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SECTION 1
EXECUTIVE SUMMARY
Section 1 Executive Summary

1.0 EXECUTIVE SUMMARY

This Design Study was authorized by and contracted through Central Washington University to study an area of the campus surrounding Dean Hall, Science Hall, Hertz Hall, Hebelel Hall, and the Samuelson Union Building in order to define a growth plan for the development of a Science Neighborhood. The concept of campus neighborhoods was first presented in the South Neighborhood Study completed in July of 2007. Since then, and partly as a result of that study, the University has embraced the idea of defining the different districts within the campus and seeking to reinforce the character and culture of these areas through guided planning efforts. Neighborhoods identified to date include the South Neighborhood, which includes the historic heart of the campus, the Science Neighborhood, and the North Neighborhood, which includes Student Housing and University Athletics as well as academic programs.

The Science Neighborhood concept originated with plans for the renovation of Dean Hall to house Anthropology, CoTS Dean, Museum Studies, Museum of Culture and Environment, and Geology. It also took into consideration the need to look at Science Phase II to house Physics, Science Education, and Geological Sciences.

The Central Washington University College of the Sciences is made up of thirteen academic departments housed within eight different buildings spread across the campus. Central Washington University has undertaken an extensive review of unmet facility needs in the context of an overall “Science Neighborhood” planning initiative. This Design Study reflects the University’s efforts to increase instructional productivity, leverage existing resources, optimize the use of existing facilities, and create new collaborative synergies among multiple academic departments as well as with external entities. This Design Study effort seeks to achieve the following goals:

- Consolidate highly fragmented academic departments by creating a “Science Neighborhood” to bring the sciences together.
- Encourage the cross-pollination of science programs through shared use instructional spaces.
- Evaluate the influences and implications of the demolition of the south portion of Samuelson Union Building and the remodel of the north wing.
- Develop a plan for infrastructure and circulation to support the proposed location of the future Science Phase II Building.
- Provide for and develop outdoor learning areas to support the science curriculum.
- Indicate a proposed location for the Nutrition, Exercise, and Health Sciences (NEHS) Building and how that will reinforce the circulation and outdoor spaces.
- Investigate the residual value of Hertz Hall and determine if this building is to be removed or repurposed for a science curriculum.
- Identify the programs that will occupy Hebelel Hall.
- Provide opportunities to serve P-12 educators and serve community outreach functions for the Central Washington region.

This Design Study contains an overview of the Science Neighborhood boundary and an overview of previous studies and current projects in Section 2; Section 3 is an analysis of the existing site and circulation paths; Section 4 details the existing facilities, planned projects and identifies future needs; Section 5 presents options for phasing and plan alternatives.
1.1 Science Neighborhood Committee Members

The Science Neighborhood Committee formed to develop recommendations for this Design Study is as follows:

Roger Fouts  CWU Dean, Graduate Studies and Research
Kirk Johnson  CWU Dean, Professor and Dean of the College of the Sciences
Aaron Montgomery CWU Associate Professor, Mathematics
Marji Morgan,  CWU Dean of Arts & Humanities
Michael Ogden  CWU Director and Professor/Film and Video Studies
Carmen Rahm  CWU Assistant Vice President for Information Technology Services
David Kaufman  CWU Director Multimedia Technology and Instructional Support
Doug Ryder  CWU Academic Facilities Planning Officer
Bill Yarwood  CWU Director, Facilities Planning and Construction Services
Barry Caruthers  CWU Capital Projects Manager, Facilities Planning and Construction Services
Section 2  Introduction

2.0  INTRODUCTION

Central Washington University has completed one neighborhood study prior to this Science Neighborhood Study. The South Neighborhood Study originally encompassed a part of what has now been defined as the Science Neighborhood, including Hertz Hall and Hebeler Hall. The Science Neighborhood Planning Study is focused on an area on the west edge of the campus bordered by the town ditch on the north, “D” Street on the west, 9th Avenue on the south excluding, the Mitchell Union Building, and N. Walnut Street on the east, excluding the Japanese Garden and the Central Park. The goal of this study is to:

- Guide the future infill of the neighborhood.
- Propose areas for future development and areas to be preserved for open space and outdoor learning.
- Suggest corridors and pathways for pedestrian and vehicular circulation and service access.
- Encourage a focus on the science curriculum and dovetailing with the overall campus Master Plan.

2.1  Study Purpose

The purpose of this study is to make recommendations related to:

- The future of Hertz Hall.
- The future home for the Department of Nutrition, Exercise, and Health Sciences.
- The support of an Interdisciplinary Studies Program that would introduce a wide range of students to the core sciences while exposing them to some of the more advanced science programs.
- Creating an identity for the Science Neighborhood.
- The evaluation and future uses of Hebeler Hall and the Botany Greenhouse.
- Planning for future construction and the supporting ancillary needs such as parking, service access, pedestrian access, and open space.

2.2  Study Timeline

This study begins with a detailed description of the planning for the 2011/2013 legislative biennium. Plan alternatives are then addressed for each successive biennium through the 2019/2021 cycle.

2.3  A Science Neighborhood

The College of the Sciences at Central Washington University is comprised of thirteen academic departments and ten interdisciplinary programs in the natural, behavioral, social, and computational sciences. Currently, these departments are spread across the campus. However, with the proposed Science Phase II Building, the Geology and Physics Departments will be relocated from Lind Hall on University Way and the Science Education Department will be moved from the Science Building. Not only will this begin the consolidation of the sciences into one area of campus, but the proposed location for the new building will define the southeast corner of the Science Neighborhood.
By addressing the space needs for the Nutrition, Exercise, and Health Sciences beginning in the 2015 biennium, the core departments of the College of the Sciences could all be located within the Science Neighborhood. The removal of Hertz Hall would also begin to create a strong east-west axis to connect this district to the central campus as well as clearly delineate the southern edge of the Science Neighborhood. Development of the land currently occupied by Hertz Hall would be encouraged to respect and extend the “E” Street mall into the Science Neighborhood. Future growth and parking would also be encouraged to the west of the Science Phase I Building along “D” Street.
SECTION 3
SITE ANALYSIS
3.0 SITE ANALYSIS

3.1 Existing Land Use

The Science Neighborhood Planning Study is focused on an area on the west edge of the campus bordered by the town ditch on the north, “D” Street on the west, 9th Avenue on the south, excluding the MITCHLL Union Building, and N. Walnut Street, the Japanese Garden and the Central Park to the east. It is recognized that limited access for service vehicles and ADA parking will be required to support new facilities in this area.

The existing land use diagram illustrates the existing campus development, existing buildings, pedestrian circulation and existing parking located within the proposed Science Neighborhood. Existing non-overnight parking is located to the east of Hertz Hall and to the north of Hebeler Hall with some faculty parking located to the west of Dean Hall. Existing buildings that are currently located within the Science Neighborhood boundaries are as follows: Dean Hall, Science Building, Botany Greenhouse, Hebeler Hall, Hertz Hall, Samuelson Union Building (SUB), and Computer Center.
3.2 Open Space Plan – Future Building Sites

Central Washington University has a large open space with the Central Park Area being the main open space organizational element for the center of campus that sits adjacent to the east border of the Science Neighborhood. The Japanese Garden also sits adjacent to its east border. In the Science Neighborhood, open space available for future building sites can be found to the east and west of Hertz Hall and to the west of the existing Science Building.

The Science Phase II Building and the future Digital Visualization Theatre are proposed to be located to the east of Hertz Hall. Potential future development should be configured to progress to the west of Hertz Hall and the Science Building.
3.3 Circulation Plan

Central Washington University is a very pedestrian-oriented campus. Cars are allowed around the perimeter and parking is generally located at the perimeter. The Science Neighborhood is bordered by “D” Street, a primary north-south vehicular road to the west. Parking is generally located at the perimeter with the exception of J-8 lot just south of the Japanese Garden. This is the only area on campus where cars can park in the center of campus. To support the goals of the Master Plan and strengthen the goals for a pedestrian-oriented campus, this lot should be relocated to the perimeter.

The Science Neighborhood is bordered to the east by Walnut Mall, a primary north-south pedestrian spine. Many smaller paths weave through the Science Neighborhood. Future development within the Science Neighborhood should be utilized to further strengthen pedestrian movement while creating opens spaces and plazas.

The location of the Old Heat Plant and proposed remodel and addition that will function as the Welcome Center for the campus to the south will further strengthen the north south pedestrian axis for the Science Neighborhood via the “E” Street Mall.
SECTION 4
NEEDS ANALYSIS
Section 4 Needs Analysis

4.0 NEEDS ANALYSIS

4.1 Existing Facilities Within the Science Neighborhood

4.1.1 Dean Hall

Dean Hall was the University’s primary science facility until it was closed in 1998. A major renovation was completed in 2009.

Newly renovated, Dean Hall houses the following programs:

- Anthropology and Museum Studies
- Geography and Land Studies
- Interdisciplinary Masters Degree Program in Resource Management
- College of The Sciences (CoTS) Dean
- The Museum of Culture and Environment

4.1.2 Science Building

The Science Building was opened for use in September 1998 and sits adjacent to the Botany Greenhouse. The building hosts various academic and research activities, including seminars, academic club meetings, community tours (K-12 students), SOURCE, and other campus courses.

The Science Building currently houses the following programs:

- Department of Biological Sciences
- Department of Chemistry
- Science Education Program

4.1.3 Botany Greenhouse

The Central Washington University Greenhouse facility is composed of four separate rooms or “houses”. Each room has a different environment. The Greenhouse is utilized for faculty and student projects, classroom visits, and tour groups. Plants located in the Greenhouse are from all over the world.

4.1.4 Hebeler Hall

Hebeler Hall currently is home to a variety of miscellaneous programs and departmental offices. The main tenant is the Computer Science Program. It is projected that the Computer Science Program will remain in Hebeler Hall in the future.

Hebeler Hall currently houses the following programs and functions:

- Computer Science Program
- Deans Office for Arts and Humanities
- Theatre Arts overflow from McConnell Hall
- Engineering Technology (EET)
- Pacific Northwest Geodetic Array (PANGA)
- Geological Sciences functions, including faculty and graduate students
4.1.5 Hertz Hall

Hertz Hall currently is home to a variety of miscellaneous programs and departmental offices. It is projected that the implementation of the South Neighborhood Study will allow the removal of Hertz Hall.

Hertz Hall currently houses programs, departments, and the functions as follows:

- AAP/SSS
- Academic Advising
- Adjunct Faculty
- Bridges
- CAMP
- Police and Public Safety
- Miscellaneous Storage
- SAEM Computing group
- Student Financial Aid Archives
- University Writing Center
- University Math Center
- English Linguistics Lab

4.1.6 Samuelson Union Building (SUB)

Samuelson Union Building currently sits vacant. The facility serves as “cold storage” for several University functions. The south portion of the building will be demolished to allow for a future addition. The north portion of the building will remain and is slated for two phases of remodels. Replacement storage will need to be identified in order to fully vacate the facility for future use.

4.1.7 Computer Center

The Computer Center houses the major central computing resources for the University, including the Computer Operations Center, Network Operations Center, and Telecommunications Center.

4.2 Planned and Concurrent Projects

4.2.1 Samuelson Union Building (SUB)

In 2010, Schreiber Starling and Lane Architects completed a Pre-Design Study for the revitalization of the SUB. It has been summarized as a two phase project. Phase I will include demolition of the south portion of the building with the remodel of the north portion. Phase II would include the construction of the south portion that was demolished in the prior phase.

Central Washington University plans to use Samuelson as an Integrated Communications and Technology Building. When finished, Samuelson will provide a central location for information technology support and instruction as well as Central Washington University’s broadcast television services and academic programs. Completion is targeted for 2015. The functions located in the Computer Center that sits adjacent and to the east will be relocated within the SUB.
Section 4

Needs Analysis

Programs to be housed in Samuelson Union Building are as follows:

- Communications Department
- Multimedia Technology and Instructional Support (MTIS) Department
- Information Technology Services Department (ITS)
- General Use Classrooms

4.2.2 Science Phase II Building

In June of 2010, Integrus Architecture completed a Pre-Design Study for the Science Phase II Building. The Science Phase II Building was conceived of and launched more than 15 years ago when the Science Phase I Building was proposed. It is anticipated that construction for this project will be completed in June 2015. The proposed building would be four levels with 103,082 gross square feet.

Programs to be housed in the Science Phase II Building are as follows:

- Physics Department
- Geological Sciences Department
- Science Education Department
- Center for Excellence in Science and Mathematics Education (CESME)

4.2.2.1 Science Imaging Lab/Digital Visualization Theatre

Central Washington University has also proposed the construction of a Science Imaging Lab that utilizes real-time visualization technologies to enhance the level of immersive learning for students. This facility will seat up to 200 students in a multi-functional teaching environment that will include a large format curved screen and technically advanced projection and audio system. This building will be partially funded through the Science Phase II Pre-Design Study and alternative sources.

4.3 Future Space Needs

4.3.1 Replacement for Hertz Hall

The removal of Hertz Hall is based on the following key assumptions:

- Construction of a new Science Phase II facility based on the program space outlined in the Pre-Design Study.
- The South Neighborhood Plan is implemented allowing the removal of the programs, departments and functions currently housed in Hertz Hall.
- Computer Science will remain in Hebeler Hall.
- The replacement facility will meet the known and projected future needs for the College of the Sciences departments and programs.
- The replacement facility will include general scheduled instructional space to meet campus-wide needs.
4.3.1.1 Current Programs and Services

4.3.1.1.1 Interdisciplinary Programs

Departments within the College of the Sciences participate in a number of interdisciplinary programs. These programs are currently fragmented and housed across campus. For these programs to grow and be successful, they require a more prominent physical presence. The programs could be housed in a single office suite and operate with shared staff and physical resources for economy and efficiency.

4.3.1.1.2 Mathematics

In support of liberal education, scientific careers, teacher preparation, and actuarial science, the Mathematics Department prepares students for quantitative and symbolic reasoning and advanced mathematical skills through general education, service, major, and graduate programs.

The Mathematics Department Office is housed in Bouillon Hall. Due to space constraints, some faculty and adjunct office assignments are scattered across campus.

4.3.1.1.3 University Math Center (UMC)

As a keystone of the University’s Mathematics Program, the University Math Center helps a diverse population of learners build the academic and practical mathematics skills they need to graduate on time. The staff members of the Math Center teach developmental math classes, offer individualized tutoring for these courses, and extend tutoring services to all general education students at the Drop-In Lab.

The University Math Center provides academic support in quantitative skills for students in courses across the curriculum. There are two main avenues of support. The UMC staffs and operates three levels of developmental math courses to prepare students for college-level mathematics. Placement and registration are arranged through the UMC. Individual tutoring is available for these courses.

The University Math Center’s second avenue of support is through the Drop-in Help Lab located in Hertz 104. Students are encouraged to use the lab for any course with a quantitative component. Trained peer tutors are on staff to guide students through the process of solving problems. During open hours, no appointment is necessary—students may either stop by with a specific question or use the lab as a place to do homework alone or with classmates.
4.3.1.4 Environmental Programs

Central Washington University currently offers environmental program coursework. These programs may grow in the future and require establishing a new academic department. This department would include both academic and research functions.

4.3.1.5 Graduate and Research Programs

College of The Sciences (CoTS) continues to expand opportunities for students in graduate programs. Central Washington University is also gaining a reputation for providing research experience for both undergraduate and graduate students. Central Washington University is a Ronald McNair Scholars institution, and operates a Science Talent Expansion Program (STEP) and Science Honors.

The Ronald McNair Scholars Program works with juniors and seniors that have an interest in furthering their education. It helps them prepare for successful application to and completion of a graduate degree program. The McNair Program is currently housed in Farrell Hall in a marginally adequate space. The Program requires greater public exposure and improved physical space to meet the mission.

The Science Talent Expansion Program (STEP) is a program that focuses on increasing the total number of students obtaining STEM (Science, Technology, Engineering, and Mathematics) degrees at Central Washington University. It is the goal of the Science Talent Expansion Program to provide direct, significant, and sustained benefits to the student population; to recruit and retain students in STEM fields through academic support and mentoring; and to direct students equipped with essential knowledge and skills, toward successful STEM careers. Currently, there are seven departments at Central Washington University that participate in STEP. These include: Biological Sciences, Chemistry, Computer Science, Industrial and Engineering Technology, Geological Sciences, Mathematics, and Physics.

The Science Honors Research Program fosters the career development of CWU undergraduate students who have an aptitude for research in the physical, biological, or computational science fields.

4.3.1.2 Course Offerings, Mentoring Services and Required Room Types

Functions proposed to be housed in this facility are wide in scope and range from general instruction in the sciences to research, tutoring, and mentoring. Flexibility in use of informal spaces and formally scheduled spaces will be a key to the success of this facility. The proposed program for this facility includes several rooms to be used for a seminar, small class section instruction, and conference use.
A mix of general scheduled, multi-media classrooms are required to serve Mathematics and Interdisciplinary Programs instruction. A larger venue, 200-seat instructional space will be required to serve larger class sections and mitigate existing functions currently scheduled in Hertz 100. The large venue will serve both College of the Sciences and College of Arts and Humanities needs and may be scheduled by other colleges and programs as required.

### Projected Space Needs

<table>
<thead>
<tr>
<th>Space (sq. ft.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interdisciplinary Programs</td>
</tr>
<tr>
<td>Mathematics</td>
</tr>
<tr>
<td>University Math Center</td>
</tr>
<tr>
<td>Environmental Programs</td>
</tr>
<tr>
<td>External Grant Offices</td>
</tr>
<tr>
<td>Science Honors/McNair Scholars</td>
</tr>
<tr>
<td>General Support Spaces</td>
</tr>
<tr>
<td>General Scheduled Multi-Media Classrooms</td>
</tr>
<tr>
<td><strong>Total Assignable Square Feet</strong></td>
</tr>
</tbody>
</table>

### Projected Building Efficiency

Given this space program and an estimated efficiency ratio of 60%:

\[
\text{37,870 ASF / 60\% efficiency} = 63,117 \text{ GSF.}
\]

**Total Gross Square Feet** 63,117

4.3.2 Department of Nutrition, Exercise, and Health Sciences (NEHS)

#### 4.3.2.1 Current Programs and Services

The Department of Nutrition, Exercise, and Health Sciences prepares students in a variety of science-based professions that focus on the physical and functional abilities of humans. Human functioning is the overriding theme of all curricula offerings. In addition to didactic aspects, many classes provide experiential learning through structured laboratories, research, practicums, and internships. All programs provide opportunities to interact with faculty and to participate in both undergraduate and graduate research.

The curriculum of the department falls into three major categories: Nutrition and Dietetics, Clinical Physiology and Exercise Science, and Emergency Medical Services – Paramedicine. Although there are a number of separate degree programs, the need to deliver an education that assimilates and integrates material from all three areas is paramount.
4.3.2.1 Nutrition and Dietetics

The Food Science and Nutrition Program offers two degree programs as follows: Bachelor of Science in Food Science and Nutrition and a Bachelor of Applied Science in Food Service Management.

4.3.2.1.2 Clinical Physiology and Exercise Science

Exercise Science graduates use knowledge and skills to assess and improve physical status and functional abilities in both healthy and diseased populations. These students enter a world where knowledge and skills related to the role of physical activity in health and disease is of ever increasing prophylactic and prescriptive importance. Career possibilities include hospital based rehabilitation, physical and occupational therapy, corporate fitness, sports medicine, and athletic development programs.

4.3.2.1.3 Emergency Medical Services (EMS)

Central Washington University’s Paramedic Program trains individuals in pre-hospital emergency medical care. This program is intended for those individuals who are seeking a career in the Emergency Medical Services profession as a paramedic. The program offers a one year option that facilitates student eligibility to take the national registry exam and an intense two year concentration within the context of a four year degree.

The Department of Nutrition, Exercise, and Health Sciences is arguably one of the most fragmented departments on campus and likely the only department without a facility that has focused relevance to their professional and educational roles. Although faculty and staff are generally housed in Purser Hall along with the Department of Physical Education and School and Public Health, it is clear that the components (general instructional areas - classrooms) and location (next to the activity spaces of Nicholson Pavilion – the activity base for Physical Education) were based on Physical Education/Athletics as the occupant.

4.3.2.2 Course Offerings and Required Room Types

Specific details regarding physical facility needs are provided in the following sections. In general, for effective functioning and an optimal learning environment, NEHS is void of and requires the following general and specific facilities:

- Faculty Offices
- Instructional and Technician Support Spaces
- Administrative Staff Offices
- Graduate Teaching and Research Assistant Offices
- Large and Smaller Multi-Media Classrooms and Seminar Rooms
- Computer Laboratory
Specialized physical requirements include:

- Instructional laboratory spaces (general and specific) for experiential learning.
- Specialized laboratory settings for collaboratively oriented undergraduate student, graduate student, and faculty research. Specialized breakout laboratories for clinical psychomotor aspects of EMS.

Each program offers discipline specific coursework with requirements for specialized laboratory spaces. The nature of instruction in these environments demands good acoustics, proper line of sight visibility, adequate ventilation, environmental control, specialized electronic equipment, specialized storage areas for chemicals, tissue, blood products, and appropriate biohazard disposal, and specialized areas for tissue sample and chemical preparations. State of the art instructional spaces with multi-media capability, flexibility, and adaptability to accommodate future instructional technologies, program growth, and laboratory equipment are required.

### Projected Space Needs

<table>
<thead>
<tr>
<th>Program</th>
<th>Space (sq. ft.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nutrition and Dietetics</td>
<td>4,900</td>
</tr>
<tr>
<td>Clinical Physiology and Exercise Science</td>
<td>10,400</td>
</tr>
<tr>
<td>Emergency Medical Services</td>
<td>3,700</td>
</tr>
<tr>
<td>Faculty/Administrative Offices</td>
<td>10,300</td>
</tr>
<tr>
<td>General Scheduled Multi-Media Classrooms</td>
<td>8,965</td>
</tr>
<tr>
<td><strong>Total Assignable Square Feet</strong></td>
<td><strong>38,265</strong></td>
</tr>
</tbody>
</table>

### Projected Building Efficiency

Given this space program and an estimated efficiency ratio of 60%:

38,265 ASF / 60% efficiency = 63,775 GSF.

| Total Gross Square Feet           | 63,775          |
SECTION 5
SCIENCE NEIGHBORHOOD
PLAN ALTERNATIVES
Section 5 | Science Neighborhood Plan Alternatives

5.0 SCIENCE NEIGHBORHOOD PLAN ALTERNATIVES

5.1 Assumptions

In order to develop the phasing plan alternatives, assumptions have been made with the understanding of planned and concurrent projects, previous planning studies, and the future space needs for Central Washington University.

These assumptions are as follows:

- The Samuelson Union Building construction will be a two phase project. Phase I will include full design, demolition of the south portion of the building, and a remodel of the north portion. Requested funding will occur in the 2011/2013 biennium. Phase II will include the construction of the south portion. Requested funding will occur in the 2013/2015 biennium.
- The Science Phase II construction will be completed in 2015. The Science Imaging Lab is to be funded by alternative sources will be developed in the future.
- The South Neighborhood Plan will be implemented allowing the removal of the programs, departments and functions currently housed in Hertz Hall.
- Hertz Hall will be demolished to make way for future space needs in the Science Neighborhood.
- The Old Heat Plant building south of the Science Neighborhood will function as the Welcome Center.

![Campus Circulation](image-url)
5.2 Phasing Overview

Central Washington University is responsible for developing their budget estimates and budget proposals to the State of Washington within the requirements of the state's biennial budget cycle. Washington State enacts their budgets for a two-year cycle, beginning on July 1 of each odd-numbered year.

The following phasing plan alternatives have been developed to reflect the time that spans two biennial budget cycles. These biennial budget cycles identified for each phasing diagram are as follows:

- 2011/2013 – 2013/2017 Biennium
- 2019/2021 – Beyond

Campus Green
5.3 2011/2013 – 2013/2015 Biennium

At the completion of the 2013/2015 biennium planned projects include the completion of the Science Phase II Building and two phases of the Samuelson Union Building (SUB). The Science Imaging Lab/Digital Visualization Theatre that will be funded partially in the Science Phase II Pre-Design Study and alternative sources will be developed in the future. It could follow the demolition of the Computer Center and be located in its old site as a standalone building or developed as an addition to the Science Phase II. Further recommendations will be evaluated in the future pre-design.

The Science Phase II Building Pre-Design Study has located the building to the west of Hertz Hall for the following reasons:

- Close to other departments within the College of the Sciences.
- Adjacent to the major east-west pedestrian axis through campus.
- Remove parking from the center of campus.
- Strong presence for the sciences at the heart of the campus.
- Allows further development of the Science Neighborhood to the west.

The Samuelson Union Building (SUB) will be completed with a phased approach. Phase I will involve the demolition of the south additions and the remodel of the existing building. Phase II will involve the addition to the existing building to the south. Cold storage currently located within the building will need to be relocated prior to the identified phases.

The completion of these two buildings will begin the framework to develop an east-west pedestrian axis for the Science Neighborhood while connecting it to the rest of the campus.

The location of the Science Phase II Building also begins to support the goals of the campus Master Plan by removing the J-8 parking lot which is the only lot on campus that allows cars to park at the center of campus. Future parking needs within the Science Neighborhood could be accommodated to the west of the existing Science Phase I Building placing it at the edge of campus and adjacent to a primary automobile axis.
As previously discussed, Hertz Hall is home to a variety of miscellaneous programs and departmental offices. The implementation of the South Neighborhood Study will allow the removal of Hertz Hall by locating these functions elsewhere on campus.

Central Washington University has identified future space needs for Science and Math as outlined and identified as the replacement for Hertz Hall. They have also identified space needs for their Nutrition, Exercise, and Health Sciences within the Science Neighborhood.

The removal of Hertz Hall will begin to open space within the Science Neighborhood and adjacent to the Science Phase II Building to further begin strengthening the east-west pedestrian axis and connection to the center of campus to the east. As estimated with the space need projections, these two buildings could each become four story buildings and accommodate the required space while allowing them to fit within the scale and context of the neighborhood. Depending on future funding availability, they could be planned to be separate buildings or phased over time to share common public space.

By locating these programs to the west and adjacent to “D” Street as identified, it will begin to create a north-south pedestrian axis that can be connected to the Welcome Center that is planned for at the Old Heat Plant to the south of the Science Neighborhood. It will also provide future space needs for the Phase II Science Building to the west.
Section 5 | Science Neighborhood Plan Alternatives

5.5 2019/2021 – Beyond

In the 2019/2021 biennium, the Science Neighborhood has developed to feature the following:

- A strong east-west pedestrian axis with the construction of the Science Phase II Building, Science and Math, Nutrition, Exercise, and Health Sciences, and the remodel and addition to the Samuelson Union Building (SUB). This will allow for a connection to the center of the campus and the Mary-Grupe Conference Center to the east. This begins to suggest the development of a campus entrance west of "D" Street a primary automobile arterial.
- Development of a north-south axis that will connect to the Welcome Center that is planned south of the Science Neighborhood in the old Heat Plant Building along the “E” Street Mall.
- Development of a pedestrian plaza between the Samuelson Union Building and Komola Hall located to the south and located in the South Neighborhood.

Future growth for the Science Phase II Building to the west will allow for a plaza and gateway to the Science Neighborhood at the intersection of this major axis that is centrally located.

Future space needs within the Science Neighborhood should occur north and south and to the east of “D” Street to further develop the north south axes within the neighborhood. Future north south growth will need to be sensitive to the Science Phase I Building. This growth will need to respect the scale and formal aspects of the building while allowing space for it to breathe by developing open plazas or parking east of “D” Street.

Campus Circulation