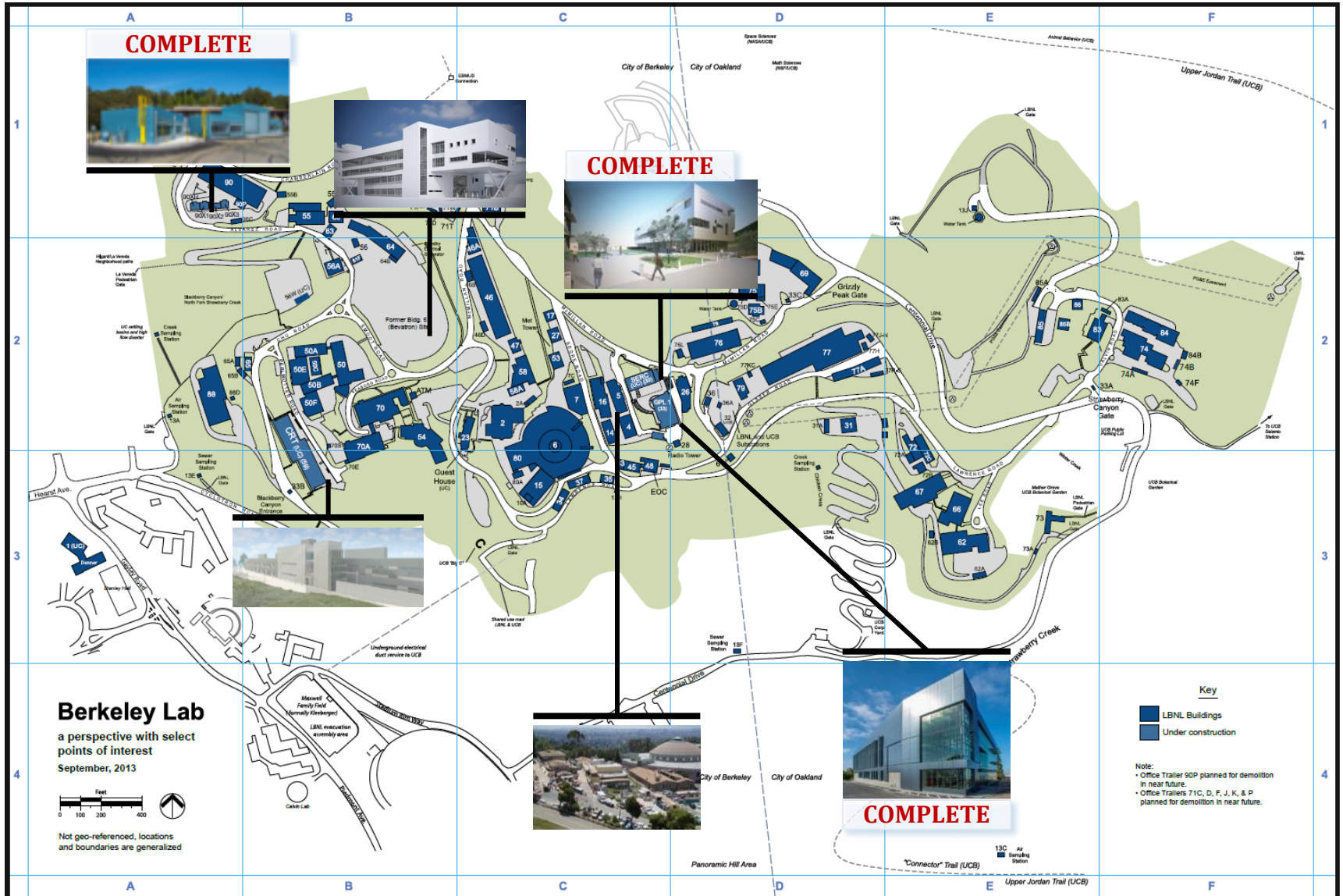






Lawrence Berkeley National Lab Update on the Integrative Genomics Building (IGB)

Presentation to Community Advisory Group

March 9, 2015

Topics - IGB



- Update since last CAG presentation
- Next Steps
- Presentations for exterior material options
- Review of environmental analysis
- CAG Input and Q&A

IGB Siting Selection



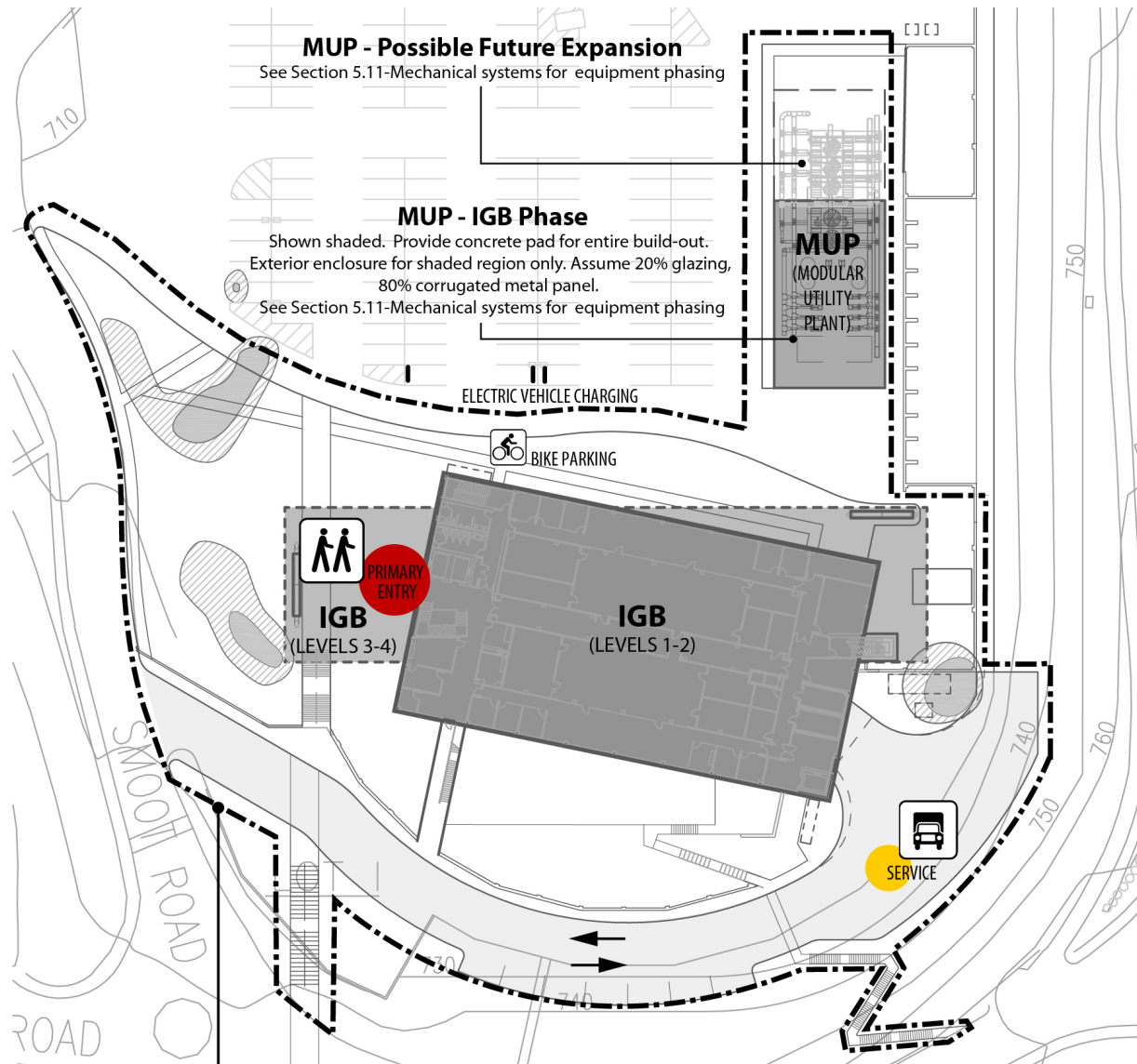
- In the CAG Meeting in July 2014
 - Confirmed Bevatron Site
 - Presented 50% Conceptual Design
 - Presented Initial Exterior Material Ideas
 - Presented Initial Results from Environmental Analysis
 - Gathered CAG Input on above

IGB – Conceptual Design



- Initial Summary Program Requirements
 - ~77,000 Gross Square Feet (GSF) Plus Separate Utility Plant (~ 3,800 GSF)
 - Population 333
 - Includes Labs, Offices, Computational suites
 - Targeting LEED Gold Certification (LEED v4)

IGB – Conceptual Design, Site Plan

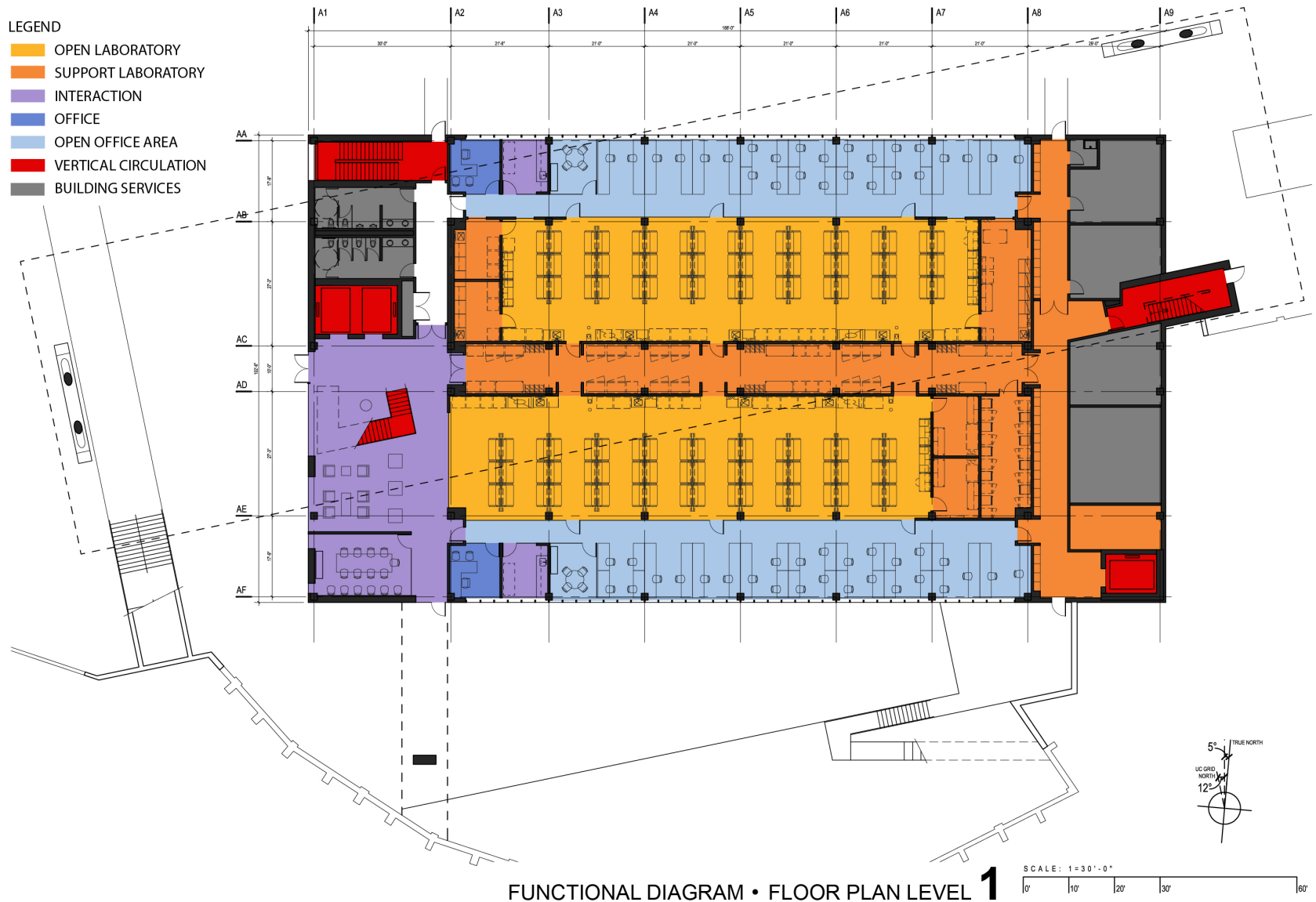


Conceptual Design

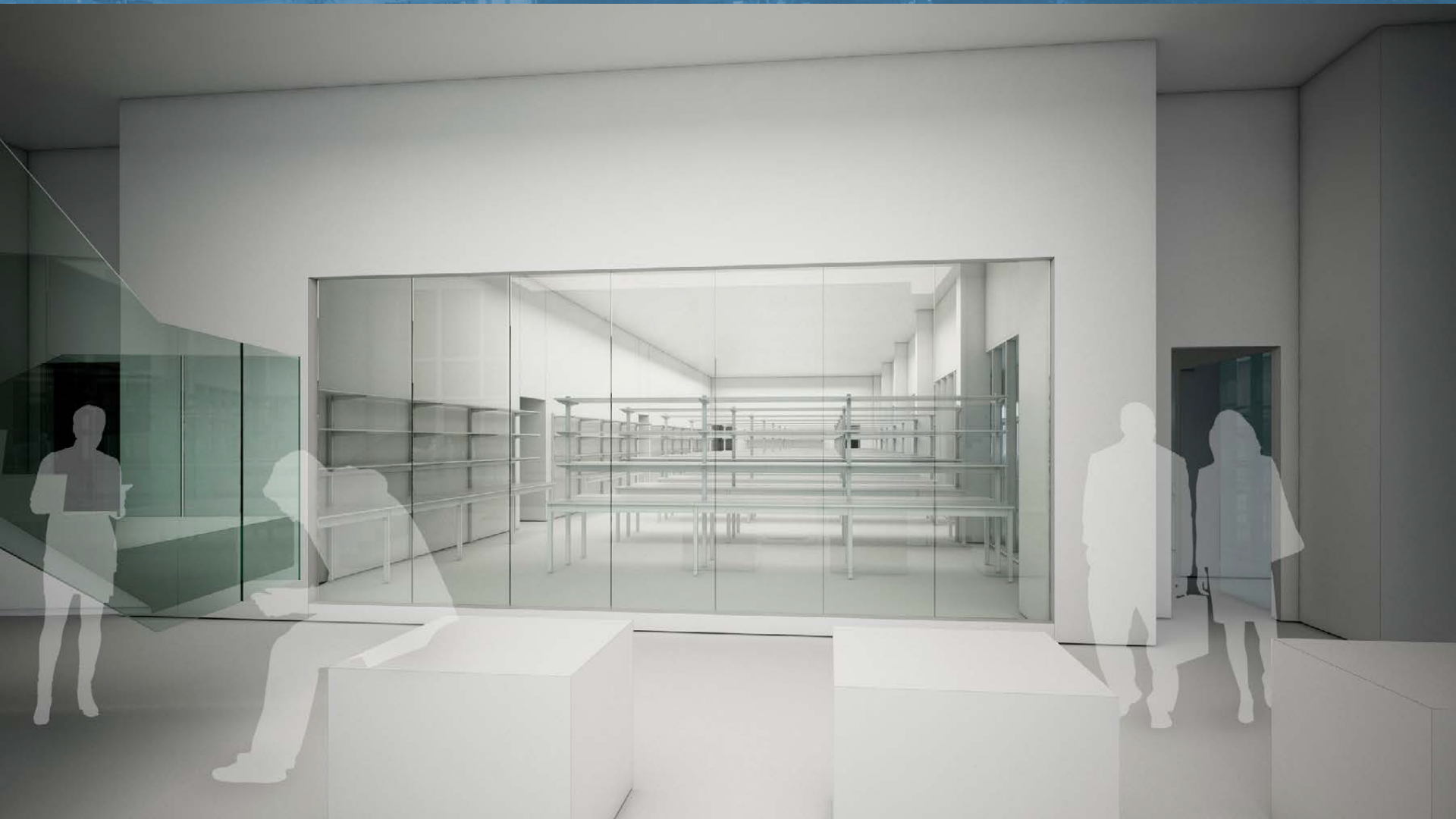


LEGEND

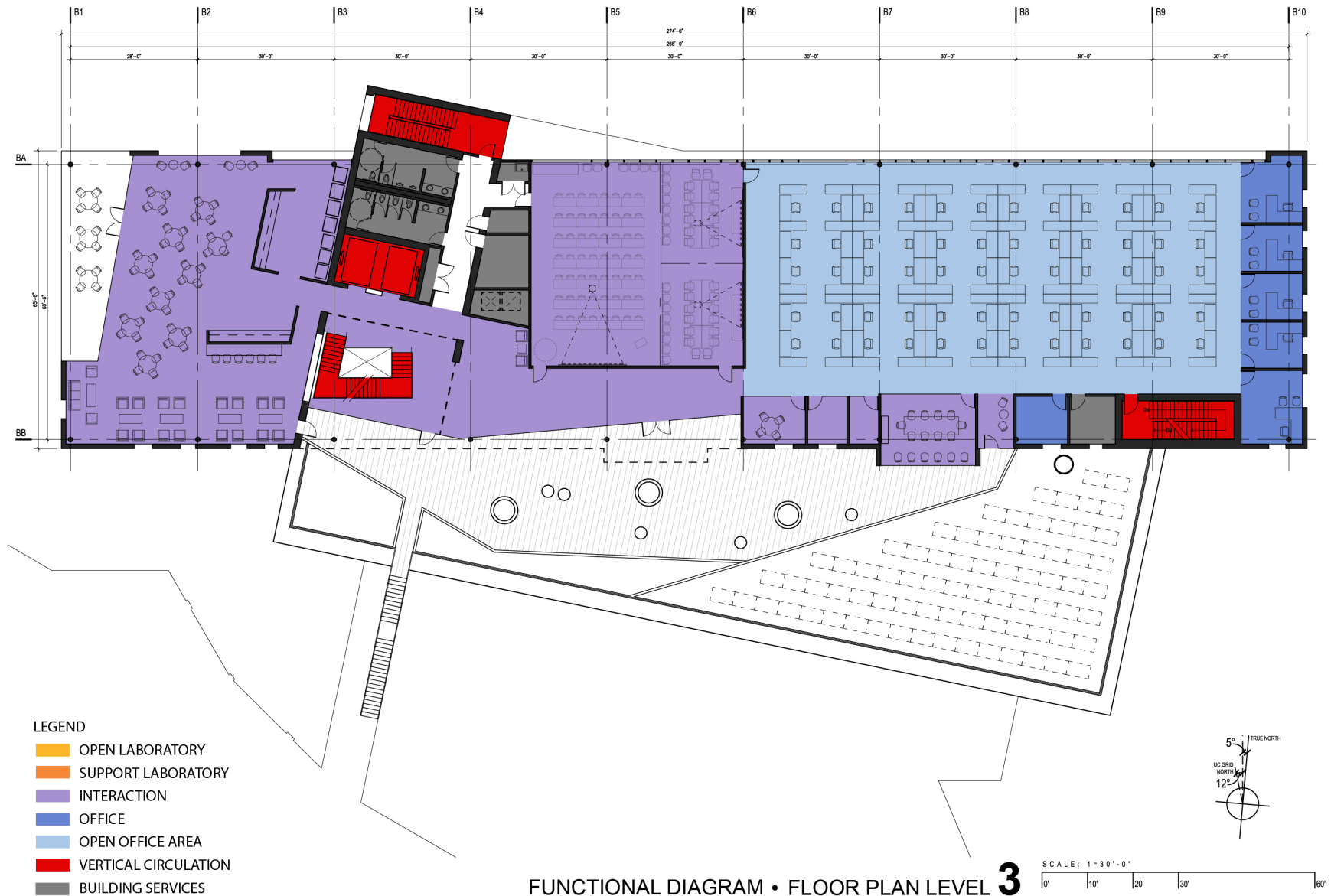
- OPEN LABORATORY
- SUPPORT LABORATORY
- INTERACTION
- OFFICE
- OPEN OFFICE AREA
- VERTICAL CIRCULATION
- BUILDING SERVICES



Conceptual Design



IGB Showcase View into Sequencing Technologies



IGB – Next Steps



- Environmental
 - Issue analysis for public comment
 - Review comments and prepare responses
- Design
 - Prepare Graphics package
- Present environmental analysis and design package to Regents (targeting May meeting)
- Prepare the schematic design

IGB – Next Steps (cont.)

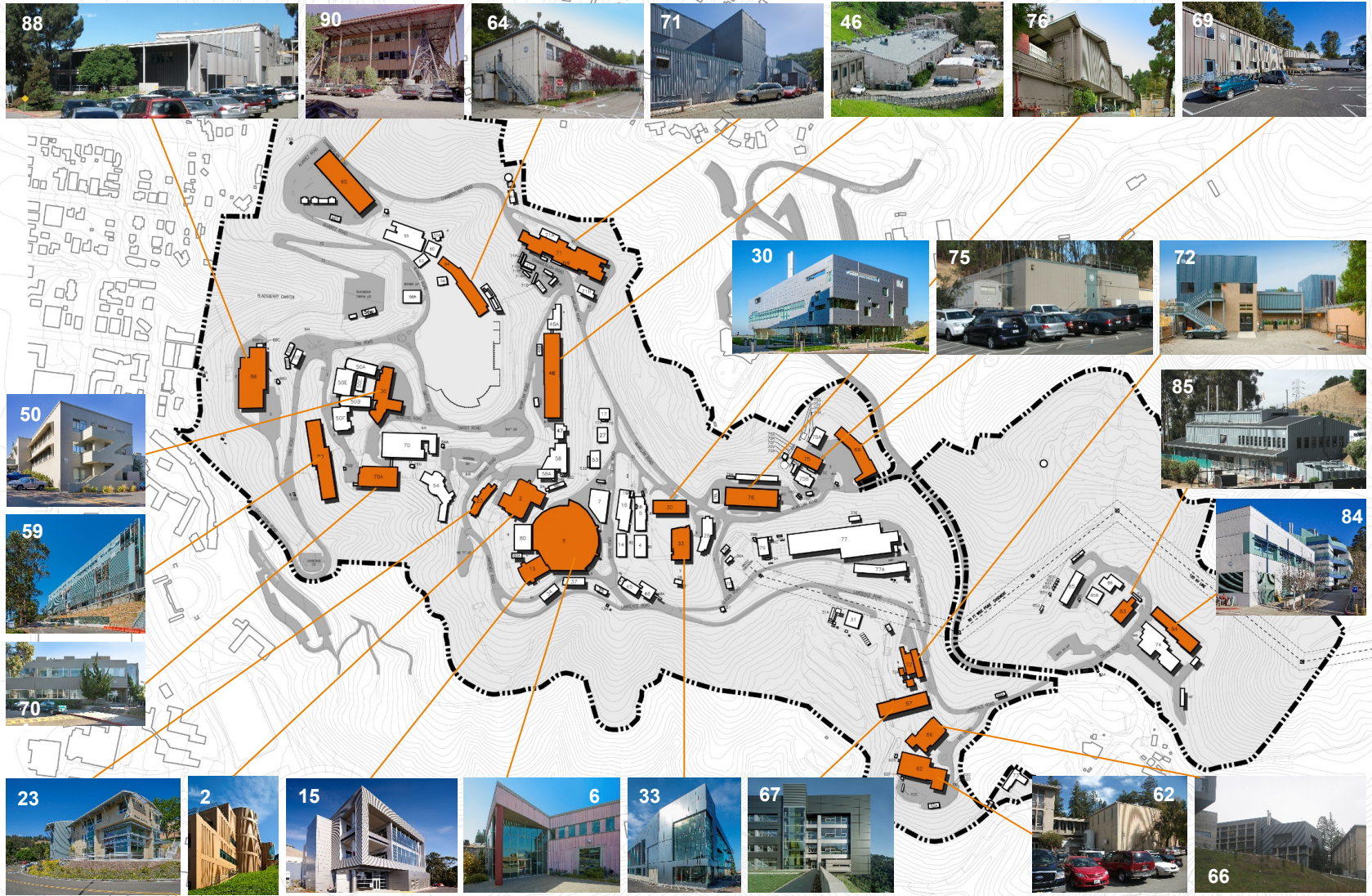


- Present schematic design to DOE next Fall
- Complete all design efforts March 2016
- Start Construction Summer 2016
- Minimum 30 months of construction
- IGB Construction Complete ~ Spring 2019

- Q&A on Update and Next Steps

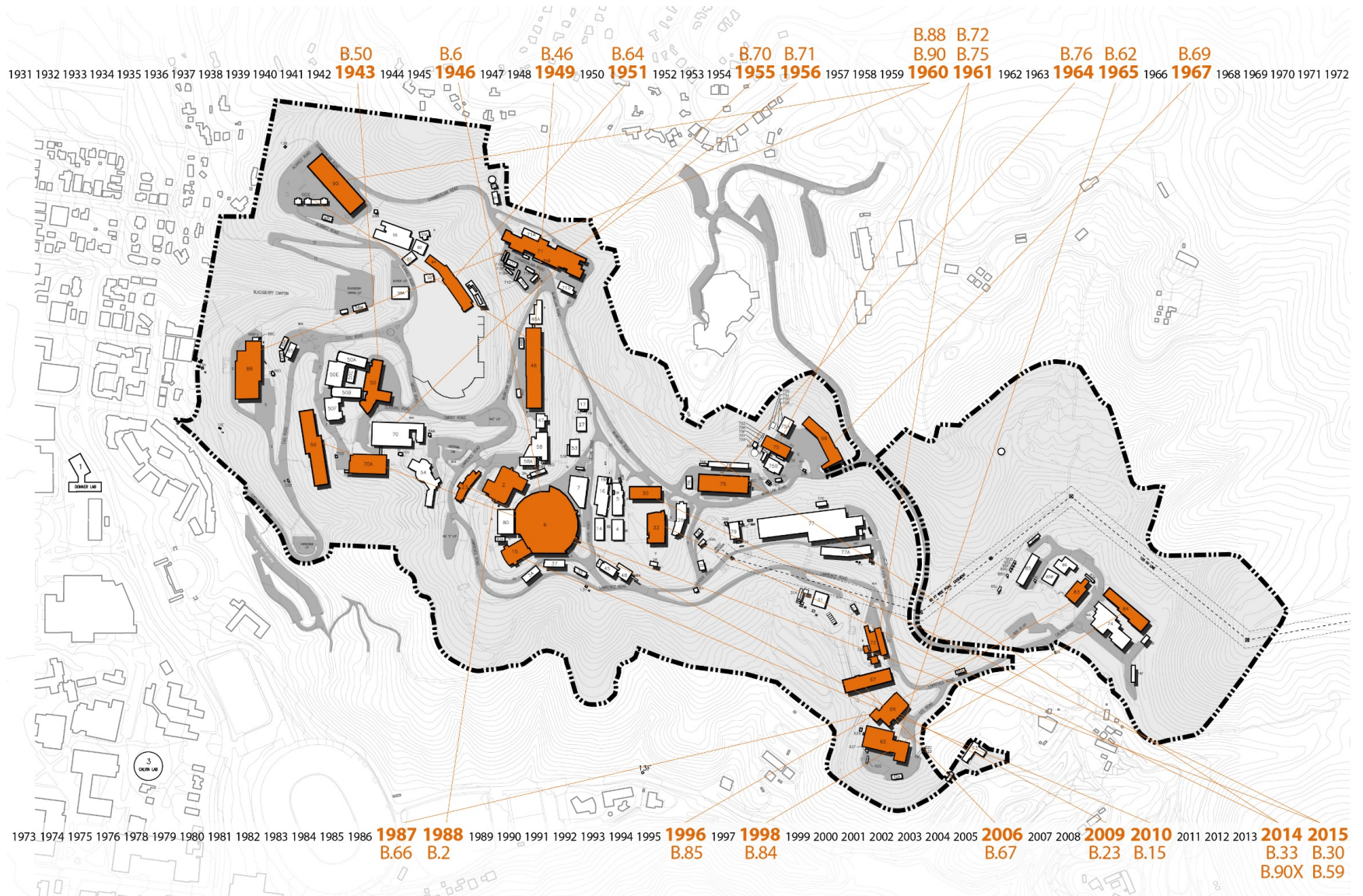
Campus Context

EXISTING BUILDING SURVEY



Campus Context

CHRONOLOGY



Campus Context

CHRONOLOGY



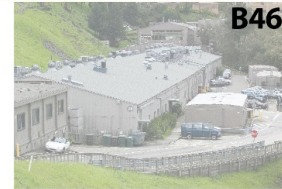
1931



1943
B50



1946
B6



1949
B46



1951
B64

1955
B70



1956
B71



1960
B88



1960
B90



1961
B72



1964
B76



1965
B66



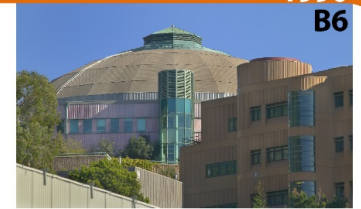
1987
B62



1988
B2



1990
B6



1996
B85



1998
B84



2006
B67



2009
B23



2010
B15



2014
B33



2014
B90X



2015
B30



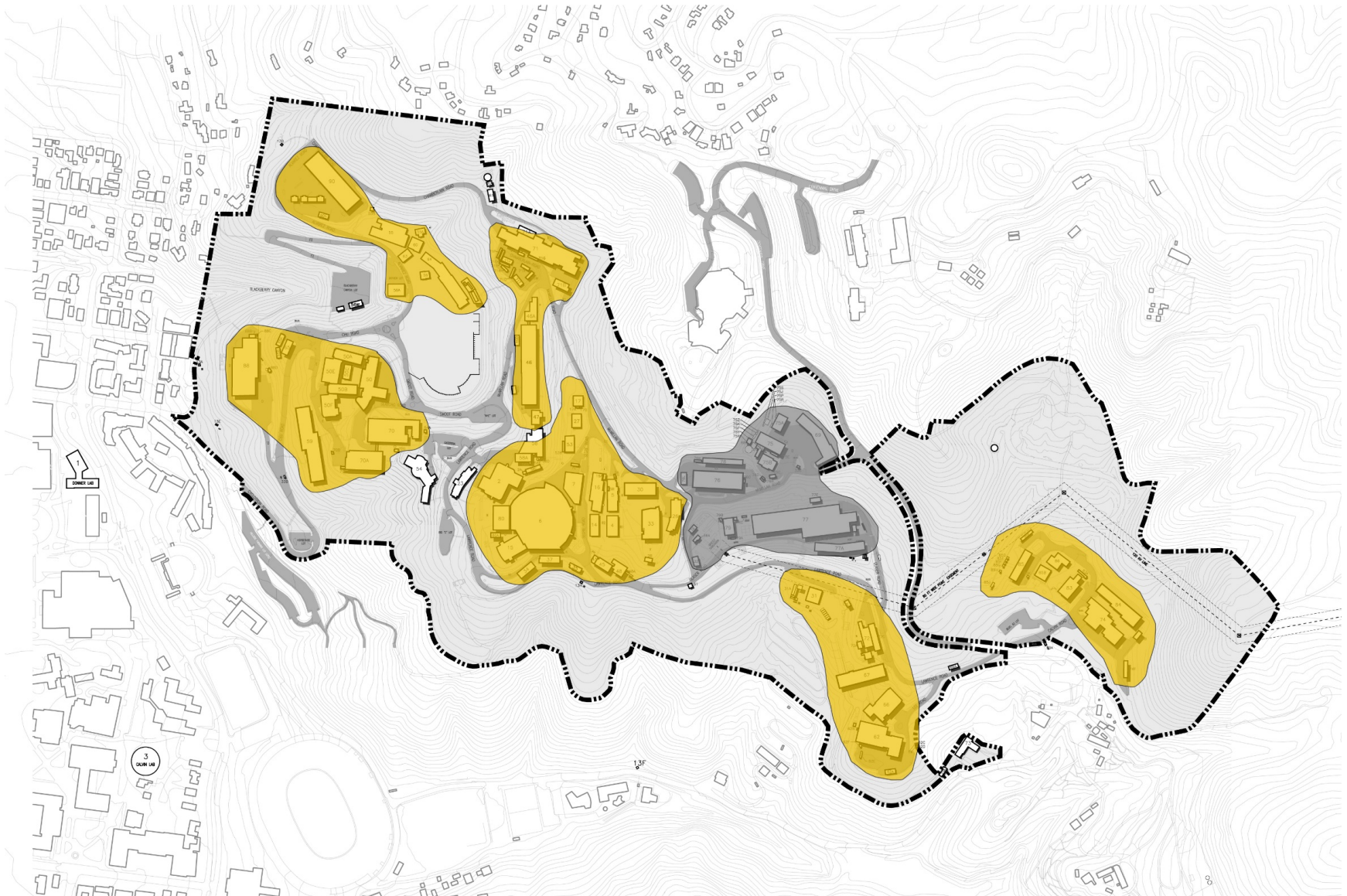
2015
B59



FUTURE

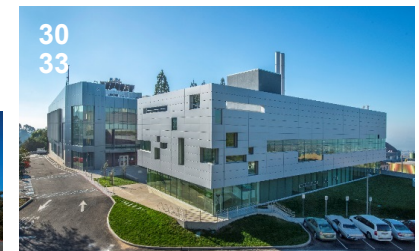
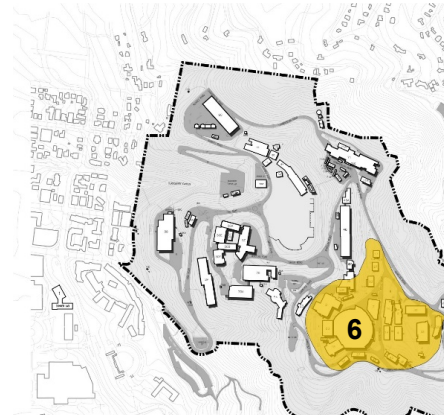
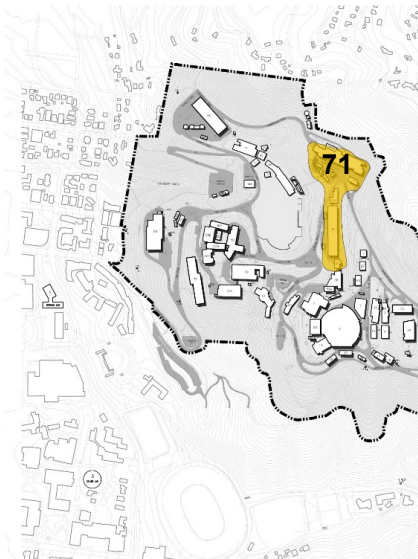
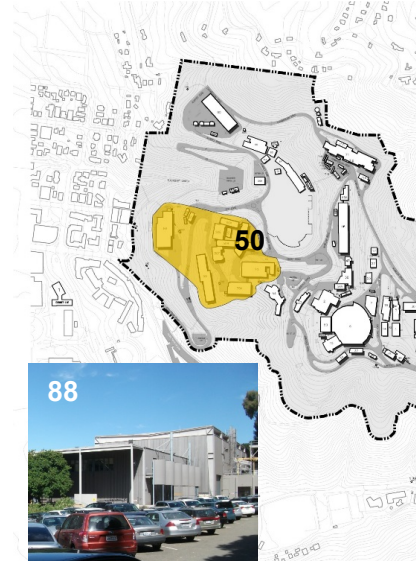
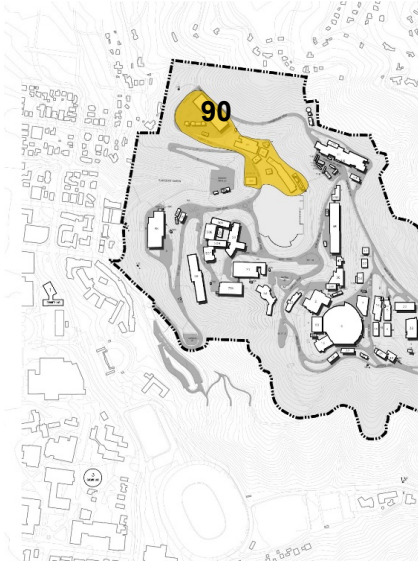
Campus Context

LRDP SCIENTIFIC CLUSTERS



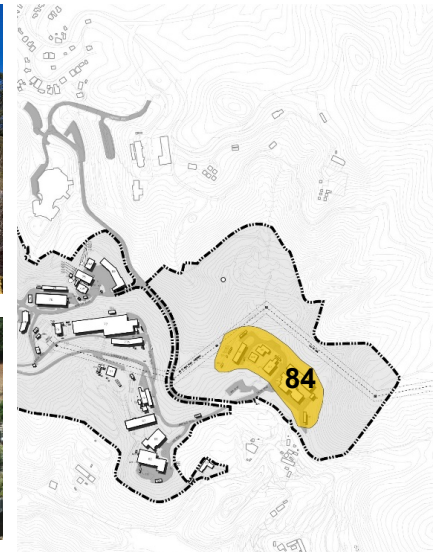
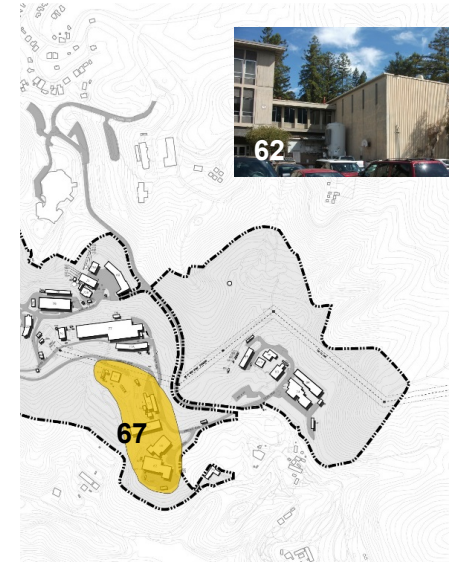
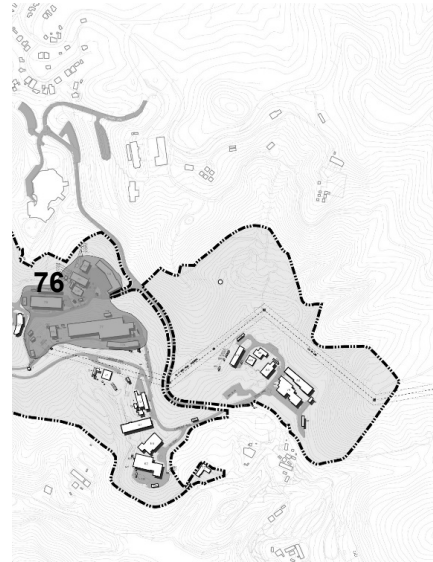
Campus Context

LRDP SCIENTIFIC CLUSTERS



Campus Context

LRDP SCIENTIFIC CLUSTERS



Campus Context

LRDP SCIENTIFIC CLUSTERS



Campus Context

BUILDING TEXTURES



TEXTURED SURFACE

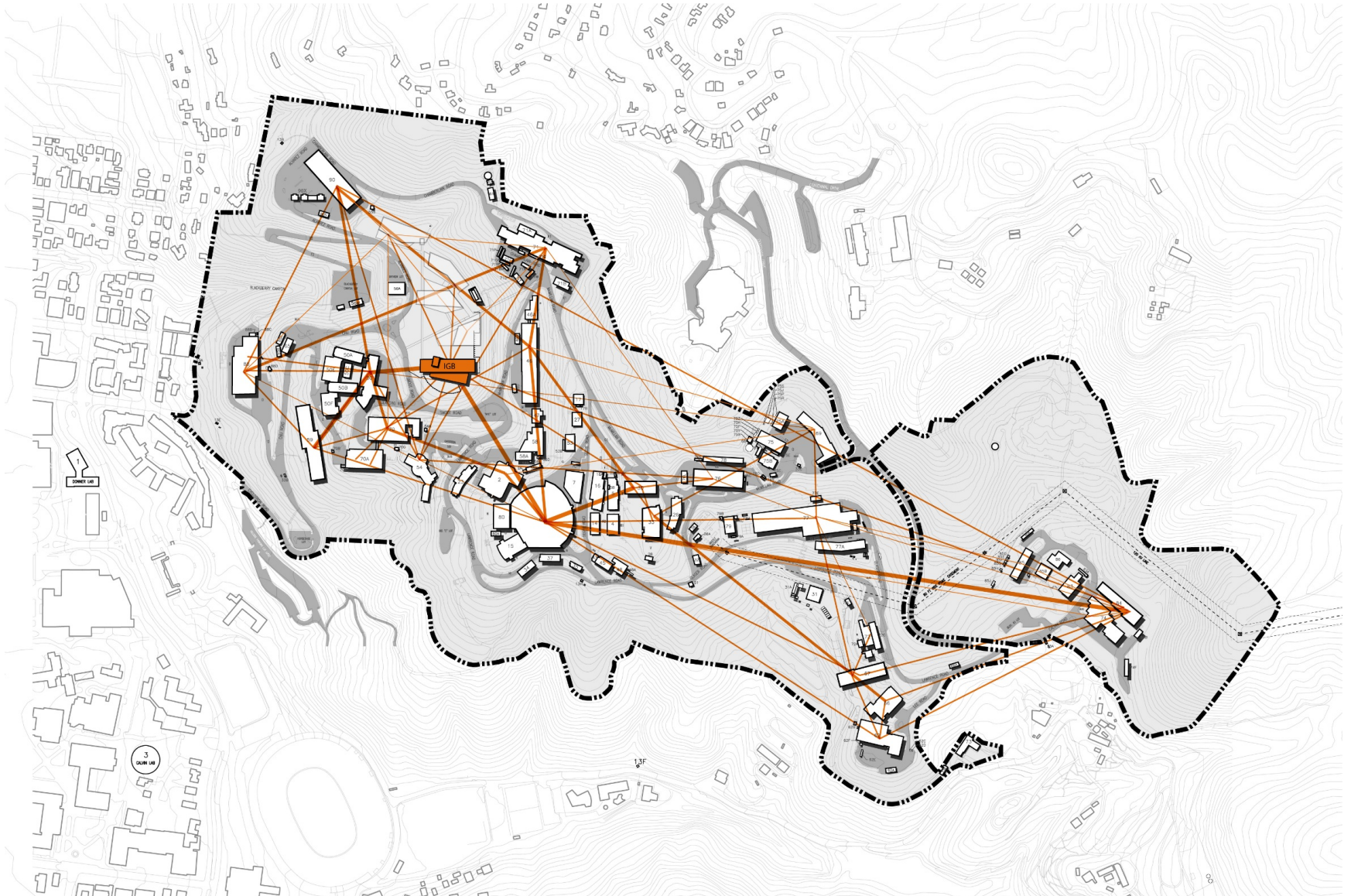


SMOOTH SURFACE



Campus Context

INTEGRATE CAMPUS FABRIC



Exterior Material STUDIES



Exterior Material STUDIES



BUILDING 72 - NCEM



BUILDING 59 - CRT



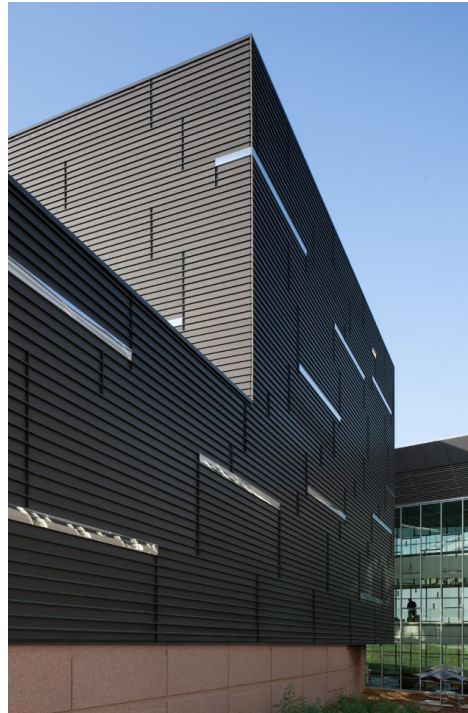
BUILDING 30 - SERC

EXAMPLES LABORATORY

Exterior Material STUDIES



UCSF - CVRB



NREL - ESIF



UCB - EBB

EXAMPLES OFF CAMPUS

Exterior Material STUDIES



OPTION **A** NORTHWEST

Exterior Material STUDIES



OPTION **B** NORTHWEST

Exterior Material STUDIES



OPTION **A&B** SOUTHWEST

Exterior Material STUDIES



OPTION **A&B** DETAIL

Exterior Material STUDIES



OPTION **C** NORTHWEST



Exterior Material STUDIES



OPTION **C** DETAIL

Exterior Material STUDIES





Thank You

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