

## City of Madison

## **Proposed Rezoning**

Location

117 North Charter Street

Applicant

UW Board of Regents/Gary Brown - University of Wisconsin

From: PUD-GDP-SIP To: Amended Existing Use PUD-SIP

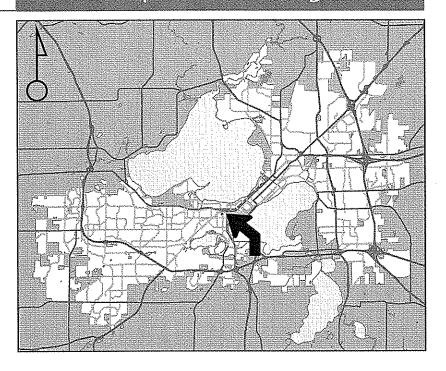
Surface Parking Lot

Proposed Use

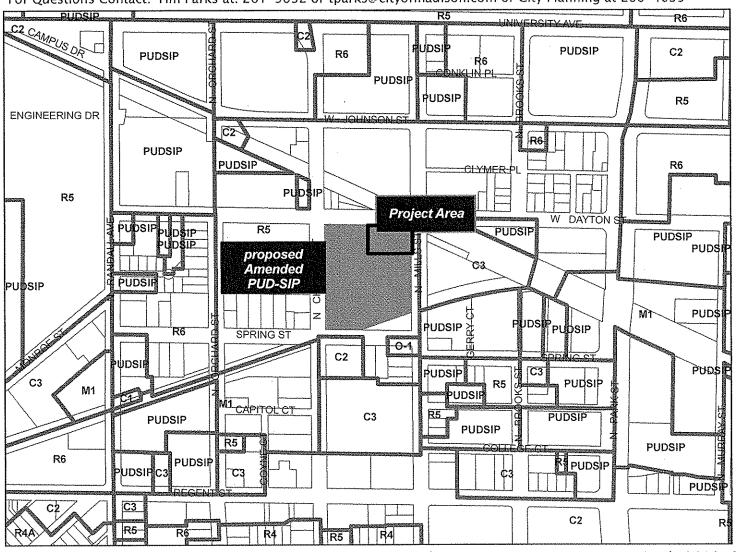
Phase 1 SIP to Allow Construction of Gas-Fired Boiler Building at Charter Street Heating Plant

Public Hearing Date Plan Commission 26 July 2010

Common Council 03 August 2010



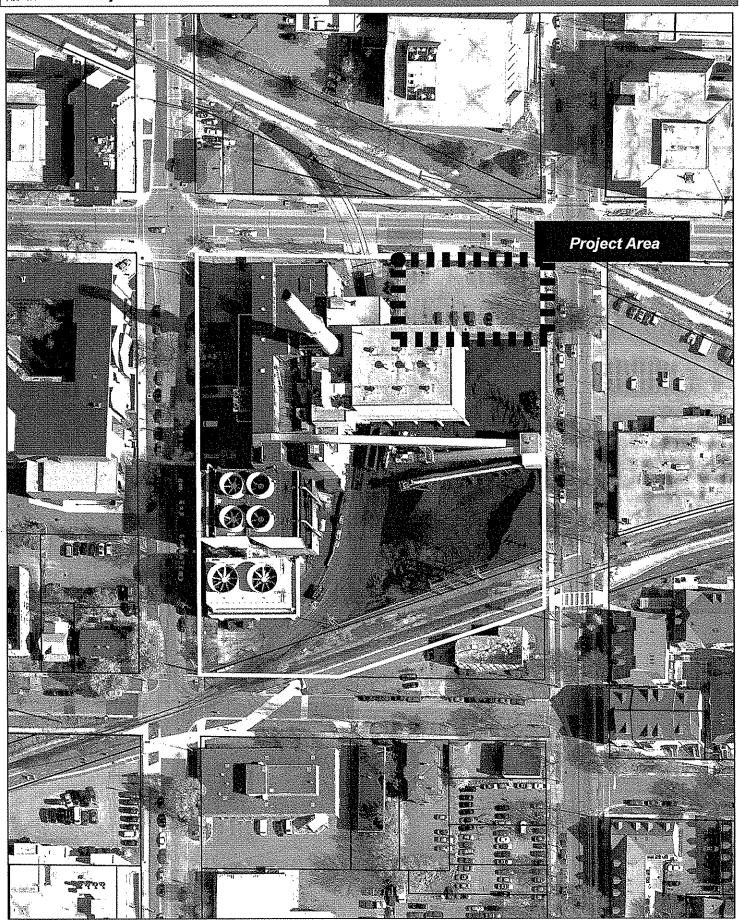
For Questions Contact: Tim Parks at: 261-9632 or tparks@cityofmadison.com or City Planning at 266-4635



Scale: 1" = 400'

City of Madison, Planning Division: RPJ: Date: 12 July 2010 🗸

## 117 North Charter Street



Date of Aerial Photography : April 2007



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- W

LAND USE APPLICATION	FOR OFFICE USE ONLY:
Madison Plan Commission	Amt. Paid Receipt No.
, m	Date Received 5/25//0
215 Martin Luther King Jr. Blvd; Room LL-100	Received By
PO Box 2985; Madison, Wisconsin 53701-2985	Parcel No. 0709 221 090 6
Phone: 608.266.4635   Facsimile: 608.267.873	Aldermanic District & Bryon Fagan
<ul> <li>The following information is required for all applications for</li> </ul>	or Plan
Commission review except subdivisions or land divisions,	which
should be filed with the <u>Subdivision Application</u> .	Zoning District R.5
<ul> <li>Before filing your application, please review the information</li> </ul>	mation For Complete Submittal
regarding the LOBBYING ORDINANCE on the first pa	ge. Application Letter of
<ul> <li>Please read all pages of the application completely and fi</li> </ul>	Il in all Intent
required fields.	IDUP NA Legal Descript.
<ul> <li>This application form may also be completed only</li> </ul>	ine at Plan Sets Zoning Text
www.cityofmadison.com/planning/plan.html	Alder Notification Waiver
All Land Use Applications should be filed directly with the state of the state	th the
Zoning Administrator.	Ngbrhd. Assn Not. Waiver
	Date Sign Issued 5/25//0
1. Project Address: 117 N Charter Street	Project Area in Acres: 0.42 acres
O1 1 O1 11 11 Th 11 Th	
Project Title (if any): Charter Street Heating Plant F	Re-Build Project - Dayton Street Boiler Building
2. This is an application for:	·
Zoning Map Amendment (check the appropriate box(es) in	only one of the columns below)
Rezoning to a Non-PUD or PCD Zoning Dist.:	Rezoning to or Amendment of a PUD or PCD District:
Rezoning to a Non-PUD or PCD Zoning Dist.:  R5, PUD/GDP	DE DUDICOD
Existing Zoning: R5, PUD/GDP to	Ex. Zoning: R5, PUD/GDP to PUD/PCD-GDP
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Existing Zoning: R5, PUD/GDP to	Ex. Zoning: R5, PUD/GDP to PUD/PCD-GDP  Ex. Zoning: R5, PUD/GDP to PUD/PCD-SIP
Existing Zoning: R5, PUD/GDP to Proposed Zoning (ex: R1, R2T, C3): PUD/GDP/SIP	Ex. Zoning: R5, PUD/GDP to PUD/PCD-GDP  Ex. Zoning: R5, PUD/GDP to PUD/PCD-SIP  Amended Gen. Dev. Amended Spec. Imp. Plan
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5.	Required Submittals:
	Plans submitted as follows below and depicts all lot lines; existing, altered, demolished or proposed buildings; parking areas and driveways; sidewalks; location of any new signs; existing and proposed utility locations; building elevations and floor plans; landscaping, and a development schedule describing pertinent project details:
	• 7 copies of a full-sized plan set drawn to a scale of one inch equals 20 feet (collated and folded)
	• 7 copies of the plan set reduced to fit onto 11 inch by 17 inch paper (collated, stapled and folded)
	• 1 copy of the plan set reduced to fit onto 8 ½ inch by 11 inch paper
	<b>Letter of Intent</b> (12 copies): describing this application in detail including, but not limited to: existing conditions and uses of the property; development schedule for the project; names of persons involved (contractor, architect, landscaper, business manager, etc.); types of businesses; number of employees; hours of operation; square footage or acreage of the site; number of dwelling units; sale or rental price range for dwelling units; gross square footage of building(s); number of parking stalls, etc.
	<b>Legal Description of Property:</b> Lot(s) of record or metes and bounds description prepared by a land surveyor. For any application for rezoning, the description must be submitted as an electronic word document via CD or e-mail. For applications proposing rezoning to more than one district, a separate description of each district shall be submitted.
	Filing Fee: \$ DNA See the fee schedule on the application cover page. Make checks payable to: City Treasurer.
	<b>Electronic Submittal:</b> All applicants are required to submit copies of all items submitted in hard copy with their application (including this application form, the letter of intent, complete plan sets and elevations, etc.) as Adobe Acrobat PDF files on a non-returnable CD to be included with their application materials, or in an e-mail sent to <a href="mailto:pcapplications@cityofmadison.com">pcapplications@cityofmadison.com</a> . The e-mail shall include the name of the project and applicant. Applicants unable to provide the materials electronically should contact the Planning Division at (608) 266-4635 for assistance.
In	Addition, The Following Items May Also Be Required With Your Application:
	For any applications proposing demolition or removal of existing buildings, the following items are required:
	<ul> <li>Prior to the filing of an application, the applicant or his/her agent is required to notify a list of interested persons registered with the City 30 or 60 days prior to filing their application using the online notification tool found at: <a href="https://www.cityofmadison.com/developmentCenter/demolitionNotification/">https://www.cityofmadison.com/developmentCenter/demolitionNotification/</a></li> <li>A photo array (6-12 photos) of the interior and exterior of the building(s) to be demolished or removed. A written assessment of the condition of the building(s) to be demolished or removed is highly recommended.</li> </ul>
	<ul> <li>Note: A Reuse and Recycling Plan approved by the City's Recycling Coordinator is required prior to issuance of wrecking permits and the start of construction.</li> </ul>
	Zoning Text (12 copies): must accompany Planned Community or Planned Unit Development (PCD/PUD) submittals.
6.	Applicant Declarations:
	Conformance with adopted City plans: Applications shall be in accordance with all adopted City of Madison plans:  → The site is located within the limits of Regent St S.Campus Plan & UW Campus Plan Plan, which recommends:
	university/campus service facilities for this property.
	<b>Pre-application Notification:</b> Section 28.12 of the Zoning Code requires that the applicant notify the district alder and any nearby neighborhood & business associations in writing no later than <b>30</b> days prior to filing this request:
	→ List below the Alderperson, Neighborhood Association(s), Business Association(s) AND dates you sent the notices:  Alder Bryon Eagon, Feb. 2, 2010; various Joint West and Joint SE Campus Area Committee meetings since 2009
	NOTE: If the alder has granted a waiver to this requirement, please attach any such correspondence to this form.
	<b>Pre-application Meeting with staff:</b> <u>Prior</u> to preparation of this application, the applicant is required to discuss the proposed development and review process with Zoning and Planning Division staff; note staff persons and date.
	Planning Staff: Tim Parks Date: Various Zoning Staff: Matt Tucker Date: Various
	Check here if this project will be receiving a public subsidy. If so, indicate type in your Letter of Intent.
T	he signer attests that this form is accurately completed and all required materials are submitted:
Si	Ignature Gary M. Brown, FASLA Date May 25, 2010  Relation to Property Owner owner's representative
	uthorizing Signature of Property Owner Sam John Date May 25, 2010

From: BROWN, Gary [mailto:GBROWN@fpm.wisc.edu]

Sent: Wednesday, June 02, 2010 11:11 AM

To: Parks, Timothy

**Cc:** HARROD, John; Robert Mangas; Schwartz, Paul J **Subject:** Charter St SIP #1 - 117 N Charter Street

Hi, Tim... this is to confirm our discussion yesterday that for the Charter Street Heating Plant, SIP #1, Package Boiler project at 117 N. Charter Street, this phase of the overall project does not include any work related to a proposed substation north of West Dayton Street. The proposed substation will be part of a future phase of the project. Please ignore any indication on the drawings that this is part of the SIP #1 project. We will provide updated drawings with our final review submittal.

Thanks.

Gary

#### Gary A. Brown, FASLA

ASLA Vice President, Professional Practice

Director, Campus Planning & Landscape Architecture Facilities Planning & Management University of Wisconsin - Madison 610 Walnut Street 9th Floor Madison, WI 53726-2397 E-MAIL: <a href="mailto:gbrown@fpm.wisc.edu">gbrown@fpm.wisc.edu</a>

TEL: 608-263-3023 CELL: 608-334-2417 FAX: 608-265-3139



May 25, 2010

Mr. Bradley J. Murphy
Department of Planning & Development
Madison Municipal Building
215 Martin Luther King Jr. Blvd.
Madison, WI 53701-2985

Re:

117 N. Charter Street

PUD/GDP/SIP Application Materials - Rezoning Request

Charter Street Heating Plant Re-Build Project, SIP #1 (Dayton Street Package Boiler Building)

University of Wisconsin - Madison

Dear Mr. Murphy,

Enclosed please find a completed application and enclosures pertaining to the University of Wisconsin-Madison's proposal to construct the Charter Street Heating Plant Re-Build project (SIP #1, Dayton Street Package Boiler Building) to be located at 117 N. Charter Street. A Planned Unit Development (PUD/GDP/SIP) approval for this project is being requested from the Plan Commission at their meeting on July 26, 2010. This is the first in a series of SIP documents associated with this large and complex project. We will be working closely with City of Madison Planning & Development and other city staff as we move forward with the project.

The scope of this phase of the Charter Street Heating Plant (CSHP) Project is to build an approximate 46,500 GSF facility to house natural gas fired boilers #6 & 7 on an existing surface parking lot at the southwest corner of the West Dayton Street and North Mills Street intersection.

The project has been noticed to the local alderpersons through both the Joint Southeast and Joint West Campus Area Committee meetings on a regular basis. We will continue to meet with both committees to share our developing plans.

Thank you for your assistance in processing this request to the Plan Commission. Please do not hesitate to contact me at 263-3023 with any questions you may have regarding this request.

Sincerely

Gary A. Brown, FASLA

Director, Campus Planning & Landscape Architecture

XC: Jay Erfurth, Alan Fish, John Harrod, Robert Mangas



#### Letter of Intent

#### **REZONING REQUEST**

## Planned Unit Development (PUD-GDP/SIP) for the

#### Charter Street Heating Plant Re-Build – (SIP #1)

Application Submittal Date: May 26, 2010 for July 26, 2010 Plan Commission Meeting

This application provides for the construction of the first in a series of buildings for the Charter Street Heating Plant Re-Build project, 117 N. Charter Street, allowing construction to begin in the fall of 2010. This first SIP is for construction of the approximate 46,500 gross square foot "Dayton Street Package Boiler Building", located at the southwest corner of the intersection of West Dayton Street and North Mills Street.

#### **Application Materials bound herein:**

Cover Letter Letter of Intent Legal Description Zoning Text

#### **Bound Under separate cover:**

SIP #1 Architectural Drawing set dated May 24, 2010
SIP #1 Civil Engineering Drawing set for Project dated May 24, 2010
SIP #1 Landscape Drawing set for Project dated May 24, 2010
Exterior lighting plans & lighting schedule
Lighting Cut Sheets and Boiler Cut Sheets

#### State of Wisconsin, Division of State Facilities (DSF) Project Information:

**Project Number:** 

09A2L

**Project Title:** 

For the:

Charter Street Heating Plant Re-Build University of Wisconsin-Madison

Madison, Wisconsin

Type of Project:

Major Project / New Construction

**Project Participants:** 

**Project Executive** 

Alan Fish

Committee:

Assoc. Vice Chancellor Facilities Planning and Management

608-262-3488 afish@fpm.wisc.edu

**DSF Project** 

Jay Ehrfurth

Manager:

Co-Project Manager for State of Wisconsin

608-263-5886

Jay.ehrfurth@wisconsin.gov

**Facilities Planning & Management** 

University of

John Harrod

Wisconsin

Co-Project Manager for State of Wisconsin

**Project Manager:** 

608-263-3077

jharrod@fpm.wisc.edu

Architect/Engineer:

P3M (Owner's Engineer and Architect)

(includes the following Architectural and Engineering Firms)

Lead Engineering Firm Brvan Eskra, P.E. Managing Principal

Power Engineers Collaborative, L.L.C. 150 Sunny Slope Road, Suite 110 Brookfield, Wisconsin 53005

262 786 1700

bjeskra@pecllc.com

**Architectural Design** Eric Lawson, AIA, NCARB

Potter Lawson, Inc. 15 Ellis Potter Court

Madison, Wisconsin 53711

608-274-2741

ericl@potterlawson.com

**Boilers and Fuel Handling** 

Carl J. Micke Vice President Povry (Appleton) LLC 2323 East Capitol Drive Appleton, Wisconsin 54912

920 954 2441

carl.micke@povrv.com

Civil Engineering Rick Daspit, AIA Middough, Inc. Oak Brook Pointe

700 Commercial Drive, Suite 200

Oak Brook, Illinois 60523

630 756 7086

daspitrw@middough.com

Landscape Architecture: Ken Saiki Design, Inc.

303 So. Patterson

Suite One

Madison, Wisconsin 53703

608-274-2741 ksaiki@ksd-la.com

Surveyor:

EIS

**Traffic Study Traffic Study**  **Ayres Associates Benjamin Peotter** 1802 Pankratz St

Madison, WI 53704 (608) 442-1200

peotterb@AyresAssociates.com

Engineering and Procurement Contractor (EPC): To be selected in August 2010

Proposed Construction schedule

Removal of the parking lot and construction of the proposed package boiler building will begin in September 2010 and be completed in October 2011.

Description of existing & proposed conditions

The current site is an existing university surface parking lot (UW Lot #45) that provides for 27 vehicle permit parking spaces and 2 motorcycle parking spaces. The lost parking capacity will be replaced with a new surface parking lot west of North Mills Street (accommodating approximately 32 cars) as part of the overall Charter Street Heating Plant Project (not part of this SIP #1, likely as part of SIP #3). No new parking will be included as part of this SIP submittal.

The proposed package boiler building will be approximately 46,500 gross square feet in size and be approximately 64 feet tall from the finished grade elevation outside the building.

The building will be constructed of an insulated composite metal panel system, brick faced architectural precast panels, and an adhered EPDM roof. A 16-foot high aluminum framed glazed curtain wall system will be constructed along the base to allow pedestrians to see in and experience the machinery of the building as they walk along West Dayton Street. The major mechanical components of the boiler building will be brightly colored to help provide visual interest for pedestrians.

Underground utility connections between the new boiler building and utility lines in both West Dayton Street and North Mills Street will also be included in this project. Restoration of the public right-of-way will be included as necessary.

Flues for Package Boiler 6,7, and a flue for the emergency generator will be contained inside a single carbon steel stack enclosure; about 13 feet in diameter, non-tapered, and its approximate height is 180 feet tall measured from the ground. The stack will be self supporting, built of bolted sections, and have a high-performance coating of a color to be selected. There will be a platform on the stack about 20' above the roof of the Dayton Street Building with sampling ports for sampling air quality. No other exhaust stacks are included in this SIP.

The general operating hours of the facility will be 24 hours, 7 days a week with 14 personnel on site during the day and 4 over the nights shifts to cover general maintenance and building operations. The plant will operate continuously year round, providing steam and chilled water for the University of Wisconsin-Madison, as well as peak demand electricity which will back feed into the Madison Gas & Electric (MG&E) electrical grid. The building will not be open to the general public or to university faculty, staff and students unless as part of an organized tour of the facilities.

All facility maintenance activities, including snow removal, trash removal, mowing, etc. will be performed by university facilities personnel on a regular basis.

The overall site of this SIP submittal is approximately 18,300 square feet, or 0.42 acres.

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### Charter Street Heating Plant 117 N Mills Street SIP #1 – Dayton Street Package Boiler Plant

#### Overall Project Site General Description

The existing Charter Street Heating Plant consists of structures built during the time period from 1957 to present on the land bounded by Charter Street on the west, Dayton Street on the north, Mills Street on the east, and the WISDOT rail corridor on the south. This parcel is currently zoned R5 and the plant operates as a conditional use as a coal fired power plant. For the Charter Street Heating Plant Re-Build, this parcel will be referred to as the Heating Plant Site. Its postal address is 117 N Charter Street.

The Project will add to the lands of the Charter Street Heating Plant the triangular parcel due east of the existing Charter Street Heating Plant. This parcel is bounded by Mills Street on the west, and the WISDOT owned lands on the north and south, currently leased to railroad operator WSOR. This parcel is currently zoned C3 and is owned by the University and used as Parking Lot 45 and the UW Physical Plant Building. This parcel will be referred to as the Fuel Handling Site. Its postal address will remain 115 N Mills Street.

#### Project Site Legal Description

117 N. Charter St.

All of Lots One (1), Two (2), Three (3), Four (4), Five (5), Six (6), Seven (7), Eight (8), Nine (9), Ten (10), Eighteen (18), Nineteen (19) and Twenty (20), and that part of Lots Eleven (11), Twelve (12), Thirteen (13), Fourteen (14), Fifteen (15), Sixteen (16) and Seventeen (17) lying Northerly of the railroad right-of-way, all in Block Ten (10), Brooks Addition in the City of Madison, Dane County, Wisconsin

#### SIP-01 Boundary

The Specific Implementation Plan Boundary for SIP 01 includes the rectangular land area in the northeast corner of the Heating Plant site at 117 N. Charter St., bounded by the southern and western exterior walls of the proposed Dayton Street Building, extended to the curb lines along Dayton and Mills Street. Surface design features in the public right-of-way area beyond the property line are included to represent treatments provided under the SIP as they relate to the Inter-governmental Agreement between the City of Madison and the University of Wisconsin – Madison.

Within this bounded land area, the West Transfer Tower and the Boiler Feed Galleries located above the roof of the Dayton Street Building are excluded from SIP-01 and will be submitted in a future SIP for this Project.

Charter Street Heating Plant Re-Build University of Wisconsin – Madison

P3M May 25, 2010

#### **ZONING TEXT**

## Charter Street Heating Plant Re-Build Project Dayton Street Package Boiler Plant 117 N Charter Street

**Statement of Purpose** 

This document rezoning land parcel from R5 to a PUD/GDP/SIP is established to encompass the new operations proposed for the Charter Street Heating Plant Rebuild Project.

**Permitted Uses** 

The permitted use of this PUD/GDP/SIP shall include the following:

- a) Public utility and services uses, including but not limited to the generation of steam heat, chilled water and electricity
- b) Electric substations
- c) Storage, handling and warehousing of solid fuel
- d) Railroad operations facilities
- e) Accessory uses related thereto, including temporary building for storage of building materials and equipment for construction purposes

Lot Area, Bulk and Yard Requirements

Lot area, building heights, floor area ratio; front, side, and rear yards; and open space shall be as shown on the approved specific implementation plans.

Off-Street Parking and Loading

Off-street parking for plant personnel and off-street loading to maintain required plant operations will be provided as shown on the approved specific implementation plans.

Landscaping

Landscaping will be designed in accordance with City of Madison ordinance for public ROW lands, and as shown on the approved specific implementation plans.

**Exterior Lighting** 

Exterior lighting will be designed in accordance with City of Madison ordinance for public ROW lands, as shown on the approved specific implementation plans.

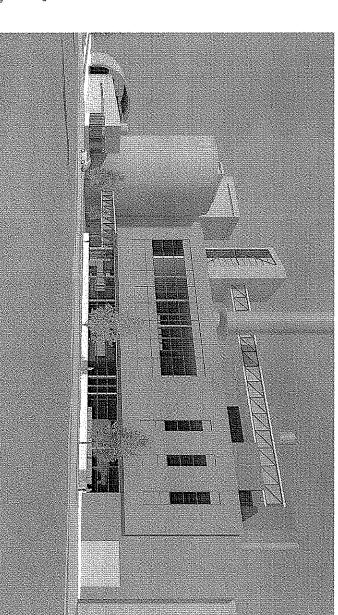
**Exterior Signage** 

Exterior signage will be designed in accordance with City of Madison ordinance for public ROW lands, as shown on the approved specific implementation plans.

Alterations and Revisions

No alteration or revision of this GDP and subsequent SIP shall be permitted unless approved by the City Plan Commission. However, the Zoning Administrator may approve minor alterations which are approved by the Director of Planning and Development and the district Alderperson and are compatible with the concept stated in the underlying GDP/SIP approved by the Plan Commission.

# TOTAL PARTY CHIBIT ANTICIPATE 1551



117 NORTH CHARTER STREET **DAYTON STREET BUILDING** MADISON, WI

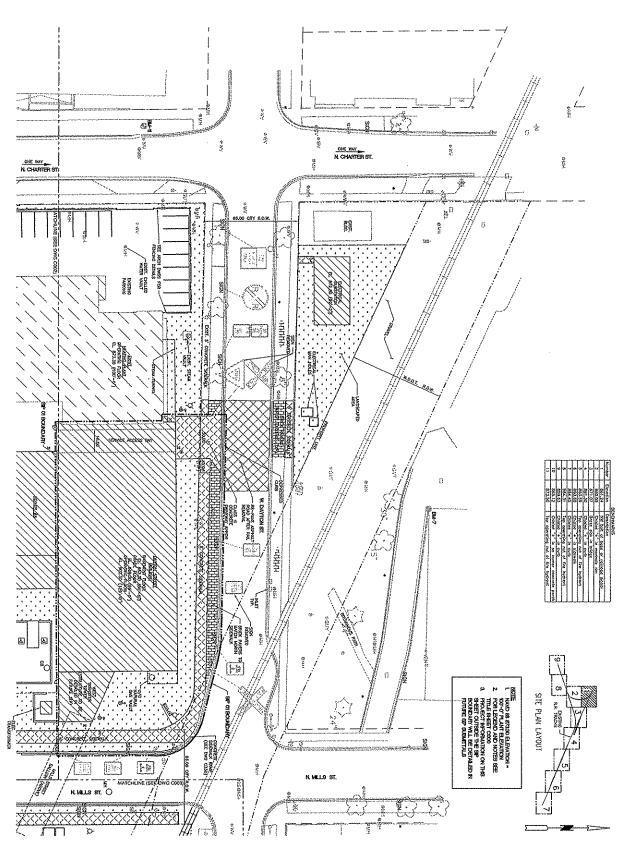
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UNIVERSITY OF WISCONSIN DAYTON STREET BUILDING SIP-01

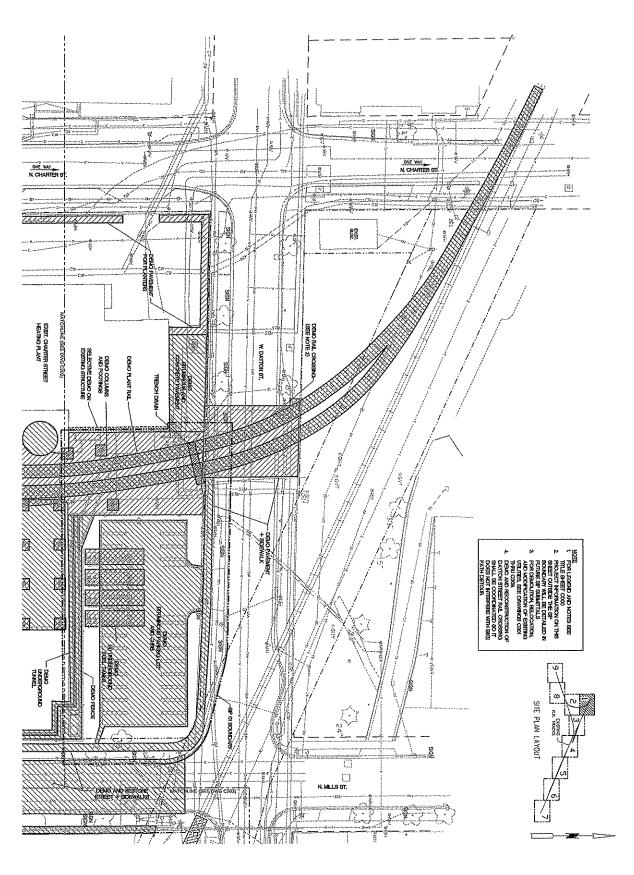
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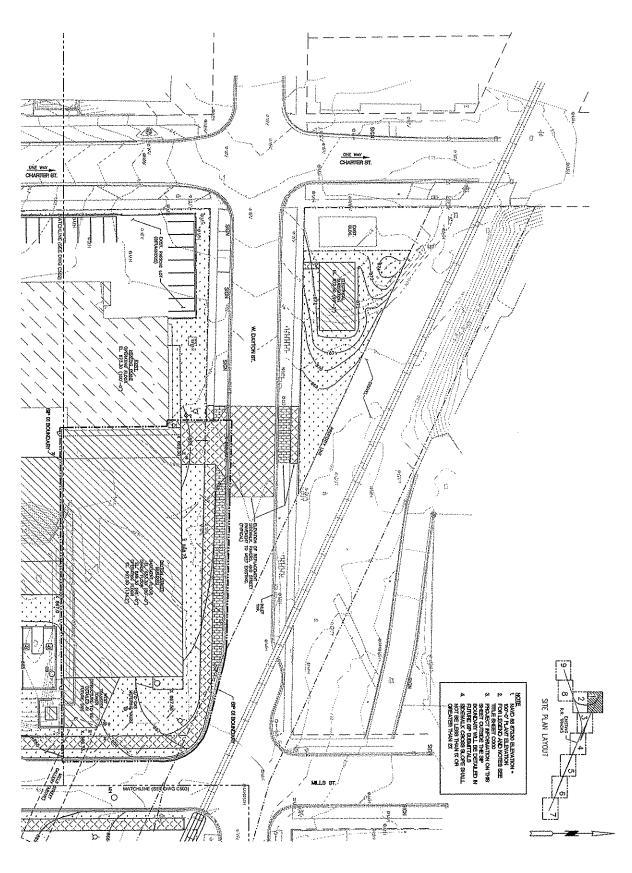
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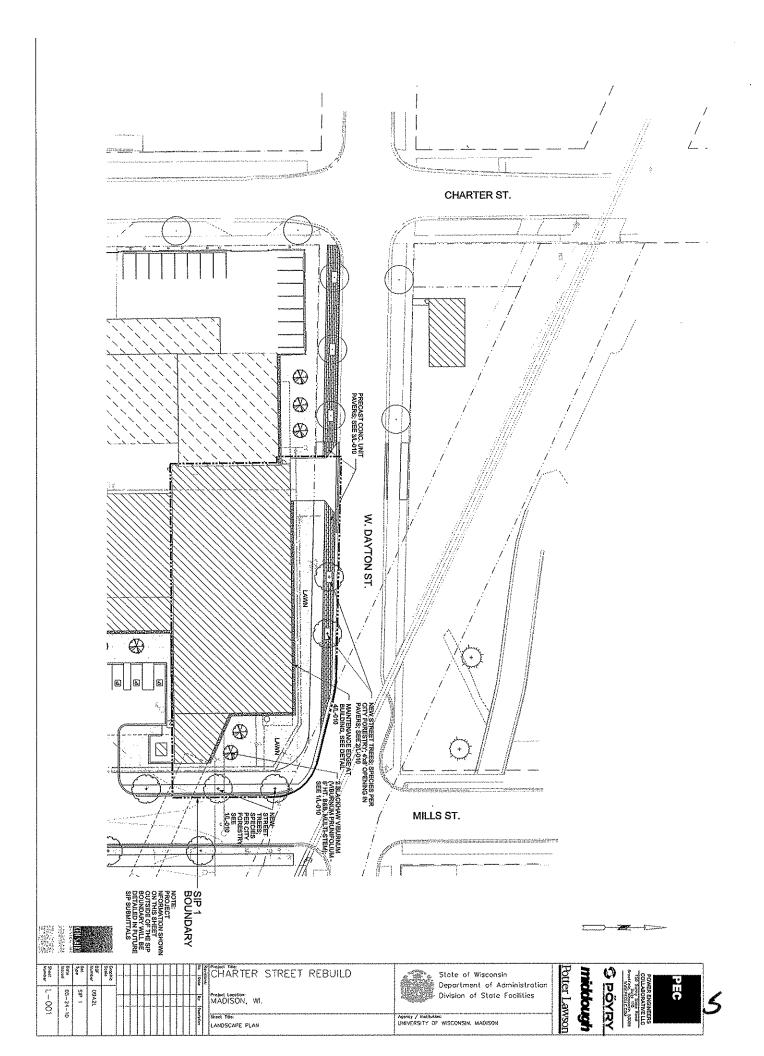
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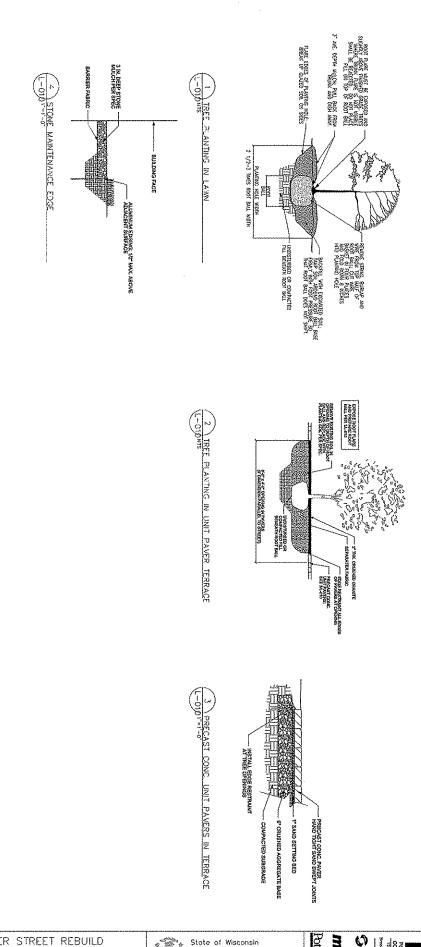


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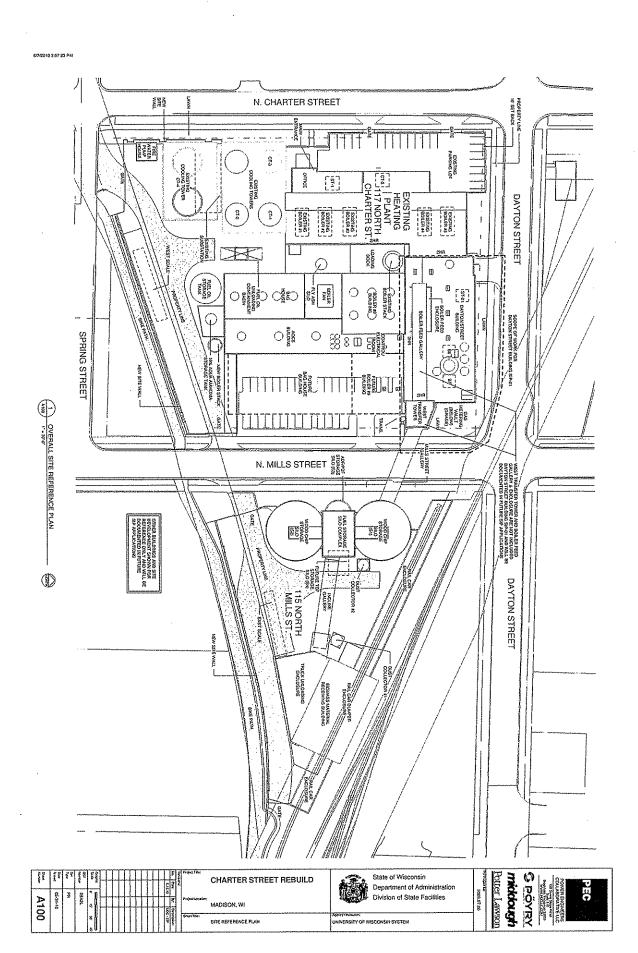


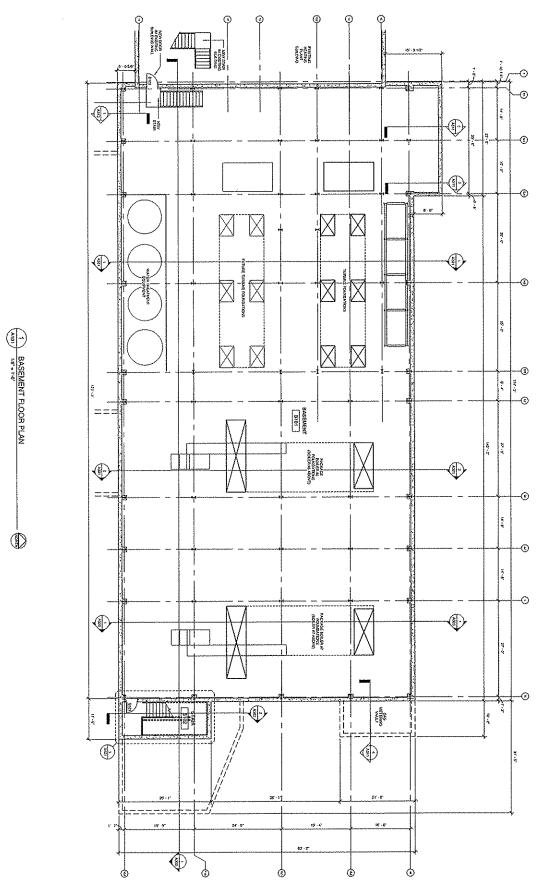
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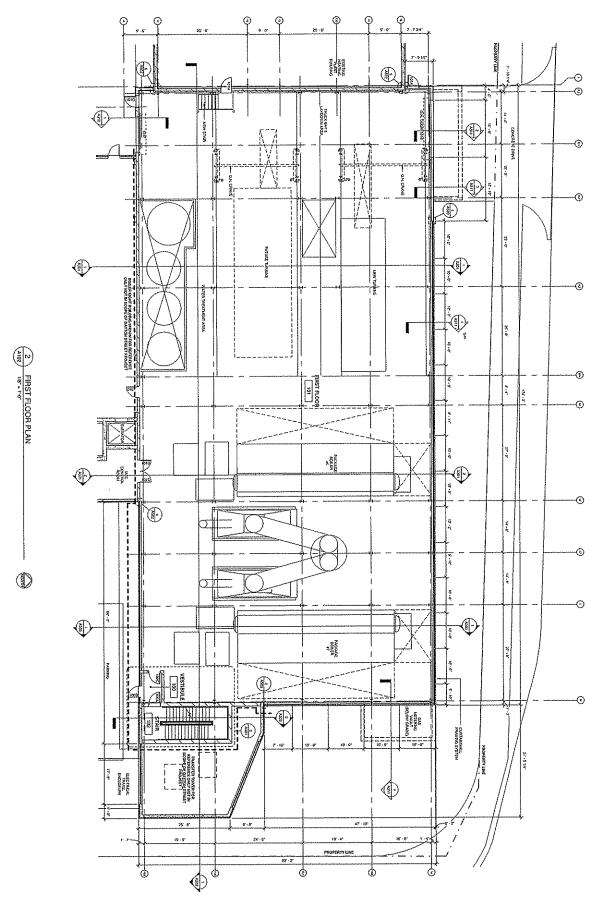




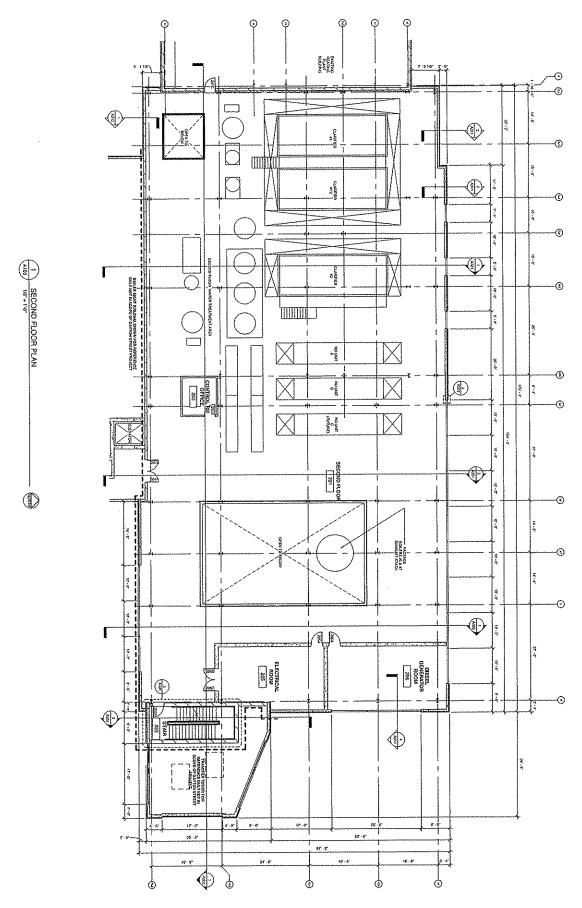


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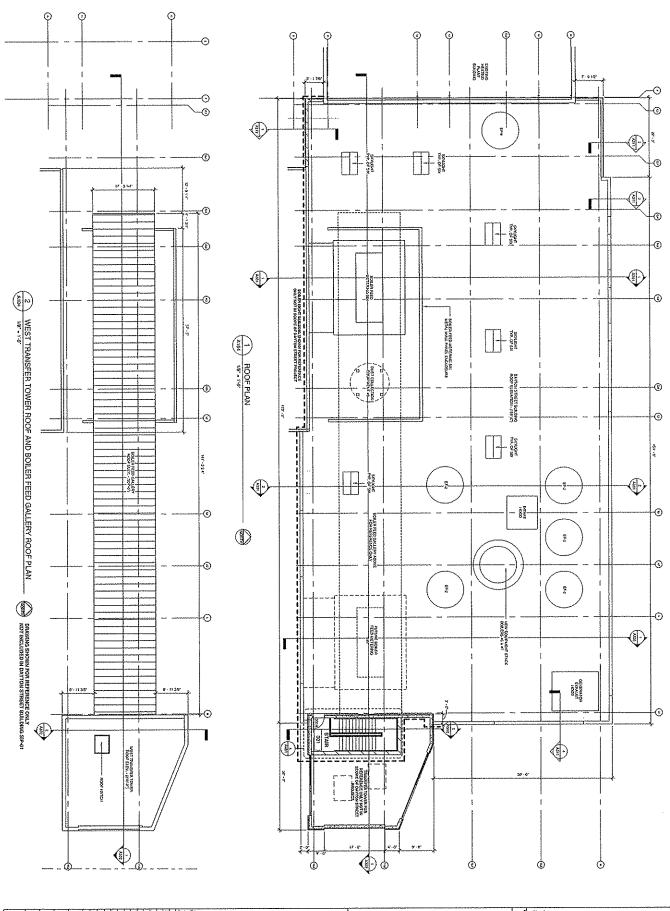


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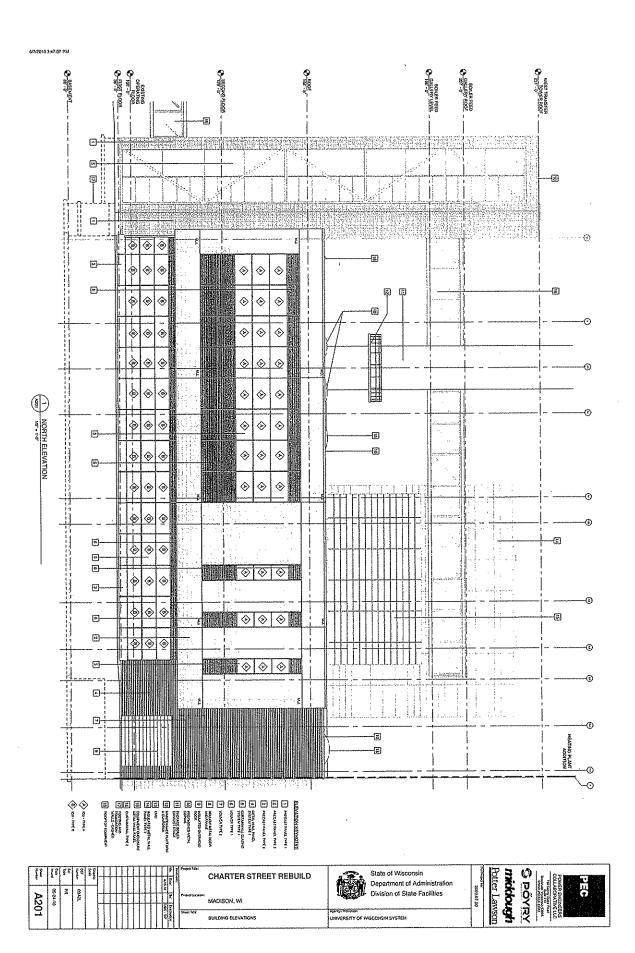


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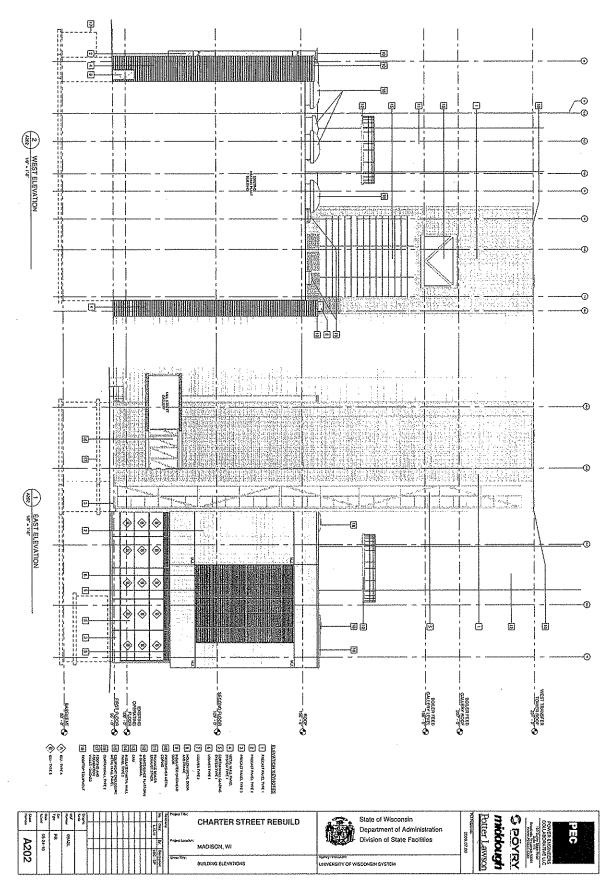
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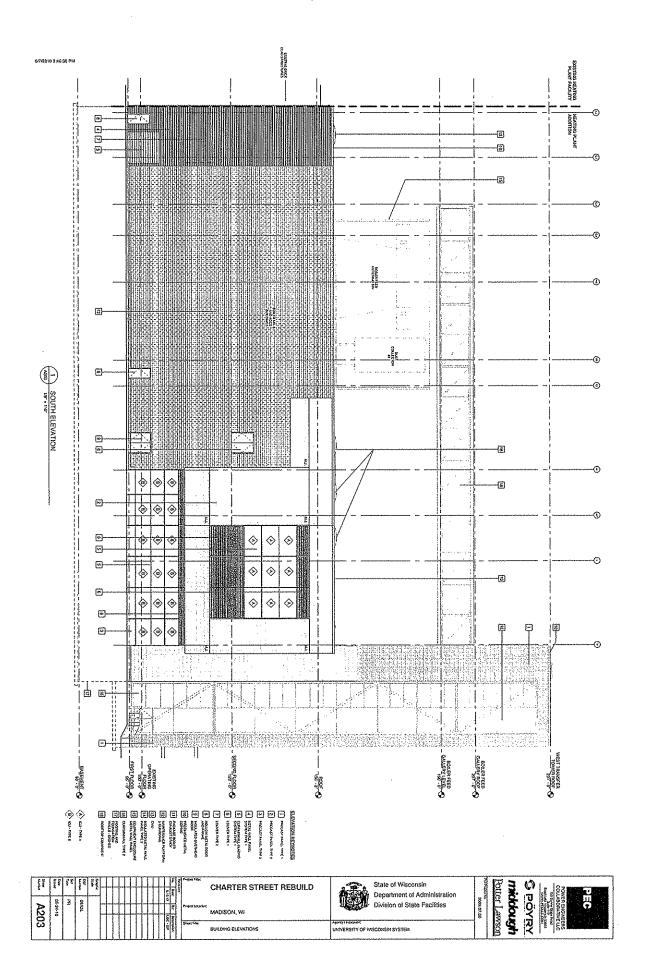


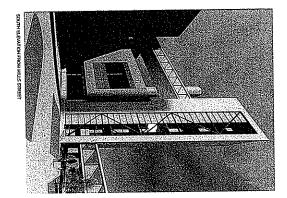
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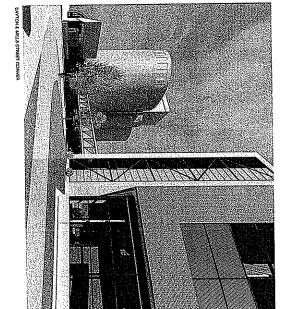


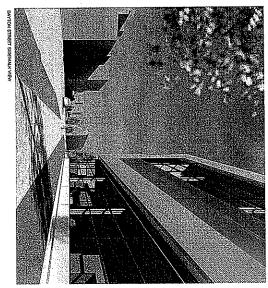
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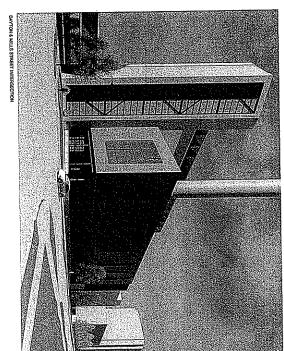


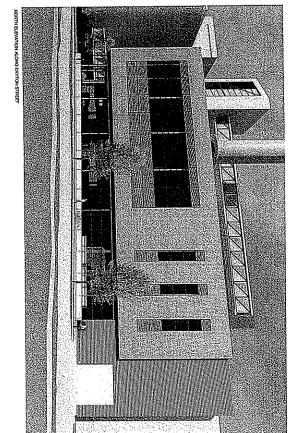




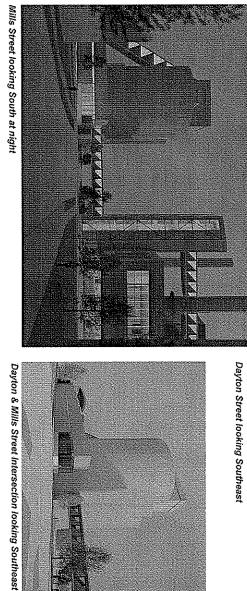




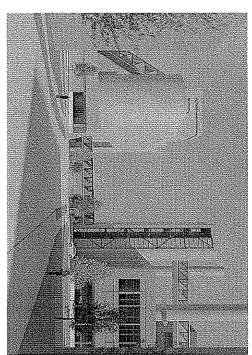


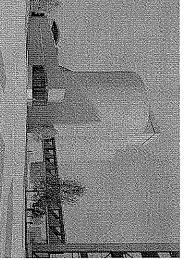


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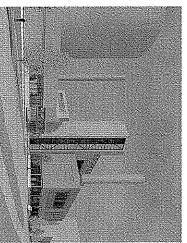
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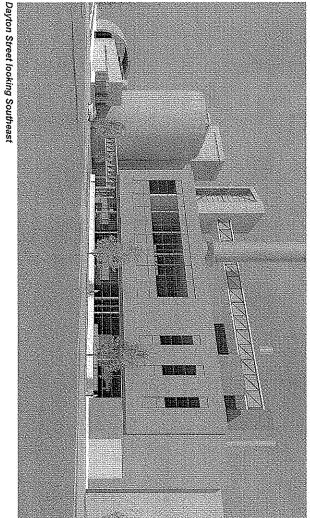




Dayton Street looking West

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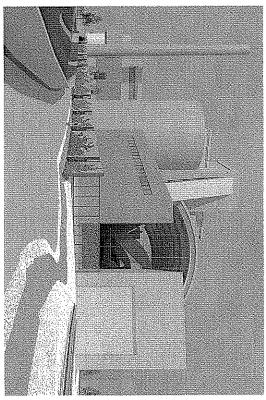


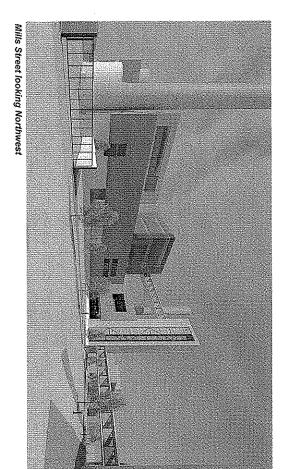
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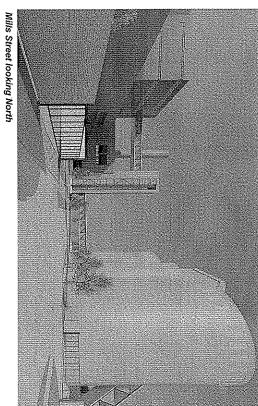
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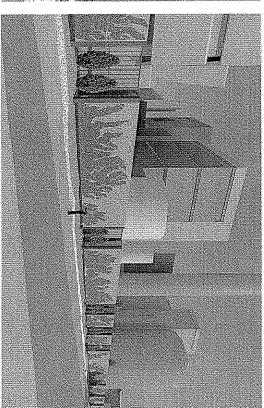




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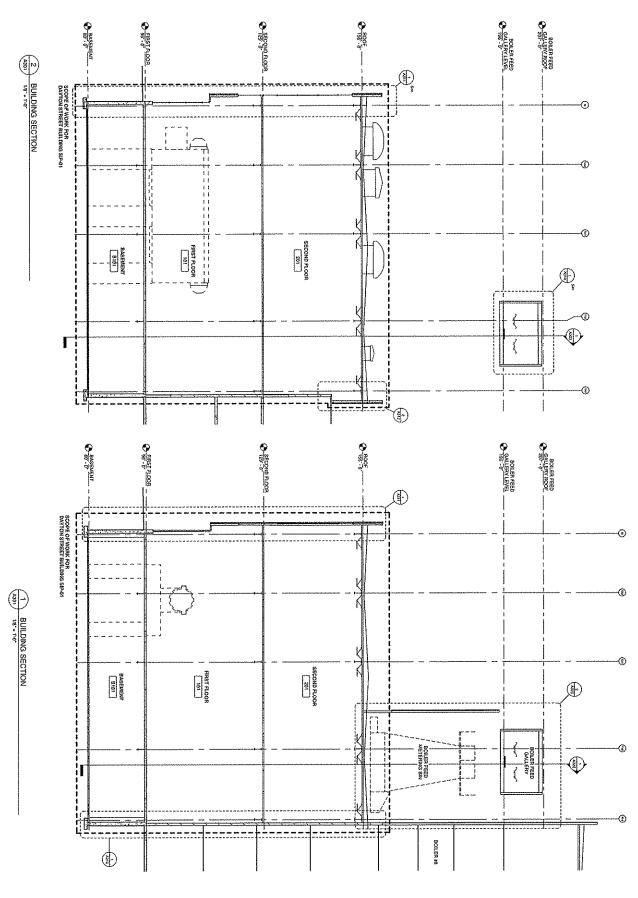
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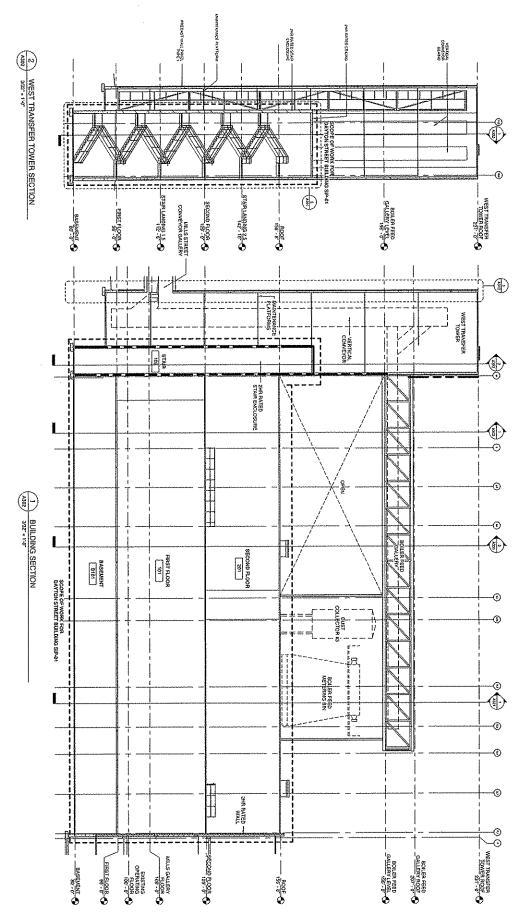
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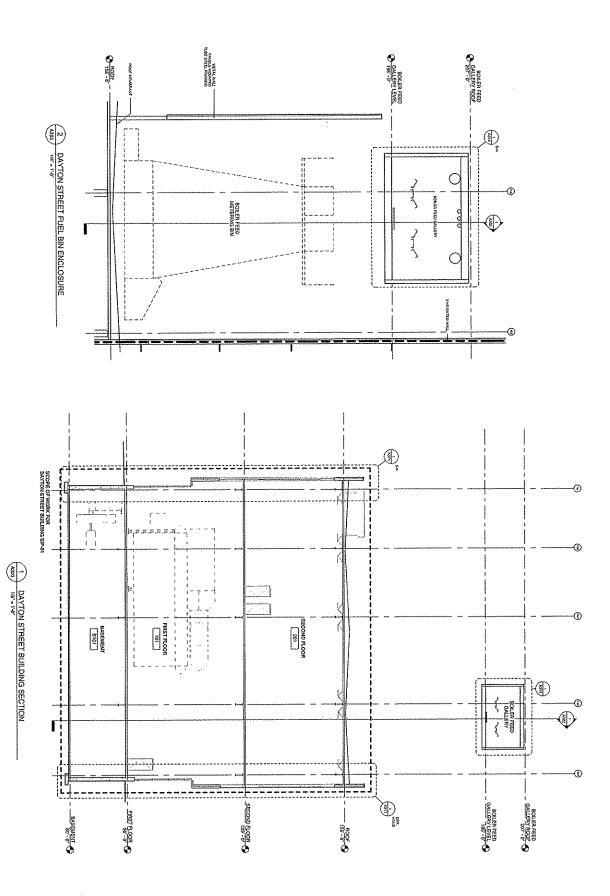
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