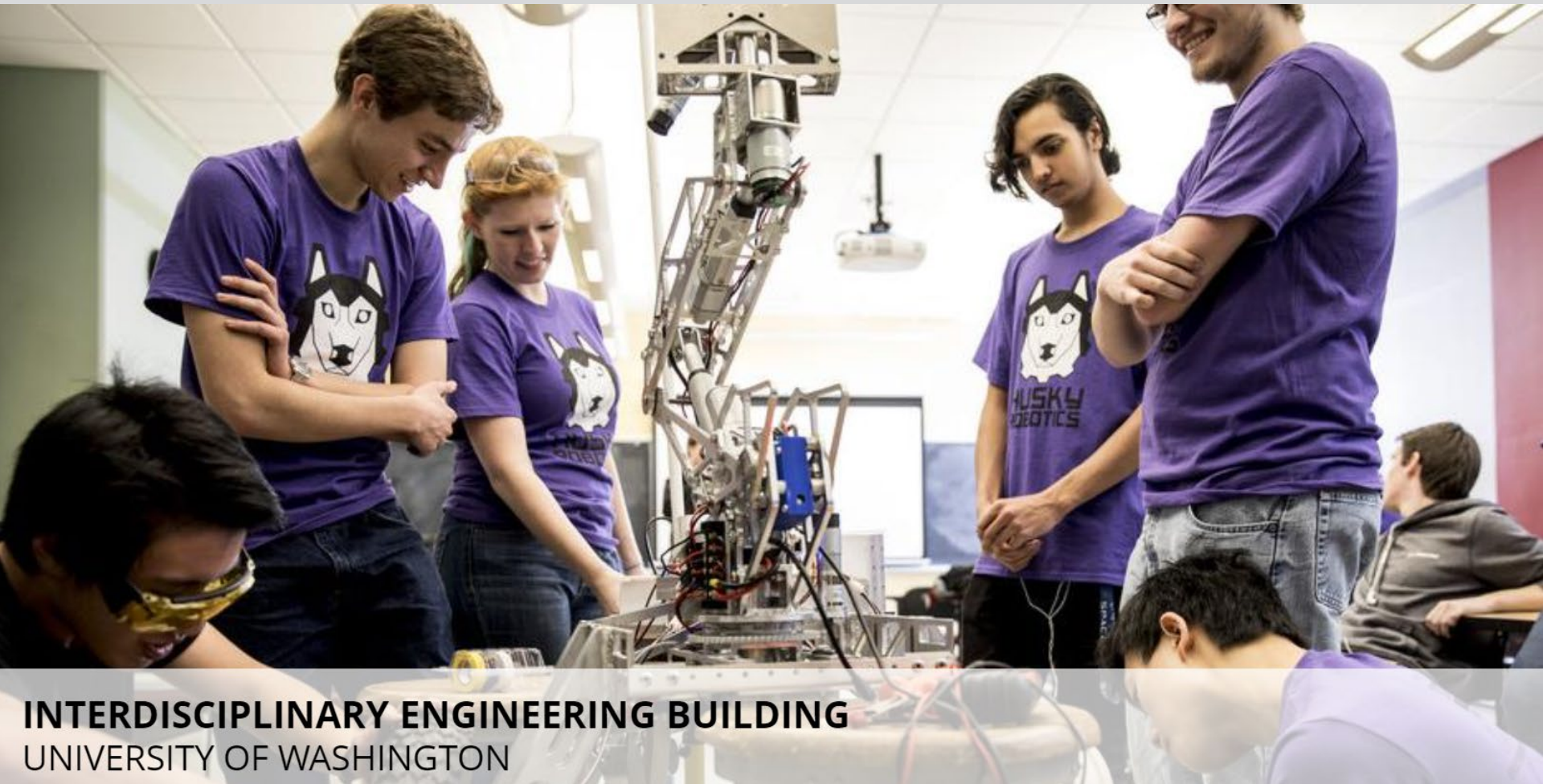


College of Engineering



INTERDISCIPLINARY ENGINEERING BUILDING
UNIVERSITY OF WASHINGTON

Hensel Phelps + Kieran Timberlake Architects



Goals & Objectives

- > Provide an **educational experience** that prepares undergraduate students to be leaders.
- > Increase **diversity and access** to foster excellence.
- > Accommodate the almost **200% growth** of undergraduate students over the last 12 years.
- > Build **interdisciplinary collaborations** that inspire innovation.
- > Create **industry partnerships** to increase impact.
- > Focus on **key global challenges** where they achieve greatest impact and excellence.



Project Overview

- > **75,000 GSF** interdisciplinary engineering facility
- > **\$75,070,000** project cost
- > **83% degree production growth** since 2009



Project Program

- > Alleviate existing space deficits within the College of Engineering
- > Provide student services and serve as a “home base” for freshman & sophomore students
- > Provide space for collaborative, project-based learning, balanced with research and faculty offices
- > Example program: senior capstone projects, which are designed to holistically combine theory, practice, and design while pairing students with local companies, opening doors for employment and strengthening connections between the UW and industry.



College of Engineering Priorities

(12 departments x 3 top priorities = !)

Mechanical Engineering

Electrical & Computer Engineering

Computer Science & Engineering

Chemical Engineering

Information Science Engineering

Aeronautics & Astronautics

Bioengineering

Civil & Environmental Engineering

Human Centered Design & Engineering

Industrial & Systems Engineering

Materials Science & Engineering

Bioresource Science & Engineering

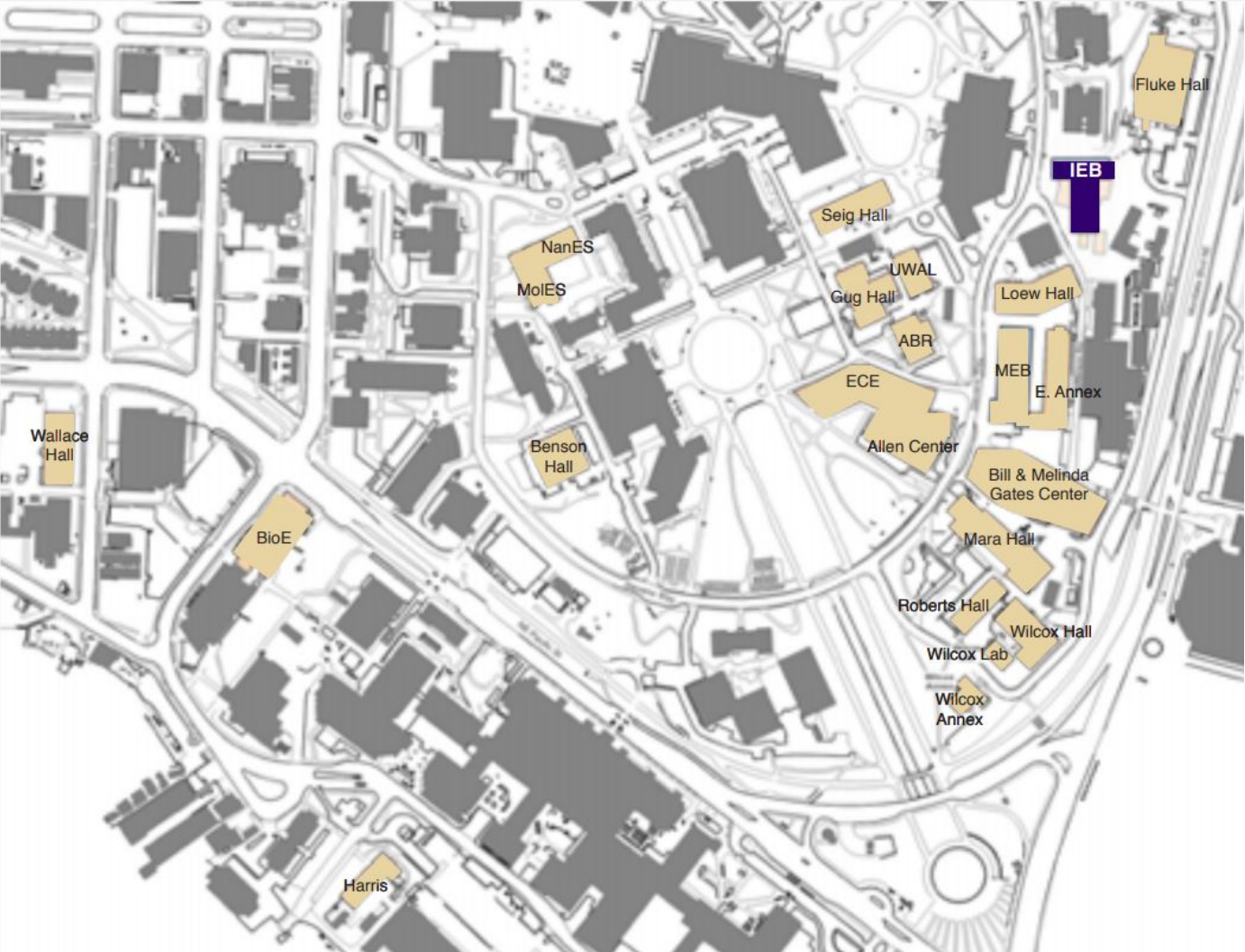


Timeline

- > **Pre-Planning** January 2019 – May 2020
- > **DB Team Selection** July 2020 – December 2020
- > **Project Definition** December 2020 – May 2021
- > **Design & Preconstruction** July 2021 – April 2022
- > **Construction** January 2022 – April 2024
- > **Occupancy** April 2024



Engineering Presence on Campus



Site Selected – C11

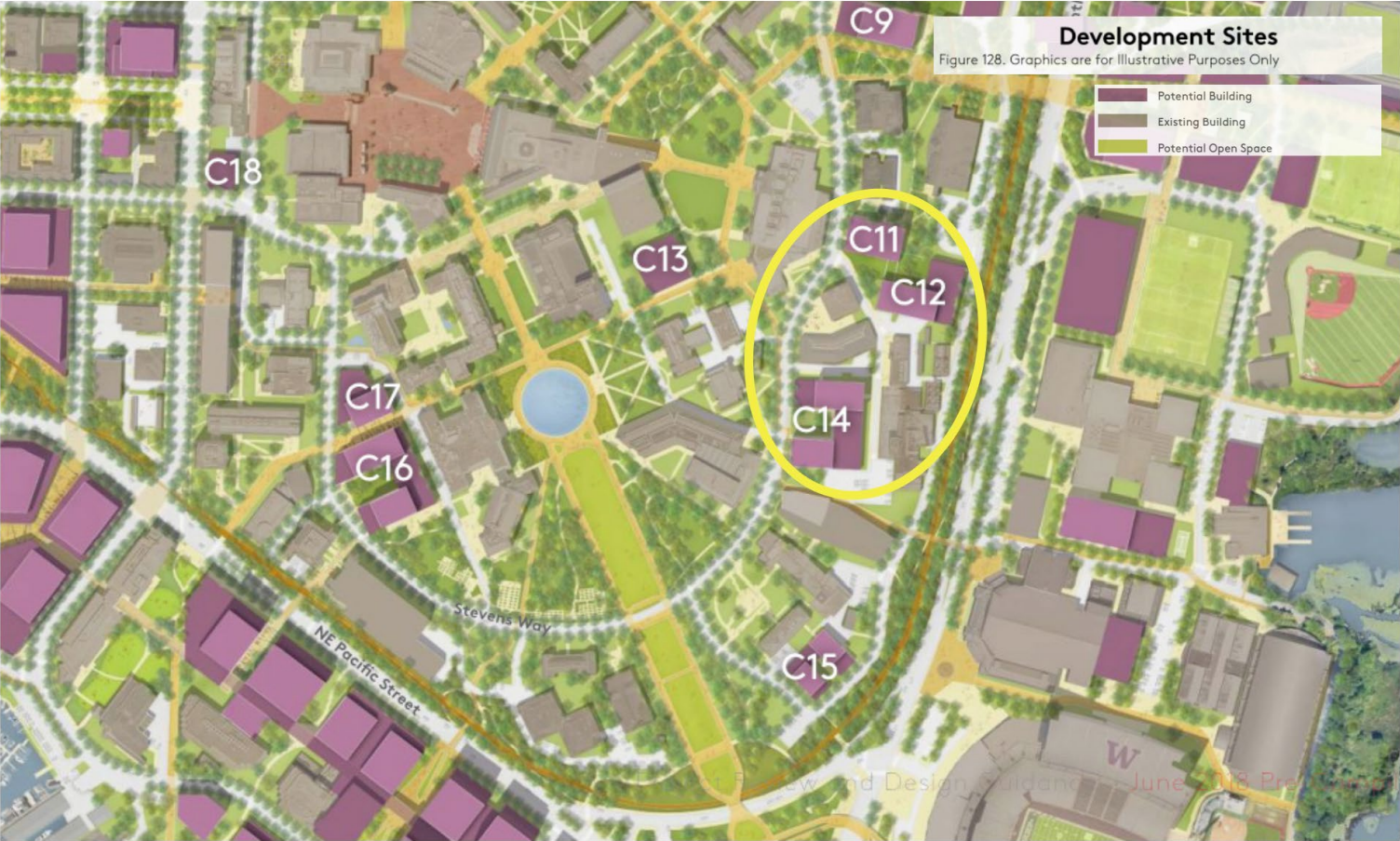
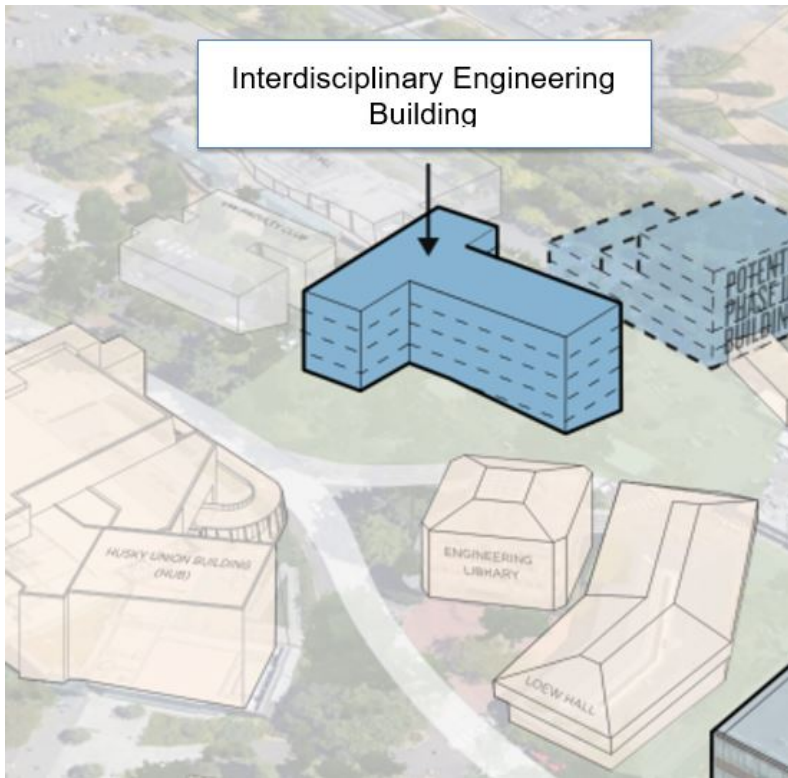


Figure 2F - CMP development sites identified on UW Campus, 2018 Campus Master Plan



Preferred Site – Site C11 on Stevens Way



- Close proximity to core college facilities and undergraduate life in the heart of the College of Engineering precinct
- Accommodates up to 85k gsf
- Links disparate CoE campus district activities with accessible pedestrian connections and outdoor gathering areas
- Challenges include significant topographic change and constrained site

Site Development Standards

Table 9. Central Campus Development Sites Spreadsheet

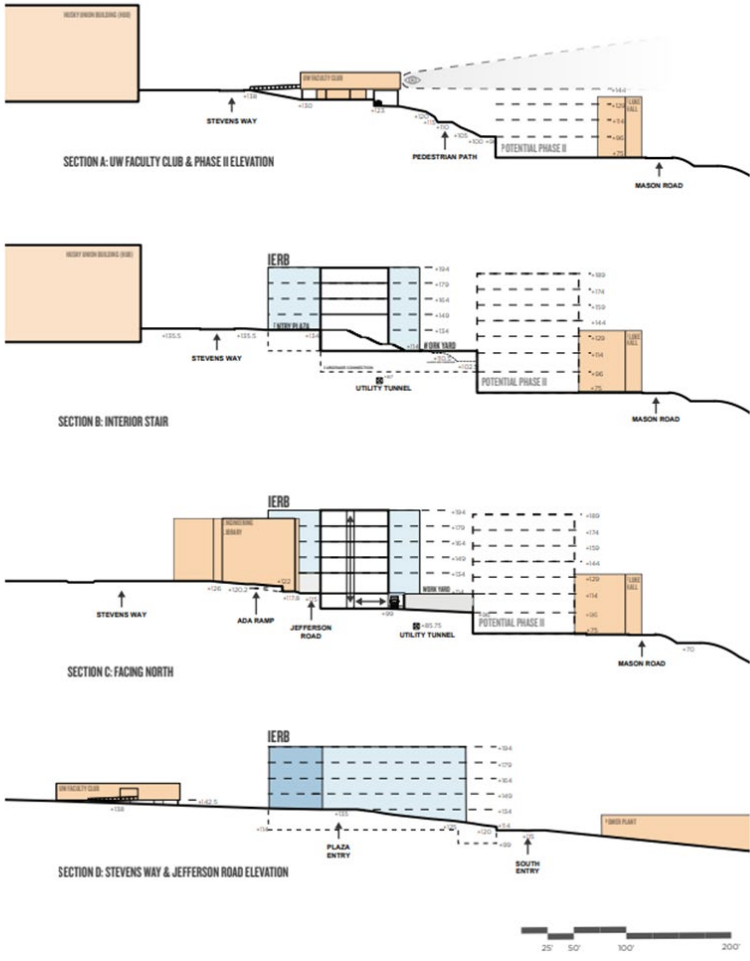
***** Growth Allowance refers to Net New

SITE ID	SITE NAME	TOTAL ENVELOPE GROSS SQUARE FEET	TOTAL MAXIMUM GROSS SQUARE FEET	PERCENT OF ENVELOPE	DEMO GROSS SQUARE FEET*****	NET NEW GROSS SQUARE FEET*****	APPROX# OF FLOORS	MAXIMUM BLDG HT LIMIT	CONDITIONED DOWN BUILDING HEIGHTS
C1	West of Memorial Way / N1 Parking Lot	290,000	200,000	69%	68,916	131,084	7	105	
C2	East of Memorial Way / N5 Parking Lot	265,000	135,000	51%		135,000	5	105	70
C3	Mackenzie Replacement / N3 Parking Lot	165,000	145,000	88%	43,099	101,901	7	105	
C4	Intellectual House Phase 2	40,000	5,000	13%		5,000	1	105	
C5	North Campus Housing 1 (Building A)**/***	170,000	110,000	65%		110,000	5	105	
C6	North Campus Housing 2 (Building E) / Haggett Hall Site / N9, 10, 11 Parking Lots **/***	535,000	290,000	54%	206,114	83,886	6	160	
C7	McMahon Hall Site / N13, 14, 15 Parking Lots	600,000	400,000	67%	288,352	111,648	11	160	
C8	Padelford Garage North Site / N16, 18, 20, 21*	315,000	245,000	78%	138,555	106,445	8	105	
C9	Padelford Hall South Site*	185,000	155,000	84%		155,000	8	105	
C10	Padelford Garage South Site*	230,000	145,000	63%		145,000	7	105	
C11	Facility Services Admin Bldg / University Facilities Bldg and Annex 1	120,000	85,000	71%	20,125	64,875	7	105	
C12	Plant Op Annexes 2-6 / University Facilities Annex 2 / C23 Parking Lot	230,000	115,000	50%	18,860	96,140	6	105	
C13	Sieo Hall Replacement	145,000	130,000	90%	57,180	72,820	7	105	

View Corridors & Street Level Transparency



Site Topography



Site Fit





Questions?

W