

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

AGENDA ITEM # _____
Project # _____

DATE SUBMITTED: <u>9-9-09</u>	Action Requested
UDC MEETING DATE: <u>9-16-09</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: 30 N. MILLS ST.

ALDERMANIC DISTRICT: 8

OWNER/DEVELOPER (Partners and/or Principals) ARCHITECT/DESIGNER/OR AGENT:
Board of Regents - UW System Strang, Inc.
1220 Linden Dr. 6411 Mineral Point Rd.
Madison, WI 53706 Madison, WI 53705

CONTACT PERSON: Gary Brown, Univ. of Wisc - Madison
Address: 610 Walnut St.
Madison, WI
Phone: 608-263-3023
Fax: 608-265-3139
E-mail address: gbrown@fpm.wisc.edu

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 Conditional Use Recommended for review by City staff

*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.



September 9, 2009

Letter of Intent

To: Urban Design Commission

Project: UW Physical Plant Shops and Offices
30 N. Mills Street
Madison, Wisconsin

Owner: Board of Regents of the University of Wisconsin System
Room 1860 Van Hise Hall
1220 Linden Drive
Madison, WI 53706

Owner's Contact: University of Wisconsin - Madison
Facilities Planning and Management
919 WARF Building
610 Walnut Street
Madison, WI 53706
Gary Brown, Director of Campus Planning

Architect: Strang, Inc.
6411 Mineral Point Road
Madison, WI 53705
Lawrence Barton, Principal in Charge
608-276-9200

Civil/Landscape: JSD Professional Services
161 Horizon Drive
Verona, WI 53593
Matt Collins, Project Manager
608-255-0800

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

The University of Wisconsin-Madison is planning to construct a new physical plant shops and offices building to be located at 30 North Mills Street. This is a replacement facility for an existing building currently located at 115 North Mills Street which is being displaced by the Charter Street Heating Plant upgrades to change from a coal to a biomass fueled facility. The proposed service building will consist of three (3) tall stories above grade with no basement (slab on grade). Floor 1 will be a high bay condition at 22 feet tall floor-to-floor. Floors 2 and 3 will have 14 foot floor-to-floor heights for a total building height of approximately 53 feet. A proposed partial mezzanine level will be built between floors one and two in portions of the building. The building will be constructed of precast concrete with a brick veneer, precast trim areas, windows and glass storefront windows at the southeast and northeast corners of the building. The building is currently designed to include a flat, built-up ballasted roof.

The current site is bounded by North Mills Street on the east and North Charter Street on the west (UW Fleet Service garage), a McDonald's on Regent Street to the south, and a mix of UW permit parking,



private residential apartments and commercial buildings to the north along Spring Street. The existing site conditions are an open paved parking lot with tree islands used by University permit parking users. Parking spaces lost to this building construction will be accommodated in other near-by University parking facilities.

On 1st Floor the new building includes shops and offices for UW physical plant including the campus steamfitter, plumbing and potentially the electric shops. On 2nd Floor are offices for the physical plant remodeling section architects, engineers and interior designers as well as offices for our utilities and plant engineering staff. 3rd Floor will be finished out at a later date with offices for additional Physical Plant staff.

Project Schedule:

Construction will begin in October 2009 and be completed by May 2010.

Project Statistics:

Site Area: Total site: 142,279 square feet total area (3.266 acres)
Altered area: 59,240 square feet total area (1.36 acres)

Building Area: 18,297 square feet total "footprint"
54,450 square feet total building area

Building height above grade is 3 stories plus mezzanine; 52'-0" to top of parapet.

Parking:

Parking is on a campus wide basis and not by individual building occupancy. Individuals working in this building will park in adjacent or other existing parking facilities in the area and are included in the overall campus parking allocation of 13,000 stalls.

Handicapped parking is provided adjacent to this building for visitor use.

Description of Building Use:

The planned loading and service functions of the building will occur off the west side of the building via a covered loading dock space. Trash and recycling containers will be located in this area. From a maintenance standpoint, trash removal is handled by University custodial staff on a regular basis. Equipment storage is handled all within the confines of the building. Snow removal on all walks and access drives for the proposed building is administered by University Environmental Services staff. Building custodial staff is responsible for snow and ice removal near the building entrances and on the walks leading into the building.

Hours of Operation: 7:00am to 5:00pm, Monday through Friday.
Occasional infrequent weekend use.

Delivery Truck Parking: Service drive on west (back) side of building.



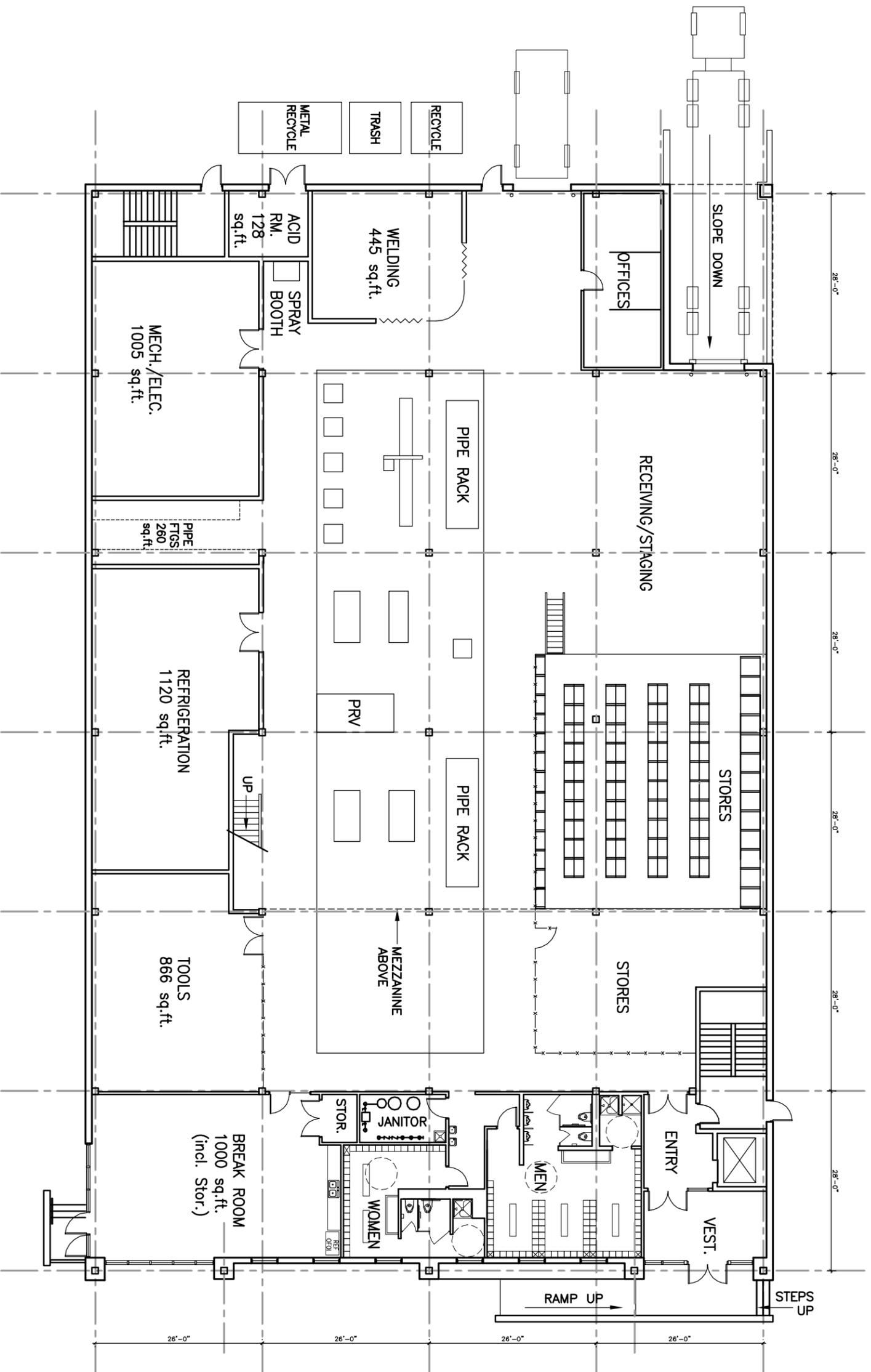
Signage:

Building signage will be along the east side of the building along Mills Street and be either building or ground mounted by Campus signage standards. Campus standard sharp cut-off Kim Archetype lighting fixtures will be used across the site.



STRANG

UW MADISON PHYSICAL PLANT
SHOPS & OFFICES



N

FIRST FLOOR PLAN - 17,620 GSF
 SCALE: 1/8" = 1'-0"



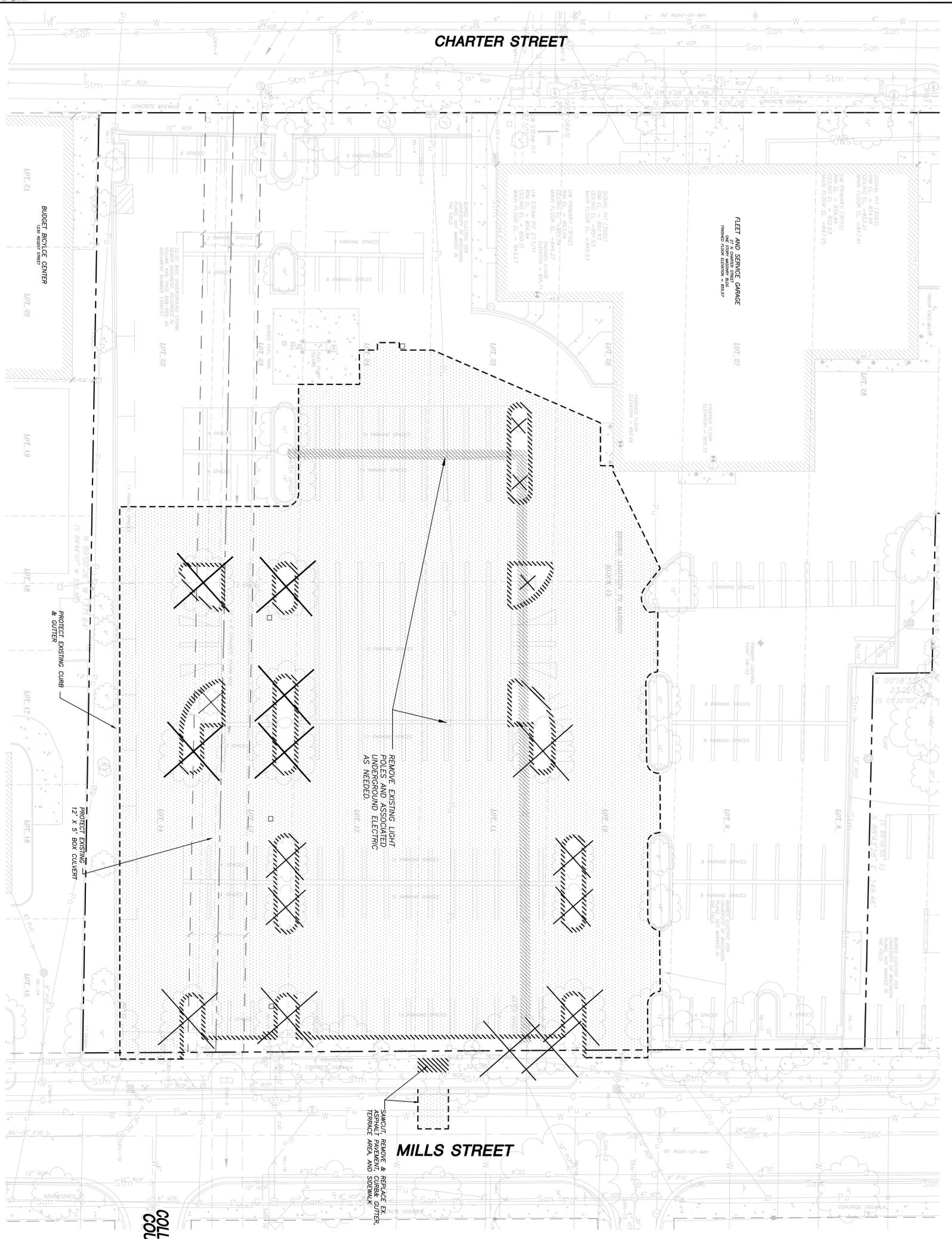
STRANG ARCHITECTURE 1875 MONROE AVENUE MADISON, WISCONSIN 53706		State of Wisconsin Department of Administration Division of Facilities Development																																													
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TO OBTAIN COPIES OF ANYTHING
UNDETERMINED A UTILITY BEFORE YOU
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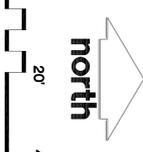
THE CONTRACTOR SHALL NOTIFY THE PUBLIC UTILITY COMPANIES AND THE CITY OF MADISON AT LEAST 48 HOURS BEFORE ANY EXCAVATION OR TRENCHING OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR PROTECTING ALL UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR PROTECTING ALL UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR PROTECTING ALL UTILITIES.



- LEGEND (PROPOSED)**
- PROPERTY LINE
 - PAVEMENT REMOVAL
 - ////// CONCRETE REMOVAL
 - UTILITY REMOVAL
 - SAWCUT & MATCH EXISTING
 - X REMOVE TREE
- GENERAL NOTES**
- REFER TO THE EXISTING CONDITIONS SURVEY FOR EXISTING CONDITIONS NOTES AND LEGEND.
 - ALL WORK IN THE ROW, PUBLIC OUTLOTS AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS - LATEST EDITION.
 - ALL DIMENSIONS TO FACE OF CURB UNLESS OTHERWISE NOTED.
 - ALL WORK WITHIN THE PUBLIC RIGHT OF WAY SHALL BE PERFORMED BY A CITY LICENSED CONTRACTOR.
 - CONTRACTOR TO OBTAIN APPROPRIATE PERMITS FOR STREET OPENINGS & TO WORK WITHIN THE CITY'S LAND IF REQUIRED.
 - USD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.
 - DRAWING FOR REVIEW - NOT FOR CONSTRUCTION UNLESS OTHERWISE NOTED IN THE TITLE BLOCK.
 - SAVAGE ALL REMOVED SIGNAGE ON SITE FOR RE-USE AS DIRECTED BY OWNER AND ENGINEER.
 - BUILDING CORNERS ARE APPROXIMATE AND FOR GENERAL BUILDING FOOTPRINT ONLY. REFER TO FOUNDATION PLAN FOR DIMENSIONS.
 - IF ANY ERRORS, DISCREPANCIES, OR OMISSIONS WITHIN THE PLAN BECOME APPARENT, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION, SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.

- UTILITY DEMOLITION NOTES**
- THE CONTRACTOR SHALL INSTALL A PEDESTRIAN FENCE AROUND ALL EXCAVATIONS TO BE LEFT OPEN OVERNIGHT AS REQUIRED.
 - CONTRACTOR TO PROVIDE TRENCH BACK-FILLING AFTER REMOVAL OF EXISTING UTILITIES, USING 10M DENSITY CONCRETE/FLOWABLE FILL, AS SPECIFIED IN SPECIFICATION SECTION 32 24 50.
 - GRANULAR BACKFILL MATERIALS ARE REQUIRED IN ALL UTILITY TRENCHES UNDER SIDEWALKS AND PROPOSED PAVED AREAS. ALL UTILITY TRENCH BACKFILL SHALL BE COMPACTED PER SPECIFICATIONS.
 - RESTORATION OF THE EXISTING ROADWAY RIGHT-OF-WAYS ARE CONSIDERED INCIDENTAL AND SHOULD BE PART OF THE UNDERGROUND IMPROVEMENTS, DEMOLITION AND RESTORATION. THIS INCLUDES CURB & GUTTER, SUBGRADE, 10% SLOPE, FERTILIZER, SEEDING AND MULCHING.
 - THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH ENGINEERING PLANS DESIGNED TO MEET ORDINANCES AND REQUIREMENTS OF THE MUNICIPALITY AND WISDOT, WISCONSIN, AND WDMR.
 - BEFORE TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR EXAMINING ALL SITE CONDITIONS RELATIVE TO THE CONDITIONS NOTICED ON THE ENGINEERING DRAWINGS. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER OBTAINING ALL PERMITS INCLUDING PERMIT COSTS, TAP FEES, METER DEPOSITS, BONDS, AND ALL OTHER FEES REQUIRED FOR PROPOSED WORK TO OBTAIN OCCUPANCY. WORKING UNDER ELEVATIONS AND NOTIFYING ENGINEER OF ANY DISCREPANCIES. NO WORK SHALL BE PERFORMED UNTIL THE CONTRACTOR HAS OBTAINED ALL NECESSARY PERMITS AND NOTIFIED ALL UTILITIES PRIOR TO THE INSTALLATION OF ANY UNDERGROUND IMPROVEMENTS DESIGN ENGINEER AND LOCAL CONTROLLING MUNICIPALITY 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO ARRANGE FOR APPROPRIATE CONSTRUCTION INSPECTION.
 - THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE ENGINEER WITH AS-BUILT CONDITIONS OF THE DESIGNATED IMPROVEMENTS IN ORDER THAT THE APPROPRIATE DRAWINGS CAN BE TO BE PREPARED. ANY CHANGES TO THE DRAWINGS OR ADDITIONAL ITEMS MUST BE REPORTED TO THE ENGINEER AS WORK PROGRESSSES.
 - THE PRIME CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CONSTRUCTION WITH OTHER CONTRACTORS INVOLVED WITH CONSTRUCTION BETWEEN THESE PLANS AND PLANS PREPARED BY OTHERS.
 - ANY SANITARY SEWERS, SANITARY SEWER SERVICES, WATER MAIN, WATER SERVICES, STORM SEWER, OR OTHER UTILITIES, WHICH ARE DAMAGED BY THE CONTRACTOR'S EXPENSE, SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.
 - CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF THESE IMPROVEMENTS.

Scale in Feet

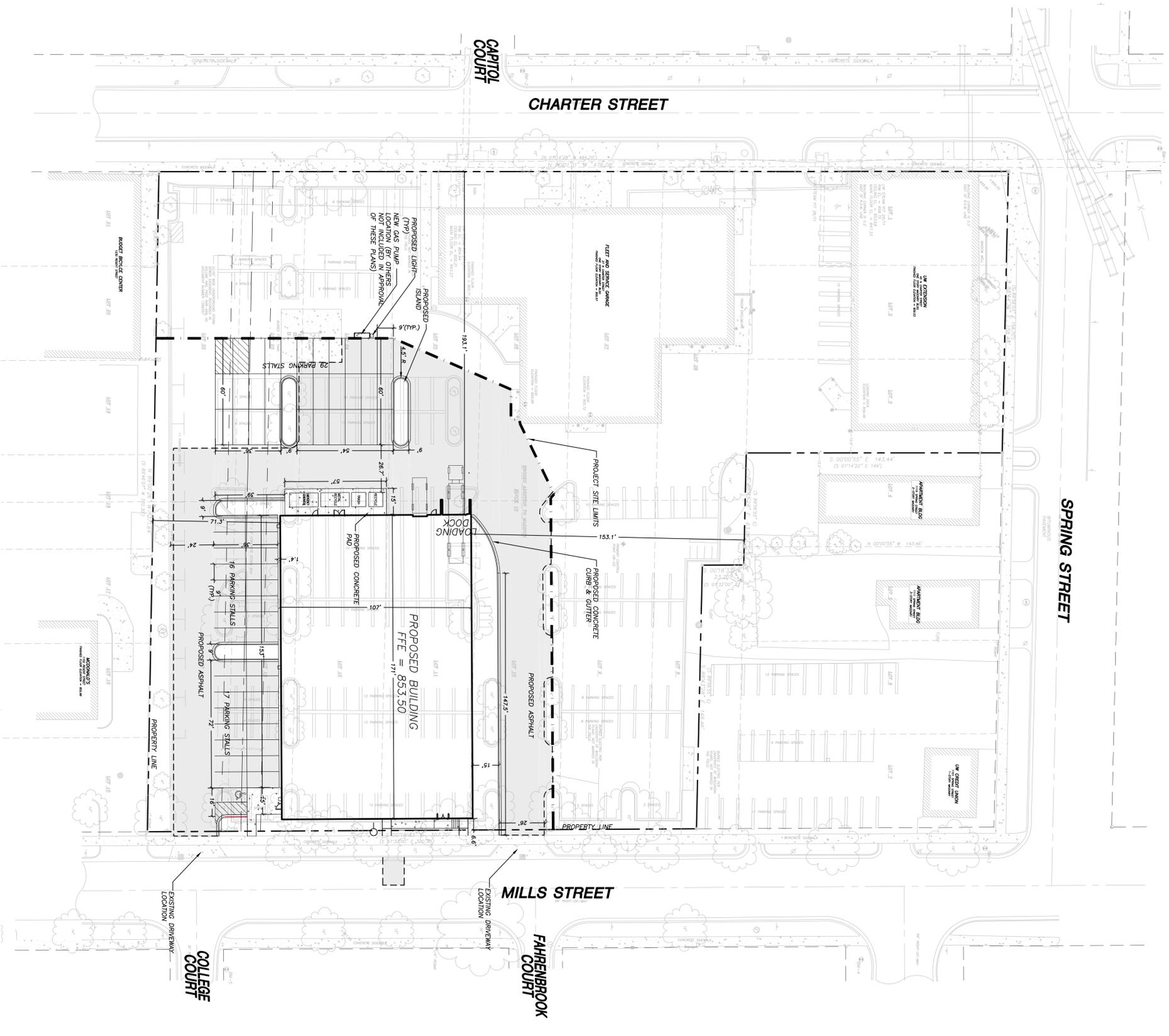


0 20' 40'

 <p>JSD Professional Services, Inc. Engineers • Surveyors • Planners CONSULTING TO CLIENTS IN ARCHITECTURE, CIVIL, ENVIRONMENTAL, LANDSCAPE ARCHITECTURE, AND REGIONAL PLANNING</p> <p>MADISON REGIONAL OFFICE VERONA, WISCONSIN 53593 608.848.5000 PHONE 608.848.2255 FAX</p>		<p>State of Wisconsin Department of Administration Division of State Facilities</p> <p>Agency / Institution: UNIVERSITY OF WISCONSIN - MADISON MADISON, WISCONSIN</p>								
<p>Project Title: PHYSICAL PLANT SHOPS OFFICE</p> <p>Location: UNIVERSITY OF WISCONSIN - MADISON 30 N. MILLS ST. MADISON, WI</p> <p>Sheet Title: DEMOLITION PLAN</p>		<p>Consultant:</p>								
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1-800-242-8511 TOLL FREE

THE INFORMATION SHOWN ON THIS DRAWING IS THE PROPERTY OF JSD ENGINEERING & SURVEYING, INC. AND IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. ANY REUSE OR MODIFICATION OF THIS DRAWING WITHOUT THE WRITTEN CONSENT OF JSD ENGINEERING & SURVEYING, INC. IS STRICTLY PROHIBITED. THE USER OF THIS DRAWING SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR VERIFYING THE ACCURACY OF ALL INFORMATION SHOWN HEREON. THE USER OF THIS DRAWING SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR VERIFYING THE ACCURACY OF ALL INFORMATION SHOWN HEREON. THE USER OF THIS DRAWING SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR VERIFYING THE ACCURACY OF ALL INFORMATION SHOWN HEREON.



LEGEND (PROPOSED)

---	PROPERTY LINE
---	PROJECT SITE LIMITS
---	PROPOSED STORM
---	PROPOSED WATER SERVICE
---	PROPOSED SANITARY SEWER
---	BUILDING LINE
---	EDGE OF ASPHALT
---	PROPOSED CONCRETE PAVEMENT
---	PROPOSED ASPHALT PAVEMENT
---	SITE LIGHTING (REFER TO LIGHTING PLAN)
---	SAW-CUT & MATCH EXISTING

GENERAL NOTES

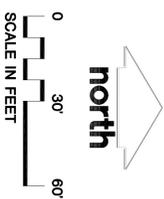
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PARKING LOT PLAN SITE INFORMATION BLOCK

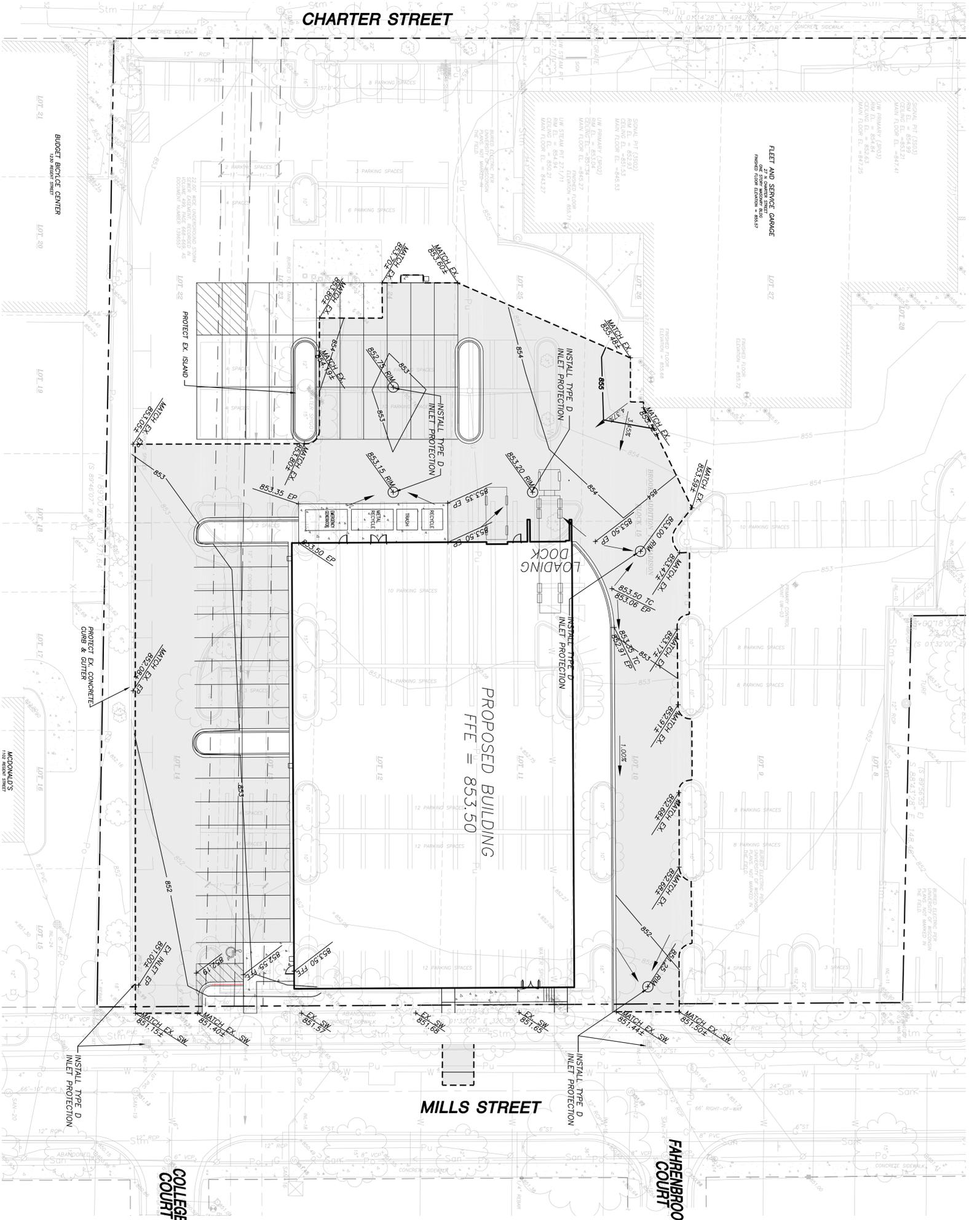
Site Address	30 NORTH MILLS STREET	Site Acreage (Total)	1.37
Number of Building Storages		Number of Building Storages	
Building Height	18,300 S.F.	Total Square Footage of Proposed Building	18,300 S.F.
Use of property	OFFICE	Impermeable Ratio	NA
Number of employees		Bike Stalls	
Number of parking stalls:		Number of parking stalls:	
Large car	61	Accessible	1
Total	62		

SITE ZONING INFORMATION

Site Address	30 NORTH MILLS STREET	Site Acreage (Total)	3.27
Current Zoning		Front Setback	0'
Interior Side Setback	0'	Street Side Setback	0'
Rear Setback		Lot Area	3,271 AC.
Total Buildings Floor Area		Floor Area Ratio	- S.F.



<p>JSD Professional Services, Inc. Engineers • Surveyors • Estimators</p> <p>CONSULTING FOR QUALITY AND PERFORMANCE THROUGH THE BEST QUALITY AND EXPERIENCE</p> <p>MADISON MILWAUKEE KENOSHA</p> <p>www.jsdinc.com</p> <p>MADISON REGIONAL OFFICE 161 HORIZON DRIVE VERONA, WISCONSIN 53583 608.848.5080 PHONE 608.848.2255 FAX</p>	<p>State of Wisconsin Department of Administration Division of State Facilities</p>	<p>Consultants:</p>								
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CALL DIGGERS HOTLINE
 TO OBTAIN COORDINATE OF ANY EXISTING UTILITIES, CONTACT THE CITY OF MADISON AT 608.265.4300.
 THE CITY OF MADISON IS NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED BY THE CALL DIGGERS HOTLINE.

PROPOSED BUILDING
 FFE = 853.50

INSTALL TYPE D INLET PROTECTION

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- LEGEND (PROPOSED)**
- PROPERTY LINE
 - PROPOSED 1 FOOT CONTOUR
 - PROPOSED 5 FOOT CONTOUR
 - 30' -
 - SPOT ELEVATION
 - EP - EDGE OF PAVEMENT
 - TC - TOP OF CURB
 - SW - SIDEWALK
 - FLOW ARROW
 - ASPHALT CONCRETE PAVEMENT
 - CONCRETE PAVEMENT
 - SAWCUT & MATCH EXISTING
- GENERAL NOTES**
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 7. DRAWING FOR REVIEW - NOT FOR CONSTRUCTION UNLESS OTHERWISE NOTED IN THE TITLE BLOCK.
 8. SALVAGE ALL REMOVED SIGNAGE ON SITE FOR RE-USE AS DIRECTED BY OWNER AND ENGINEER.
 9. FOUNDATION CORNERS ARE APPROXIMATE AND FOR GENERAL BUILDING FOOTPRINT ONLY. REFER TO FOUNDATION PLAN FOR DIMENSIONS.
 10. IF ANY ERRORS, DISCREPANCIES, OR OMISSIONS WITHIN THE PLAN BECOME APPARENT, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION SO THAT CLARIFICATION OR REVISION MAY OCCUR.
 11. CONTRACTOR SHALL ENSURE THAT ALL STORMWATER DRAINS AWAY FROM ALL BUILDING FOUNDATIONS DURING FINAL RESTORATION.
- CONSTRUCTION SITE EROSION CONTROL**
1. ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE DESIGNED AND IMPLEMENTED IN ACCORDANCE WITH THE CURRENT EDITION OF THE NATIONAL SEDIMENTATION AND EROSION CONTROL TECHNICAL STANDARDS WHICH ARE AVAILABLE AT: <http://www.dnr.state.wi.us/funef/stormwater/techstand.htm>
 2. INSTALL EROSION CONTROL MEASURES PRIOR TO ANY SITE WORK, INCLUDING GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIALS AS SHOWN ON PLAN. MODIFICATIONS TO SEDIMENT CONTROL DESIGN MAY BE CONDUCTED TO MEET UNPREDICTED FIELD CONDITIONS IF MODIFICATIONS CONFORM TO WORK TECHNICAL STANDARDS.
 3. INSPECTIONS AND MAINTENANCE OF ALL EROSION CONTROL MEASURES SHALL BE ROUTINE (ONCE PER WEEK MINIMUM) TO ENSURE PROPER FUNCTION OF EROSION CONTROLS AT ALL TIMES. MEASURES ARE TO BE IN WORKING ORDER AT THE END OF EACH WORK DAY.
 4. OBSERVE EROSION CONTROL MEASURES AFTER EACH 1/2" OR GREATER RAINFALL. REPAIR ANY DAMAGE OBSERVED DURING THE INSPECTION.
 5. CONTRACTOR SHALL COMPLETE WEEKLY SELF-INSPECTIONS OF EROSION CONTROL PRACTICES AND POST THESE INSPECTIONS TO THE CITY OF MADISON WEBSITE AS REQUIRED PER CHAPTER 37 OF THE MADISON GENERAL ORDINANCE.
 6. EROSION CONTROL MEASURES SHALL BE REMOVED ONLY AFTER SITE CONSTRUCTION IS COMPLETE WITH ALL SOIL SURFACES HAVING AN ESTABLISHED VEGETATIVE COVER.
 7. STONE CONSTRUCTION ENTRANCE CONSISTS OF EXISTING GRAVEL BASE COURSE. TRACKING PADS ARE TO BE MAINTAINED BY THE CONTRACTOR IN A CONDITION WHICH WILL PREVENT THE TRACKING OF AND OR DRY DEPOSIT OF SOIL ON ADJACENT STREETS AFTER EACH WORKING DAY ON ADJACENT STREETS. REVISIONS AS REQUIRED BY THE CITY OF MADISON.
 8. CUT AND FILL SLOPES SHALL BE NO GREATER THAN 3:1.
 9. PREVENT EXCESSIVE DUST FROM LEAVING THE CONSTRUCTION SITE IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS.
 10. INSTALL EROSION CONTROLS ON THE DOWNSTREAM SIDE OF STOCKPILES.
 11. EROSION CONTROL FOR UTILITY CONSTRUCTION (SEWER, WATER, SANITARY, WATER MAIN, ETC.):
 A. PLACE EXCAVATED TRENCH MATERIAL ON THE HIGH SIDE OF THE TRENCH.
 B. BACKFILL, COMPACT, AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE CONSTRUCTION.
 C. DISCHARGE TRENCH WATER INTO A SEDIMENTATION BASIN OR FILTERING TANK IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS AND NO. 1001 PRIOR TO RELEASING TO THE STORM SEWER, RECEIVING STREAM, OR DRAINAGE DITCH.
 10. INSTALL INLET PROTECTION IN ALL STORM SEWER INLETS AND CATCH BASINS THAT MAY RECEIVE RUNOFF FROM AREAS UNDER CONSTRUCTION.
 11. ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED BY STATE INSPECTORS, LOCAL INSPECTORS, AND/OR ENGINEER SHALL BE INSTALLED WITHIN 24 HOURS OF REQUEST.
 12. ALL SLOPES EXCEEDING 4:1 (20%) AND DRAINAGE SWALES SHALL BE STABILIZED WITH CLASS II, TYPE B EROSION MATING OR APPLICATION OF A MOIST APPROVED POLYMER SOIL STABILIZATION TREATMENT OR A CONCRETE CURB. CONSTRUCTION SHALL PROVIDE PROTECTIVE STRIPES TO PROTECT ENGINEER FOR APPROVAL. CONSTRUCTION SHALL PROVIDE PROTECTIVE STRIPES TO PROTECT ENGINEER FOR APPROVAL.
 13. CONTRACTOR OWNER SHALL FILE A NOTICE OF TERMINATION UPON VEGETATIVE STABILIZATION IN ACCORDANCE WITH LOCAL AND MADISON REQUIREMENTS.
 14. AFTER THE SITE IS STABILIZED INSTALL PERMANENT INLET FILTERS WITHIN CATCH BASINS.

State of Wisconsin
 Department of Administration
 Division of State Facilities

Agency / Institution:
 UNIVERSITY OF WISCONSIN - MADISON
 MADISON, WISCONSIN

Project Title:
PHYSICAL PLANT SHOPS OFFICE

Project Location:
 UNIVERSITY OF WISCONSIN - MADISON
 30 N. MILLS ST. MADISON, WI

Sheet Title:
 GRADING & EROSION CONTROL PLAN

Revisions:

No.	Date:	By:	Description:

Graphic Scale: 0' 10' 20'

DSF Number: 09D2U

Scale: PR

Date Issued: 09/02/09

Sheet Number: C-103

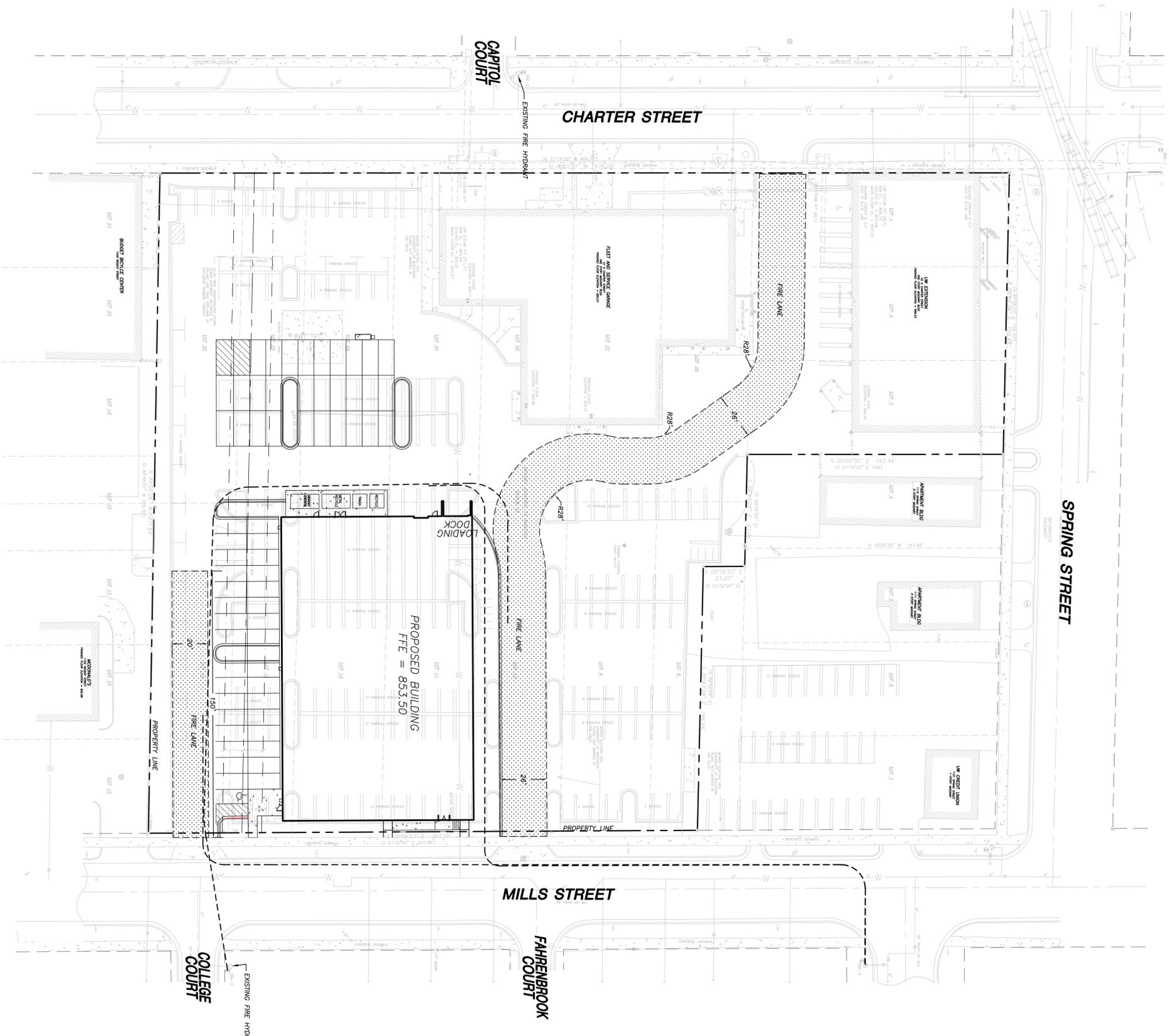
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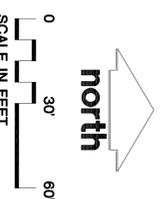


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LEGEND (PROPOSED)
 PROPOSED FIRE LANE
 500' HOSE LAY LENGTHS



Sheet Number	C-105		
Date Issued	09/02/09		
Set Type	PR		
DSF Number	09D2U		
Graphic Scale	0' 10' 20'		
Revisions			
No.	Date	By	Description

Project Title:
PHYSICAL PLANT SHOPS OFFICE

Project Location:
 UNIVERSITY OF WISCONSIN - MADISON
 30 N. MILLS ST. MADISON, WI

Sheet Title:
 FIRE ACCESS PLAN

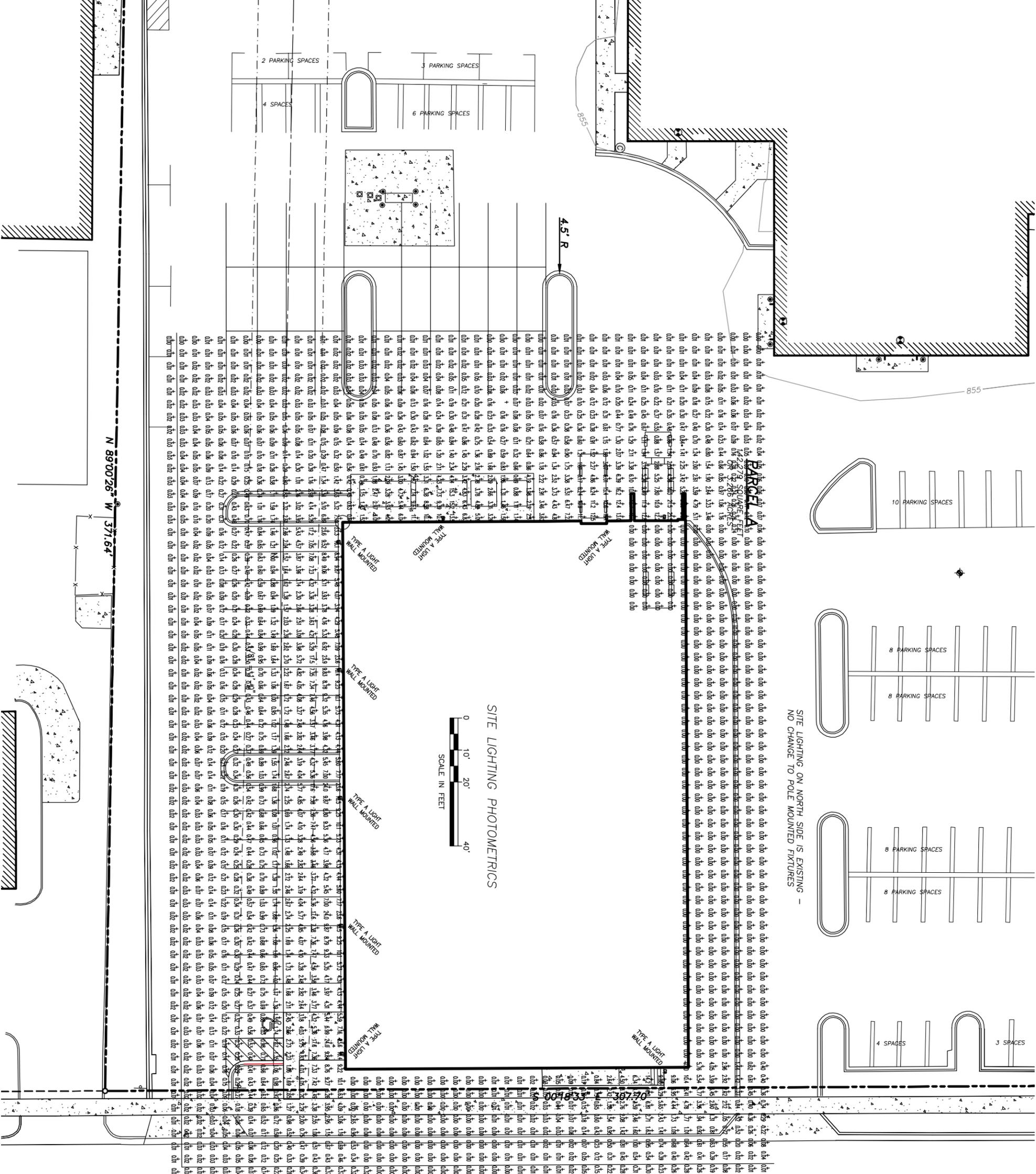
State of Wisconsin
 Department of Administration
 Division of State Facilities

Agency / Institution:
 UNIVERSITY OF WISCONSIN - MADISON
 MADISON, WISCONSIN

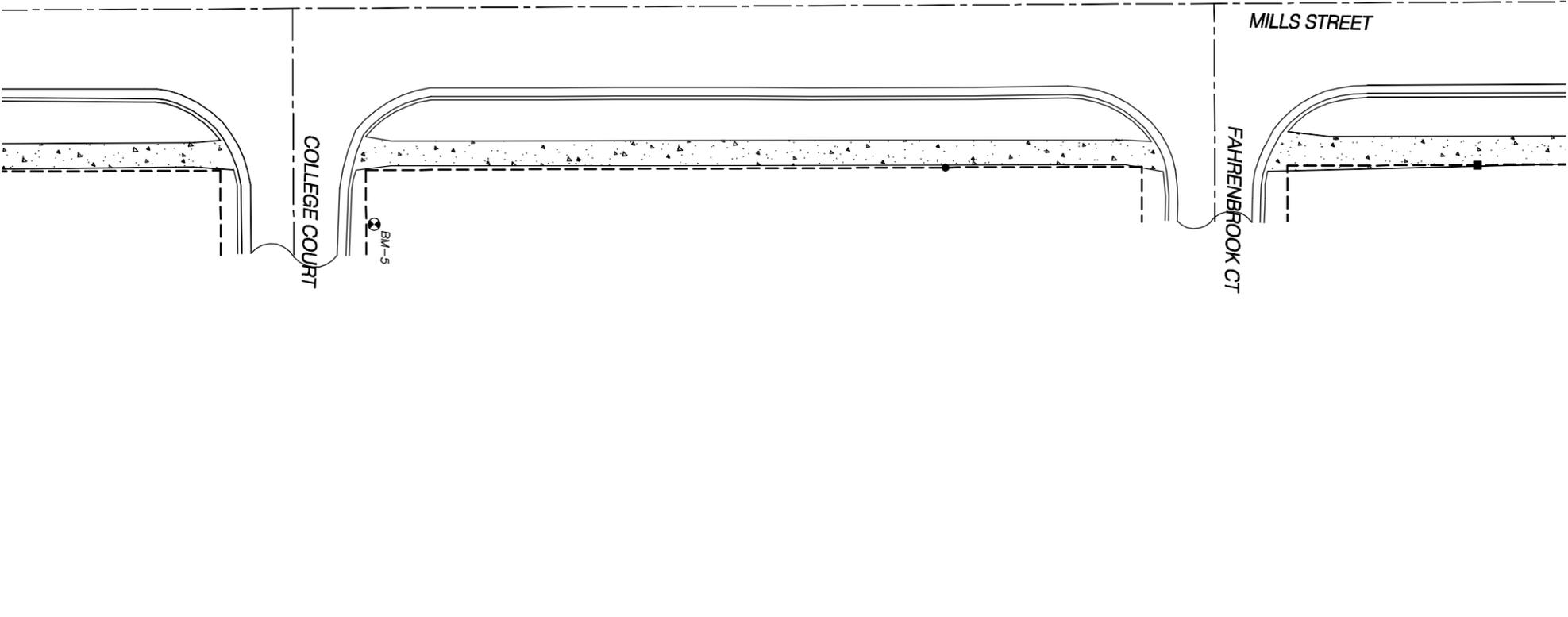
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 VERONA, WISCONSIN 53593
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Consultant:



SITE LIGHTING ON NORTH SIDE IS EXISTING -
NO CHANGE TO POLE MOUNTED FIXTURES



Munich Series



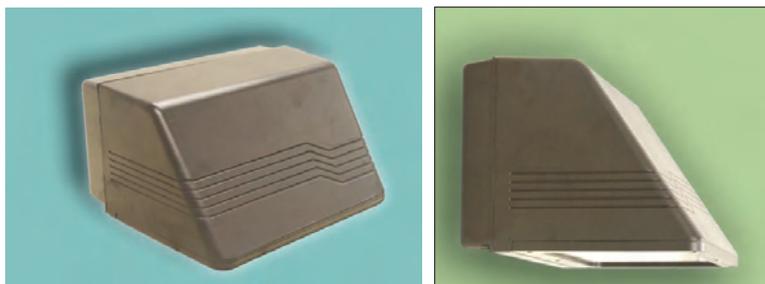
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Vandal Resistant H.I.D. Fluorescent — Wall Mount
Full Cut-Off — Dark-Sky

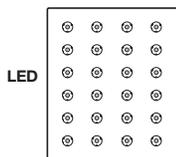
Catalog Number	
Project/Location	Type
Approved By	

SPECIFICATIONS

- BACKPLATE— Cast aluminum.
- BALLAST— For TT or DTT Fluorescent Electronic (EB) cold weather 0° is Standard. For HID HPF is Standard. High Temperature Electronic Ballast for PL-H CFL operates from -30° C up to 90° C max case temperature.
- GASKETING— High temperature, non-aging black EPDM and/or neoprene rubber concealed in housing pocket and enclosed by cast-in drip shield and rear wire entrance hole to protect against outside contaminants
- HOUSING— Heavy wall cast aluminum with wire access on back through threaded 1/2" conduit size entrance holes -- Finished in Bronze oven baked Polyester Powder Coat
- LAMP— HID, MEDIUM BASE Low Pressure Sodium or Metal Halide (Recommend use of Venture UV Guard – or equal) as required; Compact Fluorescent: Double (DTT) or Triple Twin Tube (TTT), PL-H Philips Compact Fluorescent (20,000 Hour Lamp Life) - BY OTHERS.
- LENS—Clear Tempered Glass Standard
- REFLECTOR— .032 Prescription Specular aluminum for high efficiency and reduce arc tube voltage rise.
- SOCKET— 4 KV rated medium base porcelain with 16 gauge 200 degrees C -- SF-2 lead wires
- UL/ULC— UL/ULC Listed to U.S. and Canadian safety standards - Suitable for wet locations



Downlight Option Munich Large

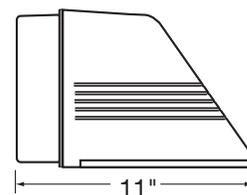
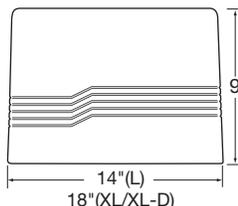


LED

See LED Section

Lamp Size	L	XL
Dimensions - W x H x D	14 1/4" x 9" x 11"	18 1/4" x 9" x 11"
Fluorescent TT	Consult Factory	
Fluorescent DTT	(2)26w	Consult Factory
Fluorescent TTT	(1 or 2)26/32/42w; (1)57/70w	(2)26/32/42/57/70w
Fluorescent PL-H	(1)60/85w	(1 or 2)60/85w; (1)120w
Metal Halide	50/70/100/150/175w	175/250/320/400w
BT5 Metal Halide	Consult Factory	
QL Induction ** Up to 100,000 HR Lamp Life	55w	55/85w
LED	15/30w Specify: Low (L); Medium (M); High (H)	

** Lamping system is WARRANTED by Osram and Philips for 40,000 HOURS.
* means Backbox Required.



XL with Uplight Option (UP)

Catalog Number Ordering Guide

Example: MU XL FT QL (1)85 277 IND BZ	
SERIES	VOLTAGE
SIZE	POWER FACTOR
REFLECTOR	OPTIONS
LAMP TYPE	
LAMP QUANTITY/WATTAGE	

Refer to Above Chart



PHOTOMETRIC DATA:

MUNICH SERIES

LSI test # 18669 MU-L-WS-PL-H-85W-DT-BK semi-specular hammertone reflector and clear flat glass lens

Zonal Lumen Summary

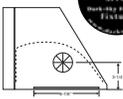
Zone	Lumens	% Lamp	% Luminaire
0-30	998	16.64	40.93
0-40	1488	24.81	61.04
0-60	2204	36.74	90.39
0-90	2438	40.65	100.00
40-90	950	15.84	39.56
60-90	234	3.90	9.61
90-180	0	0.00	0.00
0-180	2438	40.65	100.00

Rm. Percentage=20%
PCC-Ceiling Reflectance
PW-Wall Reflectance

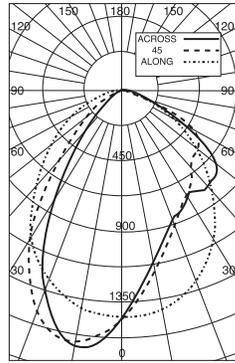
Coefficients of Utilization

PCC>	80%			70%			50%		
	70%	50%	30%	70%	50%	30%	50%	30%	
0	48	48	48	47	47	47	45	45	
1	45	44	43	44	43	42	41	41	
2	42	40	38	42	39	37	38	36	
3	40	36	34	39	36	34	35	33	
4	37	33	31	36	33	30	32	30	
5	35	30	27	34	30	27	29	27	
6	32	28	25	32	27	25	27	24	
7	30	25	22	29	25	22	25	22	
8	28	23	20	28	23	20	23	20	
9	26	22	19	26	21	19	21	18	
10	25	20	17	24	20	17	19	17	

Room Cavity Ratio



Candela Summary: CP Curve and Table



Angle	CP
0.0	1445
2.5	1385
5.0	1334
7.5	1290
10.0	1252
12.5	1219
15.0	1191
17.5	1167
20.0	1146
22.5	1127
25.0	1110
27.5	1095
30.0	1082
32.5	1070
35.0	1059
37.5	1049
40.0	1040
42.5	1032
45.0	1025
47.5	1018
50.0	1012
52.5	1006
55.0	1000
57.5	995
60.0	990
62.5	985
65.0	980
67.5	975
70.0	970
72.5	965
75.0	960
77.5	955
80.0	950
82.5	945
85.0	940
87.5	935
90.0	930

Efficiency: 40.7%

LSI test # 19215 MU-XL-FT-MH-250W semi-specular reflector, forward throw and clear flat glass lens

Zonal Lumen Summary

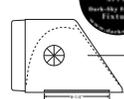
Zone	Lumens	% Lamp	% Luminaire
0-30	2393	10.14	29.58
0-40	4201	17.80	51.93
0-60	6919	29.32	85.54
0-90	8089	34.28	100.00
40-90	3888	16.48	48.07
60-90	1170	4.96	14.46
90-180	0	0.00	0.00
0-180	8089	34.28	100.00

Rm. Percentage=20%
PCC-Ceiling Reflectance
PW-Wall Reflectance

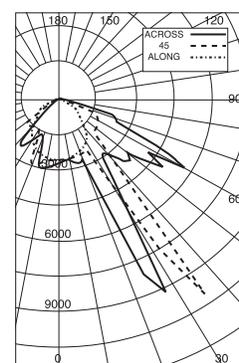
Coefficients of Utilization

PCC>	80%			70%			50%		
	70%	50%	30%	70%	50%	30%	50%	30%	
0	41	41	41	40	40	40	38	38	
1	38	37	36	37	36	35	34	34	
2	35	33	31	34	32	30	31	30	
3	32	29	27	32	29	27	28	26	
4	30	26	24	29	26	24	25	23	
5	28	24	21	27	23	21	23	20	
6	25	21	18	25	21	18	20	18	
7	23	19	16	23	19	16	18	16	
8	22	17	14	21	17	14	17	14	
9	20	16	13	20	15	13	15	13	
10	19	14	11	18	14	11	14	11	

Room Cavity Ratio



Candela Summary: CP Curve and Table



Angle	CP
0.0	2872
2.5	2811
5.0	2824
7.5	2897
10.0	2969
12.5	2879
15.0	2969
17.5	2960
20.0	2914
22.5	2793
25.0	2847
27.5	2754
30.0	2760
32.5	2692
35.0	2641
37.5	2609
40.0	2571
42.5	2541
45.0	2517
47.5	2497
50.0	2480
52.5	2466
55.0	2454
57.5	2444
60.0	2436
62.5	2429
65.0	2423
67.5	2418
70.0	2414
72.5	2410
75.0	2406
77.5	2402
80.0	2398
82.5	2394
85.0	2390
87.5	2386
90.0	2382

Efficiency: 34.3%

LSI test # 19216 MU-XL-WS-MH-250W semi-specular reflector, wide spread distribution and clear flat glass lens

Zonal Lumen Summary

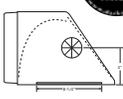
Zone	Lumens	% Lamp	% Luminaire
0-30	4153	17.60	39.31
0-40	6353	26.92	60.13
0-60	9651	40.94	91.43
0-90	10566	44.78	100.00
40-90	4213	17.85	39.87
60-90	905	3.84	8.57
90-180	0	0.00	0.00
0-180	10566	44.78	100.00

Rm. Percentage=20%
PCC-Ceiling Reflectance
PW-Wall Reflectance

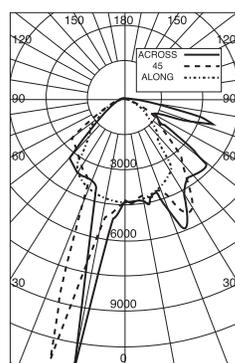
Coefficients of Utilization

PCC>	80%			70%			50%		
	70%	50%	30%	70%	50%	30%	50%	30%	
0	53	53	53	52	52	52	50	50	
1	50	48	47	49	48	46	46	45	
2	47	44	42	46	43	41	42	40	
3	44	40	37	43	39	37	38	36	
4	41	37	34	40	36	33	35	33	
5	38	33	30	37	33	30	32	29	
6	35	30	27	35	30	27	29	27	
7	33	28	24	32	27	24	27	24	
8	31	25	22	30	25	22	24	22	
9	29	23	20	28	23	20	22	20	
10	27	21	18	26	21	18	21	18	

Room Cavity Ratio



Candela Summary: CP Curve and Table



Angle	CP
0.0	4335
2.5	4282
5.0	4333
7.5	4480
10.0	4688
12.5	4902
15.0	5122
17.5	4973
20.0	4809
22.5	4659
25.0	4524
27.5	4394
30.0	4269
32.5	4149
35.0	4034
37.5	3924
40.0	3818
42.5	3716
45.0	3618
47.5	3524
50.0	3434
52.5	3348
55.0	3266
57.5	3188
60.0	3114
62.5	3044
65.0	2978
67.5	2916
70.0	2858
72.5	2804
75.0	2754
77.5	2708
80.0	2666
82.5	2628
85.0	2594
87.5	2564
90.0	2538

Efficiency: 44.8%

By eliminating an upward throw of light, Munich Series luminaires are among our many Dark Sky compliant models.



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