



BERKELEY LAB

LAWRENCE BERKELEY NATIONAL LABORATORY

Community Advisory Group

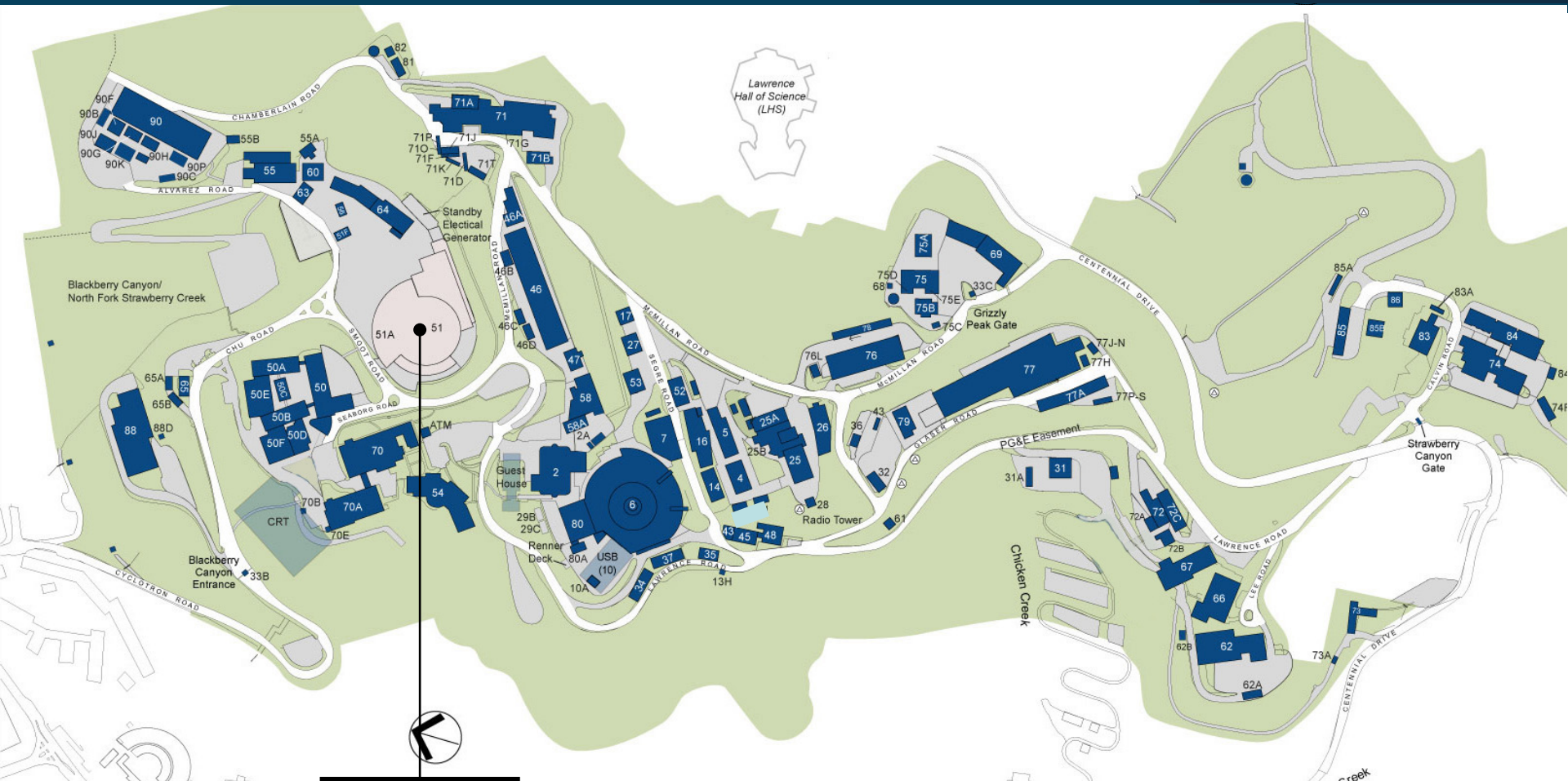
Design and Construction Update

12 July 2012



BERKELEY LAB

LAWRENCE BERKELEY NATIONAL LABORATORY



**Bevatron
Demolition**

Project Complete

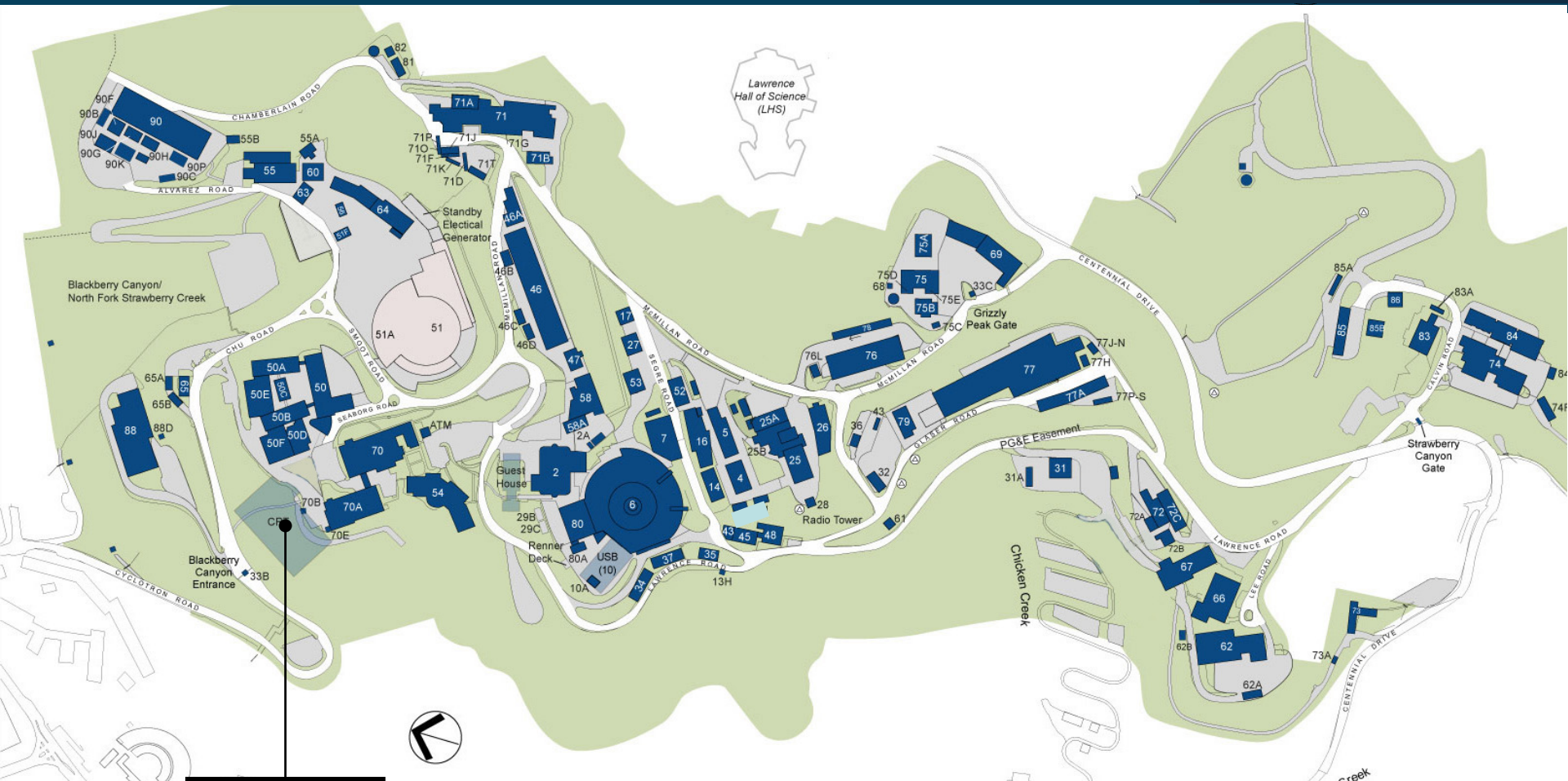


Project Complete February 2012



BERKELEY LAB

LAWRENCE BERKELEY NATIONAL LABORATORY



CRT Facility
In Construction

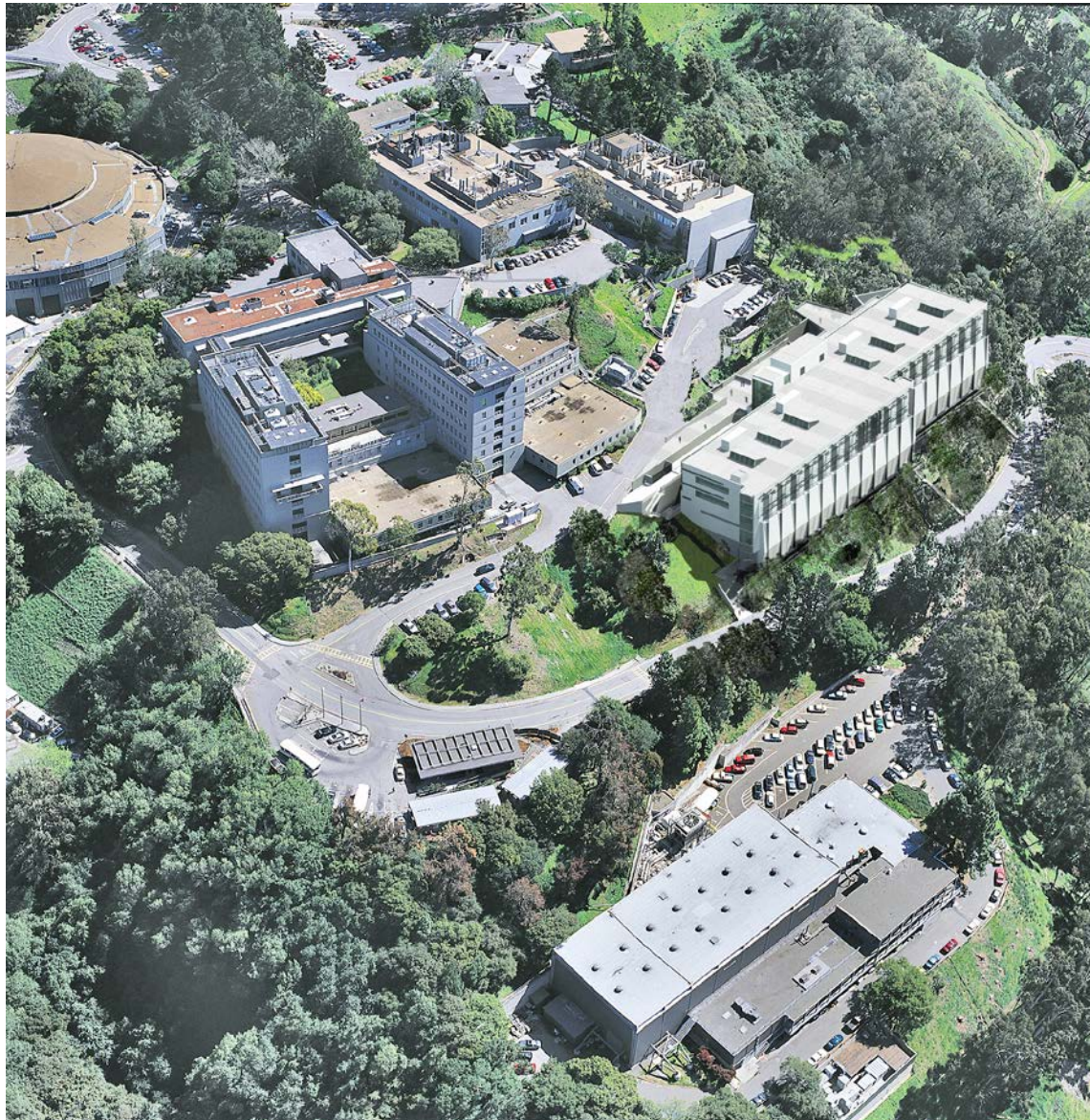


BERKELEY LAB

LAWRENCE BERKELEY NATIONAL LABORATORY



U.S. DEPARTMENT OF
ENERGY





BERKELEY LAB

LAWRENCE BERKELEY NATIONAL LABORATORY





BERKELEY LAB

LAWRENCE BERKELEY NATIONAL LABORATORY

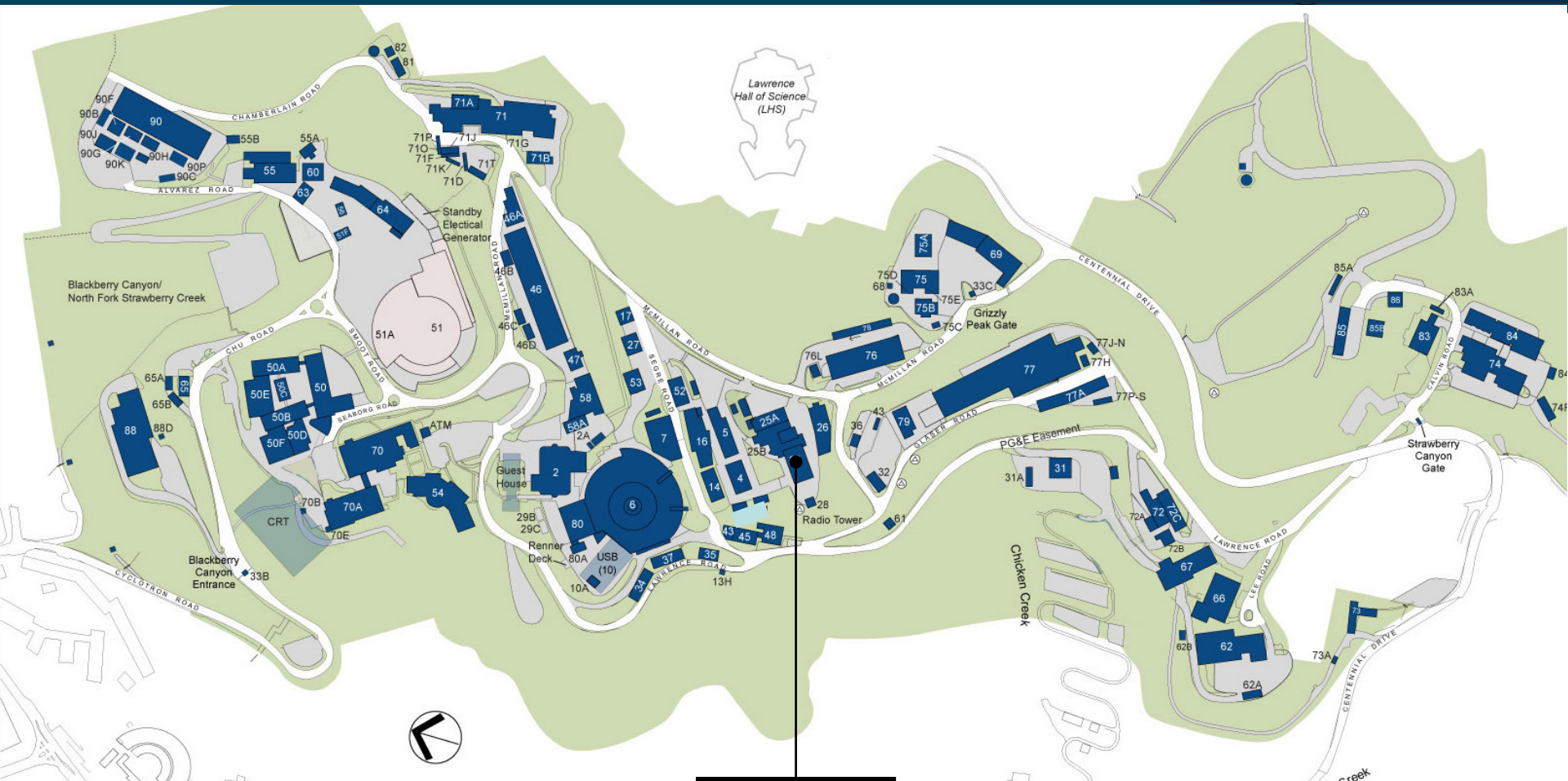


Current Activities



BERKELEY LAB

LAWRENCE BERKELEY NATIONAL LABORATORY



Including GPL, Bldg 74 scope,
Bldg 85 scope & demolitions

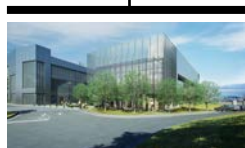
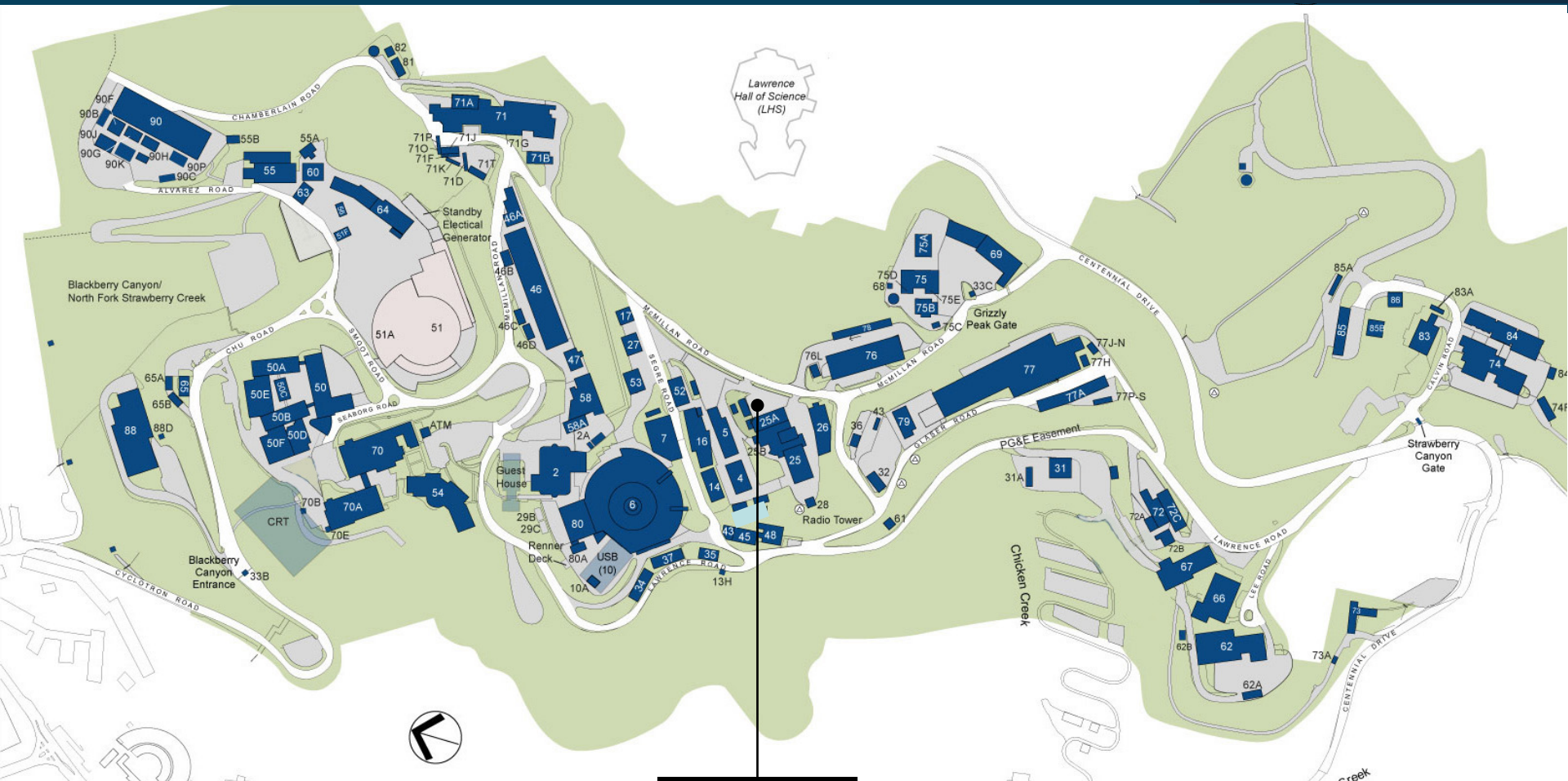
Seismic Phase 2

In Construction



BERKELEY LAB

LAWRENCE BERKELEY NATIONAL LABORATORY

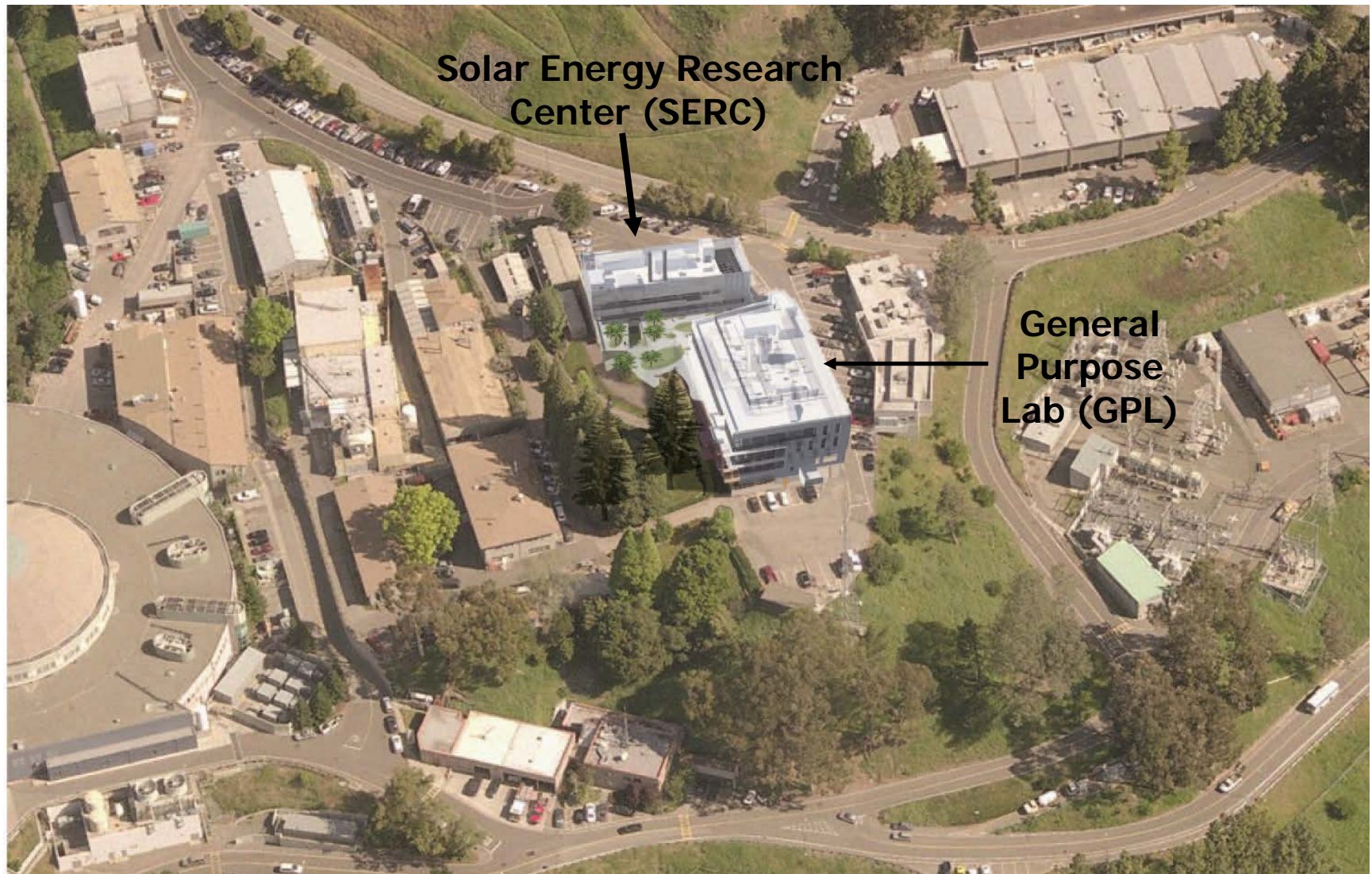


SERC
Bidding



BERKELEY LAB

LAWRENCE BERKELEY NATIONAL LABORATORY





BERKELEY LAB

LAWRENCE BERKELEY NATIONAL LABORATORY



SP2 - General Purpose Laboratory



BERKELEY LAB
LAWRENCE BERKELEY NATIONAL LABORATORY



Solar Energy Research Center

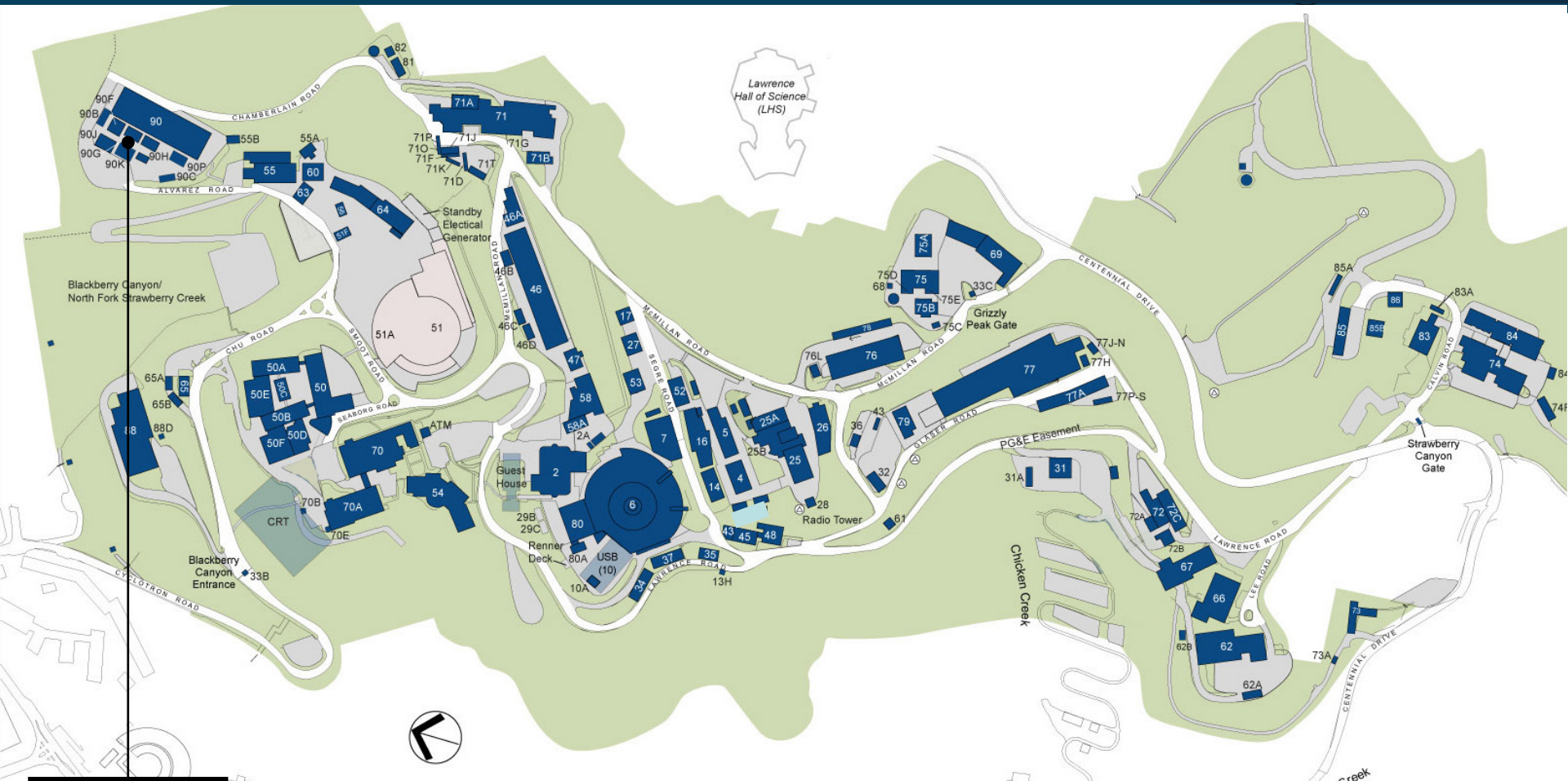


Current Activities



BERKELEY LAB

LAWRENCE BERKELEY NATIONAL LABORATORY

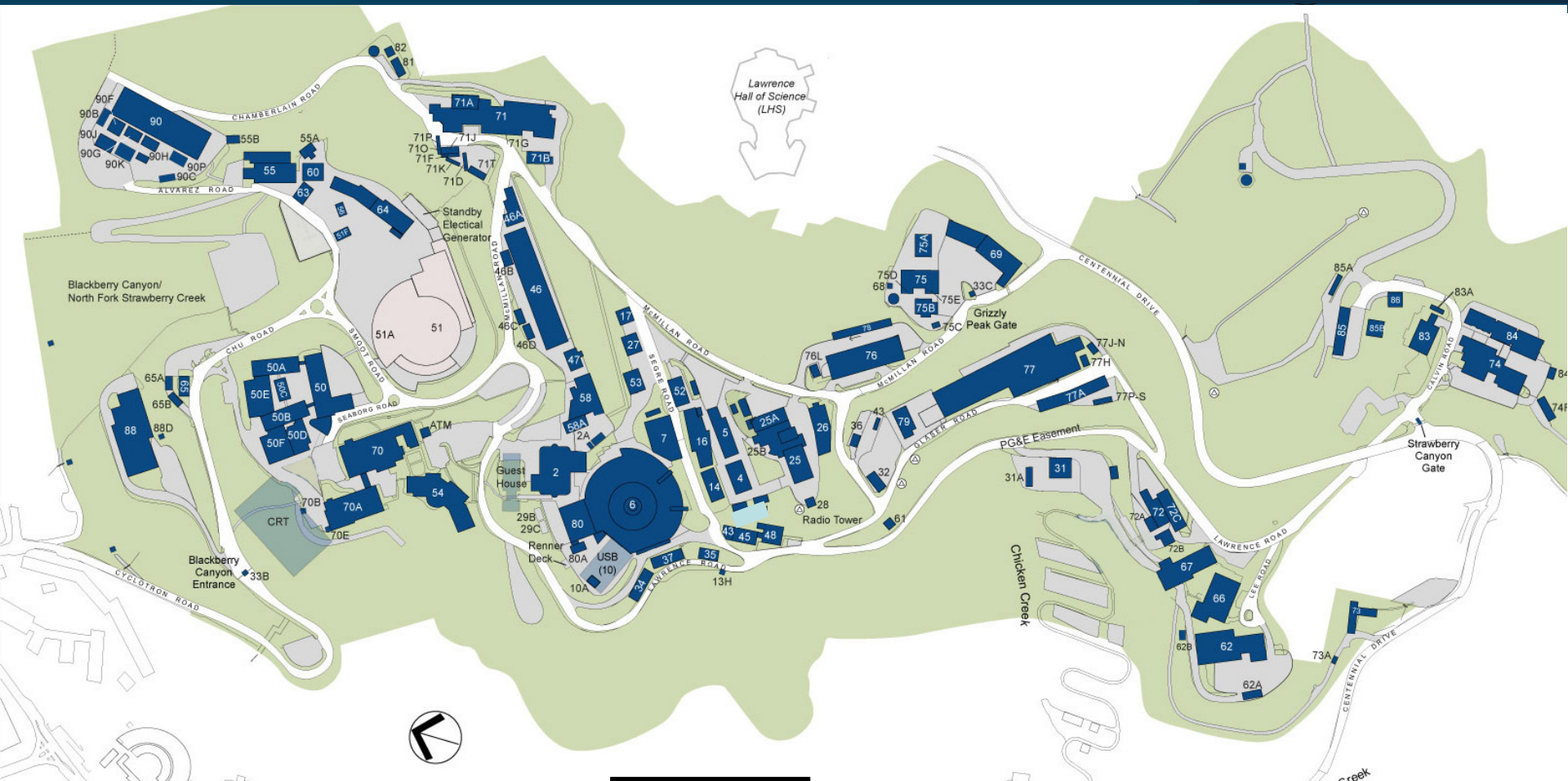


**User Test Bed
Facility**
Bidding



BERKELEY LAB

LAWRENCE BERKELEY NATIONAL LABORATORY



Including GPL 2, Bldg 54 scope,
Bldg 26 scope & demolitions

Seismic Phase 3

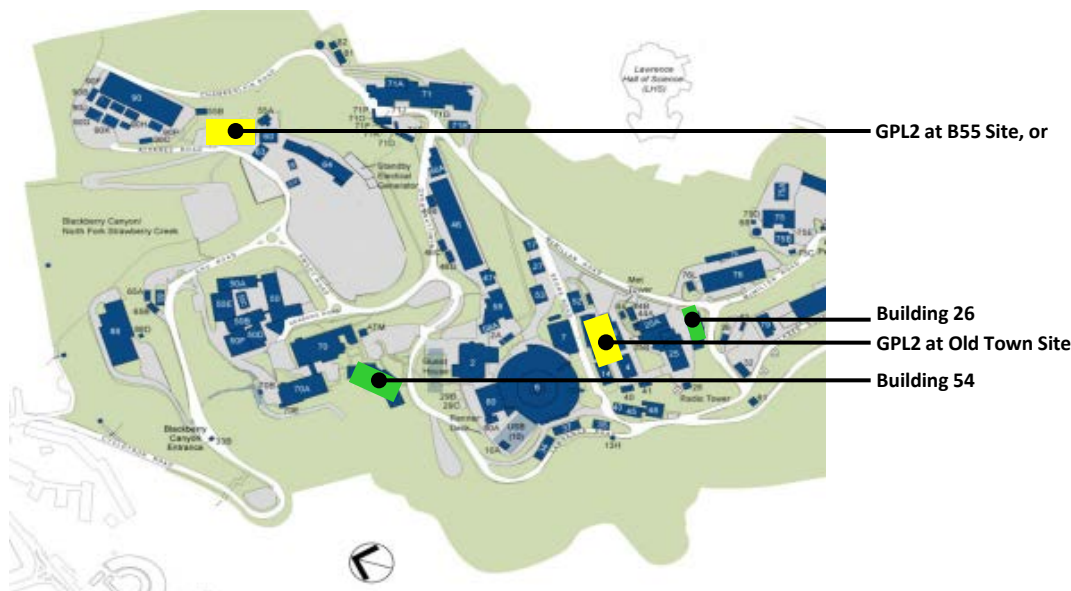
Concept Design ~2013



SCHEDULE	FY12				FY13				FY14				FY15				FY16				FY17				FY18			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1 Siting Studies/CD-0																												
2 CDR/CD-1																												
3 Preliminary Design/CD-2																												
4 Final Design/CD-3																												
5 B54 Construction																												
6 GPL2 Construction																												
7 Commissioning																												
8 Contingency																												

SCOPE

- General Purpose Lab 2
 - Provide seismically safe modern research space
 - Ultrafast X-ray Science Labs plus other general labs
 - 35,000-50,000 GSF
 - 50/50 lab/office split
 - LEED Platinum (goal)
 - Upgrade or Replace seismically poor Building 54
 - Conference/Food Services
 - 15,000-20,000 GSF
 - Upgrade or replace seismically poor Building 26
 - Health Services
 - 5,000-15,000 GSF
 - Correct deficiencies and modernize, or
 - Combine existing program into a larger Building 54
 - Demolition by other projects
- COST RANGE**
- \$87M - 93M





WORST CASE SCENARIO (Highest Daily) OF TRUCK TRIPS (ROUNDTRIPS) BY PROJECT BY MONTH

Project Name	Project Manager	Date Updated	2012												2013											
			J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
B45 Firehouse Project	Dennis Neilsen	6/20/2012				4	4	4	6	6	6	3	4	3	3	1	1									
User Test Bed Facilities	George Sanen	6/20/2012					2	2	2	4	4	5	5	5	5	5	5	5	5	3	3					
Solar Energy Reasearch Center	Sheree Swanson	6/20/2012												8	40	40	40	25	10	10	10	8	6	6	6	4
CRT Building	Henry Martinez	6/20/2012	5	5	5	5	5	25	50	50	50	40	40	10	15	15	15	15	15	15	15	12	12	15	12	8
Bevatron Parking	Ted Mankowski	6/20/2012			30	30	10																			
Old Town (contingent on funding)	Ted Mankowski	6/20/2012																					5	6	5	
Seismic Upgrades Ph 2		6/20/2012																								
	Bldg 74Tim Galvin	6/20/2012	8	8	6	2	2	2	2																	
	General Purpose LabJack Heffernan	6/20/2012	8	8	6	8	10	12	12	12	12	7	7	7	7	7	5	5	5	5	5	5	5	3		
Bldg 85 Slide		6/20/2012						4	4	4	4	3	3	3	3	3										
TOTAL DAILY AVERAGE			21	21	47	49	33	49	76	76	76	58	59	36	73	71	66	50	35	35	33	28	23	29	24	17

Note:

Mont
hly
totals
show
n in

Yellow

are months between the ave. daily limit of 87 and peak daily limit of 96 roundtrips

Mont
hly
totals
show
n in

Red

are months that exceed the peak daily limit of 96 roundtrips

Source: LBNL