

# University Crossing



Planned Unit Development  
General Development Plan  
Specific Implementation Plan

Potter Lawson No. 2011.06.00  
Urban Design Commission  
Final Approval Application  
September 28, 2011

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# 1

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## SECTION ONE

- 1.1 Letter of Intent
- 1.2 Urban Design Commission Application

## 1.1 LETTER OF INTENT

### ZONING REQUEST

Planned Unit Development: General Development Plan and Specific Implementation Plan

### PROJECT NAME

University Crossing

### Applicant & Developer:

The Lenhart Company  
2020 Eastwood Drive  
Madison, WI 53704  
Paul Lenhart  
608-249-2020, plenhart@kruppconstruction.com

### Land Owner

Erdman Real Estate Holdings, LLC  
6720 Frank Lloyd Wright Ave.  
Middleton, WI 53562

### Architect

Potter Lawson Inc.  
15 Ellis Potter Court  
Madison, WI 53711  
Doug Hursh, AIA, LEED AP  
608-274-2741, dough@potterlawson.com

### Civil Engineer

D'Onofrio, Kottke & Associates, Inc.  
7530 Westward Way  
Madison, WI 53717  
Dan Day, PE  
608-833-7530, dday@donofrio.cc

### Landscape Architect

Ken Saiki Design  
303 South Paterson Street Suite 1  
Madison, WI 53703  
Ken Saiki  
608-251-3600, ksaiki@ksd-la.com

### Contractor

Krupp General Contractors, LLC  
2020 Eastwood Drive  
Madison, WI 53704  
Dietmar Bassuner  
608-249-2020, dietmar.bassuner@kruppconstruction.com

### 1st Clinic Building Use

UW Hospital and Clinics – Digestive Health Center  
600 N Highland Ave.  
Madison, WI 53792  
Andrew Howick  
Director of Facilities Planning  
608-263-9160, ahowick@uwhealth.org

### Parcel Location

5117 University Avenue, Madison

### SITE

The GDP site is 14.332 acres located at the southwestern corner of University Avenue and N. Whitney Way; Urban Design District 6; Aldermanic District 19 (Clear); Madison Metropolitan School District. The project requires the demolition of approximately 11 vacant existing commercial buildings located throughout the subject site. The existing five-story, 90,000 square-foot Wisconsin Public Service Commission (PSC) Building located in the southeastern corner of the subject site will remain and is not included in this PUD.

The SIP site is 3.74 Acres and is designated Lot 1 and Building 1.

### Comprehensive Plan

The city of Madison Comprehensive Plan designates this site for Employment (E) and Neighborhood Mixed Use (NMU). The southeast corner of the site is also designated as a Transit Oriented Design (TOD) overlay located at the intersection of Whitney Way and Old Middleton Road.

**Existing Zoning**

The entire site is currently zoned C3 (Highway Commercial District) and is within a well-head protection zone, WP-14.

**Existing Uses**

Vacant Office, Vacant Restaurant, Vacant Warehouses, and Vacant Motel

**Surrounding Uses**

North: Single-family residences in the Spring Harbor neighborhood and Water Utility Well 14, zoned R1 (Single-Family Residence District)

South: Wisconsin Southern Railroad right of way and Old Middleton Road; Knupp, Watson & Wallman Advertising, zoned C2 (General Commercial District); single-family residences, zoned R2 (Single-Family Residence District); two-family residences, zoned R3 (Single- and Two-Family Residence District) and PUD-SIP

West: Trillium Homes, zoned R4 (General Residence District)

East: Multi-tenant commercial development, Taco Bell, zoned C3 (Highway Commercial District).

**Design Description**

This infill master plan is a multi-phase redevelopment designed to create an urban campus environment that includes a mix of complimentary uses. The project takes advantage of an existing under-utilized site within the city to help to reduce suburban sprawl and utilize existing infrastructure. The plan balances the need for increased density while being sympathetic to the surrounding uses and scale. The structures are closely spaced to create defined public street spaces with pedestrian friendly connections while maintaining access to day light and views. Parking structures are utilized to reduce the need for surface parking and to allow the buildings to be placed closer together. Streets will be designed to encourage pedestrian use and will have parallel parking to further define the pedestrian scale and urban nature of the development.

The 3 buildings to the North West of the site are intended to provide clinic space for the University of Wisconsin Hospital and Clinics. The buildings that define the corner of University Avenue and Whitney Way will have a mix of uses including retail, service commercial, office and hospitality. It is the intent that the retail component will provide a public gathering place for the neighborhood and will include a shared outdoor dining/gathering common space between the mixed use building, the hotel and the apartments.

Apartment units surround the internal parking structure to provide definition and activity to the 2 north south streets. A non-profit hospitality/residential component is located internally on a donated site near the round-about intersection. Along with the hotel, these buildings provide activity and ownership on the site after hours.

The mix of uses encourages walking, shared parking and activities in the evening.

A new north south bike path connection is planned for the west edge of the site to connect to the future planned bike path along Old Middleton Road. The site provides accessibility to diverse modes of transportation including pedestrians, bikes, buses, cars, and future rail.

**Proposed Uses**

The General Development Plan (GDP) includes 7 buildings and 3 parking structures. The following is a potential full site build out summary of uses. The final building area, apartment count and parking count will vary based on the Specific Implementation Plans. See Section 5.3 for building data.

Building 1	Clinic – Digestive Health Center – SIP
Building 1A	Clinic
Building 2	Clinic
Building 3	Non-Profit Hospitality
Building 4	Mixed Use, Retail, Service and Office
Building 5	Hotel, approximately 130 Rooms
Building 6	Apartment Homes –Approximately 65 units

Approximate Total Area	488,200 sf
Approximate Total Parking	1,363 - 1,463 stalls
Approximate Parking Ratio	2.79 to 3.00 per 1,000 sf

**Environmental Sustainability**

This project will follow sustainability guidelines. The first proposed clinic building is pursuing LEED Healthcare certification.

*Sustainable Site*

The project is a redevelopment of an existing site within the city. It provides increased density to reduce sprawl, utilizes existing infrastructure, and provides community connectivity with opportunities for biking, pedestrian access and transit use. The project includes a mix of uses including employment, retail and residential uses. The retail and residential uses compliment the employment use by allowing the employees to walk to the retail amenities and potentially walk to work. The mix of use also allows for sharing of parking stalls to reduce the amount of parking on the site. Landscaping will include indigenous species and will not include permanent irrigation.

*LEED Certification*

The first clinic building will be pursuing LEED for Healthcare certification.

*Energy Efficient Buildings*

The buildings will be much more energy efficient than the existing buildings on the site. The building shell and mechanical systems will be designed to provide increased energy efficiency. Sustainable strategies may include energy recovery, harvesting natural daylight and solar hot water heating.

*Water Efficiency – roof water collection and reuse*

The building’s plumbing fixtures will be chosen to save water. Strategies may include roof water collection for flushing of toilets.

*Recycling during demo and construction*

During demolition and construction the contractors will be looking for ways to recycle as much as possible to reduce waste that ends up in the landfills.

*Materials and Indoor air quality*

The project will utilize low and zero VOC products to create healthy interior spaces, regional materials to reduce transportation energy and materials with recycled content to reduce resource use.

**Architectural Design**

The Architectural design of the buildings will be of their time, energy efficient, utilizing clean contemporary lines with warm and inviting materials. Special care will be taken for the buildings to respond to the pedestrian scale along the streets.

The buildings are intended to define the public spaces of the streets and the common plaza area between the proposed hotel and the mixed use building. An architectural review board will be established that includes the developer and the major land user; the UW Hospital and Clinics.

- External Mechanical Equipment will be screened.
- Trash dumpsters and service areas will be screened from public spaces.
- Building materials will be durable and low maintenance.

**Signage**

The signage for each of the buildings will be submitted during the SIP process. The design of the signage within the UW Hospital and Clinics sites will be designed to help to designate the area as a campus. The remainder of the office and commercial areas will have unique signage.

**Schedule**

The first clinic building is intended to be occupied by January 2013, with construction starting in November of 2011. The remainder of the site is intended to be completed within 5 years.

### **Demolition**

It is the developer's intent to follow any and all City of Madison Demolition Recycling and Reuse regulations. As directed, ReStore will be contacted for items that can be removed for resale. Any and all appliances, which include HVAC equipment and water heaters, will be recycled and/or sold/reused. Devices that contain mercury, i.e. thermostats or fluorescent lights, will be recycled in the appropriate manner. Concrete, asphalt, and metal will be recycled for reuse.

### **Transportation Demand Management**

The location of this site at the crossroads of University Avenue, Whitney Way and Old Middleton Road affords great opportunities for alternative forms of transportation. The design of the master plan includes amenities to encourage bike, pedestrian and bus usage. The UW Hospital and Clinics have a sophisticated TDM program to encourage multi modes of transportation to reduce single occupant vehicular trips for their employees.

#### *Bike*

The clinic building will include internal bike storage, showers, lockers and changing rooms to encourage bike use by employees. The site master plan includes a new North South bike path to connect to the new development. The bike path will provide a connection to the Trillium Neighborhood to the west and will allow for bike and pedestrian connections.

#### *Transit*

The UW provides complimentary bus passes to all employees. The passes work for any city bus and this site is currently served by several bus routes on University Avenue and Whitney Way.

#### *Future Transit*

The corner of Whitney Way and Old Middleton Road has been designated for a future Light Rail Station and would provide excellent connectivity for all users of the site including the employees of the UW Hospital and Clinics.

#### *Park and Ride*

Madison Metro provides 4 free Park and Ride lots

#### *Carpool*

Carpool matching is available through Dane County's Rideshare program.

#### *Vanpool*

WI Department of Administration runs a statewide vanpool which many UW employees use.

#### *Custom Route Planning and Individualized Marketing*

UW Transportation Services periodically sends out (or holds special events to distribute) targeted marketing information on alternatives to driving. For those with an interest, we can provide a tailored information packet including door-to-door transit and bicycle routes and/or advice on using our support services or taking alternative modes.

#### **Traffic Study**

A traffic study is partially completed and will be part of the final SIP submittal.

#### **Public Assistance**

Build out of the project at densities requiring parking ramps is dependent on Tax Incremental Financing. Preliminary discussions have occurred with the city and a TIF application is in the process.

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

**AGENDA ITEM # \_\_\_\_\_**

**Project # \_\_\_\_\_**

**Legistar # \_\_\_\_\_**

DATE SUBMITTED: <u>September 28, 2011</u>	<b>Action Requested</b>
UDC MEETING DATE: <u>October 05, 2011</u>	<input type="checkbox"/> Informational Presentation
	<input type="checkbox"/> Initial Approval and/or Recommendation
	<input checked="" type="checkbox"/> Final Approval and/or Recommendation

**PLEASE PRINT!**

**PLEASE PRINT!**

PROJECT ADDRESS: 5115 University Avenue

ALDERMANIC DISTRICT: 19

OWNER/DEVELOPER (Partners and/or Principals) ARCHITECT/DESIGNER/OR AGENT:

Paul Lenhart, President

Doug Hursh, Executive VP

The Lenhart Company

Potter Lawson, Inc.

CONTACT PERSON: Doug Hursh

Address: 15 Ellis Potter Court  
Madison, WI 53711

Phone: 608-274-2741

Fax: 608-274-3674

E-mail address: dough@potterlawson.com

**TYPE OF PROJECT:**

(See Section A for:)

Planned Unit Development (PUD)

General Development Plan (GDP)

Specific Implementation Plan (SIP)

Planned Community Development (PCD)

General Development Plan (GDP)

Specific Implementation Plan (SIP)

Planned Residential Development (PRD)

New Construction or Exterior Remodeling in an Urban Design District \* (A public hearing is required as well as a fee)

School, Public Building or Space (Fee may be required)

New Construction or Addition to or Remodeling of a Retail, Hotel or Motel Building Exceeding 40,000 Sq. Ft.

Planned Commercial Site

(See Section B for:)

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

(See Section C for:)

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

(See Section D for:)

Comprehensive Design Review\* (Fee required)

Street Graphics Variance\* (Fee required)

Other \_\_\_\_\_

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

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

# 2

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## SECTION TWO

### 2.1 Planned Unit Development Zoning

## 2.1 PLANNED UNIT DEVELOPMENT ZONING

1. **Legal Description:** Part of Lot 2 Certified Survey Map No. 4473, recorded in Volume 19 of Certified Survey Maps on Pages 181 and 182 as Document No. 1850622 and a parcel of land located in the SE1/4 and SW1/4 of the SE1/4 of Section 18 and in the NE1/4 and NW1/4 of the NE1/4 of Section 19, T7N, R9E, City of Madison, Dane County, Wisconsin to-wit: Commencing at the north quarter corner of said Section 19; thence N88°39'15"E along the north line of said NE1/4, 662.06 feet to the point of beginning; thence N00°11'21"W, 486.39 feet; thence N44°18'07"E, 182.13 feet; thence S43°38'23"E, 74.49 feet; thence N44°17'58"E, 237.90 feet to the southerly right-of-way line of University Avenue and a point of curve; thence southeasterly, along said southerly right-of-way line, on a curve to the left which has a radius of 2,925.00 feet and a chord which bears S46°42'50"E, 224.44 feet; thence S46°06'07"E, 90.04 feet to a point of curve; thence southeasterly on a curve to the left which has a radius of 2052.00 feet and a chord which bears S54°17'02"E, 171.45 feet to a point on a curve; thence southeasterly on a curve to the left which has a radius of 2925.00 feet and a chord which bears S55°10'19"E, 117.15 feet to a point of reverse curve; thence continuing along said southerly right-of-way line and westerly right-of-way line of Whitney Way, on a curve to the right which has a radius of 75.00 feet and a chord which bears S13°47'28"E, 105.21 feet; thence S30°19'22"W along said westerly right-of-way line, 127.18 feet; thence S12°03'20"E along said westerly right-of-way line, 215.17 feet; thence S12°19'04"E along said westerly right-of-way line, 4.96 feet; thence N85°21'00"W, 144.57 feet; thence N89°34'30"W, 271.00 feet; thence S00°25'30"W, 319.96 feet to the State of Wisconsin Department of Transportation north right-of-way line and a point on a curve; thence northwesterly on a curve to the right which has a radius of 2406.20 feet and a chord which bears N84°14'42"W, 397.06 feet; thence N00°11'21"W, 343.86 feet to the point of beginning. Containing 624,281 square feet (14.332 acres).
2. **Statement of Purpose:** This Planned Unit Development zoning is established to allow for the development of a mixed-use redevelopment project containing a mix of office, medical, retail and housing uses with accessory parking, as shown on the attached General Development Plan. Implementation of the Planned Unit Development is likely to occur in phases following approval of individual projects on one or more Specific Implementation Plans.
3. **Permitted Uses:** Uses as permitted on Exhibit A, attached hereto.
4. **Lot Area, Floor Area Ratio and Building Heights:** Lot Area, Building Heights and Floor Area Ratio shall be as shown on approved specific implementation plans.
5. **Yard Requirements:** Yard Areas and Usable Open Space for any residential units shall be provided as shown on approved specific implementation plans.
6. **Landscaping:** Site Landscaping shall be provided as shown on the approved specific implementation plans.
7. **Accessory Off-Street Parking & Loading:** Accessory Off-Street Parking & Loading shall be provided as shown on the approved specific implementation plans.
8. **Lighting:** Site Lighting shall be provided as shown on the approved specific implementation plans.
9. **Signage:** Signage will be provided per Chapter 31 of Madison General Ordinances (MGO), as compared to the C2 district, and as approved by the Urban Design Commission or its secretary and by the Zoning Administrator.
10. **Family Definition:** The Family Definition for any future multi-family dwelling units (including apartments, townhouses, etc.) shall coincide with the definition given in MGO Sec. 28.03, for the R4 zoning district.

**11. Alterations and Revisions:** No alteration or revision of this planned unit development shall be permitted unless approved by the City Plan Commission, however, the zoning Administrator may issue permits for minor alterations or additions which are approved by the Director of Planning and Community & Economic Development and the alderperson of the district and are compatible with the concept approved by the City Plan Commission.

**12. Outdoor Eating Areas:** Outdoor Eating Areas for restaurants shown on approved specific implementation plans approved by the Plan Commission, or as minor alterations to approved and recorded specific implementation plans for existing restaurants when approved by the District Alderperson and Planning Division Director, with the following conditions or as otherwise provided for through the alteration process:

a. **Hours of Operation:** Sunday-Thursday – 7:00 am to 10:00 pm; Friday-Saturday – 7:00 am to 11:00 pm

b. **Music:** No outdoor amplification of sound is permitted

c. **Outdoor eating areas:** shall be subject to the Plan Commission’s continuing jurisdiction, as provided for in Section 28.12(11)h.4.

**EXHIBIT A – PERMITTED USES**

The following uses shall be permitted in this Planned Unit Development:

1. Amusement arcades.
2. Appliance stores.
3. Art and school supply stores.
4. Art galleries, antique shops and museums.
5. Automobile accessory stores.
6. Banks and financial institutions, including drive-up service windows for same when shown on an approved specific implementation plan.
7. Barbershops and beauty parlors.
8. Bedding sales.
9. Beauty supply stores.
10. Bicycle sales, rental and repair establishments.
11. Book, magazine and stationery stores, excluding adult bookstores.
12. Building supply stores.
13. Camera and photographic supply stores.
14. Candy, ice cream stores, and other food establishments.
15. Card and gift shops.
16. Carpet and Floor covering stores.
17. China and glassware stores.
18. Clothing and costume rental stores
19. Coffee shops
20. Coin and stamp shops
21. Dance studios.
22. Day care centers for children and adults.
23. Department stores.
24. Drugstores and pharmacies including drive-up service windows for same when shown on an approved specific implementation plan.
25. Dry cleaning and laundry establishments provided that no cleaning or laundering occur on premises.
26. Dry goods stores.

27. Electronic stores, including the sale and service of computer, audio, radio, telecommunications and television – video equipment and accessories.
28. Entertainment Uses, including Theater Uses.
29. Engraving businesses.
30. Express and parcel delivery establishments.
31. Financial institutions, including automated teller machines, banks, savings banks and credit unions, insurance agencies and securities dealers.
32. Florist shops and nurseries.
33. Food stores – grocery stores, meat stores, fish markets, bakeries, delicatessens, and catering establishments.
34. Furniture stores.
35. General Merchandise Retail Stores.
36. Gift shops.
37. Hardware stores.
38. Hobby shops.
39. Home Furnishings stores.
40. Hotels and hospitality uses as shown on approved specific implementation plans.
41. Household appliance stores, including radio and television sales and service.
42. Jewelry and watch stores, including repair.
43. Leather goods and luggage stores.
44. Libraries.
45. Liquor stores (packaged goods only).
46. Locksmith shops.
47. Luggage and travel stores.
48. Massage therapy.
49. Hospital, medical, dental, hearing, optical and allied medical clinics and offices and research laboratories, including accessory laboratories.
50. Musical instrument lessons, sales and repair.
51. Multi-family and senior residences as shown on the approved specific implementation plans, including home occupations as defined in MGO Sec. 28.04(26).
52. Nail salons.
53. Office supply and stationery stores.
54. Offices, business, government and professional.
55. Optical sales.
56. Orthopedic and medical appliance and supply stores.
57. Outdoor seating and recreation areas.
58. Parking lots, garages and structures.
59. Personal computers and home electronics, sales and service.
60. Pet stores and pet kennels, provided however there shall be no outdoor pet runs.
61. Phonograph, record and sheet music stores.
62. Physical culture, health services, reducing salons and health clubs/ gyms.
63. Physical therapy and therapeutic massage services.
64. Picture framing.
65. Post offices, including private parcel business.
66. Record, compact disc and cassette stores.
67. Restaurants, including brewpubs and restaurant-taverns and excluding adult entertainment taverns. Outdoor eating areas associated with the approved uses.
68. Sewing machine sales and service, household appliances only.
69. Shoe and hat repair stores.
70. Sporting goods stores.
71. Tailor shops.
72. Tobacco shops.
73. Toy shops.
74. Travel bureau and transportation ticket offices.
75. Upholstery and interior decorating shops.
76. Variety stores.
77. Veterinary clinics (outside kennels prohibited).
78. Video and video game rental and sale establishments, excluding adult video stores.
79. Wearing apparel and shoe shops.
80. Farmers markets for the sale of personally prepared food and handcrafted goods.
81. Secondhand and rummage shops.
82. Outdoor charging stations for electric and alternative vehicles.
83. Shared bicycle stations
84. Accessory uses directly associated with the permitted uses listed herein.

# 3

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## SECTION THREE

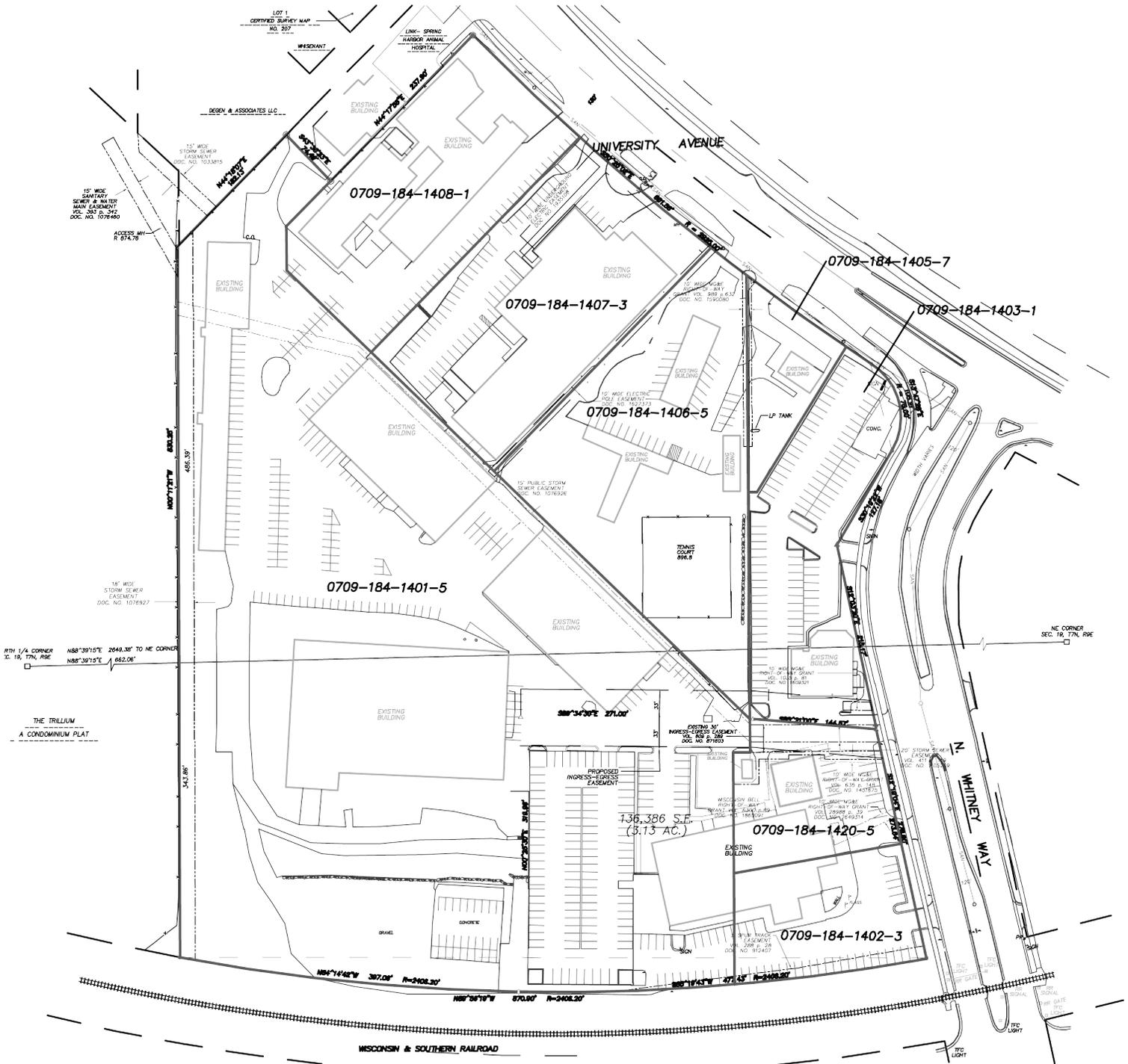
- 3.1 Existing Site Aerial Photograph
- 3.2 Existing Site Plan
- 3.3 Photographs of Adjacent Structures

### 3.1 EXISTING SITE AERIAL PHOTOGRAPH



1. 5117 University Ave
2. 5105 University Ave
3. 5063 University Ave
4. 702 N Whitney Way
5. 650 N Whitney Way
6. 610 N Whitney Way
7. 610 N Whitney Way
8. 5111 University Ave
9. 5115 University Ave
10. 5107 University Ave
11. 5119 University Ave

### 3.2 EXISTING SITE PLAN AND PARCEL NUMBERS



\*Drawing not to scale

### 3.3 PHOTOGRAPHS OF ADJACENT STRUCTURES

5129 UNIVERSITY AVENUE, SPRING HARBOR ANIMAL HOSPITAL



650 N. WHITNEY WAY, OPEN PANTRY



610 N. WHITNEY WAY, PSC BUILDING



# 4

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## SECTION FOUR

- 4.1 Lot and Yard Diagram
- 4.2 Build-to Diagram
- 4.3 Concept Master Plan
- 4.4 Building Data and Utilization
- 4.5 Development Massing Study
- 4.6 Development Street Sections
- 4.7 Community Connectivity Diagram
- 4.8 Specific Implementation Plan (SIP) Design Concepts

### 4.1 LOT AND YARD DIAGRAM



\*Drawing not to scale

- PRELIMINARY PLAT
- BUILDING SETBACK LINE
- POSSIBLE BUILDING FOOTPRINTS



### 4.3 CONCEPT MASTER PLAN

**Buildings**

- ① 60,000 SF Clinic  
3 stories, 20,000 SF/floor
- ①A 70,000 SF Clinic  
4 stories  
17,500 SF/floor
- ② 80,000 SF Clinic  
3 stories  
26,700 SF/floor
- ③ 40,000 sf non-profit Hospitality
- ④ 63,000 SF Office and Retail  
3 stories  
21,000 SF/floor
- ⑤ Hotel  
6 floors/130 Rooms
- ⑥ Residential/Retail  
Approx. 65 units  
3 and 4 stories  
Approx. 900 sf/unit

● Proposed Trash and Recycling Locations



**\*\*This is a Concept Masterplan. Final building footprint uses and sizes will be determined during the SIP submittals.**

## 4.4 BUILDING DATA AND UTILIZATION

### Building Data and Utilization Chart

Lot #	Potential Land Use	Net Lot Area (sf)	Proposed Footprint Area (sf)	Proposed Height (stories)	Proposed Building Area (sf)	F.A.R.	Proposed Parking Stalls
1	Clinic	186,000	Bldg 1: 20,000 Bldg 1A: 17,500	3 4	Bldg 1: 60,000 Bldg 1A: 70,000	.70	Surface: 47 Structure A: 456 Below Bldg: 38
2	Clinic	144,184	Bldg 2: 26,700	3	Bldg 2: 80,000	.55	Surface: 19 Structure B: 342 Below Bldg: 50
3	Non-profit hospitality	43,560	Bldg 3: 13,400	3	Bldg 3: 40,000	.92	Surface: 42
4	Office/Retail	54,014	Bldg 4: 21,000	3	Bldg 4 retail: 20,000 Bldg 4 office: 43,000	1.17	Surface: 9 Below Bldg: 38
5	Hotel	40,075	Bldg 5: 14,000	6	Bldg 5: 84,000	2.10	Surface: 29
6	Residential/Retail	33,977	Bldg 6: 25,800	4	Bldg 6 retail: 4,200 Bldg 6 res: 87,000	2.68	0
7	Parking*	38,768	-	-	-	-	Structure C: 293-393

Total Building Area: 488,200 Total Parking Stalls 1,363-1,463

2.79-3.00 stalls/ 1,000 sf

\*Parking Structure C for Buildings 4, 5, & 6

#### Parking

Parking Structure A: 3 Levels

Parking Structure B: 3 Levels

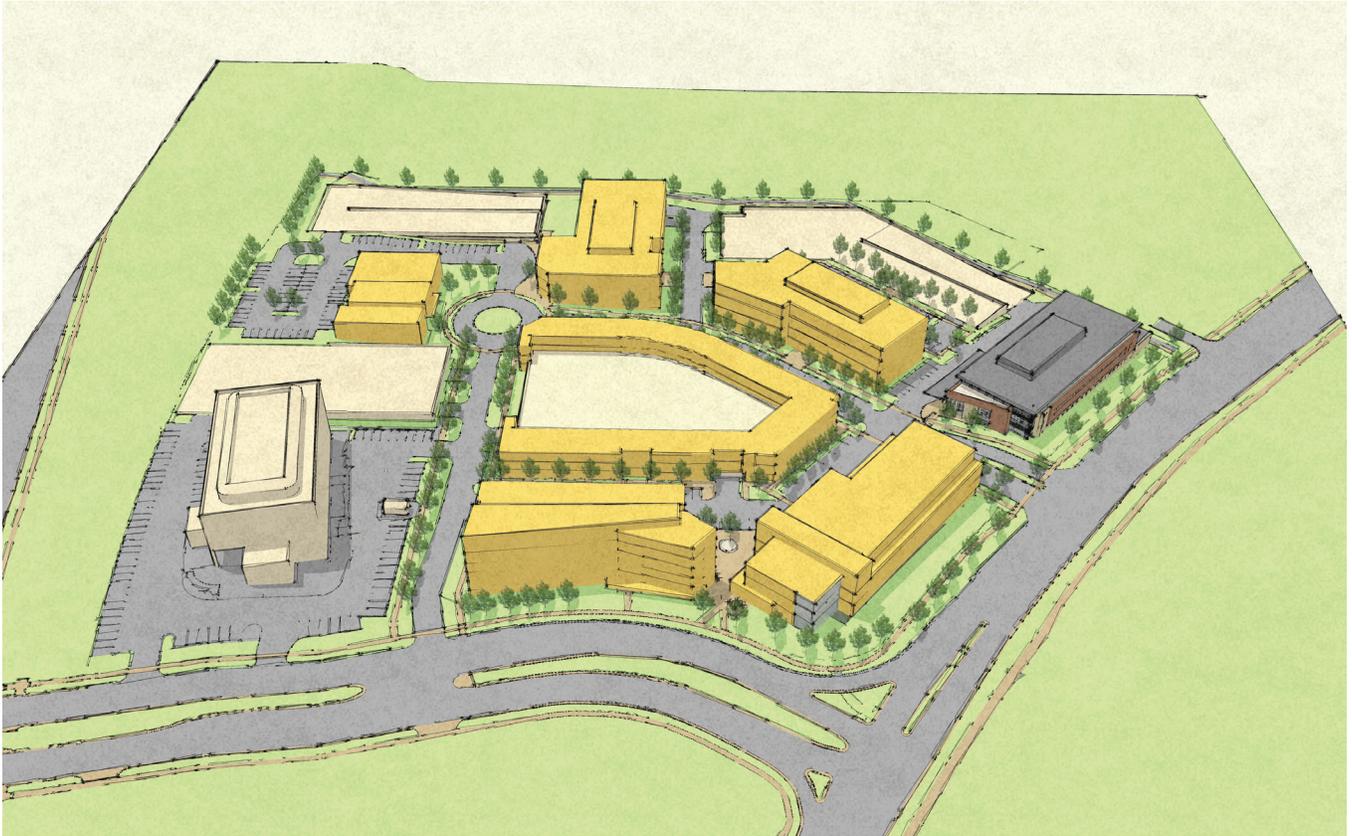
Parking Structure C: 3-4 Levels

## 4.5 DEVELOPMENT MASSING STUDIES



**NORTH AERIAL**

## 4.5 DEVELOPMENT MASSING STUDIES



EAST AERIAL

## 4.5 DEVELOPMENT MASSING STUDIES



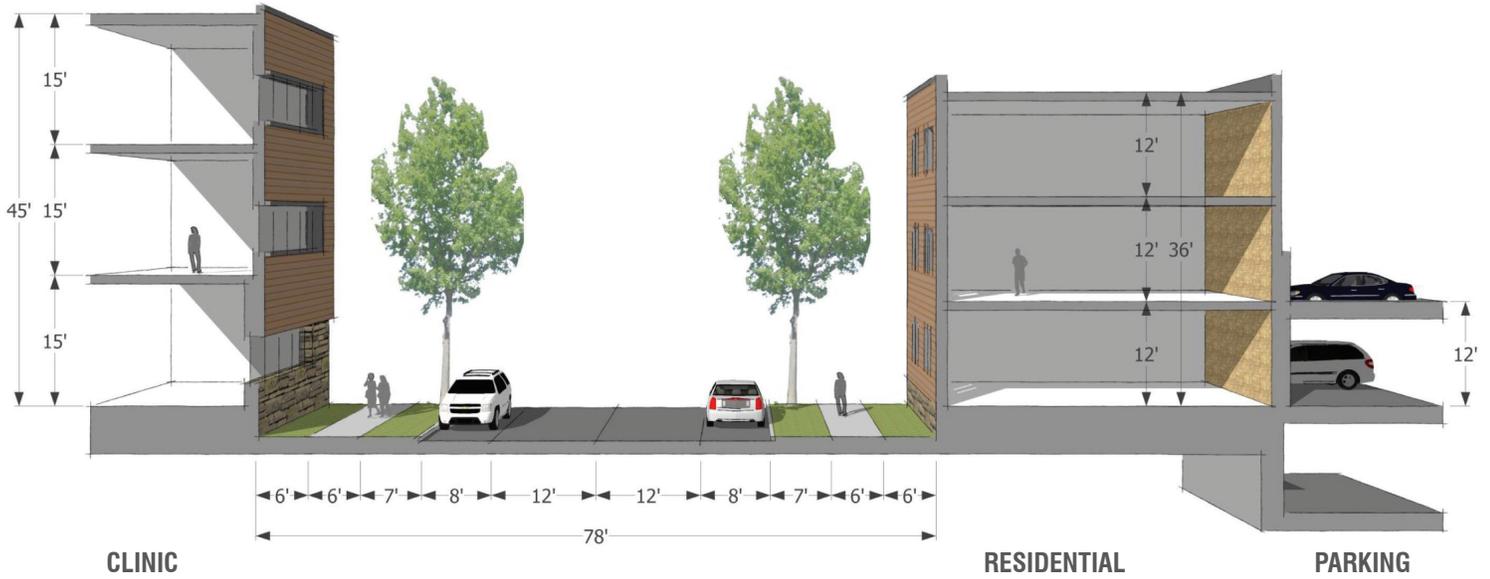
**COURTYARD AERIAL**

## **4.6 DEVELOPMENT STREET SECTIONS**

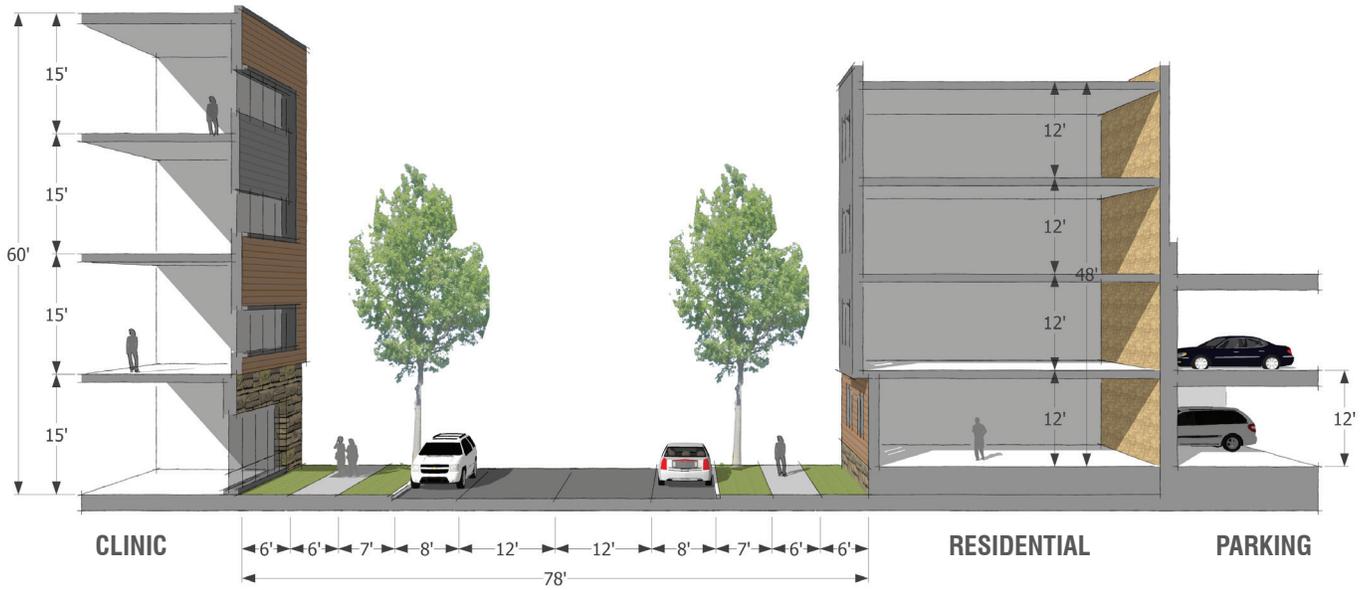
### **CONCEPTUAL STREET DESIGN**

The following diagrams illustrate the street sections as shown in the GDP master plan. The buildings are shown with minimal set backs to create definition of the public street space and enhance pedestrian access on the site. The street cross sections will serve as a template for the development of the street layouts with the goal of implementing balanced pedestrian and vehicular uses. The conceptual street designs will be finalized as part of the development agreement.

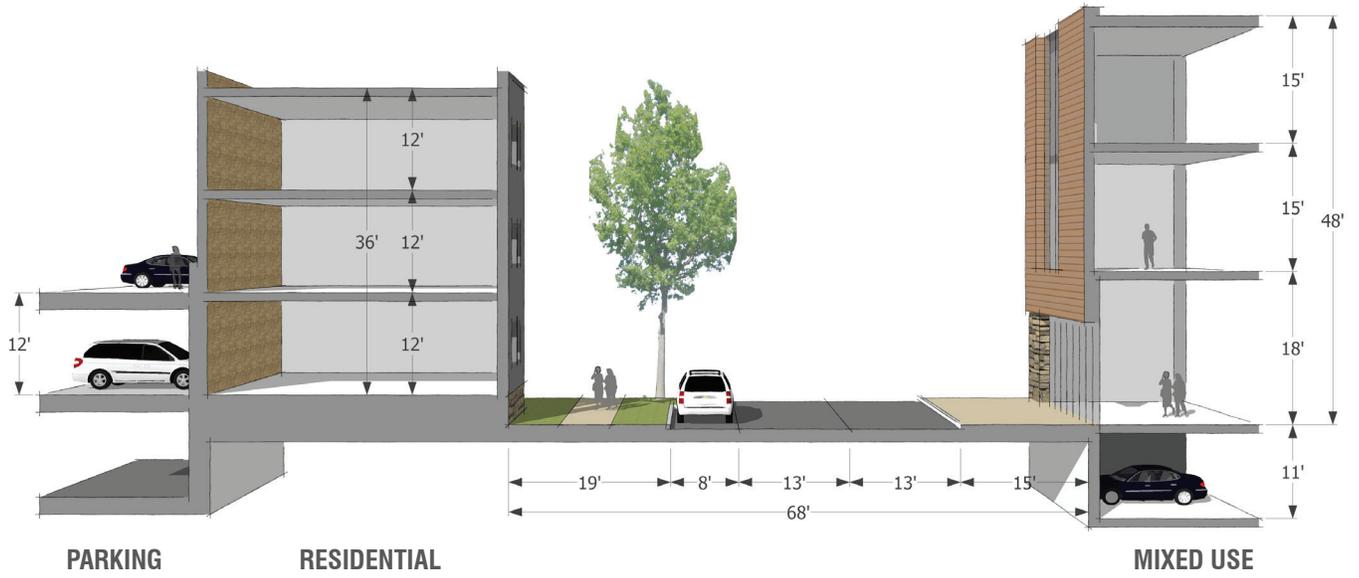
### 4.6 DEVELOPMENT STREET SECTIONS



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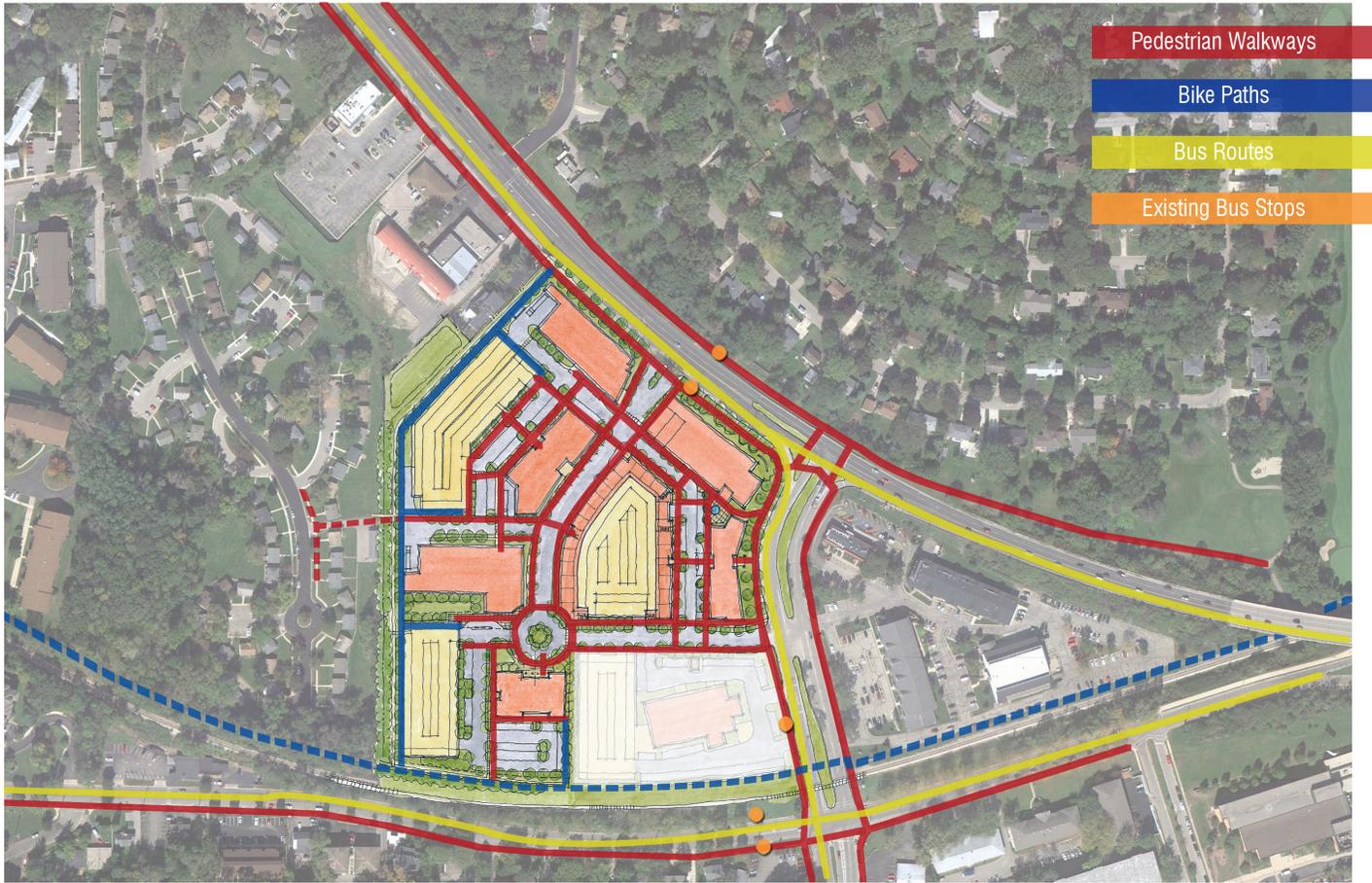
### 4.6 DEVELOPMENT STREET SECTIONS



### 4.6 DEVELOPMENT STREET SECTIONS



### 4.7 COMMUNITY CONNECTIVITY DIAGRAM



#### 4.8 Specific Implementation Plan (SIP) Design Concepts



## 4.8 Specific Implementation Plan (SIP) Design Concepts



## 4.8 Specific Implementation Plan (SIP) Design Concepts



# 5

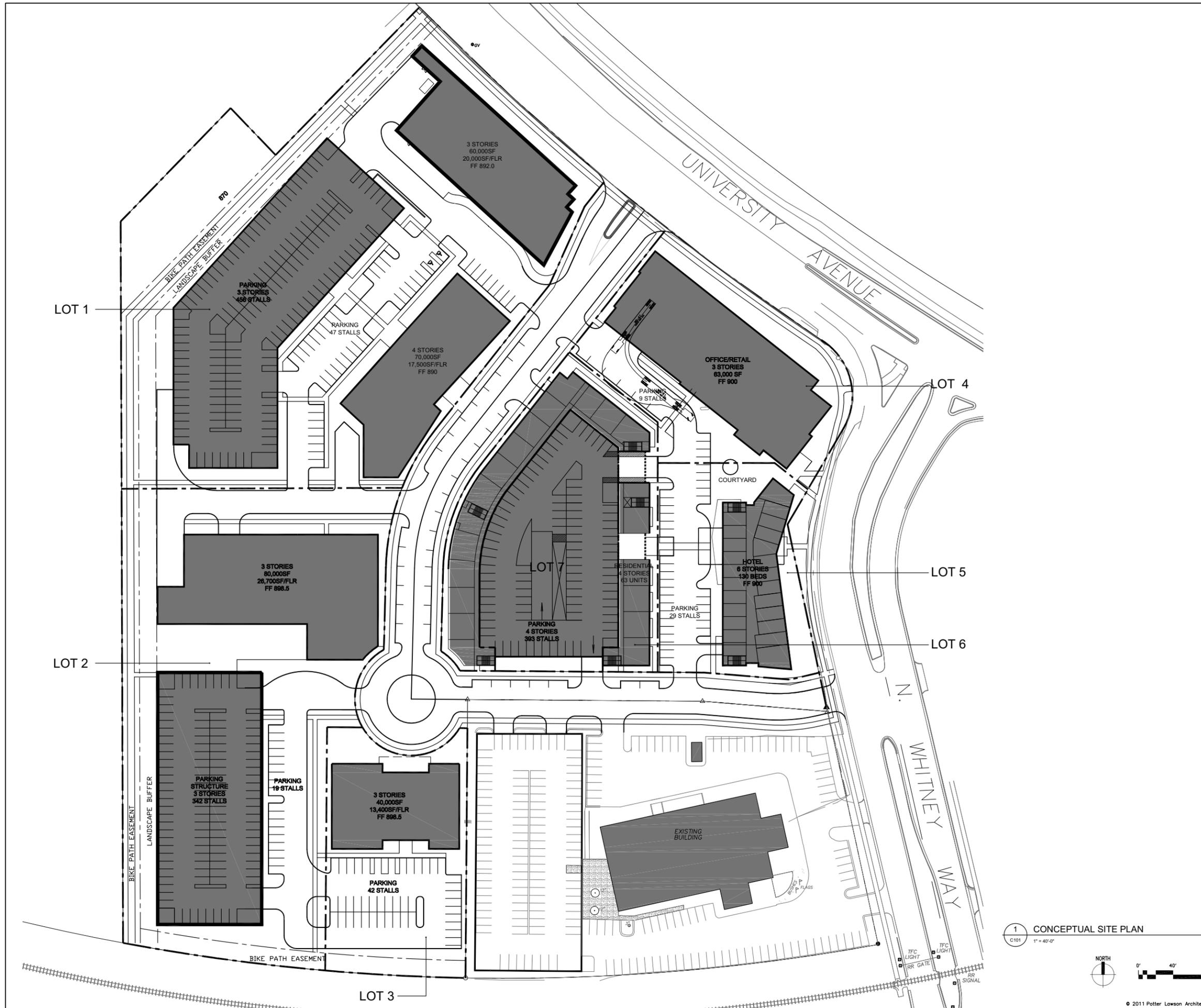
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## SECTION FIVE

- 5.1 General Development Plan (GDP) Drawings
  - C101 Site Plan
  - C102 Grading Plan
  - L200 Landscaping Plan
    - Proposed Pocket Park Locations
  
- 5.2 Specific Implementation Plan (SIP) Drawings
  - C101 Site Plan
  - C102 Grading/Erosion Control Plan
  - L100 Landscaping Plan and Details
  - E101 Site Lighting Plan
    - Proposed Site Lighting Fixture Information
  - A201 Building Elevations
  - A202 Building Elevations

Consultant:

Notes:



9/28/11	UDC FINAL APPROVAL SUBMITTAL	
7/27/11	URBAN DESIGN COMMISSION SUBMITTAL	
Date	Issuance/Revisions	Symbol

**UNIVERSITY AVENUE/  
WHITNEY WAY  
DEVELOPMENT**

THE LENHART COMPANY  
KRUPP GENERAL CONTRACTORS

5115 UNIVERSITY AVENUE  
MADISON, WISCONSIN

Drawing Title:  
**GDP CONCEPTUAL SITE PLAN**

**1 CONCEPTUAL SITE PLAN**  
C101 1" = 40'-0"



PL Project Number:  
2011.06.00  
Drawing No.  
**C101**  
Drawn By:  
DMT

Consultant:

**D'ONOFRIO KOTTKE AND ASSOCIATES, INC.**  
7530 Westward Way, Madison, WI 53717  
Phone: 608.833.7530 • Fax: 608.833.1089  
YOUR NATURAL RESOURCE FOR LAND DEVELOPMENT

PN: 10-04-120

Notes:



**LEGEND**

X 885.0 PROPOSED SPOT GRADE

910  
900  
890 PROPOSED PARKING RAMP GRADES



**UNIVERSITY CROSSING**

THE LENHART COMPANY  
KRUPP GENERAL CONTRACTORS

5115 UNIVERSITY AVENUE  
MADISON, WISCONSIN

PUD - GDP  
PRELIMINARY GRADING  
PLAN

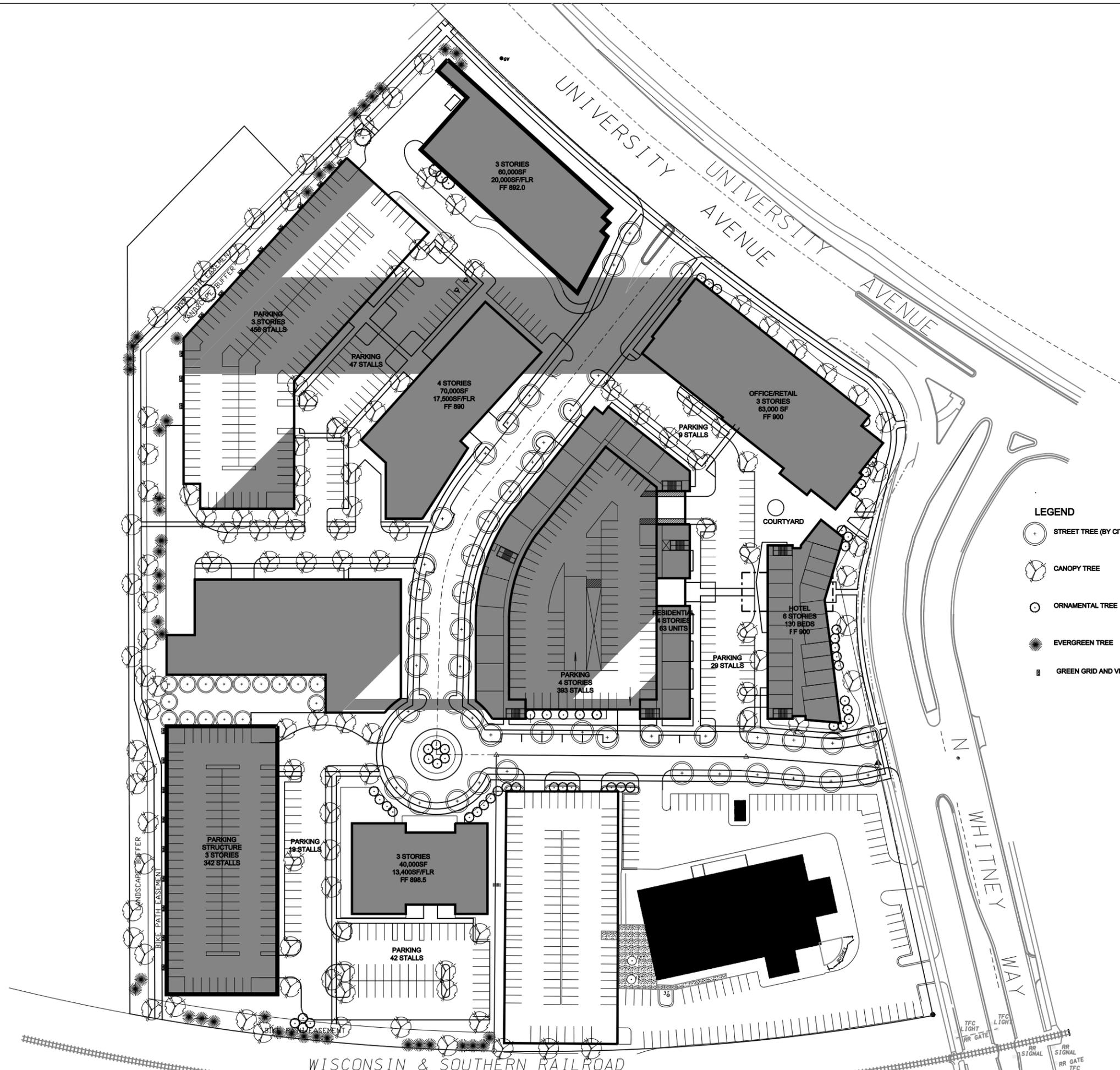
Project Number: Drawing No.  
Date: Issuance/Revisions Symbol  
Drawn By: **C102**

Consultant:



Notes:

REVIEW SET - NOT FOR CONSTRUCTION



**LEGEND**

- STREET TREE (BY CITY)
- CANOPY TREE
- ORNAMENTAL TREE
- EVERGREEN TREE
- GREEN GRID AND VINE PLANTING

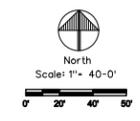
Date	Issuance/Revisions	Symbol
9/28/11	UDC SUBMITTAL	
7/27/11	UDC SUBMITTAL	
7/13/11	GDP & SIP SUBMITTAL	

**UNIVERSITY AVENUE/  
WHITNEY WAY  
DEVELOPMENT**

THE LENHART COMPANY  
KRUPP GENERAL CONTRACTORS

5115 UNIVERSITY AVENUE  
MADISON, WISCONSIN

Drawing Title:  
**GDP PLANTING PLAN**



PIJ Project Number: Drawing No:  
Drawn By: SRK **L200**





Consultant:

**D'ONOFRIO KOTTKE AND ASSOCIATES, INC.**  
7530 Westward Way, Madison, WI 53717  
Phone: 608.833.7530 • Fax: 608.833.1089  
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FN 11-06-118

Notes:

Date	Issuance/Revisions	Symbol
9/28/11	UDC SUBMITTAL	
7/25/11	UDC SUBMITTAL	
7/13/11	GDP & SIP SUBMITTAL	

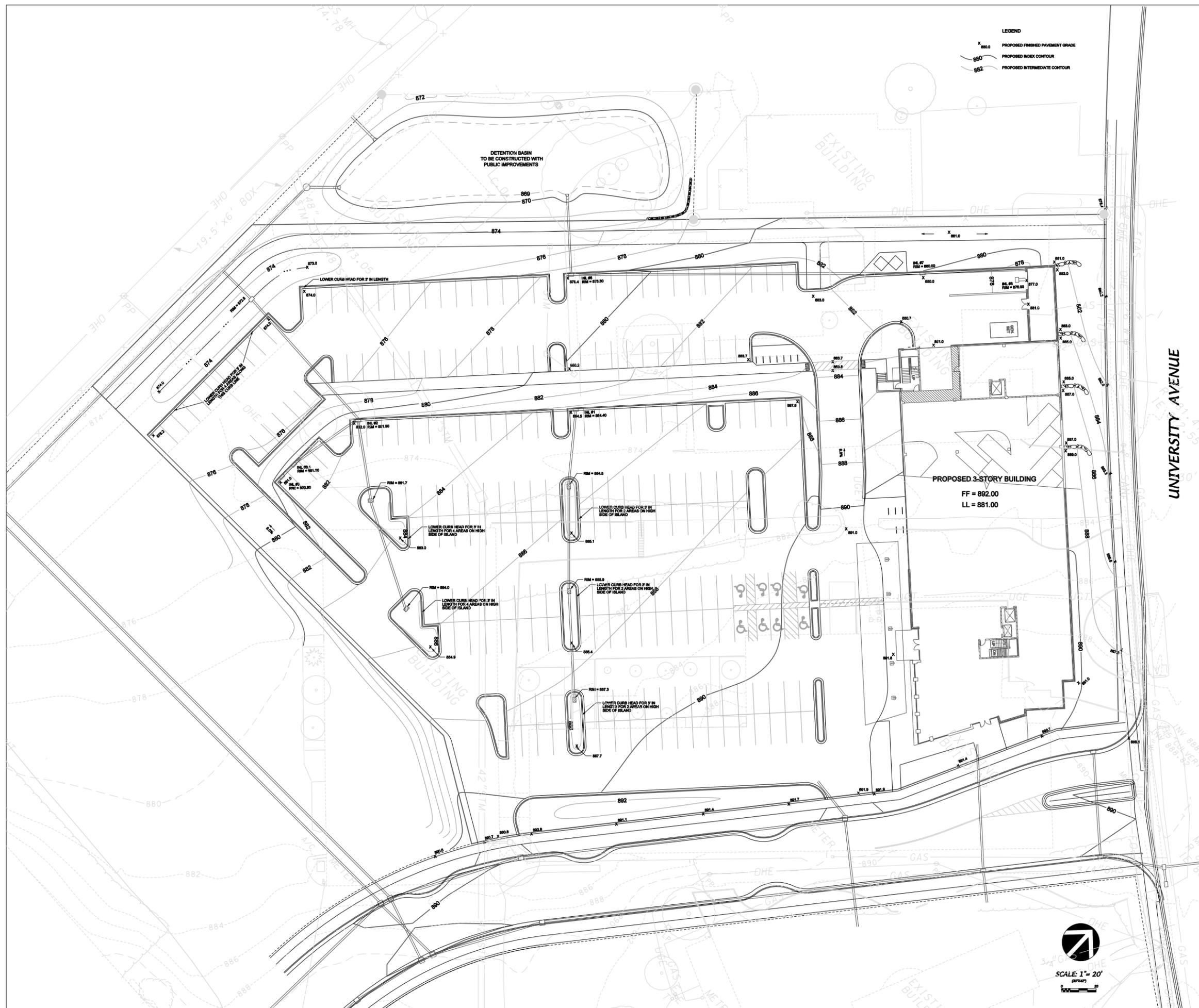
**UNIVERSITY CROSSING**

THE LENHART COMPANY  
KRUPP GENERAL CONTRACTORS

5115 UNIVERSITY AVENUE  
MADISON, WISCONSIN

Drawing Title:  
**SITE GRADING PLAN**

Project Number: Drawing No.  
Drawn By: **C102**



Consultant:



Notes:

REVIEW SET - NOT FOR CONSTRUCTION

9/28/11	UDC SUBMITTAL	
7/27/11	UDC SUBMITTAL	
7/13/11	GDP & SIP SUBMITTAL	
Date	Issuance/Revisions	Symbol

**UNIVERSITY AVENUE/  
WHITNEY WAY  
DEVELOPMENT**

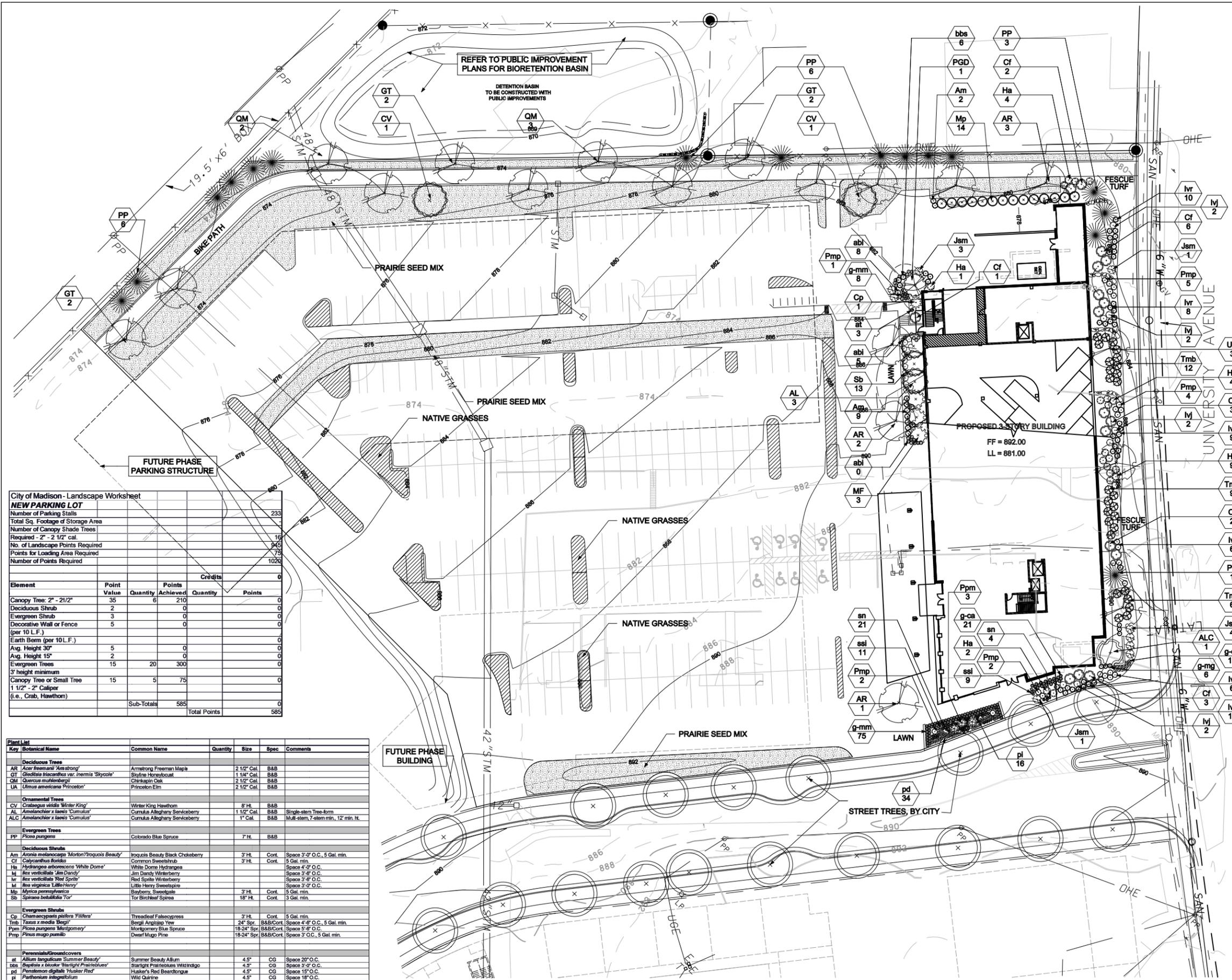
THE LENHART COMPANY  
KRUPP GENERAL CONTRACTORS

5115 UNIVERSITY AVENUE  
MADISON, WISCONSIN

Drawing Title:  
**SIP PLANTING PLAN**

PLI Project Number:  
Drawing No.  
Drawn By:  
SRK

**L100**



City of Madison - Landscape Worksheet

**NEW PARKING LOT**

Number of Parking Stalls	233
Total Sq. Footage of Storage Area	
Number of Canopy Shade Trees	16
Required - 2" - 2 1/2" Cal	96
No. of Landscape Points Required	75
Points for Loading Area Required	1020
Number of Points Required	

Element	Point Value	Quantity	Points Achieved	Quantity	Points	Credits
Canopy Tree: 2" - 2 1/2"	35	6	210		0	0
Deciduous Shrub	2		0		0	0
Evergreen Shrub	3		0		0	0
Decorative Wall or Fence (per 10 L.F.)	5		0		0	0
Earth Berm (per 10 L.F.)			0		0	0
Avg. Height 30"	5		0		0	0
Avg. Height 15"	2		0		0	0
Evergreen Trees	15	20	300		0	0
3' height minimum						
Canopy Tree or Small Tree (1 1/2" - 2" Caliper (i.e., Crab, Hawthorn))	15	5	75		0	0
Sub-Totals			585			
Total Points			585			

**Plant List**

Key	Botanical Name	Common Name	Quantity	Size	Spec	Comments
<b>Deciduous Trees</b>						
AR	<i>Acer freemanii</i> 'Amstrong'	Armstrong Freeman Maple	2 1/2"	Cal.	B&B	
GT	<i>Glodisia inaequalis</i> var. <i>inermis</i> 'Skycoke'	Skyline Honeylocust	1 1/4"	Cal.	B&B	
QM	<i>Quercus muhlenbergii</i>	Chinkapin Oak	2 1/2"	Cal.	B&B	
UA	<i>Ulmus americana</i> 'Princeton'	Princeton Elm	2 1/2"	Cal.	B&B	
<b>Ornamental Trees</b>						
CV	<i>Crataegus viridis</i> 'Winter King'	Winter King Hawthorn	8"	Ht.	B&B	
AL	<i>Amelanchier x laevis</i> 'Custalus'	Cornus Alleghany Senecoberry	1 1/2"	Cal.	B&B	Single stem Tree-form
ALC	<i>Amelanchier x laevis</i> 'Custalus'	Cornus Alleghany Senecoberry	1"	Cal.	B&B	Multi-stem, 7-stem min, 12" min. ht.
<b>Evergreen Trees</b>						
PP	<i>Picea pungens</i>	Colorado Blue Spruce	7"	Ht.	B&B	
<b>Deciduous Shrubs</b>						
Am	<i>Aronia melanocarpa</i> 'Morton/Tronquois Beauty'	Ironquias Beauty Black Chokeberry	3"	Ht.	Cont.	Space 3'-0" O.C., 5 Gal. min.
Cf	<i>Calycanthus floridus</i>	Common Sweetshrub	3"	Ht.	Cont.	5 Gal. min.
Ha	<i>Hydrangea arborescens</i> 'White Dome'	White Dome Hydrangea			Cont.	Space 4'-0" O.C.
M	<i>Moraea verticillata</i> 'Jim Dandy'	Jim Dandy Winterberry			Cont.	Space 3'-0" O.C.
hr	<i>Rosa wichitana</i> 'Red Spire'	Red Spire Winterberry			Cont.	Space 3'-0" O.C.
M	<i>Moraea verticillata</i> 'Little Henry'	Little Henry Winterberry			Cont.	Space 3'-0" O.C.
Mp	<i>Myrica pennsylvanica</i>	Bayberry, Sweetgale	3"	Ht.	Cont.	5 Gal. min.
Sb	<i>Spiraea betulifolia</i> 'Tor'	Tor Birchleaf Spirea	18"	Ht.	Cont.	3 Gal. min.
<b>Evergreen Shrubs</b>						
Cp	<i>Chamaecyparis pfitzeri</i> 'Fifteen'	Threadleaf Falsecypress	2"	Ht.	Cont.	5 Gal. min.
Tmb	<i>Taxus x media</i> 'Royal'	Royal Arborvitae	24"	Spr.	B&B/Cont.	Space 3'-0" O.C., 5 Gal. min.
Ppen	<i>Picea pungens</i> 'Montgomery'	Montgomery Blue Spruce	18-24"	Spr.	B&B/Cont.	Space 3'-0" O.C.
Pmp	<i>Pinus mugo</i> 'pumilio'	Dwarf Mugo Pine	18-24"	Spr.	B&B/Cont.	Space 3' O.C., 5 Gal. min.
<b>Perennials/Groundcovers</b>						
gt	<i>Allium ligulicium</i> 'Summer Beauty'	Summer Beauty Allium	4.5"	CG	CG	Space 20" O.C.
lsp	<i>Lupinus albus</i> 'Straight Prairieblue'	Straight Prairieblue Wild Indigo	4.5"	CG	CG	Space 3'-0" O.C.
pd	<i>Penstemon digitalis</i> 'Husker Red'	Husker's Red Beardtongue	4.5"	CG	CG	Space 15" O.C.
pl	<i>Platystemon integrifolium</i>	Wild Quinine	4.5"	CG	CG	Space 18" O.C.
sn	<i>Solidago nemoralis</i> 'Caradonna'	Caradonna Salvia	4.5"	CG	CG	
ssi	<i>Sedum spectabile</i> 'Iceberg'	Iceberg Sedum	4.5"	CG	CG	
<b>Grasses</b>						
g-ca	<i>Calamagrostis acutiflora</i> 'Overdam'	Variegated Feather Reed Grass	4.5"	CG	CG	
g-dc	<i>Deschampsia caespitosa</i> 'Goldfay'	Gold Dew Tufted Hair Grass	4.5"	CG	CG	Space 22" O.C.
g-ma	<i>Miscanthus sinensis</i> 'Gracillimus'	Maiden Grass	4.5"	CG	CG	
g-mm	<i>Molinia caerulea</i> 'Moorflamme'	Moorflamme Purple Moor Grass	4.5"	CG	CG	

Note: In the practice of good stewardship and in alignment with Urban Design Commission recommendations, native plants and grasses are being substituted in the parking lot for some required trees. The General Development Plan phasing indicates this parking lot will be removed and replaced with a future building and parking structure. The required number of trees will be provided at that time.

Consultant:

**KJW** ENGINEERING CONSULTANTS  
Experience you can build on™  
802 WEST BROADWAY, SUITE 312  
MADISON, WI 53713  
608.223.9600 FAX: 608.223.9601  
www.kjw.com #11.0315.03

STRUCTURAL | MECHANICAL | ELECTRICAL  
TECHNOLOGY | MEDICAL EQUIPMENT SOLUTIONS

Notes:

LUMINAIRE SCHEDULE						
MOUNTING (MTO)	LAMP TYPE	LENS/GUARD (LGL)				
RE - RECESSED	FL - FLUORESCENT	A - 12" ACRYLIC				
SP - SUSPENDED	CF - COMPACT FLUORESCENT	B - BLACK BAFFLE				
CL - CEILING SURFACE	HL - HALOGEN	C - CLEAR ALZAK				
WL - WALL	HL - HALOGEN	D - PARABOLIC				
UC - UNDER CABINET	LED - LIGHT EMITTING DIODE	F - FRESNEL				
CV - COVE	HS - HIGH PRESSURE SODIUM	G - TEMPERED GLASS				
PL - POLE	MH - METAL HALIDE	H - WALL WASHER				
O - OTHER (SEE DESCRIPTION)	SMH - SUPER METAL HALIDE	P - POLYCARBONATE				
	PSMH - PULSE START METAL HALIDE	K - KSH12, 12" ACRYLIC				
	CMH - CERAMIC METAL HALIDE	K19 - KSH19, 18" ACRYLIC				
	O - OTHER (SEE DESCRIPTION)	L - LOW REFLECTIVE SPECULAR ALUM.				
	XL - EXTENDED LIFE	N - NONE				
	XLP - EXTENDED LIFE & OUTPUT	R - HIGH IMPACT DR ACRYLIC				
		O - OTHER (SEE DESCRIPTION)				
DOOR:	BALLAST (BLS)	WBF - BALLAST FACTOR				
FA - FLAT ALUMINUM	DM - DIMMING BALLAST	HL - HIGH / LOW LEVEL BALLAST				
FS - FLAT STEEL	EB - ELECTRONIC BALLAST	HP - HIGH PERFORMANCE				
RA - REGRESSED ALUMINUM	EM - EMERGENCY BATTERY BALLAST	ML - MULTILEVEL SWITCHING				
RS - REGRESSED STEEL	DALI - DIGITAL DIMMING BALLAST	MV - MULTI-VOLTAGE ELECTRONIC				
FINISH:						
PAF - PAINT AFTER FABRICATION						
CSA - FINISH SELECTION BY ARCHITECT						

CATALOG NUMBER SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND CATALOG NUMBER ONLY. THE COMPLETE DESCRIPTION AND THE SPECIFICATION SHALL BE COORDINATED WITH THE CATALOG NUMBER TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE FIRST MANUFACTURER LISTED IS THE BASIS FOR DESIGN.

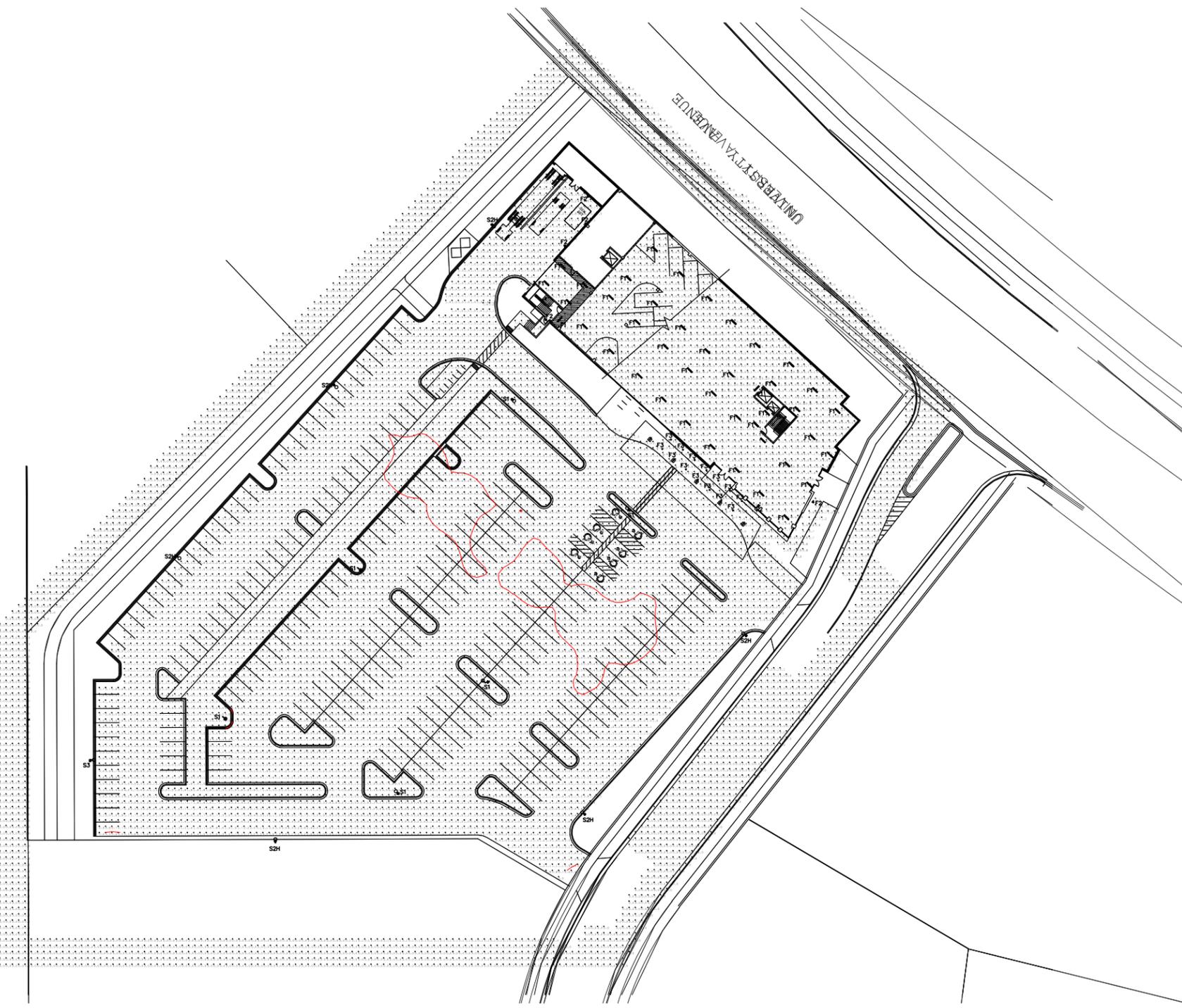
ALL LAMPS FOR THIS PROJECT SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR UNLESS OTHERWISE NOTED. FLUORESCENT LAMP CORRELATED COLOR TEMPERATURE 4100K, COLOR RENDERING INDEX (CRI) AT OR ABOVE 80, UNLESS NOTED OTHERWISE.

ITEM	DESCRIPTION	SIZE	MTO	LAMPS QUANTITY & SIZE	VOLTS / ELS	APPROVED MANUFACTURER
S1	SINGLE HEAD TYPE IV SHORT DISTRIBUTION FULL CUTOFF AREA LIGHT. PROVIDE WITH 2" POLE TO MOUNT FLUSH 24" DIAMETER CONCRETE BASE. COLOR SELECTION TO BE DETERMINED.	33" DIA 8.3" H	PL	1 250 WATT MP250WH75AVSP/PS/740	TBD	LITHONIA OMERD M92 INVAE ICON MEDIUM EMCO AVAROUND
S2	SINGLE HEAD TYPE III DISTRIBUTION FULL CUTOFF AREA LIGHT. PROVIDE WITH 2" POLE TO MOUNT FLUSH 24" DIAMETER CONCRETE BASE. COLOR SELECTION TO BE DETERMINED.	33" DIA 8.3" H	PL	1 250 WATT MP250WH75AVSP/PS/740	TBD	LITHONIA OMERD M92 INVAE ICON MEDIUM EMCO AVAROUND
S2H	SINGLE HEAD TYPE III DISTRIBUTION FULL CUTOFF AREA LIGHT. PROVIDE WITH 2" POLE TO MOUNT FLUSH 24" DIAMETER CONCRETE BASE. COLOR SELECTION TO BE DETERMINED.	33" DIA 8.3" H	PL	1 250 WATT MP250WH75AVSP/PS/740	TBD	LITHONIA OMERD M92 INVAE ICON MEDIUM EMCO AVAROUND
S3	SINGLE HEAD TYPE IV SHORT DISTRIBUTION FULL CUTOFF AREA LIGHT. PROVIDE WITH 2" POLE TO MOUNT FLUSH 24" DIAMETER CONCRETE BASE. COLOR SELECTION TO BE DETERMINED.	33" DIA 8.3" H	PL	1 250 WATT MP250WH75AVSP/PS/740	TBD	LITHONIA OMERD M92 INVAE ICON MEDIUM EMCO AVAROUND
F1	ENCLOSED INDUSTRIAL WITH FIBERGLASS HOUSING. ALL PLASTIC OR CORROSION RESISTANT LATCHES. MOLDED IN PLACE GRAB. FIBERGLASS LENS. UL WET LOCATION. FEATURES IN NITRATE ACID AND CHLORINE ROOMS TO HAVE PLASTIC LATCHES.	18.3" W 12.5" H 4.1" D	CL	2 32WATT F32T8 XLP	MV HP	LIBEEO GUTPH DCA LITHONIA DMW232 HSE WILLIAMS 50-40320-D-WHET PRESIDENTIAL P-502 METALUX VT232 COLUMBA LUNA
F2	FULL CUTOFF WALL PACK. PROVIDE WITH TWO COLD WEATHER BALLASTS FOR REDUNDANCY. COLOR SELECTION TO BE DETERMINED.	16.3" W 12.5" H 5.2" EXT	WL	2 25 WATT C7028W G240	277V	LITHONIA WST
F3	RECESSED LED DOWNLIGHT. REMOTE PHOSPHOR TECHNOLOGY. WITH 6" ROUND APERTURE. MINIMUM 60 INTERNAL LUMENS.	6.5" DIA 7.5" DIA	RE	LED 1 12.5 WATT ARRAY 3000K 90 CRI	277V	CREE LR8C-277-G04-LT6A-HC277V ELITE JUNG

LEVEL OF ACTIVITY - MEDIUM	
DESIRED ILLUMINANCE LEVELS (OPEN LOT PARKING AREA AT GRADE)	
MINIMUM INITIAL ILLUMINANCE	0.4 FC
AVERAGE INITIAL ILLUMINANCE	1.62 FC
AVERAGE TO MINIMUM (UNIFORMITY)	4.05:1
LIGHTING LOAD	0.04 WATTS PER SQUARE FOOT

DESIRED ILLUMINANCE LEVELS (COVERED PARKING AREA AT GRADE)	
MINIMUM INITIAL ILLUMINANCE	2.0 FC
AVERAGE INITIAL ILLUMINANCE	7.83 FC
AVERAGE TO MINIMUM (UNIFORMITY)	3.92:1
LIGHTING LOAD	0.11 WATTS PER SQUARE FOOT



**1 SITE LIGHTING PLAN**  
SCALE: 1"=30'-0"

**FOR REVIEW ONLY  
NOT FOR  
CONSTRUCTION**

7/27/11	GDP & SIP SUBMITTAL	
Date	Issuance/Revisions	Symbol
UNIVERSITY AVENUE/ WHITNEY WAY DEVELOPMENT		
THE LENHART COMPANY KRUPP GENERAL CONTRACTORS		
5115 UNIVERSITY AVENUE MADISON, WISCONSIN		
Drawing Title: SITE LIGHTING PLAN		
Project Number:	Drawing No.	E101
Drawn By:		



## FEATURES & SPECIFICATIONS

**INTENDED USE** — For building- and wall-mounted applications.

**CONSTRUCTION** — Rugged, die-cast, single-piece aluminum housing. Die-cast doorframe has a 1/8" thick tempered glass lens. Doorframe is fully gasketed with one-piece solid silicone.

**OPTICS** — Segmented reflectors for superior uniformity and control. Medium throw (MD) full cutoff distribution available.

**ELECTRICAL** — Ballast: Class P, multi-volt electronic, high power factor, <10%THD, with starting temperature of 0°F (-18°C).

Socket: High temperature thermoplastic with an integral lamp retention clip.

Finish: Standard finish is textured dark bronze (DDBT) corrosion-resistant polyester powder finish. Additional architectural colors are available. Striping is also available.

**INSTALLATION** — Universal mounting mechanism with integral mounting support allows fixture to hinge down. Bubble level provides correct alignment with each installation.

**LISTINGS** — UL Listed (standard). CSA Certified (see Options). Suitable for wet locations (damp location listed in lens-up orientation). WLU option offers wet location listing in up orientation (see Options). IP65 Rated. 25°C ambient. ELED: U.S. Patent No. 7,737,640.

Note: Specifications subject to change without notice.

Catalog Number
Notes
Type



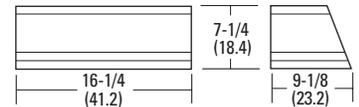
Decorative Wall-Mounted Lighting

# WST

COMPACT FLUORESCENT:  
26W DTT  
26W-42W TRT

*Specifications*

- Length: 16-1/4 (41.2)
- Depth: 9-1/8 (23.2)
- Overall Height: 7-1/4 (18.4)
- \*Weight: 30 lbs (13.6 kg)



All dimensions are inches (centimeters) unless otherwise indicated.

\*Weight as configured in example below.

**ORDERING INFORMATION** For shortest lead times, configure product using **standard options (shown in bold)**. **Example: WST 42TRT MD 120 LPI**

WST Series	Wattage	MD Distribution	Voltage	Ballast	Mounting	Options
WST	26DTT <b>2/26DTT</b> 26TRT 2/26TRT 32TRT 2/32TRT <b>42TRT</b> <b>2/42TRT</b>	<b>MD</b> Medium throw	<b>120</b> <b>277</b> <b>347</b> <b>MVOLT<sup>1</sup></b>	<b>(blank)</b> Electronic 0° F	<b>(blank)</b> Surface mount <i>Shipped separately<sup>2</sup></i> BBW Surface mount back box UT5 Uptilt 5 degrees	<i>Shipped installed in fixture</i> DC12 Emergency circuit 12-volt (35W lamp included) <sup>3</sup> 2DC12 Emergency circuit 12-volt (two 35W lamps included) <sup>3</sup> DC2012 Emergency circuit 12-volt (20W lamp included) <sup>3</sup> 2DC2012 Emergency circuit 12-volt (two 20W lamps included) <sup>3</sup> DFL Diffusing lens

Options (continued)						Finish <sup>13</sup>	Lamp <sup>15</sup>
EC	Emergency circuit <sup>4</sup>	GMF	Internal slow-blow fusing <sup>5</sup>	<i>Shipped separately<sup>13</sup></i>	<b>(blank)</b> Dark bronze, textured	<b>LPI</b> Lamp included	
ELDWC	Emergency battery pack (32° min. operating temp) <sup>5,6,7</sup>	PE	Photoelectric cell-button type <sup>12</sup>	WG Wire guard	DSST Sandstone, textured	<b>L/LP</b> Less lamp	
ELDWR	Emergency battery pack (0° min. operating temp) <sup>5,6,7,8</sup>	WLU	Wet location door for up orientation	VG Vandal guard	<b>DNAT</b> Natural aluminum, textured		
ELDWRPS	Fixture wired ready for Bodine <sup>®</sup> B30 battery pack (battery pack not included; 32° min. operating temp) <sup>5</sup>	CSA	CSA certified		<b>DWHG</b> White, textured		
ELED	Emergency LED secondary source battery pack with time delay (-4°F min. operating temperature) <sup>10,11</sup>	NOM	NOM certified		<b>DBLB</b> Black, textured		
2ELED	Emergency LED secondary source (two modules) battery pack with time delay (-4°F min. operating temperature) <sup>10,11</sup>				CR Corrosion-resistance		
					CRT Non-stick protective coating <sup>14</sup>		

**Notes**

- 1 Multi-volt electronic ballast capable of operating on any line voltage from 120-277V.
- 2 May be ordered as an accessory. Prefix with "WS". Must specify finish.
- 3 Not available with GMF, EC, ELDWs.
- 4 Maximum allowable wattage lamp included.
- 5 Not available with MVOLT; must specify voltage.
- 6 Not available with 2/32TRT or 2/42TRT
- 7 Not available with DCs or EC.

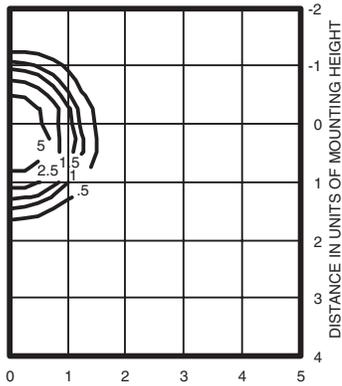
- 8 Not available with 2/26DTT or 2/26TRT.
- 9 Not available with 2/42TRT.
- 10 Not available with EC, DCs OR ELDWs.
- 11 Must specify 120V or 277V.
- 12 Must be ordered with fixture; cannot be field installed.
- 13 See [www.lithonia.com/archcolors](http://www.lithonia.com/archcolors) for additional color options.
- 14 Black finish only.
- 15 Must be specified (35K lamp with LPI).



# WST Fluorescent Wall Mounted

## WST 2/42TRT MD TEST NO: LTL11108

ISOILLUMINANCE PLOT (Footcandle)



2/42TRT lamp, horizontal lamp orientation  
 Footcandle values based on 12' mounting height, 3200 rated lumens (per lamp).  
 Luminaire Efficiency: 49.6%

Lamp	Initial lumens	Mounting height			
		10'	12'	14'	16'
<b>Compact Fluorescent</b>					
42W TRT	3,200	0.72	0.50	0.37	0.28
(2) 42W TRT	6,400	1.44	1.0	0.73	0.53

Emergency Option Lamp Compatability												
Lamp options	DC12	2DC12	DC2012	2DC2012	EC	ELED	2ELED	ELDWC	ELDWR	ELDWRPS		
26DTT (1 lamp)	■	■	■	■	■	■	■	■	■	■	■	■
2/26DTT	■	■	■	■	■	■	■	■	■	■	■	■
26TRT (1 lamp)	■	■	■	■	■	■	■	■	■	■	■	■
2/26TRT	■	■	■	■	■	■	■	■	■	■	■	■
32TRT (1 lamp)	■	■	■	■	■	■	■	■	■	■	■	■
2/32TRT	■	■	■	■	■	■	■	■	■	■	■	■
42TRT (1 lamp)	■	■	■	■	■	■	■	■	■	■	■	■
2/42TRT	■	■	■	■	■	■	■	■	■	■	■	■

# LR6™

# 6" Recessed Downlight

## Product Information

### Cree TrueWhite® Technology

- A better way to generate white light that utilizes a patented mixture of unsaturated yellow and saturated red LEDs.
- Tuned to optimal color point before shipment.
- Color management system maintains color consistency over time and temperature.
- Designed to last 50,000 hours and maintain at least 70% of initial lumen output.

### Construction

- Durable die-cast aluminum upper housing, lower housing, and upper cover.
- Integrated thermal management system conducts heat away from LEDs and transfers it to the surrounding environment. LED junction temperatures stay below specified maximums even when installed in attic insulation with temperatures exceeding 60 degrees Celsius.

### Optical System

- Proprietary optical system utilizes a unique combination of reflective and refractive optical components to achieve a uniform, comfortable appearance. Pixelation and direct view of unshielded LEDs are eliminated.
- White Lower Reflector balances brightness of refractor with the ceiling to create comfortable high-angle appearance. Works with refractor to deliver an optimized distribution that illuminates walls and vertical surfaces increasing the perception of spaciousness.

### Electrical System

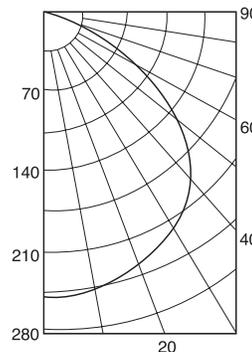
- Integral, high efficiency driver and power supply.
- Power factor > 0.9
- Input voltage = 120V, 60Hz.
- Dimmable to 20% with certain incandescent dimmers (reference [www.CreeLEDLighting.com](http://www.CreeLEDLighting.com) for recommended dimmers).

### Regulatory and Voluntary Qualifications

- cULus Listed®. Suitable for damp locations.
- Utilize GU-24 base for new construction projects in California or other areas where high efficacy line voltage sockets are required.
- Exceeds California Title-24 high efficacy luminaire requirements.
- ENERGY STAR® qualified Solid-State Lighting Luminaire.

## Photometry

LR6  
Lighting Sciences Inc. Certified Test #22226



### Intensity (Candlepower) Summary

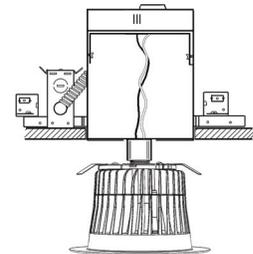
ANGLE	MEAN CP
0°	249
5°	248
15°	242
25°	228
35°	203
45°	165
55°	115
65°	62
75°	24
85°	6
90°	0

### Zonal Lumen Summary

ZONE	LUMENS	%LAMP	%FIX
0° - 30°	197	30.39	30.39
0° - 40°	325	49.94	49.94
0° - 60°	556	85.35	85.35
0° - 90°	650	100.00	100.00

## Installation

- Designed to easily install in standard 6" downlight housings from Cree and other manufacturers.\*
- Quick install system utilizes a unique retention feature. Simply attach socket to LR6. Move light to ready position and slide into housing.



\* Reference [www.CreeLEDLighting.com](http://www.CreeLEDLighting.com) for a list of compatible housings.

## Application Comparison

### Room

	6' x 6' Spacing		5' x 5' Spacing		4' x 4' Spacing	
	Workplane Illuminance	Wall Illuminance	Workplane Illuminance	Wall Illuminance	Workplane Illuminance	Wall Illuminance
LR6	15.1	8.0	19.9	10.7	27.2	15.4
65W BR30 White Baffle	14.0	6.3	18.7	8.6	26.1	12.6
18W CFL White Baffle	15.5	7.9	20.8	10.6	28.7	15.4
50W PAR30 White Baffle	16.7	4.1	22.9	5.7	34.1	8.6

#### Notes:

Average initial illuminance in footcandles, reflectances = 80/50/30, workplane height = 2.5', ceiling height = 9', Nine lights per room. Room sizes = 18'x18', 15'x15', 12'x12'

### Hallway

	6' Spacing		8' Spacing		10' Spacing	
	Workplane Illuminance	Wall Illuminance	Workplane Illuminance	Wall Illuminance	Workplane Illuminance	Wall Illuminance
LR6	12.6	6.8	9.6	5.2	7.6	4.0
65W BR30 White Baffle	12.0	5.3	9.1	4.0	7.2	3.2
18W CFL White Baffle	13.0	6.6	10.1	5.1	7.9	4.0
50W PAR30 White Baffle	14.6	3.1	11.2	2.6	9.1	1.8

#### Notes:

Average initial illuminance in footcandles, reflectances = 80/50/30, workplane height = 2.5', ceiling height = 9', Six lights per hall, width = 6'

# 6" Recessed Downlight

# LR6™

F3

## Product Description

The LR6 is a downlight module for new construction and retrofit that installs easily in most standard six inch recessed IC or non-IC housings. The LR6 downlight generates white light with LEDs in a new way that enables an unprecedented combination of light output, high efficacy, beautiful color, and affordability. U.S. Patent # 7,213,940 issued. Numerous patents pending.

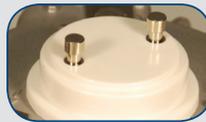
## Performance Summary

- Utilizes Cree TrueWhite® Technology
- Delivered Light Output = 650 lumens
- Input Power = 10.5 Watts
- CRI = 90
- CCT = 2700K or 3500K
- Dimmable to 20%
- Five Year Warranty

## Ordering Information

- LR6 - 120V, Incandescent Color (2700K), Edison Base
- LR6-GU24 - 120V, Incandescent Color (2700K), GU24 Base
- LR6C - 120V, Neutral Color (3500K), Edison Base
- LR6C-GU24 - 120V, Neutral Color (3500K), GU24 Base

LR6-GU24



LR6



LR6C

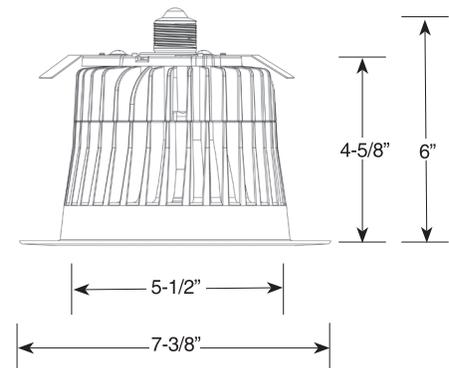
## Accessories - Reference accessory product information sheets for more detail

### Accessory Trims

- LT6A - Diffuse anodized finish
- LT6AW - Wheat diffuse anodized finish
- LT6AP - Pewter diffuse anodized finish
- LT6AB - Black anodized finish
- LT6WH - Smooth white
- LT6AG - Graphite diffuse anodized finish
- LT6BB - Black ABS thermoplastic full trim

### Housings

- H6 - Architectural
- RC6 - New construction
- RR6 - Retrofit
- SC6 - Surface mount
- SC6-CM - Cord mount
- SC6-WM - Wall mount



## FEATURES & SPECIFICATIONS

**INTENDED USE** — Streets, walkways, parking lots and surrounding areas.

**CONSTRUCTION** — Rugged, die-cast, single piece aluminum housing with nominal wall thickness of 1/8". Die-cast doorframe has impact-resistant, tempered, glass lens (3/16" thick). Doorframe is fully gasketed with one-piece tubular silicone.

Finish: Standard finish is dark bronze (DDB) corrosion-resistant polyester powder finish, with other architectural colors available.

**OPTICS** — MIRO finish, segmented reflectors for superior uniformity and control. Reflectors attach with tool-less fastener and are rotatable and interchangeable. Five full cutoff distributions available: Type II (roadway), Type III (asymmetric), Type IV (forward throw), Type IV (forward throw sharp cutoff) and Type V (symmetric square).

**ELECTRICAL** — Ballast: Constant wattage autotransformer. Metal Halide: Super CWA (pulse start ballast), 88% efficient and EISA legislation compliant, is required for 175-400W (SCWA option) for US shipments only. CSA, NOM or INTL required for probe start shipments outside of the US. Pulse-start ballast (SCWA) required for 200W, 320W, or 350W. Ballast is 100% factory-tested. All ballasts are mounted on a removable power tray.

Socket: Porcelain, mogul-based socket with copper alloy, nickel-plated screw shell and center contact.

**LISTINGS** — Listed and labeled to UL standards for wet locations. Listed and labeled to CSA standards (see Options). NOM Certified (see Options). IP65 Rated. U.S. Patent No. D556,357.

Note: Specifications subject to change without notice.



Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction

Catalog Number
Notes
Type



Architectural Area & Roadway Lighting



# MR2

METAL HALIDE: 175W - 400W  
HIGH PRESSURE SODIUM: 200W - 400W

### Specifications

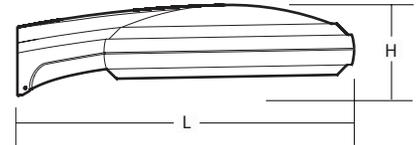
Length: 32-7/8 (83.5)

Diameter: 25 (63.5)

Overall Height: 8-1/4 (21.0)

\*Weight: 46 lb. (20.9 kg)

EPA: 0.91 ft² (0.08²)



All dimensions are inches (centimeters) unless otherwise indicated.

\*Weight as configured in example below.

### ORDERING INFORMATION

For shortest lead times, configure product using standard options (shown in bold.)

Example: MR2 400M SR3 TB SCWA LPI

MR2	Series	Wattage	Distribution	Voltage	Ballast	Mounting	Options	Finish <sup>17</sup>	Lamp <sup>18</sup>
	<b>MR2</b>	Metal halide	SR2	120	(blank) Magnetic	<b>SPA</b> Square pole mounting	Shipped installed in fixture	(blank) Dark bronze	<b>LPI</b> Lamp included
		175M <sup>1</sup>		208 <sup>6</sup>	CWI Constant wattage isolated	<b>RPA</b> Round pole mounting	SF Single fuse (120, 277, 347V) <sup>12,13</sup>	DBL Black	<b>L/LP</b> Less lamp
		200M <sup>2</sup>	<b>SR3</b>	240 <sup>6</sup>	<b>Pulse Start</b>	<b>WBA</b> Wall bracket (up or down) <sup>9</sup>	DF Double fuse (208, 240, 480V) <sup>12,13</sup>	DGC Charcoal gray	
		<b>250M<sup>3</sup></b>		277	<b>SCWA</b> Super CWA pulse start ballast	Shipped separately <sup>10,11</sup>	PER NEMA twist-lock receptacle only (no photocontrol)	DMB Medium bronze	
		320M <sup>2</sup>	<b>SR4SC</b>	347	Note: For shipments to U.S. territories, SCWA must be specified to comply with EISA.	DCMR2 Decorative curved arm, (square pole only)	QRS Quartz restrike system <sup>13,14</sup>	DWH White	
		350M <sup>1,2,4</sup>		480 <sup>6</sup>		DCMR2R Decorative curved arm, (round pole only)	HS Houseside shield (SR2, SR3, SR4W) <sup>10,15</sup>	<b>DNA</b> Natural aluminum	
		<b>400M<sup>3,4</sup></b>		<b>TB<sup>7</sup></b>			EC Emergency circuit <sup>14</sup>	CR Enhanced corrosion-resistance	
		High pressure sodium <sup>2</sup>		23050HZ <sup>8</sup>			CSA Listed and labeled to Canadian safety standards		
		200S	<b>SR4W</b>				NOM NOM certified <sup>8</sup>		
		250S					INTL Available for MH probe start shipping outside the U.S.		
		400S	<b>SR5S</b>				REGC1 California Title 20 effective 1/1/2010 Shipped separately <sup>10</sup>		
							PE1 NEMA twist-lock PE (120, 208, 240V)		
							PE3 NEMA twist-lock PE (347V)		
							PE4 NEMA twist-lock PE (480V)		
							PE7 NEMA twist-lock PE (277V)		
							SC Shorting cap for PER option		
							VG Vandal guard <sup>16</sup>		

Accessories: Tenon Mounting Slipfitter						
Order as separate catalog number. Must be used with pole mounting (RPA).						
Tenon O.D.	One	Two@180°	Two@90°	Three@120°	Three@90°	Four@90°
2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490
2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

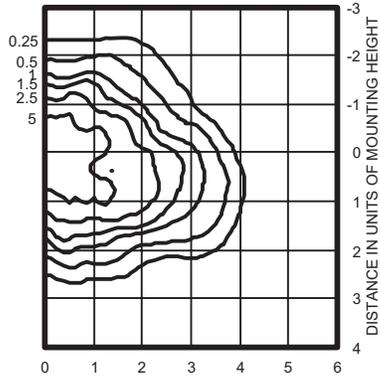
### Notes

- These wattages do not comply with California Title 20 regulations.
- Must order SCWA.
- These wattages require the REGC1 option to be chosen for shipments into California for Title 20 compliance. 250M REGC1 is not available in 347 or 480V.
- Must use reduced jacket lamp ED28.
- Not available with SCWA.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120, 208, 240, 277V; 120, 277, 347V in Canada).
- Consult factory for available wattages.
- Mounted in lens-up orientation, fixture is damp location rated.
- May be ordered as an accessory.
- Must specify finish when ordered as accessory.
- Must specify voltage. Not available with TB.
- SF, DF or QRS options cannot be ordered together.
- Maximum allowable wattage lamp included.
- Order MR2SR2/3HS U or MR2SR4WS U as an accessory.
- Order MR2VG U as an accessory.
- See www.lithonia.com/archcolors for additional color options.
- Must be specified.

# MR2 Metal Halide, High Pressure Sodium

**MR2 400M SR3** Test No. LTL10099P

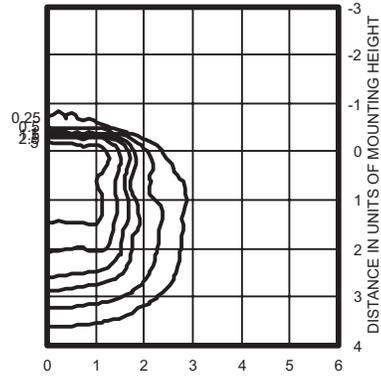
**ISOILLUMINANCE PLOT (Footcandle)**



400W pulse start metal halide lamp, rated 38,000 lumens. Footcandle values based on 20' mounting height.  
Classification: Type III, Medium, Full Cutoff

**MR2 400M SR4SC** Test No. LTL10100P

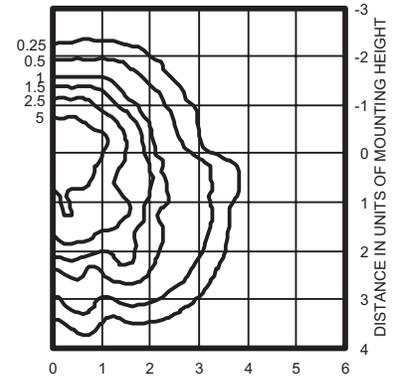
**ISOILLUMINANCE PLOT (Footcandle)**



400W pulse start metal halide lamp, rated 38,000 lumens. Footcandle values based on 20' mounting height.  
Classification: Unclassified (Type IV, Very Short), Full Cutoff

**MR2 400M SR4W** Test No. LTL10101P

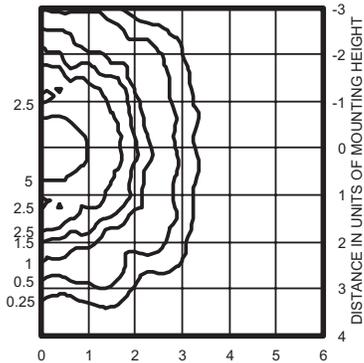
**ISOILLUMINANCE PLOT (Footcandle)**



400W pulse start metal halide lamp, rated 38,000 lumens. Footcandle values based on 20' mounting height.  
Classification: Type IV, Short, Full Cutoff

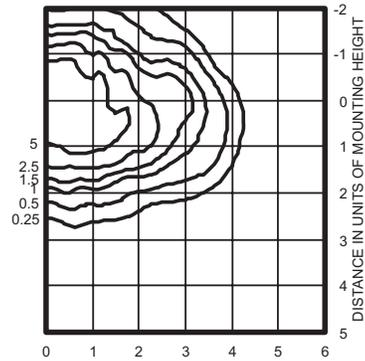
**MR2 400M SR5S** Test No. LTL10102P

**ISOILLUMINANCE PLOT (Footcandle)**



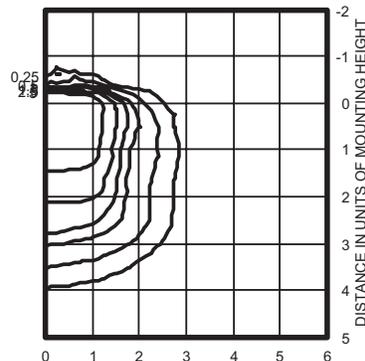
400W pulse start metal halide lamp, rated 38,000 lumens. Footcandle values based on 20' mounting height.  
Classification: Unclassified (Type IV, Very Short), Full Cutoff

**MR2 400S SR3** TEST NO: LTL10104



400W lamp, rated 50000 lumens. Footcandle values based on 20' mounting height.  
Classification: Type II, Medium, Full Cutoff

**MR2 400S SR4SC** TEST NO: LTL10105



400W lamp, rated 50000 lumens. Footcandle values based on 20' mounting height.  
Classification: Unclassified (Type IV, Very Short), Full Cutoff

**Notes**

- 1 Photometric data for other distributions can be accessed from the Lithonia Lighting web site ([www.lithonia.com](http://www.lithonia.com)).
- 2 For electrical characteristics consult outdoor technical data specification sheets on [www.lithonia.com](http://www.lithonia.com).
- 3 Tested to current IESNA and NEMA standards under stabilized laboratory conditions. Various operating factors can cause differences between laboratory and actual field measurements. Dimensions and specifications are based on the most current data and are subject to change.

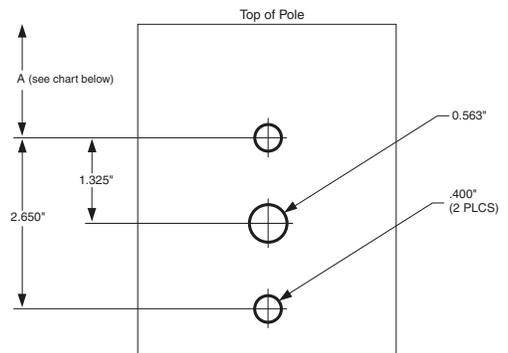
When ordering poles, specify the appropriate drilling pattern. See below example.

Example: **SSA 20 4C DM19AS**  
**DM19AS** 1 at 90 degrees  
**DM28AS** 2 at 180 degrees  
**DM29AS** 2 at 90 degrees  
**DM39AS** 3 at 90 degrees  
**DM49AS** 4 at 90 degrees  
**DM32AS** 3 at 120 degrees (round poles only)

**DRILLING TEMPLATE # 8**



Pole-Mounted Luminaire (not for suspend)



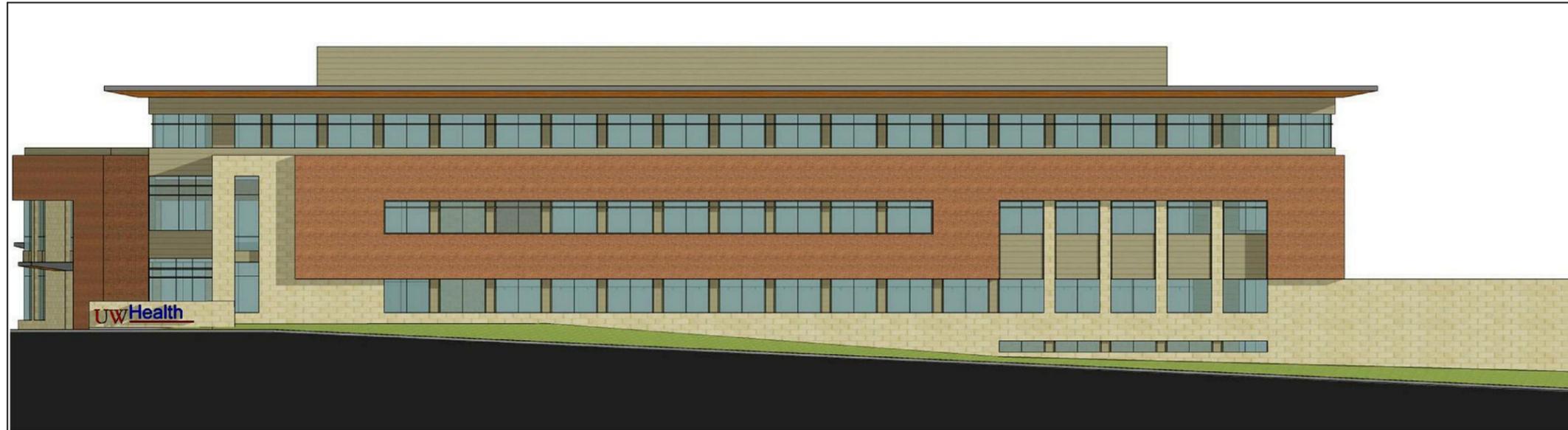
"A" recommended dimension  
 Aluminum Poles Only 1.750"  
 All Other Pole Types 2.750"

Note: Dimension varies by pole type to allow clearance for pole cap. Check pole cap depth if field drilling poles.

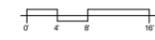
NOTE: This drawing is NOT to scale and should be used for dimensional purposes only.



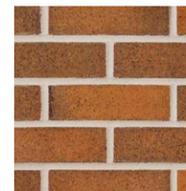
MR2-M-S



1 NORTH ELEVATION  
A\_201 1/8" = 1'-0"



2 SOUTH ELEVATION  
A\_201 1/8" = 1'-0"



WARM BRICK



RENAISSANCE STONE



CHAMPAGNE METAL



WOOD SOFFIT

Potter Lawson

**KRUPP**  
GENERAL CONTRACTORS, LLC

Consultants:

Notes:

Date	Issuance/Revisions	Symbol
9/28/11	UDC Final Approval Submittal	Symbol
7/27/11	UDC Initial Approval Submittal	Symbol

UW Health  
Digestive Health Center  
The Lenhart Company & Krupp General Contractors

Enter address here

Drawing Title:

BUILDING ELEVATIONS

Project Number:

2011.06.00

Drawn By:

Author

Drawing No.:

A\_201

© 2011 Potter Lawson Architects

Potter Lawson

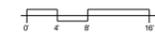
**KRUPP**  
GENERAL CONTRACTORS, LLC

Consultants:

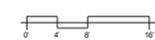
Notes:



1 EAST ELEVATION  
A\_202 1/8" = 1'-0"



2 WEST ELEVATION  
A\_202 1/8" = 1'-0"



WARM BRICK



RENAISSANCE STONE



CHAMPAGNE METAL



WOOD SOFFIT

Date	Issuance/Revisions	Symbol
9/28/11	UDC Final Approval Submittal	Symbol
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UW Health  
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BUILDING ELEVATIONS

Project Number: 2011.06.00  
Drawing No: A\_202