

**APPLICATION FOR
URBAN DESIGN COMMISSION
REVIEW AND APPROVAL**

AGENDA ITEM # _____
Project # _____

DATE SUBMITTED: <u>19 December 2007</u>	Action Requested
UDC MEETING DATE: <u>9 January 2007</u>	<input type="checkbox"/> Informational Presentation
	<input type="checkbox"/> Initial Approval and/or Recommendation
	<input checked="" type="checkbox"/> Final Approval and/or Recommendation

PROJECT ADDRESS: 420 / 440 Henry Mall, Madison, WI

ALDERMANIC DISTRICT: #8

OWNER/DEVELOPER (Partners and/or Principals) ARCHITECT/DESIGNER/OR AGENT:
State of Wisconsin Flad & Associates
101 E. Wilson Street 644 Science Drive
Madison, WI 53707 Madison, WI 53711

CONTACT PERSON: Thomas M. Raley, AIA
Address: 644 Science Drive
Madison, WI 53711
Phone: (608) 232-4301
Fax: (608) 238-6727
E-mail address: traley@flad.com

TYPE OF PROJECT:

(See Section A for:)

- Planned Unit Development (PUD)
 - General Development Plan (GDP)
 - Specific Implementation Plan (SIP)
- Planned Community Development (PCD)
 - General Development Plan (GDP)
 - Specific Implementation Plan (SIP)
- Planned Residential Development (PRD)
- New Construction or Exterior Remodeling in an Urban Design District * (A public hearing is required as well as a fee)
- School, Public Building or Space (Fee may be required)
- New Construction or Addition to or Remodeling of a Retail, Hotel or Motel Building Exceeding 40,000 Sq. Ft.
- Planned Commercial Site

(See Section B for:)

- New Construction or Exterior Remodeling in C4 District (Fee required)

(See Section C for:)

- R.P.S.M. Parking Variance (Fee required)

(See Section D for:)

- Comprehensive Design Review* (Fee required)
- Street Graphics Variance* (Fee required)
- Other _____

*Public Hearing Required (Submission Deadline 3 Weeks in Advance of Meeting Date)

Where fees are required (as noted above) they apply with the first submittal for either initial or final approval of a project.

URBAN DESIGN COMMISSION APPROVAL PROCESS

INTRODUCTION

The City of Madison's Urban Design Commission (UDC) has been created to:

- Encourage and promote high quality in the design of new buildings, developments, remodeling, and additions so as to maintain and improve the established standards of property values within the City.
- Foster civic pride in the beauty and nobler assets of the City, and in all other ways possible assure a functionally efficient and visually attractive City in the future.

The process outlined here is intended to:

- Facilitate the preparation of meeting agendas.
- Provide information on projects to UDC members in advance of the meeting at which they will consider a project.
- Provide a record of the plans approved for a given project.

TYPES OF APPROVALS

Informational Presentation. Applicants are often encouraged to make an Informational Presentation to the UDC prior to seeking any approvals in order to obtain an initial reaction and direction before undertaking detailed design. Applicants should provide details on any concept, site and building plans, and other relevant information on which the Urban Design Commission can provide feedback.

Initial Approval and/or Recommendation. Applicant may obtain initial approval and/or recommendation of a project by presenting preliminary design information/detail.

Final Approval and/or Recommendation. Applicant may obtain final approval and/or recommendation of a project by presenting final project details. Recommendations/concerns expressed in the initial approval must be addressed at this time.

PRESENTATIONS TO THE COMMISSION

When presenting projects to the Urban Design Commission, applicants should fill out a registration slip provided in the meeting room and present it to the Secretary. The applicant is encouraged to consider the use of various graphic presentation material including a locator map, photographs, renderings/model, scale drawings of the proposal in context with adjacent buildings/uses/signs, etc., as may be deemed appropriate to describe the project. Graphics should be mounted on rigid boards so that they may be easily displayed.

Primarily, the Commission is interested in the appearance and design quality of projects. Emphasis should be given to the site plan, landscape plan, lighting plan, building elevations, exterior building materials, color scheme, and graphics.

Presentations should generally be limited to 5-10 minutes. The Commission will withhold questions until the end of the presentation.

APPLICATION REQUIREMENTS

Submission requirements for all types of applications for Urban Design Commission approval are as outlined in the following sections A-D. In addition, Electronic Application Submittal is required by all applicants consisting of a copy of the completed application form, descriptive materials, and plans as individual Adobe Acrobat PDF files compiled either on a non-returnable CD-ROM to be included with their application materials, or in an e-mail sent to UDCApplcations@cityofmadison.com The transmittal shall

include the name of the project, address, and applicant. Applicants unable to provide the materials electronically should contact the Secretary of the Urban Design Commission at 267-8740 for assistance.

An application is required for each Urban Design Commission appearance. For projects also requiring Plan Commission approval, applicants must have submitted an accepted application for Plan Commission consideration prior to obtaining any formal action (initial or final approval) from the UDC. Applicants are strongly encouraged to meet with UDC staff prior to preparing an application. Please call (608) 266-4635 to arrange an appointment.

NOTICE REGARDING LOBBYING ORDINANCE: If you are seeking approval of a development that has over 40,000 square feet of non-residential space, or a residential development of over 10 dwelling units, or if you are seeking assistance from the City with a value of \$10,000 (including grants, loans, TIF, or similar assistance), then you likely are subject to Madison's lobbying ordinance (Sec. 2.40, MGO). You are required to register and report your lobbying. Please consult the City's Clerk's Office for more information. Failure to comply with the lobbying ordinance may result in fines.

All application fees shall be included with the application. Make check payable to City Treasurer, Madison, Wisconsin.

SECTION A

SUBMISSION REQUIREMENTS FOR:

- PUD's,* PCD's, PRD's
- New Construction or Major Exterior Remodeling in Urban Design District** (\$300 Application Fee)
- Minor Exterior Remodeling in Urban Design District (\$150 Application Fee)
- School, Public Building, or Space (Application Fee may be required)
- New Construction or Addition to or Remodeling of a Retail, Hotel, or Motel Building Exceeding 40,000 Sq .Ft.
- Planned Commercial Site

* NOTE: Applications for Planned Unit Development Districts in Downtown Design Zones are required to address the provisions of Section 28.07(6) of the Zoning Code including the "Exterior and Interior Design Criteria for Planned Unit Development Districts in Downtown Design Zones."

** Public Hearing Required

1. Informational Presentation

Applications to make an Informational Presentation of a project to the UDC should be accompanied by an electronic pdf submission **AND 14 collated sets** of all materials (11" x 17" max.), including the following **required** items:

- a. Locator Map
- b. Brief Narrative Description of the Project
- c. Any and all relevant plans and information on which feedback by the Urban Design Commission is requested.

2. Initial Approval and/or Recommendation

Applications to make an Initial Approval and/or Recommendation of a project should be accompanied by an electronic pdf submission **AND 14 collated sets** of all materials (11" x 17" max.), including the following **required** items:

- a. Locator Map
- b. Site Plan showing location of existing and proposed buildings
- c. Landscaping Plan
- d. Building Elevations
- e. Contextual site information including photographs and layout of adjacent buildings/structures
- f. PUD text and letter of intent

3. Final Approval and/or Recommendation

Applications to obtain Final Approval and/or Recommendation of a project should be accompanied by an electronic pdf submission **AND 14 collated sets** of all materials (11" x 17" max.), including the following **required** items:

- a. Locator Map
- b. Site Plan showing location of existing and proposed buildings
- c. Grading Plan
- d. Landscape Plan
- e. Building Elevations, colored with shadow lines required
- f. Proposed Signage
- g. Lighting Plan/Details/Photometrics
- h. Utility/HVAC equipment location and screening details
- i. PUD text and letter of intent

The applicant shall bring to the UDC meeting, samples of the exterior building materials and color scheme to be used on the project; in addition to providing a list of exterior building materials and colors as an attachment and/or detail to the building elevations.

SECTION B

SUBMISSION REQUIREMENTS FOR:

- **New Construction or Major Exterior Remodeling in C4 District (No application fee required – covered by Plan Commission application)**
- **Minor Exterior Remodeling in C4 District (\$150 Application Fee)**

1. Informational Presentation

Applications to make an Informational Presentation of a project to the UDC should be accompanied by an electronic pdf submission **AND 14 collated sets** of all materials (11” x 17” max.), including the following **required** items:

- a. Locator Map
- b. Brief Narrative Description of the Project
- c. Any and all relevant plans and information on which feedback by the Urban Design Commission is requested.

2. Initial Approval and/or Recommendation

Applications to make an Initial Approval and/or Recommendation of a project should be accompanied by an electronic pdf submission **AND 14 collated sets** of all materials (11” x 17” max.), including the following **required** items:

- a. Locator Map
- b. Building Elevations including adjacent buildings
- c. Photographs of existing buildings as well as adjacent buildings.

3. Final Approval and/or Recommendation

Applications to obtain Final Approval and/or Recommendation of a project should be accompanied by an electronic pdf submission **AND 14 collated sets** of all materials (11” x 17” max.), including the following **required** items:

- a. Locator Map
- b. Building Elevations including adjacent buildings
- c. Photographs of existing buildings as well as adjacent buildings.
- d. Proposed Signage

The applicant shall bring to the UDC meeting, samples of the exterior building materials and color scheme to be used on the project; in addition to providing a list of exterior building materials and colors as an attachment and/or detail to the building elevations.

SECTION C

SUBMISSION REQUIREMENTS FOR:

- **RPSM Parking Variance (\$300 Application Fee)**

1. Informational Presentation

Applications to make an Informational Presentation of a project to the UDC should be accompanied by an electronic pdf submission **AND 14 collated sets** of all materials (11" x 17" max.), including the following **required** items:

- a. Locator Map
- b. Brief Summary of the Parking Variance Request
- c. Any and all relevant plans and information on which feedback by the Urban Design Commission is requested.

2. Initial Approval and/or Recommendation

Applications to make an Initial Approval and/or Recommendation of a project should be accompanied by an electronic pdf submission **AND 14 collated sets** of all materials (11" x 17" max.), including the following **required** items:

- a. Locator Map
- b. Summary of the Parking Variance Request
- c. Site Plan
- d. Landscape Plan

3. Final Approval and/or Recommendation

Applications to obtain Final Approval and/or Recommendation of a project should be accompanied by an electronic pdf submission **AND 14 collated sets** of all materials (11" x 17" max.), including the following **required** items:

- a. Locator Map
- b. Summary of the Parking Variance Request
- c. Site Plan
- d. Landscape Plan
- e. Parking Lot Lighting Plan/Details/Photometrics

SECTION D

SUBMISSION REQUIREMENTS FOR:

- **Comprehensive Design Review (\$200 Application Fee)**
- **Street Graphics Variance (\$200 Application Fee)**

NOTE: Public Hearing Required

1. Informational Presentation

Applications to make an Informational Presentation of a project to the UDC should be accompanied by an electronic pdf submission **AND 14 collated sets** of all materials (11" x 17" max.), including the following **required** items:

- a. Locator Map
- b. Brief Narrative Description of the Project
- c. Any and all relevant plans and information on which feedback by the Urban Design Commission is requested.

2. Initial Approval and/or Recommendation

Applications to make an Initial Approval and/or Recommendation of a project should be accompanied by an electronic pdf submission **AND 14 collated sets** of all materials (11" x 17" max.), including the following **required** items:

- a. Locator Map
- b. A written explanation of the variance requested comparing the Sign Code allowance to the proposed signage.
- c. Site Plan (show location of all existing and proposed buildings, and all existing and proposed street graphics, specifying which existing graphics, if any, are to be removed)
- d. Scale drawing of each proposed graphic, including awning graphics
- e. Photographs of site

3. Final Approval and/or Recommendation

Applications to obtain Final Approval and/or Recommendation of a project should be accompanied by an electronic pdf submission **AND 14 collated sets** of all materials (11" x 17" max.), including the following **required** items:

- a. Locator Map
- b. A written explanation of the variance requested comparing the Sign Code allowance to the proposed signage.
- c. Site Plan (show location of all existing and proposed buildings, and all existing and proposed street graphics, specifying which existing graphics, if any, are to be removed)
- d. Scale drawing of each proposed graphic, including awning graphics
- e. Description and/or samples of materials and colors for each proposed sign
- f. Photographs of site
- g. If any graphics similar to proposed graphics are in use elsewhere, photographs of the similar graphics

STREET GRAPHICS VARIANCE AND/OR COMPREHENSIVE DESIGN REVIEW

Section 31.04 of the Madison General Ordinance provides for the City's Urban Design Commission, after a public hearing to:

- Approve a street graphic up to twenty-five percent (25%) larger or higher than the maximum square footage or height otherwise allowed or reduce the yard or setback required if a variance:
 - Is necessary for a street graphic located on the site of an establishment to be identifiable and legible from the nearest roadway at prevailing speeds; and
 - Will result in a street graphic more in scale with the building and site and in a superior overall design.
- Permit street graphics which will front on roads which according to the official map or capital improvement program indicate a change in size of that road or a change of zoning in the future as if the change were currently in effect;
- Permit the use of an above-roof graphic on a given zoning lot in a commercial district provided that the graphics on adjacent properties reduce the effectiveness of other types of conforming street graphics or were topographic relationships between structures and right-of-ways would deem their use appropriate;
- Permit the use of an above-roof graphic when the architecture of the building does not provide a reasonable signable area;
- Permit the use of wall graphics on building facades not adjacent to off-street parking areas where, due to variation of building setbacks, a signable area exists, provided the area of the graphic shall not exceed the area of the wall graphic permitted on the front of the building;
- Approve a comprehensive design plan for either an existing or new building should the integration of street graphics into an overall building design be prohibited solely by the restrictions of this ordinance, with the objective of the comprehensive design review being recognition of exceptional effort to create visual harmony between street graphics, the building and the building site; and
- Permit an above-canopy graphic that crosses architectural detail to be erected closer than five (5) feet to the nearest face of a building.



Biochemistry II Building



State of Wisconsin
Division of State Facilities

The University of Wisconsin - Madison
New Biochemistry II Building
Project Number 05 F 1 K

Urban Design Commission
Final Approval Presentation
January 9, 2008

Flad

Site:

The Biochemistry II project site is currently a fully developed site occupied by various departments of the College of Agriculture and Life Sciences. In order to accommodate the program, demolition of the entire 1956 Biochemistry building and demolition of the single story auditorium and associated below grade animal facility of the 1985 Biochemistry building will take place as a separately contracted phase of work. Vehicular access to the site will be altered by the inclusion of a new access drive from Linden Drive to the north of the site and closure of the two existing vehicle access points from Henry Mall in response to the Campus's desire to limit vehicle traffic on Henry Mall. Loading, moped, limited staff parking and required Fire Department approaches to the high-rise portion of the project will be served from the new drive. A mature 'heritage' American elm tree is located between the 1937 and 1998 Biochemistry buildings. The Heritage Tree has been evaluated and deemed healthy and will thus be preserved as the focal point of the existing courtyard.

Pedestrian access to the new facility will be gained primarily from the newly created Biochemistry Mall area between the research tower and the 1912 and 1937 Biochemistry buildings to the South. In this area, there will be two entries into the first floor lobby space and additional accessible entries into the Southern facade of Agricultural Journalism building and the Northern facade of the 1912 and 1937 complex. The area directly south of the Agricultural Journalism building will be developed as a courtyard serving the cafe. The current bicycle parking area north of the Heritage Elm tree will be displaced by construction. These bicycle parking stalls along with additional stalls for the increased population in the area will be strategically located throughout the site.

Stone paving will be used on site to accent the research tower and to complement surrounding buildings. Colored concretes will be used for additional paved surfaces. Site lighting will be used to illuminate building entries, pedestrian walkways, and to accent landscape plantings. Landscape plantings will consist of deciduous ornamental trees, and a mix of evergreen and deciduous shrubs and groundcover. Deciduous shade and ornamental trees will be used along the western edge of Henry Mall in accordance with recommendations made by the December 2005 Henry Mall Cultural Landscape Inventory.

Architectural:

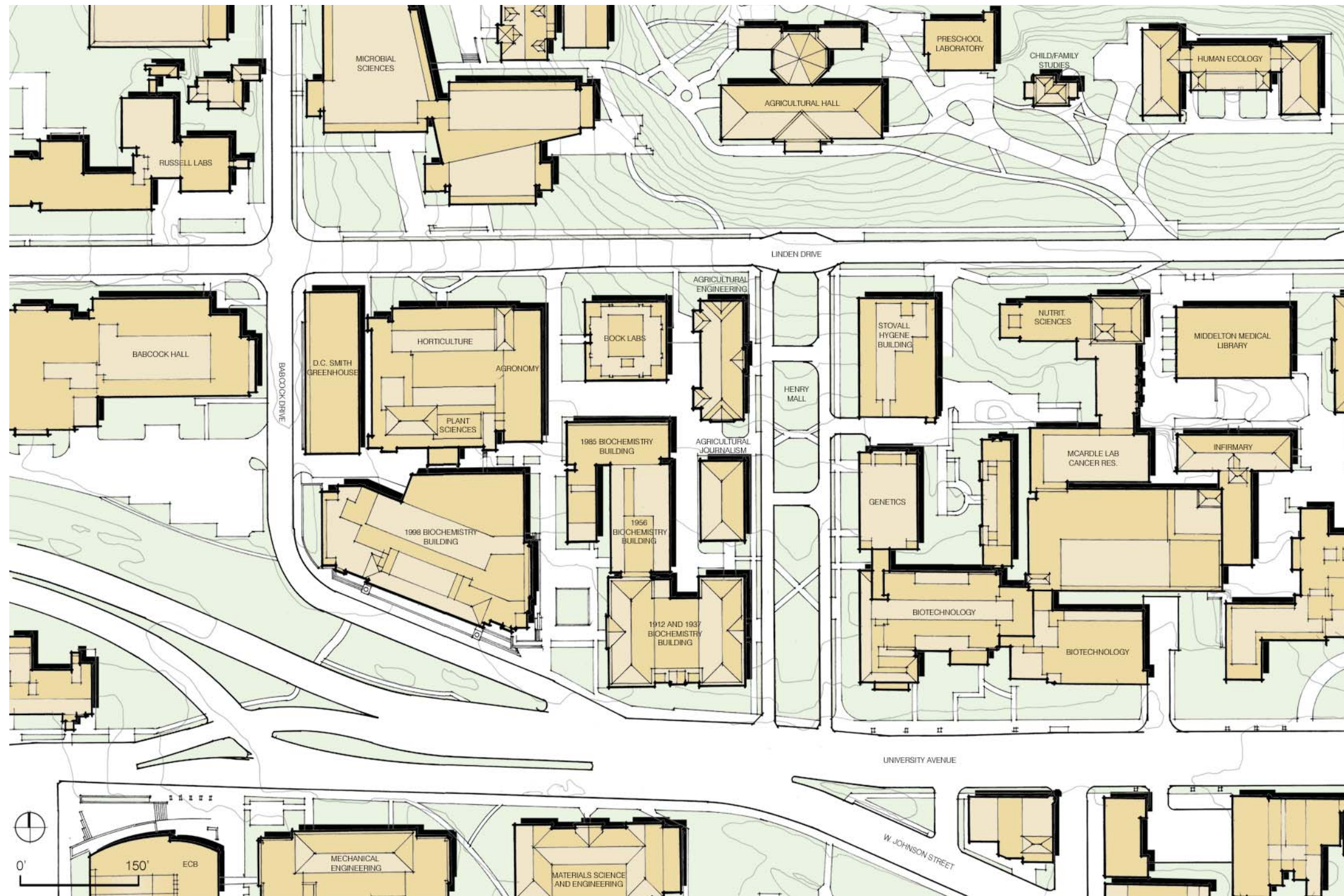
The Biochemistry II project holds a significantly large program area on a highly constrained and historically rich site, balancing these two opposing constraints was the key challenge to project team. The project serves two primary missions: instruction and research. Through the evolution of the design, a natural articulation of these two program elements emerged. Instruction is located exclusively in the historic 1912 and 1937 Biochemistry buildings fronting Henry mall to the east and University Avenue to the south. Research laboratories will be located in the newly constructed research tower located in the void created by the demolition of the 1956 Biochemistry building and portions of the 1985 Biochemistry building. Careful consideration has been devoted to the massing, proportions and contextual relationship of the new research tower to its surroundings. The roof height of the research tower is approximately the same as that of the 1985 Biochemistry building, although mechanical screens and limited penthouse space will exceed that height. The research tower is separated from the historic buildings to the south by approximately thirty feet, reestablishing the intent of the original 1908 Campus Master Plan by Peabody, Laird and Cret. The Agriculture Journalism Building (circa 1906) is programmatically incorporated into the new research tower but a separation of approximately twelve feet has been maintained to preserve the character of the historic building and to give the appearance of a separate building. Furthermore, the research tower is stepped

back at the sixth floor by approximately eight feet in an effort to minimize the overall impact of the size disparity between the two buildings.

The first floor of the building is set back further to enhance and to create a sheltered portion of the pedestrian open space. Ground floor spaces are dedicated to large group and general use spaces. A small plaza which serves the café is set back slightly from the corner of Agriculture Journalism. The exterior treatment of the new research tower has evolved in accordance with the direction of the Division of State Facilities Peer Review and the University Design Review processes with contribution from the State Historical Society. The primary exterior materials are terra cotta, glass and anodized aluminum. The east facade, which creates the backdrop for the Agriculture Journalism Building, is a weave of terra cotta sun shading elements over a deep vertical aluminum window mullion sun shading system. This facade is intended to present a delicate texture which de-materializes the scale of this elevation while the terra-cotta sunshade elements create a direct material relation to the terra-cotta roof tiles on the historic buildings. The south facade is composed in a vertical rhythm familiar to the 1998 Biochemistry building directly to the west. Terra cotta cladding and glass window bays create the primary rhythm of this elevation. A layer of aluminum sun shading is beyond the glass to limit solar heat gain as well as to relate this facade to the other elevations. The southwest corner of the building holds break rooms which look out over the existing courtyard between the 1937 and 1998 Biochemistry buildings and features the mature American elm tree. Although the exterior of the break room corner is detailed to relate to the remainder of the building, the emphasis on transparency expresses the open social character of the space within. It is a focal point upon approach to the building and a unique element in the composition.

The treatment of the historic buildings has developed in response to the State Historical Society direction. The Agriculture Journalism Building (c. 1906), the 1912 and 1937 Biochemistry buildings will all be restored as part of this project. Restoration will involve cleaning and tuck-pointing brick, removal of terra-cotta roof tiles to refurbish or rebuild roof structures and reinstallation of the roof tiles (replacing those that are damaged with matching antique tiles). Windows are also to be replaced with matching replica aluminum windows which will allow permanent removal of the storm windows thus returning the buildings to their original character. The 1937 Biochemistry addition also houses two murals painted in-situ by notable artist John Steuart Curry, the murals will be protected during construction and restored at the completion of this project. The newly constructed auditoria spaces which will be inserted between the 1912 and 1937 buildings will be clad differently from the existing structures per Wisconsin Historical Society direction (the south facade, facing University Avenue, will be preserved). Brick reclaimed from the demolition of existing structures will be crushed and used to fill gabions and hung from a steel frame to create the weather surface of the north facade infill. Rooftop additions to the 1912 and 1937 buildings are limited in height as much as practical, and are held between the ridges of the existing rooflines.

A pedestrian bridge will connect the newly constructed infill portion of the 1912 and 1937 buildings to the new research tower. The available space to make the connections between the buildings is extremely limited thus the bridge is relatively narrow requiring efficient structural and cladding systems. An approach of minimal detailing has been adopted to maximize transparency and to limit the visual obtrusiveness of the bridge. Large glass panels and thin steel structural elements are being employed to accomplish this means.



Existing Site Plan / Location Map



1985 Biochemistry Building -
Single story auditorium and associated below
grade vivarium to be demolished (obscured from
view).

1956 Biochemistry Building to be demolished.

1906 Agricultural Journalism Building to receive
full exterior restoration and to be fully renovated
inside.

1912 Biochemistry Building to receive full exterior
restoration and to be fully renovated inside.

Aerial View of Existing Site From East



1912 Biochemistry Building to receive full exterior restoration and to be fully renovated inside.

1906 Agricultural Journalism Building to receive full exterior restoration and to be fully renovated inside.

Existing Conditions: Street Level View of Site From Southeast

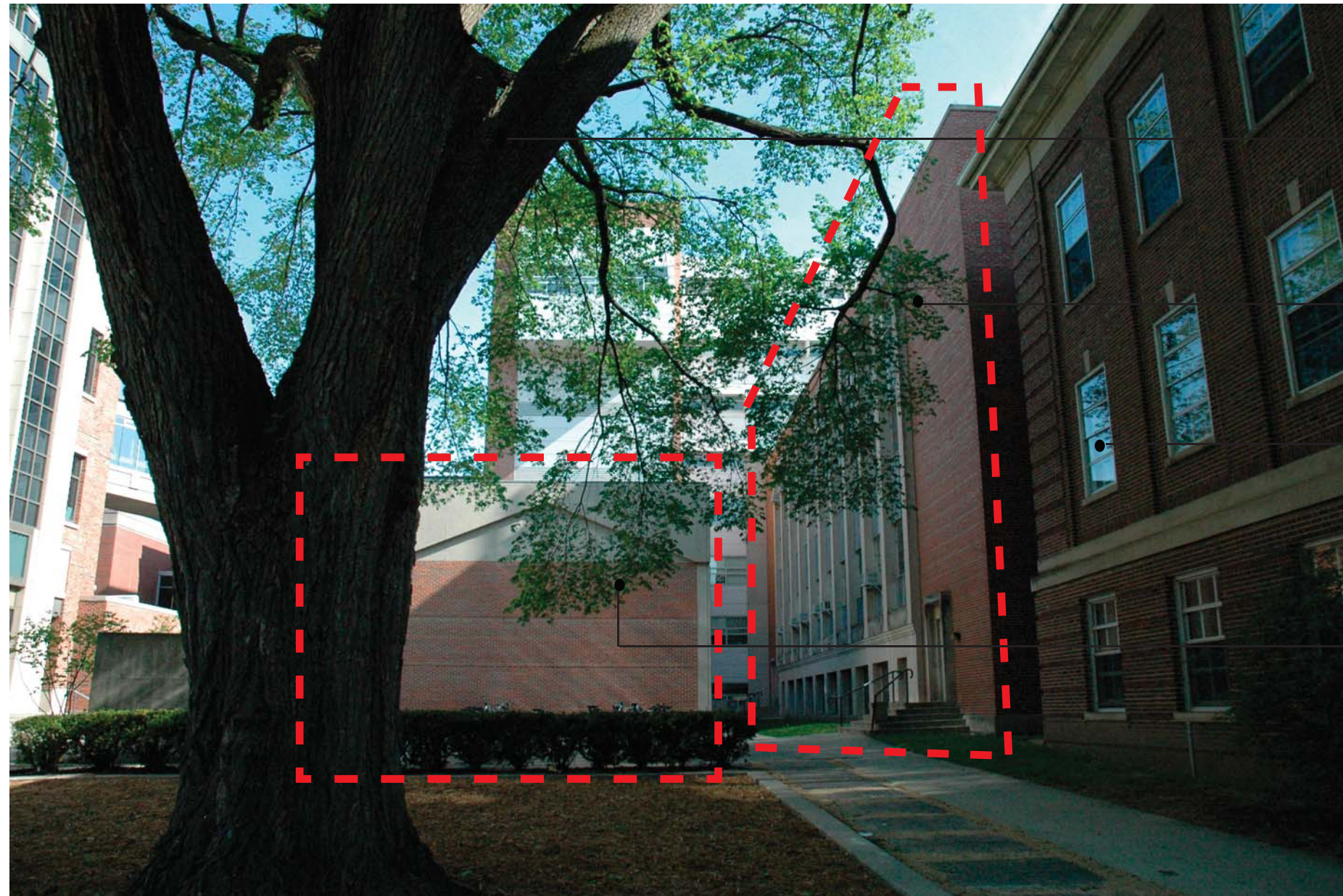


1912 Biochemistry Building to receive full exterior restoration and to be fully renovated inside.

Central facade area of 1912 Biochemistry Building to receive full exterior restoration, structure beyond to be demolished and re-built.

1937 Biochemistry Addition to receive full exterior restoration and to be fully renovated inside.

Existing Conditions: Street Level View of 1912 Biochemistry Building and 1937 Biochemistry Addition from South



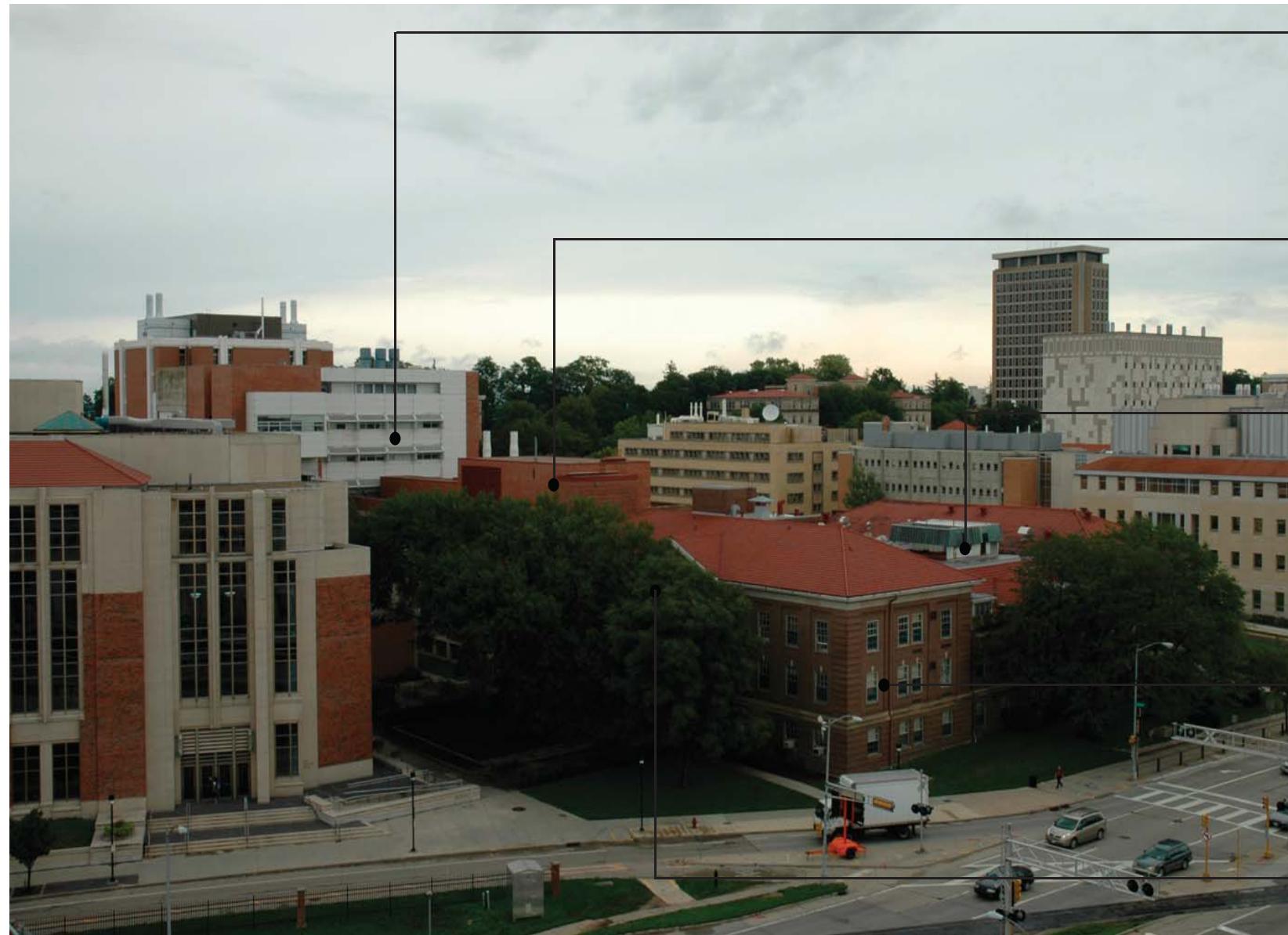
Heritage Elm tree to be preserved.

1956 Biochemistry Building to be demolished.

1937 Biochemistry Building to receive full exterior restoration and to be fully renovated inside.

1985 Biochemistry Building - Single story auditorium and associated below grade vivarium to be demolished.

Existing Conditions: View of Site 1985 Auditorium and West Facade of 1956 Biochemistry Building



1985 Biochemistry Building -
Single story auditorium and associated below
grade vivarium to be demolished (obscured
from view).

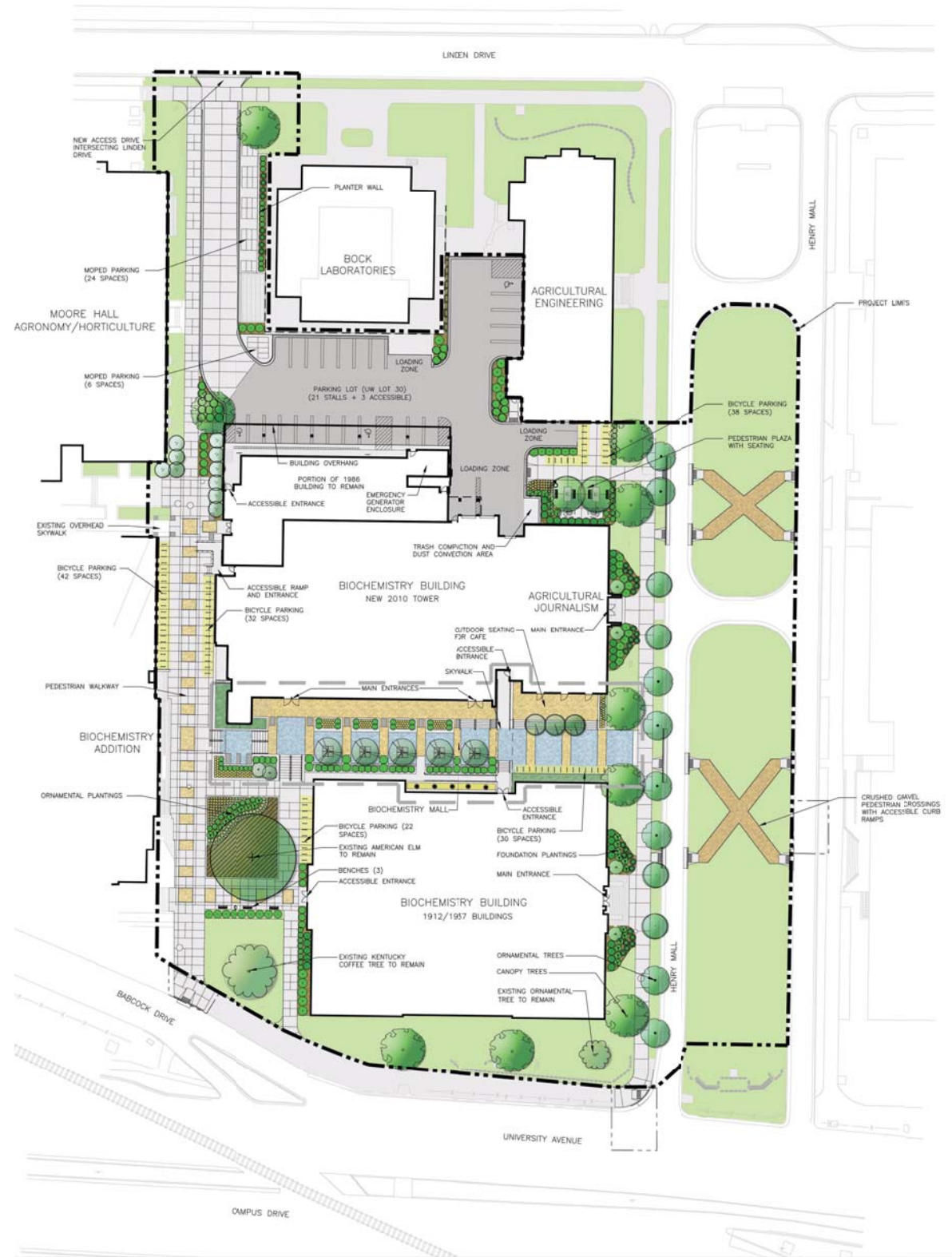
1956 Biochemistry Building to be demolished
(partially obscured from view by Heritage Elm
tree).

Central portion of 1912 Biochemistry Building
to be demolished and rebuilt (south facade to
remain and receive full exterior restoration).

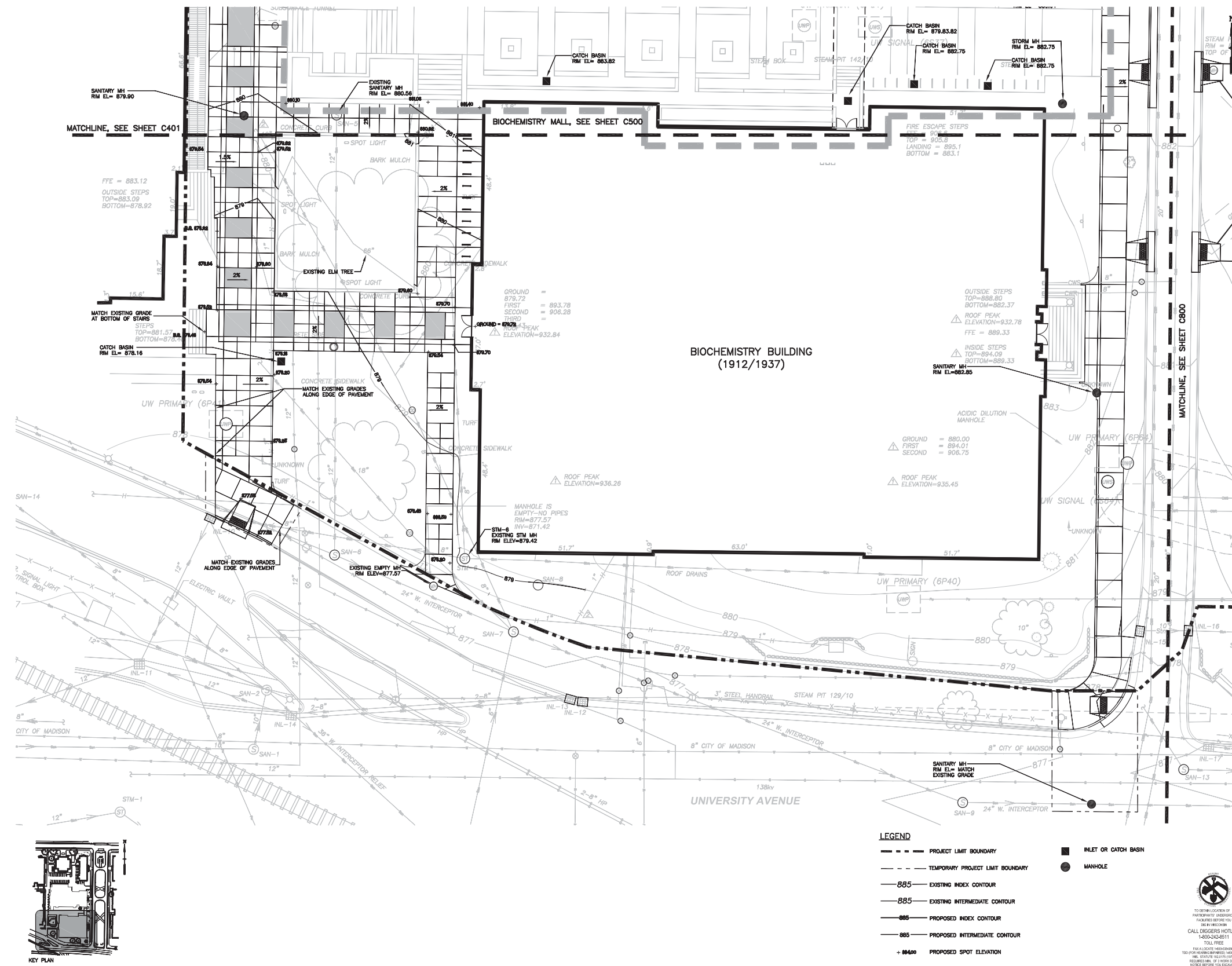
1937 Biochemistry Building to receive full
exterior restoration and to be fully renovated
inside.

Heritage Elm tree to be preserved.

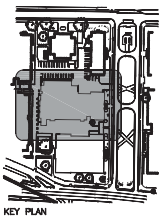
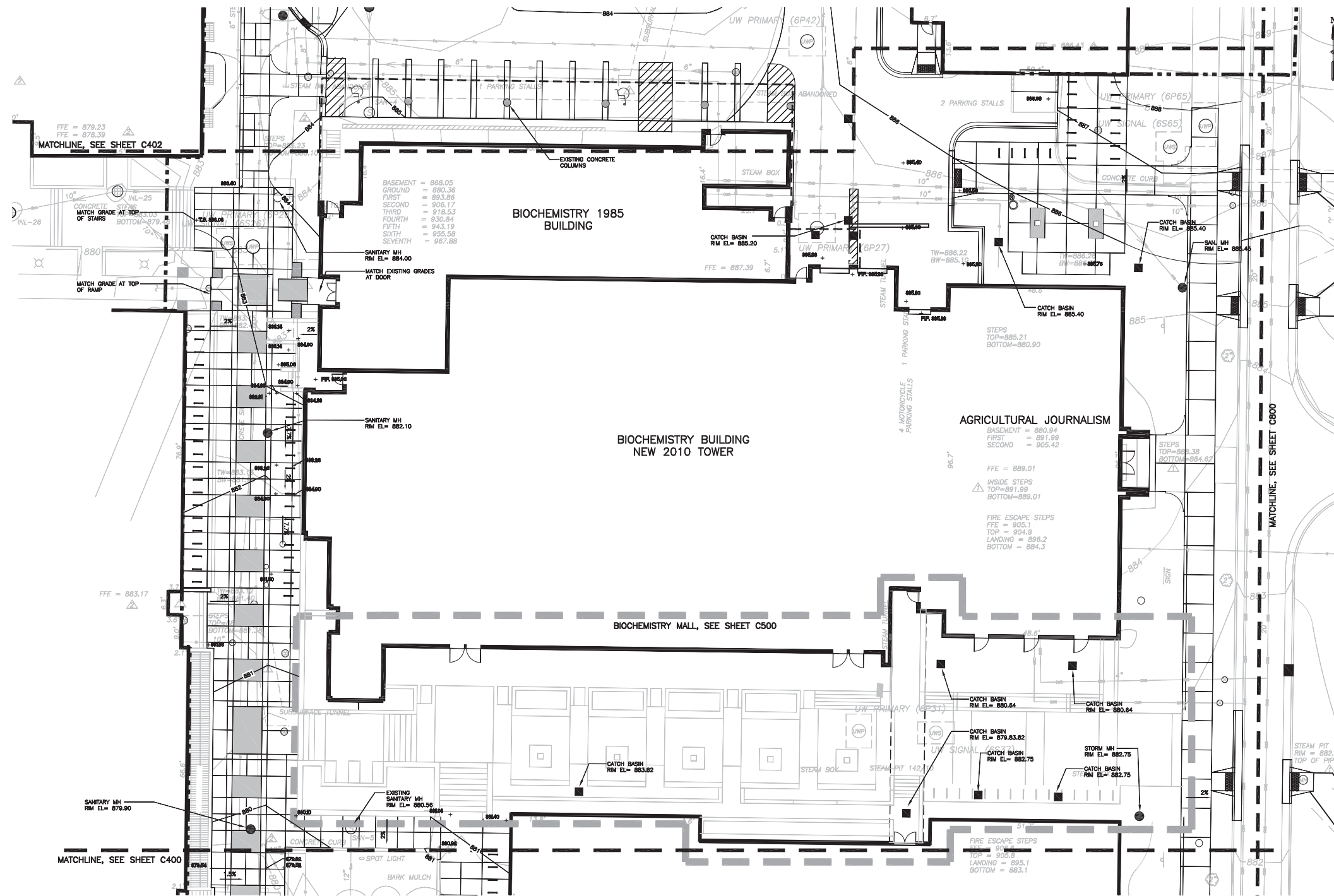
Aerial View of Existing Site From Southwest



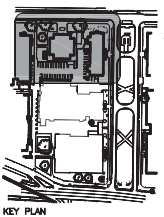
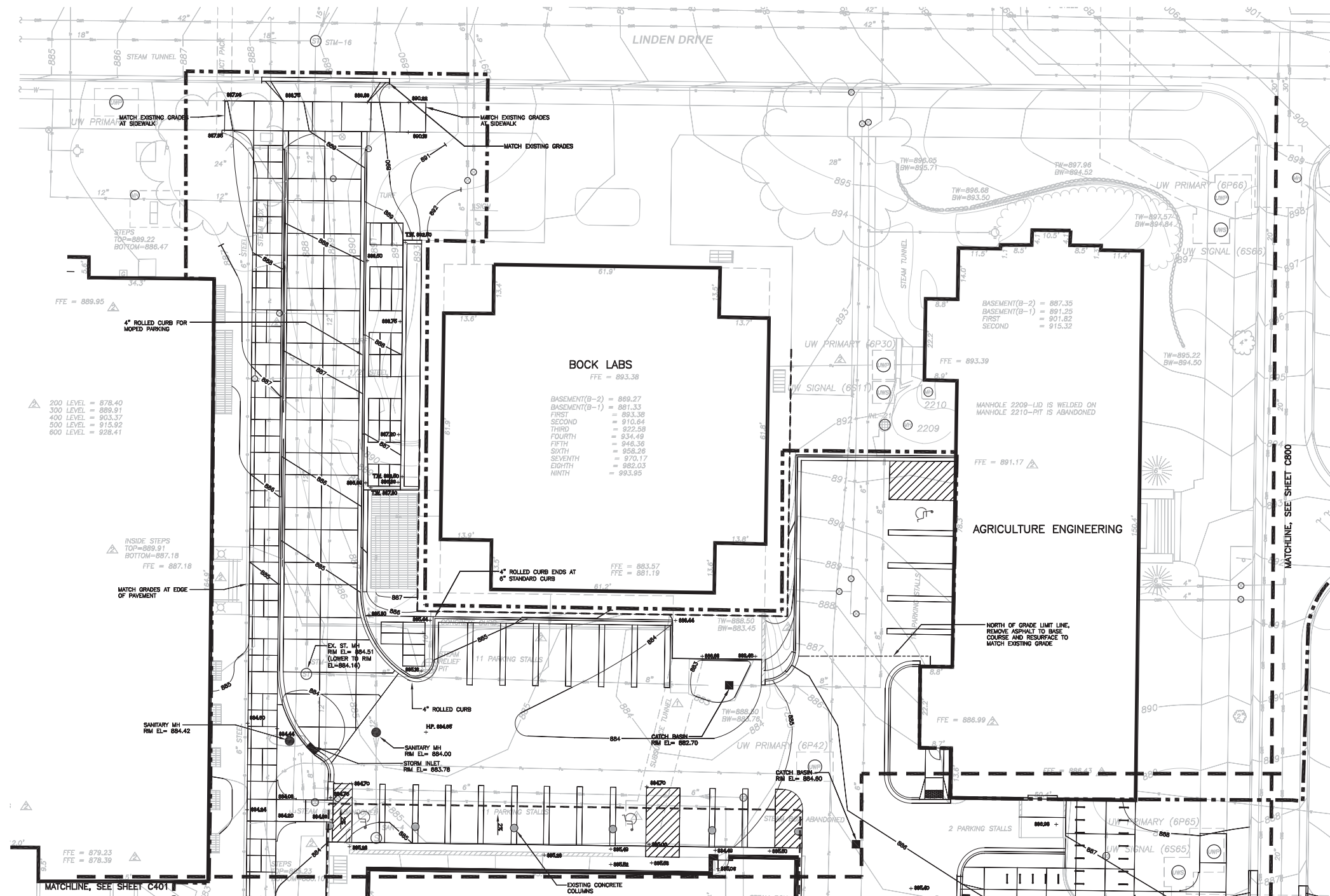
Proposed Site Development Plan



Grading Plan - South Layout



Grading Plan - Central Layout

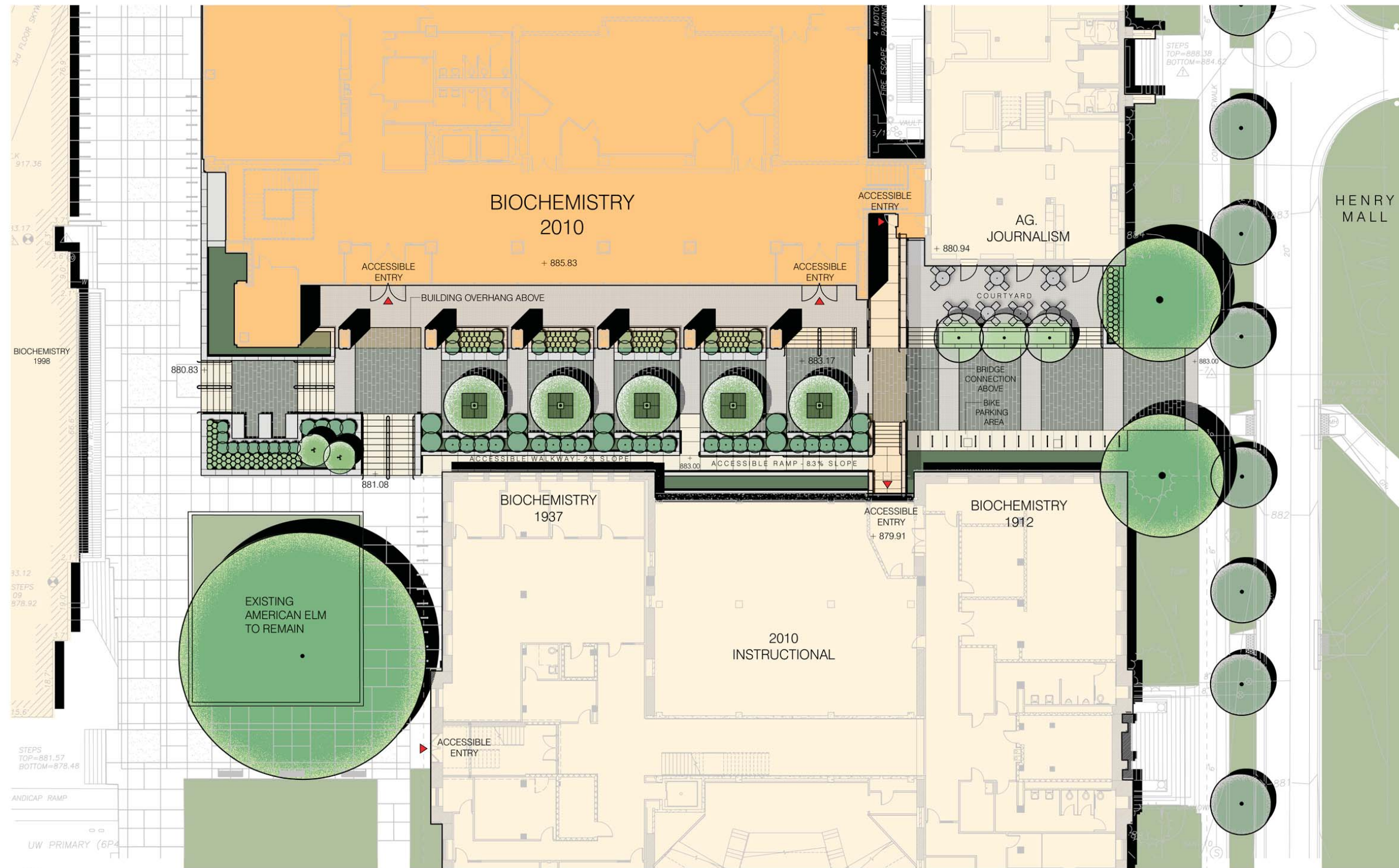


LEGEND

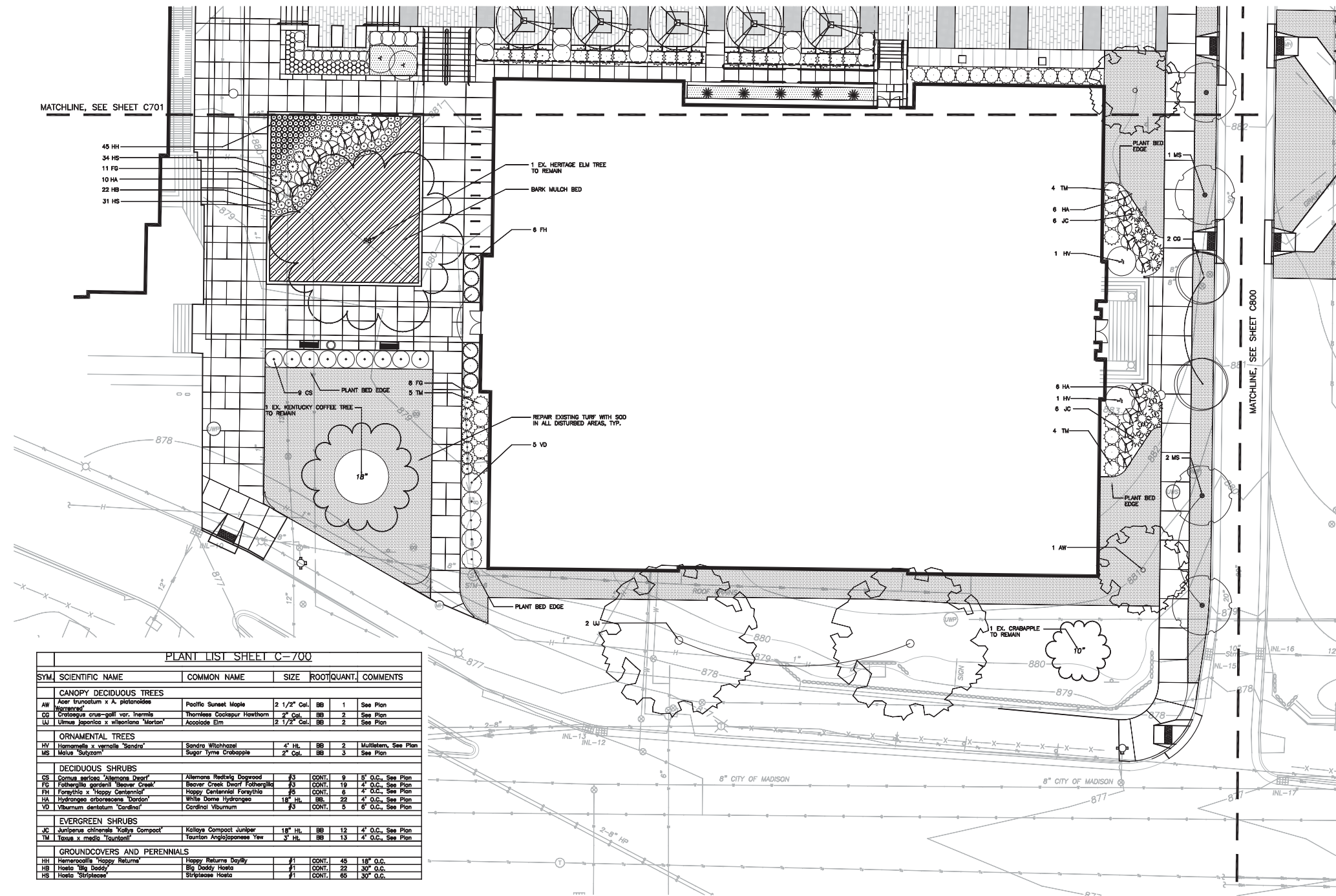
- PROJECT LIMIT BOUNDARY
- - - TEMPORARY PROJECT LIMIT BOUNDARY
- 885 EXISTING INDEX CONTOUR
- 885 EXISTING INTERMEDIATE CONTOUR
- 885 PROPOSED INDEX CONTOUR
- 885 PROPOSED INTERMEDIATE CONTOUR
- + 884.00 PROPOSED SPOT ELEVATION
- INLET OR CATCH BASIN
- MANHOLE

TO DETERMINE LOCATION OF PARTNERSHIP UNDERGROUND FACILITY REFER TO: 800 W. MICHIGAN CALL DESIGNER HOTLINE 1-800-242-8211 TOLL FREE. FAX A LICENSEd ARCHITECT TO: 1000 PENNINGTON AVENUE MADISON, WI 53706-1500. WE RESERVE THE RIGHT TO MAKE MODIFICATIONS TO ANY DESIGN WITHOUT NOTICE BEFORE YOU ENGAGE.

Grading Plan - North Layout

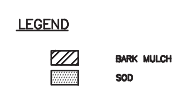
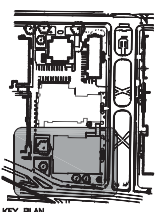


Enlarged Site Plan at Biochemistry Courtyard



PLANT LIST SHEET C-700

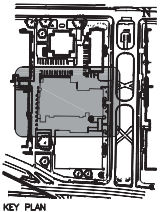
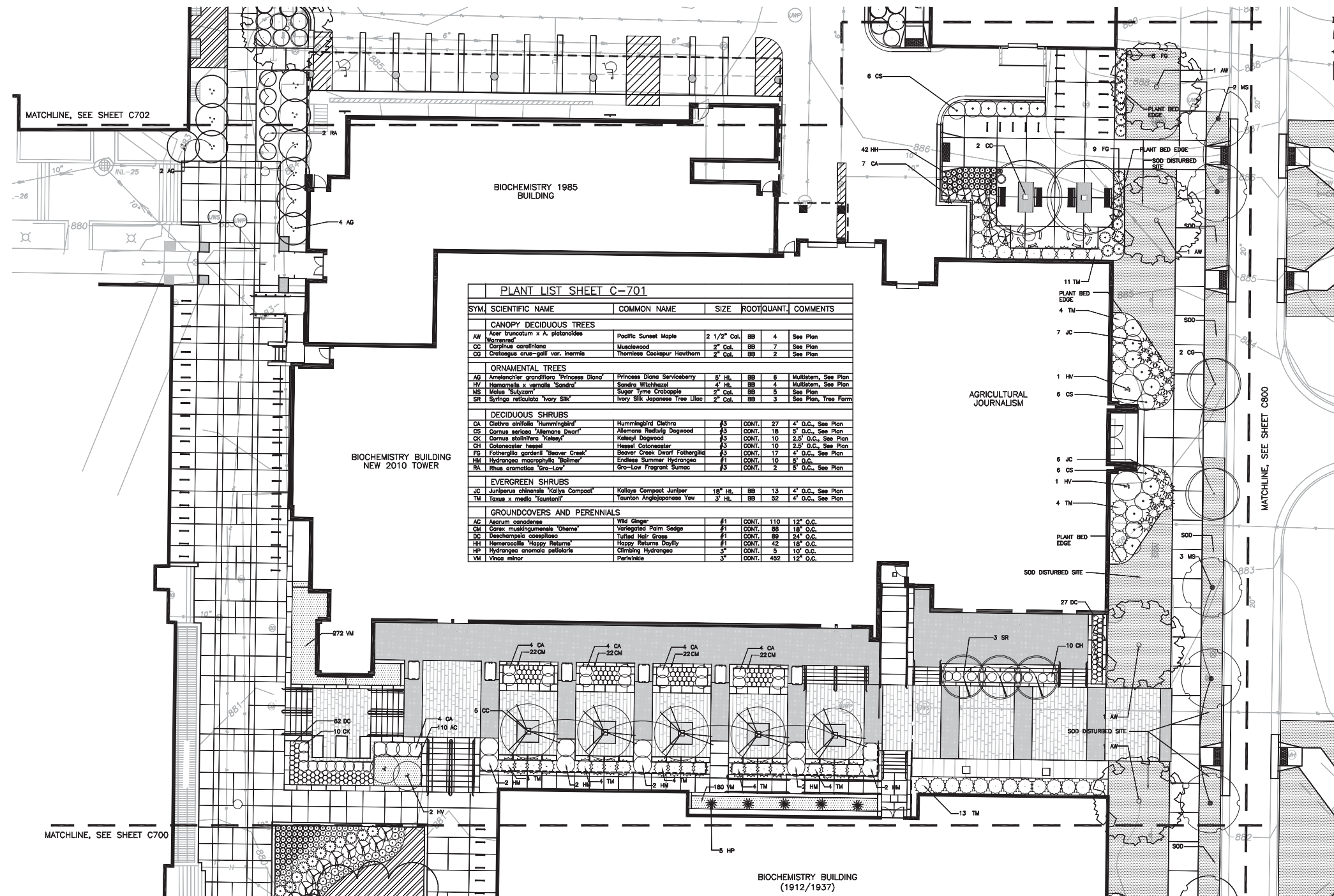
SYM.	SCIENTIFIC NAME	COMMON NAME	SIZE	ROOT	QUANT.	COMMENTS
CANOPY DECIDUOUS TREES						
AW	<i>Acer truncatum</i> x <i>A. platanoides</i> 'Winged'	Pacific Sunset Maple	2 1/2" Cal.	BB	1	See Plan
CS	<i>Corylus crum-galli</i> var. <i>inermis</i>	Thornless Cockspur Hawthorn	2" Cal.	BB	2	See Plan
WJ	<i>Ulmus japonica</i> x <i>americana</i> 'Marton'	Accolade Elm	2 1/2" Cal.	BB	2	See Plan
ORNAMENTAL TREES						
HV	<i>Hornemulla</i> x <i>vernalis</i> 'Sandra'	Sandra Witchhazel	4" Ht.	BB	2	Multistem, See Plan
MS	<i>Malus 'Subzam'</i>	Sugar Yume Crabapple	2" Cal.	BB	3	See Plan
DECIDUOUS SHRUBS						
CS	<i>Cornus sericea</i> 'Alicemore Dwarf'	Alicemore Redtwig Dogwood	#3	CONT.	9	5' O.C., See Plan
FD	<i>Fothergilla gardenii</i> 'Beaver Creek'	Beaver Creek Dwarf Fothergilla	#3	CONT.	19	4' O.C., See Plan
FH	<i>Forsythia</i> x 'Hoggy Centennial'	Hoggy Centennial Forsythia	#5	CONT.	8	4' O.C., See Plan
HA	<i>Hydrangea arborescens</i> 'Vaseon'	White Dome Hydrangea	18" Ht.	BB	22	4' O.C., See Plan
VD	<i>Viburnum dentatum</i> 'Cardinal'	Cardinal Viburnum	#3	CONT.	5	6' O.C., See Plan
EVERGREEN SHRUBS						
JC	<i>Juniperus chinensis</i> 'Kobay Compact'	Kobay Compact Juniper	18" Ht.	BB	12	4' O.C., See Plan
TM	<i>Taxus x media</i> 'Touartoni'	Touartoni Anglo-japanese Yew	3" Ht.	BB	13	4' O.C., See Plan
GROUNDCOVERS AND PERENNIALS						
HH	<i>Hemerocallis 'Hoggy Returns'</i>	Hoggy Returns Daylily	#1	CONT.	45	18" O.C.
HB	<i>Hosta 'Big Daddy'</i>	Big Daddy Hosta	#1	CONT.	22	30" O.C.
HS	<i>Hosta 'Striptease'</i>	Striptease Hosta	#1	CONT.	40	30" O.C.



- NOTES
- ALL AREAS DISTURBED ON SITE NOT OTHERWISE DESIGNATED AS PLANTING BEDS SHALL RECEIVE MIN. 6" TOP SOIL, MULCH, AND TURF GRASS SEED.
 - ALL PLANTING BEDS SHALL RECEIVE 2" OF SHREDDED HARDWOOD BARK MULCH.
 - SEE SHEET C-703 FOR PLANTING DETAILS.
 - PLANT LIST C-700 IS SPECIFIC TO THIS SHEET, SEE SHEET C-703 FOR MASTER PLANT LIST WITH TOTAL PLANT QUANTITIES.



Landscape Plan - South Layout

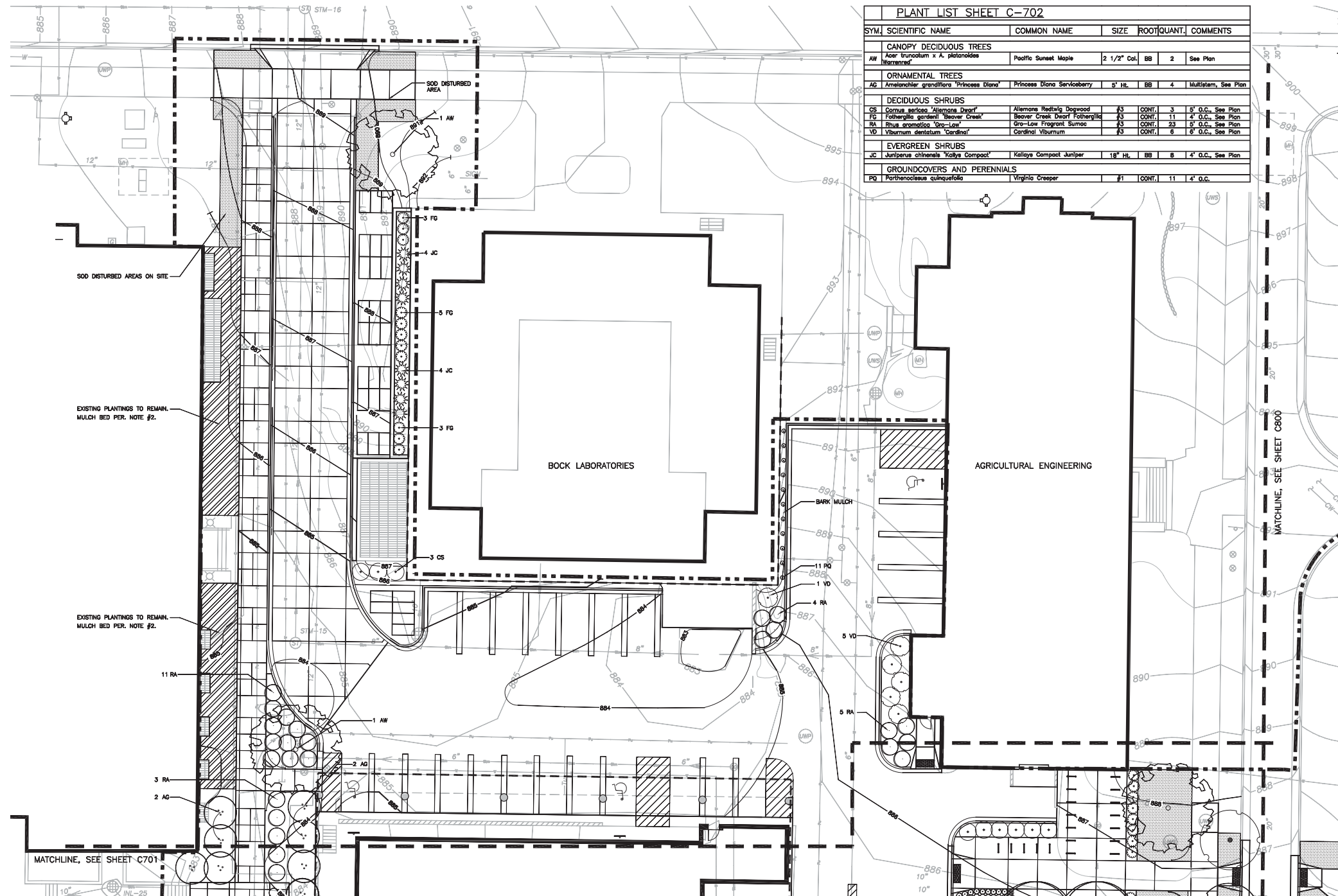


LEGEND
 BARK MULCH
 SOD

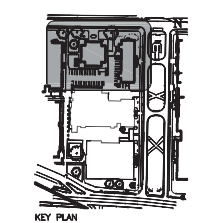
- NOTES**
- ALL AREAS DISTURBED ON SITE NOT OTHERWISE DESIGNATED AS PLANTING BEDS SHALL RECEIVE MIN. 6" TOP SOIL, MULCH, AND TURF GRASS SEED.
 - ALL PLANTING BEDS SHALL RECEIVE 2" OF SHREDDED HARDWOOD BARK MULCH.
 - SEE SHEET C-703 FOR PLANTING DETAILS.
 - PLANT LIST C-701 IS SPECIFIC TO THIS SHEET, SEE SHEET C-703 FOR MASTER PLANT LIST WITH TOTAL PLANT QUANTITIES.



Landscape Plan - Central Layout



PLANT LIST SHEET C-702					
SYM	SCIENTIFIC NAME	COMMON NAME	SIZE	ROOTQUANT.	COMMENTS
CANOPY DECIDUOUS TREES					
AW	Acer fraxinifolium x A. platanoides 'Innocent'	Pacific Sunset Maple	2 1/2" Cal.	BB	2 See Plan
ORNAMENTAL TREES					
AG	Amelanchier grandiflora 'Princess Diana'	Princess Diana Serviceberry	5" Ht.	BB	4 Multistem, See Plan
DECIDUOUS SHRUBS					
CS	Cornus sericea 'Albiflora Dwarf'	Allegheny Redtwig Dogwood	3/8"	CONT.	3 5' O.C., See Plan
FC	Fothergilla gardenii 'Beaver Creek'	Beaver Creek Dwarf Fothergilla	3/8"	CONT.	11 4' O.C., See Plan
RA	Rhus aromatica 'Gro-Low'	Gro-Low Fragrant Sumac	3/8"	CONT.	23 3' O.C., See Plan
VD	Viburnum dentatum 'Cardinal'	Cardinal Viburnum	3/8"	CONT.	8 6' O.C., See Plan
EVERGREEN SHRUBS					
JC	Juniperus chinensis 'Kilgry Compact'	Kilgry Compact Juniper	18" Ht.	BB	8 4' O.C., See Plan
GROUNDCOVERS AND PERENNIALS					
PG	Parthenocissus quinquefolia	Virginia Creeper	#1	CONT.	11 4' O.C.



LEGEND

- PROJECT LIMIT BOUNDARY
- - - TEMPORARY PROJECT LIMIT BOUNDARY
- ▨ BARK MULCH
- SOD

- NOTES**
- ALL AREAS DISTURBED ON SITE NOT OTHERWISE DESIGNATED AS PLANTING BEDS SHALL RECEIVE MIN. 6" TOP SOIL, MULCH, AND TURF GRASS SEED.
 - ALL PLANTING BEDS SHALL RECEIVE 2" OF SHREDDED HARDWOOD BARK MULCH.
 - SEE SHEET C-703 FOR PLANTING DETAILS.
 - PLANT LIST C-702 IS SPECIFIC TO THIS SHEET, SEE SHEET C-703 FOR MASTER PLANT LIST WITH TOTAL PLANT QUANTITIES.



Landscape Plan - North Layout



East Elevation - Henry Mall



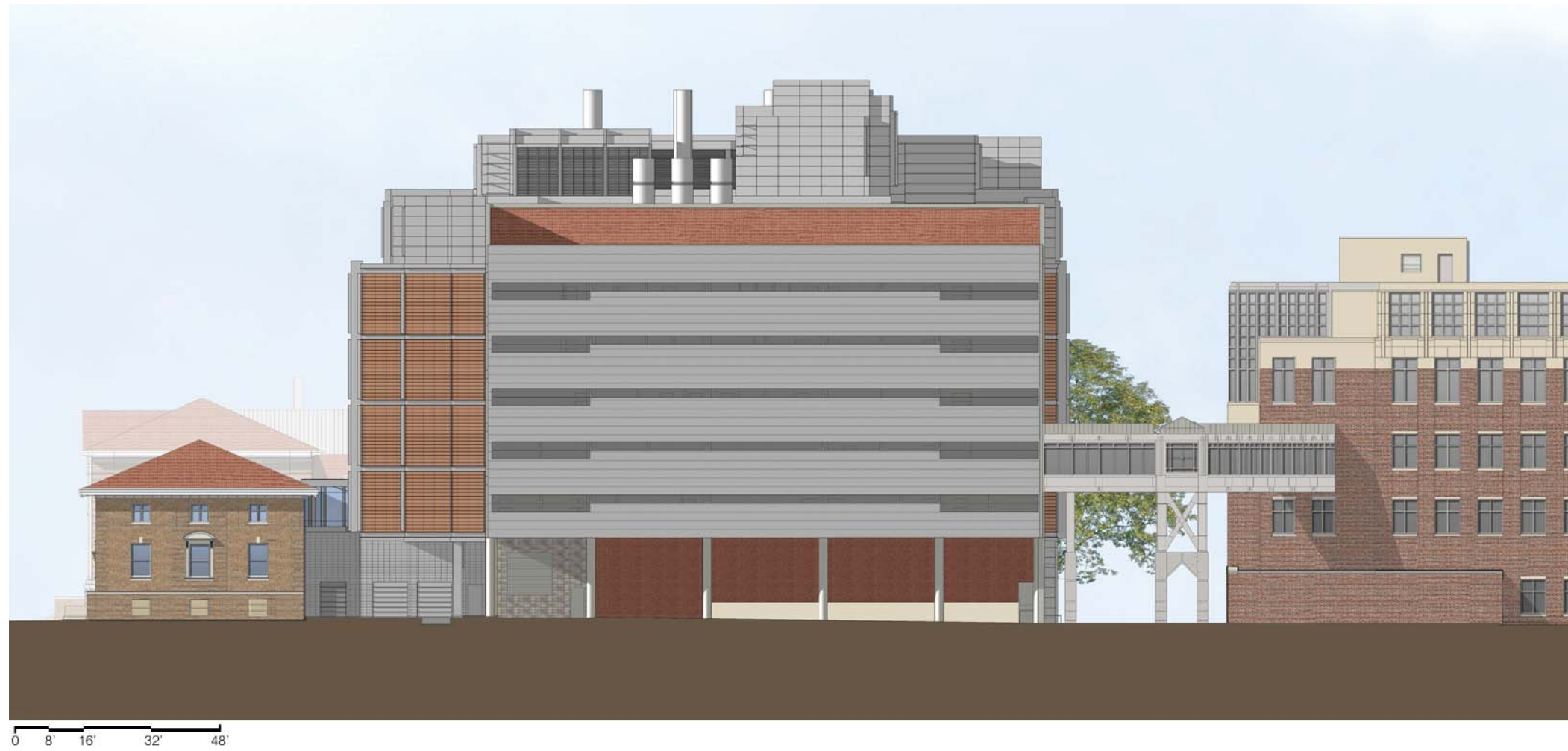
South Elevation - University Avenue



South Elevation - Research Tower



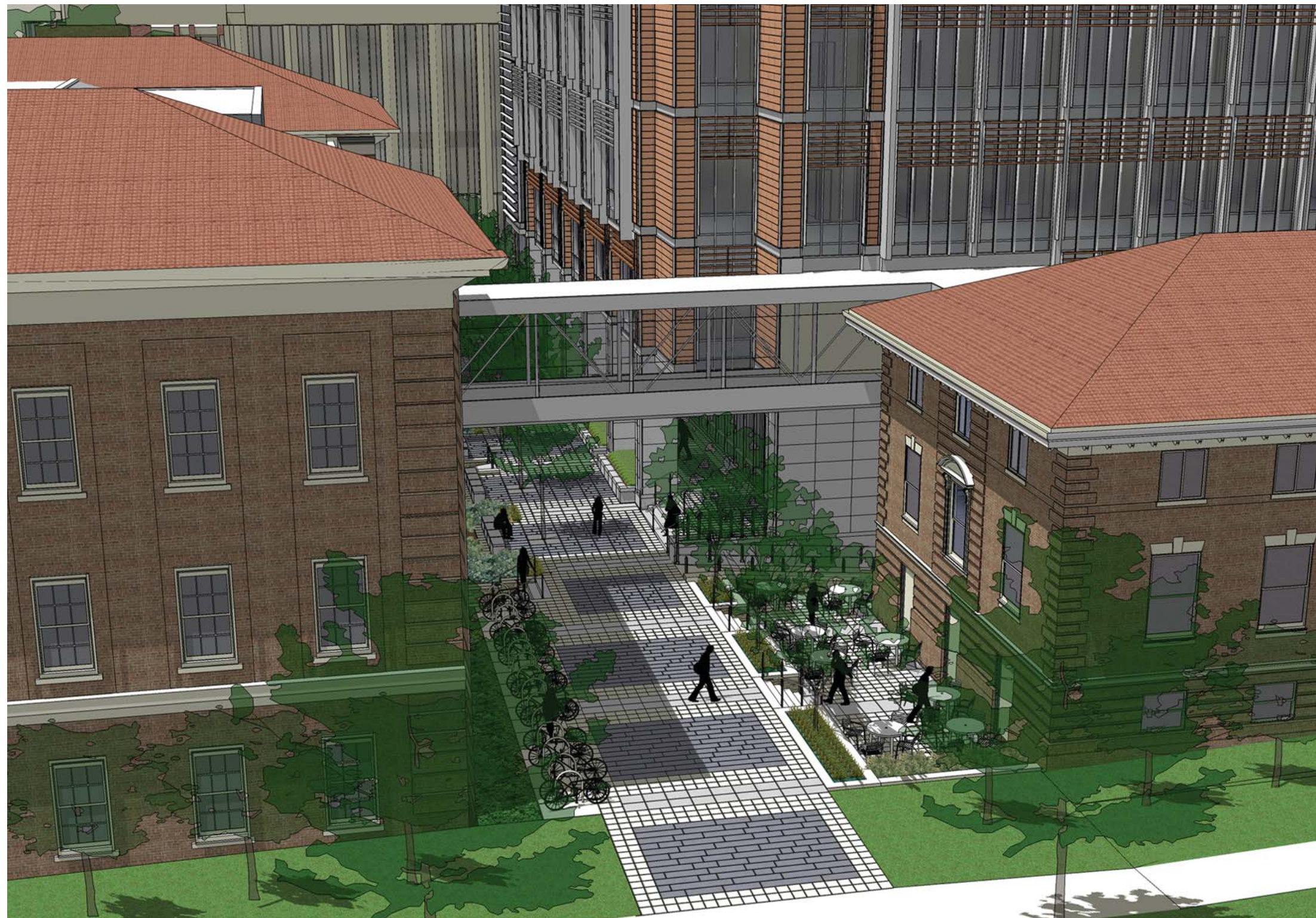
West Elevation



North Elevation



North Elevation - Biochemistry 1912,1937 & New Auditorium



Proposed Biochemistry Plaza and Cafe - East View



Proposed Biochemistry Plaza - Henry Mall View



Proposed Biochemistry Mall - East View



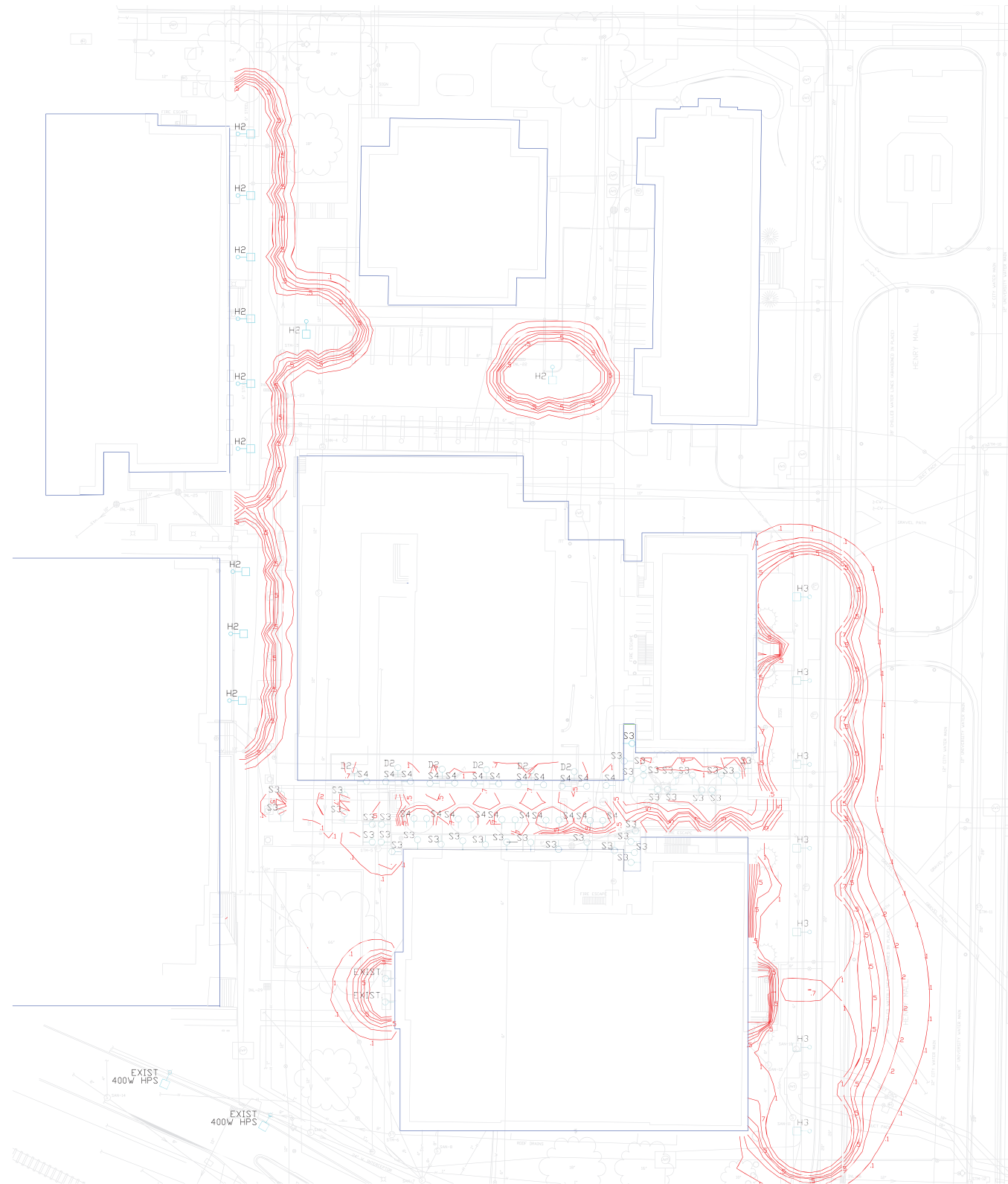
Proposed Biochemistry Plaza and Courtyard



Proposed Biochemistry Courtyard - West View

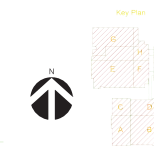


Proposed Biochemistry Courtyard - Southwest View



General Notes:
1. ALL FOOTCANDLE LEVELS ARE AT 5'-0" ABOVE GRADE.

1 Lighting Calculations Plan
SCALE: 1" = 20'



Lighting Calculations Plan

Site Lighting Fixture Schedule:

Type	Description	No. of Lamps	Type of Lamps	Watts per Lamp	Volts	Lens Type	Mounting	Mounting	Manufacturer	Catalog Numl
							Type	Height		
C4	7" round single horizontal lamp downlight with softglow clear alzak cone, prism lens.	1	CFTR32W/GX24Q/835	32	277	ALZAK CONE PRISM	RECESSED		KURT VERSEN	P931-SC
D4	Wall mounted cylinder with ceramic metal halide up/down light. 40 deg beam spread refl. Remote ballast. *Custom color.	2	GE-CMH-MR16-20W 4200 KELVIN	20	277	OPEN	WALL		ARCHITECTURAL LIGHTING WORKS	CAS-20-*RAL-
H1	6" square bollard with extruded aluminum posts; die-cast lamp compartment. Color selection by Arch.	1	CDM39/T4 G8.5 MH BASE 4200 KELVIN	39	277	CLEAR TEMPERED GLASS	BOLLARD		BEGA	8645MH-895A-custom-one lens off.
H2	Cut off site lighting luminaire mounted on 12' pole.	1		100			POLE		Kim	
H3	UW Campus historical lighting standard. Mounted on 12' pole.	1	MS-805-B	100			POLE		STERNBERG LTG	
S3	12" x 3" LED step light with stainless steel housing. Mounted 1'-6" Above finished walkway.		LED	8	120		WALL		BEGA	2032LED
S4	9" round LED accent light with stainless steel housing, white opal lens. Mount 2'-0" above finished walkway.		LED	9	120		WALL		BEGA	2310LED

Site Lighting Fixtures and Photometrics:



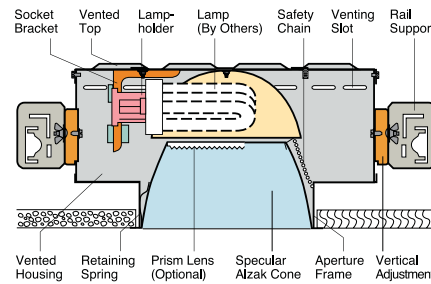
University of Wisconsin Biochemistry II
06381-00
Urban Design Commission

Type: **C4**
December 5, 2007



University of Wisconsin Biochemistry II
06381-00
Urban Design Commission

Type: **C4**
December 5, 2007



P931 One 26-32W Triple Tube Lamp
P932 One 42W Triple Tube Lamp

P55

Medium Wide Beam
7 1/4" Conoid Apertures

Optics and Applications
Ellipsoidal primary reflectors and parabolic shielding cones produce classic symmetrical patterns for general use in corridors, open areas and transient spaces. Recess depths are shallow for limited plenums. Use in medium ceiling heights. Spacing to mounting height ratio is 1 to 1.2.

Design Features
Construction allows easy access to all components. Air flow design lowers fixture temperature for optimal lamp performance. Steel housings protect the reflectors and assures their proper relationship. Maximum ceiling thickness 2". Ballast and lamp service from below.

Finish
Specular clear Alzak cones are standard. Optional colors and Softglow® finishes are available. Housings and structural parts are painted optical matte black to suppress stray light leaks. Steel parts are phosphate conditioned for corrosion resistance before painting.

Ballasts
Fully electronic, microprocessor controlled with variable starting current for inrush protection to assure rated lamp life. Input voltage ranges from 120V through 277V. Operates multiple wattage interchangeably. Power factor .98, starting temperature 0° F (-18° C), THD < 10%. Pre-heat start < 1.0 second. End of lamp life protection. Rated for > 50,000 starts.

General
Fixtures are pre-wired, UL and C-UL listed for eight wire 75°C branch circuit wiring. Union made IBEW. Luminaire Efficiency Rating (LER) data is in the photometric directory located in Section Z.

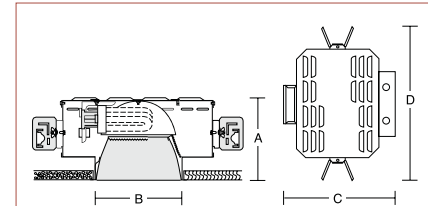
Accessories
F Fuse. R2 26" support rails.
G Gold cone. R5 52" support rails.
H Mocha cone. WT White trim flange.
P Graphite cone. WHT White complete trim.
T Titanium cone. V347 347 volt ballast.
W Wheat cone. LS Lamp shield, acrylic.
Y Pewter cone. LP Prism lens, acrylic.
Z Bronze cone.
S Softglow® finishes: add S before color letters. e.g. SW for Softglow® wheat cone, SC for Softglow® clear cone.

DM Dimming ballast. Specify watts and volts.
EM Emergency power includes integral charger light and test switch visible through aperture. Single lamp operation for 90 minutes. Specify volts.
WRL Wattage restriction label, specify wattage.

Matching Units
Medium narrow beam Page P53
Sloped ceilings Page P54
Surface mount Pages P41, P42
Wall washers Pages P64, P65, P66



Dimensions and Lamps



Number	A Depth	B Aperture	C Width	D Length	Lamps
P931	7 1/4" 191mm	7 1/4" 184mm	13 1/4" 343mm	19" 483mm	26-32W Triple Tube
P932	7 1/4" 191mm	7 1/4" 184mm	13 1/2" 343mm	19" 483mm	42W Triple Tube

Brightness

Number	Lamps	Plane	85°	75°	65°	55°	45°
P931	One 32W Philips Triple Tube	0°	11	32	58	4624	16126
	One 32W Osram Sylvania Triple Tube	90°	10	30	53	10343	14362
	One 32W Osram Sylvania Triple Tube	0°	6	18	37	2206	12342
P932	One 42W Philips Triple Tube	0°	16	47	83	4878	16526
	One 42W Philips Triple Tube	90°	14	36	71	13192	16845
	One 42W Osram Sylvania Triple Tube	0°	14	44	69	2615	14563
	One 42W Osram Sylvania Triple Tube	90°	12	31	53	11119	18113

Data in footcandle, Photometer readings, Maximum Brightness Method. See note 7 on the other side.



Photometric Report (Type C)

Filename: GE177303.IES
[TEST] 85042305 PUBLISHED CURVE CREATED
[MANUFAC] GE C&I, LIGHTING SYSTEMS - EAST FLAT ROCK, NC, USA
[LUMCAT] M2AC25S_GMC2
[LUMINAIRE] M-250A2 POWR DOOR CUTOFF
[LAMP] GE LU250
[LAMP] 1; 250W HPS, CLEAR ED18, HORZ

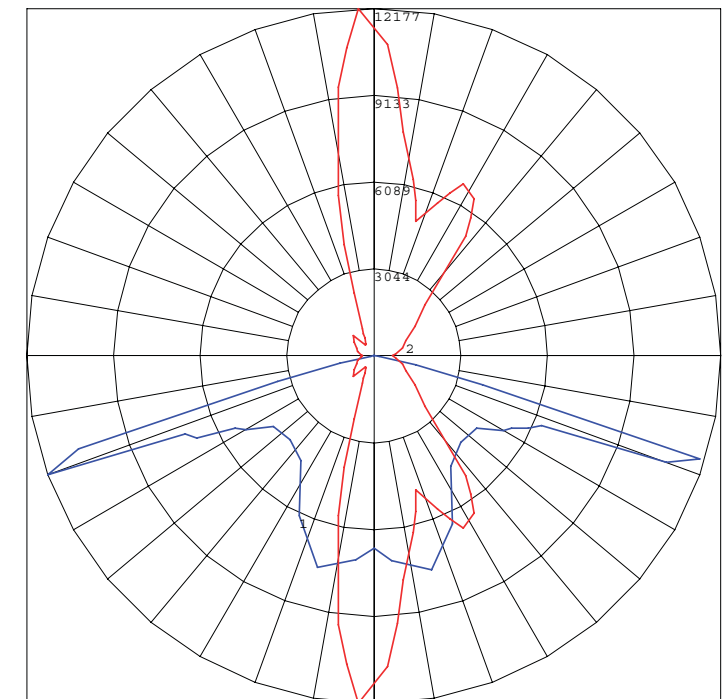
Maximum Candela = 12177.2001953125 at 92.5 H 70 V

Classification:

Road Classification: Type III, Medium, Full Cutoff
Indoor Classification: Direct

Polar Candela Curves:

Vertical Plane Through:
1) 92.5 - 272.5 Horizontal
Horizontal Cone Through:
2) 70 Vertical



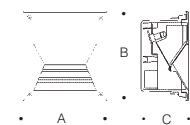


University of Wisconsin Biochemistry II **Type: D2**
06381-00
Urban Design Commission December 5, 2007

Recessed wall luminaires with asymmetrical distribution

Housing: Die cast aluminum with integral wiring compartment.
Enclosure: One piece die cast aluminum faceplate with stepped baffle, 3/16" thick, clear tempered glass. Faceplate is secured by four (4) flush socket head stainless steel captive screws threaded into stainless steel inserts in the housing casting. Continuous high temperature O-ring gasket for weather tight operation.
Electrical: H.I.D.; Lampholder: Single ended porcelain G12 bi-pin with nickel plated contacts supplied with 180°C high temperature leads, rated 600V pulse rated 5KV. Ballasts: Magnetic HPF. Available in 120V or 277V - specify.
Through Wiring: Maximum of four (4) No. 12 AWG conductors (plus ground) suitable for 90°C. Two 7/8" knockouts provided for 1/2" conduit.
Finish: These luminaires are available in five standard BEGA colors: Black (BLK); White (WHT); Bronze (BRZ); Silver (SLV); Eurocoat™ (URO). To specify, add appropriate suffix to catalog number. For complete description of BEGA finishing process, refer to technical information section at end of catalog. Custom colors supplied on special order.
U.L. listed, suitable for wet locations and for installation within 3 feet of ground. Suitable for all types of construction including poured concrete. Type non-IC. Protection class: IP 65.

Type:
BEGA Product #:
Project:
Voltage:
Color:
Options:
Modified: **Luminaire to be mounted upside down, under building canopy, facing toward building. Recessed in to face of column.**



Die cast aluminum faceplate with step baffle. Clear tempered glass. Full internal reflector for asymmetrical distribution. Flush stainless steel fasteners. U.L. listed, suitable for wet locations. IP 65. Color: Standard BEGA finishes.



Lamp	Lumen	A	B	C
3042MH Recessed ADA 1 39W T6 G12 MH	3300	9%	9%	5%
524 CPC, Concrete Protection Cover				

BEGA/US 1000 BEGA Way, Carpinteria, CA 93013 [P] 805-684-0533 [F] 805-684-6682
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University of Wisconsin Biochemistry II **Type: D2**
06381-00
Urban Design Commission December 5, 2007

Photometric Report (Type C)

Filename: 3042MH.IES
[TEST] BE2119
[ISSUEDATE] 07-28-00
[MANUFAC] BEGA-US
[LUMCAT] 3042MH
[LUMINAIRE] RECESSED WALL LUMINAIRE WITH STEPPED BAFFLE AND ASYMMETRICAL REFLECTOR
[LAMP] (1) 39W T6 G12 MH

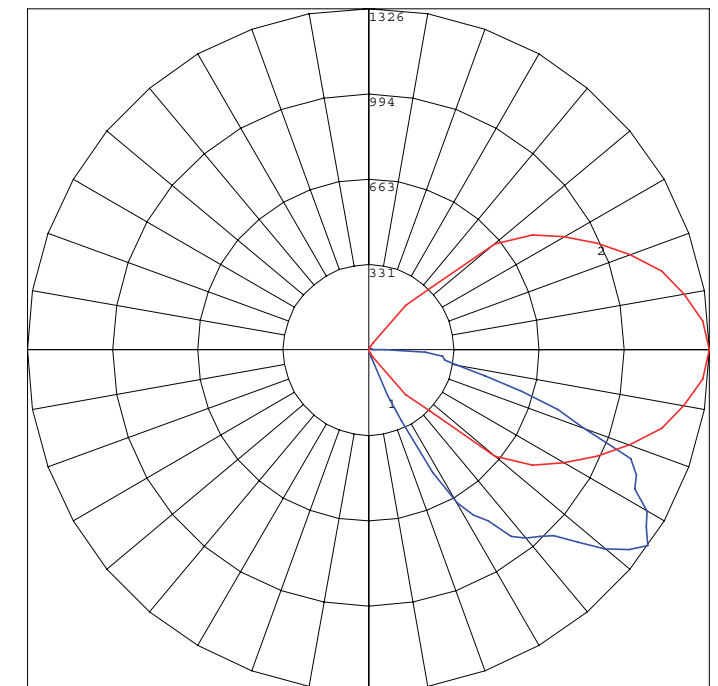
Maximum Candela = 1325.93998084068 at 0 H 55 V

Classification:

Road Classification: Type IV, Very Short, Semi-Cutoff
Indoor Classification: Direct

Polar Candela Curves:

Vertical Plane Through:
1) 0 - 180 Horizontal
Horizontal Cone Through:
2) 55 Vertical





University of Wisconsin Biochemistry II
06381-00
Urban Design Commission

Type: **D4**
December 5, 2007



CAS

The CAS INDOOR/OUTDOOR WALL LIGHT is a versatile wall light that can be used in both dry and wet locations.

Made from machined aluminum with sleek lines and finely detailed finishing. Gasketed top and bottom lamp housing allows for easy relamping.

Low profile, machined canopy. Wall Light is ADA compliant with remote ballast or transformer.

Choice of Low Voltage MR16 or Ceramic Metal Halide GE Brightspot lamping. Integral Sand Blasted and etched lenses are included.

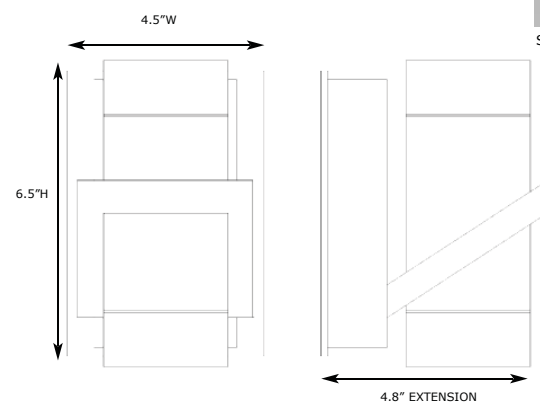
Standard aluminum finish. Finish can be powder-coated to the RAL color of your choice. Optional solid brass version is plated Antique Bronze (allow 8 weeks delivery).

Consult factory for custom configurations and wiring options.

For Photometric Information
www.archltgworks.com



SHOWN: CAS - 35 - AL - 120



STYLE	LAMP WATTAGE	FINISH	VOLTAGE
CAS	MR16 2 X 35 WATTS	AL ALUMINUM	120 277 347
	20 2 X 20 WATTS	AB ANTIQUE BRONZE	
		RAL SPECIFY POWDER COAT COLOR	

- 2 X LOW VOLTAGE MR16 HALOGEN LAMP
35W MAX
- OR
- 2 X GE-CMH-MR16
20 WATT CERAMIC METAL HALIDE LAMP WITH INTEGRAL REFLECTOR AVAILABLE IN 12°, 25° AND 40° BEAM SPREAD
(REMOTE BALLAST ONLY)



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06381-00
Urban Design Commission

Type: **D4**
December 5, 2007

Photometric Report (Type C)

Filename: 20W 36deg Flood.IES
[TEST] LLI 0707-13E
[ISSUEDATE] 7_26_2007
[MANUFAC] USHIO
[LUMCAT] BAB_FG_ULTRA TITAN
[LUMINAIRE] 1-15_16_DIA_X 1-1_2_H_ULTRALINE TITAN MR-16 LAMP 12V, 20W, FL36
[LAMP CAT] USHIO BAB_FG_ULTRA TITAN JR12V-20W_FL36_ULTRA

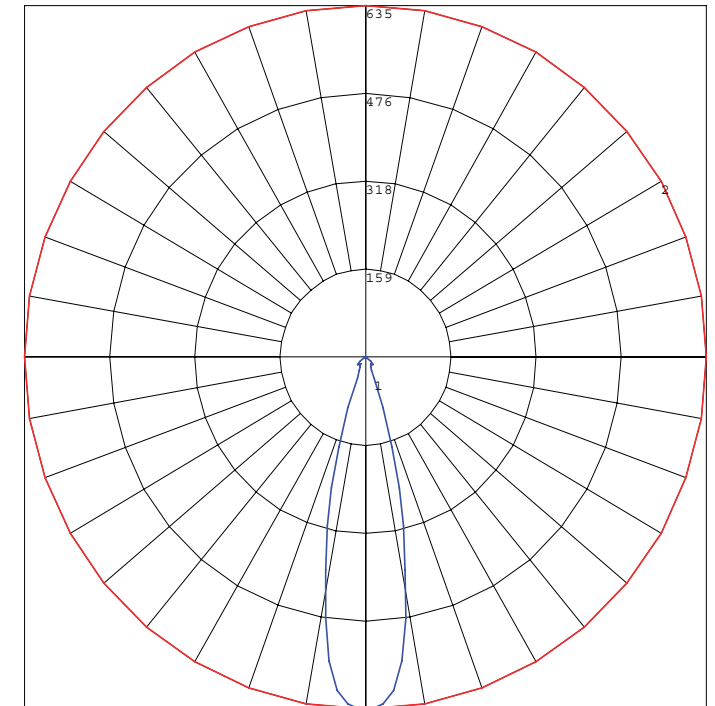
Maximum Candela = 635 at 0 H 0 V

Classification:

Road Classification: Type V, Very Short, N.A.

Polar Candela Curves:

- Vertical Plane Through:
 - 1) 0 - 180 Horizontal
- Horizontal Cone Through:
 - 2) 0 Vertical



Linear post bollard

Post Construction: Made from four, square, aluminum extrusions mechanically fastened to a one piece die cast splice compartment (bottom) and a one piece die cast lamp housing (top). All of the aluminum is marine grade and copper free.

Enclosure: One piece die cast aluminum lamp housing. Clear, molded, tempered glass 3/4" thick extends below lamp housing to increase light spread. Lamp housing secured with 2 stainless steel, captive fasteners. Fully gasketed using a one piece, molded, high temperature silicone gasket for weather tight operation. Reflector made from pure, anodized aluminum.

Electrical: Lampholders: Single ended porcelain bi-pin lamp holder with nickel plated copper contacts for G8.5 base, T4 metal halide lamps. Ballasts are electronic, 120 or 277 volts - specify. The ballast is located in the lamp housing.

Anchore Base: Heavy die cast aluminum, slotted for precise alignment. Bollard secures to base with 1 stainless steel set screw. Mounts to BEGA 895A anchorage kit (supplied).

Finish: These luminaires are available in five standard BEGA colors: Black (BLK), White (WHT), Bronze (BRZ), Silver (SLV), Eurocoat (URO). To specify, add appropriate suffix to catalog number. For complete description of BEGA finishing process, refer to technical information section at end of the catalog. Custom colors supplied on special order.

U.L. listed, suitable for wet locations. Protection class IP65.

Type:
 BEGA Product #:
 Project:
 Voltage:
 Color:
 Options:
 Modified:

Photometric Report (Type C)

Filename: H1 Bega 8645MH.ies
 [TEST] BE4515
 [ISSUEDATE] 08-15-06
 [MANUFAC] BEGA-US
 [LUMCAT] 8645MH
 [LUMINAIRE] SQUARE BOLLARD
 [LAMPCAT] (1) 39W T4 G8_5 MH

Maximum Candela = 697 at 0 H 12.5 V

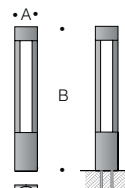
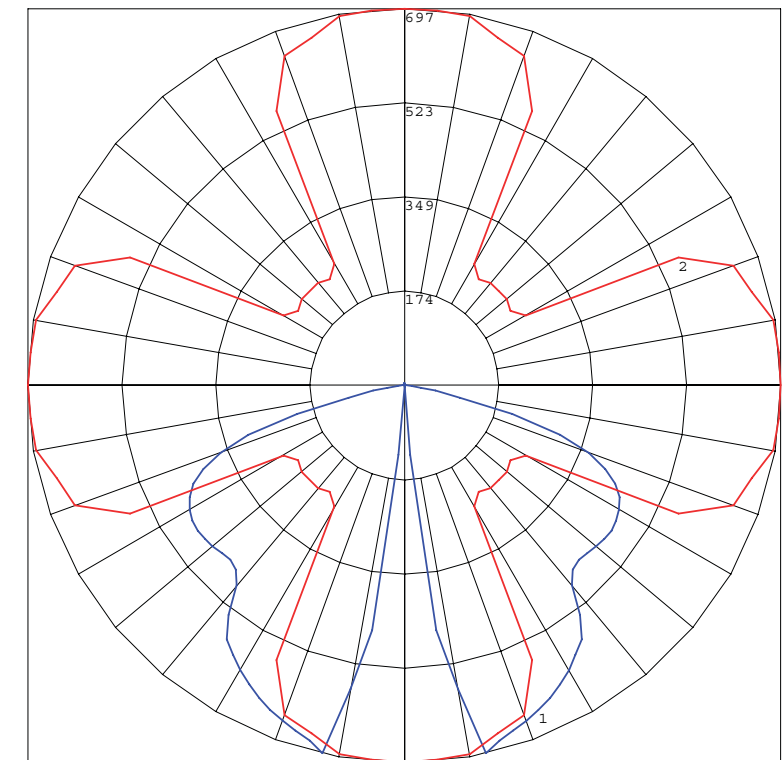
Classification:

Road Classification: Type V, Very Short, Cutoff
 Indoor Classification: Direct

Polar Candela Curves:

Vertical Plane Through:
 1) 0 - 180 Horizontal

Horizontal Cone Through:
 2) 12.5 Vertical



Bollards with extruded aluminum posts with die cast lamp and splice compartments. Clear lens and anodized aluminum reflector. U.L. listed, suitable for wet locations. IP 65. Color: Standard BEGA finishes.



	Lamp	Lumen	A	B
8645MH	1 39W T4 G8.5MH	3300	6 5/16	39 3/8
895A	Anchorage - included			

BEGA/US
 1000 BEGA Way, Carpinteria, CA 93013 [P] 805-684-0533 [F] 805-566-9474
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Type: **H2**
December 5, 2007



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06381-00
Urban Design Commission
Type: **H2**
December 5, 2007

Ordering Information
The Small Archetype®



Ordering Example:
For Standard Fixture and Pole
1 2 3 4 5-11 12 13
1SA/SAR2/175MH120/BLP/A-30/PSA16-4126SA/BLP/VSF-1SA
See separate Kim Pole Catalog.
Omit for 1W Wall Mount.

<p>1 Mounting: 38V configuration is available for round poles only.</p> <p>2 Fixture: Cat. No. designates SAR fixture and light distribution.</p> <p>See the Kim Site/Roadway Catalog for complete fixture design and application.</p>	<p>Plan View:</p> <p>EPA: 0.7 1.4 1.2 1.9 2.5 n/a Cat. No.: 1SA 288 28L 38T 38Y 48C 1W</p> <p>Horizontal Lamp</p> <p>PH Lens</p> <p>Light Distribution:</p> <p>Cat. No.:</p> <table border="1"> <tr> <td>70MH120</td><td>100MH120</td><td>150MH120</td><td>175MH120</td></tr> <tr> <td>70HP1240</td><td>100HP1240</td><td>150HP1240</td><td>175HP1240</td></tr> <tr> <td>70HP1277</td><td>100HP1277</td><td>150HP1277</td><td>175HP1277</td></tr> <tr> <td>70MH130</td><td>100MH130</td><td>150MH130</td><td>175MH130</td></tr> <tr> <td>70HP130</td><td>100HP130</td><td>150HP130</td><td>175HP130</td></tr> <tr> <td>70MH127</td><td>100MH127</td><td>150MH127</td><td>175MH127</td></tr> <tr> <td>70MH147</td><td>100MH147</td><td>150MH147</td><td>175MH147</td></tr> </table>	70MH120	100MH120	150MH120	175MH120	70HP1240	100HP1240	150HP1240	175HP1240	70HP1277	100HP1277	150HP1277	175HP1277	70MH130	100MH130	150MH130	175MH130	70HP130	100HP130	150HP130	175HP130	70MH127	100MH127	150MH127	175MH127	70MH147	100MH147	150MH147	175MH147	<p>Options:</p> <p>12 13</p> <p>See separate Kim Pole Catalog.</p>	<p>VF Option</p> <p>VSF-1SA</p>
70MH120	100MH120	150MH120	175MH120																												
70HP1240	100HP1240	150HP1240	175HP1240																												
70HP1277	100HP1277	150HP1277	175HP1277																												
70MH130	100MH130	150MH130	175MH130																												
70HP130	100HP130	150HP130	175HP130																												
70MH127	100MH127	150MH127	175MH127																												
70MH147	100MH147	150MH147	175MH147																												
<p>3 Electrical Module: HPS = High Pressure Sodium MH = Metal Halide</p>	<p>Color: Black DB-P Light Gray L-G-P Platinum Silver White CC-P</p> <p>Cat. No.: BLP DB-P L-G-P PS-P WH-P</p>	<p>Options:</p> <p>12 13</p> <p>See separate Kim Pole Catalog.</p>	<p>VF Option</p> <p>VSF-1SA</p>																												
<p>4 Finish: Super TSC powder coat paint for aluminum conversion coating.</p>	<p>Color: Black DB-P Light Gray L-G-P Platinum Silver White CC-P</p> <p>Cat. No.: BLP DB-P L-G-P PS-P WH-P</p>	<p>Options:</p> <p>12 13</p> <p>See separate Kim Pole Catalog.</p>	<p>VF Option</p> <p>VSF-1SA</p>																												
<p>5 Optional Photocell Control: Not available for 1W Wall Mount.</p>	<p>Cat. No. and Line VOLT:</p> <p>A-30 120V A-31 208V A-32 240V A-33 277V A-34 347V</p> <p>Mounting Configuration: # = Fixture with Photocell S = (Screw units) No fixture wattage limit.</p>	<p>Options:</p> <p>12 13</p> <p>See separate Kim Pole Catalog.</p>	<p>VF Option</p> <p>VSF-1SA</p>																												
<p>6 Optional Convex Glass Lens:</p>	<p>Cat. No.: CDL</p> <p>Tempered convex glass lens replaces standard flat lens. Optics become useful.</p>	<p>Options:</p> <p>12 13</p> <p>See separate Kim Pole Catalog.</p>	<p>VF Option</p> <p>VSF-1SA</p>																												

<p>7 Optional Polycarbonate Lens:</p>	<p>Cat. No.: LS</p> <p>Polycarbonate Lens replaces standard tempered glass lens. See "CAUTION" on page 17.</p>
<p>8 Optional Houselead Shield:</p>	<p>Cat. No.: HS</p> <p>Recommended for use with clear lamps only. Effectiveness is reduced for coated lamps. Not for use with Type V light distributions.</p> <p>Cat. No.: HRC</p> <p>For use with all fixtures with convex glass lens. Not for use with Type V light distributions.</p>
<p>9 Optional Tamper-Resistant Latch:</p>	<p>Cat. No.: TL</p> <p>Standard die-cast latch is provided with a captive #0-32 stainless steel flat socket-head screw to prevent unauthorized opening. Required only for vertical protection in locations where fixtures can be reached by unauthorized persons.</p>
<p>10 Optional Horizontal Splitter Mount:</p>	<p>Cat. No.: HF</p> <p>Replaces standard mounting arm with a splitter for mounting to vertical pole diameter with 2" pipe-size mounting and (2" O.D.).</p>
<p>11 Special Options for Street Lighting:</p>	<p>Cat. No.: AF</p> <p>Air Filter to allow ventilation through the optical chamber.</p>
<p>12 Poles:</p>	<p>See Kim Pole Catalog for a complete selection of square and round poles in aluminum or steel.</p>
<p>13 Optional Vertical Splitter Mount:</p>	<p>Cat. No.: VSF-1SA Cat. No.: VSF-288 Cat. No.: VSF-38T Cat. No.: VSF-38Y Cat. No.: VSF-48C</p> <p>Mounting Configuration: 1SA - Single arm mount 288 - 2 at 180° 38T - 3 at 90° 38Y - 3 at 120° 48C - 4 at 90°</p>

Photometric Report (Type C)

Filename: Kim site light sar2-100p.ies
[TEST] k100680
[ISSUEDATE] 05_15_07
[MANUFAC] KIM LIGHTING
[LUMCAT] SAR2_100MH-ED17
[LUMINAIRE] SMALL ARCHETYPE CUTOFF LUMINAIRE DIE CAST ALUM_REFLECTOR SYSTEM WITH SPECULAR PANE
[LAMP] 100 WATT CLEAR, MH ED17 MEDIUM BASE LAMP, HORIZONTAL POSITION, RATED AT 8800 INITIAL LUME

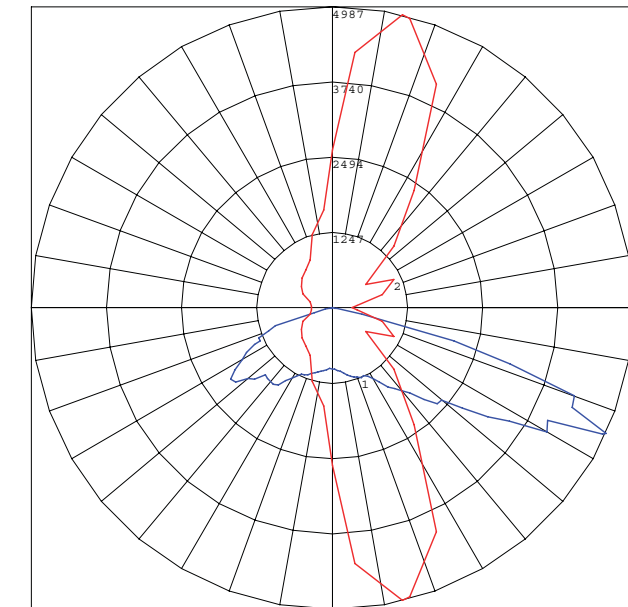
Maximum Candela = 4987 at 76.5 H 65.4 V

Classification:

Road Classification: Type II, Short, Full Cutoff
Indoor Classification: Direct

Polar Candela Curves:

Vertical Plane Through:
1) 76.5 - 256.5 Horizontal
Horizontal Cone Through:
2) 65.4 Vertical



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University of Wisconsin Biochemistry II Type: **H3**
06381-00
Urban Design Commission December 5, 2007



University of Wisconsin Biochemistry II Type: **H3**
06381-00
Urban Design Commission December 5, 2007

STERNBERG

Lanterns

MS805A/MS805AO MS805B/MS805BO MAIN STREET SERIES SPECIFICATIONS

GENERAL

The MS805 Main Street series is a modern replica of a popular styled octagonal fixture, available with or without decorative spikes. It shall be appointed with a cast aluminum 6 1/2" decorative spiked finial.

FITTER

The fitter shall be heavy wall cast aluminum, 319 alloy for high tensile strength. It shall have an inside diameter opening to attach to 3", 4", 5", 6" or 7" pole or tenon. When ordered with a Sternberg pole, the fitter shall be set screwed to the pole top or tenon.

BALLAST HOUSING

The ballast housing shall be heavy wall cast aluminum, 319 alloy for high tensile strength and to ensure high capacity heat sinking of ballast temperatures. Keeping the ballast cooler and ensuring long life. The ballast mounting plate shall be cast aluminum and provide tool-less removal from the housing using 2ea finger latches.

ELECTRICAL

Fixture shall be U.L. or E.T.L. listed. H.I.D. ballasts shall be high power factor with lamp starting down to -30 degrees F. Medium base and mogul base porcelain sockets are 4KV rated. The ballast /socket assembly shall be pre-wired when ballast is located in the fitter. All compact fluorescent (PL) ballasts shall be instant start electronic with a starting temperature of down to 0 degrees F. They shall have a 4-pin socket to accept quad or triple tube lamps.

FIXTURE HOUSING

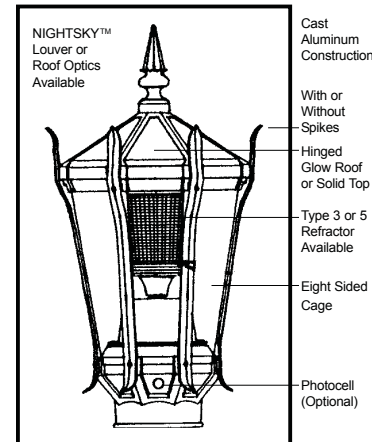
The fixture shall be 16" wide (17 1/2" on the diagonal) and 38" tall. It will be made of heavy wall cast aluminum, 319 alloy the lens panels and be made of vandal resistant acrylic, available in clear, clear seeded, clear textured, prismatic and white acrylic. The roof can be solid (MS805 A or B), or lensed (MS805AO or BO) for up-light up to 175 watts. All fixtures in this series come with decorative spikes (A), or without spikes (B).

OPTICAL OPTIONS

Refractors shall be 6" diameter borosilicate glass with an I.E.S. Type 3 (RE3G) or Type 5 (RE5G) distribution. It shall be secured to the socket stem with 3/8" steel anodized threaded pipe nipple and rest on a cast aluminum holder with anti-shock gasket. The refractor will be secured to cast holder with a quarter-turn internal aluminum twist ring for ease of maintenance.

The NIGHTSKY™ Louver Optic Sytem (LO or LO-S) shall be a multi-tier reflector with 7" diameter rings to produce an I.E.S. Cut-off Type 3 or 5 distribution. The Louver Optic System shall be made of highly specular anodized aluminum and shall come standard with medium base socket.

NIGHTSKY™ STAR-SHIELD Roof Optics distribution shall be delivered by multi-segmented roof mounted reflector systems which eliminate uplight and provide cut-off. The reflector



LIST NOS.
MS805A
MS805AO
MS805B
MS805BO
MAIN STREET SERIES

(Continued on back page)

Photometric Report (Type C)

Filename: MS805-RO5-175MH.IES
[TEST] 08413
[ISSUEDATE] 11-05-2004
[MANUFAC] STERNBERG VINTAGE LIGHTING
[LUMCAT] MS805_SRT0H5_175MH
[LUMINAIRE] CAST ALUMINUM HOUSING, FORMED SEGMENTED SPECULAR AND SEMI-SPECULAR REFLECTOR WITH WH
[LAMP] VENTURE MH175_U_MED
[LAMP] ONE CLEAR HORIZONTAL M57 175 WATT ED17 METAL HALIDE LAMP RATED AT 14,000 LUMENS_

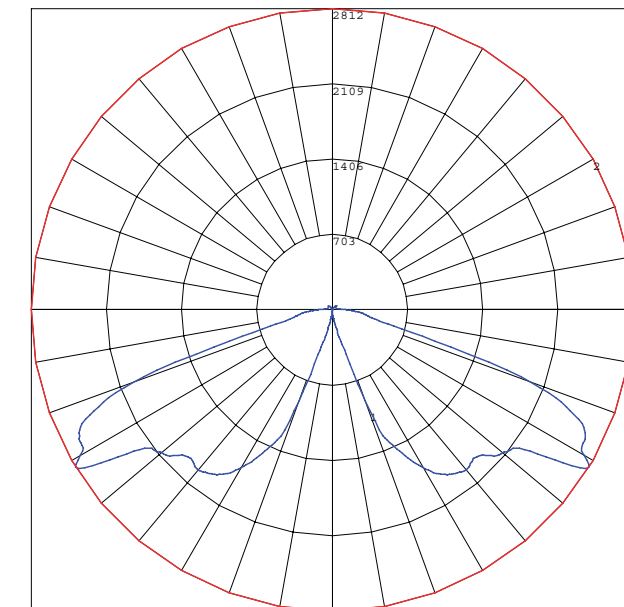
Maximum Candela = 2812 at 0 H 58.5 V

Classification:

Road Classification: Type V, Short, Cutoff
Indoor Classification: Direct

Polar Candela Curves:

Vertical Plane Through:
1) 0 - 180 Horizontal
Horizontal Cone Through:
2) 58.5 Vertical



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University of Wisconsin Biochemistry II
06381-00
Urban Design Commission
Type: **S3**
December 5, 2007

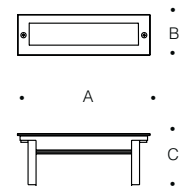


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06381-00
Urban Design Commission
Type: **S3**
December 5, 2007

Recessed wall luminaire - stainless steel

Housing: Constructed of die cast and extruded aluminum with integral wiring compartment. Mounting tabs provided.
Enclosure: All stainless steel faceplate, 3/16" thick, 1/8" thick, tempered glass; clear with white translucent ceramic coating. Faceplate is secured by two (2) flat socket head, stainless steel, captive screws threaded into stainless steel inserts in the housing casting. Continuous high temperature O-ring gasket for weather tight operation.
Electrical: Provided with a quantity of 10, .8W LEDs, 8 total watts, -40°C start temperature. Integral 120V electronic LED driver. LED board and the driver are mounted on a removable plate for easy replacement. LED color temperature is 5500K.
Through Wiring: Maximum of four (4) No. 12 AWG conductors (plus ground) suitable for 75°C. Two 7/8" knockouts provided for 1/2" conduit.
Finish: #4, brushed stainless steel. Stainless steel requires regular cleaning and maintenance, much like household appliances, to maintain its luster and to prevent tarnishing or the appearance of rust like stains.
U.L. listed, suitable for wet locations and for installation within 3 feet of ground. Suitable for all types of construction including poured concrete. Type non-IC. Protection class: IP 64.

Type:
BEGA Product #:
Project:
Voltage:
Color:
Options:
Modified:



Recessed luminaires with stainless steel faceplate and white diffusers. May be mounted horizontal or vertical.
U.L. listed, suitable for wet locations. IP 64.
Finish: #4 brushed stainless steel.



Photometric Report (Type C)

Filename: S3 Bega 2032P.IES
[TEST] BE1990
[ISSUEDATE] 07-23-97
[MANUFAC] BEGA-US
[LUMCAT] 2032P
[LUMINAIRE] STAINLESS STEEL RECESSED WALL LUMINAIRE W_WHITE DIFFUSER
[LAMP] (1) 13W CF TWIN-2P

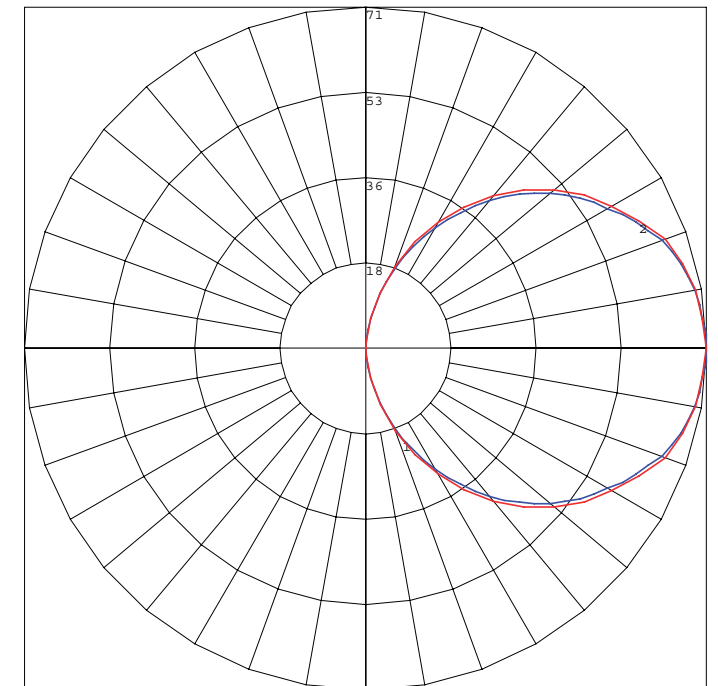
Maximum Candela = 71.1232489722967 at 0 H 87.5 V

Classification:

Road Classification: Type IV, Very Short, Non-Cutoff
Indoor Classification: General Diffuse

Polar Candela Curves:

Vertical Plane Through:
1) 0 - 180 Horizontal
Horizontal Cone Through:
2) 87.5 Vertical



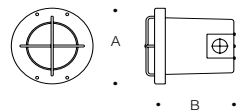


University of Wisconsin Biochemistry II
06381-00
Urban Design Commission
Type: **S4**
December 5, 2007

Recessed wall luminaire - stainless steel

Housing: Constructed of die cast aluminum with integral wiring compartment.
Enclosure: Die formed, .035" stainless steel faceplate, secured by four (4) socket head, stainless steel, captive screws threaded into stainless steel inserts in the housing casting. 3/16" thick tempered glass with translucent white ceramic coating. Continuous high temperature silicone rubber O-ring gasket for weather tight operation.
Electrical: Provided with a quantity of 3, 3W LEDs, 9 total watts, -40°C start temperature. Integral 120V electronic LED driver. The LED board and the driver are mounted on a removable plate for easy replacement. LED color temperature is 3300K.
Through Wiring: Maximum of four (4) No. 12 AWG conductors (plus ground) suitable for 75°C. Two 3/8" knockouts provided for 1/2" conduit.
Finish: #4 brushed stainless steel. Stainless steel requires regular cleaning and maintenance, much like household appliances, to maintain its luster and to prevent tarnishing or the appearance of rust like stains. U.L. listed, suitable for wet locations and for installation within 3 feet of ground. Suitable for all types of construction including poured concrete. Type non-IC. Protection class: IP 64.

Type:
BEGA Product #:
Project:
Voltage:
Color:
Options:
Modified:



Brushed stainless steel trim with guard. White tempered glass diffuser. U.L. listed, suitable for wet locations. IP 64.



	Lamp	A	B
2310LED Recessed ADA	9W LED	9 1/16"	8 3/16"

BEGA/US 1000 BEGA Way, Carpinteria, CA 93013 [P] 805-684-0533 [F] 805-684-6682
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University of Wisconsin Biochemistry II
06381-00
Urban Design Commission
Type: **S4**
December 5, 2007

Photometric Report (Type C)

Filename: S4 Bega 2310P.IES
[TEST] BE1108
[ISSUEDATE] 05-17-96
[MANUFAC] BEGA-US
[LUMCAT] 2310P
[LUMINAIRE] STAINLESS STEEL RECESSED WALL LUMINAIRE W_WHITE TEMPERED GLASS AND GUARD
[LAMP] (1) 18W CF QUAD-2P

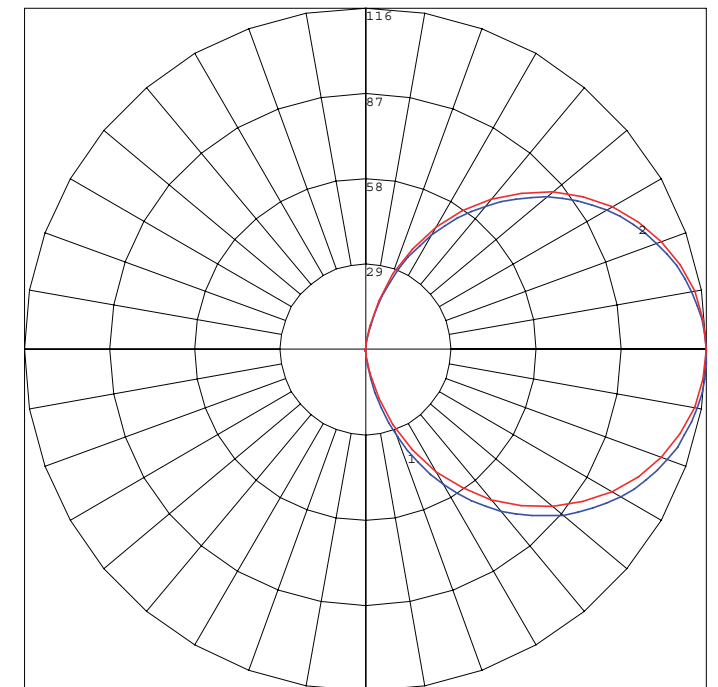
Maximum Candela = 116.1 at 0 H 87.5 V

Classification:

Road Classification: Type IV, Very Short, Non-Cutoff
Indoor Classification: General Diffuse

Polar Candela Curves:

Vertical Plane Through:
1) 0 - 180 Horizontal
Horizontal Cone Through:
2) 87.5 Vertical



Flad & Associates

644 Science Drive
Madison, WI 53711
P.O. Box 44977
Madison, WI 53744-4977
608-238-2661
608-238-6727 FAX
www.flad.com

November 14, 2007

Madison Plan Commission
215 Martin Luther King, Jr. Blvd: Room LL-100
PO Box 2985
Madison, WI 53701-2985

Via: Hand Delivery

Re: Letter of Intent for Demolition Permit & Conditional Use Application
University of Wisconsin – Madison Biochemistry II
DSF Project No. 05 F 1 K
Flad Project No. 06381-00

On behalf of the State of Wisconsin and the Board of Regents of the University of Wisconsin System, Flad & Associates would like to submit the attached documents for Plan Commission approval for a Demolition Permit and Conditional Use Application for the property located at 420 Henry Mall, on the University of Wisconsin – Madison campus. The following information is relative to this application:

Name of Project: University of Wisconsin – Madison Biochemistry II

Description of Existing Conditions and Uses of the Property:

The Biochemistry II project is comprised of a new research tower connected to the existing Biochemistry Building constructed in 1985, renovation and reconstruction of three historic buildings including the 1906 building which is now the Agricultural Journalism building, the original Biochemistry building constructed in 1912, and the first Biochemistry addition constructed in 1937. The project will require the demolition of the 1956 Biochemistry addition (37,100 ASF / 57,300 GSF) as well as the Auditorium and below grade Vivarium portions of the 1985 Biochemistry building (6,300 ASF / 9,500 GSF).

Instruction, along with departmental administration, will be located in the newly renovated 1912 and 1937 era Biochemistry building located at 420 Henry Mall and will include a 400-seat auditorium, a 180-person seminar room, instructional labs and a variety of associated support and classroom spaces. The research component will be located in the newly constructed building and the newly renovated 1906 Agricultural Journalism building located at 440 Henry Mall. The new research tower will be six stories above grade (approximately matching the height of the existing six-story 1985 Biochemistry building) plus an equipment penthouse and two stories below grade housing animal research

laboratories in the basement and a mechanical sub-basement. The new tower will house a 120-seat auditorium, conference rooms and a lobby/reception space on the first floor with research laboratories on the five floors above. The 1906 building will contain a café, department meeting rooms, maintenance, and dry research labs. The new tower will connect to the 1985 building on all but two levels, a pedestrian bridge will connect the research tower to the instructional areas in the 1912 and 1937 buildings.

Development Schedule for the Project:

Bid Opening	May 2008
Start of Construction	June 2008
Substantial Completion (Remodeling)	June 2010
Occupancy (Remodeling)	August 2010
Substantial Completion (New Construction)	August 2010
Occupancy (New Construction)	October 2010

Names of Persons Involved:

Owner	Board of Regents of the University of Wisconsin System 1220 Linden Drive Madison, WI 53706
State of Wisconsin	Department of Administration Division of State Facilities Russ Van Gilder, AIA DSF Project Manager Division of State Facilities 101 East Wilson Street, 7 th Floor Madison, WI 53707-7866 (608) 266-1412
Architect-of-Record	Flad & Associates David Black, AIA Principal Designer Flad & Associates 644 Science Drive Madison, WI 53744-4977 (608) 238-2331

Mechanical/Electrical/Fire Alarm

Affiliated Engineers, Inc.

Michael Broge, PE
Principal
Affiliated Engineers, Inc.
5802 Research Park Blvd.
Madison, WI 53719
(608) 238-2616
Flad Structural Engineers

Structural Engineering

John Bauch, PE
Director of Structural Engineering
Flad Structural Engineers
644 Science Drive
Madison, WI 53744-4977
(608) 238-2331

Information Technology

Intelligent Network Solutions, Inc.

Thomas Angerer, RCDD
President/Communications Designer
Intelligent Network Solutions, Inc.
10300 West Blue Mound Road, Suite A
Wauwatosa, WI 53226
(414) 476-3200

Historic Preservation

Isthmus Architecture, Inc.

Charles Quagliana, AIA
Senior Preservation Architect
Isthmus Architecture, Inc.
613 Williamson Street
Madison, WI 53703
(608) 294-0206

Site/Civil Engineering

JJR, LLC

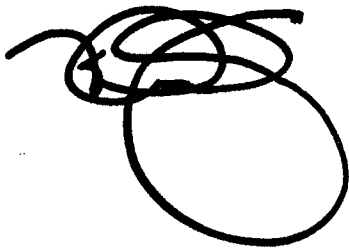
Bill Patek, ASLA
Principal, Senior Landscape Architect
JJR, LLC
625 Williamson Street
Madison, WI 53703
(608) 251-1177

Plumbing/Fire Protection	PSJ Engineering, Inc. James Mickowski, PE Principal PSJ Engineering, Inc. 634 W. Main Street, Suite 207 Madison, WI 53703-2697 (608) 251-5820
Acoustics/Audio Visual	Professional Audio Designs, Inc. Scott Leonard President Professional Audio Designs, Inc. 11707B W. Dearborn Avenue Wauwatosa, WI 53226 (414) 476-1011
Types of Businesses:	Academic/Research (Mixed Occupancy) Group A – Assembly Group B – Business
Number of Employees:	Faculty/Staff: 400 persons Students: 1,275 persons
Hours of Operation:	Instructional/Classroom: 7:00 a.m.-5:00 p.m. Laboratory Research: 24 Hours/Day
Square Footage or Acreage of the Site:	2.93 Acres
Gross Square Footage of Building(s):	New Construction: 159,011 GSF Remodeling: 91,198 GSF
Number of Parking Stalls:	Cars: 21 Standard Stalls / 3 Accessible Stalls Bikes: 164 Mopeds: 30
Trash Removal & Storage:	Facilities located at the New Loading Dock at the Northeast corner of the 2010 Research Tower, serviced by the Linden Drive access and North Parking Lot.
Snow Removal/Maintenance	Facilities located near the New Loading Dock at the East end of the 1985 Biochemistry Building.

Madison Plan Commission
Page 5
November 14, 2007

We respectfully submit this application for Plan Commission approval. Thank you for your thoughtful consideration.

Sincerely,

A handwritten signature in black ink, consisting of several overlapping loops and a large oval at the bottom.

Thomas M. Raley, AIA, LEED™ AP
Project Manager/Senior Associate

Attachments

cc: Gary Brown – University of Wisconsin FP&M
Russ Van Gilder – Division of State Facilities
David Black – Flad & Associates