

**APPENDIX 2**

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**Cultural Resources Consultation**

## APPENDIX 2

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04/15/2010 15:17 FAX 916 657 5390

NAHC

001/002

STATE OF CALIFORNIAArnold Schwarzenegger, Governor**NATIVE AMERICAN HERITAGE COMMISSION**

915 CAPITOL MALL, ROOM 364  
SACRAMENTO, CA 95814  
(916) 653-6251  
Fax (916) 657-5390  
Web Site [www.nahc.ca.gov](http://www.nahc.ca.gov)  
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April 15, 2010

Sean Dexter  
Condor Country  
411 Perry St.  
Martinez, CA 94553

Sent by Fax: 925-231-0571  
Number of Pages: 2

Re: Proposed Project # 00104, Alameda County

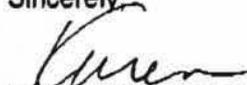
Dear Mr. Dexter:

A record search of the sacred land file has failed to indicate the presence of Native American cultural resources in the immediate project area. The absence of specific site information in the sacred lands file does not indicate the absence of cultural resources in any project area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Enclosed is a list of Native Americans individuals/organizations who may have knowledge of cultural resources in the project area. The Commission makes no recommendation or preference of a single individual, or group over another. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated, if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe or group. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from any of these individuals or groups, please notify me. With your assistance we are able to assure that our lists contain current information. If you have any questions or need additional information, please contact me at (916) 653-4038.

Sincerely,

*For*  
  
Debbie Pilas-Treadway  
Environmental Specialist III

04/15/2010 15:17 FAX 916 657 5390

NAHC

002/002

**Native American Contacts**  
Alameda County  
April 14, 2010

Jakki Kehl  
720 North 2nd Street  
Patterson , CA 95366  
jakki@bigvalley.net  
(209) 892-1060

Ohlone/Costanoan

Muwekma Ohlone Indian Tribe of the SF Bay Area  
Rosemary Cambra, Chairperson  
PO Box 360791  
Milpitas , CA 95036  
muvekma@muvekma.org  
408-434-1668  
408-434-1673

Ohlone / Costanoan

Katherine Erolinda Perez  
PO Box 717  
Linden , CA 95236  
(209) 887-3415

Ohlone/Costanoan  
Northern Valley Yokuts  
Bay Miwok

The Ohlone Indian Tribe  
Andrew Galvan  
PO Box 3152  
Fremont , CA 94539  
chochenyo@AOL.com  
(510) 882-0527 - Cell  
(510) 687-9393 - Fax

Ohlone/Costanoan  
Bay Miwok  
Plains Miwok  
Patwin

Amah/Mutsun Tribal Band  
Irene Zwiertein, Chairperson  
789 Canada Road  
Woodside , CA 94062  
amah\_mutsun@yahoo.com  
(650) 851-7747 - Home  
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Trina Marine Ruano Family  
Ramona Garibay, Representative  
16010 Halmar Lane  
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soaprootmo@msn.com  
209-629-8619

Ohlone/Costanoan  
Bay Miwok  
Plains Miwok  
Patwin

Amah/Mutsun Tribal Band  
Jean-Marie Feyling  
19350 Hunter Court  
Redding , CA 96003  
amah\_mutsun@yahoo.com  
530-243-1633

Ohlone/Costanoan

Indian Canyon Mutsun Band of Costanoan  
Ann Marie Sayers, Chairperson  
P.O. Box 28  
Hollister , CA 95024  
ams@indiaqn.canyon.org  
831-637-4238

Ohlone/Costanoan

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources for the proposed project # 00104, Alameda County



# CONDOR COUNTRY CONSULTING, INC.

March 31, 2010

Ms. Katherine Erolinda Perez  
PO Box 717  
Linden, CA 95236-0717

Subject: **Cultural Resources Consultation for the proposed Computational Research and Theory Facility (CRT), Lawrence Berkeley National Laboratory.**

Dear Ms. Perez,:

The US Department of Energy (DOE) and the University of California (UC) are in the process of planning a new research facility at the Lawrence Berkeley National Laboratory (LBNL), in Alameda County, California. As the federal lead agency, the DOE is analyzing the potential environmental effects of the proposed project in compliance with the National Environmental Policy Act. The DOE, through its subcontractors UC, Impact Sciences, Inc., and Condor Country Consulting, Inc., is offering you the opportunity to comment on this project.

The DOE proposes to relocate and consolidate all Advanced Scientific Computing Research-funded LBNL programs in one location on the LBNL hill site. UC proposes to construct a new building on the LBNL hill site where these programs could be relocated and consolidated. The new building and associated infrastructure would be constructed and owned by UC and would be called the Computational Research and Theory (CRT) facility. The facility would be operated and maintained by the University.

The approximately 2.25-acre CRT project site is located on the LBNL hill site. LBNL is located east of the main campus of UC Berkeley, within the cities of Berkeley and Oakland in Alameda County, and is located on land owned by the University of California. The project site is located near the western entrance to the LBNL hill site in the city of Berkeley and has frontage on Seaborg Road. The project site comprises steeply sloped terrain and is vegetated with non-native grasses and eucalyptus, immature redwood, bay, and oak trees; much of the area appears to have been previously disturbed. The CRT project site is flanked on three sides by LBNL Buildings 70 and 70A to the east, the Building 50 complex to the north, and Cyclotron Road and the LBNL's Blackberry Canyon entrance gate to the west. Maps showing the project area are enclosed for your reference (see enclosures).

The CRT facility includes an approximately 126,000-gross-square-foot building and associated infrastructure, including access driveways and pedestrian access, and a central plant. The approximately 126,000-gross-square-foot (gsf), three-story building would include a supercomputer equipment floor and two floors of offices, with space for computing, offices, and conference rooms. The proposed building abuts a steep hillside, and the upper floor of the building would be accessible from the existing parking lot that connects the Building 50 and 70 complexes.

Ms. Katherine Erolinda Perez

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The facility would accommodate (1) the National Energy Research Scientific Computing (NERSC) Center, including NERSC's high performance computing systems, (2) researchers from the LBNL's Computational Research Division, and (3) researchers and students from the joint UC/Berkeley Lab Computational Science and Engineering program. The new advanced computational equipment and office space would support UC Berkeley's academic programs in computational science and engineering and the needs of computer scientists, mathematicians, and theoreticians who are currently engaged in high performance computing and high performance production computing and computational research.

There are several known prehistoric and historic archaeological sites within ½-mile of the study area. However, no previous archaeological and/or historical resources have been identified within the study area. There are no current plans to evaluate and/or to impact known sites or potentially historic buildings. In March of 2010, archaeologists from Condor Country Consulting inspected and surveyed the study area to assess the potential for any intact archaeological sites to be present within the project area. No archaeological or historic resources were encountered other than one isolated fragment of obsidian found in a highly-disturbed context on the side of a steep slope.

At this time we would like to know whether you are aware of any traditional cultural places, traditional plant gathering areas, or sites of historic interest in or immediately adjacent to the project area. We understand that such information is sensitive and confidential and we will not release this information to unauthorized persons. Your involvement is valuable to us and we will do our best to ensure that any concerns you may have about the project are addressed.

A primary contact for information you may have related to Traditional Cultural Properties, traditional plant gathering areas, and/or sites of historic interest, is the LBNL's consultant, Mr. Sean Dexter, at Condor Country Consulting, 411 Ferry Street, Suite 6, Martinez, CA 94553-1145; tel. (925) 335-9308; fax (925) 231-0571.

Thank you in advance for any assistance you can provide.

Sincerely,

A handwritten signature in black ink that reads "Sean Dexter". The signature is fluid and cursive, with a long horizontal stroke extending to the right from the end of the name.

Sean Dexter  
Principal Archaeologist  
Condor Country Consulting, Inc.

Enclosures: Project Area Maps (2)

cc: Ms. Shabnam Barati, Project Manager, Impact Sciences, Inc., 555 12<sup>th</sup> Street  
Suite 1650, Oakland, CA 94607



# CONDOR COUNTRY CONSULTING, INC.

March 31, 2010

Mr. Andrew Galvan  
The Ohlone Indian Tribe  
PO Box 3152  
Fremont, CA 94539-0315

**Subject: Cultural Resources Consultation for the proposed Computational Research and Theory Facility (CRT), Lawrence Berkeley National Laboratory.**

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Mr. Andrew Galvan  
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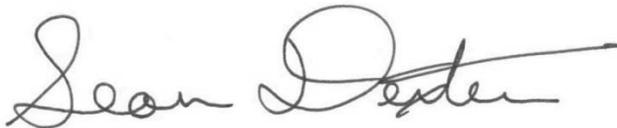
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Suite 1650, Oakland, CA 94607



# CONDOR COUNTRY CONSULTING, INC.

March 31, 2010

Representative Ramona Garibay  
Trina Marine Ruano Family  
16010 Halmar Lane  
Lathrop, CA 95330-9757

Subject: **Cultural Resources Consultation for the proposed Computational Research and Theory Facility (CRT), Lawrence Berkeley National Laboratory.**

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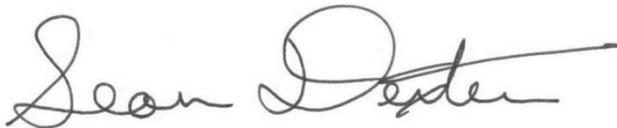
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# CONDOR COUNTRY CONSULTING, INC.

March 31, 2010

Ms. Jakki Kehl  
720 N 2ND ST  
Patterson, CA 95363-2154

**Subject: Cultural Resources Consultation for the proposed Computational Research and Theory Facility (CRT), Lawrence Berkeley National Laboratory.**

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Ms. Jakki Kehl  
March 31, 2010  
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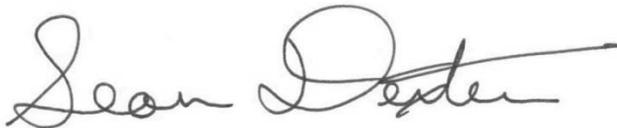
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March 31, 2010

Ms. Ramona Garabay  
Muwekma Ohlone Indian Tribe of the SF Bay Area  
PO Box 360791  
Milpitas, CA 95036

**Subject: Cultural Resources Consultation for the proposed Computational Research and Theory Facility (CRT), Lawrence Berkeley National Laboratory.**

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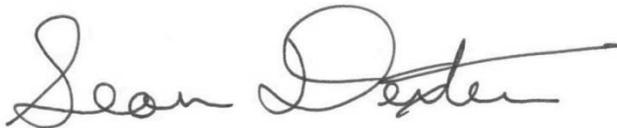
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March 31, 2010

Chairperson Irene Zwierlein  
Amah/Mutsun Tribal Band  
789 Canada Rd  
Woodside, CA 94062

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Chairperson Irene Zwierlein

March 31, 2010

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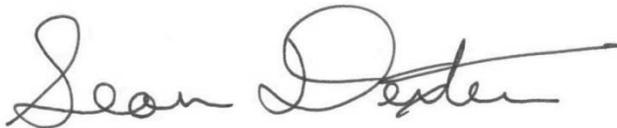
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Thank you in advance for any assistance you can provide.

Sincerely,

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Sean Dexter  
Principal Archaeologist  
Condor Country Consulting, Inc.

Enclosures: Project Area Maps (2)

cc: Ms. Shabnam Barati, Project Manager, Impact Sciences, Inc., 555 12<sup>th</sup> Street  
Suite 1650, Oakland, CA 94607



# CONDOR COUNTRY CONSULTING, INC.

March 31, 2010

Chairperson Ann Marie Sayers  
Indian Canyon Mutsun Band of Ohlone  
PO Box 28  
Hollister, CA 95024

**Subject: Cultural Resources Consultation for the proposed Computational Research and Theory Facility (CRT), Lawrence Berkeley National Laboratory.**

Dear Chairperson Sayers,:

The US Department of Energy (DOE) and the University of California (UC) are in the process of planning a new research facility at the Lawrence Berkeley National Laboratory (LBNL), in Alameda County, California. As the federal lead agency, the DOE is analyzing the potential environmental effects of the proposed project in compliance with the National Environmental Policy Act. The DOE, through its subcontractors UC, Impact Sciences, Inc., and Condor Country Consulting, Inc., is offering you the opportunity to comment on this project.

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March 31, 2010

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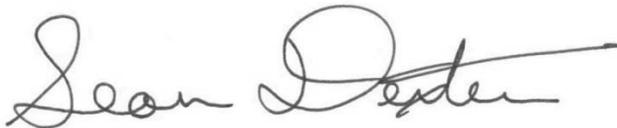
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Sean Dexter  
Principal Archaeologist  
Condor Country Consulting, Inc.

Enclosures: Project Area Maps (2)

cc: Ms. Shabnam Barati, Project Manager, Impact Sciences, Inc., 555 12<sup>th</sup> Street  
Suite 1650, Oakland, CA 94607



# CONDOR COUNTRY CONSULTING, INC.

March 31, 2010

Ms. Jean Marie Feyling  
AMAH/MUTSUN TRIBAL BAND  
19350 Hunter Ct.  
Redding, CA 96003-8638

**Subject: Cultural Resources Consultation for the proposed Computational Research and Theory Facility (CRT), Lawrence Berkeley National Laboratory.**

Dear Ms. Feyling,:

The US Department of Energy (DOE) and the University of California (UC) are in the process of planning a new research facility at the Lawrence Berkeley National Laboratory (LBNL), in Alameda County, California. As the federal lead agency, the DOE is analyzing the potential environmental effects of the proposed project in compliance with the National Environmental Policy Act. The DOE, through its subcontractors UC, Impact Sciences, Inc., and Condor Country Consulting, Inc., is offering you the opportunity to comment on this project.

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Ms. Jean Marie Feyling  
March 31, 2010  
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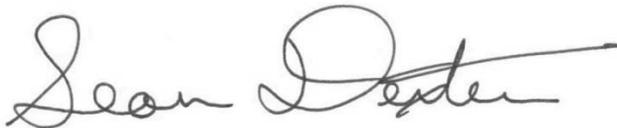
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Enclosures: Project Area Maps (2)

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Suite 1650, Oakland, CA 94607



# CONDOR COUNTRY CONSULTING, INC.

March 31, 2010

Ms. Judy Kennedy, Secretary  
Berkeley Historical Society  
PO Box 1190  
Berkeley, CA 94701

Subject: **Cultural Resources Consultation for the proposed Computational Research and Theory Facility (CRT), Lawrence Berkeley National Laboratory.**

Dear Ms. Kennedy,:

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March 31, 2010  
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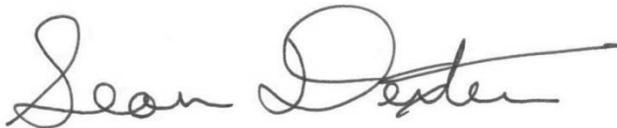
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Condor Country Consulting, Inc.

Enclosures: Project Area Maps (2)

cc: Ms. Shabnam Barati, Project Manager, Impact Sciences, Inc., 555 12<sup>th</sup> Street  
Suite 1650, Oakland, CA 94607



# CONDOR COUNTRY CONSULTING, INC.

March 31, 2010

Ms. Analee Allen  
Alameda County Historical Society  
PMB 307  
484 Lake Park Ave.  
Oakland, CA 94610-2730

**Subject: Cultural Resources Consultation for the proposed Computational Research and Theory Facility (CRT), Lawrence Berkeley National Laboratory.**

Dear Ms. Allen,:

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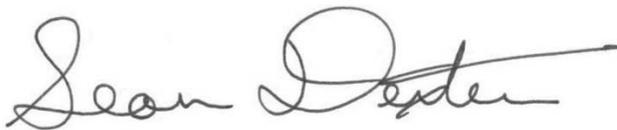
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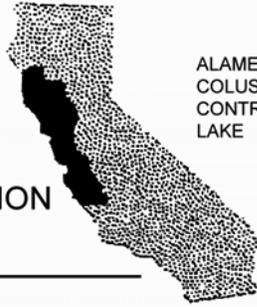
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**Northwest Information Center Results for Proposed Action Site**

**CALIFORNIA  
HISTORICAL  
RESOURCES  
INFORMATION  
SYSTEM**



ALAMEDA  
COLUSA  
CONTRA COSTA  
LAKE

MARIN  
MENDOCINO  
MONTEREY  
NAPA  
SAN BENITO  
SAN FRANCISCO

SAN MATEO  
SANTA CLARA  
SANTA CRUZ  
SOLANO  
SONOMA  
YOLO

**Northwest Information Center**  
Sonoma State University  
1303 Maurice Avenue  
Rohnert Park, California 94928-3609  
Tel: 707.664.0880 • Fax: 707.664.0890  
Email: leigh.jordan@sonoma.edu  
<http://www.sonoma.edu/nwic>

Date: 23 March 2010

NWIC File No: 09-0934

To: Sean Dexter, Condor Country Consulting, Inc., 411 Ferry Street, Suite 6, Martinez, CA 94553-1145

From: Lisa Hagel

re: Berkeley National Lab Computational Research & Theory (CRT) Facility

Oakland West, Oakland East, Richmond, & Briones Valley 7.5'

Sites in or within 1/2 mile radius of the project area: There were no recorded sites within the project area. P-01-10685, 43, 10669, 230, 85, 10578, & 10663 are within 1/2 mile. A database printout for the resources, a copy of P-01-10685, and the mapped locations of the resources are in pdf format on the enclosed cd.

Studies in or within 1/2 mile radius of the project area: S-848, 7903, 9583, 9795, 2458, 9462, 17698, 16660, 20395, 33239, 33600, & 1784 (all overview reports); S-28039 & 8719 included the project location. S-33545, 29012, 30997, 445, 9452, 17501, 20513, 21110, 28828, 28829, 28830, 29668, 31361, & 35041 are within 1/2 mile. Bibliographic references for the reports and the mapped locations of the studies are in pdf format on the enclosed cd.

OHP Historic Properties Directory: Copied the indices for Berkeley. None of the above referenced sites have been evaluated for National Register eligibility.

California Inventory of Historic Resources: Copied the index pages with properties in Berkeley.

Historic Maps (copied the pertinent sections of the maps):

(Nothing was shown in the vicinity of the project on the 1859 Rancho San Antonio (V and D Peralta) Plat Map)

1878 Thompson & West, Historical Atlas Map of Alameda County, California

1895 & 1815 USGS San Francisco Quadrangles

1942 US Army Corps of Engineers, San Francisco Quadrangle, Grid Zone "G"



**CALIFORNIA  
HISTORICAL  
RESOURCES  
INFORMATION  
SYSTEM**



ALAMEDA  
COLUSA  
CONTRA COSTA  
LAKE

MARIN  
MENDOCINO  
MONTEREY  
NAPA  
SAN BENITO  
SAN FRANCISCO

SAN MATEO  
SANTA CLARA  
SANTA CRUZ  
SOLANO  
SONOMA  
YOLO

**Northwest Information Center**  
Sonoma State University  
150 Professional Center Drive, Suite E  
Rohnert Park, California 94928-3609  
Tel: 707.588.8455  
Email: [leigh.jordan@sonoma.edu](mailto:leigh.jordan@sonoma.edu)  
<http://www.sonoma.edu/nwic>

August 5, 2010

NWIC File No.: 10-0123

Sara Morton  
Impact Sciences  
555 12<sup>th</sup> Street, Suite 1650  
Oakland, CA 94607

Re: Rapid response record search results for the proposed Alternative Site at the Richmond Field Station for the Computational Research and Theory Facility Project.

Dear Ms. Morton:

Per your request received by our office on August 3, 2010, a rapid response records search was conducted for the above referenced project by reviewing pertinent Northwest Information Center (NWIC) base maps that reference cultural resources records and reports, historic-period maps, and literature for Contra Costa County. Please note that use of the term cultural resources includes both archaeological resources and historical buildings and/or structures.

Review of this information indicates that there have been two cultural resource studies that include 100% of the Computational Research and Theory Facility project area; Holman 1989: S-11762, an archaeological field survey; and Holman 1989: S-11763, a building evaluation. This project area contains no recorded cultural resources. Local, state and federal inventories include no recorded buildings or structures within the proposed project area. In addition to these inventories, the NWIC base maps show no recorded buildings or structures.

At the time of Euroamerican contact the Native Americans that lived in the area were speakers of the Chochenyo language, part of the Costanoan language family (Levy 1978:485). There are several Native American resources in or adjacent to the proposed project area referenced in the ethnographic literature [the tribal territory of the Huchiun [also spelled Xuyacun] (Levy 1978: 485, Milliken 1995: 243), as well as several Shellmound Sites (Nelson 1909)].

Based on an evaluation of the environmental setting and features associated with known sites, Native American resources in this part of Contra Costa County have been found in areas marginal to the bayshore, and inland near intermittent and perennial watercourses. The Computational Research and Theory Facility project area contains alluvial terraces approximately 450 yards from the former bayshore (Nichols and Wright 1971). Given the similarity of one or more of these environmental factors and the ethnographic sensitivity of the area, there is a moderate to high potential of identifying unrecorded Native American resources in the proposed Computational Research and Theory Facility project area.

Review of historical literature and maps indicated the possibility of historic-period archaeological resources within the Computational Research and Theory Facility project area. The 1915 USGS San Francisco 15-minute topographic quadrangle depicts two to three buildings within the project area. With this in mind, there is a moderate potential of identifying unrecorded historic-period archaeological resources in the proposed Computational Research and Theory Facility project area.

The 1959 USGS Richmond 7.5-minute topographic quadrangle fails to depict any buildings or structures within the Computational Research and Theory Facility project area; therefore, there is a low possibility of identifying any buildings or structures 45 years or older within the project area.

## **RECOMMENDATIONS:**

1) There is a moderate to high possibility of identifying Native American archaeological resources and a moderate possibility of identifying historic-period archaeological resources in the project area. Holman's previous studies from 1989 included 100% of the project area. However, due to the passage of time since the previous surveys and the changes in archaeological theory and method since that time, we recommend a qualified archaeologist conduct further examination of the project area to identify cultural resources. Our usual recommendation would include archival research and a field examination. The proposed project area, however, has been highly developed and is presently covered with asphalt, buildings, or fill that obscures the visibility of original surface soils, which negates the feasibility of an adequate surface inspection. It is recommended that prior to ground disturbance, archival research be conducted to determine the appropriate locations for archaeological monitoring during removal of asphalt or concrete, fill, vegetation, or structures. Following the exposure of the original soils, it is recommended that a field inspection be conducted and a report containing "next-step" recommendations be provided. Please refer to the list of consultants who meet the Secretary of Interior's Standards at <http://www.chrisinfo.org>.

2) If the area of potential effect contains buildings or structures that meet the minimum age requirement, we recommend that the agency responsible for Section 106 compliance consult with the Office of Historic Preservation regarding potential impacts to these buildings or structures.

Project Review and Compliance Unit  
Office of Historic Preservation  
P.O. Box 942896  
Sacramento, CA 94296-0001  
(916) 653-6624

3) Review for possible historic-period buildings or structures has included only those sources listed in the attached bibliography and should not be considered comprehensive.

4) If archaeological resources are encountered **during construction**, work should be temporarily halted in the vicinity of the discovered materials and workers should avoid altering the materials and their context until a qualified professional archaeologist has evaluated the situation and provided appropriate recommendations. Project personnel should not collect cultural resources. Native American resources include chert or obsidian flakes, projectile points, mortars, and pestles; and dark friable soil containing shell and bone dietary debris, heat-affected rock, or human burials. Historic-period resources include stone or adobe foundations or walls; structures and remains with square nails; and refuse deposits or bottle dumps, often located in old wells or privies.

5) It is recommended that any identified cultural resources be recorded on DPR 523 historic resource recordation forms, available online from the Office of Historic Preservation's website: [http://ohp.parks.ca.gov/default.asp?page\\_id=1069](http://ohp.parks.ca.gov/default.asp?page_id=1069)

Thank you for using our services. Please contact this office if you have any questions, (707) 664-0880.

Sincerely,



Jillian Guldenbrein  
Researcher

## LITERATURE REVIEWED

In addition to archaeological maps and site records on file at the Northwest Information Center of the Historical Resources Information System, the following literature was reviewed:

Bowman, J.N.

- 1951 *Adobe Houses in the San Francisco Bay Region*. Geologic Guidebook of the San Francisco Bay Counties, Bulletin 154. California Division of Mines, Ferry Building, San Francisco, CA.

Contra Costa County Planning Department

- 1976 Preliminary Historic Resources Inventory, Contra Costa County, California. Prepared by Contra Costa County Planning Department, n.p.

General Land Office

- 1858 Survey Plat for Rancho San Pablo.

Helley, E.J., K.R. Lajoie, W.E. Spangle, and M.L. Blair

- 1979 *Flatland Deposits of the San Francisco Bay Region - Their Geology and Engineering Properties, and Their Importance to Comprehensive Planning*. Geological Survey Professional Paper 943. United States Geological Survey and Department of Housing and Urban Development.

Holman, Miley Paul (Holman & Associates)

- 1989 *Additional Research into Historic Structures on the Richmond Field Station Property, Richmond, Contra Costa County, California*. NWIC Report S-011763

- 1989 *Archaeological Field Inspection of the Richmond Field Station, Richmond, Contra Costa County, California*. NWIC Report S-011762

Hoover, Mildred Brooke, Hero Eugene Rensch, and Ethel Rensch, revised by William N. Abeloe

- 1966 *Historic Spots in California*. Third Edition. Stanford University Press, Stanford, CA.

Hoover, Mildred Brooke, Hero Eugene Rensch, and Ethel Rensch, William N. Abeloe, revised by Douglas E. Kyle

- 1990 *Historic Spots in California*. Fourth Edition. Stanford University Press, Stanford, CA.

Kroeber, A.L.

- 1925 *Handbook of the Indians of California*. Bureau of American Ethnology, Bulletin 78, Smithsonian Institution, Washington, D.C. (Reprint by Dover Publications, Inc., New York, 1976)

Levy, Richard

- 1978 Costanoan. In *California*, edited by Robert F. Heizer, pp. 485-495. Handbook of North American Indians, vol. 8, William C. Sturtevant, general editor. Smithsonian Institution, Washington, D.C.

Milliken, Randall

- 1995 *A Time of Little Choice: The Disintegration of Tribal Culture in the San Francisco Bay Area 1769-1810*. Ballena Press Anthropological Papers No. 43, Menlo Park, CA.

Myers, William A. (editor)

1977 *Historic Civil Engineering Landmarks of San Francisco and Northern California*. Prepared by The History and Heritage Committee, San Francisco Section, American Society of Civil Engineers. Pacific Gas and Electric Company, San Francisco, CA.

Nelson, N.C.

1909 *Shellmounds of the San Francisco Bay Region*. University of California Publications in American Archaeology and Ethnology 7(4):309-356. Berkeley. (Reprint by Kraus Reprint Corporation, New York, 1964)

Nichols, Donald R., and Nancy A. Wright

1971 Preliminary Map of Historic Margins of Marshland, San Francisco Bay, California. U.S. Geological Survey Open File Map. U.S. Department of the Interior, Geological Survey in cooperation with the U.S. Department of Housing and Urban Development, Washington, D.C.

State of California Department of Parks and Recreation

1976 *California Inventory of Historic Resources*. State of California Department of Parks and Recreation, Sacramento.

State of California Office of Historic Preservation \*\*

2010 *Historic Properties Directory*. Listing by City (through May 2010). State of California Office of Historic Preservation, Sacramento.

Welch, Lawrence E.

1977 *Soils Survey of Contra Costa County, California*. United States Department of Agriculture, Soil Conservation Service, in cooperation with the University of California Agricultural Experiment Station. n.p.

Williams, James C.

1997 *Energy and the Making of Modern California*. The University of Akron Press, Akron, OH.

Woodbridge, Sally B.

1988 *California Architecture: Historic American Buildings Survey*. Chronicle Books, San Francisco.

Works Progress Administration

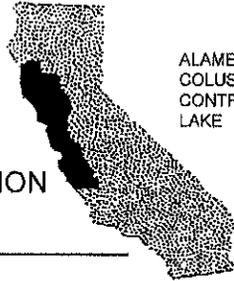
1984 *The WPA Guide to California*. Reprint by Pantheon Books, New York. (Originally published as *California: A Guide to the Golden State* in 1939 by Books, Inc., distributed by Hastings House Publishers, New York.)

\*\*Note that the Office of Historic Preservation's *Historic Properties Directory* includes National Register, State Registered Landmarks, California Points of Historical Interest, and the California Register of Historical Resources as well as Certified Local Government surveys that have undergone Section 106 review.

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**Northwest Information Center Results for 6701 San Pablo Avenue  
Alternative Site**

**CALIFORNIA  
HISTORICAL  
RESOURCES  
INFORMATION  
SYSTEM**



ALAMEDA  
COLUSA  
CONTRA COSTA  
LAKE

MARIN  
MENDOCINO  
MONTEREY  
NAPA  
SAN BENITO  
SAN FRANCISCO

SAN MATEO  
SANTA CLARA  
SANTA CRUZ  
SOLANO  
SONOMA  
YOLO

**Northwest Information Center**  
Sonoma State University  
150 Professional Center Drive, Suite E  
Rohnert Park, California 94928-3609  
Tel: 707.588.8455  
Email: [leigh.jordan@sonoma.edu](mailto:leigh.jordan@sonoma.edu)  
<http://www.sonoma.edu/nwic>

August 9, 2010

NWIC File No.: 10-0135

Sara Morton  
Impact Sciences  
555 12<sup>th</sup> Street, Suite 1650  
Oakland, CA 94607

Re: Rapid response record search results for the proposed Alternative Site for the Computational Research and Theory Facility Project at 6701 San Pablo Avenue, located on the boundary line of the Cities of Berkeley and Oakland, Alameda County, CA.

Dear Ms. Morton:

Per your request received by our office on August 6, 2010, a rapid response records search was conducted for the above referenced project by reviewing pertinent Northwest Information Center (NWIC) base maps that reference cultural resources records and reports, historic-period maps, and literature for Alameda County. Please note that use of the term cultural resources includes both archaeological resources and historical buildings and/or structures.

Review of this information indicates that there has been one cultural resource study that covers 100% of the Computational Research and Theory Facility Project area (Supernowicz 2006: S-32617), please note that this study only included an architectural evaluation. This project area contains no recorded archaeological resources; however, there is one recorded historic-period building, P-01-010862, the Marchant Building within the project area. The State Office of Historic Preservation's Historic Properties Directory (HPD) indicated three recorded buildings within or adjacent to the proposed project area; 1125, 1165, & 1249 67<sup>th</sup> Street. These buildings have three different status codes; 5S2, meaning this individual property is eligible for Local Listing or designation; 6Z, meaning this building was found ineligible for the National Register (NR), California Register (CR), or Local Designation through survey evaluation; and 7R, meaning this building was identified in a reconnaissance level survey, but not evaluated. See enclosed HPD page.

At the time of Euroamerican contact the Native Americans that lived in the area were speakers of the Chochenyo language, part of the Costanoan language family (Levy 1978:485). There is one Native American resource in or adjacent to the proposed project area referenced in the ethnographic literature [the tribal territory of the Huchiun-Aguasto (Milliken 1995:243)].

Based on an evaluation of the environmental setting and features associated with known sites, Native American resources in this part of Alameda County have been found in areas marginal to the bayshore, and inland near intermittent and perennial watercourses. The Computational Research and Theory Facility Project area contains an alluvial plain less than ½ mile from the former bayshore boundary, and was formerly bisected by a creek (Nichols and Wright 1971, 1899 USGS San Francisco 15-minute topographic quadrangle map). Given the similarity of one or more of these environmental factors, there is a moderate potential of identifying unrecorded Native American resources in the proposed Computational Research and Theory Facility Project area.

Review of historical literature and maps indicated the possibility of historic-period archaeological resources within the Computational Research and Theory Facility Project area. The 1899 and 1915 USGS San Francisco 15-minute topographic quadrangle maps indicate two to three buildings within the project area, as well, as an adjacent portion of railroad. With this in mind, there is a moderate potential of identifying unrecorded historic-period archaeological resources in the proposed Computational Research and Theory Facility Project area.

The 1959 USGS Oakland West 7.5-minute topographic quadrangle depicts one building or structure within the Computational Research and Theory Facility Project area. This building/structure meets the Office of Historic Preservation's minimum age standard that buildings, structures, and objects 45 years or older may be of historical value.

## **RECOMMENDATIONS:**

1) There is a moderate possibility of identifying Native American archaeological resources and a moderate possibility of identifying historic-period archaeological resources in the project area. We recommend a qualified archaeologist conduct further archival and field study to identify cultural resources. Field study may include, but is not limited to, pedestrian survey, hand auger sampling, shovel test units, or geoarchaeological analyses as well as other common methods used to identify the presence of archaeological resources. Please refer to the list of consultants who meet the Secretary of Interior's Standards at <http://www.chrisinfo.org>.

2) In addition to the recorded building was identified in the project area, P-01-010862, the Marchant Building, the area of potential effect contains three recorded buildings or structures and possible other unrecorded buildings/structures; therefore, it is recommended that the agency responsible for Section 106 compliance consult with the Office of Historic Preservation regarding potential impacts to these buildings/structures.

Project Review and Compliance Unit  
Office of Historic Preservation  
P.O. Box 942896  
Sacramento, CA 94296-0001  
(916) 653-6624

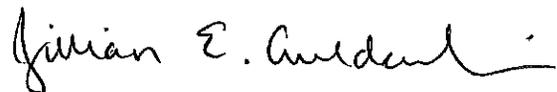
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Thank you for using our services. Please contact this office if you have any questions, (707) 664-0880.

Sincerely,



Jillian E. Guldenbrein  
Researcher

## LITERATURE REVIEWED

In addition to archaeological maps and site records on file at the Historical Resources Information System, Northwest Information Center, the following literature was reviewed:

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Cook, S.F.

1957 *The Aboriginal Population of Alameda and Contra Costa Counties*. University of California Anthropological Records 16(4):131-156. Berkeley and Los Angeles.

General Land Office

1859 Survey Plat for Rancho San Antonio (V&D Peralta).

Helley, E.J., K.R. Lajoie, W.E. Spangle, and M.L. Blair

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1971 Preliminary Map of Historic Margins of Marshland, San Francisco Bay, California. U.S. Geological Survey Open File Map. U.S. Department of the Interior, Geological Survey in cooperation with the U.S. Department of Housing and Urban Development, Washington, D.C.

Sanborn Insurance Maps

1889 Oakland. Sanborn Map Publishing Co. Oakland, CA (Hardcopy).

State of California Department of Parks and Recreation

1976 *California Inventory of Historic Resources*. State of California Department of Parks and Recreation, Sacramento.

State of California Office of Historic Preservation \*\*

2010 *Historic Properties Directory*. Listing by City (through May 2010). State of California Office of Historic Preservation, Sacramento.

Supernowicz, Dana E. (Earth Touch, Inc.)

2006 *Collocation ("CO") Submission Packet, FCC Form 621, Marchant Building, BA-12020A*. NWIC Report S-032617

Thompson & West

1878 Official and Historical Atlas Map of Alameda County, California. Thompson & West, Oakland. (Reprint by Valley Publishers, Fresno, 1976)

Williams, James C.

1997 *Energy and the Making of Modern California*. The University of Akron Press, Akron, OH.

Woodbridge, Sally B.

1988 *California Architecture: Historic American Buildings Survey*. Chronicle Books, San Francisco, CA.

Works Progress Administration

1984 *The WPA Guide to California*. Reprint by Pantheon Books, New York. (Originally published as *California: A Guide to the Golden State* in 1939 by Books, Inc., distributed by Hastings House Publishers, New York.)

\*\*Note that the Office of Historic Preservation's *Historic Properties Directory* includes National Register, State Registered Landmarks, California Points of Historical Interest, and the California Register of Historical Resources as well as Certified Local Government surveys that have undergone Section 106 review.

**NWIC File #10-0135 Historic Properties within the block of 6701 San Pablo Avenue p. 1 of 1**

OFFICE OF HISTORIC PRESERVATION \* \* \* Directory of Properties in the Historic Property Data File for ALAMEDA County. Page 165 05-18-10

PROPERTY-NUMBER	PRIMARY-#	STREET-ADDRESS	NAMES	CITY-NAME	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
106522	01-009715	1122 65TH ST		OAKLAND			PROJ.REVW.	HUD990209D	04/10/98	6Y	
093586	01-001324	1189 65TH ST	BETMON-CITY OF PARIS FRENCH LAUNDR	OAKLAND	P	1860	HIST.SURV.	4623-3399-0000	01/27/97	7R	
093587	01-001325	796 66TH AVE	MCGUIRE & HESTER OFFICE BUILDING	OAKLAND	P	1958	HIST.SURV.	4623-4755-0000	09/30/95	5S2	
093588	01-001326	915 66TH AVE	BODY COMPANY CANNERY WAREHOUSE	OAKLAND	P	1929	HIST.SURV.	4623-1679-0000	09/30/94	7R	
142644		1202 66TH AVE		OAKLAND	P	1944	HIST.SURV.	4623-4756-0000	09/30/95	6Z	
122197	01-010284	1452 66TH AVE		OAKLAND	P	1924	HIST.SURV.	4623-1680-0000	09/30/94	7R	
080492	01-006938	1847 66TH AVE		OAKLAND	P	1924	HIST.RES.	DOE-01-99-0043-0000	06/17/99	6Y	
091711	01-008174	2119 66TH AVE		OAKLAND	U	1925	PROJ.REVW.	HUD990511C	06/17/99	6Y	
112539	01-009981	2133 66TH AVE		OAKLAND	P	1931	PROJ.REVW.	HUD930209C	02/19/93	6Y	
102330	01-008493	2423 66TH AVE		OAKLAND	P	1925	HIST.RES.	DOE-01-97-0034-0000	10/04/94	6Y	
107121	01-009903	2463 66TH AVE		OAKLAND	P	1925	PROJ.REVW.	HUD970929D	10/22/97	6Y	
122157	01-010279	2601 66TH AVE		OAKLAND	P	1925	PROJ.REVW.	HUD960419F	05/15/96	6Y	
082328	01-007027	2680 66TH AVE		OAKLAND	P	1919	HIST.RES.	DOE-01-99-0038-0000	03/20/97	6Y	
085320	01-007687	3500 66TH AVE		OAKLAND	P	1925	PROJ.REVW.	HUD990413C	06/14/99	6Y	
114828	01-010102	3561 66TH AVE		OAKLAND	P	1924	PROJ.REVW.	HUD930513B	06/24/93	6Y	
104354	01-008632	438 66TH ST		OAKLAND	P	1924	PROJ.REVW.	HUD930503A	06/14/93	6Y	
106523	01-009716	568 66TH ST		OAKLAND	P	1924	PROJ.REVW.	HUD931201B	01/07/94	6Y	
074231	01-006777	635 66TH ST		OAKLAND	P	1940	HIST.RES.	DOE-01-98-0011-0000	03/17/98	6Y	
086628	01-007994	1085 66TH ST		OAKLAND	U	1900	PROJ.REVW.	HUD980112M	03/17/98	6Y	
123722	01-010336	1616 67TH AVE		OAKLAND	P	1922	PROJ.REVW.	HUD961001A	10/22/96	6Y	
099091	01-008392	1701 67TH AVE		OAKLAND	P	1860	HIST.SURV.	4623-3400-0000	01/27/97	7R	
099125	01-008406	1827 67TH AVE		OAKLAND	P	1900	PROJ.REVW.	HUD911211E	01/07/92	6Y	
095752	01-008303	1845 67TH AVE		OAKLAND	P	1908	PROJ.REVW.	HUD931222GA	01/20/94	6Y	
084216	01-007384	2457 67TH AVE		OAKLAND	P	1924	HIST.RES.	DOE-01-99-0078-0000	11/15/99	6Y	
082466	01-007030	2627 67TH AVE		OAKLAND	P	1924	PROJ.REVW.	HUD991026B	11/15/99	6Y	
101211	01-008428	2753 67TH AVE		OAKLAND	P	1917	PROJ.REVW.	HUD951113I	01/02/96	6Y	
103232	01-008521	2754 67TH AVE		OAKLAND	P	1925	PROJ.REVW.	HUD951121D	01/03/96	6Y	
093589	01-001327	2936 67TH AVE	EVERGREEN CEMETERY MAUSOLEUM	OAKLAND	P	1923	PROJ.REVW.	HUD950210F	03/30/95	6Y	
093590	01-001328	1125 67TH ST	SEALY MATTRESS COMPANY BUILDING	OAKLAND	P	1924	PROJ.REVW.	HUD930812N	09/16/93	6Y	
093591	01-001329	1165 67TH ST	JENSEN & NELSEN AUTO BODY FACTORY	OAKLAND	P	1935	PROJ.REVW.	HUD930513D	06/24/93	6Y	
093592	01-001330	1249 67TH ST	F.A.B. MANUFACTURING COMPANY FACTO	OAKLAND	P	1925	PROJ.REVW.	HUD960201F	03/15/96	6Y	
097261	01-008366	2507 68TH AVE		OAKLAND	P	1917	HIST.SURV.	4623-4757-0000	09/30/95	3S	
086648	01-007998	2639 68TH AVE		OAKLAND	P	1925	HIST.SURV.	4623-1682-0000	09/30/94	7R	
101958	01-008463	2648 68TH AVE		OAKLAND	P	1946	HIST.SURV.	4623-4758-0000	09/30/95	6Z	
091714	01-008177	2707 68TH AVE		OAKLAND	U	1924	PROJ.REVW.	4623-1683-0000	09/30/94	7R	
101957	01-008462	3422 68TH AVE		OAKLAND	P	1923	HIST.SURV.	4623-1684-0000	09/30/94	7R	
068696	01-005857	458 68TH ST		OAKLAND	P	1927	HIST.SURV.	4623-4759-0000	09/30/95	5S2	
072926	01-006728	890 69TH AVE	VICTORIAN ROW/ LEIMERT BLOCK	OAKLAND	P	1927	HIST.SURV.	4623-1685-0000	09/30/94	7R	
089205	01-008091	944 69TH AVE		OAKLAND	P	1924	PROJ.REVW.	HUD9507050	08/31/95	6Y	
104044	01-008623	1515 69TH AVE		OAKLAND	P	1925	PROJ.REVW.	HUD931123D	01/12/94	6Y	
119325	01-010222	1749 69TH AVE		OAKLAND	P	1927	PROJ.REVW.	HUD960328E	04/24/96	6Y	
091103	01-008160	1820 69TH AVE		OAKLAND	P	1939	PROJ.REVW.	HUD940815A	10/04/94	6Y	
				OAKLAND	P	1927	PROJ.REVW.	HUD960328F	04/24/96	6Y	
				OAKLAND	U	1925	PROJ.REVW.	HUD910823B	03/13/80	2	AC
				OAKLAND	P	1941	PROJ.REVW.	HUD940406J	09/04/91	6Y	
				OAKLAND	P	1926	PROJ.REVW.	HUD960920E	04/27/94	6Y	
				OAKLAND	P	1946	HIST.RES.	DOE-01-95-0084-0000	10/03/96	6Y	
				OAKLAND	P	1926	PROJ.REVW.	HUD950920B	09/20/95	6U	
				OAKLAND	P	1946	HIST.RES.	DOE-01-95-0084-0000	09/20/95	6U	
				OAKLAND	P	1925	PROJ.REVW.	HUD940725G	08/29/94	6Y	



## TELEPHONE LOG

CALLER: Sara Morton DATE: August 12, 2010 TIME: 1:30 PM

SUBJECT: NWIC Record Search Results at 6701 San Pablo Avenue

RECEIVED BY: Jillian E. Guldenbrein TITLE: Researcher

ORGANIZATION: Northwest Information Center

DEPARTMENT: \_\_\_\_\_

PHONE No.: (707) 664-0880

FAX No.: \_\_\_\_\_

### Discussion Items

There are three recorded buildings at 1125, 1165, & 1249 67<sup>th</sup> Street. Jill could not identify exact locations of these buildings.

An architectural evaluation was conducted at the Marchant Building (Supernowicz 2006: S-32617). Based on this evaluation, the Marchant Building at 6701 San Pablo Avenue is a recorded historic-period building. Jill confirmed that the building was not included in the State Office of Historic Preservation's Historic Properties Directory. Jill stated that the architectural evaluation found that the building could be designated as 3S.



**OFFICE OF HISTORIC PRESERVATION  
DEPARTMENT OF PARKS AND RECREATION**

1725 23<sup>rd</sup> Street, Suite 100  
SACRAMENTO, CA 95816-7100  
(916) 445-7000 Fax: (916) 445-7053  
calshpo@parks.ca.gov  
www.ohp.parks.ca.gov



REC'D OCT 14 2010

October 13, 2010

Reply in Reference To: DOE100920A

Mr. Kim Abbott  
Cultural Resources Management Coordinator  
Department of Energy, Office of Science  
Berkeley Site Office  
Lawrence Berkeley National Laboratory  
1 Cyclotron Road, MS 90-1023  
Berkeley, CA 94720

Re: Section 106 Consultation for Construction of Computational Research and Theory Facility,  
Lawrence Berkeley National Laboratory, Alameda County

Dear Mr. Abbott:

Thank you for initiating consultation regarding the Department of Energy's (DOE) efforts to comply with Section 106 of the National Historic Preservation Act of 1966 (16 U.S.C. 470f), as amended, and its implementing regulation found at 36 CFR Part 800.

You have identified the undertaking as the construction of a three-story computational research and theory facility at Lawrence Berkeley National Laboratory. The approximately 126,000 square foot building will be constructed on a 2.25 acre parcel adjacent to the University of California campus.

In support of this undertaking, the DOE has submitted maps, evidence of tribal notification and the results of a records search and pedestrian archeological survey. No recorded cultural resources have been recorded within the project area but according to the information provided, there are three buildings adjacent to the site. After reviewing this information, I have the following comments:

- 1) Please provide a narrative project description including the extent and depth of all ground disturbance.
- 2) Please provide photographs and the dates of construction for Buildings 70, 70A and 50. If these buildings are over 45 years of age, please submit an evaluation for each structure using National Register Criteria.
- 3) Please provide a map and narrative justification of the project's Area of Potential Effect (APE). This should include a discussion of the project's potential visual effects.

13 October 2010

DOE100920A

Page 2 of 2

Thank you for seeking my comments and considering historic properties as part of your project planning. If you have any questions or concerns, please contact Ed Carroll of my staff at (916) 445-7006 or at email at [ecarroll@parks.ca.gov](mailto:ecarroll@parks.ca.gov).

Sincerely,

*Susan K Stratton for*

Milford Wayne Donaldson, FAIA  
State Historic Preservation Officer



**Department of Energy**  
Office of Science  
Berkeley Site Office  
Lawrence Berkeley National Laboratory  
1 Cyclotron Road, MS 90-1023  
Berkeley, California 94720

NOV 18 2010

Milford Wayne Donaldson  
FAIA State Historic Preservation Officer  
Office of Historic Preservation  
California Department of Parks and Recreation  
P.O. Box 942896  
Sacramento, CA 94296-0001

**Subject: Section 106 Consultation for Construction of Computational Research and Theory Facility, Lawrence Berkeley National Laboratory (LBNL)**

Dear Mr. Donaldson:

In accordance with 36 CFR Part 800, the U.S. Department of Energy (DOE) Berkeley Site Office (BSO) requested your consultation regarding the undertaking of the construction of the Computational Research and Theory Facility at the Lawrence Berkeley National Laboratory, Alameda County, California. In your October 13, 2010, response letter, reference DOE100920A DOE/BSO, you asked that we provide: 1) a narrative project description including the extent and depth of all ground disturbance; 2) photographs of and the dates of construction for Buildings 70, 70A and 50 and, if those buildings were over 45 years of age, to also submit an evaluation for each structure using National Register Criteria; and 3) a map and narrative justification of the project's Area of Potential Effect (APE) including a discussion of the project's potential visual effects.

As requested, we are enclosing a narrative project description and supporting figures (Enclosure 1), a narrative and justification of the APE for the Proposed Action (Enclosure 2), a map of the APE (Enclosure 3), and the photographs you requested of Buildings 70, and 70A (Enclosure 4). The APE for the Proposed Action includes Buildings 50, 70, 70A, 88, 65, 65A, and 65B.

LBNL consultant, Condor Country Consulting, conducted a records search for the Proposed Action with the Northwest Information Center of the California Historical Resources Information System at Sonoma State University's California Historical Resources Information

Center. According to the records search Buildings 50, 65, 65A, 65B, 70, 70A, and 88 are not recorded as archaeological sites/historic resources.

Building 50 was previously evaluated and determined not eligible for inclusion in the National Register of Historic Places (see Enclosure 5).

Buildings 65A and B are not eligible for inclusion in the National Register of Historic Places because they are not over 45 years old (built in 1984 and 1983) and therefore not eligible. Building 65 was built in 1952. Building 65 is an administrative building and has no association with any events or the lives of persons of significance in our history. In addition, none of the architectural and engineering elements of these buildings embody unique or significant design characteristics. Enclosure 6 shows the photographs of Building 65.

Although Buildings 70 and 70A have some associations with Nobel laureates and other prominent Laboratory scientists and researchers, much of their hands-on scientific work occurred in other research facilities. Building 70 was constructed in 1955 and Building 70A was constructed in 1961. The architectural elements, and scientific and engineering features of these buildings have been altered to the extent that they have lost any historical integrity. In addition, none of the architectural and engineering elements of these buildings embodies unique or significant design characteristics. Enclosure 4 shows the photographs you requested of Buildings 70 and 70A.

Building 88, constructed between 1958 and 1962, may be eligible for inclusion in the National Register of Historic Places under the National Register criteria for evaluation (a) and criteria considerations (g). The APE for Building 88 would be the interior of the building because the potential significance for Building 88 lies in the scientific accomplishments or events that took place within the facility. The APE for Building 88 would therefore not be affected by the construction of the Proposed Action.

We hope that after you have had an opportunity to review this letter and the attached materials, you will concur with our determination that, in accordance 36 CFR Chapter 1 Part 60.4, Buildings 65, 70, and 70A are not eligible under the National Register criteria for evaluation (a), (b), or (c), that criterion (d) is not applicable, and that Buildings 65, 70, and 70A are not eligible for inclusion in the National Register of Historic Places, that the Proposed Action will not affect the APE of Building 88 and that DOE's proposed action will not affect historic properties.

If you have any questions, please contact Kim Abbott at (510) 486-7909, or email him at [kim.abbott@bso.science.doe.gov](mailto:kim.abbott@bso.science.doe.gov).

Sincerely,



Aundra Richards  
Site Manager  
Berkeley Site Office

Enclosure:

- (1) Narrative Project Description and supporting figures
- (2) Narrative and Justification of the APE for the Proposed Action
- (3) Map of the APE for the Proposed Action
- (4) Photos of Buildings 70 and 70A
- (5) Office of Historic Preservation Department of Parks and Recreation Letter dated August 8, 2007
- (6) Photos of Buildings 65, 65A and B

cc:

Kim Abbott, BSO  
Jeff Philliber, LBNL  
Pat Burke, CH GLD  
Katatra Vasquez, ORO

## **Enclosure (1) Narrative Project Description**

The U.S. Department of Energy (DOE) proposes to relocate and consolidate all Advanced Scientific Computing Research (ASCR)-funded LBNL programs in one location on the Lawrence Berkeley National Laboratory (LBNL) site. The programs will be relocated into a new three-story building that will be constructed at LBNL by the University of California (UC or University). The new building will be called the Computational Research and Theory (CRT) facility.

The new three-story building would consist of a 2,973 square meters (32,000 gross square feet (gsf)) high performance computer (HPC) floor with a high ceiling and two additional floors of office space for a total 11,706 square meters (126,000 gross square feet) of space. The two floors above the HPC floor would provide a variety of general office, computer configuration and support, software support, videoconferencing, meeting and visualization laboratory spaces.

The site for the proposed building is 0.91-hectare or 2.25 acres in total area and is located adjacent to Cyclotron Road and Chu Road. Construction access to the project site would be via Cyclotron Road, Chu Road, and a new access driveway from Chu Road. Parking for construction workers would be provided off site, and buses would transport construction workers to the project site. Staging areas would be established where feasible on the project site.

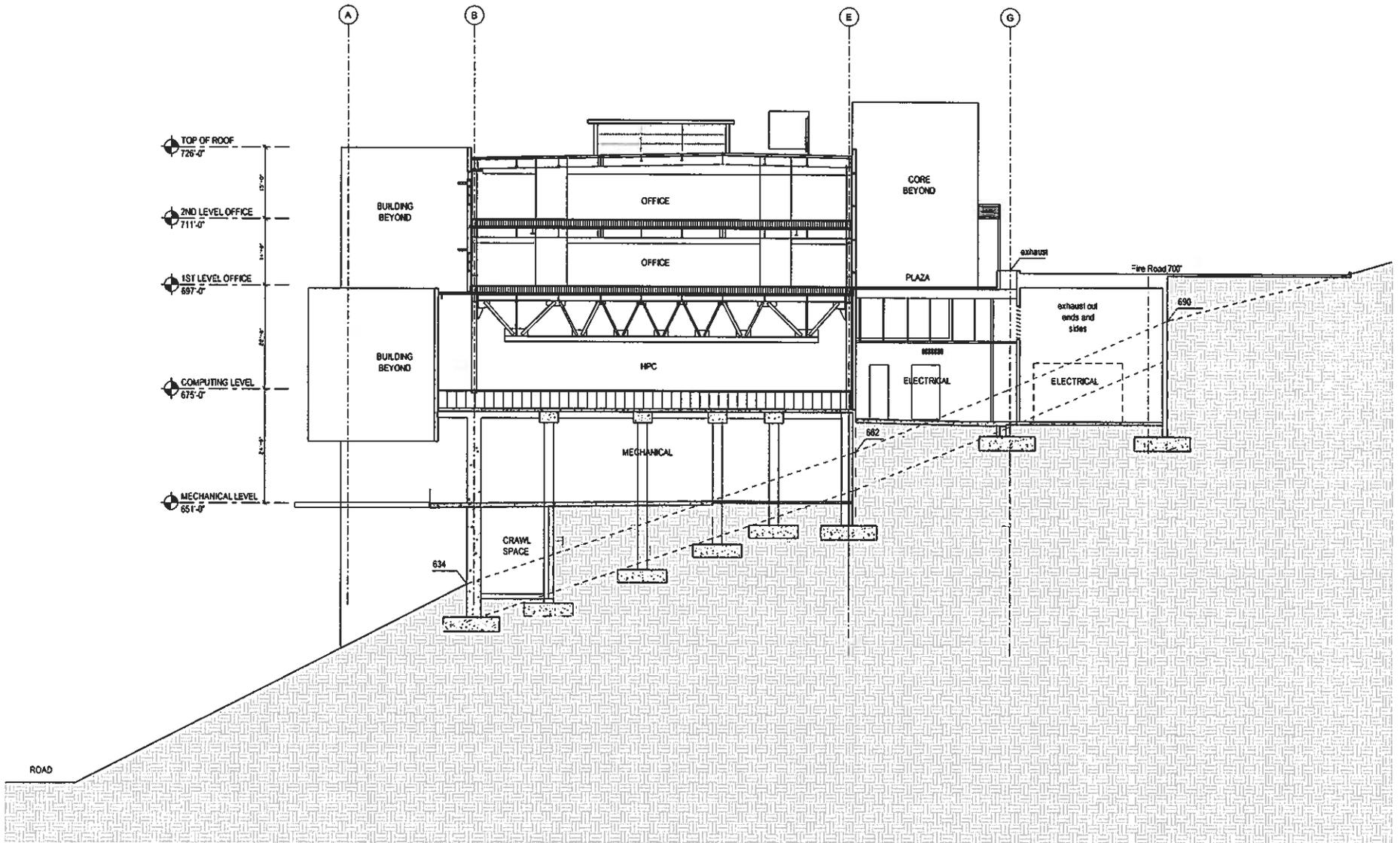
The entire 2.25-acre site (see **Figure 3.0-2**) will be disturbed during project construction. Because of the hillside location of the proposed building, project construction will involve both cuts and fills. The depth of excavation will vary. **Figure 3.0-4** shows a cross section of the proposed building and depths to which the piers will extend below the building. The depth of excavation for building construction will vary from 0 to 30 feet below existing grade. Utility trenching will not exceed 20' in depth.

## **Enclosure (2). APE Narrative and Justification**

The horizontal Area of Potential Effect (APE) map is attached. This encompasses the APE for both archaeological resources and built environment features. The archaeological resources APE is defined as including all areas that would be subject to ground disturbance under the Proposed Action. The APE for the built environment features was defined to include the first set of buildings adjacent to the project site. Other LBNL buildings beyond the first set of buildings would not be directly or indirectly affected by the construction of the proposed building. Note that the project site is located within the LBNL site on land owned by the University of California and is surrounded on all sides by University-owned land.

The vertical APE is defined to include all areas that will be excavated within the horizontal APE. As shown in **Figure 3.0-4**, the depth of the APE is between 1 and 30 feet of excavation.

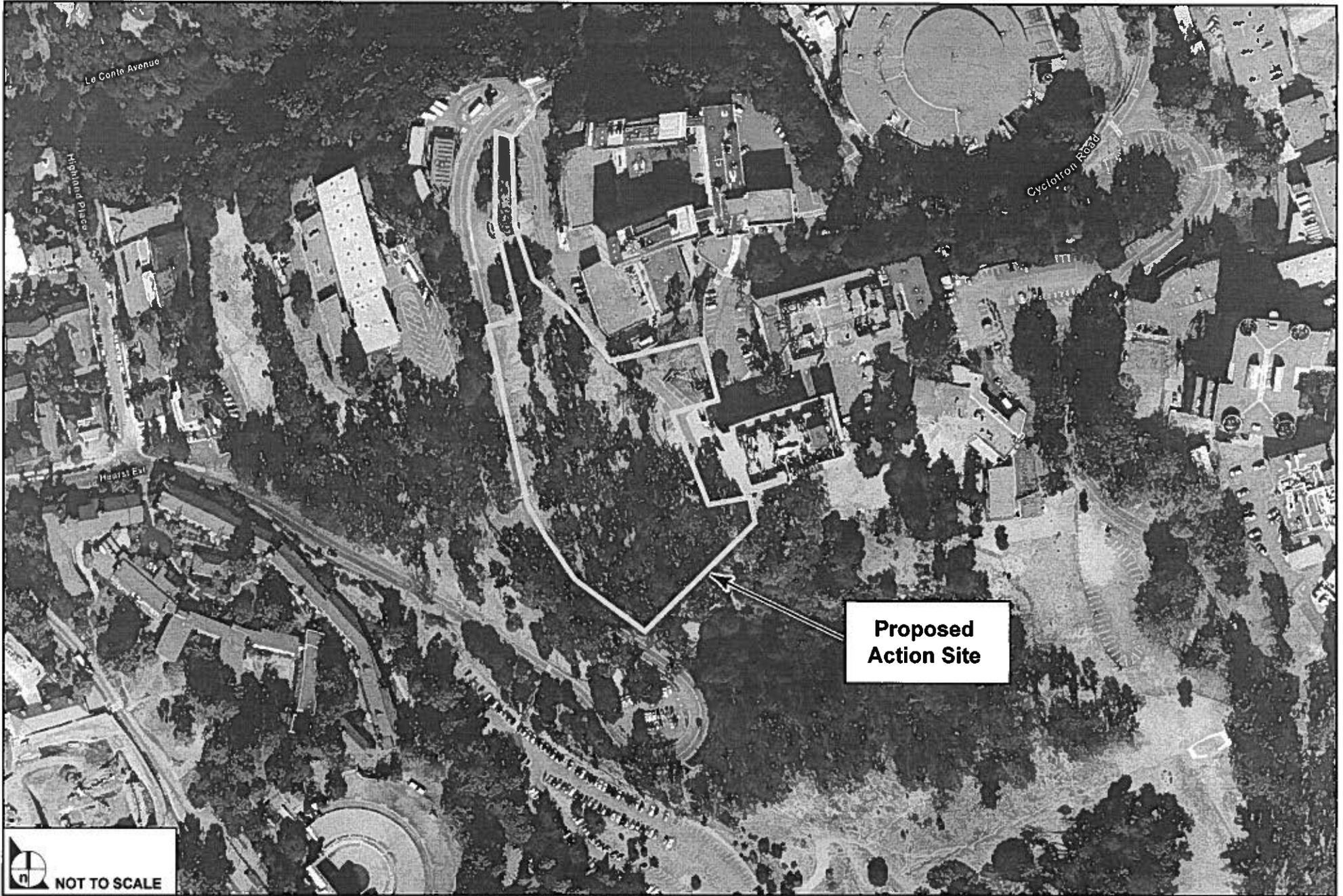
The Proposed Action's visual effects are described in the Environmental Assessment. As that analysis shows, due to grade changes, intervening topography and vegetation, the proposed building would not be visible from most off-site locations. In addition, as discussed in the cover letter, with the exception of Building 88, none of the buildings in the immediate vicinity of the proposed CRT building are considered eligible for the National Register and therefore the construction of the proposed building would not affect the context or the setting of any potential historic structures. As discussed in the letter, although Building 88 may potentially be eligible for listing, its eligibility stems not from the design or the exterior appearance of the building but from activities that were conducted inside the building. Therefore, construction of the CRT building should not detract from the historical significance of Building 88.



43 SOURCE: Perkins & Will - January 2010

FIGURE 3.0-4

CRT Facility Section



74 SOURCE: Google Earth - July 2007, Perkins+Will - September 2007

FIGURE 3.0-2

Approximate Proposed Action Site



**CONDOR COUNTRY**  
CONSULTING, INC.

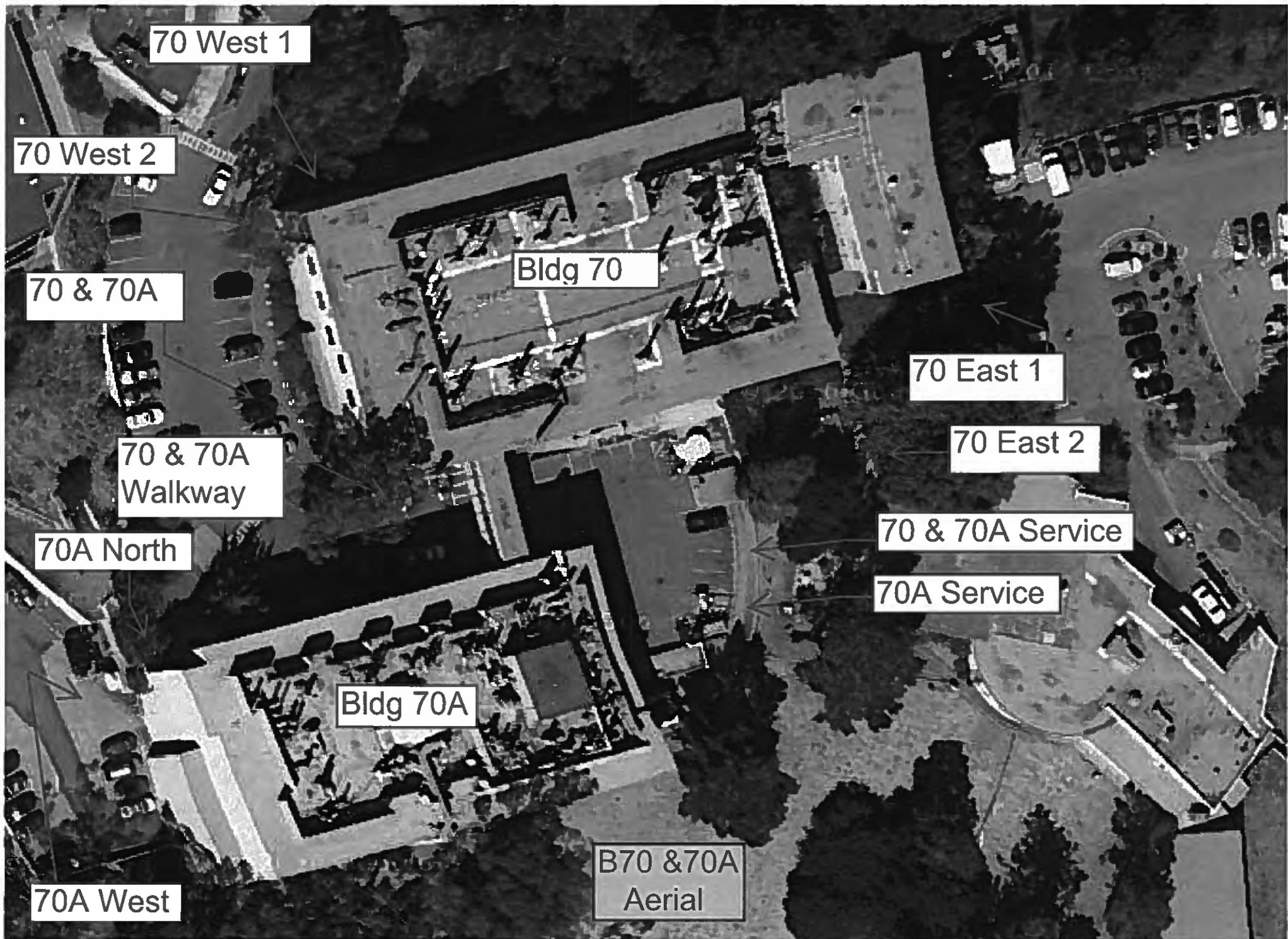
**BERKELEY LAB**  
LAWRENCE BERKELEY NATIONAL LABORATORY

N

**AREA OF POTENTIAL EFFECTS MAP (ARCHAEOLOGY & ARCHITECTURAL HISTORY)**

COMPUTATIONAL RESEARCH AND THEORY FACILITY PROJECT

FEDERAL ID NO: DOE EA#1700	FIGURE 1	DATE: November 2010	SHEET 1 OF 1
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70 West 1

70 West 2

70 & 70A

70 & 70A  
Walkway

70A North

70A West

Bldg 70

Bldg 70A

B70 & 70A  
Aerial

70 East 1

70 East 2

70 & 70A Service

70A Service



70 East 2



70 East 1



70 West 2

2

49



70 & 70A



70A North

70 & 70A Walkway

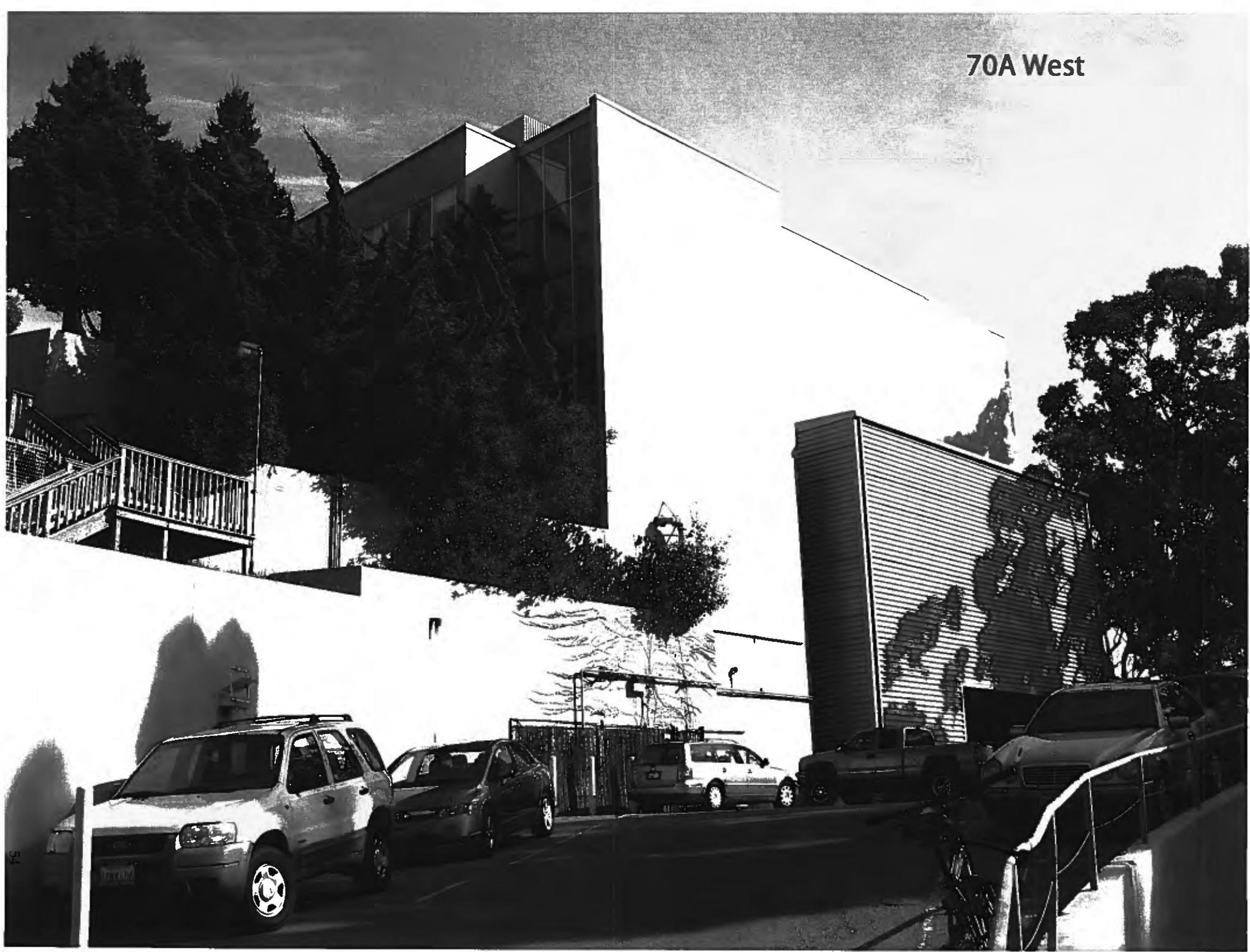




70

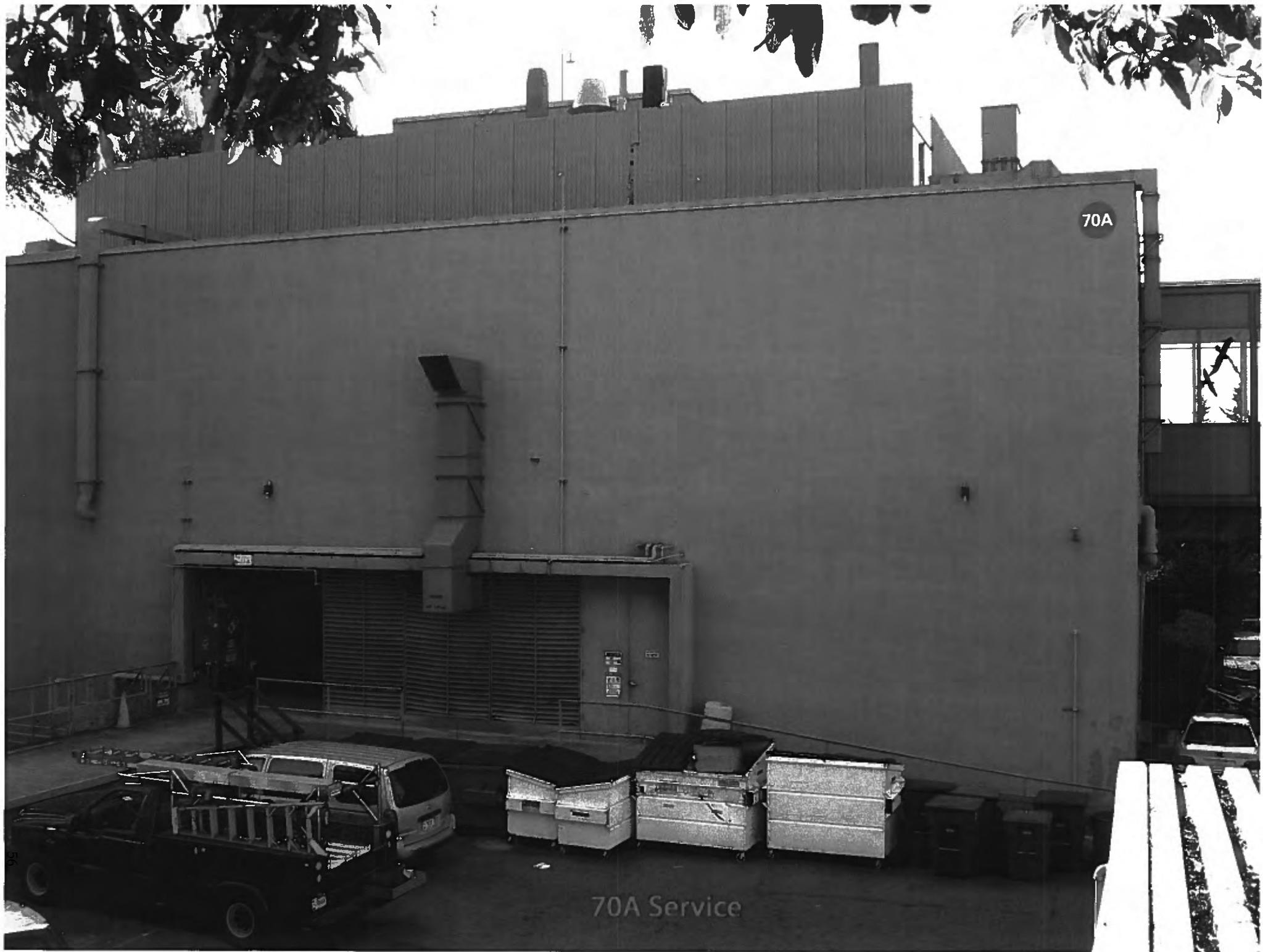
70 West 1

70A West



# 70 & 70A Service





70A

70A Service

**OFFICE OF HISTORIC PRESERVATION  
DEPARTMENT OF PARKS AND RECREATION**

P.O. BOX 942896  
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calshpo@ohp.parks.ca.gov  
www.ohp.parks.ca.gov



8 August 2007

REPLY TO: DOE070609A

Audra Richards, Site Manager  
Department of Energy  
Berkeley Site Office  
Lawrence Berkeley National Laboratory  
1 Cyclotron Road, MS 90-1023  
Berkeley, CA 94720

Re: Section 106 Conference for Determination of Eligibility of Building 50, Lawrence Berkeley National Laboratory (LBNL), Berkeley, Alameda County, CA

Dear Ms. Richards:

Thank you for initiating consultation with me pursuant to 36 CFR Part 800, the regulation that implements Section 106 of the National Historic Preservation Act of 1966 (16 U.S.C. 470f), as amended, and other applicable regulations. Your letter of 16 July 2007 requests that I concur with the determination that Building 50 is not eligible for inclusion in the National Register of Historic Places (NRHP).

Building 50 housed the Ernest Orlando Lawrence Berkeley National Laboratory Directorate and most of the lab's administrative office. It also provided office and research facilities for some of the lab's most important scientists and Nobel Prize laureates, and became the center of high-energy physics research at LBNL. The building is significant for these associations; however, it does not retain sufficient integrity to convey its significance. Since its original construction in 1949, there have been six additions to Building 50 and the original design and appearance has been significantly altered.

Because of the loss of integrity, DOE has determined that Building 50 is not eligible for inclusion in the NRHP. I concur with this determination.

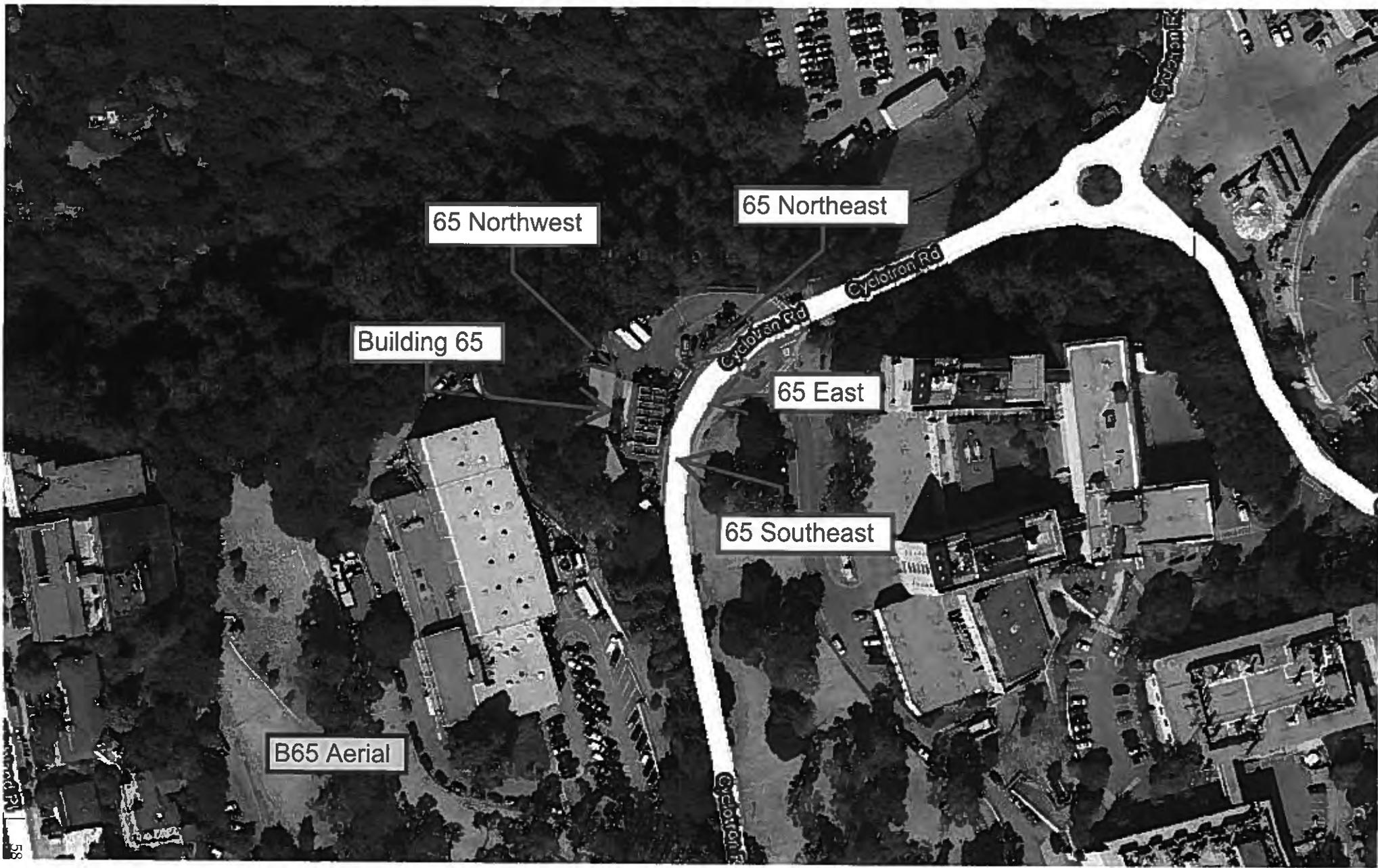
Thank you for the opportunity to comment on this undertaking. If you have any questions about my comments, please contact staff architectural historian Amanda Blosser at (916) 653-9010 or at [ablosser@parks.ca.gov](mailto:ablosser@parks.ca.gov).

Sincerely,

*Susan K Stratton for*

Milford Wayne Donaldson, FAIA  
State Historic Preservation Officer

MWD:ab



65 Northwest

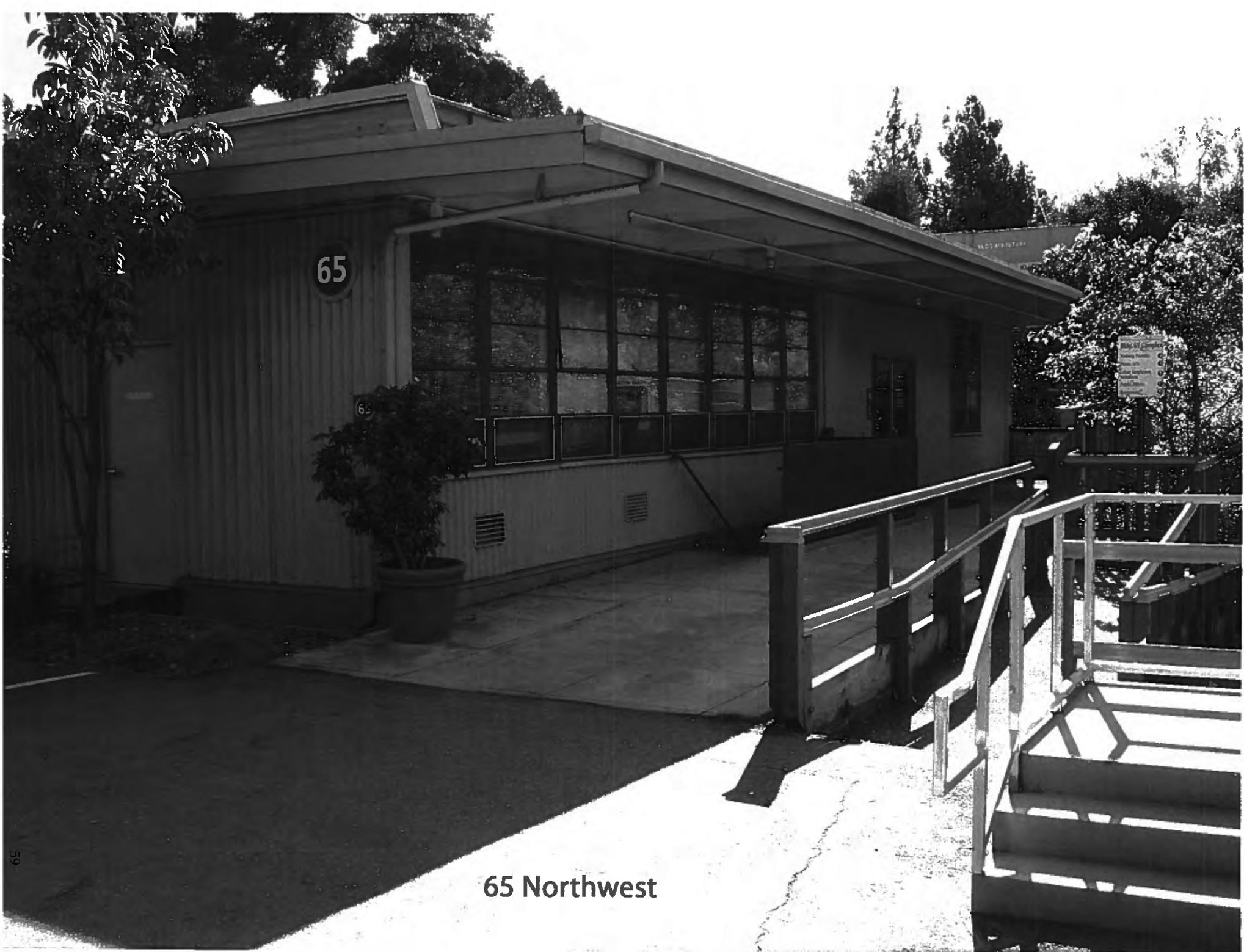
65 Northeast

Building 65

65 East

65 Southeast

B65 Aerial



65

65

Handicap Accessible  
• Restrooms  
• Drinking Water  
• Seating  
• Signage  
• Telephones  
• Vending Machines  
• Wheelchair Accessible  
• Accessible Pathways

65 Northwest

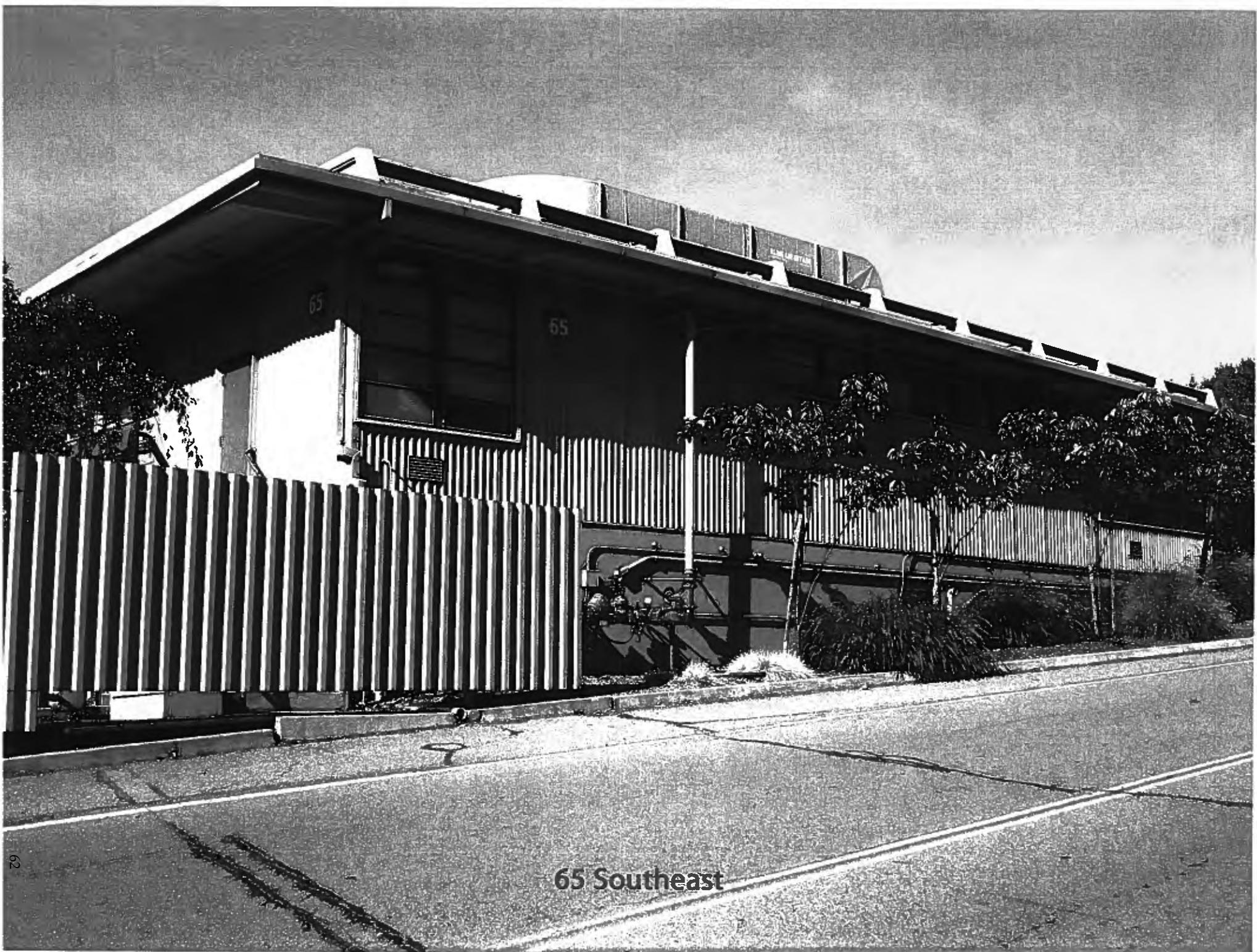


09

65 East



65 Northeast



65 Southeast

**OFFICE OF HISTORIC PRESERVATION  
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calshpo@parks.ca.gov  
www.ohp.parks.ca.gov



REC'D DEC 14 2010

December 10, 2010

Reply in Reference To: DOE100920A

Mr. Kim Abbott  
Cultural Resources Management Coordinator  
Department of Energy, Office of Science  
Berkeley Site Office  
Lawrence Berkeley National Laboratory  
1 Cyclotron Road, MS 90-1023  
Berkeley, CA 94720

Re: Section 106 Consultation for Construction of Computational Research and Theory Facility,  
Lawrence Berkeley National Laboratory, Alameda County

Dear Mr. Abbott:

Thank you for continuing consultation regarding the Department of Energy's (DOE) efforts to comply with Section 106 of the National Historic Preservation Act of 1966 (16 U.S.C. 470f), as amended, and its implementing regulation found at 36 CFR Part 800.

I am writing in response to your 18 November 2010 letter addressing my requests for additional information regarding the above referenced project. According to the information provided, DOE is proposing to construct a 126,000 square foot three-story computational research and theory facility. Construction will require a new access driveway and excavation for piers and utilities to a maximum of 30 feet below grade over the entire 2.25-acre project area.

The results of a records search and pedestrian survey did not identify the presence of any archeological resources within the project area, however according to the search results, the project area "has been highly developed" subsequently obscuring the "the visibility of original surface soils, which negates the feasibility of an adequate surface inspection." An assessment of adjacent buildings and structures identified Buildings 50 (A-E), 65, 65A, 65B, 70, 70A and 88 as being within the project's Area of Potential Effect (APE). Building 50, constructed in 1949, was determined ineligible for National Register (NRHP) listing through consensus with my office in 2007. Buildings 65, 70 and 70A, constructed in 1952, 1955 and 1961 respectively, are older than 50 years of age and have incurred extensive modifications since their construction. Furthermore, pending further evaluation, Building 88 may be eligible for NRHP listing under Criteria A and g but the building's significance will not be affected by this project.

DOE is requesting my concurrence with their determinations that Buildings 65, 70 and 70A are *not* eligible for listing in the NRHP, that Building 88 will not be affected by this project as proposed and that no historic properties will be affected by this project. After reviewing the accompanying documentation, including tribal consultation, maps, photographs, and the

following document: *Environmental Assessment for the Computational Research and Theory Facility Project* (September 2010), I have the following comments:

- 1) I concur that the APE has been properly determined and documented pursuant to 36 CFR Parts 800.4 (a)(1) and 800.16(d).
- 2) I concur that Buildings 65, 70 and 70A are *not* eligible for NRHP listing.
- 3) I concur that Building 88's historic significance will not be affected by this project as proposed.
- 4) Section 4.2.5 (page 19) of the Environmental Assessment you submitted in support of this project addresses your efforts to identify cultural resources within the project area. This assessment quotes a records search from the Northwest Information Center as indicating there is a "low potential for Native American sites in the project area" and as a result "a low possibility of identifying Native American or historic-period archeological deposits in the project area." Conversely, the accompanying records search results (in the same document) from the Northwest Information Center clearly states that "there is a moderate to high possibility of identifying Native American archeological resources and a moderate possibility of identifying historic-period archeological resources in the project area." In the interest of clarification and pursuant to 36 CFR Part 800.4, I recommend that a qualified archeologist conduct geoarcheological studies in *all* areas of planned ground disturbance, inclusive of utility trench lines and pier excavation. Once completed, a report and summary should be sent to my office for review in order to continue this consultation.
- 5) I am currently unable to concur with your finding of no historic properties affected.

Thank you for seeking my comments and considering historic properties as part of your project planning and I look forward to continuing consultation with DOE for this project. If you have any questions or concerns, please contact Ed Carroll of my staff at (916) 445-7006 or at email at [ecarroll@parks.ca.gov](mailto:ecarroll@parks.ca.gov).

Sincerely,



Milford Wayne Donaldson, FAIA  
State Historic Preservation Officer



**Department of Energy**  
Office of Science  
Berkeley Site Office  
Lawrence Berkeley National Laboratory  
1 Cyclotron Road, MS 90-1023  
Berkeley, California 94720

DEC 21 2010

Milford Wayne Donaldson  
FAIA-State Historic Preservation Officer  
Office of Historic Preservation  
California Department of Parks and Recreation  
1725 23<sup>rd</sup> Street, Suite 100  
Sacramento, CA 95816-7100

**Subject: Section 106 Consultation for Construction of Computational Research and Theory Facility (CRT) Lawrence Berkeley National Laboratory (LBNL)**

Dear Mr. Donaldson:

We received your December 10, 2010, letter (reference DOE100920A) in which you recommended that we obtain a qualified archeologist to conduct a geoarcheological study in areas of planned ground disturbance and submit a report for your office to review in order to continue this consultation.

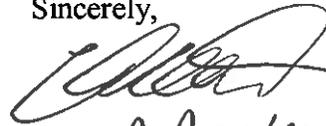
Your request was based on the fact the draft Environmental Assessment (EA) contained a records search from the Northwest Information Center that states that "there is a moderate to high possibility of identifying historic-period archeological resources in the project area." This report was prepared for the Richmond Field Station (RFS) site, which is identified in the draft EA as one of the alternate sites for construction of the CRT. We agree that the RFS would require additional studies to determine if historic properties would be affected if that were the proposed site for the project. However, as described elsewhere in the EA, the site that we have selected for the proposed action is the LBNL site, not the RFS.

With respect to the proposed action site where we are actually proposing to build the CRT (the area at LBNL below building 50), the draft EA page 4.0-19 section 4.2.5 notes that there is a "low potential for Native American sites in the project area." Since the proposed action site has a low potential for Native American sites, we believe that no further studies are required for this site.

We therefore request your concurrence for constructing the CRT at the LBNL site below building 50 so that we can complete the consultation without having to conduct additional studies. If the RFS site is selected, then we will resume consultation and conduct the additional studies you requested.

If you have any questions, please contact Kim Abbott at (510) 486-7909, or email him at [kim.abbott@bso.science.doe.gov](mailto:kim.abbott@bso.science.doe.gov).

Sincerely,



C.D. Amador for

Aundra Richards  
Site Manager  
Berkeley Site Office

cc:

K. Abbott, BSO  
J. Philliber, LBNL  
P. Burke, OCC  
K. Vasquez, ORO

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DEPARTMENT OF PARKS AND RECREATION**

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www.ohp.parks.ca.gov



January 18, 2011

Reply in Reference To: DOE100920A

Mr. Kim Abbott  
Cultural Resources Management Coordinator  
Department of Energy, Office of Science  
Berkeley Site Office  
Lawrence Berkeley National Laboratory  
1 Cyclotron Road, MS 90-1023  
Berkeley, CA 94720

Re: Section 106 Consultation for Construction of Computational Research and Theory Facility,  
Lawrence Berkeley National Laboratory, Alameda County

Dear Mr. Abbott:

You are continuing consultation regarding the Department of Energy's (DOE) efforts to comply with Section 106 of the National Historic Preservation Act of 1966 (16 U.S.C. 470f), as amended, and its implementing regulation found at 36 CFR Part 800.

Thank you for your 21 December 2010 letter addressing my requests for clarification of previously submitted documentation for the above referenced project. It is my understanding that DOE is proposing to construct a 126,000 square foot three-story computational research and theory facility that will require excavation for piers and utilities to a maximum of 30 feet below grade over the entire 2.25-acre project area.

The results of a records search and pedestrian survey did not identify the presence of any archeological resources within the project area, and according to results from a records search conducted at the Northwest Information Center, there is a low possibility of encountering subsurface resources during project activities. At this time, DOE is requesting my concurrence with their determination that this project as proposed will result in no historic properties affected. After reviewing the accompanying documentation, including tribal consultation, maps, photographs, and the following document: *Environmental Assessment for the Computational Research and Theory Facility Project* (September 2010), I concur with your finding of no historic properties affected. Please be advised that under certain circumstances, such as an unanticipated discovery or a change in project description, you may have future responsibilities for this undertaking under 36 CFR Part 800.

Thank you for seeking my comments and considering historic properties as part of your project planning. If you have any questions or concerns, please contact Ed Carroll of my staff at (916) 445-7006 or at email at [ecarroll@parks.ca.gov](mailto:ecarroll@parks.ca.gov).

Sincerely,

A handwritten signature in cursive script that reads "Susan K. Stratton for".

Milford Wayne Donaldson, FAIA  
State Historic Preservation Officer



Lawrence Berkeley National Laboratory  
Computational Research and Theory Facility  
Project Summary

**PROPOSED ACTION:**

This undertaking would include demolishing and relocating a portion of the Seaborg stairway that extends from Chu Road to the Building 50 parking lot at Lawrence Berkeley National Laboratory (LBNL).

The Seaborg stairway is an exterior wooden staircase spanning approximately 350 feet of steep hillside at LBNL. Its rustic construction consists of treated lumber joined with metal fasteners and set on piers on poured concrete footings. It has been repaired and modified several times throughout its lifetime, and was entirely replaced in 1999. It is not accessible to the general public as it is within LBNL's security perimeter.

**LOCATION OF ACTION:**

The stairway is located in the northwestern area of the Lab ("Blackberry Cluster"), and leads up from Chu Road to the Building 50 complex within the Lab's heavily developed "Research and Academic" zone as identified in the LBNL 2006 Long Range Development Plan.

**DISCUSSION:**

The DOE Berkeley Site Office (BSO) has determined that the subject stairway is not eligible for inclusion in the National Register of Historic Places based on application of the Criteria for Evaluation identified in the National Historic Preservation Act (NHPA). These Criteria help to establish whether a particular resource is associated with an important historic context and/or whether it retains historic integrity of those physical features necessary to convey its significance. Although the stairway is named after a Nobel Laureate, Glen Seaborg, there is no known specific association between Dr Seaborg and the stairway. The Criteria are as follows:

- A facility under consideration must possess integrity of location, design, setting, materials, workmanship, feeling, and association, and
- A) be associated with events significant to broad patterns of our history; or
- B) be associated with the lives of people significant to our past; or
- C) embody distinctive physical characteristics associated with history or architecture; or
- D) yield (or be likely to yield) information important to history or pre-history. The stairway was entirely reconstructed in 1999, but it has been maintained and modified in several decades preceding that. The stairway is unremarkable from an architectural standpoint. Accordingly, it does not meet Criteria A, B, C, or D.

**DETERMINATION:**

The DOE Berkeley Site Office (BSO) has determined that the stairway is not eligible for inclusion in the National Register of Historic Places. Further, and in accordance with 36 CFR

Part 800.3(a)(1), BSO determines that the demolition and relocation of a portion of the stairway does not have the potential to cause effects on historic properties; therefore, the DOE has no further obligations under section 106 or 36 CFR Part 800.3.



Kim Abbott  
Berkeley Site Office  
Environmental Program Manager

8/11/2010