ci.richmond.ca.us>

06/13/2003 11:40 AM

To: <cbarriscale@cp.berkeley.edu>
cc: "Rachel Dragolovich" <Rachel_Dragolovich@ci.richmond.ca.us>
Subject: Re: Richmond Field Station, neighborhood contacts

I appologize for the sudden foray of e-mails but i'm passing information on to you as I receive it.

As part of the comment period attached to the Field Station Remediation Project, your consultant (URS) should have scheduled a noticed public scoping session. Given requirements for notice I don't believe that the 6/27 deadline will work.

Please let us know how URS will handle the notice and meeting requirement.

The logo for the City of Richmond features a stylized, circular emblem with a white arrow pointing to the right, set against a dark background. The word "Richmond" is written in a bold, serif font across the middle of the emblem, with "City of" in a smaller font above it.

City of
Richmond

**Public Services Department
Administration**

June 25, 2003

Ms. Crystal Barriscale, AIA, AICP
Senior Planner, Physical and Environmental Planning

Mr. J. Kevin Hufferd
Senior Planner, Physical and Environmental Planning
300 A&E Building
Berkeley, CA. 94720-1382

**RICHMOND FIELD STATION REMEDIATION AND RELOCATION OF
SETTLEMENT PONDS**

Following up on my June 20th offer to accommodate your water treatment project at our Canal Boulevard wastewater treatment facility, this letter addresses your questions about the timing and entitlement process.

We will request City Council authorization to enter into a five-year lease with the University and a five-year option for renewal of the lease. This lease would be provided at little or no cost to the University provided that the proposed project is cosmetically screened by a fence and hedge similar to what you are proposing for the Richmond Field Station. We would expect the University to provide insurance for its equipment and personnel as it would with any other property lease.

Since the University has filed an application to adopt a mitigated negative declaration for remediation at the Field Station under CEQA, your consultant, URS, can include our site as an alternative location for your settlement ponds. We believe that a construction permit can be issued based upon the temporary nature of your project, its ability to be constructed within the boundary of the existing facility, and its similarity to the function that currently exist on the site.

If you have additional questions, please call me at (510) 620-6828. We are looking forward to working with you.


RICH MC COY, P.E.
PUBLIC SERVICES DIRECTOR

Cc: Steve Duran
Rich Davidson
J. Kevin Hufferd
Richard Mitchell

1401 Marina Way South, Richmond California 94804

telephone: 510-620-6538
fax: 510-307-8116

City of
Richmond



**Public Services Department
Administration**

June 20, 2003

Ms Crystal Barriscale, AIA, AICP
Senior Planner, Physical and Environmental Planning
Capital Projects
300 A&E Building
Berkeley, CA. 94720-1382

**RICHMOND FIELD STATION REMEDIATION AND RELOCATION OF SETTLEMENT
PONDS**

As I discussed during our meeting last month, the City of Richmond has space at our existing wastewater treatment facility to accommodate your water treatment project. This space is located between Canal Boulevard and the eastern facing portion of our facility.

I have enclosed a site schematic and a photo of the treatment plant. The highlighted area represents a proposed location for your wastewater research ponds. The City-owned facility, operated under contract with U.S. Filter, is located on the west side of Canal Boulevard and offers a variety of advantages to the University.

This location offers several advantages:

- a) The Canal Boulevard site provides the University with an opportunity to conduct research adjacent to an existing treatment facility. Your researchers can make side-by-side comparisons between conventional treatment methods and your experimental ponds.
- b) Classroom, laboratory and office space is available at the plant and in an office park adjacent to the treatment facility.
- c) Your research staff will have easy access to restaurants and services in the Point Richmond Village, and they will only be minutes away from your Field Station, City and regional Parks, and the Bay Trail.
- d) The University can seek uses for the high visibility north western corner of the Western Research Center that are more compatible with surrounding businesses.

Ms. Crystal Barriscale, AIA, AICP
Senior Planner, Physical and Environmental Planning
Page 2
June 23, 2003

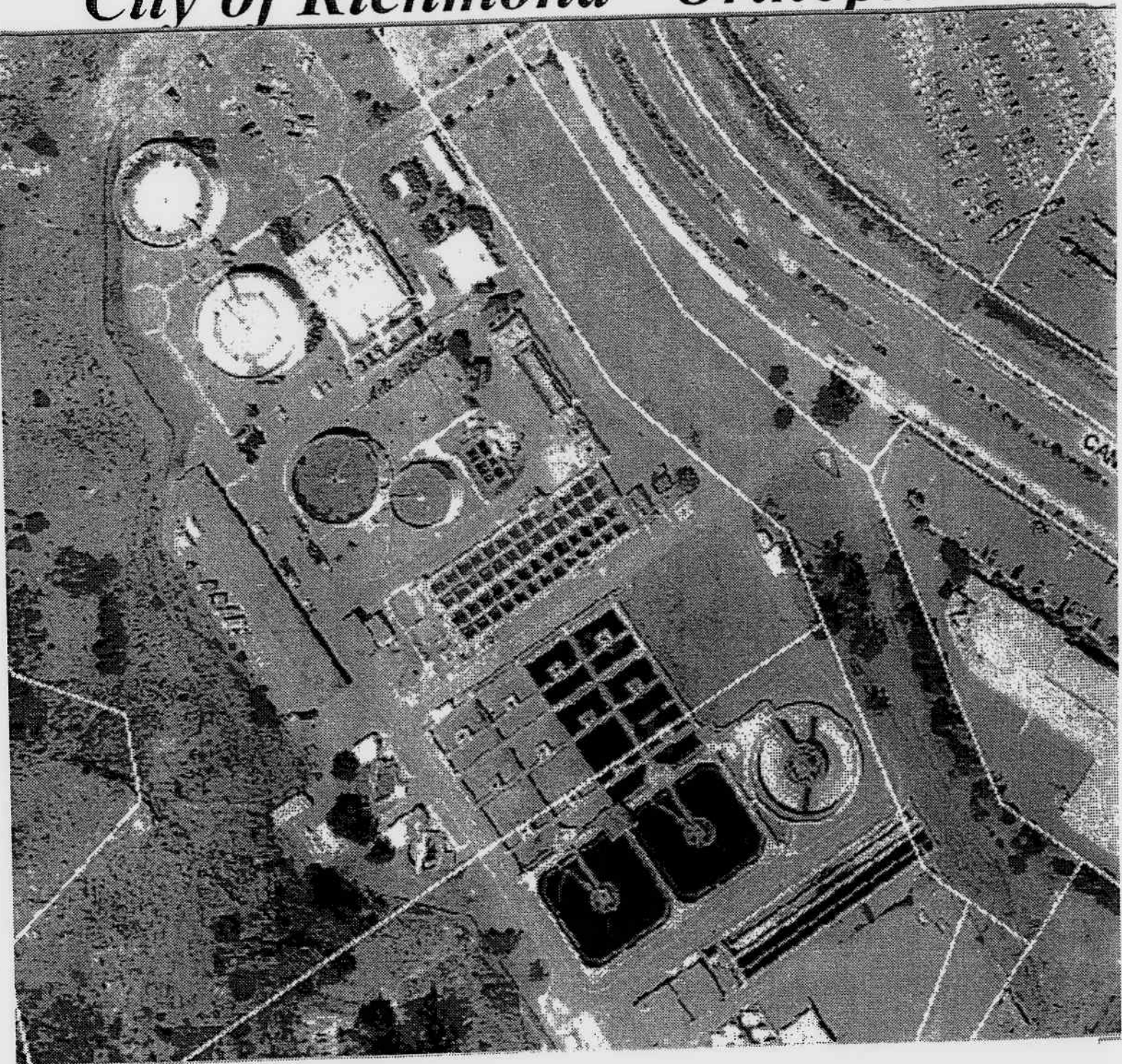
We realize that you need more information in order to evaluate this option. After you have had an opportunity to review this material, please call me at (510) 620-6828.



RICHARD MC COY
PUBLIC SERVICES DIRECTOR

cc: Steve Duran, Community and Economic Development Director
Rich Davidson, Deputy Public Works Director/City Engineer
J. Kevin Hufferd, Sr. Planner, Physical and Environmental Planning
Richard Mitchell, Development Project Manager II

CITY OF RICHMOND - ORINOPHOTO



522 200 | 1 458 100

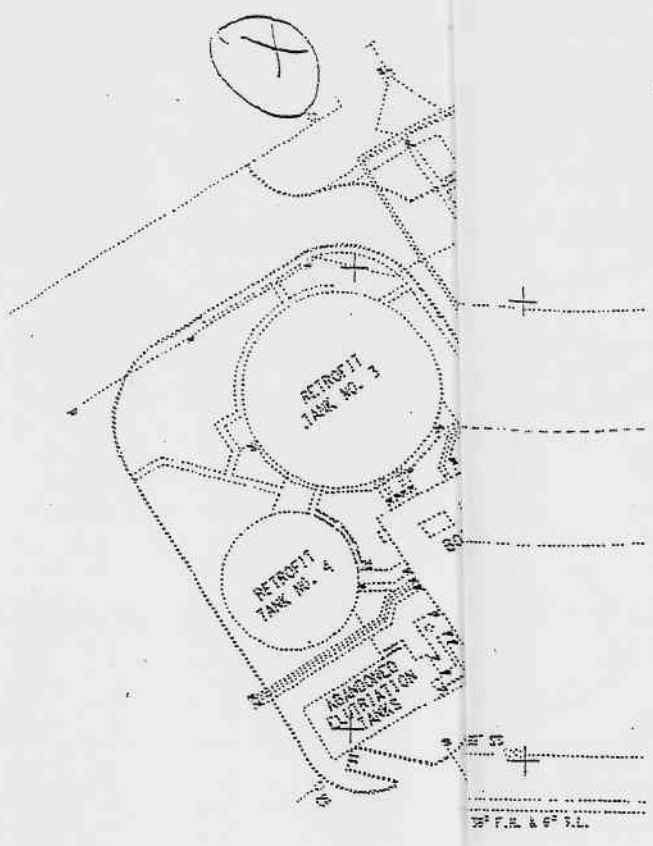
522 400 |

521 200 |

| 1 458 300

| 1 458 500

| 1 458 700




20' F.R. & 6" S.L.

SHEET NOTES:

1. INSTALL NEW 75A CIRCUIT BREAKER WITH TERMINAL BLOCK WIRE REPLACEMENT, SIZE #4 WIRE/4 EACH.
2. RUN CONDUIT UNDERGROUND IN DUCTBANK, STUB-UP IN ELECTRICAL SUBSTATION AND RUN EXPOSED CONDUIT OVERHEAD TO FEED INTO EXISTING PANEL BOARD.
3. RUN CONDUIT UNDERGROUND DUCTBANK, STUB-UP INTO SLUDGE PUMP BUILDING AND RUN EXPOSED CONDUIT OVERHEAD TO FEED INTO EXISTING PANEL "A".

BY CONSULTANT/ odr-1a
 21-FEB-2003 11:10A
 C:\WP1\B1\DATA\DATA\DRAWERS\SCADD\shwf-scdd\endunz255e003.dbl

	EAST BAY MUNICIPAL UTILITY DISTRICT SPECIAL DISTRICT No. 1 OAKLAND, CALIFORNIA	
	WEST COUNTY LANDFILL BYPASS PIPELINE	
N/A	ELECTRICAL CITY OF RICHMOND WPCP SITE PLAN	
W.S. SAVAGE	FACILITY:	DRAWING NO. SD255-E-003
J. WONG	SCALE: 1" = 48' DATE: MARCH 2002	SHEET 38 OF 38
SPECIFICATION NO: 01255		



"Richard Mitchell"
<Richard_Mitchell@ci.
richmond.ca.us>

06/13/2003 11:16 AM

To: <cbarriscale@cp.berkeley.edu>

cc: <nelson@ce.berkeley.edu>, "Rich McCoy"

<Rich_McCoy@ci.richmond.ca.us>, <mhryciw@cp.berkeley.edu>,

<tollini@cp.berkeley.edu>, <trishc@uclink4.berkeley.edu>

Subject: Re: Replacement Wastewater Treatment Research Ponds

The Redevelopment Agency and the Public Services Department would like to follow up on our suggestion that you locate your settlement pond project adjacent to our treatment facility located on Canal Boulevard. This location is safe, accessible and provides an opportunity to consolidate similar uses in a single location.

Your proposal to locate the settlement ponds at the northwestern corner of your property is inconsistent with goals and objectives of the Redevelopment Agency for Area 6-A. As we stated during our discussions with you and with other members of your distinguished organization, the City and Redevelopment Agency have high expectations for the University. We want to work with you to develop a long term plan for your site that takes advantage of its waterfront location and brings more traditional University activity to your facility. Your treatment pond project will not move in that direction. Moreover, the proposed treatment facility will have an adverse impact on current and proposed development in the surrounding area.

I will be sending an overhead photo along with other basic information about our treatment facility. After you receive it we should arrange for you and your representatives to visit the operation.



Tom Lollini

06/19/03 09:48 AM

To: Kevin Hufferd

cc:

Subject: Replacement Wastewater Treatment Research Ponds

FYI

----- Forwarded by Tom Lollini/CapitalProjects on 06/19/2003 09:50 AM -----



Crystal Barriscale

06/05/2003 04:00 PM

To: rich_mccoy@ci.richmond.ca.us

cc: richard_mitchell@ci.richmond.ca.us, nelson@ce.berkeley.edu, Mike Hryciw/CapitalProjects@CapitalProjects, tollini@cp.berkeley.edu, trishc@uclink4.berkeley.edu

Subject: Replacement Wastewater Treatment Research Ponds

Rich,

Please note that it is now June and we have not had any response from you or the City of Richmond regarding the City's interest in relocating the wastewater research ponds onto your municipal facility. Although this issue has been on the table since January, we have never received a written proposal of City's offer.

As stated in our letter dated May 21, 2003, the timely replacement of these ponds is critical to the UC Berkeley academic mission. Due to our academic and construction scheduling constraints, we are now proceeding with the design of the ponds on our property as described in the recently issued Initial Study CEQA document. Any always, I am available to discuss this further.

Regards,

Crystal Barriscale AIA AICP
Senior Planner
Capital Projects/Physical and Environmental Planning
A&E Building, Room 202
University of California, Berkeley 94720-1382

TEL (510) 643-4392
FAX (510) 642-9442
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CAPITAL PROJECTS

BERKELEY

20-1380

May 21, 2003

Rich McCoy, P.E., Public Services Director
City of Richmond
Department of Public Services
1401 Marina Way South
Richmond, CA 94804

Re: Replacement Wastewater Treatment Research Ponds

Dear Rich,

It was a pleasure to meet you and your colleagues last week and discuss the current status of UC Berkeley (UCB) activities at the Richmond Field Station. I'm writing to remind you of UCB's implementation schedule for our replacement project and reaffirm the opportunity for the City of Richmond to propose an alternative replacement site.

As you know, UCB continues to execute in phases the mandated Order to remediate the contaminated marshlands and soils. During this past year's remediation work, our wastewater research ponds were removed to create improved marsh and habitat area. UCB now needs to replace these research ponds as soon as possible to continue our critical research and teaching commitments. Therefore, in our pending CEQA Initial Study, we will be including new research ponds in the location of the northern section of Building 280 (the Fog Building) on our property. We have identified this location as having the least implementation impacts.

We understand that the City has offered to have the research ponds located on the municipal wastewater treatment site. Although we have looked at the site before, we are willing to revisit this alternative should you wish to make a written proposal. In order to consider this alternative, we need to fully understand the research facilities available, operation details, costs and implementation schedule for this site. An expedient implementation process, access, transportation, and connectivity to the campus are among the critical UCB issues for the site selection.

Due to our project scheduling concerns, we need to review a proposal immediately. We have arranged to have Vice Provost William Webster, Prof. Kara Nelson, and other UCB representatives available to meet with you, if necessary. Already, a couple weeks have transpired since we offered to meet with you. However, due to our limited opportunity for construction before the winter, we need to bring closure on this decision *before the end of this month*.

UC Berkeley
Replacement Wastewater Treatment Research Ponds

Please directly forward your proposal to Patricia Cascardi at Vice Provost Webster's office at 642-9018 or trishc@uclink4.berkeley.edu as soon as possible. I would appreciate being copied on any communications as well.

We look forward to hearing from you shortly and thank you again for working with us.

Sincerely,

Crystal Barriscale AIA AICP
Senior Planner
Capital Projects, Physical and Environmental Planning
510 642-4392

cc: Tom Mitchell, Chief of Redevelopment, City of Richmond
Richard Mitchell, Development Project Manager, City of Richmond
Vice Provost William C. Webster, UC Berkeley
Prof. Kara Nelson, Civil Engineering, UC Berkeley
Director Tom Lollini, Capital Projects, UC Berkeley
Mike Hryciw, Project Manager, UC Berkeley



BERKELEY, CALIFORNIA 94720-1380

CAPITAL PROJECTS

Richmond Field Station – Pond Relocation Project

Meeting with the City of Richmond

Meeting Summary – April 11, 2003

Distribution to UCB staff only.

Attending:

Gary Hembree, Sr. Development PM, Redevelopment Agency, City of Richmond
Richard Mitchell, Development PM, Redevelopment Agency, City of Richmond
Kara Nelson, UCB Dept of Engineering
Kate Bolton, UCB Capital Projects
Kevin Hufferd, UCB Capital Projects
Crystal Barriscale, UCB Capital Projects

1. UC Berkeley – Research Ponds Project Update

UCB representatives gave an overview of the project: context, research, the facility and landscape improvements.

A handout was provided that included:

- RFS Site Plan with Proposed Ponds located.
- Plan of Research Pond Layout
- Pond Sections – 2

The City noted the anticipated improvements on adjoining parcels, including an Extended Stay Hotel at the Regatta Interchange. The research ponds are not consistent with the long-term improvements that they seek for this area. They felt there would be community opposition. Gary Hembree offered to set up two initial meetings with the:

- Executive committee of Marina Bay Housing Neighborhood.
- Barry Cromartie, new Planning Director and Steve Duran, Community and Economic Dev. Director

2. UC Berkeley – Site Planning Update

UCB representatives gave an overview of the new initiative to further refine the site planning to support research and development uses.

The City noted that they desire higher-density, mid-rise development, including housing, along this area of the Richmond waterfront. They would not endorse single family housing on future developments.

UCB noted a desire for landscape and building design consistency along the marsh edge between the Zeneca and UCB properties as well as clarification of the City's intentions of the 46th Street right of way to the trail. The City would review these issues.

3. City of Richmond Update

The City noted that there is a new planning director and staff reductions are occurring. No new planning documents have been prepared since the 1990 Knox-Cutting Blvd. Report and the City's (Bryan Grunwald, staff) Study.

Richmond Field Station Remediation Project

SCH#2003052124

Mitigation Monitoring and Reporting Program

for project approval packet, July 2003

Richmond Field Station Remediation Project #19335A

MONITORING PHASES: PH1: Applies to any of Concept / Feasibility / Program Dev / Schematic Design / Ongoing LRDP Mitigation PH2: Applies to any of Ph.1 and/or Construction Docs/ Bid Phase / Construction

Measure:	CEQA Impact:	CEQA Mitigation	Responsible for Mitgtn	Relates to Project Phase	Monitoring Frequency
LRDP 4.1-2	Northside: Development on the Computer Science Building would not be permitted use under the City of Berkeley Zoning Ordinance and would exceed the building size and height permitted by City zoning.	As part of project-specific environmental review, the project's land use compatibility with the surrounding environments and its consistency with local land use plans and zoning requirements would be further evaluated and feasible mitigation measures would be proposed.	PEP	1	Quarterly until construction

Checklist Question:
Has the project's land use been reviewed for consistency with local land use plans and zoning requirements?

Measure:	CEQA Impact:	CEQA Mitigation	Responsible for Mitgtn	Relates to Project Phase	Monitoring Frequency
LRDP 4.2-1	New buildings, additions to existing buildings, and open space improvements would cumulatively alter the visual quality of the Central Campus VQ Park.	The Campus' Design Review Committee (DRC) and the Executive Chancellor's Planning Committee (EPC) would review specific development projects in the early stages of design and evaluate potential siting, design, building profiles, massing and other visual effects. The DRC and EPC should also evaluate the compatibility of the specific project with the surrounding environment, including existing buildings, streetscapes and landscaping. For all projects that could result in adverse environmental impacts, the EPC would formulate recommendations to reduce such impacts.	PEP	1	Quarterly until construction

Checklist Question:
Did the DRC and EPC review the project?

Measure: LRDP 4.4-1(d)
CEQA Impact: Central Campus Park: Development in the Central Campus Park would remove lawn areas, landscaping and trees
CEQA Category: VN

CEQA Mitigation: Site preparation operations would be conducted so as to minimize removal and/or damage of specimen trees or plant species to the extent feasible. Grading, vegetation removal and replacement plans for projects involving sensitive areas such as Strawberry Creek would be developed in coordination with the Campus Landscape Architect. Landscaped areas disturbed during construction would be revegetated to the extent feasible.

Responsible for Mitign: CP PM
Relates to Project Phase: 2
Monitoring Frequency: Quarterly until occupancy

Checklist Question:
 a) Are site trees and creek beds being protected during construction activities?
 b) Is there a plan in place for the replacement and repair of damaged landscapes?

Measure: LRDP 4.4-7
CEQA Category: VN

CEQA Impact: General: Development may disturb habitat for plant or animal species listed as rare and endangered by State or federal agencies.
CEQA Mitigation: During planning and feasibility studies prior to the development of specific projects, a survey would be conducted by a qualified biologist to identify and minimize potential impacts to rare or endangered species. Appropriate mitigation measures would be developed in consultation with the California Department of Fish and Game and the U.S. Fish and Wildlife Service.

Responsible for Mitign: PEP
Relates to Project Phase: 1
Monitoring Frequency: Quarterly until construction

Checklist Question:
 Were studies conducted or used to determine the presence of any rare or endangered species?

Measure: LRDP 4.6-1(b)
CEQA Category: NO

CEQA Impact: Construction-related noise from development projects would increase ambient noise levels in areas surrounding individual project sites
CEQA Mitigation: Construction equipment would be required to be muffled or controlled. Contracts would specify that engine-driven equipment be fitted with appropriate noise-mufflers.

Responsible for Mitign: CP PM
Relates to Project Phase: 2
Monitoring Frequency: Quarterly until occupancy

Checklist Question:
 Is project construction equipment muffled or in some way controlled?

Measure: LRDP 4.8-3(a) **CEQA Impact:** General: Excavation and grading activities and sediment from trucks leaving Campus construction sites could cause HW sedimentation in local storm drains. **CEQA Mitigation:** Best Management Practices, as published by the Association of Bay Area Governments (ABAG), would be required in construction contracts to minimize sedimentation resulting from construction and the transport of soils by construction vehicles.

Responsible for Mitgtn PEP, CP PM **Relates to Project Phase** 2 **Monitoring Frequency** Quarterly until occupancy

Checklist Question:
Are sediment control practices as outlined by ABAG Best Management Practices referenced in the contract documents?

Measure: LRDP 4.8-3(b) **CEQA Impact:** General: Excavation and grading activities and sediment from trucks leaving Campus construction sites could cause HW sedimentation in local storm drains. **CEQA Mitigation:** Construction grading would be scheduled during the dry season, to the extent feasible. When winter construction is necessary, an erosion and sediment-transport control plan would be in place prior to the first day of earth moving activities. Standard erosion control practices include: retaining sediments within project sites during construction periods by the use of catch basins; mulching and planting all exposed soils with vegetation before the start of winter seasonal rains; removing mud from the tire treads of earth moving equipment before allowing equipment to traverse project area streets; using interceptor ditches and benches to prevent sullyng of slopes; and preparing and implementing erosion control plans in accordance with the appropriate regulatory agencies including the Regional Water Quality Control Board (RWQCB).

Responsible for Mitgtn CP PM **Relates to Project Phase** 2 **Monitoring Frequency** Quarterly until occupancy

Checklist Question:
Does the project have an updated erosion control program?

Measure: LRDP 4.8-3(d) **CEQA Impact:** General: Excavation and grading activities and sediment from trucks leaving Campus construction sites could cause HW sedimentation in local storm drains. **CEQA Mitigation:** Stream banks, disturbed soil, and slope areas would be revegetated as soon as conditions allow. The revegetation may involve temporary use of hydromulch or the permanent use of methods incorporating vegetation and indigenous material such as rock, wood, jute, etc.

Responsible for Mitgtn PEP, CP PM **Relates to Project Phase** 2 **Monitoring Frequency** Quarterly until occupancy; annually thereafter

Checklist Question:
Are disturbed stream banks, soil, and slope areas being revegetated as soon as possible or protected from future erosion damage?

Measure: LRD 4.9-1
CEQA Impact: General: Dust would be generated by construction activities associated with Draft 1980 LRD development.
CEQA Category: AQ

CEQA Mitigation: For projects involving extensive excavation, construction contracts would specify that unpaved construction sites would be watered twice per day during the dry season to reduce particulate emissions. On particularly windy days (i.e., wind speeds greater than 15 miles per hour), contracts would specify that sites would be watered more frequently, as needed. In addition, construction contracts would specify that stockpiles of soil, sand and other such materials would be covered; trucks hauling debris, solid sand or other materials would be covered; and streets surrounding construction sites would be swept at least once daily. To minimize dust generation, contract specifications would require that new roads, driveways, and sidewalks would be needed, treated with soil binders, or paved as soon as possible. The contractor would be required to appoint a dust-control monitor to oversee implementation of these measures.

Responsible for Mitgtn: CP PM
Relates to Project Phase: 2
Monitoring Frequency: Quarterly until occupancy

Checklist Question:
 a) Are unpaved areas of the construction site watered twice daily?
 b) Is the site kept free of unnecessary stockpiles of dirt, debris, sand and other material?

Measure: LRD 4.9-2
CEQA Impact: General: Construction vehicles/equipment would emit exhaust at the construction sites that could cause spot violations of the CO standards and noticeable odors in the immediate environs of the construction sites.

CEQA Mitigation: Construction contracts would specify that unnecessary idling of construction vehicles and equipment is to be avoided.

Responsible for Mitgtn: CP PM
Relates to Project Phase: 2
Monitoring Frequency: Quarterly until occupancy

Checklist Question:
 Does the project entail unnecessary idling of construction vehicles or equipment?

Measure: EPA EIR 4.4-1(a)
CEQA Impact: Implementation of the proposed project would result in increased air pollutant emissions from demolition of existing buildings, site preparation, and construction of the project, affecting adjacent research facilities and sensitive receptors.

CEQA Mitigation: Water the unpaved construction site twice daily to reduce particulate emissions.

Responsible for Mitgtn: CP PM
Relates to Project Phase: 2
Monitoring Frequency: Quarterly until occupancy

Checklist Question:
 Have unpaved portions of the construction site been watered twice daily?

Measure: EPA EIR 4.4-1(b)
CEQA Impact: Implementation of the proposed project would result in increased air pollutant emissions from demolition of existing buildings, site preparation, and construction of the project, affecting adjacent research facilities and sensitive receptors.

CEQA Mitigation

Water more frequently on days with wind speeds greater than 15 miles per hour.

Responsible for Mitgtn CP PM
Relates to Project Phase 2
Monitoring Frequency Quarterly until occupancy

Checklist Question:
Have unpaved construction areas been watered more than twice daily when wind speeds are greater than 15 miles per hour?

Measure: EPA EIR 4.4-1(c)
CEQA Impact: Implementation of the proposed project would result in increased air pollutant emissions from demolition of existing buildings, site preparation, and construction of the project, affecting adjacent research facilities and sensitive receptors.

CEQA Mitigation

Cover stockpiles of soil, sand, and other such materials.

Responsible for Mitgtn CP PM
Relates to Project Phase 2
Monitoring Frequency Quarterly until occupancy

Checklist Question:
Are stockpiles of soil, sand, and other such materials kept covered when not being immediately accessed?

Measure: EPA EIR 4.4-1(d)
CEQA Impact: Implementation of the proposed project would result in increased air pollutant emissions from demolition of existing buildings, site preparation, and construction of the project, affecting adjacent research facilities and sensitive receptors.

CEQA Mitigation

Enforce a 20-mile-per-hour speed limit on unpaved surfaces.

Responsible for Mitgtn CP PM
Relates to Project Phase 2
Monitoring Frequency Quarterly until occupancy

Checklist Question:
Is a 20-mile-per-hour speed limit being enforced on site unpaved surfaces?

Measure: EPA EIR 4.4-1(e)
CEQA Impact: Implementation of the proposed project would result in increased air pollutant emissions from demolition of existing buildings, site preparation, and construction of the project, affecting adjacent research facilities and sensitive receptors.

CEQA Mitigation

Cover trucks hauling debris or other particulate-generating materials.

Responsible for Mitgtn CP PM
Relates to Project Phase 2
Monitoring Frequency Quarterly until occupancy

Checklist Question:
Are trucks hauling debris or other particulate-generating materials covered when loaded?

Measure: EPA EIR 4.4-1(f)
CEQA Impact: Implementation of the proposed project would result in increased air pollutant emissions from demolition of existing buildings, site preparation, and construction of the project, affecting adjacent research facilities and sensitive receptors.

CEQA Mitigation

Sweep streets surrounding the construction site at least once daily.

Responsible for Mitgtn CP PM
Relates to Project Phase 2
Monitoring Frequency Quarterly until occupancy

Checklist Question:
Are streets surrounding the construction site being swept at least once daily?

Measure: EPA EIR 4.4-1(g)
CEQA Impact: Implementation of the proposed project would result in increased air pollutant emissions from demolition of existing buildings, site preparation, and construction of the project, affecting adjacent research facilities and sensitive receptors.

CEQA Mitigation

Seed exposed soil areas as soon as possible to minimize dust generation.

Responsible for Mitgtn CP PM
Relates to Project Phase 2
Monitoring Frequency Quarterly until occupancy

Checklist Question:
Have exposed soil areas been seeded as soon as possible?

Measure:	CEQA Impact:	CEQA Mitigation	Responsible for Mitgtn	Relates to Project Phase	Monitoring Frequency
EPA EIR 4.4-1(h)	Implementation of the proposed project would result in increased air pollutant emissions from demolition of existing buildings, site preparation, and construction of the project, affecting adjacent research facilities and sensitive receptors.	Treat areas slated to become sidewalks or roadways with soil binders and cover as soon as possible.	CP PM	2	Quarterly until occupancy

Checklist Question:
Have areas slated to become sidewalks or roadways been treated with soil binders and cover as soon as possible?

Measure:	CEQA Impact:	CEQA Mitigation	Responsible for Mitgtn	Relates to Project Phase	Monitoring Frequency
EPA EIR 4.4-1(i)	Implementation of the proposed project would result in increased air pollutant emissions from demolition of existing buildings, site preparation, and construction of the project, affecting adjacent research facilities and sensitive receptors.	Appoint a dust control monitor to oversee implementation of these measures.	CP PM	2	Quarterly until occupancy

Checklist Question:
Has a dust control monitor been appointed and had oversight of implementation of these measures?

Measure:	CEQA Impact:	CEQA Mitigation	Responsible for Mitgtn	Relates to Project Phase	Monitoring Frequency
EPA EIR 4.4-2	Implementation of the proposed project would result in the emission of CO, NOX, PM10, ROG, and SO2 from construction vehicle and equipment exhaust at the construction site.	The construction contract shall specify that unnecessary idling of construction vehicles and equipment is to be avoided. Heavy-duty construction equipment with modified combustion/fuel injection systems for emissions control shall be used during grading and construction.	CP PM	2	Quarterly until occupancy

Checklist Question:
Is unnecessary idling of construction vehicles and equipment prohibited on and adjacent to the site?

Is all heavy-duty site construction equipment equipped with modified combustion/fuel injection systems for emissions control?

Measure:	CEQA Impact:	CEQA Mitigation	Responsible for Mitgtn	Relates to Project Phase	Monitoring Frequency
EPA EIR 4.5-1(a)	Implementation of the proposed project would result in construction-related noise affecting nearby sensitive receptors.	Limit construction activities to the time period between 7:00 a.m. and 7:00 p.m. weekdays and 9:00 a.m. and 5 p.m. weekends and holidays.	CP PM	2	Quarterly until occupancy
CEQA Category	affecting nearby sensitive receptors.				

Checklist Question:
 Have construction activities been limited to 7:00 a.m. - 7:00 p.m. weekdays and 9:00 a.m. - 5 p.m. weekends and holidays?

Measure:	CEQA Impact:	CEQA Mitigation	Responsible for Mitgtn	Relates to Project Phase	Monitoring Frequency
EPA EIR 4.5-1(b)	Implementation of the proposed project would result in construction-related noise affecting nearby sensitive receptors.	Limit the use of impact equipment, such as jackhammers and pile drivers, to the period between 9:00 a.m. and 5:00 p.m. on weekdays.	CP PM	2	Quarterly until occupancy

Checklist Question:
 Has the use of impact equipment been limited to 9:00 a.m. - 5:00 p.m. on weekdays?

Measure:	CEQA Impact:	CEQA Mitigation	Responsible for Mitgtn	Relates to Project Phase	Monitoring Frequency
EPA EIR 4.5-1(c)	Implementation of the proposed project would result in construction-related noise affecting nearby sensitive receptors.	Properly maintain all equipment powered by internal combustion engines and fit the equipment with appropriate mufflers.	CP PM	2	Quarterly until occupancy

Checklist Question:
 a) Does the contractor properly maintain all equipment powered by internal combustion engines?
 b) Is such equipment fit with appropriate mufflers?

Measure: CEQA Impact: CEQA Mitigation

EPA EIR 4.5-1(d) CEQA Category

Implementation of the proposed project would result in construction-related noise affecting nearby sensitive receptors.

Use equipment enclosures for noise-generating equipment, such as generators.

Responsible for Mitgtn
CP PM

Relates to Project Phase

2 Quarterly until occupancy

Monitoring Frequency

2 Quarterly until occupancy

Checklist Question:
Are equipment enclosures being regularly used for noise-generating equipment, such as generators?

Measure: CEQA Impact: CEQA Mitigation

EPA EIR 4.6-3(a) CEQA Category

Mercury and other contaminants presently in project site surface soils could be released to other parts of the environment during construction. (Does not apply to Option 2.)

Disturbance of contaminated areas shall be reduced to the extent feasible and any contaminated soil that is removed shall be disposed of consistent with all applicable laws.

Responsible for Mitgtn
CP PM

Relates to Project Phase

2 Quarterly until occupancy

Monitoring Frequency

2 Quarterly until occupancy

Checklist Question:
Has contaminated area disturbance been reduced to the extent feasible?

Have disturbed contaminated soils been legally disposed of?

Measure: CEQA Impact: CEQA Mitigation

EPA EIR 4.6-3(b) CEQA Category

Mercury and other contaminants presently in project site surface soils could be released to other parts of the environment during construction. (Does not apply to Option 2.)

Any supervisors and workers likely to come into contact with contaminated soils shall be notified of appropriate procedures for handling or avoiding such areas.

Responsible for Mitgtn
EH&S, CP PM

Relates to Project Phase

2 Quarterly until occupancy

Monitoring Frequency

2 Quarterly until occupancy

Checklist Question:
Have all supervisors and workers likely to come into contact with contaminated soils been fully notified of appropriate procedures for handling or avoiding such areas?

Measure:	CEQA Impact:	CEQA Mitigation	Responsible for Mitgtn	Relates to Project Phase	Monitoring Frequency
EPA EIR 4.8-3(a) CEQA Category	Implementation of the proposed project would result in possible erosion of stockpiled soils left exposed during construction.	Protect storm sewers and ditches during construction with straw bales or other methods to limit siltation of the storm drainage system and downstream ecosystem. The straw bales would filter sediment from the runoff. In addition, runoff shall be diverted away from spoil piles to reduce stockpile erosion.	CP PM	2	Quarterly until occupancy

Checklist Question:
 Have sand and soil piles, storm sewers, and ditches been protected during construction with straw bales or other methods to avoid erosion and to limit downslope siltation and ecosystem impacts?

Measure:	CEQA Impact:	CEQA Mitigation	Responsible for Mitgtn	Relates to Project Phase	Monitoring Frequency
EPA EIR 4.8-3(b) CEQA Category	Implementation of the proposed project would result in possible erosion of stockpiled soils left exposed during construction.	Comply with the provisions of Title 24 of the California Resources Code, using the most recent edition of the UBC. Design details should conform to recommendations made by a CEG.	PEP	1	Quarterly until construction

Checklist Question:
 Does the design and the construction process comply with Title 24 of the California Resources Code, using the most recent edition of the UBC Design Details?

Measure:	CEQA Impact:	CEQA Mitigation	Responsible for Mitgtn	Relates to Project Phase	Monitoring Frequency
EPA EIR 4.9-2 CEQA Category	Construction-related activities for the proposed project would result in erosion of project site soils, which may be transported through the local drainage system to the San Francisco Bay, caused by construction-related activities.	Reduce sediment transport to local drainage systems and the San Francisco Bay and avoid erosion and subsequent sedimentation impacts by implementing the following measures: -Construct temporary retention basins. -Limit grading activities to dry periods to the extent feasible.	CP PM	2	Quarterly until occupancy

Checklist Question:
 a) Has the University contractor constructed temporary retention basins?
 b) Have grading activities been limited to dry periods to the extent feasible?

Measure: EPA EIR 4.10-2
CEQA Impact: Implementation of the proposed project would result in possible sediment from construction runoff entering tidal wetlands, reducing water quality and wildlife habitat value.
CEQA Mitigation: See EPA EIR Mitigation Measures 4.8-3 and 4.9-2.
Responsible for Mitign: CP PM
Relates to Project Phase: 2
Monitoring Frequency: Quarterly until occupancy

CEQA Category: runoff entering tidal wetlands, reducing water quality and wildlife habitat value.
Checklist Question: n/a

Measure: EPA EIR 4.10-4(b)
CEQA Impact: Implementation of cumulative development could result in the cumulative degradation of shoreline habitat quality by degrading water quality through construction and urban runoff.
CEQA Mitigation: The University would adopt additional measures to reduce potential biological resource impacts to the extent feasible with programmatic objectives when future plans and development proposals are proposed for implementation. Such measures may include, but not be limited to, maintaining buffer areas between the marsh and the future development, and the restoration of areas south of Heron Drive to ruderal (sic) grassland.
Responsible for Mitign: PEP
Relates to Project Phase: 1
Monitoring Frequency: Quarterly until construction
Checklist Question: Has the University adopted additional measures to reduce potential biological resource impacts to the extent feasible with programmatic objectives?

Measure: NRLF-3.4.4-1
CEQA Impact: Construction of the proposed project may have short-term adverse impacts on the potentially designated wetlands area.
CEQA Mitigation: During construction of the project, the contractor for the University shall place a fence around the construction zone to fully prevent intrusion of construction vehicles, equipment, and workers on the adjacent wetlands area.
Responsible for Mitign: CP PM
Relates to Project Phase: 2
Monitoring Frequency: Quarterly until occupancy
Checklist Question: Has the contractor installed a fence around the construction zone to fully prevent intrusion by construction vehicles, equipment, and workers on the adjacent wetlands area?

Measure: NPLF-3.4.5-1
CEQA Impact: Construction activities would have short-term adverse effects on local traffic and parking conditions.
CEQA Mitigation: The Campus shall prepare plans regarding truck access routes and parking for construction and worker vehicles during the design phase. These plans shall be coordinated with the appropriate City of Richmond Departments.

Responsible for Mitgtn: PEP, CP PM, SC
Relates to Project Phase: 2
Monitoring Frequency: Quarterly until occupancy

Checklist Question:
 Has the project prepared a construction access and parking plan?

Measure: RFS Blo-1(a)
CEQA Impact: Project has potential for adverse effects to California clapper rails
CEQA Mitigation: Minimize potential for adverse effects to California clapper rails during and immediately following construction. Project has beneficial impact to clapper rail habitat once completed. Remediation activities shall not be conducted in California Clapper rail habitat without the prior written authorization (Permit 404 CWA) of the USFWS through consultation with the USACE.

Responsible for Mitgtn: EH&S, CP PM
Relates to Project Phase: 2
Monitoring Frequency: Quarterly until occupancy

CEQA Category: BR
Checklist Question:
 Was prior written authorization (Permit 404 CWA) obtained through USACE/USFWS for remediation actions in California Clapper rail habitat?

Measure: RFS Blo-1(b)
CEQA Impact: Project has potential for adverse effects to California clapper rails
CEQA Mitigation: Minimize potential for adverse effects to California clapper rails during and immediately following construction. Project has beneficial impact to clapper rail habitat once completed. Surveys (authorized by the USFWS) shall be conducted by a qualified biologist with a current federal scientific take permit for California clapper rails to determine whether nesting clapper rails occur within Western Siege Marsh. During the breeding season, February 1-August 31, work will not be conducted within 150 feet of designated California clapper rail habitat.

Responsible for Mitgtn: EH&S, CP PM
Relates to Project Phase: 2
Monitoring Frequency: Quarterly until occupancy

CEQA Category: BR
Checklist Question:
 Were USFWS-authorized Surveys conducted by a qualified biologist with a current federal scientific take permit for California clapper rails to determine whether nesting clapper rails occur within Western Siege Marsh?
 During the breeding season, February 1-August 31, was work conducted within 150 feet of designated California clapper rail habitat?

Measure: RFS Bio-1(c)
CEQA Impact: Project has potential for adverse effects to California clapper ralls
CEQA Mitigation: Minimize potential for adverse effects to California clapper ralls during and immediately following construction. Project has beneficial impact to clapper rail habitat once completed. Limit construction activities in designated clapper rail habitat to post-breeding season between September 1 and January 31.
Responsible for Mitign: CP PM
Relates to Project Phase: 2
Monitoring Frequency: Quarterly until occupancy
CEQA Category: BR

Checklist Question:
 Were construction activities in designated clapper rail habitat limited to post-breeding season between September 1 and January 31?

Measure: RFS Bio-1(d)
CEQA Impact: Project has potential for adverse effects to California clapper ralls
CEQA Mitigation: Minimize potential for adverse effects to California clapper ralls during and immediately following construction. Project has beneficial impact to clapper rail habitat once completed. Upon completion of the remediation activities, all disturbed soils in salt marsh habitat shall be stabilized to prevent erosion and allow for passive and active restoration of salt marsh vegetation.
Responsible for Mitign: CP PM
Relates to Project Phase: 2
Monitoring Frequency: Quarterly until occupancy
CEQA Category: BR

Checklist Question:
 Upon completion of the remediation activities, were all disturbed soils in salt marsh habitat stabilized as prescribed in this measure?

Measure: RFS Bio-2
CEQA Impact: Project has potential for adverse effects to short-eared owl and western burrowing owl
CEQA Mitigation: Minimize potential for adverse effects to short-eared owl and western burrowing owl during and immediately following construction. Project has beneficial impact to owl habitat once completed. The project would conduct pre-construction surveys by a qualified biologist within 30 days prior to commencement of project construction. If pre-construction surveys do not identify any occupied nests or owl burrows in the Project Area, no further mitigation would be necessary. If active nests are found within the construction footprint or a 250 foot buffer zone, construction would be delayed within the buffer zone until the young have fledged, or appropriate mitigation measures responding to the specific situation will be developed in consultation with CDFG.
Responsible for Mitign: EH&S, CP PM
Relates to Project Phase: 2
Monitoring Frequency: Quarterly until occupancy
CEQA Category: BR

Checklist Question:
 Did the project conduct pre-construction surveys by a qualified biologist within 30 days prior to commencement of project construction?
 Were active nests found within the construction footprint or a 250 foot buffer zone?
 If "yes" to b above, were construction delayed within the buffer zone until the young fledged?
 If "yes" to b above, were appropriate mitigation measures responding to the specific situation developed in consultation with CDFG?

Responsible for Mitgtn CP PM
Relates to Project Phase 2
Monitoring Frequency Quarterly until occupancy

CEQA Mitigation

Minimize potential for adverse effects to white-tailed kite during and immediately following construction. Project has beneficial impact to kite habitat once completed. The project would sponsor spring surveys for nesting raptors such as white-tailed kites, conducted immediately prior to construction. A qualified biologist would monitor any nests, and project activities that disturb or agitate the nesting kite would be delayed until the young have fledged.

CEQA Impact:

The project has potential for adverse effects to white-tailed kite.

Measure: RFS Blo-3
CEQA Category BR

Checklist Question:

Did the project sponsor spring surveys for nesting raptors such as white-tailed kites, conducted immediately prior to construction?

If nests were found, did a qualified biologist would monitor each nest?

Were project activities that disturb or agitate the nesting kite delayed until the young had fledged?

Responsible for Mitgtn EH&S
Relates to Project Phase 1
Monitoring Frequency Quarterly until construction

CEQA Mitigation

Special status and candidate plants and unlisted plant species that may be endangered, threatened, or rare in the AOCs (Areas of Concern) of the Project Area will be marked and the following mitigative measures implemented: Seed of these plants in AOCs will be collected prior to any construction work. Plants in AOCs will not be salvaged, since soil incorporated in their root system could be contaminated and its removal and root decontamination would likely result in high plant mortality. Collected seeds will be dispersed within suitable habitat on the Richmond Field Station.

CEQA Impact:

The project may have impacts to special status plants in the Project Area.

Measure: RFS Blo-4(a)
CEQA Category BR

Checklist Question:

Were special status, candidate plants, and unlisted plant species that may be endangered, threatened, or rare in the AOCs marked?

Were seed of these plants in AOCs collected prior to any construction work?

Were plants in AOCs salvaged?

Have collected seeds been dispersed within suitable habitat on the Richmond Field Station?

Responsible for Mitgtn EH&S, CP PM
Relates to Project Phase 1
Monitoring Frequency Quarterly until construction

CEQA Mitigation

Special status and candidate plants and unlisted plant species that may be endangered, threatened, or rare outside the AOCs in the Project Area will be marked and their seed collected prior to any construction work that will affect those areas. Of these, solitary plants outside of AOCs will be transplanted (if they cannot be easily grown from seed or seed not available) preferably during their time of dormancy, with their entire root system and surrounding soil, prior to ground disturbing work in that area. Areas with three or more special status, candidate and unlisted plant species that may be endangered, threatened, or rare located outside the AOCs or essential areas for access or treatment of contaminated material will be avoided along with a reasonable buffer zone, and fenced with 4'-0" high ESA (Environmentally Sensitive Area) fencing. Plants in these areas will not be relocated and will be protected from damage during construction. These measures would be refined in consultation with CDFG.

CEQA Impact:

The project may have impacts to special status plants in the Project Area.

Measure: RFS Blo-4(b)
CEQA Category BR

Checklist Question:

Were solitary plants outside of AOCs transplanted during their time of dormancy, with their entire root system and surrounding soil, prior to ground disturbing work in that area?

Were areas with 3 or more plants as described in this measure avoided, along with a buffer zone, and fenced with 4'-0" high ESA fencing?

Were plants in these areas retained as-is and protected from damage during construction?

Were these measures refined in consultation with CDFG?

Measure: RFS Bio-5
CEQA Category: BR

CEQA Impact: The project has potential for impacts to sensitive and rare natural communities.

CEQA Mitigation: Mitigate for impacts to sensitive and rare natural communities. Where sensitive upland natural communities occur adjacent to the Project Area, the work area will be fenced and the sensitive natural communities avoided. As mitigation for any unavoidable loss of upland sensitive natural communities in the Project Area, an area equal to or greater than the area of the loss will be preserved, enhanced, or restored in the on-site ecotone or other designated area. These and any further measures restoring resources impacted by the remediation project would be refined in consultation with the CDFG.

Responsible for Mitign: CP-PM, EH&S

Relates to Project Phase: 2 Quarterly until occupancy

Monitoring Frequency: 2 Quarterly until occupancy

Checklist Question:
 Where sensitive upland natural communities occur adjacent to the Project Area, was the work area and sensitive natural communities avoided?

Was an area equal to or greater than any area of loss preserved, enhanced, or restored in the on-site ecotone or other designated area?

Were these and any further measures restoring resources impacted by the remediation project refined in consultation with the CDFG?

Measure: RFS Bio-6
CEQA Category: BR

CEQA Impact: The project will result in a net increase in the total waters of the US, including the sum of wetlands and non-wetland waters. The wetlands would have improved functions and values as compared with the existing marsh area.

CEQA Mitigation: The project will create, restore, and enhance tidal wetland.

Responsible for Mitign: CP PM, EH&S

Relates to Project Phase: 2 Quarterly until occupancy, and annually thereafter

Monitoring Frequency: 2 Quarterly until occupancy, and annually thereafter

Checklist Question:
 Has the project will created, restored, and enhanced tidal wetland?

Measure: RFS Bio-7
CEQA Category: BR

CEQA Impact: The proposed project would create more gentle slopes in the ecotone, thereby expanding the area available for species such as the California clapper rail to use as high tide refugia.

CEQA Mitigation: See Mitigation Measures RFS Bio-4(a) and (b). Expand and enhance marsh ecotone. Enhancement of the minimum 30-foot-wide ecotone would be accomplished through propagation and installation of native vegetation, using locally collected seed, as available.

Responsible for Mitign: EH&S, CP-PM

Relates to Project Phase: 2 Quarterly until occupancy

Monitoring Frequency: 2 Quarterly until occupancy

Checklist Question:
 1 site ecotone minimum 30 feet wide?

Measure: RFS Blo-8

CEQA Impact: Remove concrete debris.

CEQA Mitigation

Responsible for Mitgtn CP PM

Relates to Project Phase 2

Monitoring Frequency Quarterly until occupancy

CEQA Category BR

Checklist Question: Has concrete debris been removed from within the project area?

Measure: RFS Blo-9

CEQA Impact: [Project area is impacted by existing, non-native cordgrass]

CEQA Mitigation

Responsible for Mitgtn EH&S

Relates to Project Phase 3

Monitoring Frequency Annually after occupancy

CEQA Category

Checklist Question: Has existing cordgrass that is not disturbed in the remediation process been taxonomically identified?

Have non-native cordgrasses been removed?

Have low marsh areas been revegetated with native cordgrass (Spartina foliosa)?

Have monitoring inspections been conducted in the late spring or summer?

Measure: RSF Noise-1

CEQA Impact: [Project may create noise impacts]

CEQA Mitigation

Responsible for Mitgtn CP-PM

Relates to Project Phase 2

Monitoring Frequency Quarterly until occupancy

CEQA Category N

Checklist Question: Have noise-producing remediation operations been prescribed between 7 p.m. and 7 a.m. on weekdays and 6 p.m. and 6:30 a.m. on weekends and legal holidays?

Measure: RSF Noise-2
CEQA Impact: [Project may create noise impacts]
CEQA Category: N

CEQA Mitigation:
 All noise-producing project equipment and vehicles using internal combustion engines shall be equipped with mufflers, and air-inlet silencers where appropriate, in good operating condition that meet or exceed original factory specification. Mobile or fixed "package" equipment (e.g., arc-welders, air compressors) shall be equipped with shrouds and noise control features that are readily available for that type of equipment. All equipment shall be operated in the quietest manner practicable.

Responsible for Mitgtn: CP-PM
Relates to Project Phase: 2
Monitoring Frequency: Quarterly until occupancy

Checklist Question:
 Are all project noise-producing project equipment and vehicles using internal combustion engines equipped with mufflers, and air-inlet silencers where appropriate, in good operating condition?

Are all mobile or fixed "package" equipment (e.g., arc-welders, air compressors) shall be equipped with shrouds and noise control features?

Has all equipment been operated in the quietest manner practicable?

Measure: RSF Noise-3
CEQA Impact: [Project may create noise impacts]
CEQA Category: N

CEQA Mitigation:
 Only the minimum equipment required to perform the specific activity shall be utilized at any one time.

Responsible for Mitgtn: CP PM
Relates to Project Phase: 2
Monitoring Frequency: Quarterly until occupancy

Checklist Question:
 Was only the minimum equipment necessary to perform any specific activity utilized at any one time?

Measure: RSF Noise-4
CEQA Impact: [Project may create noise impacts]
CEQA Category: N

CEQA Mitigation:
 Material stockpiles and/or vehicle staging areas shall be located as far as practicable from dwellings.

Responsible for Mitgtn: CP PM
Relates to Project Phase: 2
Monitoring Frequency: Quarterly until occupancy

Checklist Question:
 Have material stockpiles and vehicle staging areas been located as far as practicable from neighboring residences?

Measure: CEQA Impact: CEQA Mitigation
 RSF Noise-5 [Project may create noise impacts] Construction site speed limits shall be established and enforced during the construction period.

CEQA Category
 N

Responsible for Mitgtn CP PM
Relates to Project Phase 2
Monitoring Frequency Quarterly until occupancy

Checklist Question:
 Have construction site speed limits been established and enforced during the construction period?

Measure: CEQA Impact: CEQA Mitigation
 RSF Noise-6 [Project may create noise impacts] No public address system shall be operated on the project site.

CEQA Category
 N

Responsible for Mitgtn CP PM
Relates to Project Phase 2
Monitoring Frequency Quarterly until occupancy

Checklist Question:
 Have any public address systems been operated on the project site during construction?

Measure: CEQA Impact: CEQA Mitigation
 RSF Noise-7 [Project may create noise impacts] No music or electronically reinforced speech shall be audible at a noise-sensitive property.

CEQA Category
 N

Responsible for Mitgtn CP PM
Relates to Project Phase 2
Monitoring Frequency Quarterly until occupancy

Checklist Question:
 Has any music or electronically reinforced speech been audible at a noise-sensitive adjacent property during construction?

Measure: RSF Noise-8
CEQA Impact: [Project may create noise impacts]
CEQA Mitigation: The use of noise-producing signals, including horns, whistles, alarms, and bells shall be for safety warning purposes only.
Responsible for Mitign: CP PM
Relates to Project Phase: 2
Monitoring Frequency: Quarterly until occupancy

CEQA Category: N
Checklist Question:
 Has the use during construction of noise-producing signals, including horns, whistles, alarms, and bells been for safety warning purposes only?

Measure: RSF Noise-9
CEQA Impact: [Project may create noise impacts]
CEQA Mitigation: The site shall be posted as a "Noise-Controlled Work Zone".
Responsible for Mitign: CP PM
Relates to Project Phase: 2
Monitoring Frequency: Quarterly until occupancy

CEQA Category: N
Checklist Question:
 Has the site been posted as a "Noise-Controlled Work Zone" during construction?

Measure: RSF Noise-10
CEQA Impact: [Project may create noise impacts]
CEQA Mitigation: The on-site construction quality assurance (CQA) Inspector should have the responsibility and authority to receive and resolve noise complaints. A clear appeal process to the project owner should be established prior to construction commencement that will allow for resolution of noise problems that cannot be immediately solved by the CQA Inspector.
Responsible for Mitign: CP PM, CQA
Relates to Project Phase: 2
Monitoring Frequency: Quarterly until occupancy

CEQA Category: N
Checklist Question:
 Has an on-site construction quality assurance (CQA) inspector had the responsibility and authority to receive and resolve noise complaints?
 Has a clear appeal process to the project owner been established prior to construction commencement to resolve noise problems not immediately solved by the CQA Inspector?

Measure: LRD 4.3-1
CEQA Impact: Central Campus and Northside: Siting of new Campus buildings near known archaeological sites or historical water courses within the Central Campus Park and Northside planning area could disturb prehistoric cultural resources.
CEQA Mitigation: All construction activity at previous unexcavated sites would be monitored by a qualified archaeologist. If subsurface prehistoric archaeological resource is found, excavation or other construction activity in the area would cease and an archaeological consultant would be retained to evaluate findings in accordance with standard practice and applicable regulations. Data/artifact recovery, if deemed appropriate, would be conducted during the period when construction activities are on hold.

Responsible for Mitgtn CPPM

Relates to Project Phase 2

Monitoring Frequency Quarterly until occupancy

Checklist Question:

- a) Have subsurface, prehistoric archaeological resources been found at the site?
- b) If so, has an archaeological consultant evaluated findings and performed appropriate data/artifact recovery in accordance with standard practice and applicable regulations?

Measure: LRD 4.3-2
CEQA Impact: Central Campus and Northside: Development of Draft 1990 LRD projects could disturb previously unknown human burial sites of Native American groups.
CEQA Mitigation: An appropriate representative of Native American Indian groups and the County Coroner would be informed and consulted if remains are discovered, as required by State law.

Responsible for Mitgtn CPPM

Relates to Project Phase 2

Monitoring Frequency Quarterly until occupancy

Checklist Question:

- a) Have Native American remains been found on the site?
- b) If so, was an appropriate representative contacted?

Measure: LRD 4.4-1(a)
CEQA Impact: Central Campus Park: Development in the Central Campus Park would remove lawn areas, landscaping and trees
CEQA Mitigation: The preservation of existing specimen trees, shrubs, and grass areas would be considered as a priority for retention in the final design of proposed projects. If specimen species trees must be removed, they will be replaced with the same species tree on the project site or at appropriate locations elsewhere on the Campus, if possible.

Responsible for Mitgtn PEP, CLA

Relates to Project Phase 1

Monitoring Frequency Quarterly until construction

Checklist Question:

- a) Have existing specimen trees been protected in the design?
- b) If not, is there a plan in place for landscape replacement or banking elsewhere on campus?