

UNIVERSITY OF WASHINGTON BOTHELL

PHASE 4 STEM BUILDING PREDESIGN

March 2016

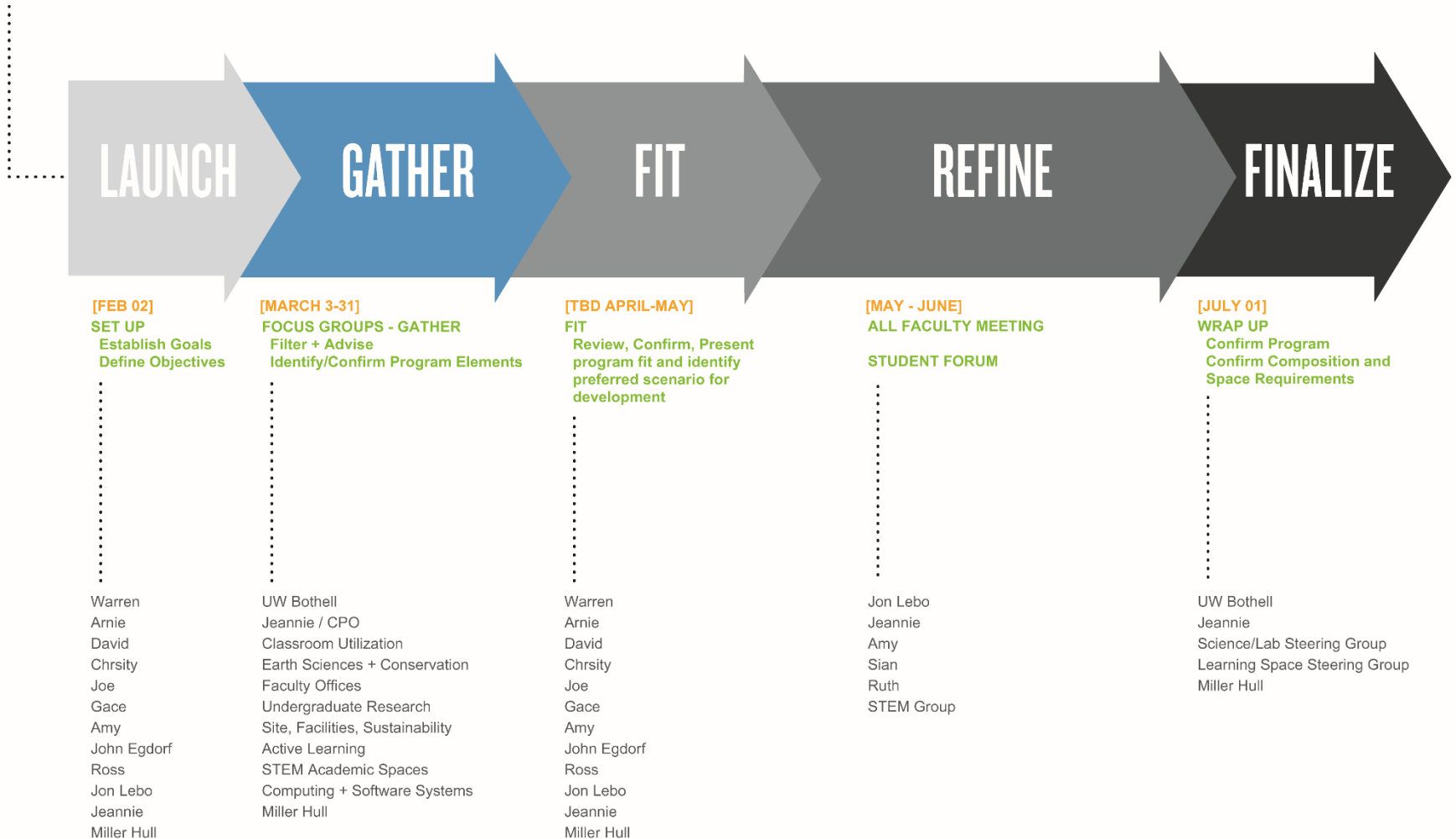


PROJECT OVERVIEW

- **PREDESIGN PROCESS**
- **PROBLEM STATEMENT / PROJECT GOAL**
- **UW BOTHELL GROWTH FORECAST**
- **SNAPSHOT OF THE PROGRAM IDENTIFIED**
- **PREFERRED PRELIMINARY SITE**

PROCESS

PROGRAMMING



PROBLEM STATEMENT

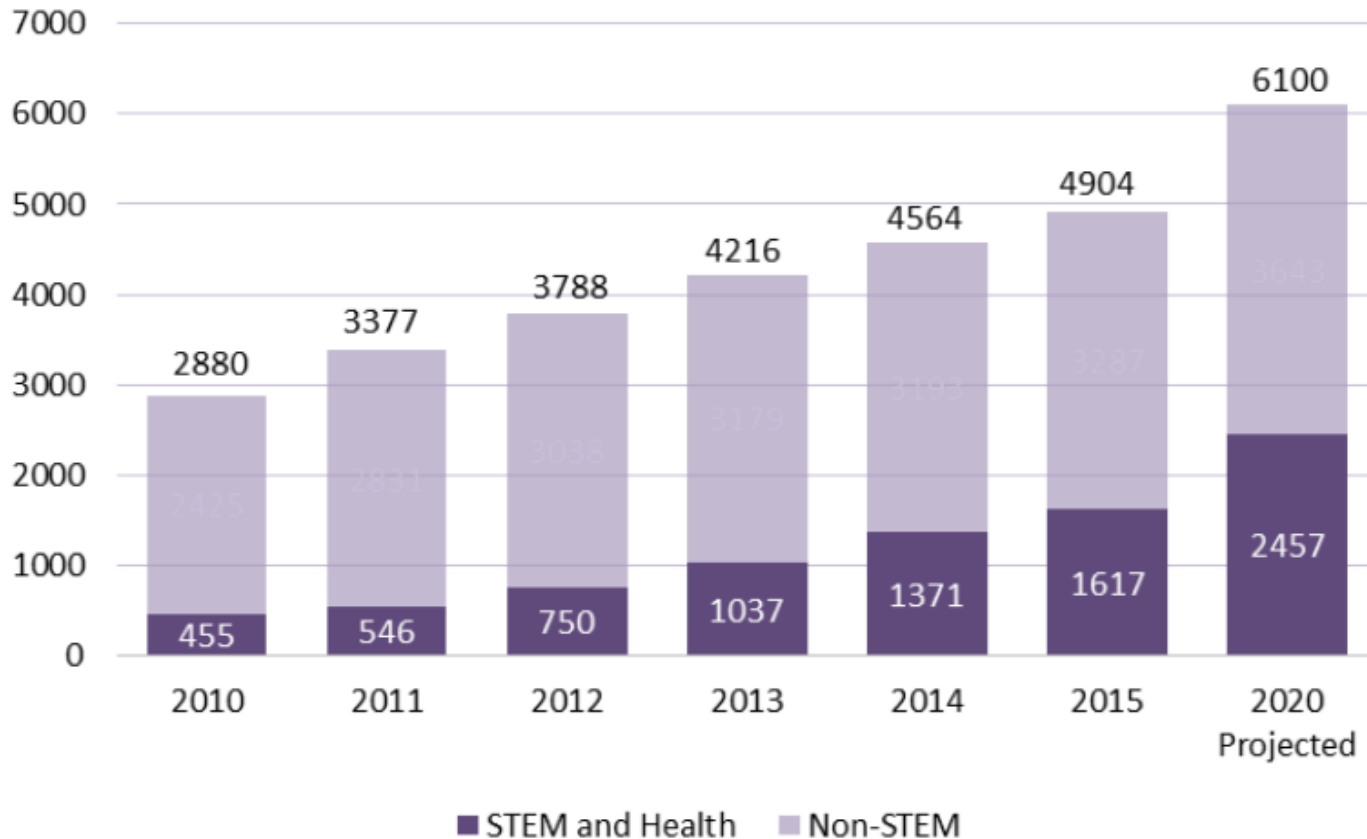
CONTRIBUTE TO MEETING THE FOLLOWING GROWTH DEMANDS PROJECTED BY 2020.

- **ACCOMODATE 1,000 NEW FULL TIME EQUIVELENT (FTE) STUDENTS IN THE SCHOOL OF STEM.**
- **INCREASE GRADUATE IN THE SCHOOL OF STEM BY 500 FTE, OF WHICH 300 FTE WILL BE ENGINEERING AND COMPUTER SCIENCE MAJORS.**

UWB GROWTH

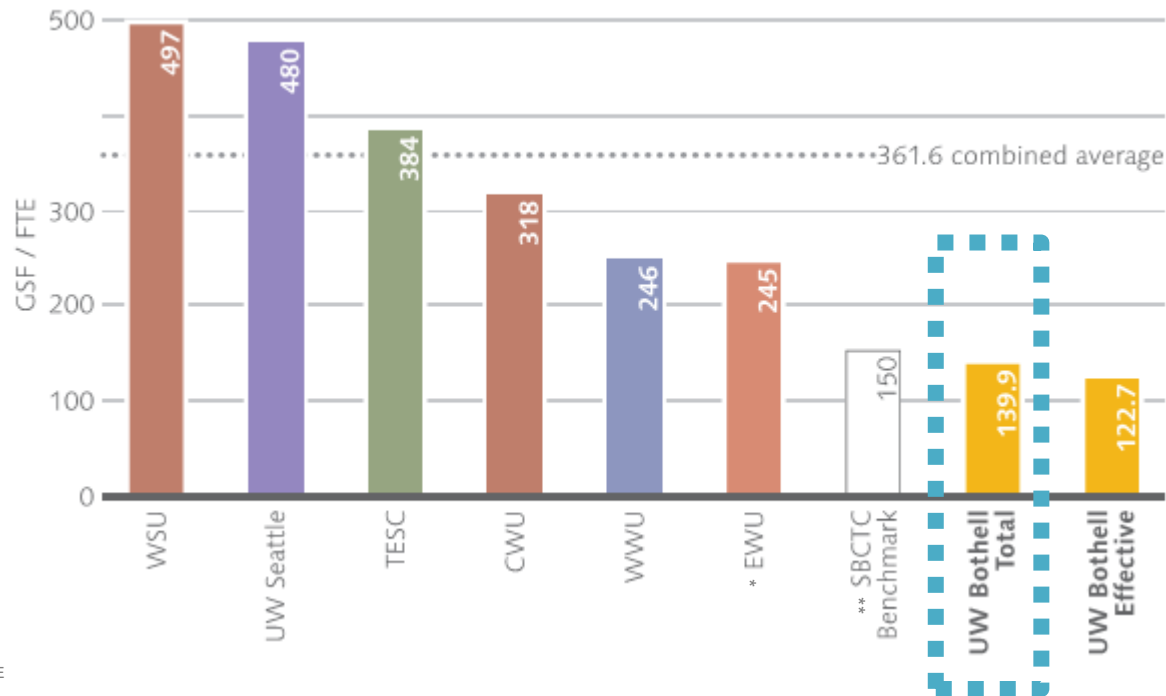
59.3% increase in enrollment since 2010

FIG. 1. UW BOTHELL STUDENT FTE ENROLLMENT 2010-15 AND PROJECTED 2020



UWB GROWTH: GSF/FTE vs. OTHER UNIVERSITIES

- **139.9 GSF/FTE UWB CURRENTLY** (based on 642,094 GSF, includes 79,147 Cascadia of shared space)
- **361.6 GSF/FTE COMBINED AVERAGE**
- **155.1 GSF/FTE WITH STEM BUILDING**
- **105 GSF/FTE BY 2020 IF NO BUILDING**



* EVERGREEN STATE COLLEGE

** STUDENT ACHIEVEMENT INITIATIVE

UWB GROWTH: GSF/FTE AT UWB

SPACE INVENTORY PER 2014-2015

IF

1.76 FTE/SEAT

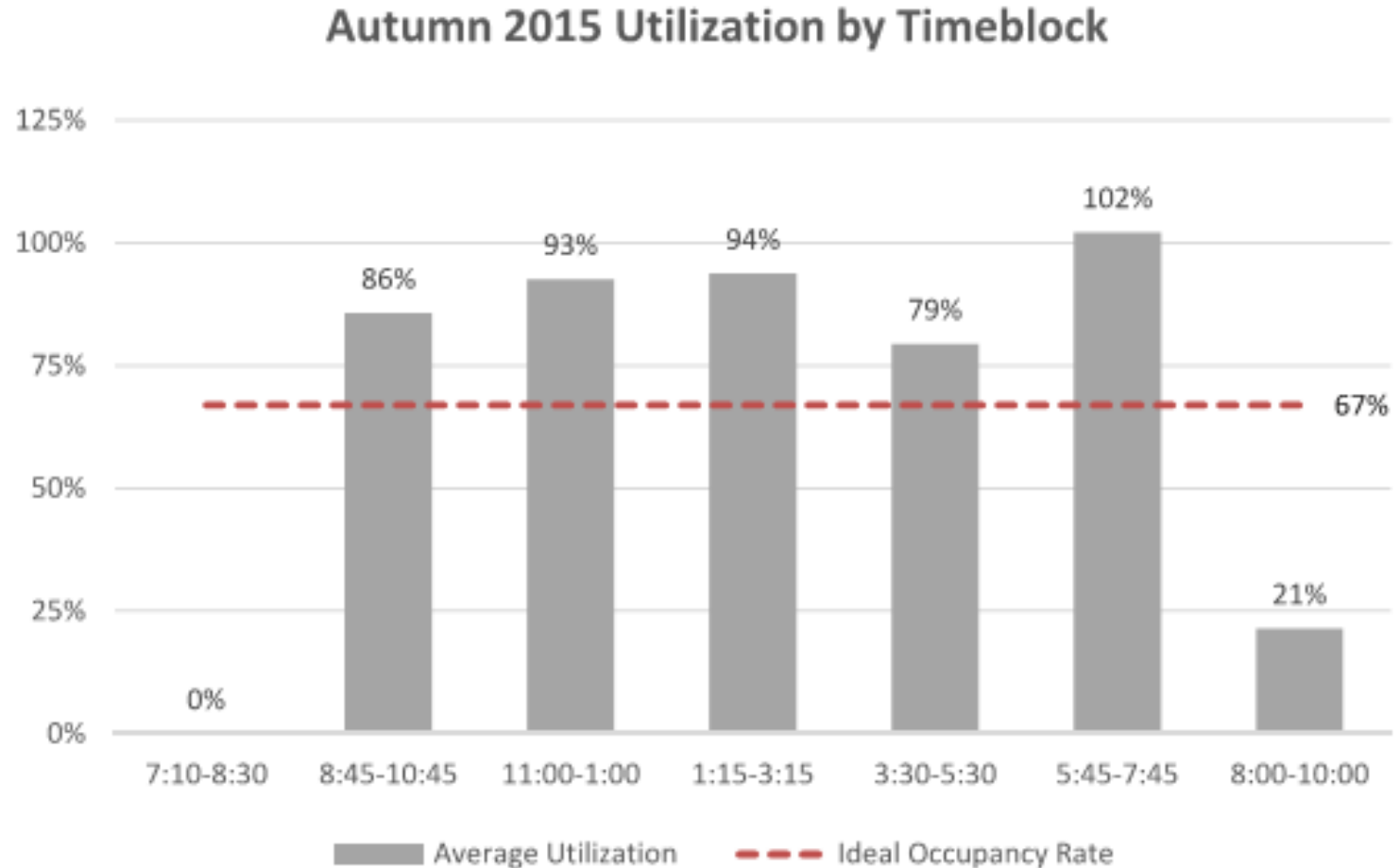
STANDARD PER WA STUDENT
ACHIEVEMENT COUNCIL

THEN

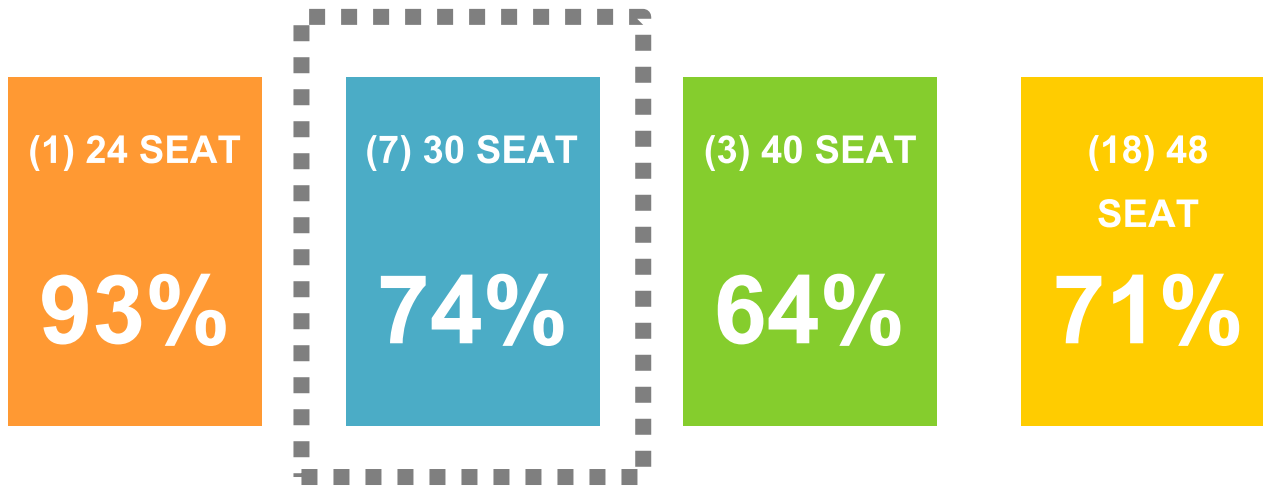
515

CLASSROOM SEAT DEFICIENCY at UWB

SPACE UTILIZATION: CLASSROOM BY TIME OF DAY



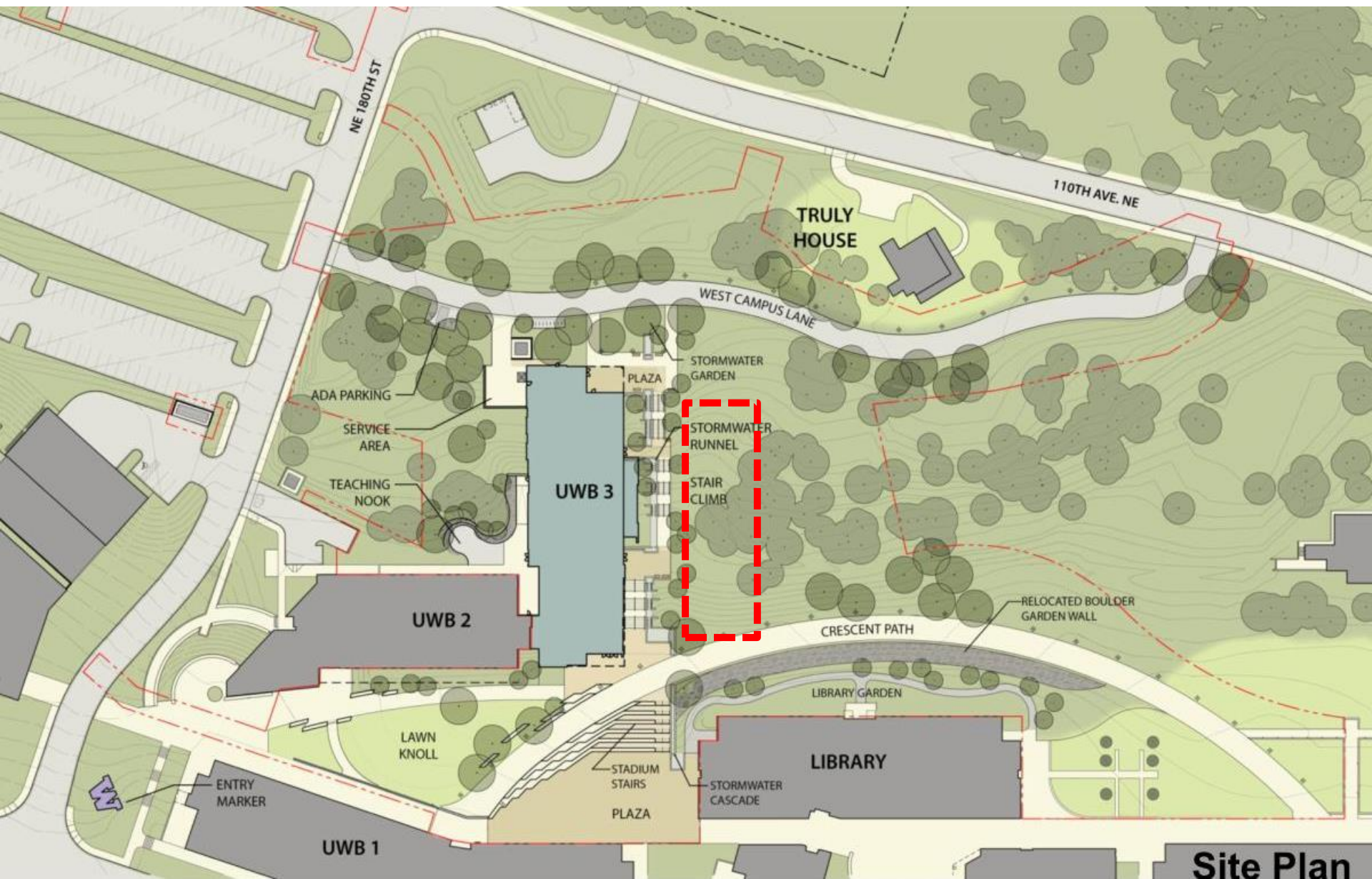
SPACE UTILIZATION: **CLASSROOM** SIZE MOST UTILIZED



WHAT WE KNOW

- UWB GROWTH
- SPACE UTILIZATION
- HOW UWB IS DIFFERENT + THE 3 C's: CROSS-DISCIPLINARY PRACTICE, CONNECTED LEARNING, COMMUNITY ENGAGEMENT
- FOCUS ON NEW DEGREES IN ENGINEERING + COMPUTER SCIENCES
- NEED FOR UNDERGRADUATE RESEARCH SPACE
- CLASS SIZE MOST NEEDED: 24, 30 and 48
- NEED FOR FACULTY OFFICES WITH SPACE FOR COLLABORATIVE ENGAGEMENT WITH STUDENTS

SITE: PHASE 4 EXTENTS PER MASTER PLAN (2011)



PREFERRED PRLIMINARY SITE

CLOSE RELATIONSHIP TO DISCOVERY HALL PROGRAM AND FUNCTION

- **DISCOVERY HALL HOUSES STEM TEACHING CLASSROOMS, LABORATORIES AND FACULTY.**
- **UTILITY CONNECTIONS EXTENDED FOR FUTURE BUILDING.**
- **PROVISIONS FOR STORM WATER.**
- **1000 TON CHILLER TO SUPPORT FUTURE BUILDING.**
- **VEHICULAR AND PEDESTRAIN CIRCULATION.**
- **TWO CODE REQUIRED FIRE LANES.**
- **HILL CLIMB STAIRS AND RAMPED PATHWAYS TO SUPPORT CAMPUS ACCESS.**