

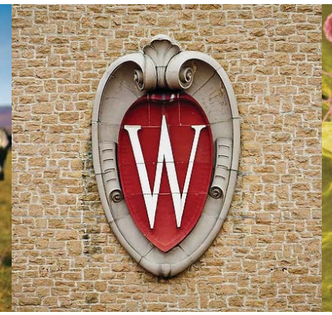

MADISON LAND USE SUBMITTAL

MEAT SCIENCE AND MUSCLE BIOLOGY BUILDING, UW MADISON

DSF PROJECT NUMBER: 13I2Y

AUGUST 19, 2015

Potter Lawson

Success by **Design**

TABLE OF CONTENTS

1.0 LETTER OF INTENT

August 19, 2015

Mr. Matthew Tucker
City of Madison Zoning Administrator
215 Martin Luther King Jr. Blvd
Rm. LL-100, Municipal Bldg
Madison, WI 53710

RE: CONDITIONAL USE APPLICATION – Letter of Intent
Meat Science and Muscle Biology Building
1933 Observatory Drive (Science Lab) & 1932 Linden Drive (BSL2 Suite)
University of Wisconsin-Madison

Dear Mr. Tucker:

This is an application for a Conditional Use request for removal of the 17,750 GSF existing Seed Building located at 1930 Linden Drive and for the development of a new 2-story modern teaching, research, and outreach facility with approximately 61,600 GSF (35,000ASF) to support the meat industry of the State of Wisconsin. The property is currently zoned Campus-Institutional District (CI), as defined in MGO 28.097. As such the building is an acceptable Primary Use. Construction of the improvements is scheduled to begin July 2016 and be completed in April 2018. All land is owned by the Board of Regents of the University of Wisconsin System.

Application Materials

Zoning Application
Plans (7 full size copies, 25 reduced size 11" x 17" copies, 1 letter size copy)
Letter of Intent (32 copies)
Legal Description

Project Participants

Owner: **State of Wisconsin**
Agency: University of Wisconsin System
Board of Regents
Room 1860 Van Hise Hall
1220 Linden Drive
Madison, Wisconsin 53706

Owner's Contact: **University of Wisconsin – Madison**
Facilities Planning and Management
919 WARF Building
610 Walnut Street
Madison, Wisconsin 53726
Phone: 608-263-3023
Fax: 608-265-3139
Attn: Gary Brown
E-Mail: gbrown@fpm.wisc.edu

Facilities Planning & Management
9th Floor WARF Building 610 Walnut Street Madison, Wisconsin 53726-2397
(608) 263-3000 FAX (608) 265-3139 TTY (608) 265-5147

Dept of Admin: **Division of Facilities Development**
101 E. Wilson Street – 7th Floor
P.O. Box 7866
Madison, Wisconsin 53707
Phone: 608-266-1412
Attn: Russ Van Gilder
E-Mail: Russ.VanGilder@wisconsin.gov

Architects: **Potter Lawson, Inc.**
749 University Row #300
Madison, Wisconsin 53705
Phone: 608-274-2741
Attn: Mike Gordon, Senior Vice President
E-Mail: MikeG@PotterLawson.com

Landscape Architect: **Ken Saiki Design,**
303 S. Paterson Street #1
Madison, Wisconsin 53703
Phone: 608-251-3600
Fax: 608-251-2330
Attn: Ken Saiki, ASLA
E-Mail: ksaiki@ksd-la.com

MEP Engineers: **KJWW**
802 W. Broadway
Madison, Wisconsin 53713
Attn: Dave Smith, PE, EDAC, LSS
Phone: 608-223-9600
Fax: 608-223-9601
E-Mail: smithda@kjww.com

Structural Engineers: **Structural Engineers, P.C.**
114 Nicholas Drive
Marshalltown, Iowa 50158
Phone: 641-752-6334
Fax: 641-752-6859
Attn: Larry Olson, PE
E-Mail: structuralEngineers@sepc.biz

Surveyor: **Snyder Associates**
2010 Voges Road
Madison, Wisconsin 53718
Phone: 608-838-0444
Attn: Mike Calkins
E-Mail: mcalkins@snyder-associates.com

Project Background:
The existing 25,747 ASF/30,190 GSF Meat Science and Muscle Biology Laboratory, located at 1805 Linden Drive, was constructed in the 1930's for faculty of the Animal Husbandry Department, with additions in 1959 and 1969. This building will be renovated for a different use for the College of Agricultural & Life Sciences, likely as a replacement for the Seed Building being removed as described below. In the 1940s, a Meat Science program was created at the UW-Madison and subsequent faculty recruitment and research resulted in the emergence of a preeminent program in Meat Science. The mission of the program includes (1) training the next generation of meat industry leaders with cutting edge insightfulness and technologies, (2) supporting innovative research interests through interdisciplinary collaborative efforts, and (3) providing outreach education to foster the production of wholesome meat products for the consuming public and the economic development of the meat industry.

Project Description:
The new Meat Science project site will be located on the UW-Madison campus at 1933 Observatory Drive. Currently, the site is occupied by the Seed Building and is bordered on the north by Observatory Drive, on the west by UW Parking Lot 62, on the south by Linden Drive, and to the east by the Poultry Research Laboratory.

The project will remove the existing Seed Building located at 1930 Linden Drive (17,750 GSF), a series of old Quonset hut buildings connected to the original brick building along Linden Drive which has no current historical designations per the Wisconsin Historical Society. The new project will construct a 2-story modern teaching, research, and outreach facility with approximately 61,600 GSF (35,000 ASF) to support the meat industry of the State of Wisconsin. The new laboratory will facilitate the development of modern meat processing and research through the inclusion of lab general-purpose benches for biochemical, chemical, and microbial studies, as well as more specialized rooms for microscopy, tissue culture, instrumentation and cold experiments. The project will also include a separate Biosafety Level 2 (BSL2) suite, an abattoir, carcass chilling and cooling facilities, and a meat processing area with retail capabilities through Bucky's Butchery, also located in the new facility.

No on-site vehicular parking will be provided, but a new parking structure is planned for the west side of the new building on the existing UW Parking Lot 62. The current timeframe for that project is to open in the 2017-19 biennium.

The Meat Science program serves to teach and conduct research in the evolving subject of meat science, food safety and the humane treatment of agricultural animals, as well as economic aspects of the meat industry as the supplier of meat for human consumption. Discovery from research is expected to lead to new markets and new higher levels of economic value for agricultural animals. Currently, the primary economic value of agricultural animals raised for the food supply lies in the edible meat, but with evolving research and discovery, the future value may lie in cellular/molecular level non-edible parts of the animal.

The primary exterior wall materials will include masonry, stone, and metal panels. The exterior walls will typically be non-bearing, insulated screen wall construction with 3" rigid insulation and concrete block backup. The overall aesthetic and material usage will be sympathetic to the near west campus design neighborhood where it is located.

The planned loading and service functions for the building will occur via four berths located along a one-way vehicular access road, north to south, between the proposed building and the existing Poultry Research Laboratory. The furthest south of these loading bays is designated for the BSL2 located along Linden Drive. An exterior trash enclosure will be provided within the general receiving area. It will house several 2 CY or 4 CY dumpsters as well as several 95 gallon recycling containers. A central CO2 tank will be enclosed and accessible for refill on the southeast corner of the building. Snow removal and site maintenance will be provided by university staff, as typical with all university facilities.

Building signage will be important with this facility have two addresses to distinguish between the primary teaching/research facility and the BSL2 Lab. New building mounted or ground mounted building signs will be included as part of the project following campus standards. Campus standard, sharp cut-off lighting fixtures will be used across the site.

From a fire protection standpoint, the entire building will be fully sprinkled. Currently there are fire hydrants within 500' on all four sides of the site. Hydrants are located: 125' north along Observatory Drive, 420' west along Observatory Drive, 435' east along Linden Drive, 90' south along Linden Drive.

The overall project generally follows the 2005 UW-Madison Campus Master Plan that suggests a new College of Agricultural & Life Sciences building in this area.

Project Schedule:

Start Construction:	August, 2016
Substantial completion:	April, 2018
Occupancy:	May, 2018

Proposed Uses:
The proposed uses and associated square footage are as follows:

Hardscape:	29,165 GSF
Softscape:	22,610 GSF
Building Footprint:	39,400 GSF
Total Developed Area:	91,175 GSF

Hours of Operation
Hours of operation will mostly occur during the regular business day, 7:00 AM to 5:00PM. However, since this is a university research lab, some activity may occur at other times of the day. Most of the off-hour activity is expected to occur within the lab spaces. Bucky's Butchery is an additional educational component of the facility which provides invaluable skills regarding food safety, sanitation and product sales in a small, 330 ASF public retail environment. The current hours of this operation are limited to Friday's from 11AM-3PM. These hours may be lengthened to meet student and facility need.

Building Areas:
The existing and proposed expansion areas are as follows:

Abattoir/Meat Cutting, Processing & Support:	14,753 ASF
Lecture/Demonstration:	3,840 ASF
Research Lab Suite/Lab Office:	7,837 ASF
Administration/Reception:	2,670 ASF
Back Door/Receiving:	1,226 ASF
BSL2:	4,178 ASF
Total at Completion:	34,504 ASF

Auto and Bike Parking Stalls:
Parking is addressed, in accordance with the overall university Campus Master Plan, on a campus-wide basis not by individual building. As part of this project Lot 43 (58 metered spaces) will be removed to make way for the building footprint. These metered spaces are primarily used by short term visitors to campus and will be distributed throughout the area into existing lots via stall re-designation. A future parking structure is planned for the 2017-19 biennium to be placed directly to the west on a portion of Lot 62. Accessible parking for the building will be served by existing Lot 62 facilities. Public metered parking for Bucky's Butchery will be included in this future parking ramp.

Bike parking will be accommodated throughout the site in greater numbers than exist today. There will be 24 bike parking added along the west facade of the building. Currently, there is limited bike parking (10 stalls) in the area.

The proposed project location is well serviced by existing Metro bus routes (11, 28, 38, 44, 80) both east and west bound along Observatory Drive. Natatorium boarding #2267 and #2442 currently see stops every seven minutes during Spring and Fall semesters stretching out to every 15 minutes during university break schedule.

Lot Coverage and Usable Open Space Calculations
The lot is 91,175 square feet. The total open space/area outside the building footprint and other impervious area is 51,775 square feet.

Estimated Project Cost:
The project is estimated to cost $42,877,000.

Number of Construction & Full-Time Equivalent Jobs Created

Based on a study entitled "The Impact of Construction on the Wisconsin Economy" by C3 Statistical Solutions, published in January 2011, every $1 spent directly on construction projects produces an overall economic impact of approximately $1.92. Using a related formula that 17 jobs are created for every $1 million of construction costs, this $42.9M project should create approximately 729 jobs split between design and construction workers and direct, indirect and induced jobs.

The project was presented to the City of Madison Development Assistance Team on July 9, 2015 and to the Joint West Campus Area Committee on July 22 for informational purposes.

Please contact me at 608-263-3023 if you have any questions or need further information.

Thank you,

Gary A. Brown, PLA, FASLA
Director, Campus Planning & Landscape Architecture
Facilities Planning & Management, University of Wisconsin-Madison

cc: Stu LaRose, UW-Madison FP&M Project Manager
Russ Van Gilder, DOA/DFD Project Manager
Alder Zach Wood, District 8

LEGAL DESCRIPTION OF THE SITE

Provided by Snyder and Associates, the surveyor.

PART OF THE UNIVERSITY OF WISCONSIN LANDS LOCATED IN THE SOUTHEAST QUARTER AND THE SOUTHWEST QUARTER OF SECTION 15, TOWNSHIP 7 NORTH, RANGE 9 EAST, CITY OF MADISON, DANE COUNTY, WISCONSIN.

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Meat Science and Muscle Biology Building Site with proposed building footprint

Locator Map

Meat Science and Muscle Biology Building - UW Madison

August 19, 2015

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The NAT

Dejope Hall

Poultry Research

Veterinary Medicene

Dairy Barn

US Dairy Forage

Site Context Photos

Meat Science and Muscle Biology Building - UW Madison

August 19, 2015

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AERIAL VIEW FROM NORTHEAST

PERSPECTIVE VIEW FROM NORTHEAST

PERSPECTIVE VIEW FROM EAST

AERIAL VIEW FROM SOUTHEAST

Perspective Illustrations

Meat Science and Muscle Biology Building - UW Madison

August 19, 2015

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Meat Science Laboratory
University of Wisconsin - Madison

Madison, Wisconsin
2014.21.00

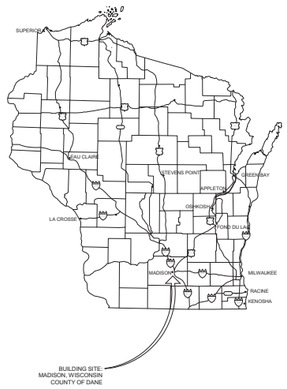
DFD Project Number: 13I2Y

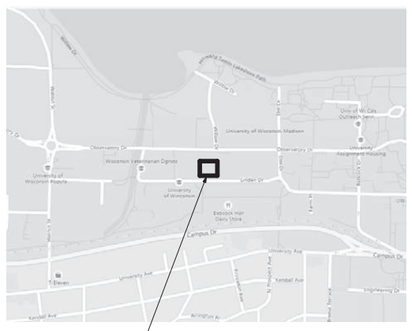
Madison Land Use Submittal

Drawing Index

C = Issued for Construction
B = Issued for Bidding
R = Issued for Reference Only

DWG #	Drawing Title	08/19/2015 Land Use
GENERAL		
T001	COVER DRAWING & INDEX	R
SITE		
--	TOPOGRAPHIC SURVEY	R
C103	TREE PROTECTION AND REMOVALS PLAN	R
C104	FIRE ACCESS PLAN	R
C300	SITE LAYOUT PLAN	R
C400	SITE GRADING PLAN	R
C500	SITE UTILITY PLAN	R
C902	CONSTRUCTION DETAILS	R
L100	SITE PLANTING PLAN	R
L101	DETAILED SITE PLANTING PLAN	R
L102	SITE AND PLANTING DETAILS	R
L103	SITE DETAILS	R
ARCHITECTURAL		
A010	Code Plan - Basement Level	R
A011	Code Plan - Level 1	R
A012	Code Plan - Mid-Level	R
A013	Code Plan - Level 2	R
A201	Building Elevations	R
A202	Building Elevations	R
Electrical		
E002	SITE LIGHTING PLAN	R
E005	SITE LIGHTING FIXTURE CUT SHEETS	R





ARCHITECT
Potter Lawson, Inc.
749 University Row, Suite 300
Madison, WI 53705
(608)274-2741

CIVIL ENGINEER
GRAEF
5126 West Terrace Drive, Suite 111
Madison, WI 53718
(608)242-1550

LANDSCAPE ARCHITECT
Ken Saiki Design
303 South Patterson Street
Madison, WI 53703
(608)251-3600

STRUCTURAL ENGINEER
GRAEF
5126 West Terrace Drive, Suite 111
Madison, WI 53718
(608)242-1550

LAB PLANNER
Lab Planning & Design, LLC
1615 Pond View Court
Middleton, WI 53562
(608)831-7763

PROCESS PLANNING/ENGINEERING
Structural Engineers, PC
114 Nicholas Drive
Marshalltown, IA 50158
(641)752-6334

PLUMBING/FIRE PROTECTION
Thunderbird Engineering, Inc.
6000 Gisholt Drive, Suite 201
Madison, WI 53713
(608)223-9040

MECHANICAL/REFRIGERATION/ TECHNOLOGY/SECURITY/AV
KJWW
802 West Broadway #312
Madison, WI 53713
(608)226-9600

ELECTRICAL POWER/LIGHTING/ FIRE ALARM
Potter Lawson, Inc.
749 University Row, Suite 300
Madison, WI 53705
(608)274-2741

Potter Lawson
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PLT Project No: 2014.21.00

Consultant:

PRELIMINARY
NOT FOR CONSTRUCTION

State of Wisconsin
Department of Administration
Division of Facilities Development

University of Wisconsin - Madison
Madison, Wisconsin

Potter Lawson

Meat Science Laboratory
University of Wisconsin - Madison
Madison, Wisconsin

Sheet Title: COVER DRAWING & INDEX

Revisions:

No.	Date	Description

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Date Issued	08/19/2015
Sheet Number	T001

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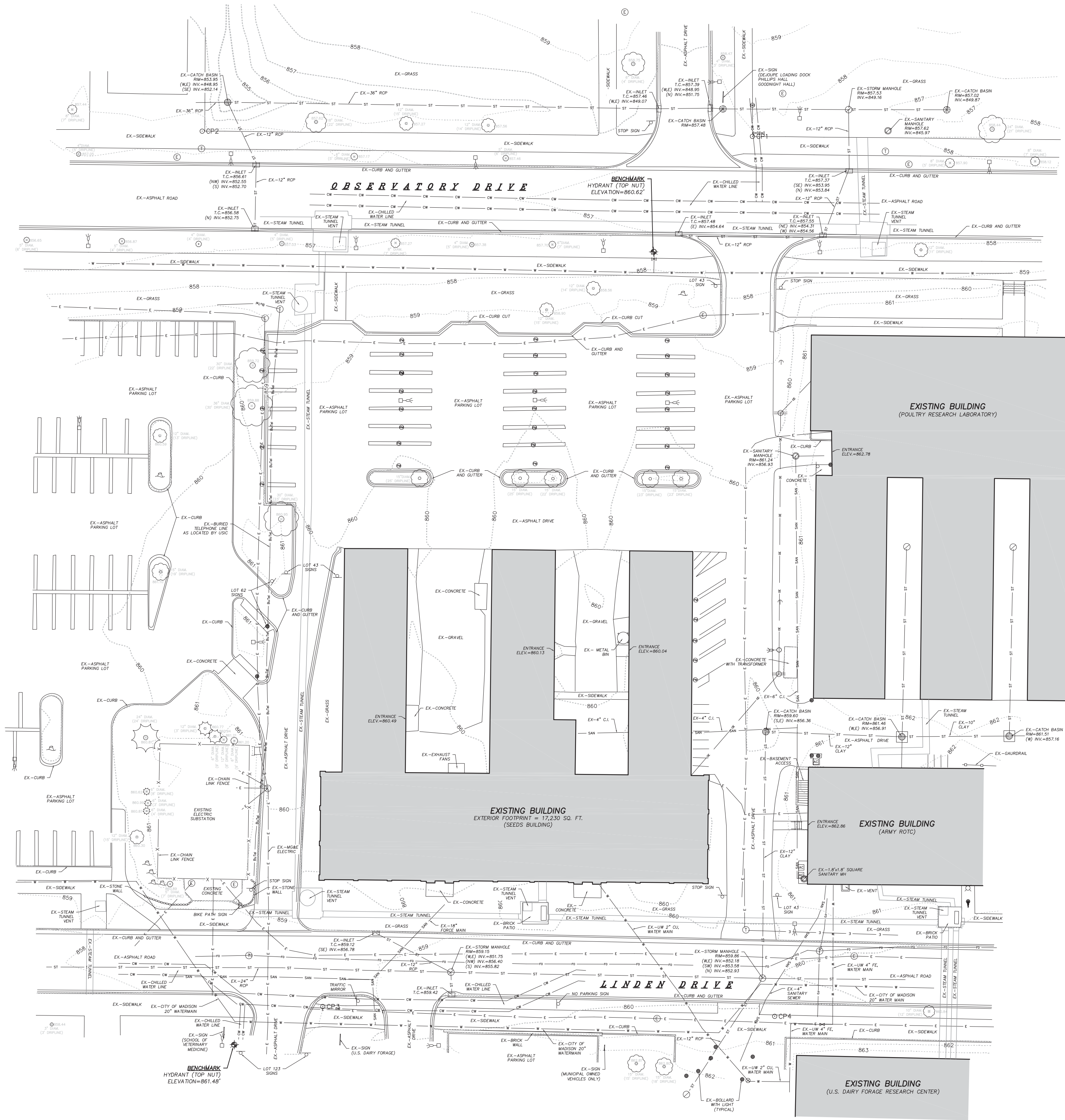
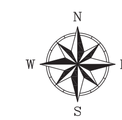
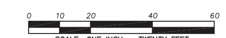


LEGEND

Symbol	Description	Symbol	Description
	SANITARY MANHOLE		YARD LIGHT
	FIRE HYDRANT		ELECTRIC POWER POLE
	WATER CURB STOP		GUY ANCHOR
	WATER VALVE		STREET LIGHT
	WATER VALVE MANHOLE		UTILITY POLE W/LIGHT
	STORM SEWER MANHOLE		ELECTRIC BOX
	CIRCULAR INTAKE/INLET		ELECTRIC TRANSFORMER
	SQUARE INTAKE/INLET		ELECTRIC MH OR VAULT
	H-INLET		TRAFFIC SIGN
	STORM SEWER BEHIVE		TELEPHONE JUNCTION BOX
	FLARED END SECTION		TELEPHONE MH OR VAULT
	GATE POST		TELEPHONE POLE
	GUARD POST/BOLLARD		GAS VALVE
	FLAG POLE		GAS METER

Symbol	Description	Line	Description
	GAS MANHOLE/VAULT	ST	STORM SEWER LINE
	CABLE TV BOX		WATER MAIN LINE
	CABLE TV MANHOLE/VAULT	SAN	SANITARY SEWER LINE
	PARKING METER	OH	OVERHEAD UTILITY LINE
	AIR CONDITIONER	G	BURIED GAS LINE
	BENCHMARK	BuTel	BURIED TELEPHONE LINE
	HANDICAP PARKING STALL	E	BURIED ELECTRIC LINE
	DECIDUOUS SHRUB	CaTV	BURIED CABLE TV LINE
	CONIFEROUS SHRUB	FO	BURIED FIBER OPTIC LINE
	STUMP	X	FENCE LINE
	DECIDUOUS TREE (SIZE VARIES)		BOULDER RETAINING WALL
	CONIFEROUS TREE (SIZE VARIES)		BLOCK RETAINING WALL
		OE	OVERHEAD ELECTRIC LINE
		CW	CHILLED WATER LINE





VICINITY MAP
NOT TO SCALE

CONTROL POINTS

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	483,512.62	812,032.89	857.94	115 CP1 PK Nail
2	483,514.96	811,785.98	857.32	115 CP2 PK Nail
3	483,122.17	811,840.07	858.98	115 CP3 PK Nail
4	483,117.77	812,042.87	860.62	115 CP4 PK Nail

COORDINATES ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, DANE COUNTY, WISCONSIN

NOTES:

PART OF THE UNIVERSITY OF WISCONSIN LANDS LOCATED IN THE SOUTHEAST QUARTER AND THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 15, TOWNSHIP 7 NORTH, RANGE 9 EAST, CITY OF MADISON, DANE COUNTY, WISCONSIN.

1) Date of Field Survey: November 21 and 24, 2014, February 13, 2015.

2) Elevations are based upon NAVD88 Datum and are referenced to the WISCORS (Wisconsin Continuously Operating Reference Stations) network.

3) Surveyor has made no investigation or independent search for easements of record, encumbrances, restrictive covenants, ownership title evidence, or any other facts that the current title search may disclose.

4) No attempt has been made as a part of this survey to obtain or show data concerning size, depth, condition or capacity of any utility or municipal/public service facility. For information regarding these utilities or facilities contact the appropriate agencies.

5) "Said property is located within an area having a Zone designation "X" by the Federal Emergency Management Agency, on Flood Insurance Rate Map No. 55025C0408G, with a date of identification of January 2, 2009, for Community Number 550083 in Dane County, State of Wisconsin, which is the current Flood Insurance Rate Map for the community in which said property is situated."

6) Subsurface utilities and features shown on this survey have been approximated by locating surficial features and appurtenances, locating Digger's Hotline field markings and by reference to utility records and maps. Digger's Hotline Ticket Number 20144609548.

7) Before excavation, appropriate utility companies should be contacted. For exact location of underground utilities, contact Digger's Hotline at 1-800-242-8511.

8) No wetlands exist on the property surveyed per the WIDNR surface water data viewer website. (Wisconsin Wetland Inventory)

9) All surface and subsurface improvements on and adjacent to the site are not necessarily shown hereon.

10) All trees, hedges and ground cover on the site may not necessarily be shown hereon.

11) Except as specifically stated or shown on this map, this survey does not purport to reflect any of the following which may be applicable to the subject real estate: easements, building setbacks lines, restrictive covenants; subdivision restrictions; zoning or other land use regulations; and any other facts that an accurate and current title search may disclose.

MARK	REVISION	DATE	BY
	ADDED SITE DESCRIPTION	08-17-15	
	LOCATE ADDITIONAL EXISTING UTILITIES	03-10-15	

Surveyor: ARG | Checked By: | Scale: 1"= 20'
Technician: | Date: 12-05-14 | Field Bk: | Pg:
Project No: POT12 | Sheet 1 of 1

MADISON, WISCONSIN

5010 VOGES ROAD
MADISON, WISCONSIN 53718
608-838-0444 | www.snyder-associates.com

UW MADISON MEAT SCIENCE

TOPOGRAPHIC SURVEY

SNYDER & ASSOCIATES

PROJECT No. POT12

Sheet 1 of 1

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Topographic Survey

Meat Science and Muscle Biology Building - UW Madison

August 19, 2015

Potter Lawson
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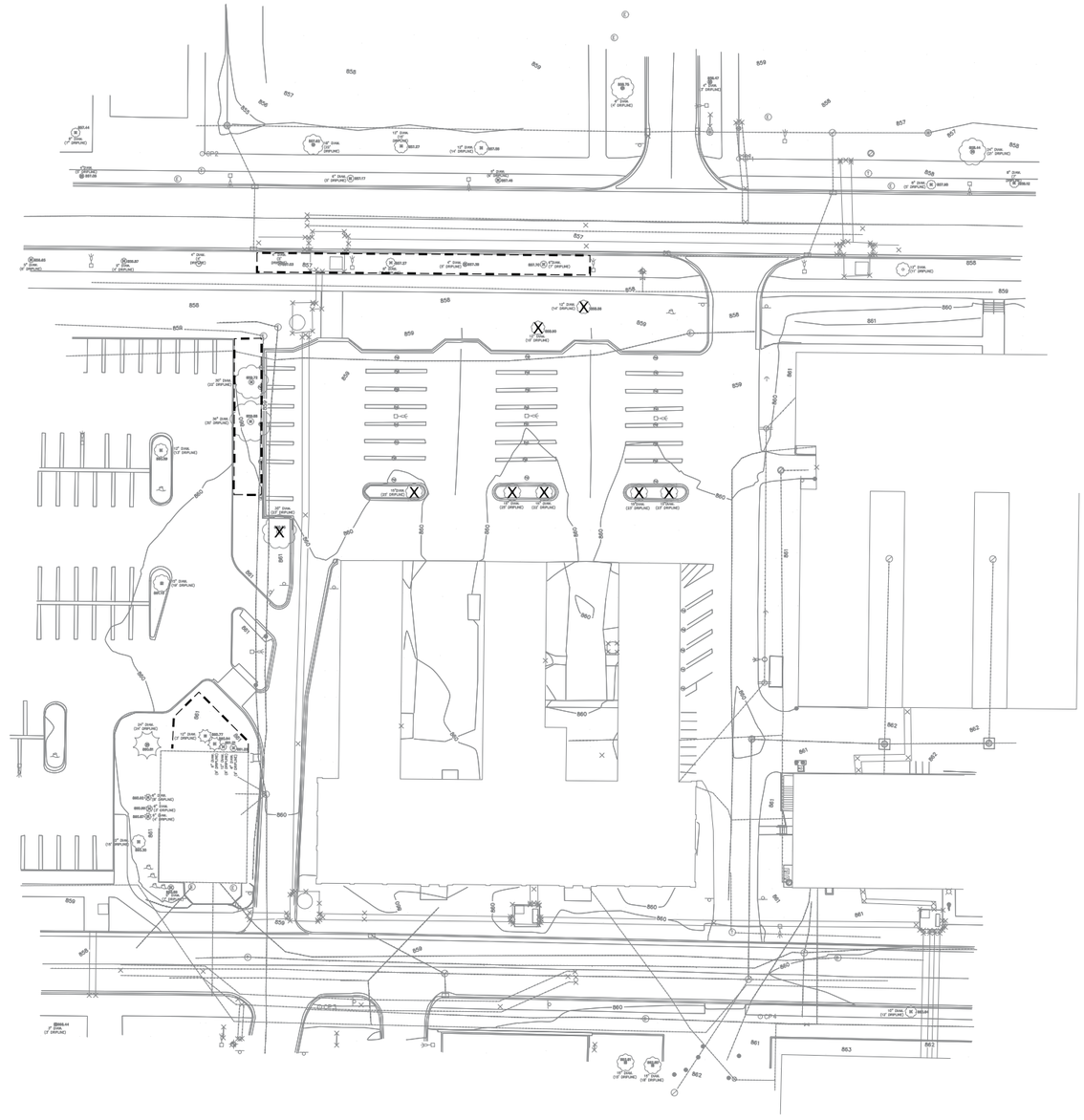
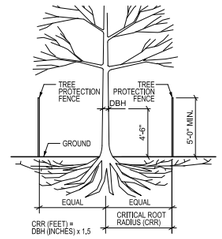


1 C103 **TREE PROTECTION AND REMOVALS PLAN**
SCALE: 1" = 20'-0"

LEGEND

X TREE / PLANT REMOVAL

TREE / PLANT PROTECTION FENCE



NOTES:
1. ALL TREES SHOWN TO BE RETAINED WITHIN THE LIMITS OF CONSTRUCTION ON THE PLANS SHALL BE PROTECTED DURING CONSTRUCTION WITH FENCING.

2. TREE PROTECTION FENCES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY SITE DEMOLITION OR PREPARATION WORK (CLEARING, GRUBBING, OR GRADING) AND SHALL BE MAINTAINED THROUGHOUT ALL PHASES OF THE CONSTRUCTION PROJECT. NO CONSTRUCTION MATERIALS, EQUIPMENT, OR SUPPLIES MAY BE STORED IN THE TREE PROTECTION AREA.

3. SEE SPEC SECTION 31 13 16 - SELECTIVE TREE AND SHRUB PROTECTION AND TRIMMING FOR MORE INFORMATION.

NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY SURVEY INFORMATION AND SITE CONDITIONS PRIOR TO START OF CONSTRUCTION AND REPORT ANY DISCREPANCIES. CONTRACTOR SHALL CONTACT DIGGER'S HOTLINE AND UW-MADISON TO LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO START OF CONSTRUCTION. ANY DAMAGE CAUSED TO EXISTING UTILITIES, EITHER SHOWN OR NOT, SHALL BE REPAIRED AND PAID FOR AT THE CONTRACTOR'S EXPENSE.

2. CONTRACTOR SHALL PROTECT BENCHMARKS.

3. ALL TREES SHOWN TO BE RETAINED WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED WITH TREE PROTECTION FENCING. ALL TREE PROTECTION FENCING SHALL BE IN PLACE PRIOR TO ANY SITE WORK. SEE SPECIFICATION 31 13 16, "SELECTIVE TREE AND SHRUB PROTECTION AND TRIMMING" FOR PROTECTION REQUIREMENTS.

DIGGERS HOTLINE
Toll Free (800) 242-8511
Milwaukee Area (414) 259-1181
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

Potter Lawson
Success by Design
PLT Project No: 2014.21.00
Consultant: KEN SAIKI DESIGN INC LANDSCAPE ARCHITECTS

PRELIMINARY
NOT FOR CONSTRUCTION

State of Wisconsin
Department of Administration
Division of Facilities Development
Madison, Wisconsin

Meat Science Laboratory
UW - Madison

Sheet Title: Tree Protection and Removals Plan

Revisions:		
No.	Date	Description
	08/19/15	CITY SUBMITTAL

Graphic Scale	0' 10' 20' 30'
DFD Number	13I2Y
Set Type	CU
Date Issued	08/19/2015
Sheet Number	C103

LEGEND

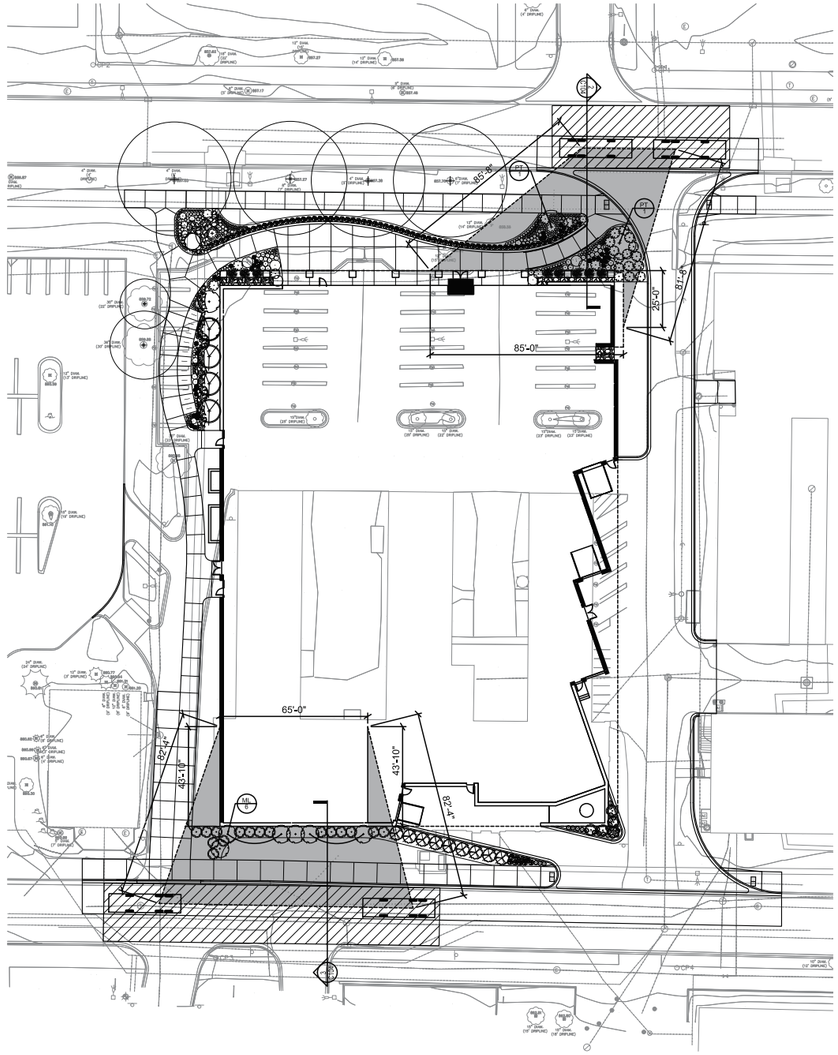
LADDER TRUCK

ZONE FOR FIRE DEPT. AERIAL ACCESS EQUIPMENT

LADDER ACCESS ZONE

Ornamental Trees Within Access Zone

Key	Botanical Name	Common Name	Mature Size
	Ornamental Deciduous Trees		
ML	*Malus 'Lanzam'*	Lancelot Crabapple	10' Height x 8' Spread
PT	*Ptlea trifoliata*	Hoptree	15' Height x 15' Spread

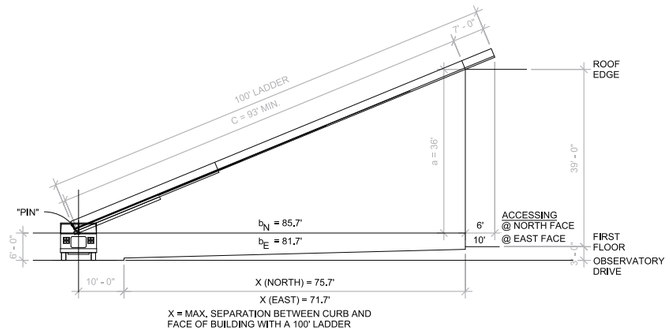


1 C104 **FIRE ACCESS PLAN**

SCALE: 1" = 20'-0"

0' 10' 20' 30'

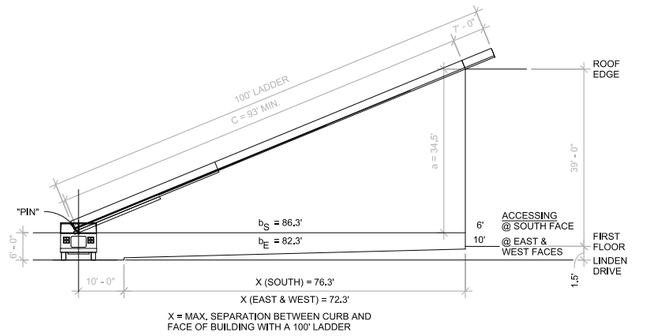
ACCESS TO 2ND FLOOR ROOF		
REQUIRED LENGTH OF ACCESS	= 25% OF BUILDING PERIMETER	
	= 25% x 838 LF =	210 LF
TOTAL CALCULATED LENGTH OF ACCESS		
NORTHEAST CORNER	= 85 LF + 25 LF =	110 LF
SOUTHWEST CORNER	= 43 LF + 65 LF + 43 LF =	151 LF
TOTAL CALCULATED ACCESS		261 LF
CALCULATED ACCESS TO 2ND FLOOR ROOF EXCEEDS REQUIRED		



2 C104 **TRUCK WITH 100' LADDER ON OBSERVATORY DRIVE**

SCALE: 1" = 10'-0"

0' 5' 10' 15'



3 C104 **TRUCK WITH 100' LADDER ON LINDEN DRIVE**

SCALE: 1" = 10'-0"

0' 5' 10' 15'

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Consultant: KEN SAIKI DESIGN INC LANDSCAPE ARCHITECTS

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State of Wisconsin
Department of Administration
Division of Facilities Development

Madison, Wisconsin

Meat Science Laboratory
UW - Madison

Sheet Title: Fire Access Plan

Revisions:

No.	Date	Description
	08/19/15	CITY SUBMITTAL

Graphic Scale	VARIES
DFD Number	13I2Y
Set Type	CU
Date Issued	08/19/2015
Sheet Number	C104

Fire Access Plan

Meat Science and Muscle Biology Building - UW Madison

August 19, 2015

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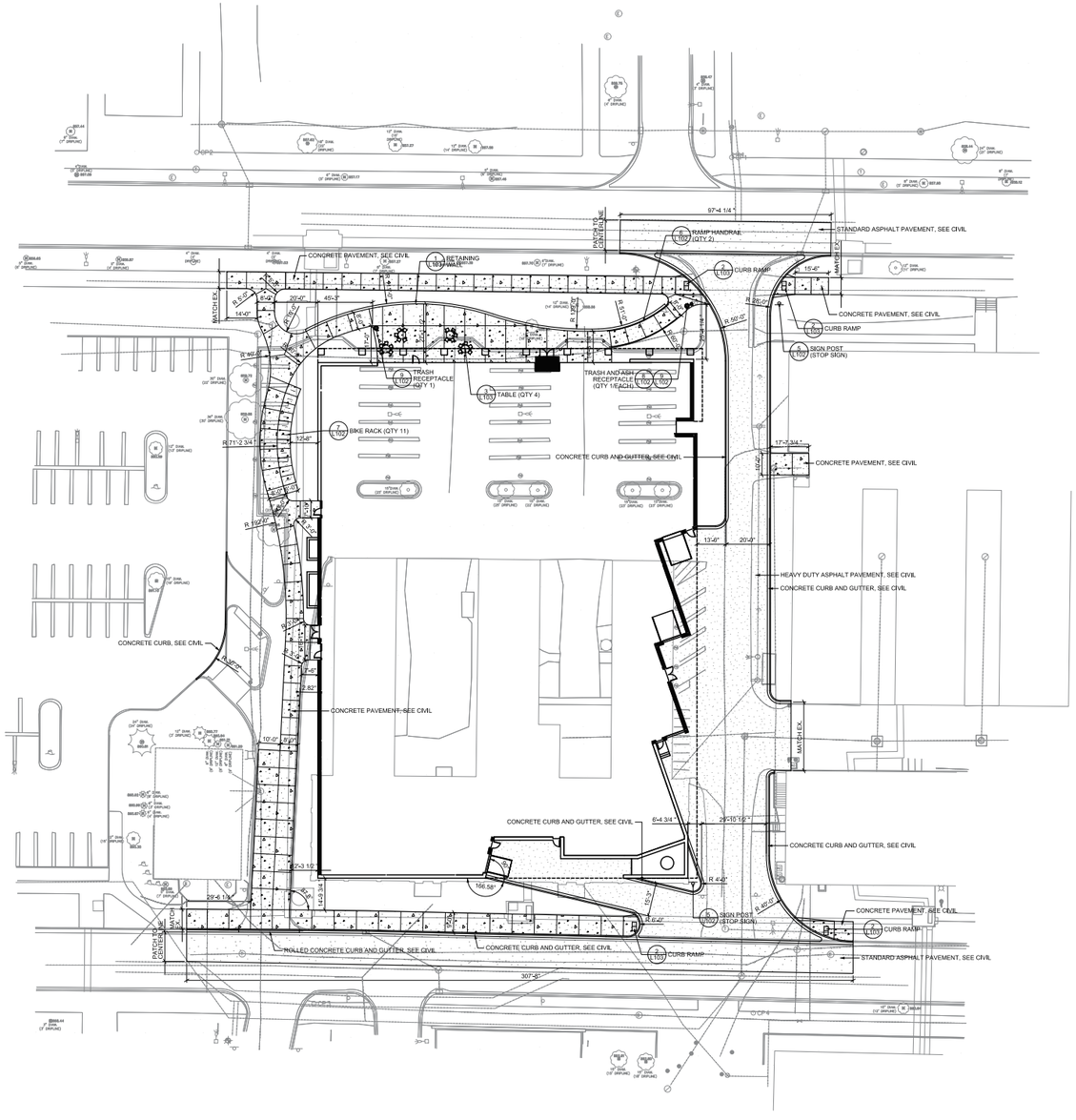

1 C300 **SITE LAYOUT PLAN**
SCALE: 1" = 20'-0"

LEGEND

EX	EXISTING
TYP.	TYPICAL
R x'-x"	RADIUS
	CONCRETE PAVEMENT, SEE CIVIL
	STANDARD ASPHALT PAVEMENT, SEE CIVIL
	HEAVY DUTY ASPHALT PAVEMENT, SEE CIVIL

NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY SURVEY INFORMATION AND SITE CONDITIONS PRIOR TO START OF CONSTRUCTION AND REPORT ANY DISCREPANCIES. CONTRACTOR SHALL CONTACT DIGGER'S HOTLINE AND UW-MADISON TO LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO START OF CONSTRUCTION. ANY DAMAGE CAUSED TO EXISTING UTILITIES, EITHER SHOWN OR NOT, SHALL BE REPAIRED AND PAID FOR AT THE CONTRACTOR'S EXPENSE.
2. CONTRACTOR SHALL PROTECT BENCHMARKS.
3. ALL TREES SHOWN TO BE RETAINED WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED WITH TREE PROTECTION FENCING. ALL TREE PROTECTION FENCING SHALL BE IN PLACE PRIOR TO ANY SITE WORK. SEE SPECIFICATION 31 13 16, "SELECTIVE TREE AND SHRUB PROTECTION AND TRIMMING" FOR PROTECTION REQUIREMENTS.

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Sheet Title: Site Layout Plan

Revisions:		
No.	Date	Description
	08/19/15	CITY SUBMITTAL

Graphic Scale	0' 10' 20' 30'
DFD Number	13I2Y
Set Type	CU
Date Issued	08/19/2015
Sheet Number	C300

Site Layout Plan

Meat Science and Muscle Biology Building - UW Madison
August 19, 2015

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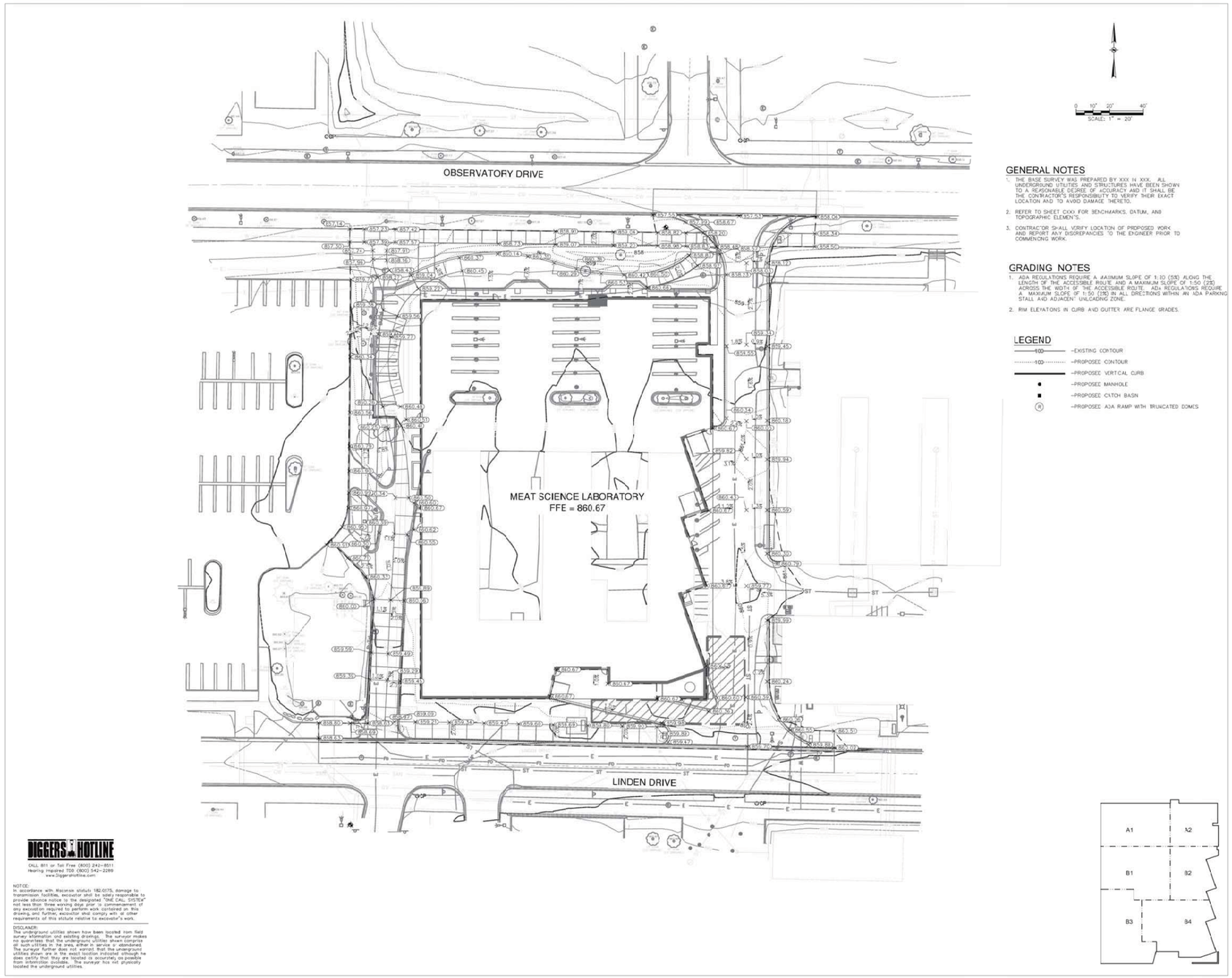

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2014.21.00

Consultant

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Department of Administration
Division of Facilities Development
Madison, Wisconsin

Meat Science Laboratory
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Sheet Title:
Site Grading Plan

Revisions:		
No.	Date	Description
	03/05-2015	DW R&M

Graphic Scale	As Noted
DFD Number	1312Y
Set Type	CU
Date Issued	08/04/2015
Sheet Number	C400

Site Grading Plan

Meat Science and Muscle Biology Building - UW Madison

August 19, 2015

GRAEF

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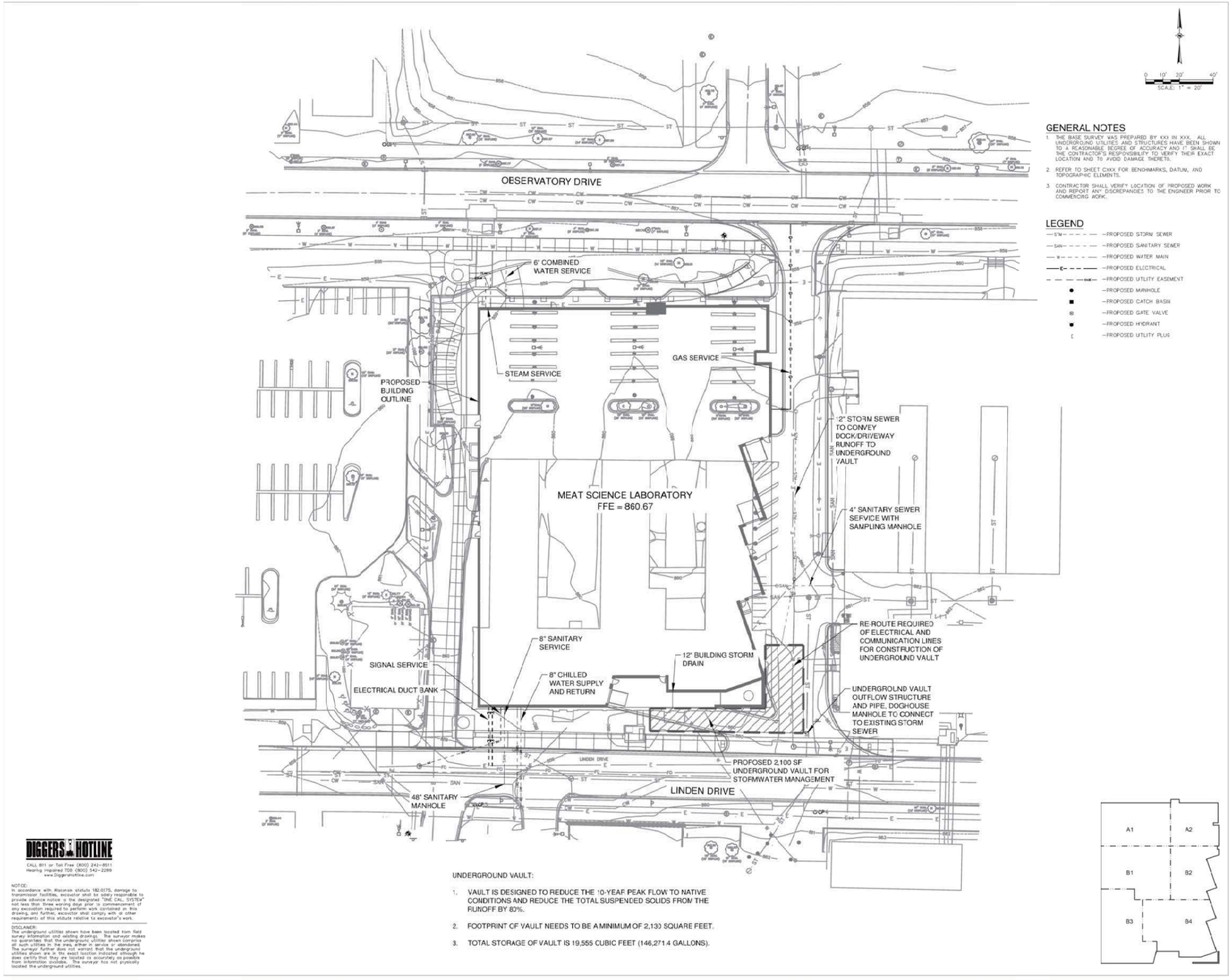

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NOTICE:
In accordance with Wisconsin statute 182.0175, damage to transmission facilities, excavator shall be solely responsible to provide advance notice o the designated "ONE CAL. SYSTEM" not less than three waring days prior to commencement of any excavation required to perform work contained in this drawing, and further, excavator shall comply with al other requirements of this statute relative to excavator's work.

DISCLAIMER:
The underground utilities shown have been located from field survey information and existing drawings. The surveyor makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated although he does certify that they are located as accurately as possible from information available. The surveyor has not physically located the underground utilities.

UNDERGROUND VAULT:

1. VAULT IS DESIGNED TO REDUCE THE 10-YEAR PEAK FLOW TO NATIVE CONDITIONS AND REDUCE THE TOTAL SUSPENDED SOLIDS FROM THE RUNOFF BY 80%.
2. FOOTPRINT OF VAULT NEEDS TO BE A MINIMUM OF 2,130 SQUARE FEET.
3. TOTAL STORAGE OF VAULT IS 19,555 CUBIC FEET (146,271.4 GALLONS).

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PLI Project No:
2014.21.00

Consultant:
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Department of Administration
Division of Facilities Development
Madison, Wisconsin

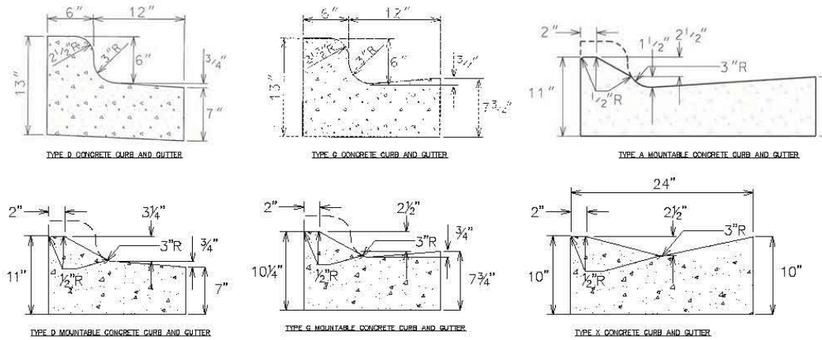
Meat Science Laboratory
UW - Madison

Sheet Title: Site Utility Plan

Revisions:

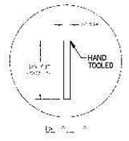
No	Date	Description
	08/05/2015	JW RFI#8

Graphic Scale	As Noted
DFD Number	1312Y
Set Type	CU
Date Issued	08/04/2015
Sheet Number	C500



NOTES:
1. LATERAL CONTRACTION JOINTS SHALL BE PLACED AT INTERVALS OF NOT MORE THAN 15' NOR LESS THAN 6' IN LENGTH. THE JOINTS SHALL BE A MINIMUM OF 3" IN DEPTH.
2. IN ALL CASES, CONCRETE CURB AND GUTTER SHALL BE PLACED ON THOROUGHLY COMPACTED CRUSHED STONE.
3. NO EXPANSION JOINT MATERIAL SHALL BE USED IN OR BEHIND CURB AND GUTTER.
4. CURBS SHALL BE BACKFILLED WITH THE APPROPRIATE SOIL MATERIAL AFTER CURB HAS ACHIEVED SPECIFIED STRENGTH AND PRIOR TO PLACING THE ADJACENT BASE COURSE AND PAVEMENT.
5. THERE SHALL BE NO REBAR IN CURB WHEN ABUTTING SIDEWALK.

1 CONCRETE CURB AND GUTTER
N.T.S.

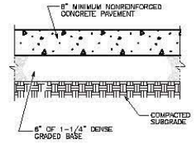


CONCRETE JOINT GUIDELINES:
1. CONSTRUCTION JOINTS, COMMONLY CALLED CONTROL JOINTS IN CONCRETE SLABS SHALL BE HAND TOOLED AND THEN SAWED 1/4" PER 1" OF DEPTH OF THE CONCRETE SLAB.
2. SAW CUT JOINTS WITHOUT HAND TOOLING ARE NOT ACCEPTABLE EXCEPT FOR STREETS AND OTHER LARGER PAVED AREAS OF THICKENED PAVEMENT PRIMARILY INTENDED FOR VEHICULAR TRAFFIC.
3. CONTROL JOINTS SHALL BE PLACED SO THAT THE TOTAL SQUARE FOOTAGE OF THE SLAB DOES NOT EXCEED 80 SQUARE FEET TOTAL SURFACE AREA AND BE PLACED TO GIVE THE CONCRETE WORK SOME ARTISTIC CONTINUITY.
4. THERE SHALL BE NO EXPANSION JOINT MATERIAL PLACED IN CONCRETE SIDEWALKS, CURB/GUTTERS, BETWEEN CURB AND ABUTTING SIDEWALK, BETWEEN SIDEWALK AND STAIRS, OR IN DRIVE APPROACHES UNLESS REVIEWED BY UW CIVIL ENGINEERS IN FP&M. DECISION TO PLACE EXPANSION JOINTS, THE PLACEMENT OF THE JOINTS, AND THE TYPE OF EXPANSION JOINT WILL REST WITH FP&M IF THE ARE DEEMED NECESSARY.

2 CONTROL JOINTS
N.T.S.
CURB & GUTTER
6" CONCRETE
7½" CONCRETE

ASPHALT PAVEMENT NOTES:
1. THE PAVEMENT SUBGRADE SHALL BE PREPARED AS FOLLOWS:
   A. APPROVED FILL FOR THE SUBGRADE SHALL BE PLACED WHERE REQUIRED IN MAXIMUM 8" THICK, LOOSE LIFTS AND COMPACTED TO AT LEAST 95% OF ITS MAXIMUM DRY DENSITY AND WITHIN 2% OF ITS OPTIMUM MOISTURE CONTENT. THE FILL MATERIAL'S MAXIMUM DRY DENSITY AND OPTIMUM MOISTURE CONTENT SHALL BE DETERMINED BY ASTM D698 (STANDARD PROCTOR).
   B. THE SUBGRADE SHALL BE PROOFROLLED WITH A MINIMUM 10 TON ROLLER. ANY SOFT AND YIELDING AREAS SHALL BE OVEREXCAVATED TO A FIRM AND COMPETENT MATERIAL AND BACKFILLED AS DESCRIBED ABOVE.
   C. AFTER PROOFROLLING, THE SUBGRADE SHALL BE GRADED AND SHAPED AS REQUIRED TO CONSTRUCT THE PAVEMENT AREAS IN CONFORMANCE WITH THE GRADES, LINES, AND THICKNESS SHOWN ON THE DRAWINGS. THE SUBGRADE SHALL PROVIDE A FIRM AND UNYIELDING FOUNDATION WITH NO SUDDENT, SHARP, OR ABRUPT CHANGES OR BREAKS IN GRADES. NO STANDING WATER OR EXCESS MOISTURE SHALL BE PRESENT. ALL SOFT AND YIELDING AREAS SHALL BE OVEREXCAVATED TO A FIRM AND COMPETENT MATERIAL, AND BACKFILLED AS DESCRIBED IN SPECIFICATIONS.
2. PLACE AGGREGATE BASE COURSE IN MAXIMUM 6" THICK LAYERS AND COMPACT EACH LIFT TO AT LEAST 95% OF THE AGGREGATE'S RELATIVE DENSITY, AS DETERMINED BY ASTM D4253 AND D4254.
3. THE BITUMINOUS COURSES SHALL BE COMPACTED TO AT LEAST 98% OF THEIR MARSHALL DENSITY, AS DETERMINED BY THE ASPHALT PLANT.

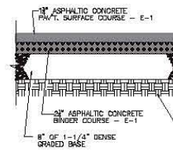
3 ASPHALT PAVEMENT NOTES
N.T.S.



NOTES:
1. MEDIUM BROOM FINISH PERPENDICULAR TO FLOW OF TRAFFIC.

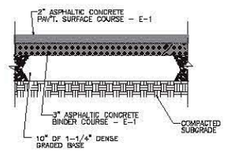
COLORED CONCRETE GENERAL NOTES & GUIDELINES:
1. FORMWORK SHALL BE INSTALLED AND THE SLAB THICKNESS SHALL BE 8".
2. CONTROL JOINTS SHALL BE AT A MINIMUM SPACING OF 6 FEET (TYP.) OR IN ACCORDANCE WITH THE PLANS.
3. CONCRETE SHALL BE PLACED AND SCREEDED TO THE FINISHED GRADE AND FLOATED TO A UNIFORM SURFACE IN THE STANDARD METHOD.
4. WHILE CONCRETE IS STILL IN THE PLASTIC STAGE OF SET, THE IMPRINTING TOOLS SHALL BE APPLIED TO MAKE THE DESIRED IMPRESSION TO THE SURFACE. THE PATTERN SHALL BE BRICKFORM TEXTURE MATS; ASHLAR CUT SLATE, MOLD #FM-3125.
5. COLOR SHALL BE BRICKFORM LIQUID COLOR; TERRA COTTA #LC-2235
6. REFER TO DETAIL 2/C902 FOR CONTROL JOINT.

7 STANDARD DUTY AND STAMPED COLORED CONCRETE SIDEWALK
N.T.S.



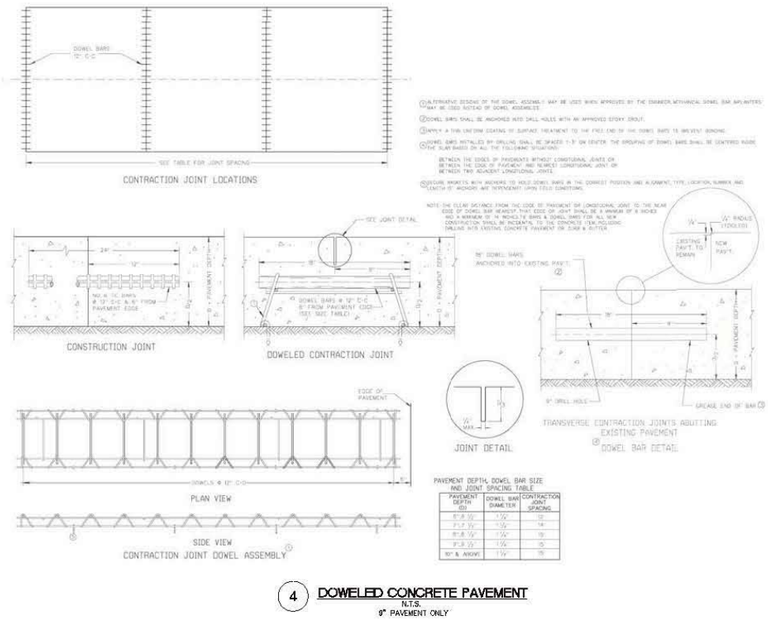
SEE 3/C902 FOR NOTES.

5 STANDARD ASPHALT PAVEMENT
N.T.S.



SEE 3/C902 FOR NOTES.

6 HEAVY DUTY ASPHALT PAVEMENT
N.T.S.



4 DOWELED CONCRETE PAVEMENT
N.T.S.
9" PAVEMENT ONLY

NOTES:
1. PLACE AT A MINIMUM EPOXY COATED 6X6, W2.9XW2.9 WWF 3" ABOVE SUBGRADE INTO THE SLAB.
2. MEDIUM BROOM FINISH PERPENDICULAR TO FLOW OF TRAFFIC.
3. REFER TO DETAIL 2/C902 FOR CONTROL JOINT.

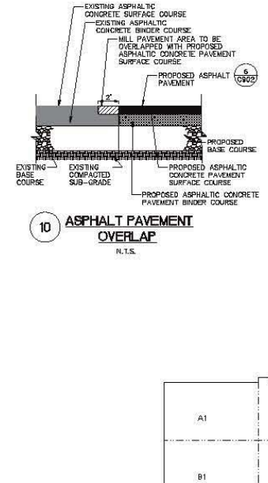
COLORED CONCRETE GENERAL NOTES & GUIDELINES:
1. FORMWORK SHALL BE INSTALLED AND THE SLAB THICKNESS SHALL BE 8".
2. CONTROL JOINTS SHALL BE AT A MINIMUM SPACING OF 6 FEET (TYP.) OR IN ACCORDANCE WITH THE PLANS.
3. CONCRETE SHALL BE PLACED AND SCREEDED TO THE FINISHED GRADE AND FLOATED TO A UNIFORM SURFACE IN THE STANDARD METHOD.
4. WHILE CONCRETE IS STILL IN THE PLASTIC STAGE OF SET, THE IMPRINTING TOOLS SHALL BE APPLIED TO MAKE THE DESIRED IMPRESSION TO THE SURFACE. THE PATTERN SHALL BE BRICKFORM TEXTURE MATS; ASHLAR CUT SLATE, MOLD #FM-3125.
5. COLOR SHALL BE BRICKFORM LIQUID COLOR; TERRA COTTA #LC-2235

8 HEAVY DUTY AND STAMPED COLORED CONCRETE PAVEMENT
N.T.S.

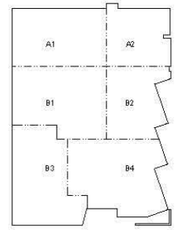
NOTES:
1. PLACE AT A MINIMUM EPOXY COATED REINFORCEMENT PER WISDOT SPECIFICATIONS.
2. MEDIUM BROOM FINISH PERPENDICULAR TO FLOW OF TRAFFIC.
3. REFER TO DETAIL 4/C902 FOR CONTROL JOINT.

COLORED CONCRETE CROSSWALK GENERAL NOTES & GUIDELINES:
1. FORMWORK SHALL BE INSTALLED AND THE SLAB THICKNESS SHALL BE 8".
2. CONTROL JOINTS SHALL BE AT A MINIMUM SPACING OF 6 FEET (TYP.) OR IN ACCORDANCE WITH THE PLANS.
3. CONCRETE SHALL BE PLACED AND SCREEDED TO THE FINISHED GRADE AND FLOATED TO A UNIFORM SURFACE IN THE STANDARD METHOD.
4. COLOR SHALL BE BRICKFORM LIQUID COLOR; TERRA COTTA #LC-2235

9 EXTRA HEAVY DUTY AND COLORED BROOM-FINISH CONCRETE PAVEMENT
N.T.S.



10 ASPHALT PAVEMENT OVERLAP
N.T.S.



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PLJ Project No: 2014.2100
Consultant:

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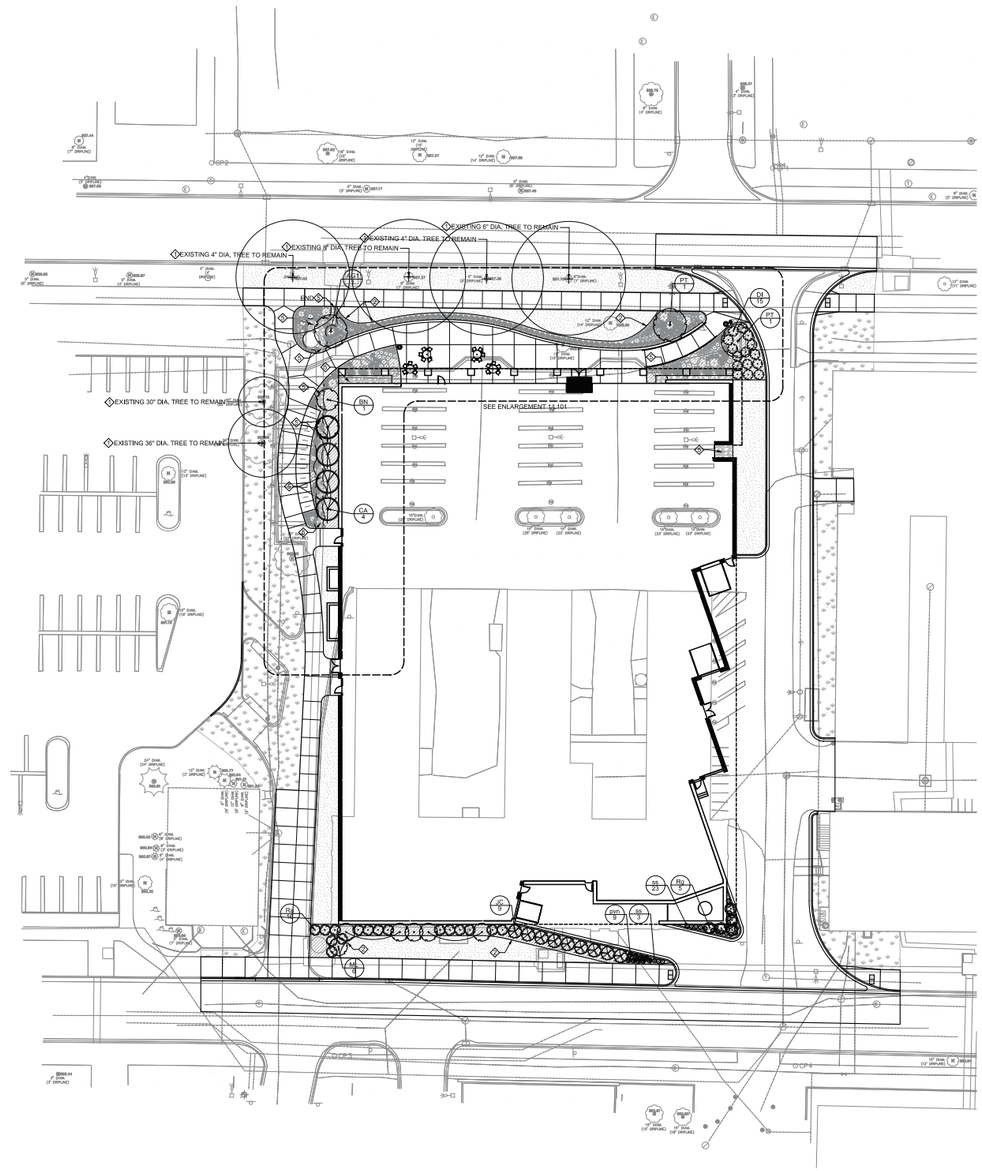
Madison, Wisconsin

Meat Science Laboratory
UW - Madison

Sheet Title: CONSTRUCTION DETAILS

No.	Date	Description
	05/05/2015	SM PKG

Graphic Scale	As Noted
DFD Number	1312Y
Bid Type	CU
Date Issued	08/04/2015
Sheet Number	C902



1 L100 **SITE PLANTING PLAN**
SCALE: 1" = 20'-0"

Plant List - L100

Key	Botanical Name	Common Name	Quantity	Size	Spec	Comments
	Ornamental Deciduous Trees					
AG1	*Amelanchier x grandiflora 'Robin Hill'*	Robin Hill Serviceberry	1	7' Ht.	B&B	Multistem, Specimen Form
BN	*Betula nigra 'Little King'*	Fox Valley River Birch	1	5' Ht.	B&B	Multistem Form
CA	*Carpinus caroliniana 'J.N. Globe'*	Ball O' Fire Musclewood	4	15 Gal.	Cont.	Tree Form; Space 12'-0" o.c.
ML	*Malus 'Lanzam'*	Lancelot Crabapple	6	5' Ht.	B&B	Tree Form; Space 10'-0" o.c.
PT	*Ptlea trifoliata*	Hoptree	2	5' Ht.	B&B	Specimen Form
	Evergreen Trees					
JC	*Juniperus chinensis 'Moultbatten'*	Mountbatten Juniper	9	5' Ht.	B&B	
	Shrubs, Deciduous					
DI	*Diervilla lonicera 'Jewel'*	Jewel Dwarf Bush Honeysuckle	15	2 Gal.	Cont.	Space 4'-6" o.c. or per Plan
Ra	*Rhus aromatica 'Gro-low'*	Gro-low Fragrant Sumac	16	3 Gal.	Cont.	Space 5'-0" o.c.
Rg	*Rhus glabra*	Smooth Sumac	5	2 Gal.	Cont.	Space per Plan
	Ornamental Grasses/Perennials/Groundcovers					
pvn	*Panicum virgatum 'Northwind'*	Northwind Switch Grass	9	1 Gal.	Cont.	Space 30" o.c.
ss	*Schizachyrium scoparium 'Blue Heaven'*	Blue Heaven Little Bluestem	26	1 Gal.	Cont.	Space 24" o.c.

City of Madison Landscape Worksheet
Meat Science and Muscle Biology Building, 1933 Observatory Drive
19-Aug-15
Zoning District CI

Developed Lots	SF	Minimum Open Space Required (SF)	Landscape Units Required	Landscape Points Subtotal
Total Developed Area	53,160	10,632	177	885
			Landscape Points Required:	885

Development Frontage	LF	Overstory Tree Req. (or x2 for Orn./Evrgrn. Tree Sub.)	Shrubs Required
Total LF of Street Frontage - Between Bldg./Parking & street	342	11	57

Element	Point Value	Quantity Proposed	Quantity Existing	Points Achieved
Overstory Deciduous Tree	35		4	140
Ornamental Tree	15	9		135
Evergreen Tree	15	9		126
Shrub, deciduous	2	49		98
Shrub, evergreen	3	8		24
Ornamental Grass	2	114		228
Ornamental Decorative Fence or Wall (4 pts/10 LF)	4			0
			Development Frontage Points Total	760

Interior Parking Lots	SF	Overstory Tree Req. (or x2 for Orn./Evrgrn. Tree Sub.)
Total Parking Lot Area	-	
Min. Parking Lot Islands (5%)	-	0

Element	Point Value	Quantity Proposed	Quantity Existing	Points Achieved
Overstory Deciduous Tree	35			0
Ornamental Tree	15			0
Evergreen Tree	15			0
Shrub, deciduous	2			0
Shrub, evergreen	3			0
Ornamental Grass	2			0
			Interior Parking Lots Points Total	0

General Site, Foundation, Screening				
Element	Point Value	Quantity Proposed	Quantity Existing	Points Achieved
Overstory Deciduous Tree	35		2	70
Ornamental Tree	15	5		75
Evergreen Tree	15			0
Shrub, deciduous	2			0
Shrub, evergreen	3			0
Ornamental Grass	2	10		20
Ornamental Decorative Fence or Wall (4 pts/10 LF)	4			0
			General Site Plantings Total	165
			TOTAL LANDSCAPE POINTS	925

LEGEND

1. BARK MULCH NEW BED/BASE OF TREE OR RE-MULCH EXISTING BED/BASE OF TREE
2. SHOVEL CUT EDGE
3. BULBS, PLANT IN CLUSTERS SPACED RANDOMLY THROUGHOUT THE PLANTING BED INDICATED. PLACE THREE BULBS PER HOLE.
4. BULBS, PLANT IN A SWEEP OF A SINGLE SPECIES IN AREA INDICATED, PLACE ONE BULB PER HOLE AND SPACE HOLES APPROXIMATELY 6 INCHES O.C.
5. DECORATIVE STONE

NEW SODDED LAWN
NEW SEEDED LAWN OR LAWN REPAIR
BARK MULCH / PLANTING BED
DECORATIVE STONE
ACCENT BOULDER

NOTES

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2. CONTRACTOR SHALL PROTECT BENCHMARKS.
3. ALL TREES SHOWN TO BE RETAINED WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED WITH TREE PROTECTION FENCING. ALL TREE PROTECTION FENCING SHALL BE IN PLACE PRIOR TO ANY SITE WORK. SEE SPECIFICATION 31 13 16, "SELECTIVE TREE AND SHRUB PROTECTION AND TRIMMING" FOR PROTECTION REQUIREMENTS.
4. ALL WRAPPINGS, WIRE BASKETS, BURLAP, AND OTHER MISCELLANEOUS MATERIAL SHALL BE COMPLETELY REMOVED FROM ALL SHRUB AND TREE ROOT BALLS PRIOR TO INSTALLATION.
5. ALL LAWN AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE RE-SODDED AT NO COST TO OWNER.
6. CONTRACTOR IS RESPONSIBLE FOR WATERING AND MAINTENANCE OF PLANT MATERIAL - SEE SPECIFICATION 32 97 00 FOR MORE INFORMATION.

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Potter Lawson
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PLT Project No: 2014.21.00
Consultant: KEN SAIKI DESIGN INC LANDSCAPE ARCHITECTS

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State of Wisconsin
Department of Administration
Division of Facilities Development
Madison, Wisconsin

Meat Science Laboratory
UW - Madison

Sheet Title: Site Planting Plan

Revisions:

No.	Date	Description
	08/19/15	CITY SUBMITTAL

Graphic Scale	0' 10' 20' 30'
DFD Number	13I2Y
Set Type	CU
Date Issued	08/19/2015
Sheet Number	L100

Site Planting Plan

Meat Science and Muscle Biology Building - UW Madison
August 19, 2015

KEN SAIKI DESIGN INC
Potter Lawson
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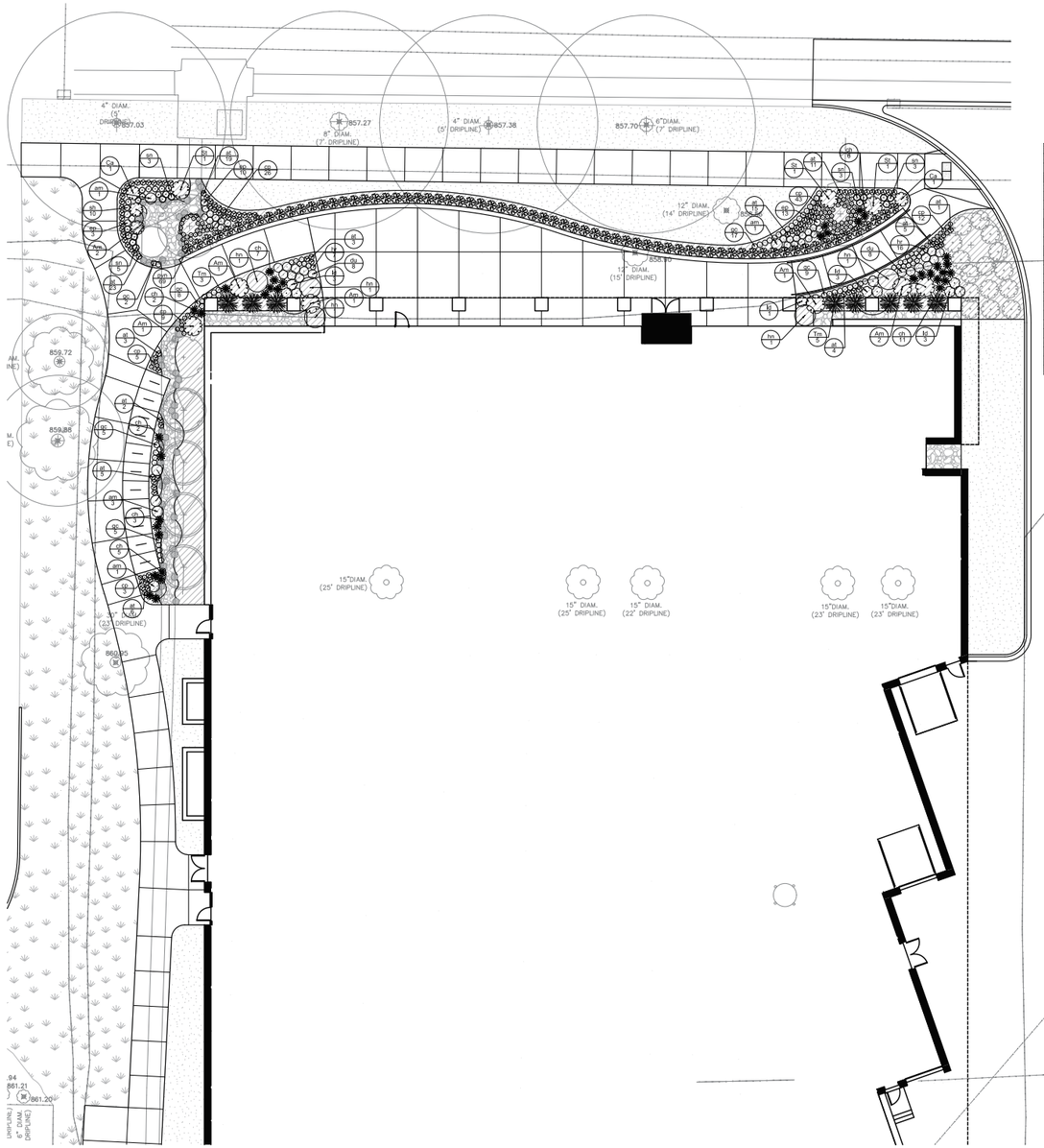


1 L101 **DETAILED SITE PLANTING PLAN**
SCALE: 1" = 10'-0"

Plant List - L101

Key	Botanical Name	Common Name	Quantity	Size	Spec	Comments
	Shrubs, Decduous					
Am	*Aronia melanocarpa var. elata*	Glossy Black Chokeberry	8	3 Gal.	Cont.	Space 4'-6" o.c. or per Plan
Ca	*Ceanothus americanus*	New Jersey Tea	2	1 Gal.	Cont.	Space 3'-0" o.c.
St	*Stephanandra incisa 'Crispa'*	Cutleaf Stephanandra	3	2 Gal.	Cont.	Space 4'-0" o.c.
	Shrubs, Eve-green					
Tm	*Taxus x meda 'Citation'*	Citation Yew	8	5 Gal.	Cont.	Space Per Plan
	Ornamental Grasses/Perennials/Groundcovers					
am	*Amsonia hubrichtii 'Halfway to Arkansas'*	Halfway to Arkansas Amsonia	6	1 Gal.	Cont.	Space per Plan
at	*Allium tanguticum 'Summer Beauty'*	Summer Beauty Allium	97	4-Inch	Pot	Space 15" o.c.
ch	*Chasmanthium latifolium*	Northern Sea Oats	36	1 Gal.	Cont.	Space 24" o.c.
cp	*Carex pennsylvanica*	Pennsylvania Sedge	98	4-Inch	Pot	Space 12" o.c.
du	*Dennstaedtiapunctilobula*	Hayscented Fern	16	1 Gal.	Cont.	Space 18" o.c.
ep	*Echinacea purpurea*	Purple Coneflower	26	1 Gal.	Cont.	Space 18" o.c.
gc	*Geranium x cantabrigiense 'Biokovo'*	Biokovo Cranesbill	46	4-Inch	Pot	Space 15" o.c.
hn	*Hosta nigrescens 'Krossa Regal'*	Krossa Regal Hosta	5	1 Gal.	Cont.	Space per Plan
hr	*Heucheria richardsonii*	Prairie Alumroot	23	4-Inch	Pot	Space 12" o.c.
ld	*Ligularia dentata 'Desdemona'*	Desdemona Ligularia	10	1 Gal.	Cont.	Space 30" o.c.
pvn	*Panicum virgatum 'Northwind'*	Northwind Switch Grass	69	1 Gal.	Cont.	Space 30" o.c.
sh	*Sporobolus heterolepis 'Tara'*	Tara Prairie Dropseed	10	1 Gal.	Cont.	Space 18" o.c.
sn	*Salvia nemorosa 'Cardonna'*	Cardonna Salvia	11	1 Gal.	Cont.	Space 18" o.c.

LEGEND

1. BARK MULCH NEW BED/BASE OF TREE OR RE-MULCH EXISTING BED/BASE OF TREE
2. SHOVEL CUT EDGE
3. BULBS. PLANT IN CLUSTERS SPACED RANDOMLY THROUGHOUT THE PLANTING BED INDICATED. PLACE THREE BULBS PER HOLE.
4. BULBS. PLANT IN A SWEEP OF A SINGLE SPECIES IN AREA INDICATED. PLACE ONE BULB PER HOLE AND SPACE HOLES APPROXIMATELY 6 INCHES O.C.
5. DECORATIVE STONE

NEW SODDED LAWN
NEW SEEDED LAWN OR LAWN REPAIR
BARK MULCH / PLANTING BED
DECORATIVE STONE
ACCENT BOULDER

NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY SURVEY INFORMATION AND SITE CONDITIONS PRIOR TO START OF CONSTRUCTION AND REPORT ANY DISCREPANCIES. CONTRACTOR SHALL CONTACT DIGGER'S HOTLINE AND UW-MADISON TO LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO START OF CONSTRUCTION. ANY DAMAGE CAUSED TO EXISTING UTILITIES, EITHER SHOWN OR NOT, SHALL BE REPAIRED AND PAID FOR AT THE CONTRACTOR'S EXPENSE.
2. CONTRACTOR SHALL PROTECT BENCHMARKS.
3. ALL TREES SHOWN TO BE RETAINED WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED WITH TREE PROTECTION FENCING. ALL TREE PROTECTION FENCING SHALL BE IN PLACE PRIOR TO ANY SITE WORK. SEE SPECIFICATION 31 13 16, "SELECTIVE TREE AND SHRUB PROTECTION AND TRIMMING" FOR PROTECTION REQUIREMENTS.
4. ALL WRAPPINGS, WIRE BASKETS, BURLAP, AND OTHER MISCELLANEOUS MATERIAL SHALL BE COMPLETELY REMOVED FROM ALL SHRUB AND TREE ROOT BALLS PRIOR TO INSTALLATION.
5. ALL LAWN AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE RE-SODDED AT NO COST TO OWNER.
6. CONTRACTOR IS RESPONSIBLE FOR WATERING AND MAINTENANCE OF PLANT MATERIAL - SEE SPECIFICATION 32 97 00 FOR MORE INFORMATION.

DIGGERS HOTLINE
Toll Free (800) 242-8511
Milwaukee Area (414) 259-1181
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

Potter Lawson
Success by Design
PLI Project No: 2014.21.00
Consultant: KEN SAIKI DESIGN INC LANDSCAPE ARCHITECTS

PRELIMINARY
NOT FOR CONSTRUCTION

State of Wisconsin
Department of Administration
Division of Facilities Development
Madison, Wisconsin

Meat Science Laboratory
UW - Madison

Sheet Title: Detailed Site Planting Plan

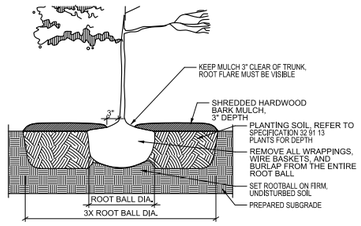
Revisions:		
No.	Date:	Description:
	08/19/15	CITY SUBMITTAL

Graphic Scale	0' 5' 10' 15'
DFD Number	13I2Y
Set Type	CU
Date Issued	08/19/2015
Sheet Number	L101

Detailed Site Planting Plan

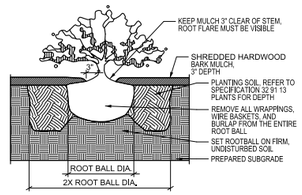
Meat Science and Muscle Biology Building - UW Madison
August 19, 2015

KEN SAIKI DESIGN INC
Potter Lawson
Success by Design



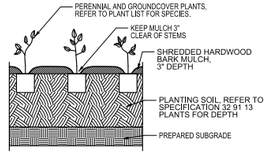
1 L102 TREE PLANTING

NOT TO SCALE



2 L102 SHRUB PLANTING

NOT TO SCALE



3 L102 PERENNIAL PLANTING

NOT TO SCALE

NOT USED

4 L102 NOT USED

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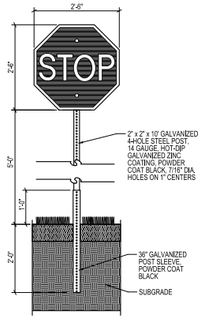
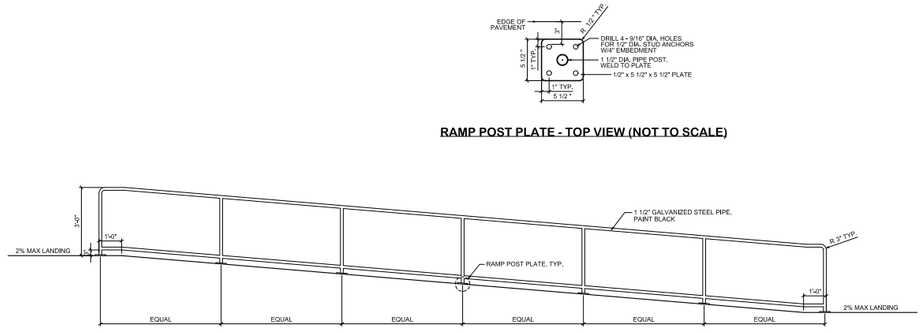


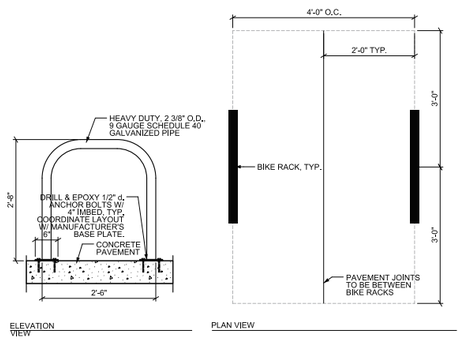
5 L102 SIGN POST

SCALE: 3/4" = 1'-0"



6 L102 RAMP HANDRAIL

SCALE: 1/2" = 1'-0"



7 L102 BIKE RACK

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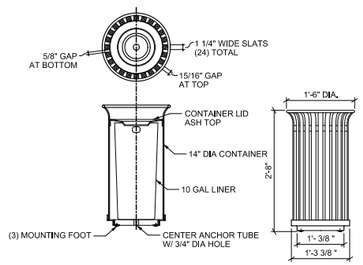
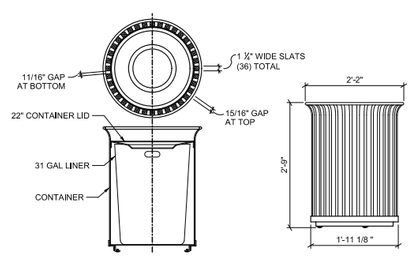


8 L102 ASH RECEPTACLE

SCALE: 1" = 1'-0"



9 L102 TRASH RECEPTACLE

SCALE: 1" = 1'-0"

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Consultant: KEN SAIKI DESIGN INC LANDSCAPE ARCHITECTS

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State of Wisconsin
Department of Administration
Division of Facilities Development
Madison, Wisconsin

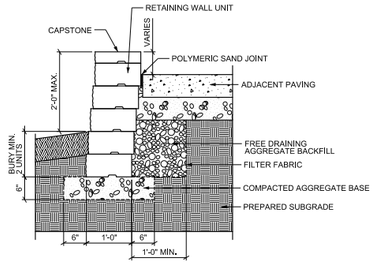
Meat Science Laboratory
UW - Madison

Sheet Title: Site and Planting Details

Revisions:

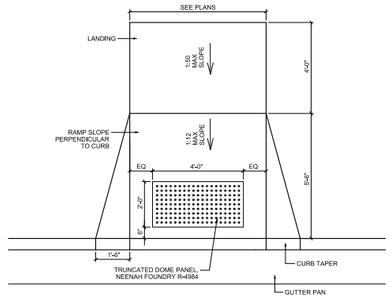
No.	Date	Description
	08/19/15	CITY SUBMITTAL

Graphic Scale	VARIES
DFD Number	13I2Y
Set Type	CU
Date Issued	08/19/2015
Sheet Number	L102



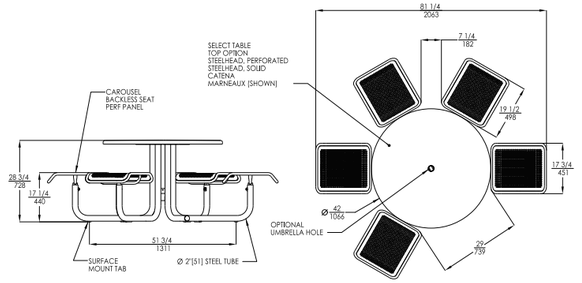
1 L103 RETAINING WALL

SCALE: 1" = 1'-0"



2 L103 CURB RAMP

SCALE: 1/2" = 1'-0"



3 L103 TABLE

SCALE: 3/4" = 1'-0"

Potter Lawson
Success by Design

PLI Project No:
2014.21.00

Consultant:
KEN SAIKI DESIGN INC
LANDSCAPE ARCHITECTS

PRELIMINARY
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State of Wisconsin
Department of Administration
Division of Facilities Development
Madison, Wisconsin

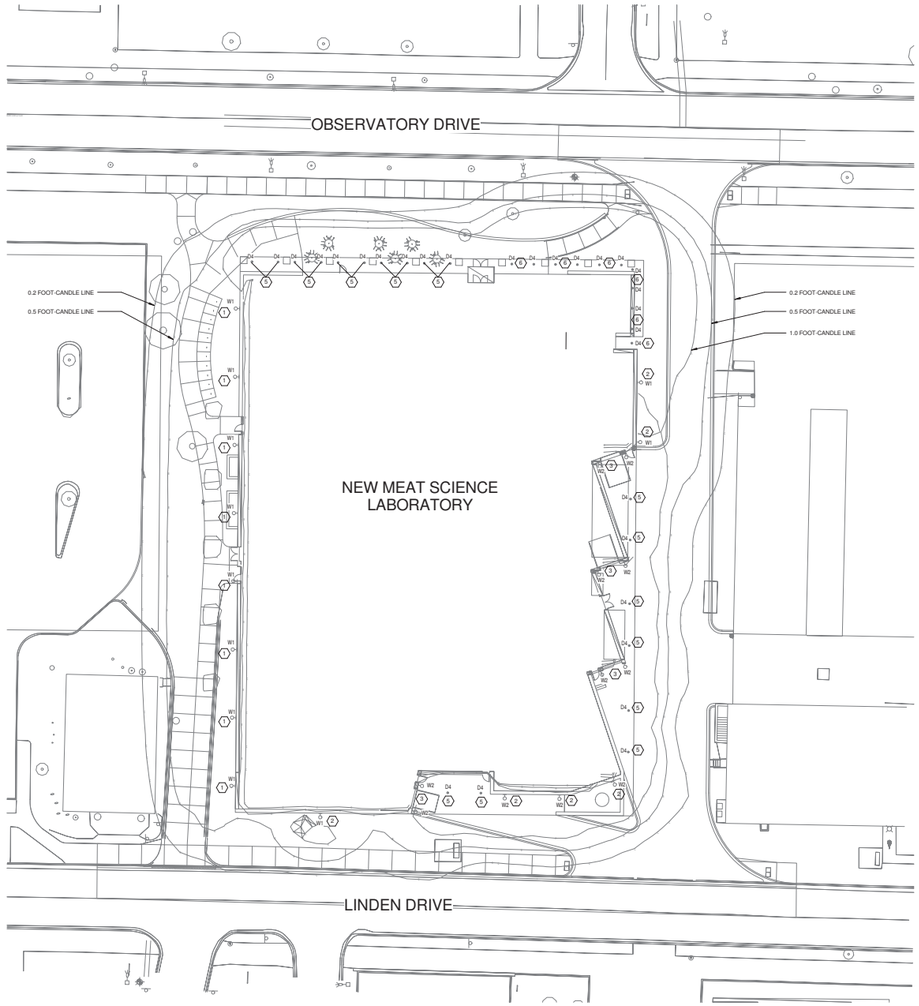
Meat Science Laboratory
UW - Madison

Sheet Title:
Site Details

Revisions:

No.	Date:	Description:
	08/19/15	CITY SUBMITTAL

Graphic Scale	VARIES
DPD Number	13I2Y
Set Type	CU
Date Issued	08/19/2015
Sheet Number	L103



1 E002 SITE LIGHTING PLAN — NORTH

GENERAL NOTES:

1. LIGHT LEVELS SHOWN ARE MAINTAINED ILLUMINATION LEVELS AT GRADE.

KEY NOTES:

1. LIGHT FIXTURE INSTALLED AT 18' ABOVE FIRST FLOOR.
2. LIGHT FIXTURE INSTALLED AT 12' ABOVE FIRST FLOOR.
3. LIGHT FIXTURE INSTALLED AT 13' 6" ABOVE FIRST FLOOR.
4. DOWN LIGHT RECESSED IN FIRST FLOOR EXTERIOR SOFFIT.
5. DOWN LIGHT RECESSED IN SECOND FLOOR EXTERIOR SOFFIT.

Potter Lawson
Success by Design

PLI Project No: 2014.21.00

Consultant:

PRELIMINARY
NOT FOR CONSTRUCTION

State of Wisconsin
Department of Administration
Division of Facilities Development

University of Wisconsin - Madison
Madison, Wisconsin

Meat Science Laboratory
University of Wisconsin - Madison
Madison, Wisconsin

Sheet Title: SITE LIGHTING PLAN

Revisions:		
No.	Date:	Description:

Graphic Scale	0' 10' 20' 30'
DFD Number	13I2Y
Set Type	CU
Date Issued	08/19/2015
Sheet Number	E002

8/18/2015 8:06:34 AM

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HALO LED ICAT HOUSING for NEW CONSTRUCTION

The H750ICAT is a dedicated LED new construction housing to be used with designated HALO LED modules.The H750ICAT is designed for insulated ceilings and can be in direct contact with ceiling insulation*. This AIRTITE housing design prevents airflow between conditioned and unconditioned spaces and saves on both heating and air conditioning costs. The LED connector system provides high efficacy code compliance when used with designated HALO LED modules and trims.

HALO®

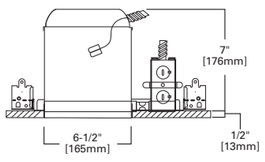
Catalog #		Type
Project		
Comments		Date
Prepared by		

DESIGN FEATURES

Housings
Aluminum construction for greater heat dissipation. H750 ICAT housing is gasketed to prevent airflow from heated or air conditioned spaces.

Plaster Frame
Galvanized steel frame. Housing adjusts in plaster frame to accommodate up to 1" ceiling thickness. Regressed locking screw for securing hanger bars. Cutouts included for easily crimping hanger bars in position

Slide-N-Side™ Junction Box
- Positioned to accommodate straight conduit runs.
- Seven ½" trade size conduit knockouts with true pry-out slots.
- Slide-N-Side wire traps allow non metallic sheathed cable to be installed without tools and without removing knockouts.
- Allows wiring connections to be made outside the box.
- Simply insert the cable directly into the trap after connections are made.
- Accommodates the following standard non-metallic sheathed cable type:
- U.S. #14/2, #14/3, #12/2, #12/3
- Canada: #14/2, #14/3, #12/2



GOT NAIL! Pass -N-Thru™ Bar Hangers
Bar Hanger features include
- Pre-installed nail easily installs in regular lumber, engineered lumber and laminated beams.
- Safety and Guidance system prevents snagging, ensures smooth, straight nail penetration and allows bar hangers to be easily removed if necessary
- Automatic leveling flange aligns the housing and allows holding the housing in place with one hand while driving nails.
- Housing can be positioned at any point within 24" joist spans
- Score lines allow tool-free shortening for 12" joists and bar hangers do not need to be removed for shortening.
- Bar hangers may be repositioned 90° on plaster frame
- Integral T-bar clip snaps onto T-bars – no additional clips are required.

LED Module Connection
Halo LED modules simply install with a plug-in 120V-277V rated line voltage wiring connector (UL and CSA Listed Luminaire Disconnect). This non-screw-base connection preserves the high efficacy rating and prevents use of low efficacy incandescent sources (see LED Module specifications).

Caution
Connection is rated for 120V and 277V input. Installer must verify LED module voltage is compatible with the applicable voltage input. If uncertain, consult a qualified electrician.

Labels
- UL/cUL Listed 1598 Luminaire
- CE Marking - "Conformité Européene" conformity with the Council of European Communities Directives, meeting internationally recognized compliance when used with ML56 Series LED modules
- UL/cUL Listed for Feed Through
- UL/cUL Listed for Damp Location
- UL/cUL Listed for Wet Location with select trims
- UL/cUL Listed for direct contact with insulation and combustible material*
- Rated for 20W maximum

Qualification
May be used with qualified Halo LED modules and designated trims for High Efficacy Luminaire Compliance:
- State of California Title 24
- International Energy Conservation Code (IECC)
- Washington State Energy Code
- New York State Energy Conservation Construction Code - AIR-TITE™ Compliant
- Certified under ASTM-E283 standard for air-tight construction

H750ICAT

6" New Construction IC AIR-TITE™ Housing For Halo LED Modules and Trims
- ML56 Series
- RL56 Series
- RA56 Series

High Efficacy LED Housing

FOR USE IN INSULATED CEILINGS

FOR DIRECT CONTACT WITH INSULATION*

Qualified and compliant with select trims. Refer to ENERGY STAR® Qualified Products List and CEC (T24) Appliance Database for listings.

Cooper Lighting by EATON

* Not to be used in direct contact with spray foam insulation.

ADV141509
6/17/2014

SEC-EDG-4M/4MB-WM

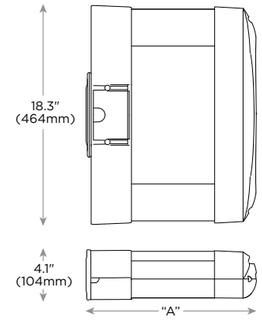
Cree Edge™ Security Wall Pack Luminaire – Type IV Medium – Wall Mount

Product Description

Slim, low profile design. Luminaire end cap is rugged die cast aluminum with integral, weathertight LED driver compartments and high performance aluminum heat sinks specifically designed for LED applications. Housing is rugged aluminum. Furnished with low copper lightweight mounting box designed for installation over standard and mud ring single gang J-Boxes. Secures to wall with four 3/16" (5mm) screws (by others). Conduit entry from top, bottom, sides and rear. Allows mounting for uplight or downlight. Designed and approved for easy through-wiring. Includes leaf / debris guard.

Performance Summary

- Utilizes BetaLED® Technology
- Patented NanoOptic® Product Technology
- Made in the U.S.A. of U.S. and imported parts
- **CRI:** Minimum 70 CRI
- **CCT:** 5700K (+ / - 500K) Standard, 4000K (+ / - 300K)
- **Limited Warranty†:** 10 years on luminaire / 10 years on Colorfast DeltaGuard® finish



LED Count (x10)	Dim. "A"
02	9.9" (251mm)
04	11.9" (303mm)
06	13.9" (353mm)
08	15.9" (404mm)
10	17.9" (455mm)
12	19.9" (505mm)

Accessories

Field Installed Accessories
XA-BRDSPK Bird Spikes

Ordering Information

Example: SEC-EDG-4M-WM-02-E-UL-SV-350-OPTIONS

SEC-EDG		WM		E				
Product	**Optic**	**Mounting**	**LED Count (x10)**	**Series**	**Voltage**	**Color Options**	**Drive Current**	**Options**
SEC-EDG	**4M** Type IV Medium **4MB** Type IV Medium w/ BLS	**WM** Wall	**02** **04** **06** **08** **10** **12**	**E**	**UL** Universal 120–277V **UH** Universal 347–480V **34** 347V	**SV** Silver (Standard) **BK** Black **BZ** Bronze **PB** Platinum Bronze **WH** White	**350** 350mA **525*** 525mA **700**** 700mA	**40K 4000K Color Temperature** - Color temperature per luminaire **DIM 0–10V Dimming** - Control by others - Refer to dimming spec sheet for details - Can't exceed specified drive current **F Fuse** - Not available with UH or 34 voltages - Not available with all ML options. Refer to ML spec sheet for availability with ML options **P Photocell** - Not available with all ML options. Refer to ML spec sheet for availability with ML options - Must specify voltage other than UH **ML Multi-Level** - Refer to ML spec sheet for details

† See www.cree.com/lighting/products/warranty for warranty terms
* Available on luminaires with 20–80 LEDs
** Available on luminaires with 20–60 LEDs

BetaLED TECHNOLOGY

Rev. Date: 12/20/13

CREE®

www.cree.com/lighting T (800) 236-6800 F (262) 504-5415

Job:
Type:
Notes:

120 LINE LED

121 LED Performance Sconce - Generation 2

The Philips Gardco 121 LED Performance Sconce provides an energy efficient, architecturally pleasing solution for wall mount applications. The sloped surface ribs of the die cast aluminum housing create a distinctly unique aesthetic element, and perform important functions in the Philips Gardco thermal management system. 121 Generation 2 luminaires feature high performance Class 1 LED systems. The high performance LED optical systems produce full cutoff performance, minimizing glare and light trespass. Philips Gardco's LED technology provides maximized light output and maximum energy savings.

PREFIX	OPTICAL SYSTEM	LED WATTAGE	LED SELECTION	VOLTAGE	FINISH	OPTIONS

Enter the order code into the appropriate box above. Note: Philips Gardco reserves the right to refuse a configuration. Not all combinations and configurations are valid. Refer to notes below for exclusions and limitations. For questions or concerns, please consult the factory.

PREFIX

121	121 LED Performance Sconce - Constant Wattage / Full Light Output
121-MR	121 LED Performance Sconce - Motion Response
121-DIM	121 LED Performance Sconce - 0 - 10V Dimming
121-APD	121 LED Performance Sconce - Automatic Profile Dimming
121-DCC	121 LED Performance Sconce - Dual Circuit Control

OPTICAL SYSTEM

2	Type 2
3	Type 3
4	Type 4
MT	Medium Throw

All optical systems are supplied with a clear glass lens standard. A Diffuse Lens (DL) option is available, See **OPTIONS** *on Page 2.*

LED WATTAGE AND LUMEN VALUES

Single LED Array Wattages, Available in 121, 121-MR, 121-DIM and 121-APD Only

Ordering Code	Average System Watts[1]	LED Current (mA)	LED Quantity - Single LED Array	LED Selection	Luminaire Initial Absolute Lumens[2]			
					TYPE 2	TYPE 3	TYPE 4	MT
18LA	18	350	16	NW	1,673	1,707	1,609	2,022
26LA	26	530	16	NW	2,442	2,485	2,345	2,927
35LA-700	36	700	16	NW	3,102	3,139	2,972	3,650
35LA-350	35	350	32	NW	3,664	3,736	3,523	4,425
50LA	52	530	32	NW	5,587	5,685	5,365	6,697
75LA	72	700	32	NW	6,199	6,538	6,296	7,289

Dual LED Array Wattages, Available in 121-DCC Only

Ordering Code	Average System Watts[1]	LED Current (mA)	LED Quantity - Dual LED Arrays		LED Selection	Luminaire Initial Absolute Lumens[2]			
			Per LED Array	Total LEDs		TYPE 2	TYPE 3	TYPE 4	MT
35LA-2	35	350	16	32	NW	3664	3,736	3,523	4,425
50LA-2	52	530	16	32	NW	5587	5,685	5,365	6,697
75LA-2	72	700	16	32	NW	6199	6,538	6,296	7,289

1. *Wattage may vary by +/- 8% due to LED manufacturer forward volt specification and ambient temperature. Wattage shown is average for 120V through 277V input. Actual wattage may vary by an additional +/- 10% due to actual input voltage.*
2. *Values shown are for luminaires without the DL option. Tests are in process for configurations not shown. "(s)" following the value indicates that values are scaled from tests on similar, but not identical luminaire configurations. Contact Gardco.applications@ philips.com if any approximate estimates are required for design purposes. Lumen values based on tests performed in compliance with IESNA LM-79.*

LED SELECTION

CW	Cool White - 5700°K - 75 CRI Nominal
NW	Neutral White - 4000°K - 70 CRI Nominal
WW	Warm White - 3000°K - 80 CRI Nominal

VOLTAGE

120	
208	
240	
277	
UNIV	Accepts 120V through 277V input, 50hz to 60hz.
347	347V - Requires Extended Back Box, which is provided standard. Requires and includes auxilliary transformer mounted in Extended Back Box.

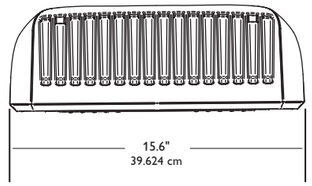
FINISH

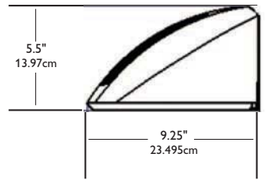
BRP	Bronze Paint
BLP	Black Paint
WP	White Paint
NP	Natural Aluminum Paint
BGP	Beige Paint
OC	Optional Color Paint *Specify Optional Color or RAL ex: OC-LGP or OC-RAL7024.*
SC	Special Paint *Specify. Must supply color chip.*

OPTIONS

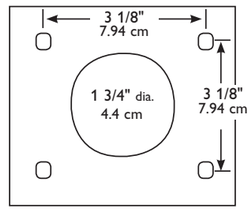
F	Fusing *(Provide specific inpout voltage)*
DL	Solite Diffusing Glass Lens *(Reduces performance significantly.)*
PCB	Button Type Photocontrol *(Provide specific inpout voltage)*
WS	Wall Mounted Box for Surface Conduit *(Rear entry permitted.)*
EBB	Extended Back Box *(Provided standard with 347V luminaires.)*

DIMENSIONS





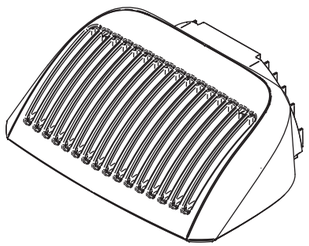
Mounting Plate

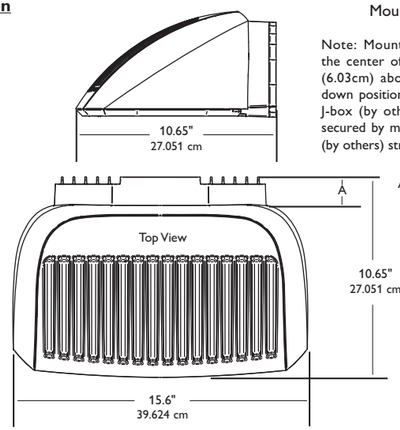


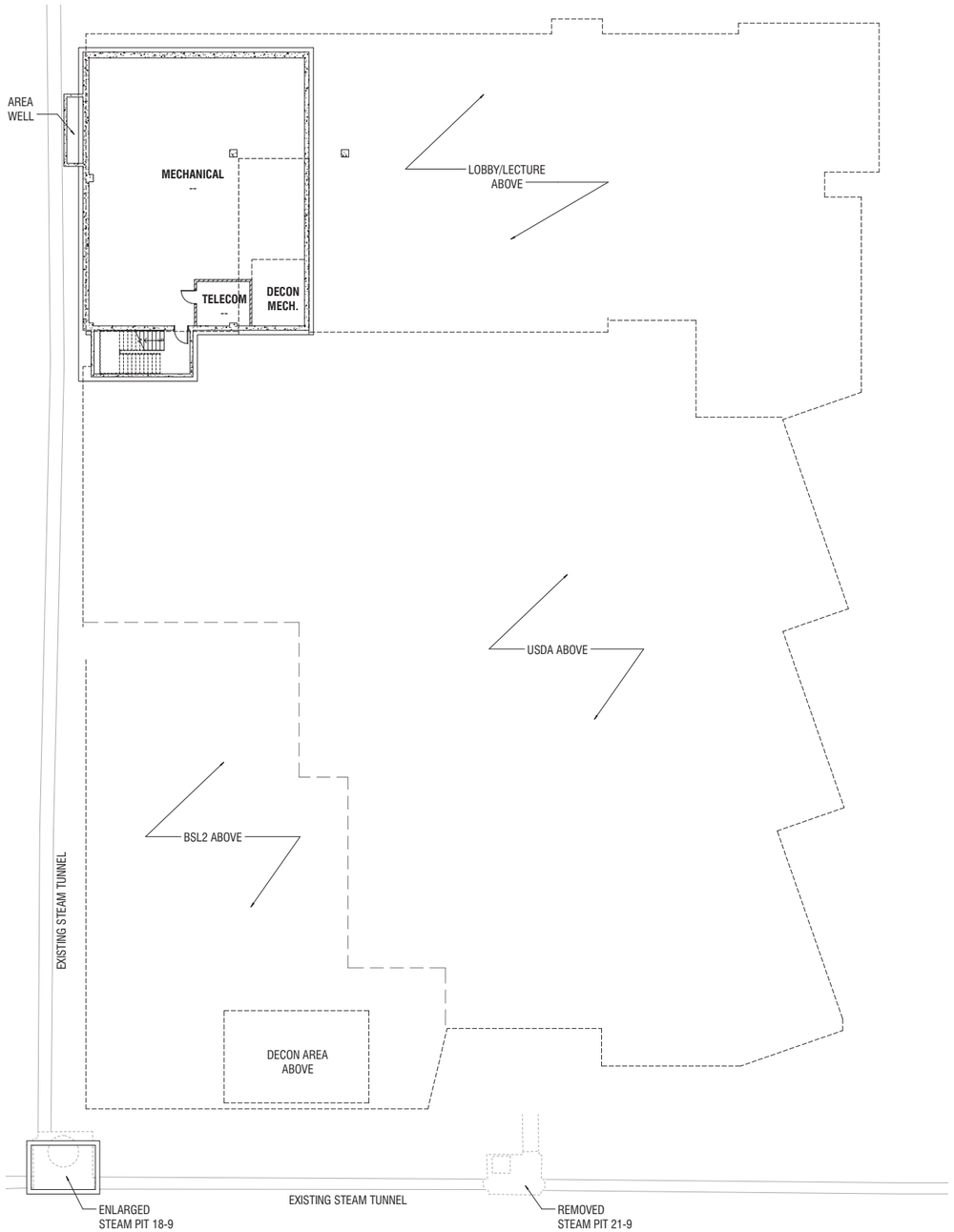
Mounting Bolt Pattern

Note: Mounting plate center is located in the center of the luminaire width and 2.38" (6.03cm) above the luminaire bottom (lens down position). Splices must be made in the J-box (by others). Mounting plate must be secured by max. 5/16" (.79cm) diameter bolts (by others) structurally to the wall.

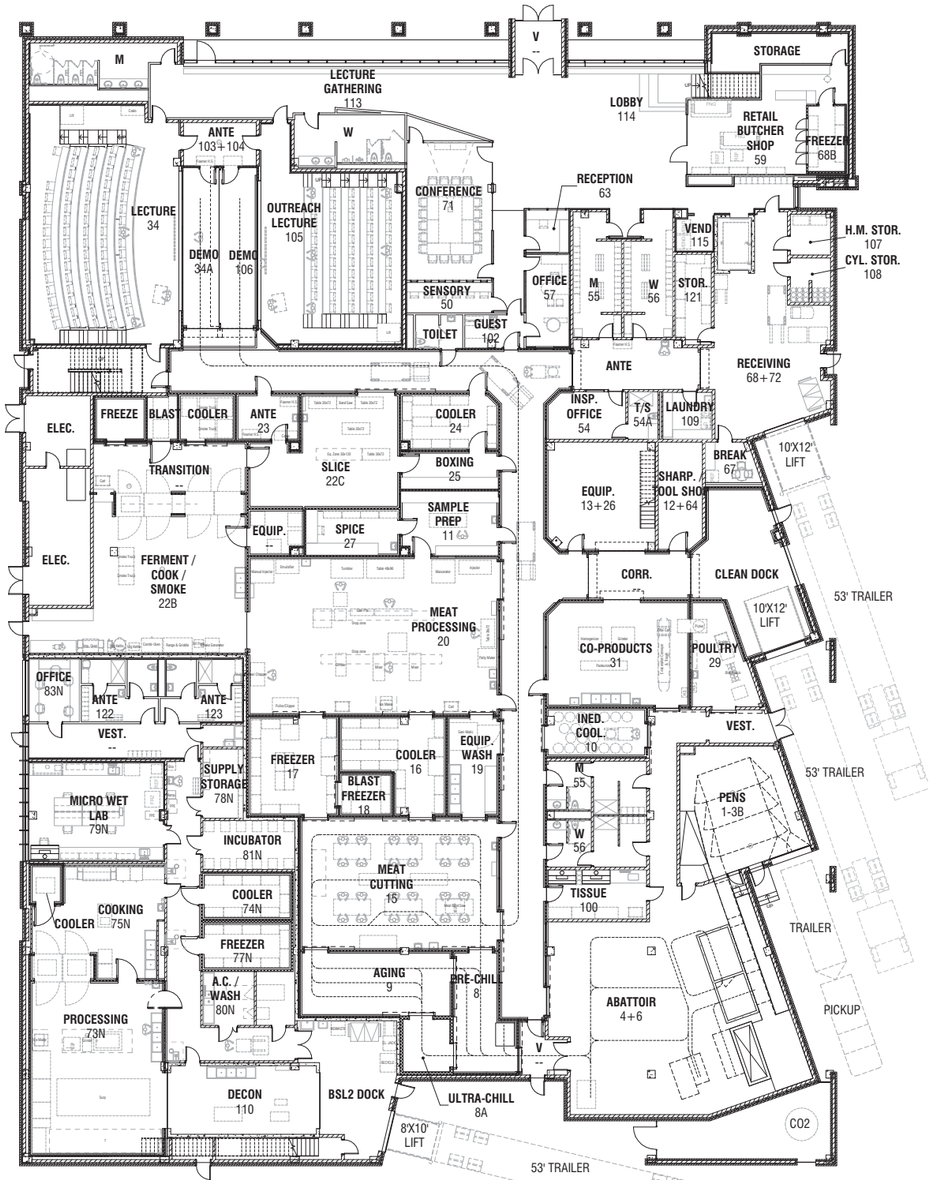
With Extended Back Box (EBB) Option







BASEMENT



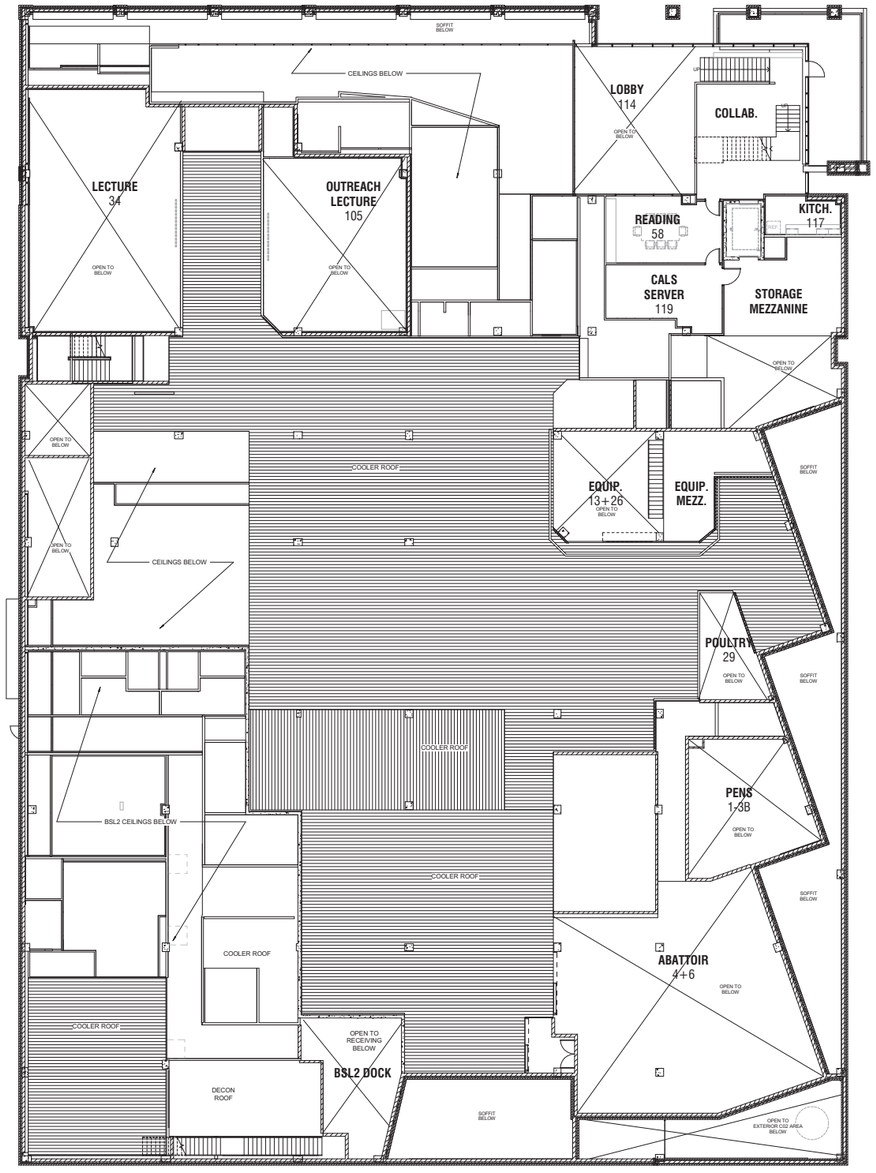
FIRST FLOOR

Building Floor Plans

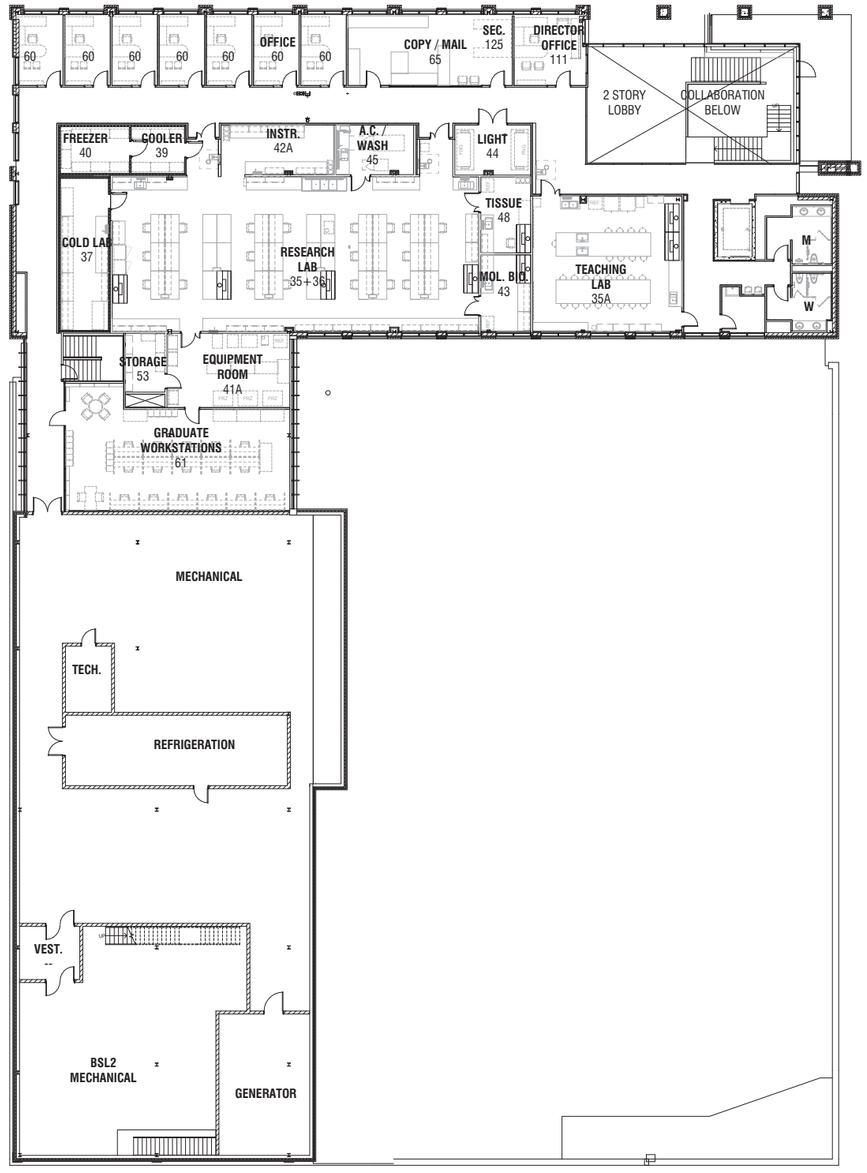
Meat Science and Muscle Biology Building - UW Madison

August 19, 2015

Potter Lawson
Success by **Design**



MID-LEVEL



SECOND FLOOR

NORTH ELEVATION

EAST ELEVATION

Building Elevations

Meat Science and Muscle Biology Building - UW Madison

August 19, 2015

Potter Lawson
Success by **Design**

SOUTH ELEVATION

WEST ELEVATION

Building Elevations

Meat Science and Muscle Biology Building - UW Madison

August 19, 2015

Potter Lawson

Success by **Design**

9.0 DEMOLITION EVALUATION

August 3, 2015

Amy Scanlon
Madison Landmarks Commission
Department of Planning & Development
215 Martin Luther King, Jr. Blvd.
Madison, WI 53701-2985

RE: HISTORIC EVALUATION OF THE SEED BUILDING (UW#0119, WHS#160463) AT 1930 LINDEN DRIVE ON THE UNIVERSITY OF WISCONSIN-MADISON CAMPUS

Please accept this information packet in regards to the historical evaluation of the Seed Building (Agronomy Seed Laboratory) on the UW-Madison campus. This information is being provided for your information and review. Please respond with any comments or approval, as it is our understanding the demolition of the Seed Building will not trigger a landmarks commission submittal based on our assembled information. We value your knowledge as preservation planner for the city and its importance to development projects here at UW.

The currently named Seed Building at 1930 Linden Drive was built in 1940 as a central seed storage facility for the university. The brick building was connected to two existing Trachte structures. A third Trachte structure was also added at the time of this project. The astylistic utilitarian building was designed by university architect, Arthur Peabody. I've attached an excerpt from Jim Feldman's book "The Buildings of the University of Wisconsin" for your reference.

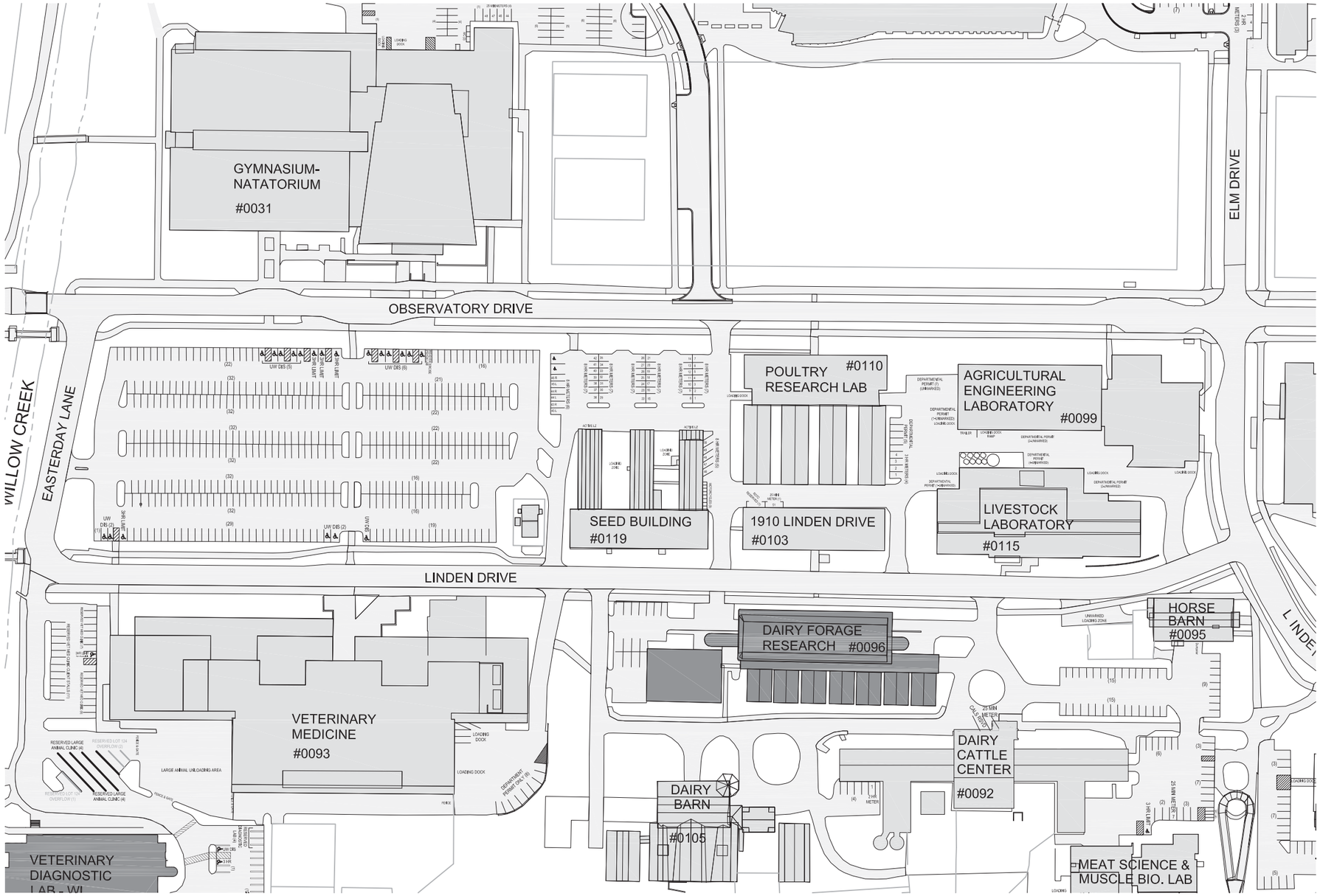
Review of the plans will indicate where the existing structure currently resides and how the proposed building will develop in this area. I thank you for your timely response to this matter.

Aaron J. Williams
Assistant Campus Planner & Zoning Coordinator
Facilities Planning & Management, University of Wisconsin-Madison

cc: Gary Brown, Director, Campus Planning & Landscape Architecture
Stu LaRose, Project Manager Meat Science and Muscle Biology Building

Facilities Planning & Management

856C WARF Building University of Wisconsin-Madison 610 Walnut Street Madison, Wisconsin 53726-2397
(608) 265-3444 FAX (608) 262-6801


GYMNASIUM-
NATATORIUM
#0031
OBSERVATORY DRIVE
ELM DRIVE
WILLOW CREEK
EASTERDAY LANE
POULTRY
RESEARCH LAB
#0110
AGRICULTURAL
ENGINEERING
LABORATORY
#0099
SEED BUILDING
#0119
1910 LINDEN DRIVE
#0103
LIVESTOCK
LABORATORY
#0115
LINDEN DRIVE
HORSE
BARN
#0095
DAIRY FORAGE
RESEARCH #0096
VETERINARY
MEDICINE
#0093
DAIRY
CATTLE
CENTER
#0092
DAIRY
BARN
#0105
VETERINARY
DIAGNOSTIC
LAB - WI
MEAT SCIENCE &
MUSCLE BIO. LAB

SEED BUILDING

Fig. 1. The agronomy seed building south face. [Series 9/3, Seed Storage Building, jf-60]

In the late 1930s, the agronomy department of the university under Ransom A. Moore was raising all the hybrid seed corn in the state, as well as doing experimentation to produce better hybrids in all important Wisconsin farm crops. The storage facilities for the seed produced by this department was woefully inadequate. Storage in buildings scattered around the campus, the outlying experimental farm, and rented space in Madison, made careful supervision and efficient retrieval impossible. Finally in 1939 the state legislature approved an appropriation of $25,000 for a seed storage building. The department began to plan the new building.

In order to keep cost to a minimum, the state architect Arthur Peabody and agronomy professor Norman P. Peal decided to build a structure across the south ends of two 70 foot long existing metal storage sheds (probably the main seed storage facilities), while adding a third metal shed to the row. This produced a building shaped like an 'E' with the three sheds pointing north from the Linden Drive front. This front section was a plain one story brick building 175 feet by 48 feet without a basement, with a flat concrete roof, and large glass brick windows (see Fig. 1). The building was power ventilated and temperature controlled for best seed storage condition. A plan to add a second story to the building was never carried out.[1]

Bids were called for on May 24, 1940. The regents approved the plans and estimates on May 27, 1940. The $25,000 appropriation was supplemented by income from university dairy sales to bring the total to $26,325. The next day contracts were signed with George Nelson & Son of Madison for $19,900 for general construction. Utilities and grading subcontracts accounted for the balance of the cost. The general contract called for completion by August 31, 1940. The building was ready for use by October 1940. The metal shed sections were expanded 10 feet each in June 1953 by Trachte Brothers Construction Company at a cost of $3779.[2]

1) Daily Cardinal, October 20, 1940.
2) Executive Committee Minutes, May 27, 1940, plans in records of department of planning and construction.

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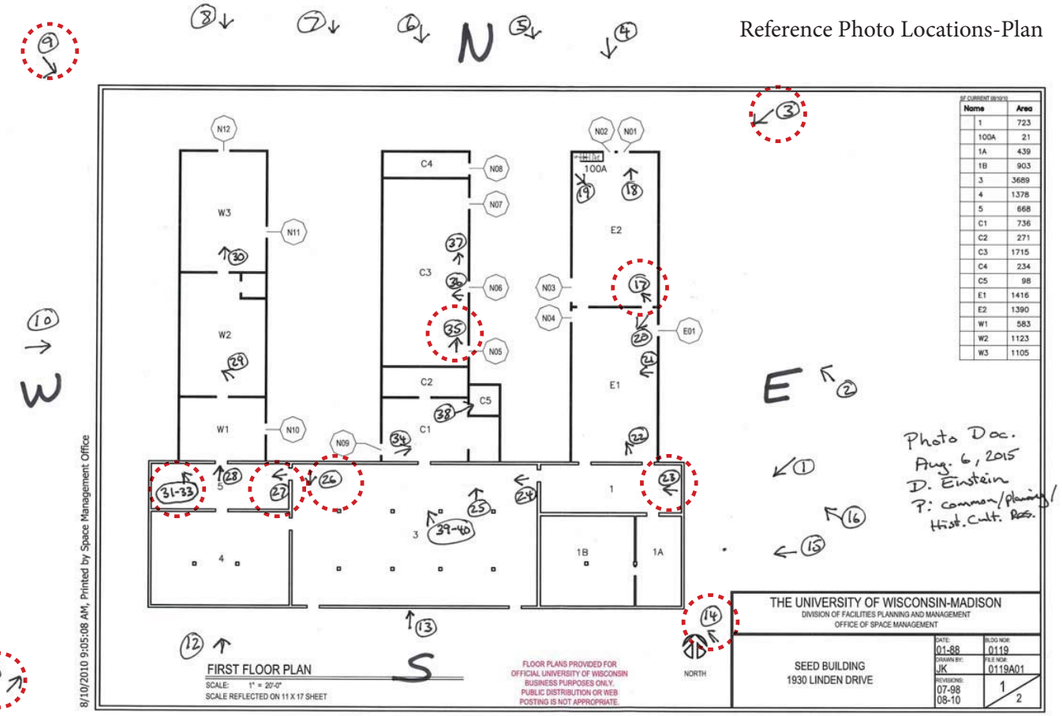
Source:
The Buildings of the University of Wisconsin, Jim Feldman, 1995

Reference Photo Locations-Plan



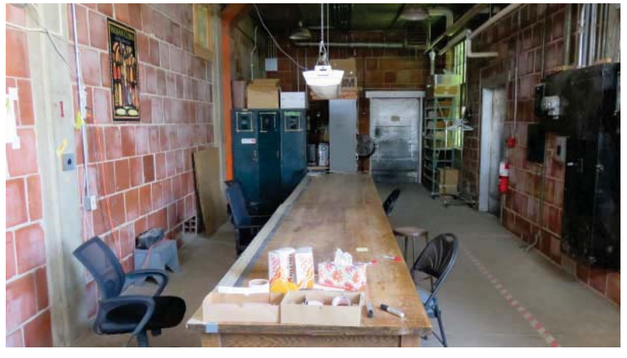
View 3: Northeast corner of building

View 9: Northwest corner of building

View 11: Southwest corner of building
(current utility work in progress)

View 14: Southeast corner of building
(current utility work in progress)

View 17: Room E2, view north

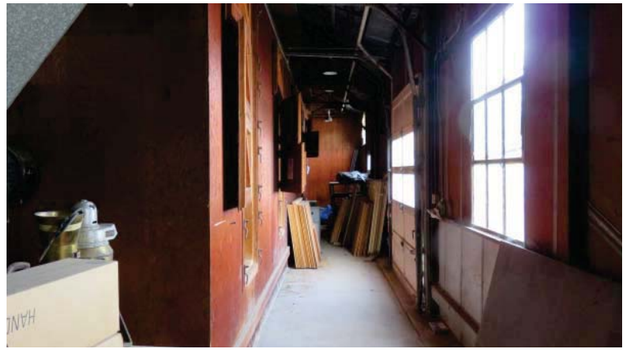


View 23: Room 1, view west

View 26: Room 3, view south

View 27: Room 5, view west

View 31: Room 5, seed drawer



View 35: Room C3, view north

University of Wisconsin-Madison
Meat Science and Muscle Biology Building
1933 Observatory Drive (Meat Science Lab) & 1932 Linden Drive (BSL2 Suite)

Project Description

The Meat Science project site is located on the UW-Madison campus at 1933 Observatory Drive (Meat Science Lab) and 1932 Linden Drive (BSL2 Suite). The UW's commitment to agriculture and food science has played a critical role in developing and supporting Wisconsin's meat industry. Currently, the site is occupied by the Seed Building and is bordered on the north by Observatory Drive, on the west by UW Parking Lot 62, on the south by Linden Drive, and to the east by the Poultry Research Laboratory.

The project will remove the existing Seed Building and associated Trachte buildings located at 1930 Linden Drive (17,750 GSF), which has no current historical designations per the Wisconsin Historical Society. The new project will construct a 2-story modern teaching, research, and outreach facility with approximately 56,100 GSF (30,000 ASF) to support the meat industry of the State of Wisconsin. The new laboratory will facilitate the development of modern meat processing and research through the inclusion of lab general-purpose benches for biochemical, chemical, and microbial studies, as well as more specialized rooms for microscopy, tissue culture, instrumentation and cold experiments. The project will also include a Biosafety Level 2 (BSL2) suite, an abattoir, carcass chilling and cooling facilities, and a meat processing area with retail capabilities through Bucky's Butchery, also located in the new facility. Four loading docks will be accommodated via a one-way access drive (north to south traffic) located on the east side of the building to coordinate with the existing service access for the Poultry Research Laboratory to the east. No on-site vehicular parking will be provided, but a new parking structure is planned for the west side of the new building on the existing UW Parking Lot 62. The current timeframe for that project is to open in the 2017-19 biennium. This project replaces the existing Meat & Muscle Biology Building built in three sections in 1930, 1959 and 1969 currently located at 1805 Linden Drive. The former building will be renovated for a different use for the College of Ag & Life Sciences, likely as a replacement for the Seeds facility being removed as described above.

Current Zoning

The Meat Science and Muscle Biology Building site, as part of the UW-Madison, is in the Campus – Institutional District (CI), as defined in MGO 28.097. As such the building is an acceptable Primary Use. Since UW-Madison currently does not have a city of Madison approved Campus Master Plan, this project will require conditional use review by the Madison Plan Commission. It is our understanding that Urban Design Commission review is not required. The project has internally gone through both an introductory (November 11, 2014) and initial UW Design Review Board meetings (May 19, 2015). The project will be shared as an informational item with the Joint West Campus Area Committee on July 22, 2015 and go for a formal recommendation to the Plan Commission in late August 2015.

Draft Schedule

Madison Development Assistance Team – city staff review	July 9, 2015
Notify alder in writing of Zoning Review schedule	July 17, 2015
Joint West Campus Area Committee Informational Presentation	July 22, 2015
Submit Plan Commission application	August 19, 2015
Joint West Campus Area Committee, Action	August 26, 2015
Plan Commission Conditional Use Review Meeting	October 5, 2015
Start Construction	August, 2016
Substantial Completion	April, 2018
Occupancy	May, 2018

LANDSCAPE SITE PLAN

North Elevation

West Elevation

Building Elevations

South Elevation

East Elevation

Building Elevations

NORTHEAST AERIAL PERSPECTIVE

SOUTHEAST AERIAL PERSPECTIVE

NORTHWEST AERIAL PERSPECTIVE