



# City of Madison

## Conditional Use

Location  
610 Highland Avenue

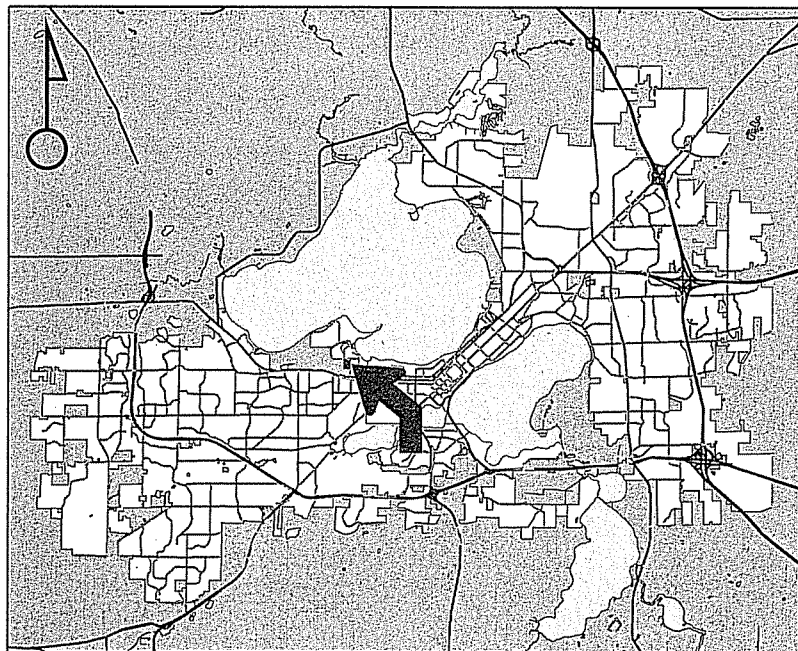
Project Name  
UW Hospital Ramp Expansion

Applicant  
Board of Regents of the UW System/  
Gary A. Brown - UW Madison

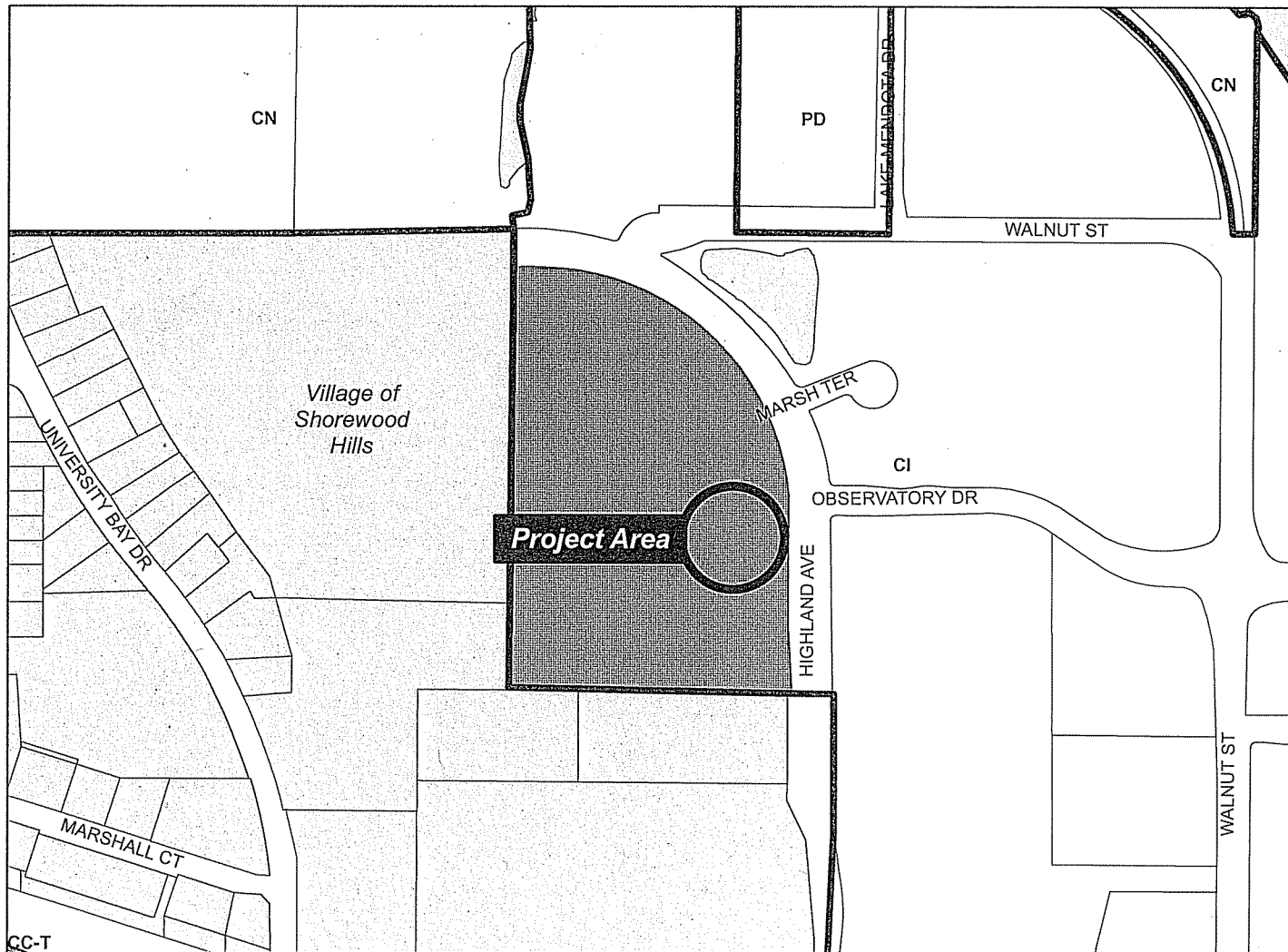
Existing Use  
UW Hospital Parking Ramp

Proposed Use  
Construct addition to existing parking structure at University Hospital

Public Hearing Date  
Plan Commission  
04 November 2013

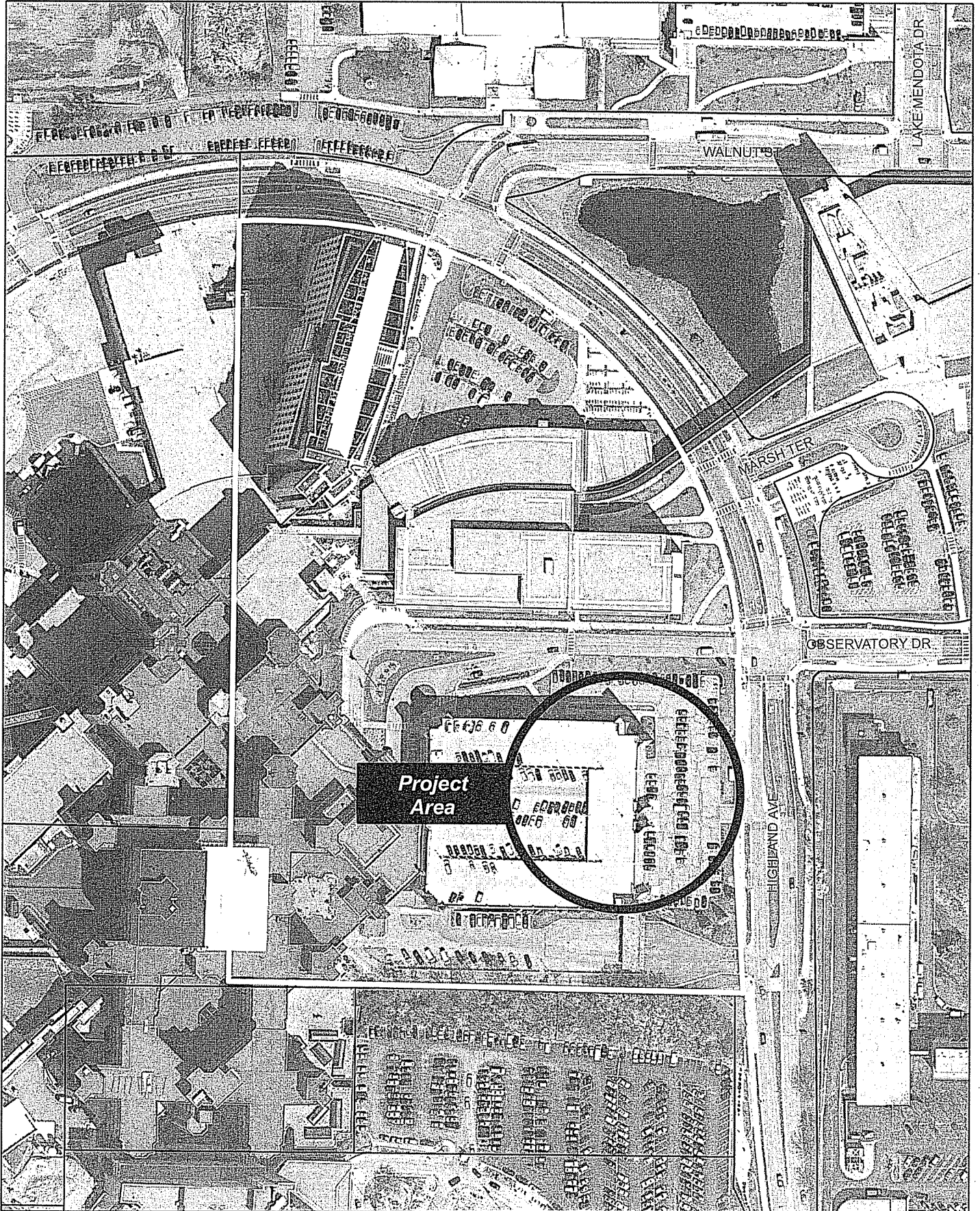


For Questions Contact: Tim Parks at: 261-9632 or [tparks@cityofmadison.com](mailto:tparks@cityofmadison.com) or City Planning at 266-4635



Scale : 1" = 400'

City of Madison, Planning Division : RPJ : Date : 28 October 2013





# LAND USE APPLICATION

CITY OF MADISON

215 Martin Luther King Jr. Blvd; Room LL-100  
PO Box 2985; Madison, Wisconsin 53701-2985  
Phone: 608.266.4635 | Facsimile: 608.267.8739

- All Land Use Applications should be filed with the Zoning Administrator at the above address.
- The following information is required for all applications for Plan Commission review except subdivisions or land divisions, which should be filed using the Subdivision Application.
- This form may also be completed online at:  
[www.cityofmadison.com/developmentcenter/landdevelopment](http://www.cityofmadison.com/developmentcenter/landdevelopment)

<i>uw</i> <b>FOR OFFICE USE ONLY:</b>	
Amt. Paid _____	Receipt No. _____
Date Received <u>9/16/13</u>	
Received By <u>JK</u>	
Parcel No. <u>0709-164-0101-4</u>	
Aldermanic District <u>5-Shiva Bidar-Sielaff</u>	
Zoning District <u>C1</u>	
Special Requirements <u>CU</u>	
Review Required By:	
<input type="checkbox"/> Urban Design Commission	<input checked="" type="checkbox"/> Plan Commission
<input type="checkbox"/> Common Council	<input type="checkbox"/> Other: _____

Form Effective: February 21, 2013

1. **Project Address:** 610 Highland Avenue  
**Project Title (if any):** UW Hospital Ramp Expansion

2. This is an application for (Check all that apply to your Land Use Application):

- Zoning Map Amendment from \_\_\_\_\_ to \_\_\_\_\_
- Major Amendment to Approved PD-GDP Zoning       Major Amendment to Approved PD-SIP Zoning
- Review of Alteration to Planned Development (By Plan Commission)
- Conditional Use, or Major Alteration to an Approved Conditional Use
- Demolition Permit
- Other Requests: \_\_\_\_\_

3. Applicant, Agent & Property Owner Information:

**Applicant Name:** Gary A. Brown      **Company:** University of Wisconsin - Madison  
**Street Address:** 610 Walnut Street, Suite 919      **City/State:** Madison, WI      **Zip:** 53726  
**Telephone:** (608) 263-3023      **Fax:** (608) 265-3139      **Email:** gbrown@fpm.wisc.edu

**Project Contact Person:** Gary A. Brown      **Company:** University of Wisconsin - Madison  
**Street Address:** 610 Walnut Street, Suite 919      **City/State:** Madison, WI      **Zip:** 53726  
**Telephone:** (608) 263-3023      **Fax:** (608) 265-3139      **Email:** gbrown@fpm.wisc.edu

**Property Owner (if not applicant):** Board of Regents of the UW System  
**Street Address:** 1220 Linden Drive      **City/State:** Madison, WI      **Zip:** 53706

4. Project Information:

Provide a brief description of the project and all proposed uses of the site: 60,000 sft expansion of existing parking structure, adding approximately 780 parking spaces for a net increase of approximately 357 spaces on the west campus.

Development Schedule: Commencement June 2014      Completion August 2015

## 5. Required Submittal Information

All Land Use applications are required to include the following:

**Project Plans including:\***

- Site Plans (fully dimensioned plans depicting project details including all lot lines and property setbacks to buildings; demolished/proposed/altered buildings; parking stalls, driveways, sidewalks, location of existing/proposed signage; HVAC/Utility location and screening details; useable open space; and other physical improvements on a property)
- Grading and Utility Plans (existing and proposed)
- Landscape Plan (including planting schedule depicting species name and planting size)
- Building Elevation Drawings (fully dimensioned drawings for all building sides, labeling primary exterior materials)
- Floor Plans (fully dimensioned plans including interior wall and room location)

Provide collated project plan sets as follows:

- **Seven (7) copies** of a full-sized plan set drawn to a scale of 1 inch = 20 feet (folded or rolled and stapled)
- **Twenty Five (25) copies** of the plan set reduced to fit onto 11 X 17-inch paper (folded and stapled)
- **One (1) copy** of the plan set reduced to fit onto 8 ½ X 11-inch paper

\* For projects requiring review by the **Urban Design Commission**, provide **Fourteen (14) additional 11x17 copies** of the plan set. In addition to the above information, all plan sets should also include: 1) Colored elevation drawings with shadow lines and a list of exterior building materials/colors; 2) Existing/proposed lighting with photometric plan & fixture cutsheet; and 3) Contextual site plan information including photographs and layout of adjacent buildings and structures. The applicant shall bring samples of exterior building materials and color scheme to the Urban Design Commission meeting.

**Letter of Intent: Provide one (1) Copy per Plan Set** describing this application in detail including, but not limited to:

- |   |   |  |
|---|---|--|
| • Project Team                                | • Building Square Footage                       | • Value of Land  |
| • Existing Conditions                         | • Number of Dwelling Units                      | • Estimated Project Cost                                     |
| • Project Schedule                            | • Auto and Bike Parking Stalls                  | • Number of Construction & Full-Time Equivalent Jobs Created |
| • Proposed Uses (and ft <sup>2</sup> of each) | • Lot Coverage & Usable Open Space Calculations | • Public Subsidy Requested                                   |
| • Hours of Operation                          |   |  |

**Filing Fee:** Refer to the Land Use Application Instructions & Fee Schedule. Make checks payable to: *City-Treasurer*.

**Electronic Submittal:** All applicants are required to submit copies of all items submitted in hard copy with their application as Adobe Acrobat PDF files on a non-returnable CD to be included with their application materials, or by e-mail to pcapplications@cityofmadison.com.

**Additional Information** may be required, depending on application. Refer to the Supplemental Submittal Requirements.

## 6. Applicant Declarations

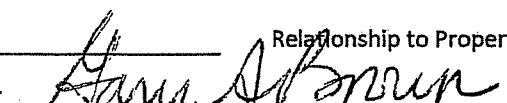
**Pre-application Notification:** The Zoning Code requires that the applicant notify the district alder and any nearby neighborhood and business associations in writing no later than **30 days prior to FILING this request**. List the alderperson, neighborhood association(s), and business association(s) AND the dates you sent the notices:  
Alder Bidar-Sielaff, email 7/25/13, informational presentation at JWCAC meeting 2/27/13

→ If a waiver has been granted to this requirement, please attach any correspondence to this effect to this form.

**Pre-application Meeting with Staff:** Prior 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: 5/23/13 Zoning Staff: Jenny Kirchgatter Date: 5/23/13

The applicant attests that this form is accurately completed and all required materials are submitted:

Name of Applicant Gary A. Brown Relationship to Property: Owner's Representative  
Authorizing Signature of Property Owner  Date 09/13/13



**WISCONSIN**  
UNIVERSITY OF WISCONSIN-MADISON

September 18, 2013

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

**RE:     CONDITIONAL USE APPLICATION – Letter of Intent  
          UW HOSPITAL RAMP EXPANSION  
          610 Highland Avenue  
          University of Wisconsin-Madison**

Dear Mr. Tucker:

This is an application for a Conditional Use request for a proposed 60,000 gross square foot addition (footprint) to the south and east of the existing UW Hospital (Lot 75) Parking Ramp. The expansion will provide approximately 780 additional parking spaces with a net increase of approximately 357 spaces on the west campus. The UW Hospital Ramp (parcel # 0709-164-0101-4) is located at 610 Highland Avenue and is zoned R-5. This application is being submitted for Plan Commission action at their November 4, 2013 meeting. Construction of the improvements is scheduled to begin June 2014 and be completed in September 2015. All land is owned by the Board of Regents of the University of Wisconsin System.

**Application Materials**

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

**Project Participants**

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

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

**Facilities Planning & Management**

9<sup>th</sup> Floor WARF Building    610 Walnut Street    Madison, Wisconsin 53726-2397  
 (608) 263-3000            FAX (608) 265-3139    TTY (608) 265-5147

**Dept of Admin:** **Division of Facilities Development**  
 101 E. Wilson Street  
 P.O. Box 7866  
 Madison, Wisconsin 53707  
 Phone: 608-266-7041  
 Attn: Tim Luttrell  
 E-Mail: [tim.luttrell@wisconsin.gov](mailto:tim.luttrell@wisconsin.gov)

**Project Manager/:** **GRAEF**  
**Structural, Electrical,**  
**Mechanical & Civil**  
**Engineer**  
 125 South 84<sup>th</sup> Street, Suite 401  
 Milwaukee, Wisconsin 53214  
 Phone: 414-259-1500  
 Attn: Dewey Hemba, P.E.  
 E-Mail: [dewey.hemba@graef-usa.com](mailto:dewey.hemba@graef-usa.com)

**Architect:** **Eppstein Uhen Architects, Inc.**  
 222 West Washington Ave., Suite 650  
 Madison, WI 53703  
 Phone: 608-442-6692  
 Attn: Brad Nygaard  
 E-Mail: [bradn@eua.com](mailto:bradn@eua.com)

**Landscape Architect:** **Ken Saiki Design**  
 303 South Paterson, Suite One  
 Madison, Wisconsin 53703  
 Phone: 608-251-3600  
 Attn: Ken Saiki  
 E-Mail: [ksaiki@ksd-la.com](mailto:ksaiki@ksd-la.com)

**Plumbing and:** **PSJ Engineering, Inc.**  
**Fire Protection**  
 6000 Gisholt Drive, Suite 201  
 Madison, WI 53713  
 Phone: 608-223-9040  
 Attn: Ted Linsley  
 E-Mail: [ted@psjengineering.com](mailto:ted@psjengineering.com)

**Cost Estimating:** **Middleton Construction Consulting**  
 330 East Kilbourn Avenue, Suite 565  
 Milwaukee, WI 53202  
 Phone: 414-716-4400  
 Attn: Tom Middleton  
 E-Mail: [tom@middleton-cc.com](mailto:tom@middleton-cc.com)

**Construction Phasing:** **J.H. Findorff & Son, Inc.**  
 300 South Bedford Street  
 Madison, WI 53703  
 Phone: 608-442-7361  
 Attn: Sam Lawrence  
 E-Mail: [slawrence@findorff.com](mailto:slawrence@findorff.com)

**Project Background:**

The UW Hospital Parking Ramp (also known as Parking Ramp 75 or Lot 75) is located immediately east of the University of Wisconsin Hospital on the UW-Madison campus. The ramp is utilized by hospital staff, patients and visitors as well as west campus visitors and staff. The ramp and the adjacent surface parking lot (Lot 79) have a current capacity of 1,414 vehicle parking stalls. The ramp is a vital part of the west campus parking strategy to meet the needs of Hospital visitors and patients as well as Hospital and University staff.

The ramp is used every day of the year, 24 hours per day, 7 days per week. The peak parking demand on the current structure is high. The parking structure is the busiest in Dane County serving over 800,000 customers a year. The closing of the nearby surface Lot 60-North and Lot 85 has eliminated 423 parking spaces from the west end of campus and places an even greater demand for parking on Ramp 75. Additional parking is needed on the west end of campus to maintain the overall number of parking spaces available to users.

**Project Description:**

The project consists of an expansion to the existing UW Hospital Parking Ramp with additions to the south and east of the existing ramp. The UW Hospital Ramp project will be designed and constructed as an expansion to the existing 6-tier, precast concrete parking ramp on a parcel of land on the western edge of the UW-Madison campus in the Health Sciences neighborhood. Six tiers of parking will be added on the east expansion (one tier will be below grade) and five tiers will be added as part of the south expansion. The ramp will contain an additional 780 parking spaces, approximately 23 of which will be ADA van accessible. The ADA van accessible stalls will be provided on-grade at level 2. Bicycle (144 stalls) and moped parking will also be provided. The ramp will include new parking offices, two new stair towers and new exit gates at levels 1 and 2. The northeast stair tower will contain a new elevator. Valet parking stalls will be provided on level 1 (below grade) as well as a newly organized valet ramp and circulation system. The existing Stair Tower B will be preserved and updated to reflect the design of the expansion and enhance safety. The existing exit gates, including revenue control booths and the parking office, will be demolished and replaced with new exit gates and offices at the on-grade level. The façade of the parking ramp expansion will be precast concrete with brick masonry. Upgrades will be made to Highland Avenue and the Highland Avenue/Observatory Drive intersection including the addition of more turn lanes in and out of the hospital main entry drive. The Hospital entry drive will be redesigned to accommodate four lanes of traffic; two entry lanes and two exit lanes.

The proposed parking ramp expansion is part of parking changes in the west campus area which include the completed VA garage project which added 374 stalls and the 2550 University development project which added 140 stalls. The UW Hospital Parking Ramp project will add 347 stalls and relocate 423 stalls from Lots 60 and 85. A joint traffic study called the "Westside Neighborhood and University Avenue Corridor Transportation Study" is currently being prepared by Strand Associates. Preliminary results from the study show that the UW Hospital Garage accounts for 41% to 44% of the projected increased peak hour trips, about 10 to 20 vehicles per hour on streets south of University Avenue for AM peak hour conditions and 5 to 15 vph for PM peak hour conditions. The study also looked at Level of Service for major intersections. The results show that some turning movements dropped a level when the increased parking is factored in.

The estimated construction cost for the project is \$26,253,000. Public subsidy is not being requested.

**Building Areas:**

The existing and proposed expansion areas are as follows:

Existing:	76,118 SF
South Addition:	36,230 SF
East Addition:	23,747 SF
Total at Completion:	130,095 SF

**Proposed Uses:**

The proposed uses and associated square footage are as follows:

Parking:	127,063 SF
Parking Office:	2,037 SF
Mechanical:	995 SF
Total:	130,095 SF

**Hours of Operation**

The UW Hospital Parking Ramp is operational 24 hours a day, 7 days a week. All maintenance inside and around the site of the facility, including snow removal, will be provided by the UW-Madison Facilities Planning & Management staff or under contract by UW-Madison. Trash removal is also handled by campus facilities staff.

**Number of Construction & Full-Time Equivalent Jobs Created**

Based on a study entitled "The Impact of Construction on the Wisconsin Economy" by C3 Statistical Solutions, published in January 2011, every \$1 spent directly on construction projects produces an overall economic impact of approximately \$1.92. Using a related formula that 17 jobs are created for every \$1 million of construction costs, this \$26.3 million project should create approximately 447 jobs split between design and construction workers and the service industry and direct, indirect and induced jobs.

**Lot Coverage and Usable Open Space Calculations**

The lot is 345,851 square feet. The total open space/area outside the building footprint and other impervious area is 65,595 square feet.

**Project Schedule:**

Start Construction: June 2014  
Substantial completion: September 2015

**Legal Description of Site** - See attached.

The project was presented to the City of Madison Development Assistance Team on May 23, 2013 and to the Joint West Campus Area Committee for informational purposes on February 27, 2013 and August 28, 2013. It is scheduled for action at the September 25, 2013 JWCAC meeting.

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

Thank you,



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

cc: Matt Collins, UW-Madison FP&M Project Manager  
Tim Luttrell, DOA/DSF Project Manager

Alder Shiva Bidar-Sielaff, District 5



# UW HOSPITAL RAMP EXPANSION UNIVERSITY OF WISCONSIN - MADISON MADISON, WISCONSIN

DFD PROJECT NUMBER 12B1K  
STATE OF WISCONSIN, DEPARTMENT OF ADMINISTRATION  
DIVISION OF FACILITIES DEVELOPMENT

**OWNER**  
STATE OF WISCONSIN, DEPARTMENT OF ADMINISTRATION  
DIVISION OF FACILITIES DEVELOPMENT

STATE OF WISC. ADMINISTRATION BUILDING - 7TH FLOOR  
101 EAST WILSON STREET - P.O. BOX 7866  
MADISON, WI 53707

**PROJECT MANAGEMENT**  
**GRAEF**

125 SOUTH 84TH ST., SUITE 401  
MILWAUKEE, WI 53214  
www.graef-usa.com

PROJECT CONTACT: DEWEY HEMBA  
DIRECT PHONE: (414) 266-9136  
EMAIL ADDRESS: dewey.hemba@graef-usa.com  
FAX NUMBER: (414) 259-0037

**STRUCTURAL**  
**GRAEF**

125 SOUTH 84TH ST., SUITE 401  
MILWAUKEE, WI 53214  
www.graef-usa.com

PROJECT CONTACT: JASON GROSS  
DIRECT PHONE: (414) 266-9166  
EMAIL ADDRESS: jason.gross@graef-usa.com  
FAX NUMBER: (414) 259-0037

**ARCHITECTURAL**  
**EPSTEIN UHEN ARCHITECTS, INC.**

222 WEST WASHINGTON AVE., SUITE 650  
MADISON, WI 53703  
www.eppsteinuhen.com

PROJECT CONTACT: JONATHAN PARKER  
DIRECT PHONE: (608) 442-6681  
EMAIL ADDRESS: jonathanp@eua.com  
FAX NUMBER: (608) 442-6680

**CIVIL**  
**GRAEF**

125 SOUTH 84TH ST., SUITE 401  
MILWAUKEE, WI 53214  
www.graef-usa.com

PROJECT CONTACT: JIM HANSEN  
DIRECT PHONE: (414) 266-9067  
EMAIL ADDRESS: james.hansen@graef-usa.com  
FAX NUMBER: (414) 259-0037

**MECHANICAL**  
**GRAEF**

125 SOUTH 84TH ST., SUITE 401  
MILWAUKEE, WI 53214  
www.graef-usa.com

PROJECT CONTACT: JASON GERKE  
DIRECT PHONE: (414) 266-9236  
EMAIL ADDRESS: jason.gerke@graef-usa.com  
FAX NUMBER: (414) 259-0037

**ELECTRICAL**  
**GRAEF**

125 SOUTH 84TH ST., SUITE 401  
MILWAUKEE, WI 53214  
www.graef-usa.com

PROJECT CONTACT: ANDREW WALTHER  
DIRECT PHONE: (414) 266-9243  
EMAIL ADDRESS: andrew.walthers@graef-usa.com  
FAX NUMBER: (414) 259-0037

**PLUMBING/FIRE PROTECTION**  
**PSJ ENGINEERING**

900 JOHN NOLEN DR., UNIT 204  
MADISON, WI 53703  
www.psjengineering.com

PROJECT CONTACT: TED LINSLEY  
DIRECT PHONE: (608) 251-5820  
EMAIL ADDRESS: ted@psjengineering.com  
FAX NUMBER: (608) 251-4774

**LANDSCAPE ARCHITECT**  
**KEN SAIKI DESIGN**

303 SOUTH PATERSON, SUITE 1  
MADISON, WI 53703  
www.ksd-la.com

PROJECT CONTACT: KEN SAIKI  
DIRECT PHONE: (608) 251-3600  
EMAIL ADDRESS: ksaiki@ksd-la.com  
FAX NUMBER: (608) 251-2330

## PARKING RAMP ADDITION:

**BUILDING STATISTICS**  
LOCATION: CITY OF MADISON, COUNTY OF DANE, STATE OF WISCONSIN  
APPLICABLE BUILDING CODE: 2018 INTERNATIONAL BUILDING CODE  
OWNER: STATE OF WISCONSIN, DEPARTMENT OF ADMINISTRATION, DIVISION OF FACILITIES DEVELOPMENT  
PROJECT TYPE: NEW CONSTRUCTION  
OCCUPANCY: S-2 (PARKING GARAGE-PERMITTED), B (BUSINESS) - ACCESSORY  
HEIGHT: 5 STORIES  
TOTAL GROSS BUILDING AREA: 754,087 SF

**BUILDING GROSS SQUARE FOOTAGE BY FLOOR:**  
FIRST LEVEL: 60,226 SF  
SECOND FLOOR: 136,251 SF  
THIRD FLOOR: 136,303 SF  
FOURTH FLOOR: 136,326 SF  
FIFTH FLOOR: 136,338 SF  
SOUTH FLOOR: 136,958 SF  
ROOF: 2,338 SF  
TOTAL: 754,087 SF

**BUILDING SQUARE FOOTAGE BY USE:**  
PARKING: 748,213 SF  
OFFICE: 2,552 SF  
BUILDING SERVICES: 1,322 SF

**PARKING STALLS**  
EXISTING: 1,219  
ACCESSIBLE: 81  
TOTAL: 1,300

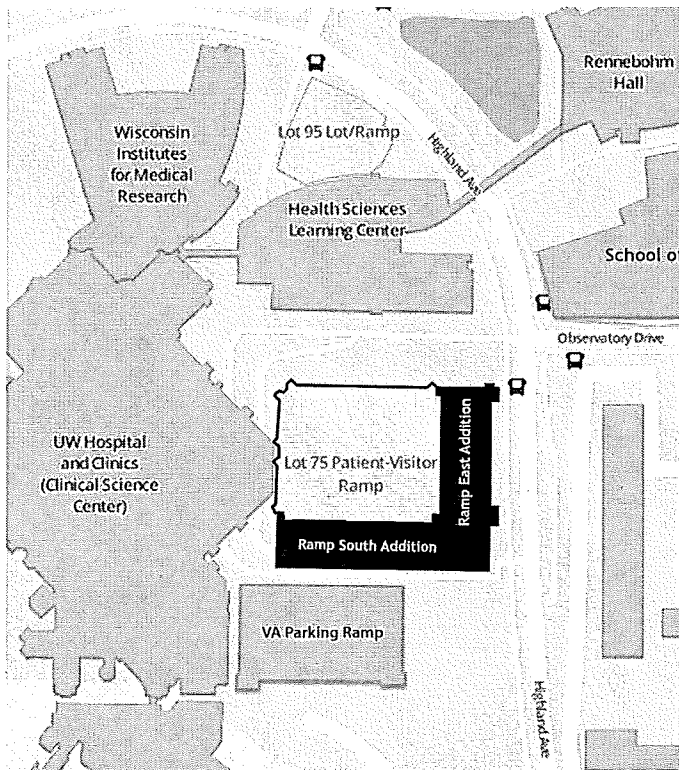
**WHEN COMPLETED:**  
ACCESSIBLE: 90  
TOTAL: 2,199

**BUILDING CLASSIFICATION**  
BUILDING CONSTRUCTION CLASSIFICATION: TYPE I-A  
SPRINKLER SYSTEM: NON-SPRINKLED  
ALLOWABLE AREA TABLE 503  
OCCUPANCY: S-2 UNLIMITED

10% 1' EXIT ACCESS TRAVEL DISTANCE 300'

**LEGAL DESCRIPTION:**  
THAT PART OF THE SOUTHEAST 1/4 OF SECTION 16, TOWNSHIP 7 NORTH RANGE 9 EAST, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN, MORE PARTICULARLY DESCRIBED AS FOLLOWS:  
COMMENCING AT THE SOUTHWEST CORNER OF SAID SOUTHEAST 1/4; THENCE SOUTH 89°57'28" EAST, ON AND ALONG THE SOUTH LINE OF SAID SOUTHEAST 1/4, 734.61 FEET; THENCE NORTH 0°48'51" EAST, 236.47 FEET TO THE POINT OF BEGINNING; THENCE CONTINuing NORTH 0°48'51" EAST, 23.50 FEET TO THE BEGINNING OF A CURVE TO THE RIGHT, HAVING A RADIUS OF 100.00 FEET AND A LONG CHORD OF NORTH 51°01'07" WEST, 44.47 FEET; THENCE NORTHWESTERLY, ON AND ALONG THE ARC OF SAID CURVE, 41.84 FEET; THENCE NORTH 30°20'12" WEST, 38.79 FEET; THENCE NORTH 01°16'49" EAST, 38.56 FEET; THENCE NORTH 80°26'07" EAST, 10.73 FEET TO THE BEGINNING OF A CURVE TO THE RIGHT, HAVING A RADIUS OF 80.00 FEET AND A LONG CHORD OF NORTH 47°25'55" EAST, 70.40 FEET; THENCE NORTHEASTERLY, ON AND ALONG THE ARC OF SAID CURVE, 78.10 FEET; THENCE NORTH 01°17'22" EAST, 21.26 FEET; THENCE NORTH 80°23'20" EAST, 401.72 FEET; THENCE NORTH 11°44'30" WEST, 74.49 FEET; THENCE NORTH 70°12'24" EAST, 84.84 FEET; THENCE SOUTH 11°44'30" EAST, 96.77 FEET; THENCE NORTH 82°22'23" EAST, 45.78 FEET; THENCE SOUTH 01°17'22" EAST, 78.69 FEET; THENCE SOUTH 82°22'23" WEST, 38.36 FEET; THENCE SOUTH 02°50'54" EAST, 614.73 FEET; THENCE SOUTH 88°25'17" WEST, 95.97 FEET; THENCE NORTH 02°50'54" WEST, 75.42 FEET; THENCE NORTH 88°42'21" WEST, 493.82 FEET TO THE POINT OF BEGINNING.

**SITE INFORMATION:**  
SITE ACREAGE = 7.939 ACRES (343,844 SF)  
BUILDING FOOTPRINT AND IMPERVIOUS AREA = 843 ACRES (367,256 SF)  
OPEN SPACE AREA = 1.511 ACRES (65,585 SF)



ZONING MAP

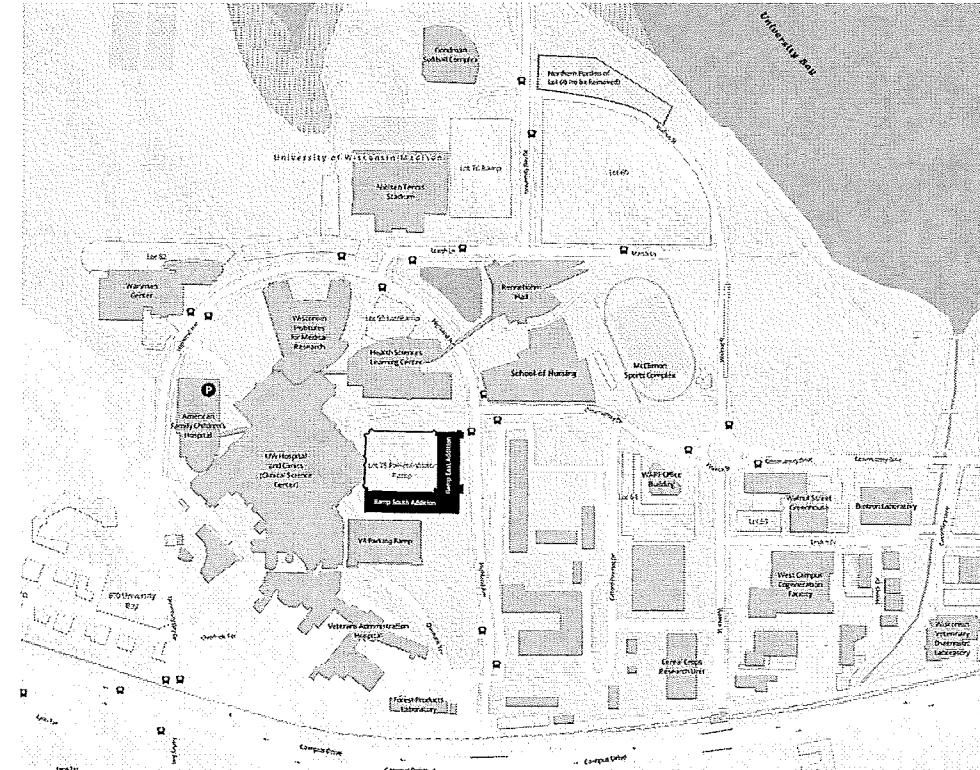
## SHEET INDEX:

**SITE CIVIL:**  
C000 SITE CONSTRUCTION BOUNDARY  
C001 SITE EROSION CONTROL PLAN PHASE 2  
C002 SITE EROSION CONTROL PLAN PHASE 3  
C003 SITE LAYOUT PLAN PHASE 2  
C004 SITE LAYOUT PLAN PHASE 3  
C005 SITE FIRE ACCESS PLAN  
C006 SITE GRADING PLAN - PHASE 2  
C007 SITE GRADING PLAN - PHASE 3  
C008 SITE UTILITY PLAN PHASE 2  
C009 SITE UTILITY PLAN PHASE 3  
C010 SITE CONSTRUCTION DETAILS  
C011 SITE CONSTRUCTION DETAILS  
C012 SITE CONSTRUCTION DETAILS  
C013 SITE CONSTRUCTION DETAILS  
C014 SITE CONSTRUCTION DETAILS  
C015 SITE CONSTRUCTION DETAILS  
C016 SITE CONSTRUCTION DETAILS  
C017 SITE CONSTRUCTION DETAILS  
C018 SITE CONSTRUCTION DETAILS

**LANDSCAPE AND SITE:**  
L001 LANDSCAPE PLAN  
L002 LANDSCAPE DETAILS  
L003 PROPOSED WALKWAYS SIGNAGE

**ARCHITECTURAL:**  
A100-1 FIRST LEVEL EAST ADDITION PLAN  
A100-2 SECOND LEVEL EAST ADDITION PLAN  
A100-3 THIRD LEVEL EAST ADDITION PLAN  
A100-4 FOURTH LEVEL EAST ADDITION PLAN  
A100-5 FIFTH LEVEL EAST ADDITION PLAN  
A100-6 SIXTH LEVEL EAST ADDITION PLAN  
A100-7 EXTERIOR ELEVATIONS - SOUTH ADDITION  
A100-8 EXTERIOR ELEVATIONS - EAST ADDITION

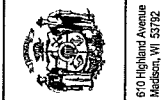
**ELECTRICAL:**  
E002 ELECTRICAL SITE LIGHTING - PHOTOMETRIC



SITE LOCATION MAP

Consultant:

State of Wisconsin  
Department of Administration  
Division of Facilities Development



UW Hospital Ramp Expansion  
University of Wisconsin - Madison  
Madison, Wisconsin

Sheet Title:  
PLAN COMMISSION SUBMITTAL

Revisions:		
No.	Date	Description

Graphic Scale	
DFD Number	12B1K
Set Type	PR
Date Issued	09/13/2013
Sheet Number	TS000

Consultant:

State of Wisconsin  
Department of Administration  
Division of Facilities Development



810 Highland Avenue  
Madison, WI 53702

UW Hospital Ramp Expansion  
University of Wisconsin - Madison  
Madison, Wisconsin

Sheet Title:  
SITE CONSTRUCTION BOUNDARY

Revisions:

No.	Date	Description

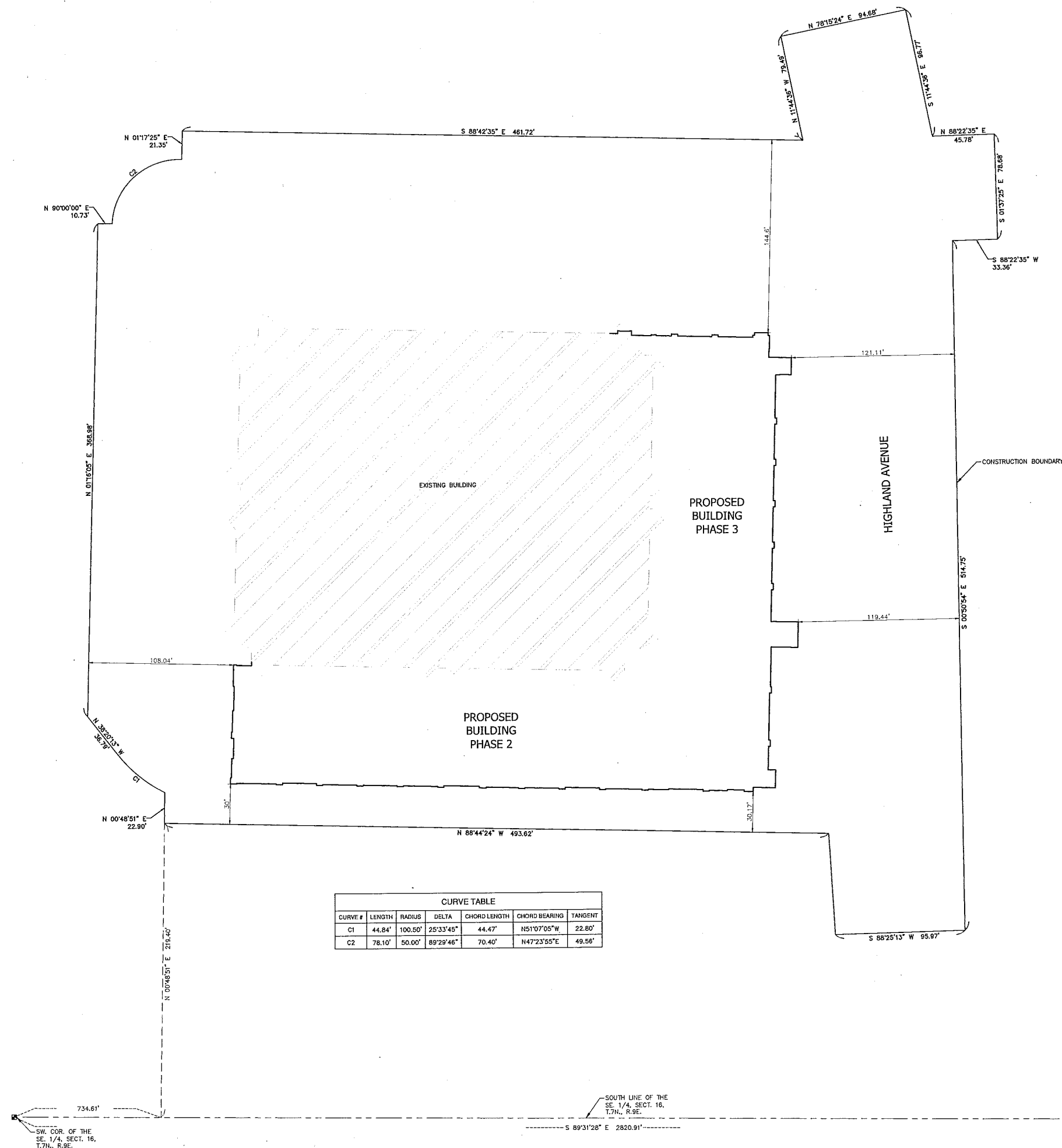
Graphic Scale	0 15 30 45
DFD Number	12B1K
Set Type	PR
Date Issued	09/13/2013
Sheet Number	C100

**LEGAL DESCRIPTION**

That part of the Southeast 1/4 of Section 16, Township 7 North, Range 9 East, in the City of Madison, Dane County, Wisconsin, more particularly described as follows:

Commencing at the Southwest corner of said Southeast 1/4; thence South 89°31'28" East, on and along the south line of said Southeast 1/4, 734.61 feet; thence North 00°48'51" East, 219.40 feet to the point of beginning; thence continuing North 00°48'51" East, 22.90 feet to the beginning of a curve to the right, having a radius of 100.50 feet and a long chord of North 51°07'05" West, 44.47 feet; thence Northwesterly, on and along the arc of said curve, 44.84 feet; thence North 38°20'13" West, 36.79 feet; thence North 01°16'05" East, 368.98 feet; thence North 90°00'00" East, 10.73 feet to the beginning of a curve to the right, having a radius of 50.00 feet and a long chord of North 47°23'55" East, 70.40 feet; thence Northeasterly, on and along the arc of said curve, 78.10 feet; thence North 01°17'25" East, 21.35 feet; thence North 88°42'35" East, 461.72 feet; thence North 11°44'36" West, 79.49 feet; thence North 78°15'24" East, 94.68 feet; thence South 11°44'36" East, 98.77 feet; thence North 88°22'35" East, 45.78 feet; thence South 01°17'25" East, 78.68 feet; thence South 88°22'35" West, 33.36 feet; thence South 00°50'54" East, 514.75 feet; thence South 88°25'13" West, 95.97 feet; thence North 03°36'05" West, 75.42 feet; thence North 88°44'24" West, 493.62 feet to the point of beginning.

Containing 345,844 square feet (7.939 acres), more or less.



CURVE #	LENGTH	RADIUS	DELTA	CHORD LENGTH	CHORD BEARING	TANGENT
C1	44.84'	100.50'	25°33'45"	44.47'	N51°07'05"W	22.80'
C2	78.10'	50.00'	89°29'46"	70.40'	N47°23'55"E	49.56'

SW. COR. OF THE SE. 1/4, SECT. 16, T.7N., R.9E.

SOUTH LINE OF THE SE. 1/4, SECT. 16, T.7N., R.9E.


SE. COR. OF THE SE. 1/4, SECT. 16, T.7N., R.9E.



One Honey Creek Corporate Center  
125 South 84th Street, Suite 401  
Madison, WI 53714-1470  
414 / 259 1500  
414 / 259 0037 fax  
www.graef-usa.com

Consultant:

State of Wisconsin  
Department of Administration  
Division of Facilities Development



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Madison, WI 53702

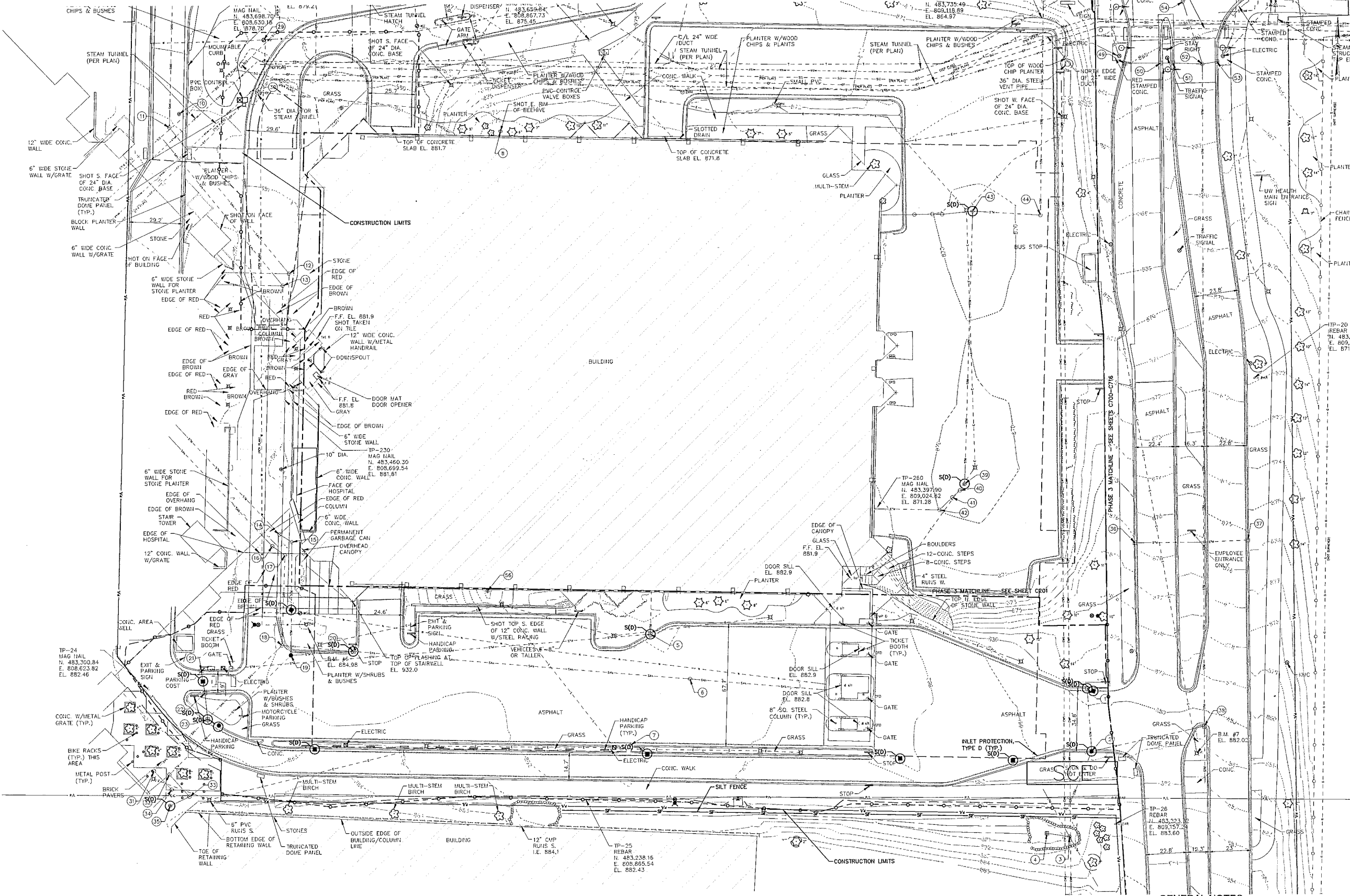
UW Hospital Ramp Expansion  
University of Wisconsin - Madison  
Madison, Wisconsin

Sheet Title: SITE EROSION CONTROL PLAN - PHASE 2

Revisions:	
No.	Description:

Graphic Scale	0' 5' 10' 20' 30'
DFD Number	12B1K
Set Type	FR
Date Issued	09/13/2013
Sheet Number	C200









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

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

**GENERAL NOTES**

1. ALL UNDERGROUND UTILITIES AND STRUCTURES HAVE BEEN SHOWN TO A REASONABLE DEGREE OF ACCURACY AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THEIR EXACT LOCATION AND TO AVOID DAMAGE THEREOF.
2. SEE SHEET C000 FOR LEGEND, ABBREVIATIONS AND EROSION CONTROL NOTES. SEE SHEET C001 FOR BENCHMARKS AND STRUCTURE TABLE.

**LEGEND**

-  -STONE CONSTRUCTION ENTRANCE ④ C900
-  -EROSION MATTING ② C900
-  -SILT FENCE ① C900
-  -INLET PROTECTION ③ C900
-  -TREE PROTECTION FENCE ④ C901
-  -CONSTRUCTION FENCE

Consultant:

State of Wisconsin  
 Department of Administration  
 Division of Facilities Development

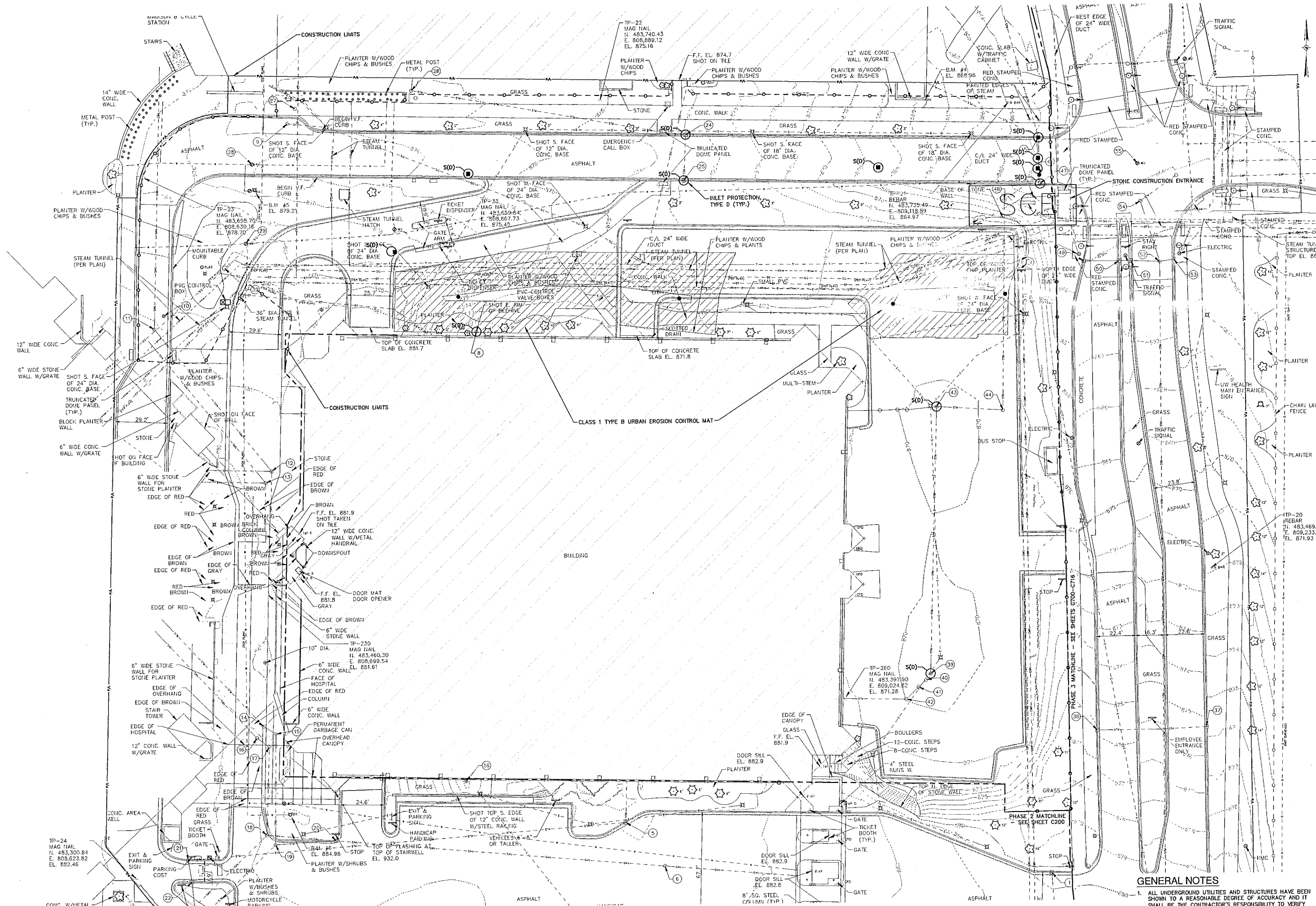
UW Hospital Ramp Expansion  
 University of Wisconsin - Madison  
 Madison, Wisconsin

Revisions:

No.	Date	Description

Graphic Scale: 0' 5' 10' 20' 30'  
 Scale: 1" = 20'

OFD Number: 1281K  
 Set Type: PR  
 Date Issued: 09/13/2013  
 Sheet Number: C201



**NOTICE:**  
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**GENERAL NOTES**

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2. SEE SHEET C000 FOR LEGEND, ABBREVIATIONS AND EROSION CONTROL NOTES. SEE SHEET C001 FOR BENCHMARKS AND STRUCTURE TABLE.
3. SEE SHEET C700 FOR HIGHLAND AVENUE EROSION CONTROL.

**LEGEND**

- STONE CONSTRUCTION ENTRANCE (Symbol: 4 C900)
- EROSION MATTING (Symbol: 2 C900)
- SILT FENCE (Symbol: 1 C900)
- INLET PROTECTION (Symbol: 3 C900)
- TREE PROTECTION FENCE (Symbol: 4 C901)
- CONSTRUCTION FENCE (Symbol: 1 C901)

Consultant:

State of Wisconsin  
Department of Administration  
Division of Facilities Development



610 Highland Avenue  
Madison, WI 53702

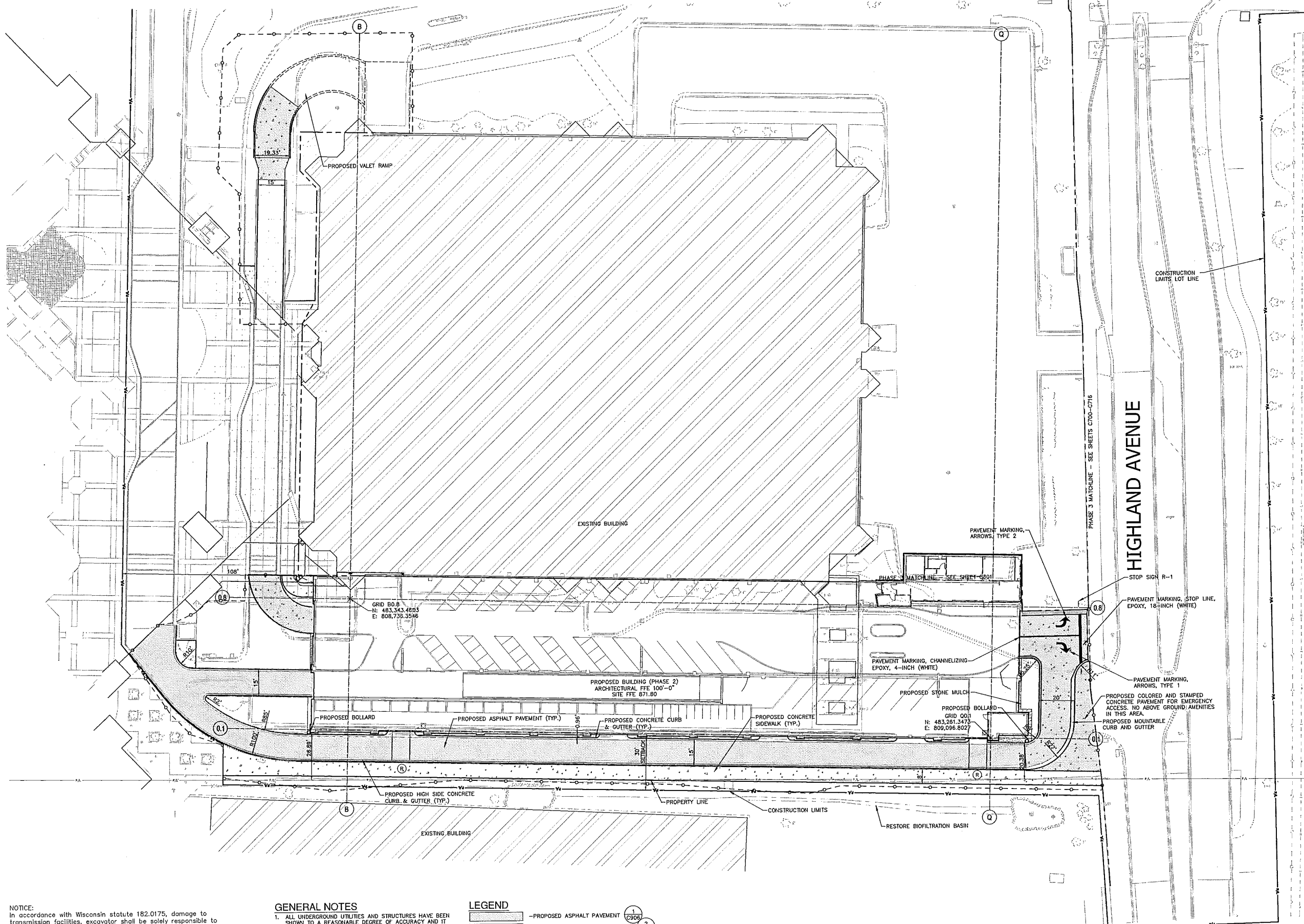
UW Hospital Ramp Expansion  
University of Wisconsin - Madison  
Madison, Wisconsin

Sheet Title:  
SITE LAYOUT PLAN - PHASE 2

Revisions:

No.	Date:	Description:

Graphic Scale	0' 10' 20' 30'
DFD Number	1281K
Set Type	PR
Date Issued	09/13/2013
Sheet Number	C300



**NOTICE:**  
In accordance with Wisconsin statute 192.0175, damage to transmission facilities, excavator shall be solely responsible to provide advance notice to the designated "ONE CALL SYSTEM" not less than three working days prior to commencement of any excavation required to perform work contained on this drawing, and further, excavator shall comply with all other requirements of this statute relative to excavator's work.

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**GENERAL NOTES**

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2. SEE SHEET C000 FOR LEGEND, ABBREVIATIONS AND SITE LAYOUT NOTES. SEE SHEET C001 FOR BENCHMARKS AND STRUCTURE TABLE.
3. SEE SHEET C101 & C201 FOR LANDSCAPE PLAN AND LANDSCAPE DETAILS.

**SITE CALCULATIONS**

OVERALL LOT AREA - 345,844 S.F. (7.94 AC.)  
BUILDING AREA - 135,994 s.f. (3.12 AC.)  
OPEN SPACE - 65,595 S.F. (1.51 AC.)

**LEGEND**

	-PROPOSED ASPHALT PAVEMENT (C906)
	-PROPOSED CONCRETE SIDEWALK (C906)
	-PROPOSED BIOFILTRATION BASIN (C906)
	-PROPOSED CONCRETE PAVEMENT (C906)
	-PROPOSED CONCRETE MOUNTABLE CURB AND GUTTER (C902)
	-PROPOSED CONCRETE CURB AND GUTTER (C902)
	-PROPOSED HIGHSIDE CONCRETE CURB AND GUTTER (C902)
	-PROPERTY LINE
	-PROPOSED ADA RAMP (C902)

Consultant:

**GENERAL NOTES**

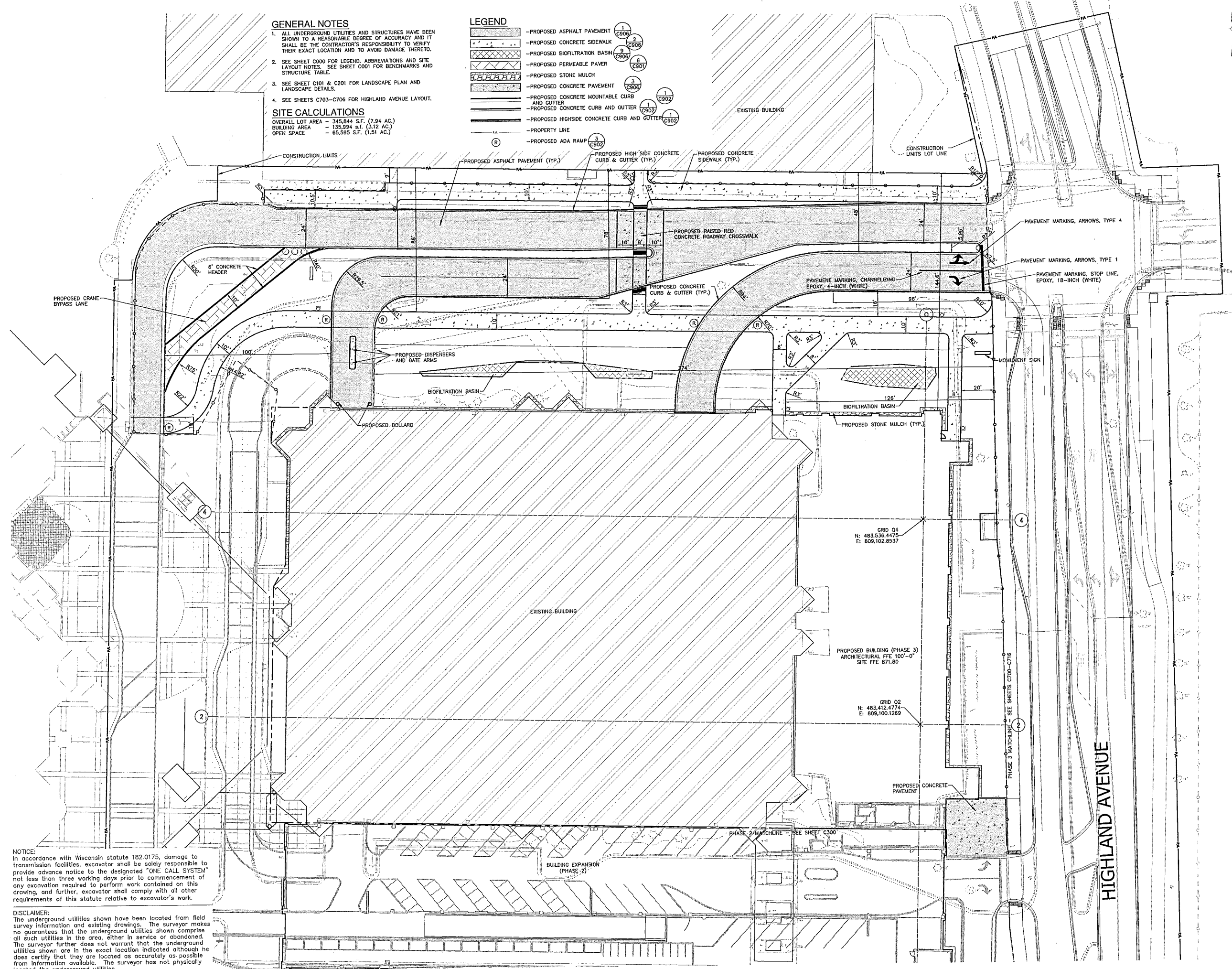
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2. SEE SHEET C000 FOR LEGEND, ABBREVIATIONS AND SITE LAYOUT NOTES. SEE SHEET C001 FOR BENCHMARKS AND STRUCTURE TABLE.
3. SEE SHEET C101 & C201 FOR LANDSCAPE PLAN AND LANDSCAPE DETAILS.
4. SEE SHEETS C703-C706 FOR HIGHLAND AVENUE LAYOUT.

**SITE CALCULATIONS**

OVERALL LOT AREA - 345,844 S.F. (7.94 AC.)  
BUILDING AREA - 135,994 s.f. (3.12 AC.)  
OPEN SPACE - 85,595 S.F. (1.51 AC.)

**LEGEND**

- PROPOSED ASPHALT PAVEMENT (C906)
- PROPOSED CONCRETE SIDEWALK (C905)
- PROPOSED BIOFILTRATION BASIN (C906)
- PROPOSED PERMEABLE PAVER (C901)
- PROPOSED STONE MULCH (C906)
- PROPOSED CONCRETE PAVEMENT (C906)
- PROPOSED CONCRETE MOUNTABLE CURB AND GUTTER (C902)
- PROPOSED CONCRETE CURB AND GUTTER (C902)
- PROPOSED HIGHSIDE CONCRETE CURB AND GUTTER (C902)
- PROPERTY LINE (R)
- PROPOSED ADA RAMP (C902)



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State of Wisconsin  
Department of Administration  
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810 Highland Avenue  
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University of Wisconsin - Madison  
Madison, Wisconsin

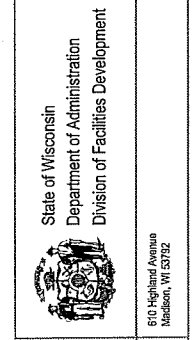
Sheet Title:  
SITE LAYOUT PLAN - PHASE 3

Revisions:

No.	Date	Description

Graphic Scale	0' 5' 10' 20' 30'
DFD Number	1261K
Set Type	PR
Date Issued	09/13/2013
Sheet Number	C301

Consultant:



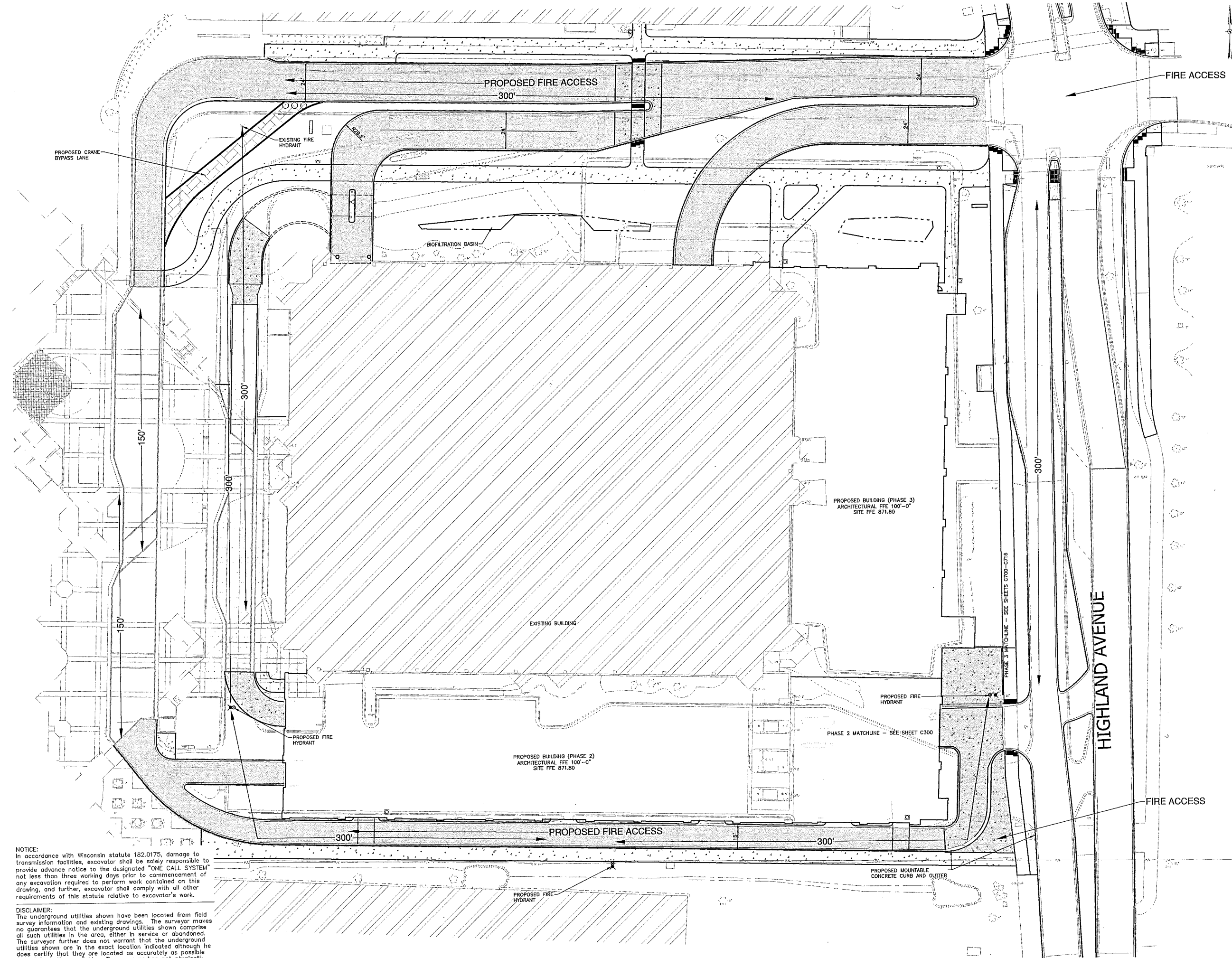
UW Hospital Ramp Expansion  
 University of Wisconsin - Madison  
 Madison, Wisconsin

Revisions:

No.	Date	Description

Graphic Scale: 0" 5' 10' 20' 30'  
 SCALE: 1" = 20'

DFD Number: 1281K  
 Set Type: PR  
 Date Issued: 09/13/2013  
 Sheet Number: C302

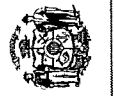


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Consultant:

State of Wisconsin  
Department of Administration  
Division of Facilities Development



610 Highland Avenue  
Madison, WI 53732

**UW Hospital Ramp Expansion**  
**University of Wisconsin - Madison**  
**Madison, Wisconsin**

Sheet Title:  
SITE GRADING PLAN - PHASE 2

Revisions:

No.	Date	Description

Graphic Scale: 0' 5' 10' 20' 30'

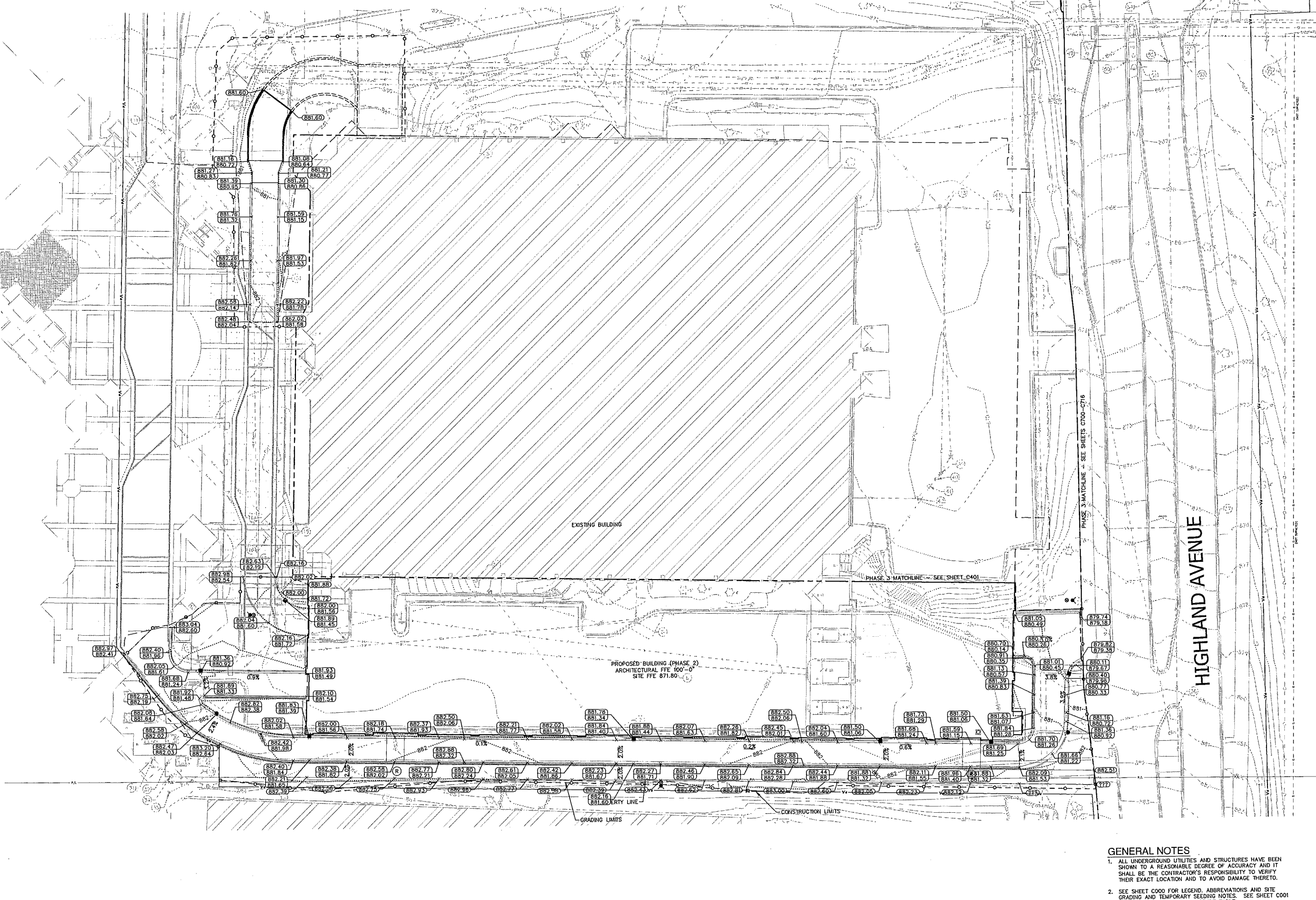
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DFD Number: 1281K

Set Type: PR

Date Issued: 09/13/2013

Sheet Number: C400



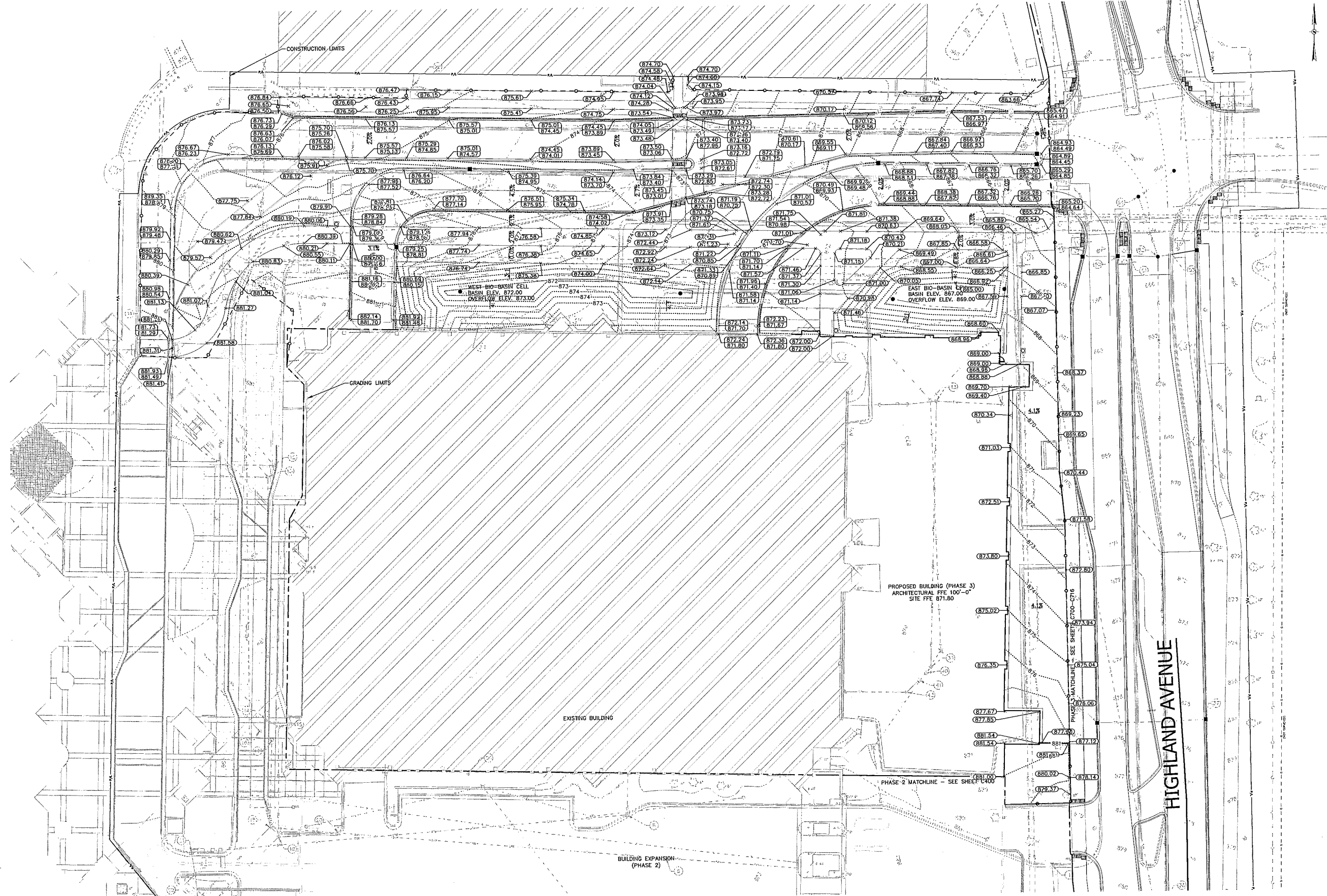
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  - SEE SHEET C000 FOR LEGEND, ABBREVIATIONS AND SITE GRADING AND TEMPORARY SEEDING NOTES. SEE SHEET C001 FOR BENCHMARKS AND STRUCTURE TABLE.
- LEGEND**
- - - - - EXISTING CONTOUR
  - ..... PROPOSED CONTOUR
  - - - - - CONSTRUCTION FENCE AND GRADING LIMITS
  - o - - - - PROPOSED MANHOLE
  - - - - - PROPOSED CATCH BASIN
  - XXX.XX - - - - PROPOSED TOP OF CURB GRADE
  - XXXX.XX - - - - PROPOSED FLANGE GRADE
  - XXXX.XX - - - - PROPOSED SPOT ELEVATION
  - Ⓟ - - - - PROPOSED ADA RAMP WITH TRUNCATED DOMES



Consultant:



**NOTICE:**  
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- SEE SHEET C000 FOR LEGEND, ABBREVIATIONS AND SITE GRADING AND TEMPORARY SEEDING NOTES. SEE SHEET C001 FOR BENCHMARKS AND STRUCTURE TABLE.

**LEGEND**

- EXISTING CONTOUR
- PROPOSED CONTOUR
- CONSTRUCTION FENCE AND GRADING LIMITS
- PROPOSED MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED TOP OF CURB GRADE
- PROPOSED FLANGE GRADE
- PROPOSED SPOT ELEVATION
- PROPOSED ADA RAMP WITH TRUNCATED DOMES

State of Wisconsin  
Department of Administration  
Division of Facilities Development



610 Highland Avenue  
Madison, WI 53726

UW Hospital Ramp Expansion  
University of Wisconsin - Madison  
Madison, Wisconsin


Sheet Title:  
SITE GRADING PLAN - PHASE 3

Revisions:		
No.	Date	Description

Graphic Scale	0' 5' 10' 20' 30'
Scale	SCALE: 1" = 20'
DFD Number	1281K
Set Type	PR
Date Issued	09/13/2013
Sheet Number	C401

Consultant:

State of Wisconsin  
 Department of Administration  
 Division of Facilities Development



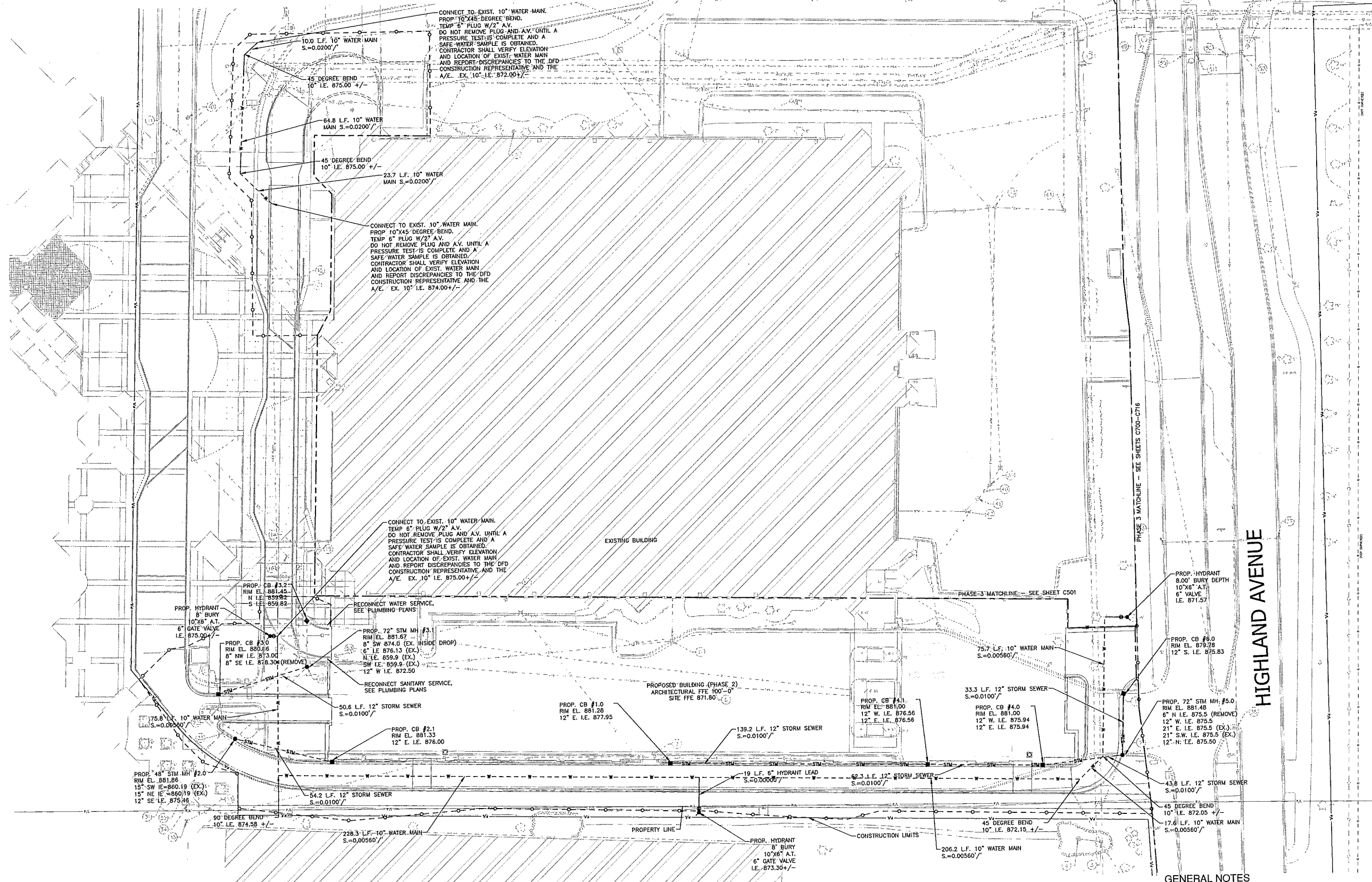
610 Highland Avenue  
 Madison, WI 53732

UW Hospital Ramp Expansion  
 University of Wisconsin - Madison  
 Madison, Wisconsin

Sheet Title:  
 SITE UTILITY PLAN - PHASE 2

Revisions:	No.	Date:	Description:

Graphic Scale	0' 5' 10' 20' 30'
Scale	SCALE: 1" = 20'
DFD Number	1281K
Set Type	PR
Date Issued	09/13/2013
Sheet Number	C500



**GENERAL NOTES**

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**LEGEND**

---	PROPOSED STORM SEWER
---	PROPOSED CHILLED WATER
●	PROPOSED MANHOLE
■	PROPOSED CATCH BASIN

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Consultant:

State of Wisconsin  
 Department of Administration  
 Division of Facilities Development

UW Hospital Ramp Expansion  
 University of Wisconsin - Madison  
 Madison, Wisconsin

670 Highland Avenue  
 Madison, WI 53792

Sheet Title:  
 SITE UTILITY PLAN - PHASE 3

Revisions:  
 No. Date: Description:

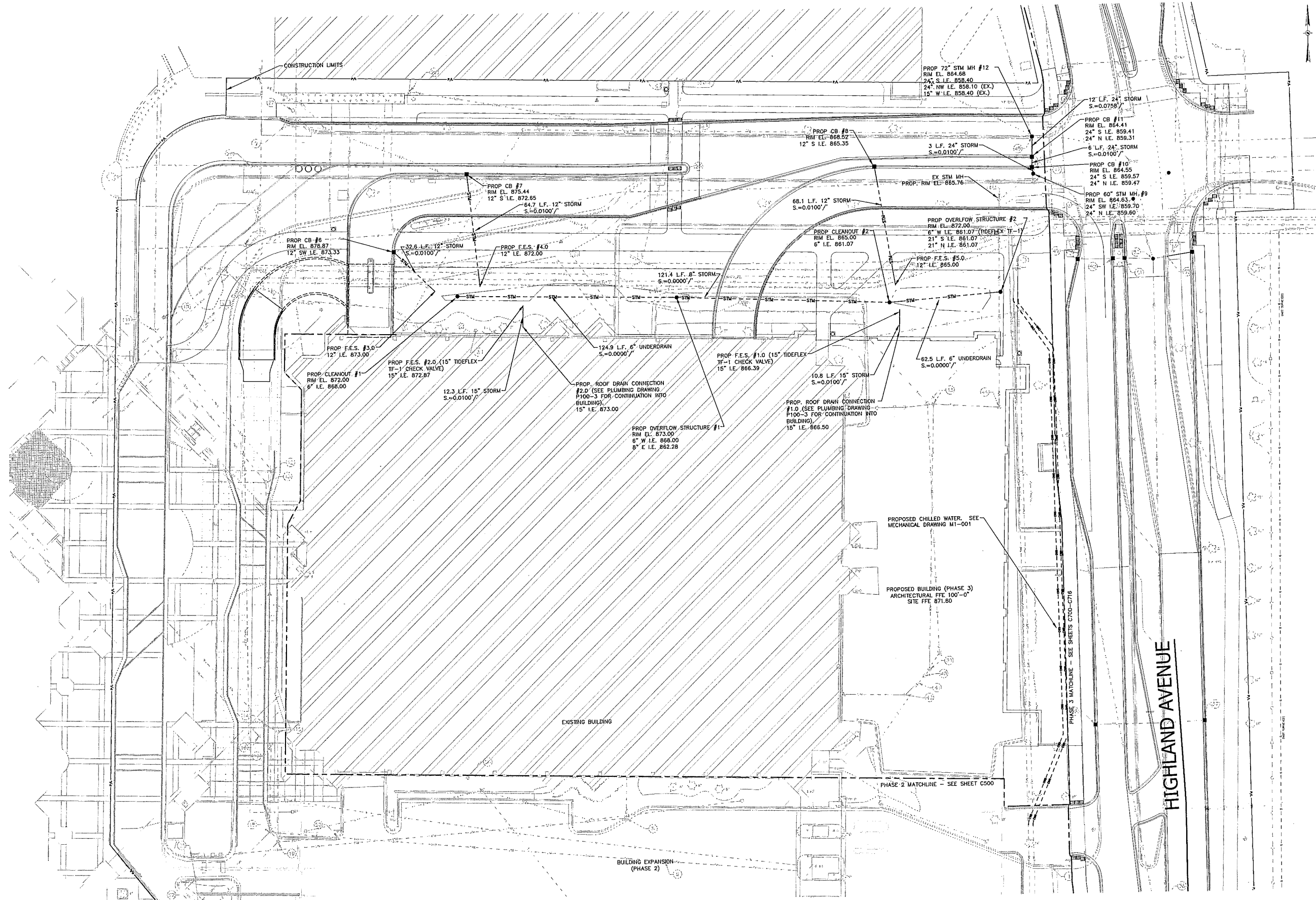
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 SCALE: 1" = 20'

DFD Number  
 1281K

Set Type  
 PR

Date Issued  
 09/13/2013

Sheet Number  
**C501**



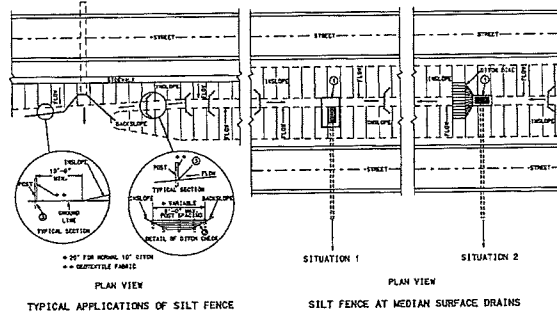
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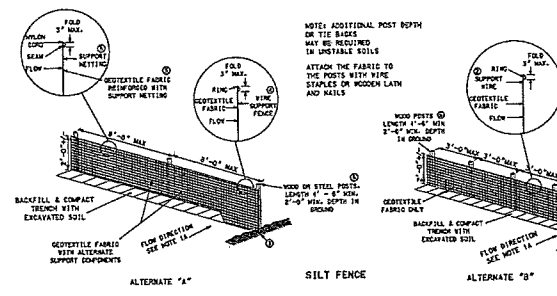
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 2. SEE SHEET C000 FOR LEGEND, ABBREVIATIONS AND UTILITY NOTES. SEE SHEET C001 FOR BENCHMARKS AND STRUCTURE TABLE.

**LEGEND**  
 -STM- PROPOSED STORM SEWER  
 -PROPOSED CHILLED WATER  
 ● PROPOSED MANHOLE  
 ■ PROPOSED CATCH BASIN

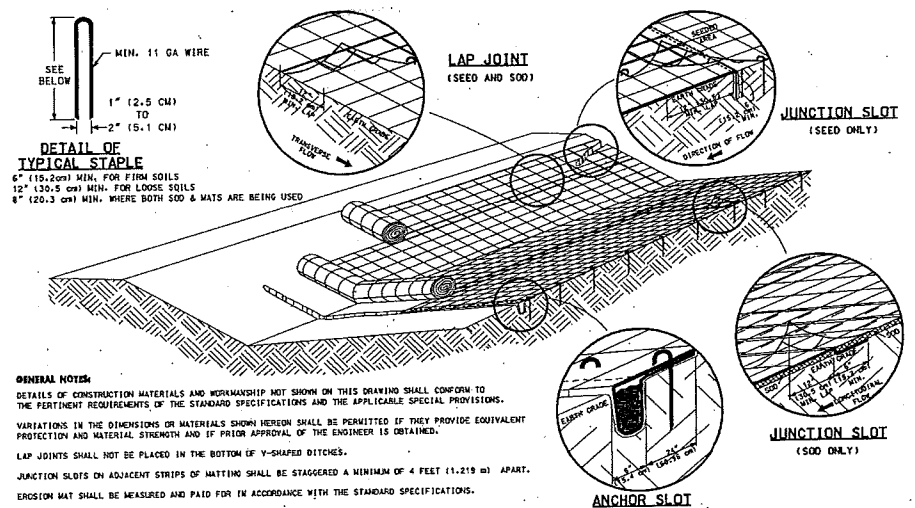
Consultant:



**GENERAL NOTES**  
 DETAIL OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.  
 1. MOST POSSIBLE THE SILT FENCE SHOULD BE CONSTRUCTED IN AN AND OR WEDGE SHAPE WITH THE SIDES POINTING UPSTREAM TO MAXIMIZE BOTH STRENGTH AND EFFECTIVENESS.  
 2. POSTS SPACE WITH 3" x 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS AS DIRECTED BY THE ENGINEER.  
 3. MINIMUM 14 GAUGE WIRE REQUIRED. FOLD FABRIC 3" OVER THE WIRE AND STAPLE OR NAIL WIRE RIDGES ON 12" C-CL.  
 4. EXCAVATE A TRENCH A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FILL MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH LEVIGATED SOIL.  
 5. WIRE SUPPORT FABRIC SHALL BE 14 GAUGE WIRE WITH A MINIMUM MESH SPACING OF 6". SECURE TOP OF GEOTEXTILE FABRIC TO TOP OF FRAME WITH STAPLES OR WIRE RIDGES AT 12" C-CL.  
 6. GEOTEXTILE FABRIC SHALL BE REINFORCED WITH AN INDUSTRIAL POLYPROPYLENE NETTING WITH A MINIMUM MESH SPACING ONLY ON EQUALS, A HEAVY DUTY NYLON TOP SUPPORT CORD OR EQUIVALENT IS REQUIRED.  
 7. STEEL POSTS SHALL BE STAGGERED "TEE" OR "U" TYPE WITH A MINIMUM HEIGHT OF 1.25 LEGALINAL FOOT (WITHOUT ANCHORS). FOR ANCHORS SUFFICIENT TO RESIST POST MOVEMENT AND REQUIRED. WOOD POSTS SHALL BE A MINIMUM SIZE OF 4" DIA. OR 1 1/2" x 3 1/2" EXCEPT WOOD POSTS FOR GEOTEXTILE FABRIC REINFORCED WITH NETTING SHALL BE A MINIMUM SIZE OF 1 1/2" x 1 1/2" DIA OR WIDEWOOD.  
 8. ALTERNATES A & B ARE EQUAL AND EITHER MAY BE USED.  
 9. REMOVAL OF ACCUMULATED SILT IS REQUIRED ONCE IT REACHES HALF THE HEIGHT OF THE SILT FENCE.



**1 SILT FENCE**  
 (ALSO REQUIRED AROUND STOCKPILES)  
 N.T.S.



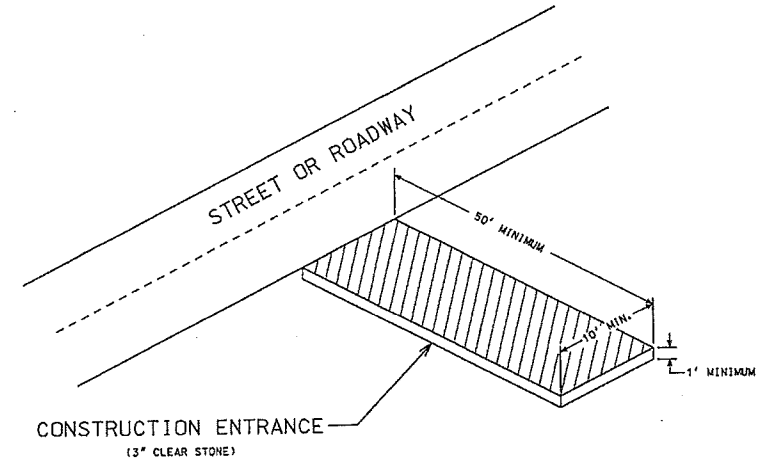
**DETAIL OF TYPICAL STAPLE**  
 6" (152.4mm) MIN. FOR FIRM SOILS  
 12" (304.8 mm) MIN. FOR LOOSE SOILS  
 8" (203.2 mm) MIN. WHERE BOTH SOD & MATS ARE BEING USED

**GENERAL NOTES:**  
 DETAILS OF CONSTRUCTION MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.  
 VARIATIONS IN THE DIMENSIONS OR MATERIALS SHOWN HEREIN SHALL BE PERMITTED IF THEY PROVIDE EQUIVALENT PROTECTION AND MATERIAL STRENGTH AND IF PRIOR APPROVAL OF THE ENGINEER IS OBTAINED.  
 LAP JOINTS SHALL NOT BE PLACED IN THE BOTTOM OF Y-SHAPED DITCHES.  
 JUNCTION SLOTS ON ADJACENT STRIPS OF MATTING SHALL BE STAGGERED A MINIMUM OF 4 FEET (1.219 m) APART.  
 EROSION MAT SHALL BE MEASURED AND PAID FOR IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

**EROSION MAT OVER SOD**  
 c. ONLY JUTE FABRIC WILL BE PERMITTED OVER SOD.  
 d. WOOD STAKES FOR SOD MAY BE OMITTED BY THE ENGINEER IF EXISTING SLOPE AND SOIL CONDITIONS SO WARRANT.  
 e. THE WIDTH OF EROSION MAT SHALL ALWAYS EXCEED THE SOD WIDTH.

**EROSION MAT OVER SEEDING**  
 JUNCTION OR ANCHOR SLOTS SHALL BE AT MINIMUM INTERVALS OF 100 FEET (30.48 m) ON GRADES UP TO AND INCLUDING 3 PERCENT, AND 50 FEET (15.24 m) ON GRADES EXCEEDING 3 PERCENT.

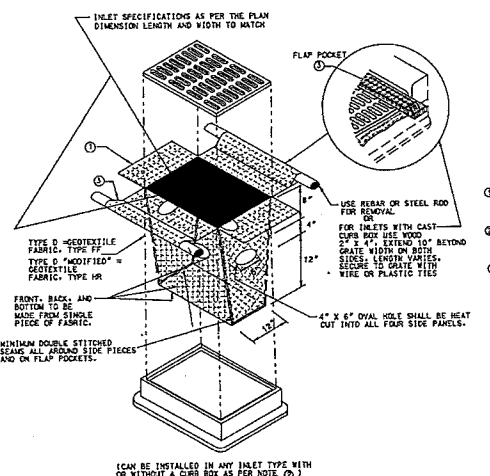
**2 EROSION MATTING**  
 N.T.S.



**GENERAL NOTES:**

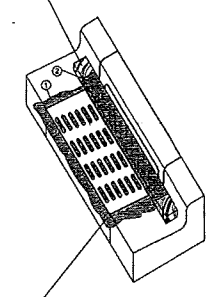
- CONSTRUCTION ENTRANCE TO BE INSTALLED PRIOR TO ANY TRAFFIC LEAVING THE SITE.
- THE AGGREGATE FOR THE CONSTRUCTION ENTRANCE SHALL BE 3/4 INCH CLEAR OR WASHED STONE.
- AGGREGATE SHALL BE PLACED IN A LAYER AT LEAST 12 INCHES THICK.
- THE CONSTRUCTION ENTRANCE SHALL BE UNDERLAIN WITH A WOOD TYPE HR OR FF GEOTEXTILE FABRIC TO PREVENT MIGRATION OF UNDERLYING SOIL INTO THE STONE.
- SURFACE WATERS MUST BE PREVENTED FROM PASSING THROUGH THE CONSTRUCTION ENTRANCE. FLOWS SHALL BE DIVERTED AWAY FROM THE CONSTRUCTION ENTRANCE OR CONVEYED UNDER AND AROUND THEM BY USE OF A CULVERT, DIVERSION BERM OR OTHER PRACTICES AS APPROVED BY THE CONSTRUCTION ENGINEER.
- CLEANING BY SCRAPING OR ADDING NEW STONE SHALL BE REQUIRED IF ENTRANCE BECOMES MORE THAN 50% COVERED BY TRACKED MUD.

**4 CONSTRUCTION ENTRANCE**  
 N.T.S.



**GENERAL NOTES**  
 MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE CURRENT EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.  
 CLEANING SHALL BE REQUIRED WHEN SEDIMENT OR STANDING WATER IS WITHIN 6" OR OVERFLOW POCKETS OR AS DIRECTED BY THE CONSTRUCTION ENGINEER.  
 WORK REMOVING OR MAINTAINING INLET PROTECTION. CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.  
 THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE BETWEEN THE INLET HOLES AND THE BAG. MEASUREMENTS AT THE BOTTOM OF THE OVERFLOW HOLES SHALL BE MADE IMMEDIATELY THE CENTER OF SHALL CROSS THE BAG. STAPLE PLASTIC ZIP TIES TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.  
 1. TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.  
 2. FOR INLET PROTECTION WITH CURB BOX, AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.  
 3. FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

WOOD 2X4 EXTENDS 8" BEYOND GRATE WIDTH ON BOTH SIDES. LENGTH = 52" FOR 12" x 18" INLETS. 94" FOR 18" x 18" INLETS.



TYPE C = GEOTEXTILE FABRIC TYPE FF  
 TYPE C "MODIFIED" = GEOTEXTILE FABRIC TYPE HR

**3 INLET PROTECTION TYPE C, D**  
 N.T.S.

State of Wisconsin  
 Department of Administration  
 Division of Facilities Development



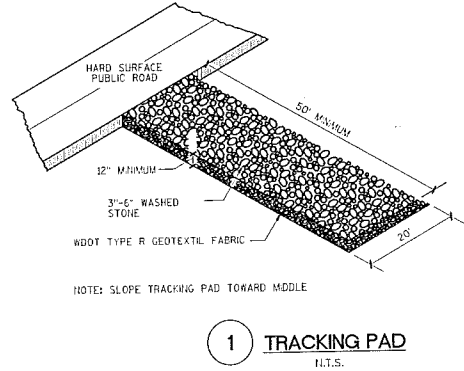
670 Highland Avenue  
 Madison, WI 53762

UW Hospital Ramp Expansion  
 University of Wisconsin - Madison  
 Madison, Wisconsin

Sheet Title:  
 SITE CONSTRUCTION DETAILS

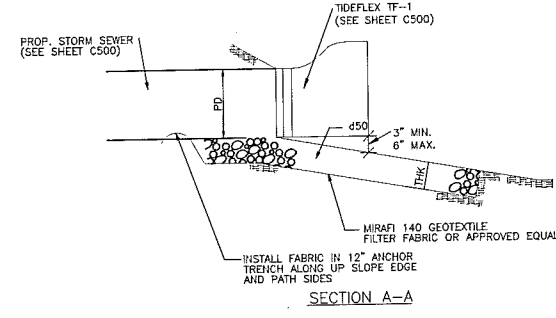
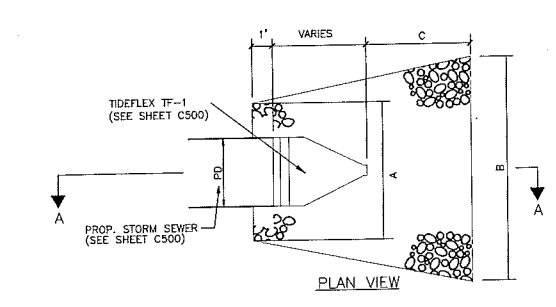
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No.	Date / Description:

Graphic Scale	
DFD Number	1281K
Set Type	PR
Date Issued	09/13/2013
Sheet Number	C900

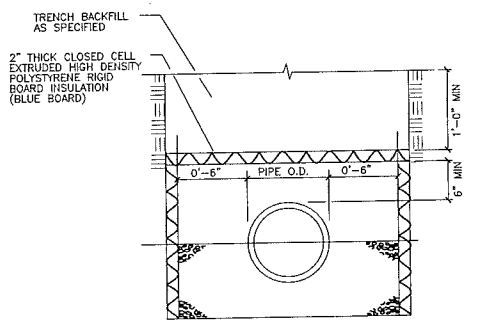


1 TRACKING PAD  
N.T.S.

Structure	FD (IN.)	A (FT.)	B (FT.)	C (FT.)	D <sub>80</sub> (IN.)	THK (FT.)
F.E.S. #1	30	2	5	4	6	2
F.E.S. #2	12	3	6	4	12	2
F.E.S. #3	12	3	6	4	6	2

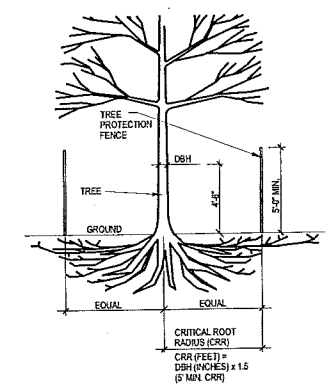


2 PROPOSED RIP RAP AT STORM SEWER OUTFALL  
N.T.S.

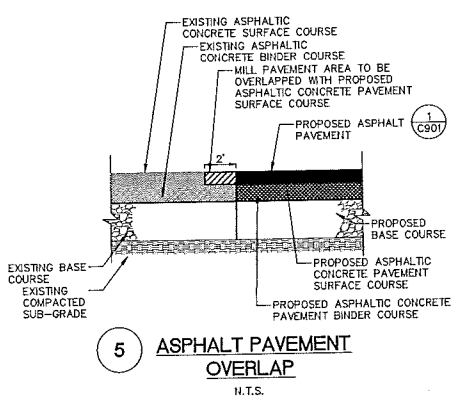


3 BOX INSULATION DETAIL  
N.T.S.  
PER DCOMM 382.30 (11)(C)(3)(B).

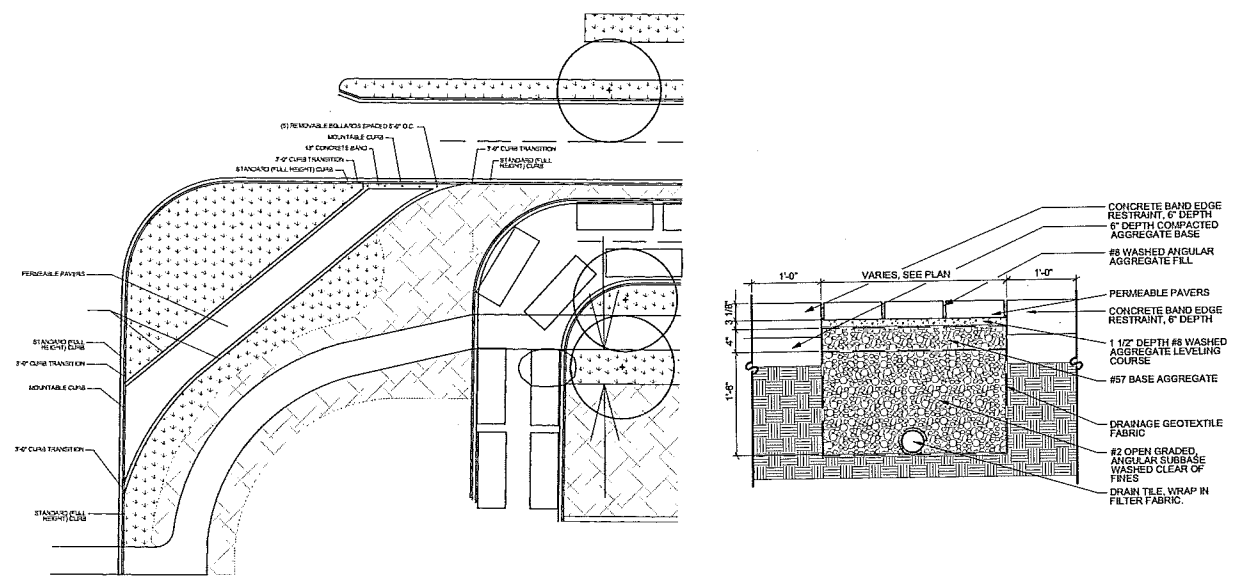
- NOTES:
1. ALL TREES SHOWN TO BE RETAINED WITHIN THE LIMITS OF CONSTRUCTION ON THE PLANS SHALL BE PROTECTED DURING CONSTRUCTION WITH FENCING.
  2. TREE PROTECTION FENCES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY SITE QUALIFICATION OR PREPARATION WORK (CLEARING, GRUBBING, OR GRADING) AND SHALL BE MAINTAINED THROUGHOUT ALL PHASES OF THE CONSTRUCTION PROJECT. NO CONSTRUCTION MATERIALS, EQUIPMENT, OR SUPPLIES MAY BE STORED IN THE TREE PROTECTION AREA NOR MAY ANY CONSTRUCTION MATERIALS BE DEPOSITED OR WITHIN THE TREE PROTECTION AREA.
  3. SEE SPEC SECTION 31 13 15 - SELECTIVE TREE AND SHRUB PROTECTION AND TRIMMING FOR MORE INFORMATION.
  4. TRUNK DIAMETER AT BREAST HEIGHT (DBH) MEASURED AT 4.5' ABOVE THE GROUND.
  5. TREE PROTECTION FENCE STAKES @ 8' O.C. MAX.
  6. PROTECT TREE CANOPIES FROM OVERHEAD DAMAGE.
  7. IF HEAVY EQUIPMENT MUST BE DRIVEN WITHIN FENCED AREA, WOODEN BRIDGING MUST BE PLACED UNDER TREES TO PREVENT COMPACTION AND ROOT DAMAGE.



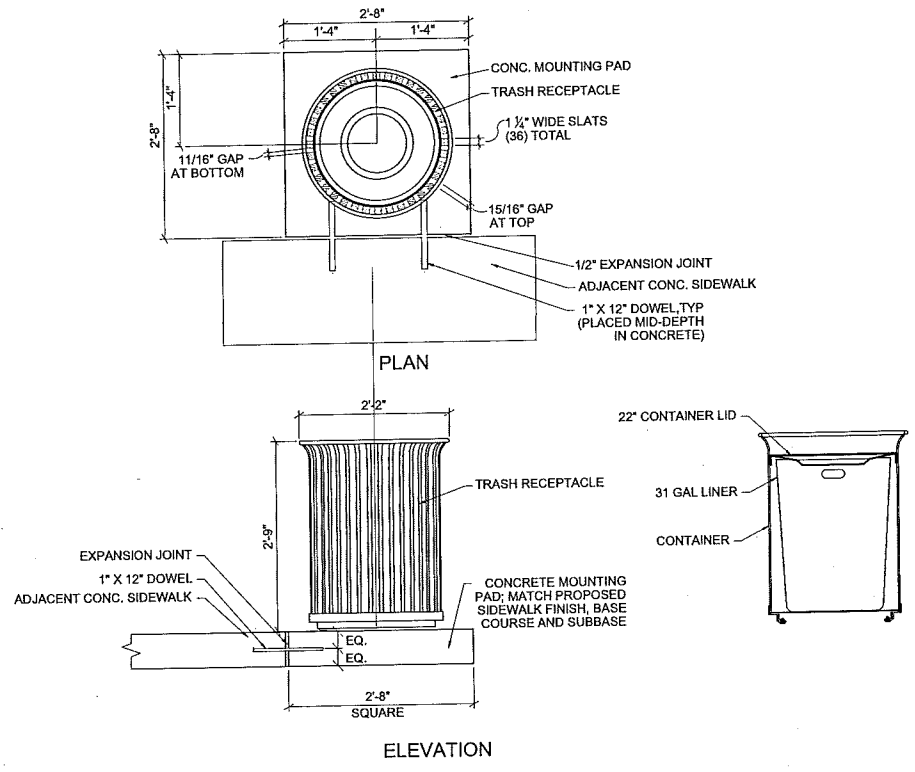
4 TREE PROTECTION  
N.T.S.



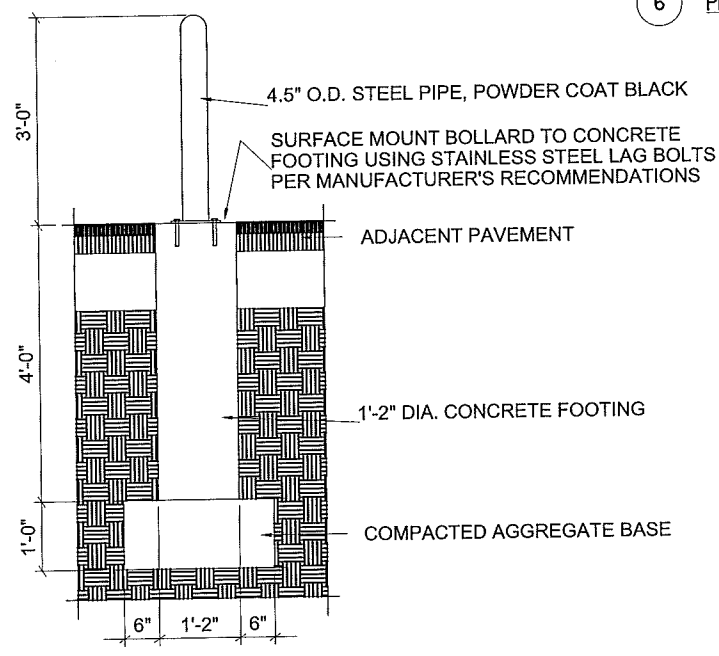
5 ASPHALT PAVEMENT OVERLAP  
N.T.S.



6 CRANE BYPASS LANE / PERMEABLE PAVER  
N.T.S.

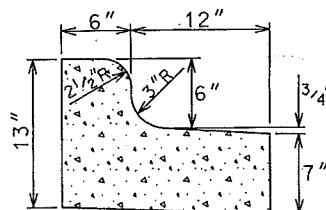


7 METAL TRASH RECEPTACLE  
N.T.S.

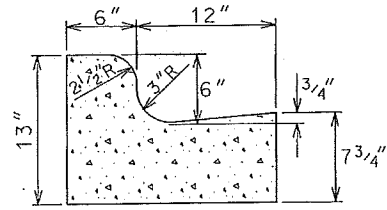


7 SECTION VIEW BOLLARD DETAIL  
N.T.S.

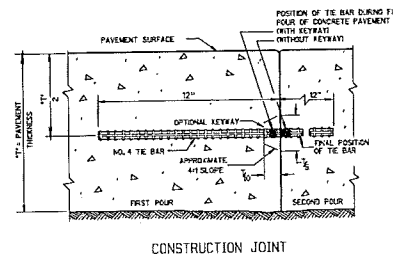
Consultant:



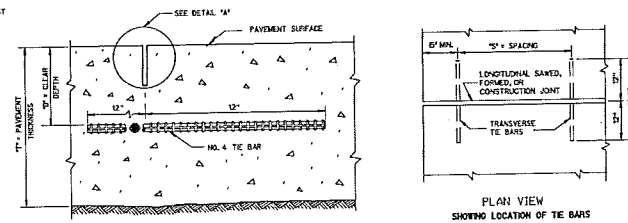
TYPE 'D' CONCRETE CURB & GUTTER



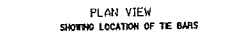
TYPE 'G' CONCRETE CURB & GUTTER



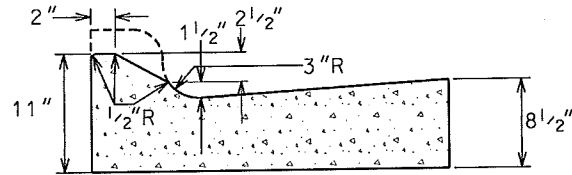
CONSTRUCTION JOINT



SAWED JOINT



PLAN VIEW SHOWING LOCATION OF TE BARS



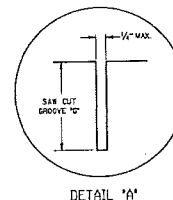
TYPE 'A' MOUNTABLE CONCRETE CURB & GUTTER (PAY AS TYPE 'A' CURB AND GUTTER)

**GENERAL NOTES:**

LATERAL CONTRACTION JOINTS SHALL BE PLACED AT INTERVALS OF NOT MORE THAN 15' NOR LESS THAN 6' IN LENGTH. THE JOINTS SHALL BE A MINIMUM OF 3" IN DEPTH.

EXPANSION JOINTS SHALL BE PLACED TRANSVERSELY AT RADIUS POINTS ON CURVES OF RADIUS 200' OR LESS, AND AT ANGLE POINTS, OR AS DIRECTED BY THE ENGINEER. THE EXPANSION JOINT SHALL BE A ONE PIECE ASPHALTIC MATERIAL HAVING THE SAME DIMENSIONS AS CURB & GUTTER AT THAT STATION AND BE 1/2" THICK.

IN ALL CASES, CONCRETE CURB & GUTTER SHALL BE PLACED ON THOROUGHLY COMPACTED CRUSHED STONE.



DETAIL 'A'

**GENERAL NOTES:**

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TE BARS & DOWEL BARS FOR ALL NEW CONSTRUCTION SHALL BE NORMAL TO THE CONCRETE ITEM, INCLUDING DRILLING INTO EXISTING CONCRETE PAVEMENT OR CURB & GUTTER.

LONGITUDINAL JOINTS SHALL NOT BE SEALED OR FILLED.

TE BAR SPACINGS ARE VALID ONLY FOR PAVEMENT WIDTHS IN THE TABLE. FOR WIDER PAVEMENTS, TWO CONCRETE SHOULDER OR RAMPS, THE TE BAR SPACINGS SHALL BE AS SHOWN ON THE PLANS.

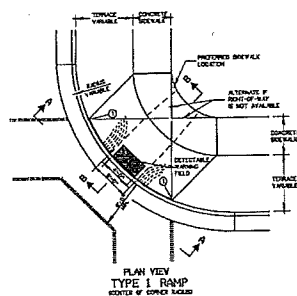
ANCHOR TE BARS INTO DRILLED HOLES WITH AN EPOXY.

2 SAWED JOINT

N.T.S.

1 CONCRETE CURB AND GUTTER

N.T.S.



PLAN VIEW TYPE 1 RAMP

NOTE: MATERIALS AND METHOD OF CONSTRUCTION FOR TRUNCATED DOMES SHALL BE SPECIFIED IN SPECIAL PROVISIONS OR AS REQUIRED BY THE CITY ENGINEER.

**GENERAL NOTES:**

TYPE 2-A RAMP SHALL BE USED IN NEW DEVELOPMENTS UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

RAHS SHALL BE RAMP AT CURB OR FLATTO. WHEN NECESSARY, THE SLOPE/ELEVATION MAY BE ADJUSTED TO MEET THE RAMP ON THE RAMP.

DETACHABLE SPREADING FELD SHALL BE REINFORCED AND TIED BY THE SOLUBLE FOOT AS TYPE RAMP DETACHABLE SPREADING FELD.

CURB RAMP DETACHABLE SPREADING FELD MATERIALS AND DETAILS SHALL BE APPROVED BY THE CITY ENGINEER. THE COLOR OF THE DETACHABLE SPREADING FELD SHALL BE WHITE YELLOW OR APPROVED COLOR AND IS INDICATED TO THE RAMP BY YOUR RAMP DETACHABLE SPREADING FELD.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY CORSE BROOMING IMMEDIATELY TO THE SURFACE OF THE RAMP.

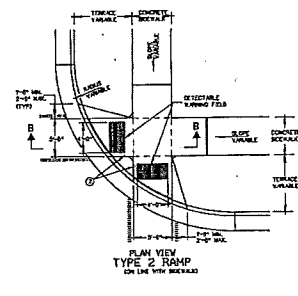
THE DETACHABLE SPREADING SURFACE SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE IS 2 FEET MINIMUM AND 6 INCHES MINIMUM FROM THE CURB LINE.

THE FRONT IS AN EXTENSION OF OUTSIDE EDGE OF APPROXIMATELY 6 INCHES WHERE IT MEETS THE SIDE OF CONCRETE CURB.

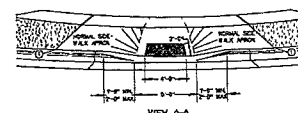
WHEN THIS DISTANCE IS LESS THAN 6 INCHES IT SHALL BE DIFFICULT TO ADJUST A RAMP BLOCK, OR FLATTEN IN THE RAMP BLOCKS OVER HOLES TO MAKE THEM FLAT TO MAKE CURB RAMP.

3 CURB AND SIDEWALK RAMPS

N.T.S.

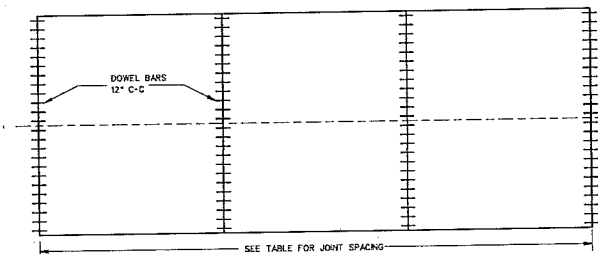


PLAN VIEW TYPE 2 RAMP ON CURB



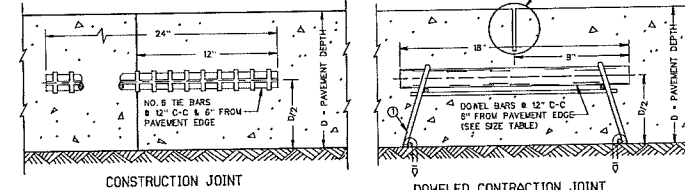
VIEW A-A

- LEGEND**
- EXPANSION JOINT SEAM
  - CONTRACTION JOINT FIELD LOCATED
  - ==== PAVEMENT MARKING WHITE 6-INCH
  - ALTERNATIVE LAYOUT



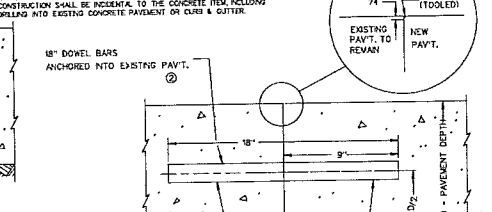
CONTRACTION JOINT LOCATIONS

**GENERAL NOTES:**  
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.  
CONTRACTION JOINTS: UNLESS OTHERWISE SPECIFIED, CONTRACTION JOINTS SHALL BE NORMAL TO THE CENTERLINE. THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.  
CONTRACTION JOINTS SHALL NOT BE SEALED OR FILLED.  
DOWEL BARS SHALL BE INSTALLED PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.  
FOR PAVEMENT SLABS OF VARYING WIDTHS, CENTER THE DOWEL ASSEMBLY ACROSS THE LANE. LOCATE THE INNER AND OUTER MOST DOWEL BARS SO THAT THE CENTER OF THE BARS ARE A MINIMUM OF 6 INCHES AND A MAXIMUM OF 12 INCHES FROM THE LONGITUDINAL JOINT AND THE EDGE OF PAVEMENT.  
CONSTRUCTION JOINTS: CONTRACTION JOINTS SHALL BE A MINIMUM OF 4 FEET FROM THE NEAREST CONTRACTION JOINT AND ALLOWED EITHER PARALLEL TO CONTRACTION JOINTS OR AT 90° TO THE CENTERLINE. TE BARS MAY BE INSERTED THROUGH THE HEADER BOARD AFTER THE CONCRETE HAS BEEN PLACED.  
ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY MAY BE USED WHEN APPROVED BY THE ENGINEER. MECHANICAL DOWEL BAR IMPLANTERS MAY BE USED INSTEAD OF DOWEL ASSEMBLIES.  
DOWEL BARS SHALL BE ANCHORED INTO DRILL HOLES WITH AN APPROVED EPOXY GROUT.  
APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF THE DOWEL BARS TO PREVENT RUSTING.  
DOWEL BARS INSTALLED BY DRILLING SHALL BE SPACED 1-3" ON CENTER. THE GROUPING OF DOWEL BARS SHALL BE CENTERED ACROSS THE SLAB BASED ON ALL THE FOLLOWING SITUATIONS:  
BETWEEN THE EDGES OF PAVEMENTS WITHOUT LONGITUDINAL JOINTS OR BETWEEN THE EDGE OF PAVEMENT AND NEAREST LONGITUDINAL JOINT OR BETWEEN TWO ADJACENT LONGITUDINAL JOINTS.  
GREASE BLAGETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT, TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.



CONSTRUCTION JOINT

DOWELED CONSTRUCTION JOINT



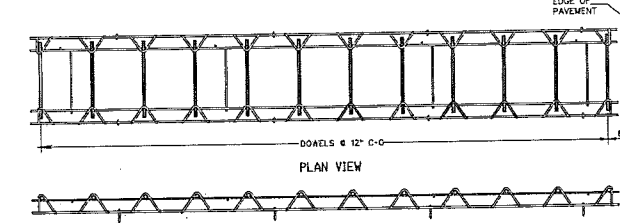
18" DOWEL BARS ANCHORED INTO EXISTING PAVT.

18" DRILL HOLE

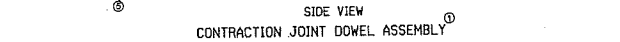
TRANSVERSE CONTRACTION JOINTS ABUTTING EXISTING PAVEMENT

DOWEL BAR DETAIL

NOTE THE CLEAR DISTANCE FROM THE EDGE OF PAVEMENT ON LONGITUDINAL JOINT TO THE NEAR EDGE OF DOWEL BAR NEAREST THAT EDGE OR JOINT SHALL BE A MINIMUM OF 6 INCHES AND A MAXIMUM OF 12 INCHES. THE BARS & DOWEL BARS FOR ALL NEW CONSTRUCTION SHALL BE INCORPORATED TO THE CONCRETE ITEM, INCLUDING DRILLING INTO EXISTING CONCRETE PAVEMENT OR CURB & GUTTER.



PLAN VIEW



SIDE VIEW CONTRACTION JOINT DOWEL ASSEMBLY

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
6" - 6 1/2"	1 1/2"	12'
7" - 7 1/2"	1 1/2"	14'
8" - 8 1/2"	1 1/2"	15'
9" - 9 1/2"	1 1/2"	15'
10" & ABOVE	1 1/2"	15'

4 DOWELED CONCRETE PAVEMENT

N.T.S.

State of Wisconsin  
Department of Administration  
Division of Facilities Development



610 Highland Avenue  
Madison, WI 53706

UW Hospital Ramp Expansion  
University of Wisconsin - Madison  
Madison, Wisconsin

Sheet Title:  
SITE CONSTRUCTION DETAILS

Revisions:

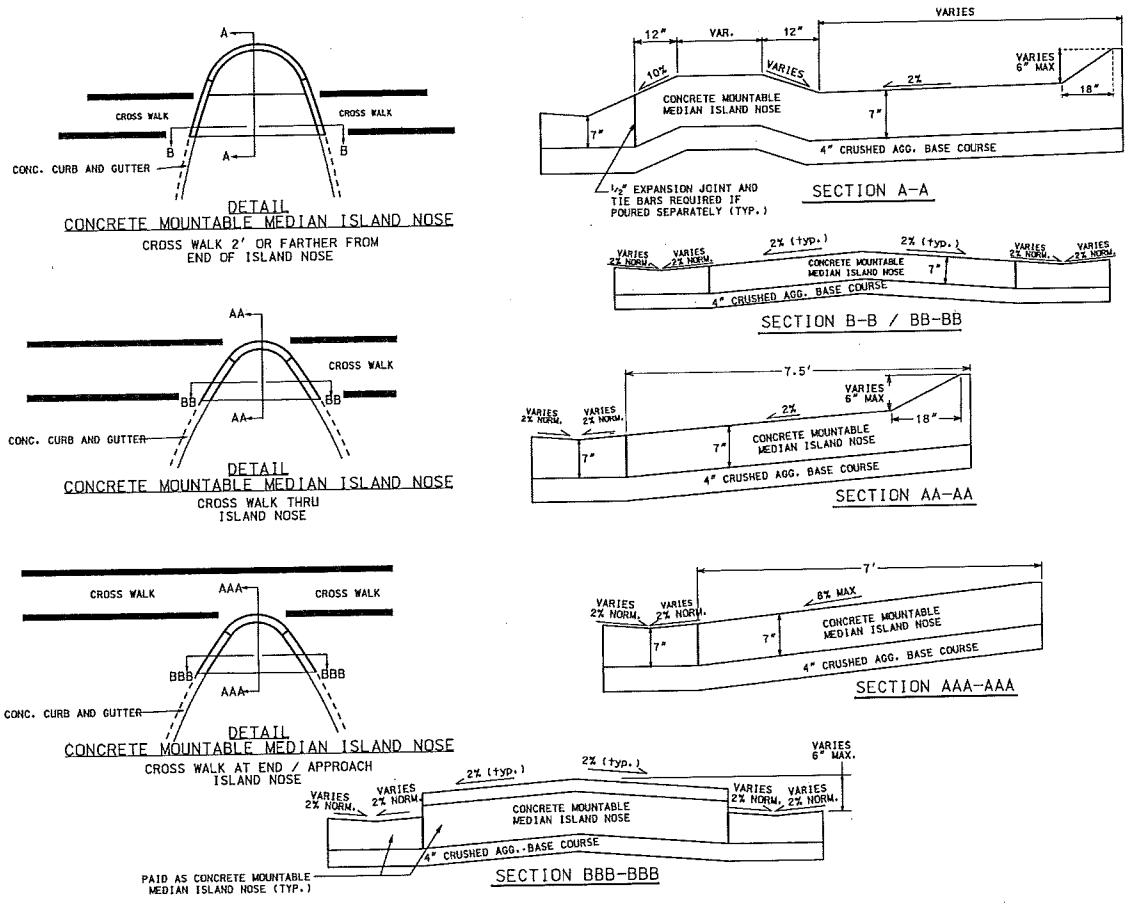
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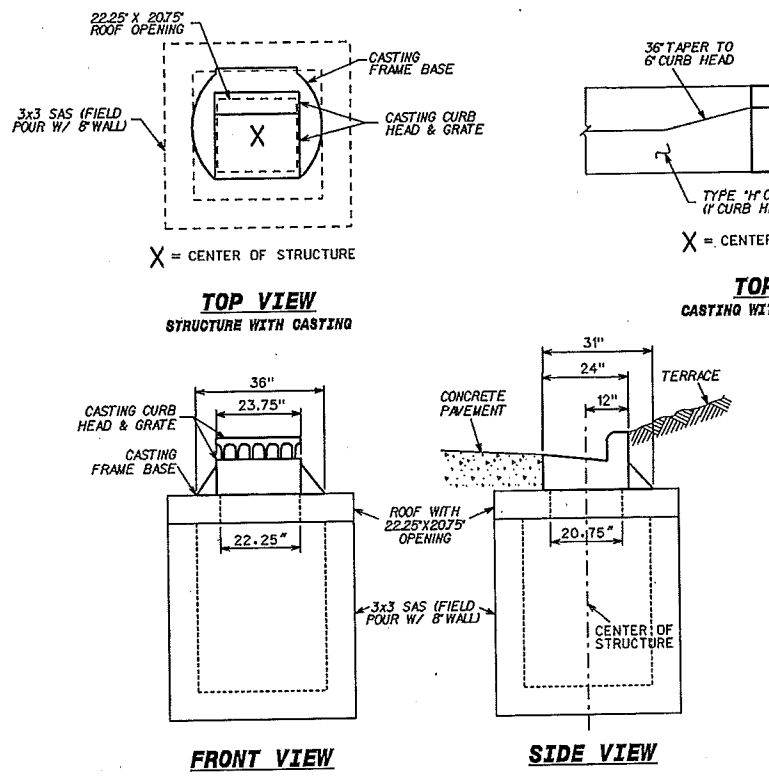
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DFD Number	1281K
Set Type	PR
Date Issued	09/13/2013
Sheet Number	C902

Revisions:		
No.	Date	Description

Graphic Scale	
DFD Number	1281K
Set Type	PR
Date Issued	09/13/2013
Sheet Number	C903



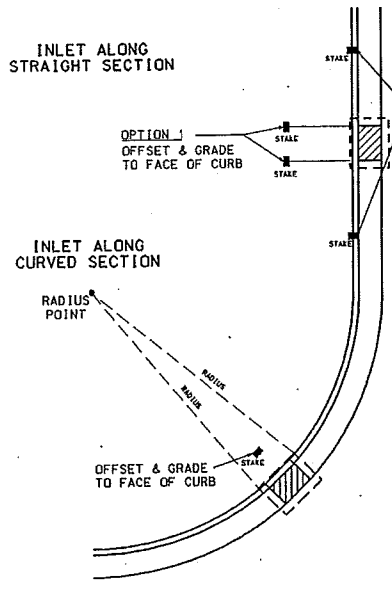
1 CONCRETE MOUNTABLE MEDIAN ISLAND NOSE  
 N.T.S.



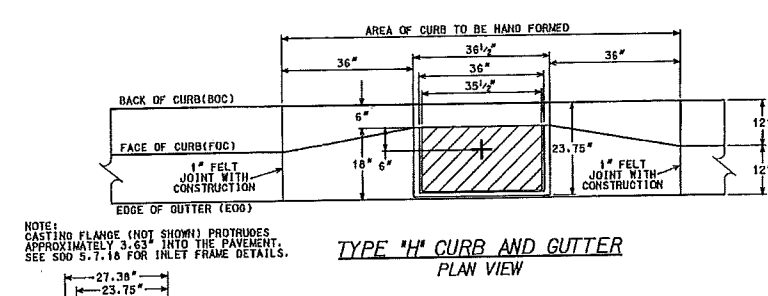
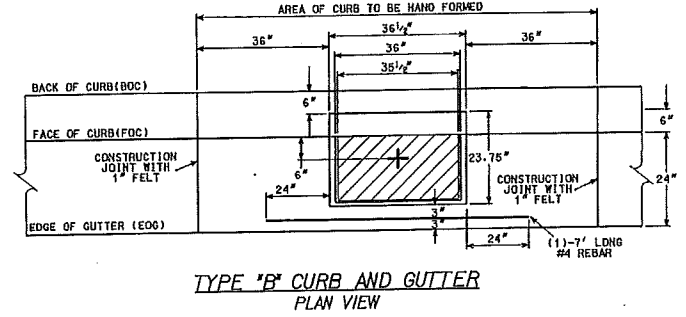
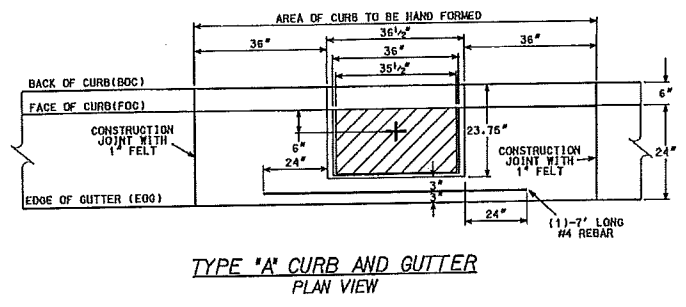
3 INLET IN TYPE 'H' CURB AND GUTTER WITH CONCRETE PAVEMENT  
 N.T.S.

- NOTES:
- (1) TYPE 'H' CURB & GUTTER TYPICALLY USED IN MEDIAN DESIGN & CONSTRUCTION.
  - (2) NEENAH CASTING NUMBERS:  
 INLETS AT LOW POINTS [R-3278-A]  
 INLETS ON GRADE [R-3278-AL]
  - (3) CONSTRUCT SEWER ACCESS STRUCTURE (SAS) PER STANDARD DETAIL DRAWING 5.4.11
  - (4) CONSTRUCT CURB TAPER PER STANDARD DETAIL DRAWING 5.7.27

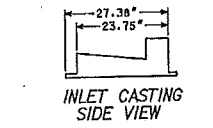
TYPE 'A' CURB



2 CONSTRUCTION STORM STAKING LAYOUT  
 N.T.S.



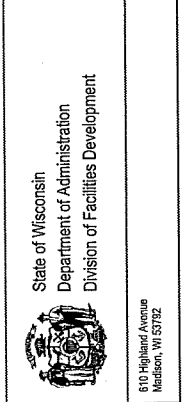
NOTE:  
 CASTING FLANGE (NOT SHOWN) PROTRUDES APPROXIMATELY 3.53" INTO THE PAVEMENT. SEE SDG 5.7.1b FOR INLET FRAME DETAILS.



4 H INLET LOCATIONS IN DIFFERENT CURB TYPES  
 N.T.S.

Consultant:

State of Wisconsin  
 Department of Administration  
 Division of Facilities Development



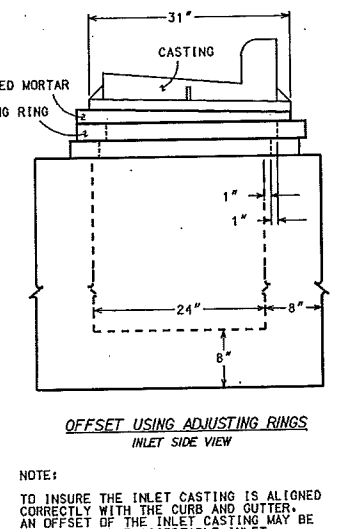
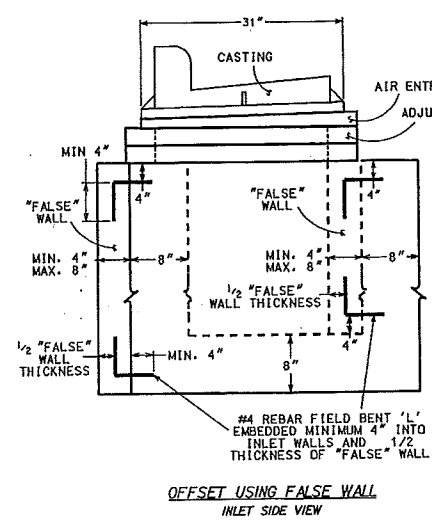
UW Hospital Ramp Expansion  
 University of Wisconsin - Madison  
 Madison, Wisconsin

Revisions:

No.	Date	Description

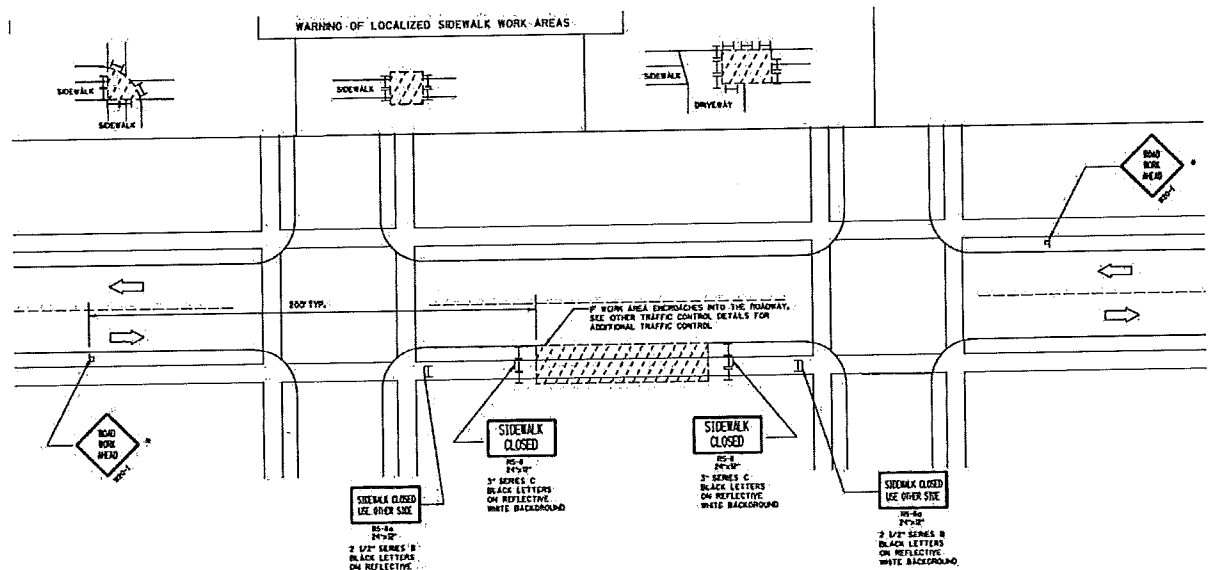
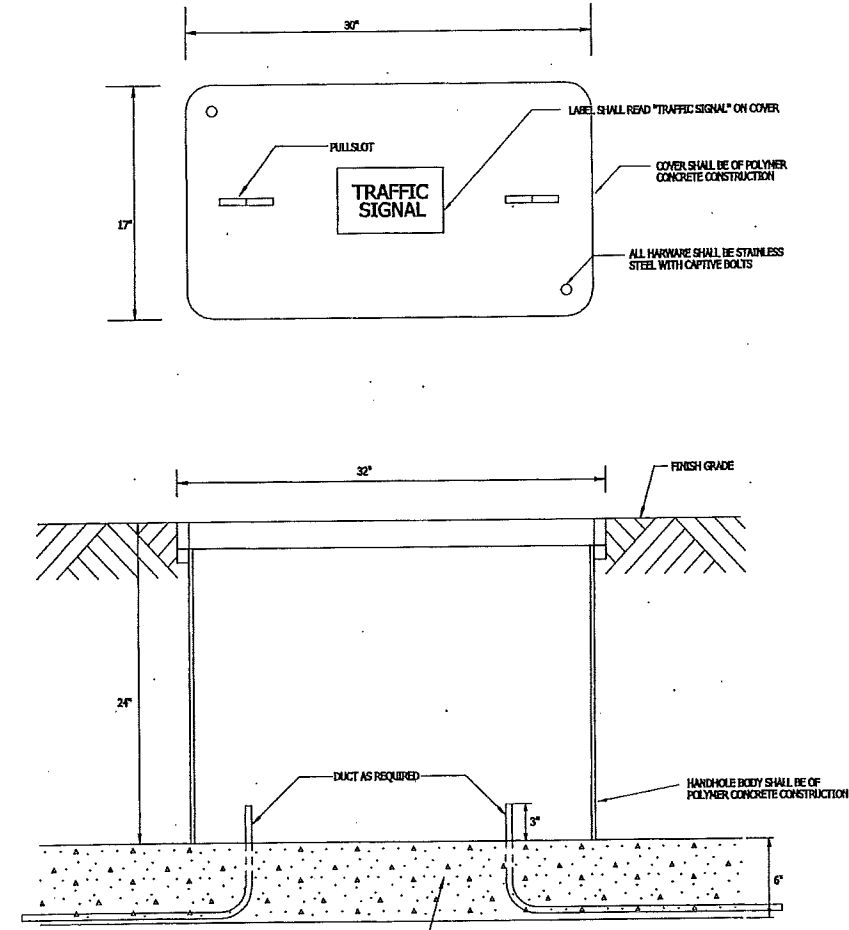
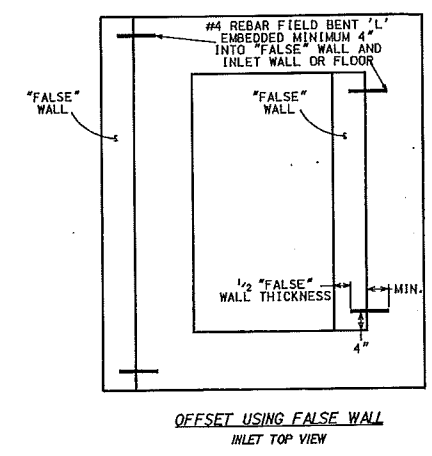
Graphic Scale

DFD Number	1281K
Set Type	PR
Date Issued	09/13/2013
Sheet Number	C904



**NOTE:**  
 TO INSURE THE INLET CASTING IS ALIGNED CORRECTLY WITH THE CURB AND GUTTER, AN OFFSET OF THE INLET CASTING MAY BE REQUIRED. THE ACCEPTABLE INLET CASTING OFFSETS ARE SHOWN AND THE GUIDELINES ARE AS FOLLOWS:

- (1) IF THE ADJUSTMENT REQUIRED IS LESS THAN TWO (2) INCHES, THIS CAN BE OBTAINED BY TWO ONE (1) INCH SHIFTS OF THE ADJUSTING RINGS A MAXIMUM OF ONE (1) INCH EACH AND/OR A ONE (1) INCH SHIFT OF THE CASTING.
- (2) IF THE ADJUSTMENT REQUIRED IS GREATER THAN TWO (2) INCHES AND LESS THAN FOUR (4) INCHES, THE INLET CASTING OFFSET SHALL BE OBTAINED BY THE CONSTRUCTION OF ONE FOUR (4) INCH THICK "FALSE" WALL ADJACENT TO THE INLET WALL THAT PROVIDES FULL SUPPORT OF THE CASTING. THE PLACEMENT AND ANCHORING SHALL BE CONSTRUCTED IN THE MANNER SHOWN.
- (3) IF THE ADJUSTMENT REQUIRED IS GREATER THAN FOUR (4) INCHES AND LESS THAN EIGHT (8) INCHES, THE INLET CASTING OFFSET SHALL BE OBTAINED BY THE CONSTRUCTION OF TWO FALSE WALLS WITH EQUAL WALL THICKNESSES VARYING FROM FOUR (4) TO EIGHT (8) INCHES DEPENDING ON THE OFFSET REQUIRED. THE PLACEMENT AND ANCHORING SHALL BE CONSTRUCTED IN THE MANNER SHOWN.
- (4) IF THE ADJUSTMENT REQUIRED IS GREATER THAN EIGHT (8) INCHES, THE INLET SHALL BE REPOSITIONED OR RECONSTRUCTED TO REDUCE THE OFFSET.



**GENERAL NOTES - 1:**  
 ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"X36" SIGNS MAY BE USED INSTEAD OF 48"X48" SIGNS. IF APPROVED BY DISTRICT TRAFFIC UNIT.  
 THE EXACT LOCATION AND PLACEMENT OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.  
 \*TOP SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.  
 \*\*ROAD WORK AHEAD SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.  
 WARNING SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND HIGHWAYS MAY BE MOUNTED ON PORTABLE SUPPORTS.

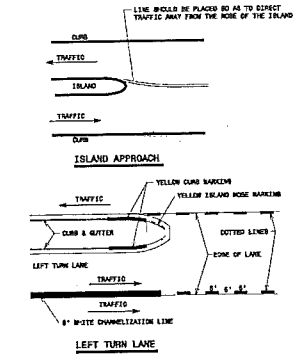
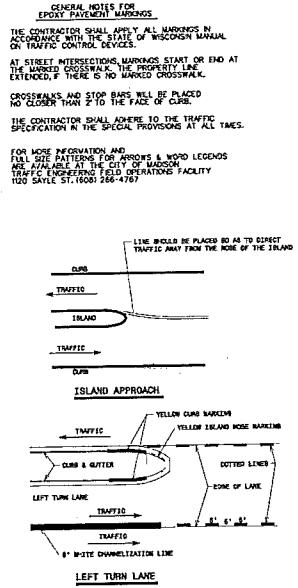
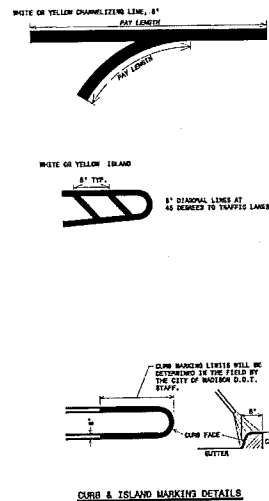
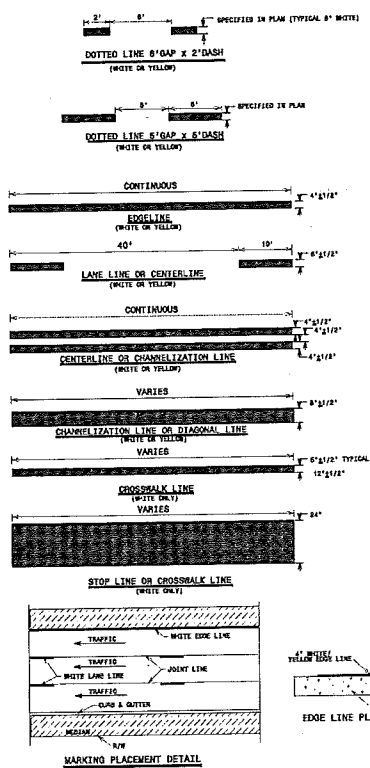
**LEGEND**

P	POST MOUNTED SIGN
U/I	TYPE II BARRICADE WITH/WITHOUT SIGN WALL WITH ONE WARNING LIGHT, TYPE 4, LOW-INTENSITY FLASHING
[Hatched Box]	WORK AREA
[Arrow]	DIRECTION OF TRAFFIC FLOW

REFERENCED FROM:  
 STATE OF WISCONSIN  
 SDD 15 D 30-1

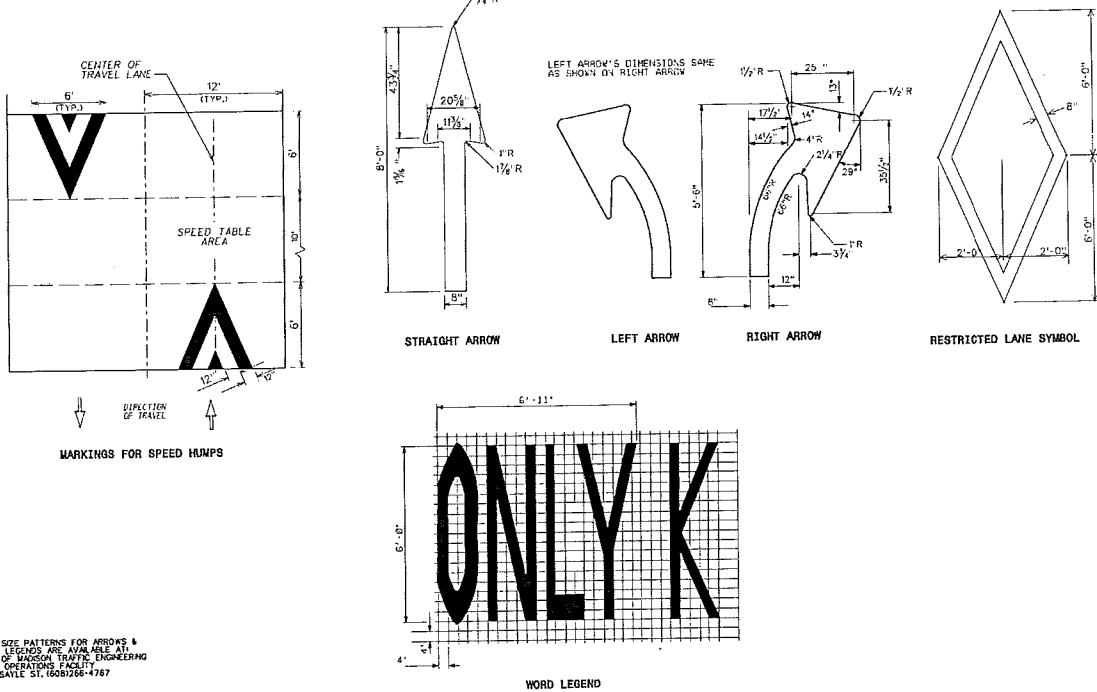


PERMANENT PAVEMENT MARKINGS



1 PAVEMENT MARKING DETAILS 1 N.T.S.

RESTRICTED TRAFFIC LANE MARKING DETAILS

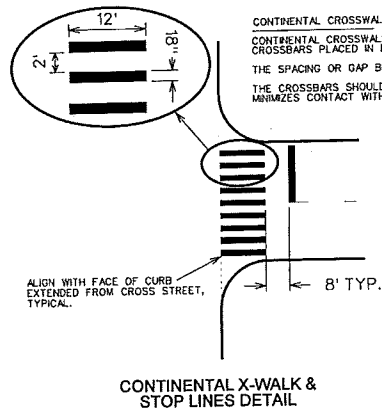
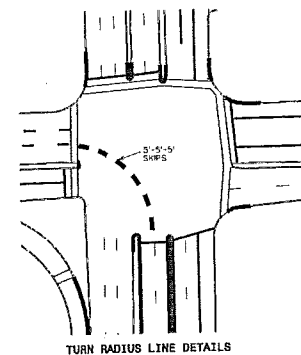
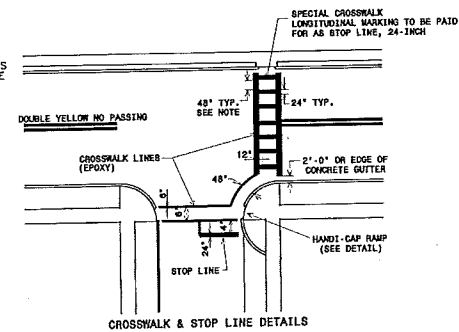


FULL SIZE PATTERNS FOR ARROWS & WORD LEGENDS ARE AVAILABLE AT: CITY OF MADISON TRAFFIC ENGINEERING FIELD OPERATIONS FACILITY, 100 SAYLE ST., 16081266-4767

3 PAVEMENT MARKING DETAILS 3 N.T.S.

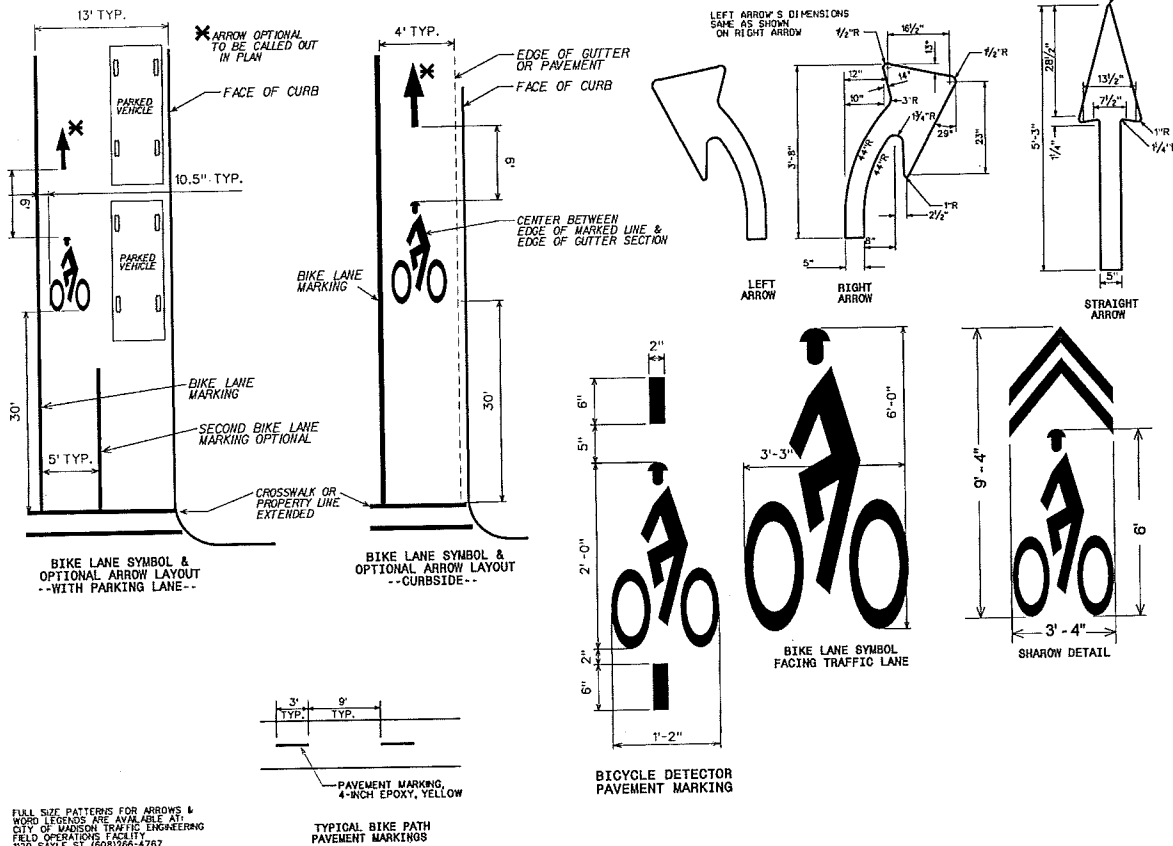
SPECIAL CROSSWALKS

SPECIAL CROSSWALKS HAVE TWO(2) 12-INCH WIDE LINES PLACED ACROSS THE TRAFFIC FLOW AND 24-INCH WIDE CROSSBARS IN LINE WITH THE TRAFFIC FLOW.  
 THE SPACING OR GAP BETWEEN THE CROSSBARS IS DETERMINED IN THE FIELD AND VARIES BETWEEN 24 TO 48 INCHES SO THAT NO CROSSBAR IS PLACED IN THE MAIN WHEEL TRACK AREA.  
 TYPICALLY, A CROSSBAR IS CENTERED ON THE CENTERLINE. ANOTHER CROSSBAR IS CENTERED BETWEEN THE WHEEL TRACKS AND ANOTHER CROSSBAR IS PLACED BETWEEN THE OUTSIDE WHEEL TRACK AND THE EDGE OF GUTTER OR PAVEMENT. IN NO CASE SHALL THE CROSSBAR BE PLACED IN OR NEXT TO THE GUTTER SECTION.



2 PAVEMENT MARKING DETAILS 2 N.T.S.

BIKE LANE MARKING DETAILS



FULL SIZE PATTERNS FOR ARROWS & WORD LEGENDS ARE AVAILABLE AT: CITY OF MADISON TRAFFIC ENGINEERING FIELD OPERATIONS FACILITY, 100 SAYLE ST., 16081266-4767

4 PAVEMENT MARKING DETAILS 4 N.T.S.



One Honey Creek Corporate Center  
 125 South 84th Street, Suite 401  
 Milwaukee, WI 53214-1470  
 414 / 259 1500  
 414 / 259 0037 fax  
 www.graf-usa.com

Consultant:

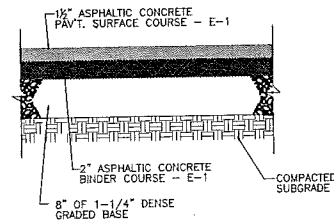
State of Wisconsin  
 Department of Administration  
 Division of Facilities Development  
 610 Highland Avenue  
 Madison, WI 53732

UW Hospital Ramp Expansion  
 University of Wisconsin - Madison  
 Madison, Wisconsin  
 Short Title: SITE CONSTRUCTION DETAILS

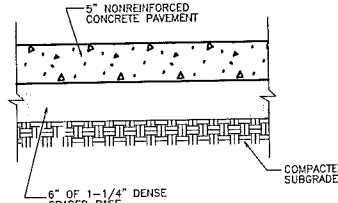
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No.	Date:	Description:

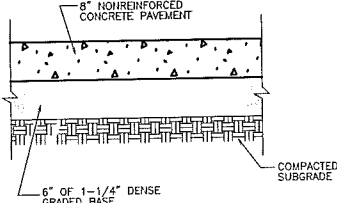
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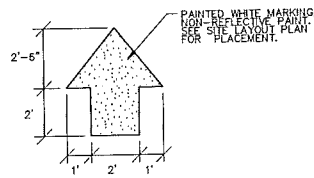
1 ASPHALT PAVING SECTION  
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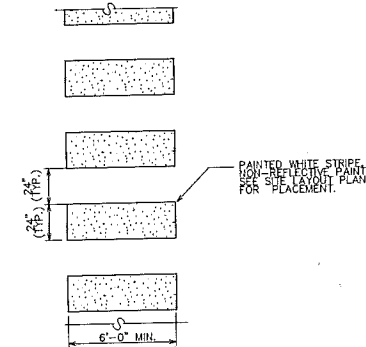
2 CONCRETE SIDEWALK  
N.T.S.



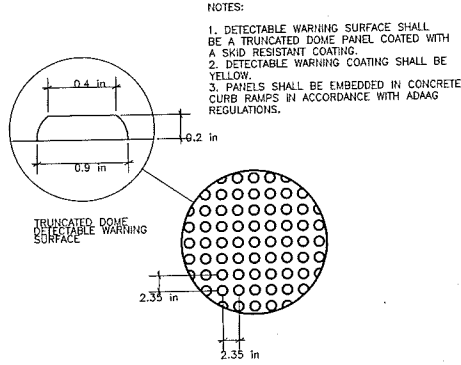
3 CONCRETE PAVEMENT  
N.T.S.



4 ARROW PAVEMENT MARKING  
N.T.S.



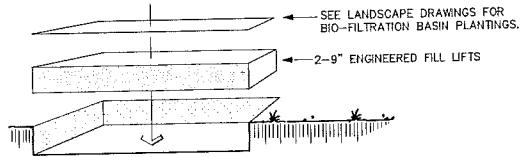
5 CROSSWALK PAVEMENT MARKING  
N.T.S.



6 DETECTABLE WARNING PATTERN  
N.T.S.

NOTES:

1. DETECTABLE WARNING SURFACE SHALL BE A TRUNCATED DOME PANEL COATED WITH A SKID RESISTANT COATING.
2. DETECTABLE WARNING COATING SHALL BE YELLOW.
3. PANELS SHALL BE EMBEDDED IN CONCRETE CURB RAMP IN ACCORDANCE WITH ADAAG REGULATIONS.



8 BIO-FILTRATION BASIN PLANTING  
N.T.S.

BIO-RETENTION NOTES:

ROOTSTOCK AND PLUGS SHALL BE USED IN ESTABLISHING TREES, SHRUBS AND HERBACEOUS PERENNIALS. SEED SHALL NOT BE USED TO ESTABLISH VEGETATION.

SHREDDED HARDWOOD MULCH OR CHIPS, AGED A MINIMUM OF 12 MONTHS, SHALL BE PLACED ON THE SURFACE OF THE BIORETENTION AREA. THE MULCH SHALL BE FREE OF FOREIGN MATERIAL, INCLUDING OTHER PLANT MATERIAL.

ENGINEERED SOIL COMPONENT	PERCENTAGE COMPOSITION (BY VOLUME)
SILICA SAND	55%
COMPOST	15%

THE SILICA SAND COMPONENT SHALL BE USDA COARSE SAND (0.02 TO 0.04 INCH DIAMETER), PRE-WASHED TO REMOVE CLAY AND SILT PARTICLES, AND WELL-DRAINED OR DRY PRIOR TO MIXING. SAND CONSISTING OF DOLOMITE OR CALCIUM CARBONATE MAY ALSO BE USED.

THE COMPOST COMPONENT SHALL MEET THE REQUIREMENTS OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES SPECIFICATION S100, COMPOST.

THE ENGINEERED SOIL MIX SHALL BE FREE OF ROCKS, STUMPS, ROOTS, BRUSH OR OTHER MATERIAL OVER 1 INCH IN DIAMETER. NO OTHER MATERIALS SHALL BE MIXED WITH THE PLANTING SOIL THAT MAY BE HARMFUL TO PLANT GROWTH OR PROVE A HINDRANCE TO PLANTING OR MAINTENANCE.

THE ENGINEERED SOIL MIX SHALL HAVE A PH BETWEEN 5.5 AND 6.5.

THE ENGINEERED SOIL MIX SHALL HAVE ADEQUATE NUTRIENT CONTENT TO MEET PLANT GROWTH REQUIREMENTS.

THE FOLLOWING REQUIREMENTS SHALL BE MET IN DESIGNING THE SAND OR GRAVEL STORAGE LAYER:

THE GRAVEL SHALL MEET THE COARSE AGGREGATE #2 AND OTHER SPECIFICATIONS OF WISCONSIN STANDARDS AND SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, SECTION 501.2.5, 2003 EDITION.

A LAYER OF SAND MAY BE USED IN LIEU OF GRAVEL TO FORM THE STORAGE LAYER. THE SAND SHALL BE WASHED QUARTZ OR SILICA SAND PARTICLES SHALL BE 0.02 TO 0.04 INCHES IN DIAMETER (USDA COARSE SAND). MANUFACTURED SAND OR STONE DUST IS NOT ALLOWED.

THE UNDERDRAIN PIPE SHALL BE PROTECTED WITH FILTER FABRIC. THE OPENINGS IN THE FABRIC SHALL BE SMALL ENOUGH TO PREVENT SAND PARTICLES FROM ENTERING THE UNDERDRAIN PIPE. THE FLOW RATE OF THE FABRIC SHALL BE CAPABLE OF PASSING WATER AT A RATE EQUAL TO OR GREATER THAN THE FLOW RATE CAPACITY OF THE TOTAL COMBINED PERFORATIONS IN THE UNDERDRAIN PIPE. THE FABRIC SHALL MEET THE OTHER REQUIREMENTS OF WISCONSIN STANDARDS AND SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, SECTION 612.2.6(1-3), 2003 EDITION, OR AN EQUIVALENT APPROVED BY THE CITY OF LACROSSE.

FILTER FABRIC SHALL COVER THE UNDERDRAIN PIPE AND SHALL NOT EXTEND LATERALLY FROM EITHER SIDE OF THE PIPE MORE THAN TWO FEET. THE FABRIC SHALL MEET THE SPECIFICATIONS OF WISCONSIN STANDARDS AND SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, SECTION 645.2.4, SCHEDULE TEST B, 2003 EDITION, OR AN EQUIVALENT APPROVED BY THE ADMINISTERING AUTHORITY.

A CLEAN OUT SHALL BE RIGID, NON-PERFORATED PVC PIPE, COVERED WITH A WATERTIGHT CAP THAT IS FLUSH WITH THE GROUND ELEVATION OF THE DEVICE.

IF THERE IS NO UNDERDRAIN, ONE OR MORE OBSERVATION WELLS SHALL BE INSTALLED TO MONITOR DRAINAGE FROM THE DEVICE. THE OBSERVATION WELL SHALL BE A MINIMUM 6-INCH DIAMETER SLOTTED PVC PIPE, ANCHORED VERTICALLY TO A FOOTPLATE AT THE BOTTOM OF THE BIORETENTION DEVICE. THE TOP OF THE PIPE SHALL BE HIGH ENOUGH TO PREVENT THE ENTRY OF WATER FOUNDED WITHIN THE INFILTRATION DEVICE. IT SHALL HAVE A SECURED ABOVEGROUND CAP.

CONSTRUCTION SITE RUNOFF FROM DISTURBED AREAS SHALL NOT BE ALLOWED TO ENTER THE BIORETENTION DEVICE. RUNOFF FROM PERVIOUS AREAS SHALL BE DIVERTED FROM THE DEVICE UNTIL THE PERVIOUS AREAS HAVE UNDERGONE FINAL STABILIZATION.

CONSTRUCTION SHALL BE SUSPENDED DURING PERIODS OF RAINFALL OR SNOWMELT. CONSTRUCTION SHALL REMAIN SUSPENDED IF POINDED WATER IS PRESENT OR IF RESIDUAL SOIL MOISTURE CONTRIBUTES SIGNIFICANTLY TO THE POTENTIAL FOR SOIL SMEARING, CLUMPING OR OTHER FORMS OF COMPACTION.

COMPACTION AND SMEARING OF THE SOILS BENEATH THE FLOOR AND SIDE SLOPES OF THE BIORETENTION AREA, AND COMPACTION OF THE SOILS USED FOR BACKFILL IN THE SOIL PLANTING BED, SHALL BE MINIMIZED. DURING SITE DEVELOPMENT, THE AREA DEDICATED TO THE BIORETENTION DEVICE SHALL BE CORDONED OFF TO PREVENT ACCESS BY HEAVY EQUIPMENT. ACCEPTABLE EQUIPMENT FOR CONSTRUCTING THE BIORETENTION DEVICE INCLUDES EXCAVATION HOES, LIGHT EQUIPMENT WITH TURF TYPE TIRES, MARSH EQUIPMENT OR WIDE-TRACK LOADERS.

IF COMPACTION OCCURS AT THE BASE OF THE BIORETENTION DEVICE, THE SOIL SHALL BE REFRACQUIRED TO A DEPTH OF AT LEAST 12 INCHES IF SMEARING OCCURS. THE SMEARED AREAS OF THE INTERFACE SHALL BE CORRECTED BY RAKING OR ROTO-TILLING.

PRIOR TO PLACEMENT IN THE BIORETENTION DEVICE, THE ENGINEERED SOIL SHALL BE PREMIXED AND THE MOISTURE CONTENT SHALL BE LOW ENOUGH TO PREVENT CLUMPING AND COMPACTION DURING PLACEMENT.

THE ENGINEERED SOIL SHALL BE PLACED IN MULTIPLE LIFTS, EACH APPROXIMATELY 12 INCHES IN DEPTH.

STEPS MAY BE TAKEN TO INDUCE MILD SETTLING OF THE ENGINEERED SOIL BED AS NEEDED TO PREPARE A STABLE PLANTING MEDIUM AND TO STABILIZE THE PONDING DEPTH. VIBRATING PLATE-STYLE COMPACTORS SHALL NOT BE USED TO INDUCE SETTLING.

THE ENTIRE SOIL PLANTING BED SHALL BE MULCHED PRIOR TO PLANTING VEGETATION TO HELP PREVENT COMPACTION OF THE PLANTING SOIL DURING THE PLANTING PROCESS. MULCH SHALL BE PUSHED ASIDE FOR THE PLACEMENT OF EACH PLANT.

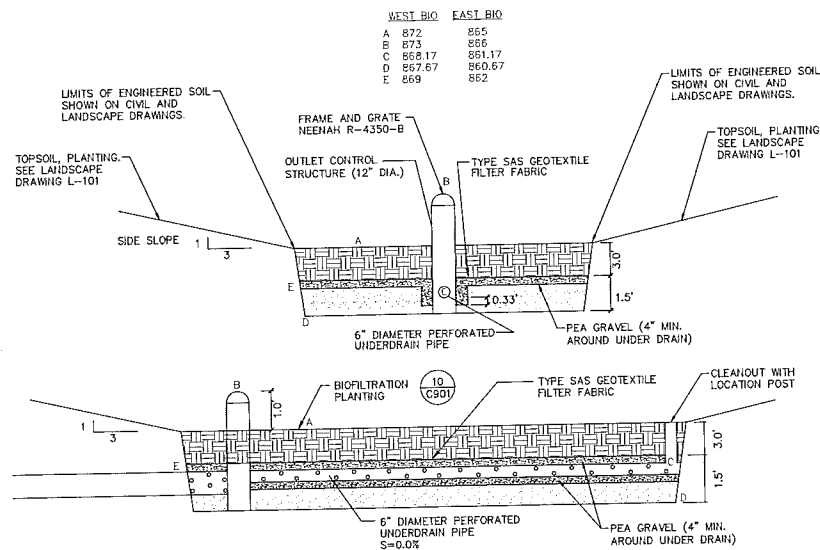
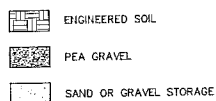
THIS INFILTRATION DEVICE IS NOT SUITABLE FOR TREATING CHLORIDES. CHLORIDE USE ON SOURCE AREAS TRIBUTARY TO THE BIORETENTION DEVICE CAN BE REDUCED OR ELIMINATED BY MINIMIZING THE AMOUNT OF COMPOUND USED, USING ALTERNATIVE DE-ICERS OR USING CLEAN SAND. AGGRESSIVE SWEEPING IN THESE AREAS, ALONG WITH PRETREATMENT SUMPS AND FILTER STRIPS, WILL REDUCE THE IMPACT OF THE SAND ON THE BIORETENTION DEVICE.

THE CONTRACTOR SHALL SUBMIT CERTIFICATIONS PRIOR TO USE FOR ALL MATERIALS THAT ARE TO BE INCORPORATED INTO THE PROJECT STATING COMPLIANCE WITH THE STANDARDS.

THE FOLLOWING MAINTENANCE IS REQUIRED BY THE OWNER:

- WATER PLANTS AS NECESSARY DURING FIRST GROWING SEASON.
- RE-MULCH VOID AREAS AS NEEDED.
- TREAT DISEASED TREES AND SHRUBS AS NEEDED.
- RE-MULCH VOID AREAS MONTHLY.
- REMOVE LITTER AND DEBRIS MONTHLY.
- ADD ADDITIONAL MULCH ONCE PER YEAR.

SOURCE: WISCONSIN DEPARTMENT OF NATURAL RESOURCES. STORM WATER MANAGEMENT TECHNICAL STANDARD 1004 - BIORETENTION FOR INFILTRATION 11/2010.



9 BIO-FILTRATION BASIN  
N.T.S., LOOKING SOUTH

Consultant:

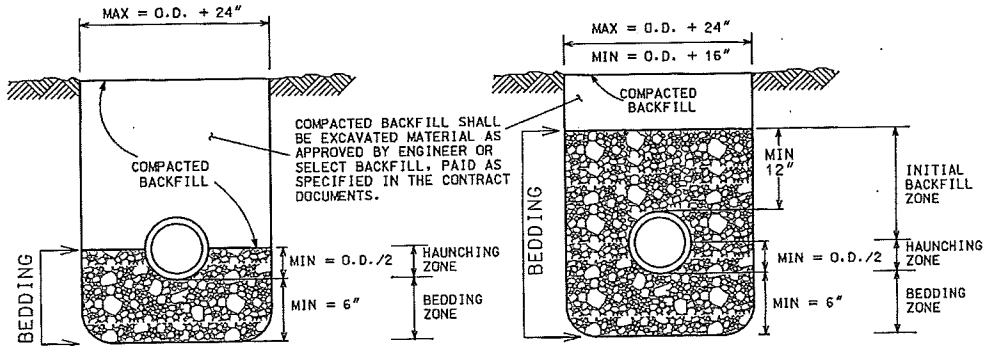
State of Wisconsin  
Department of Administration  
Division of Facilities Development

UW Hospital Ramp Expansion  
University of Wisconsin - Madison  
Madison, Wisconsin

Sheet Title: SITE CONSTRUCTION DETAILS

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WASHED GRAVEL OR CRUSHED STONE AS SPECIFIED IN SECTION 502.1 (d), BEDDING OF SEWER PIPES

**BEDDING FOR REINFORCED CONCRETE SEWER PIPES**

WASHED GRAVEL, CRUSHED STONE, SAND OR LIMESTONE SCREENINGS FOR PIPE SIZES 10\"/>

**BEDDING FOR SANITARY SEWER PIPES AS WELL AS METAL, ADS, AND PVC STORM PIPES**

NOTES:  
UNLESS OTHERWISE SPECIFIED, ALL SANITARY AND STORM SEWER PIPES, INCLUDING LATERALS AND LEADS, SHALL BE INSTALLED WITH THE TYPE OF BEDDING SHOWN FOR THE TYPE AND SIZE OF PIPE INSTALLED.

THE COSTS OF BEDDING SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE PIPE. FOR RCP, BEDDING INCLUDES THE HAUNCHING & BEDDING ZONES. FOR PLASTIC PIPES, THE BEDDING INCLUDES THE HAUNCHING, BEDDING & INITIAL BACKFILL ZONES. THE BEDDING SHALL BE INSTALLED & COMPACTED IN 6\"/>

ALL TRENCHES SHALL BE HAND BACKFILLED TO A POINT 12\"/>

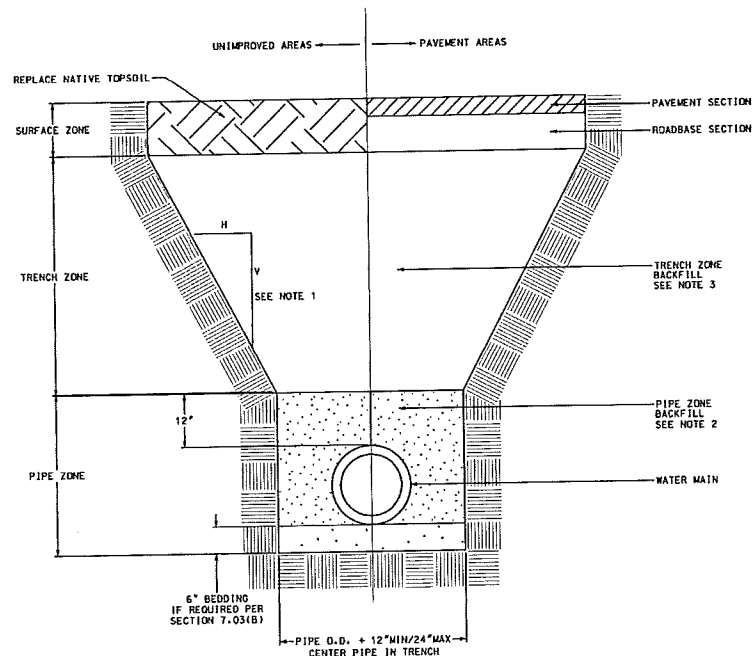
PAYMENT SHALL NOT BE MADE FOR BACKFILL WITH EXCAVATED MATERIAL, IF APPROVED. SELECT FILL, IF REQUIRED, SHALL BE PAID PER CONTRACT.

THE MAXIMUM ALLOWABLE TRENCH WIDTH SHALL BE O.D. + 24\"/>

O.D. EQUALS THE OUTSIDE DIAMETER OF THE PIPE.

**1 CLASS 'C' BEDDING DETAIL FOR STORM SEWER**  
N.T.S.

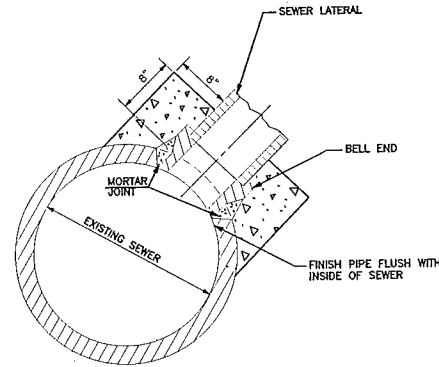
**2 CLASS 'B' BEDDING DETAIL FOR SANITARY SEWER**  
N.T.S.



NOTES:

- ALL EXCAVATION SHALL BE IN ACCORDANCE WITH THE WISCONSIN ADMINISTRATIVE CODE FOR "TRENCH EXCAVATION, AND TUNNEL CONSTRUCTION" AND ANY ADDITIONAL REQUIREMENTS INCLUDED IN THE CONTRACT DOCUMENTS.
- BACKFILL OPERATIONS SHALL COMPLY WITH SECTION 703.8 AND SUBSECTION 202.2(B). THE PIPE ZONE SHALL CONSIST OF SELECT FILL SAND, LIMESTONE SCREENINGS, WASHED OR CLEAR STONE, GRAVEL OR CRUSHED STONE.
- BACKFILL OPERATIONS FOR THE TRENCH ZONE SHALL COMPLY WITH SECTION 703.11.
- COMPACTION REQUIREMENTS:  
PIPE ZONE: COMPACT BEDDING MATERIAL USING A HAND OPERATED MECHANICAL COMPACTOR. FROM 2' OVER PIPE TO 3' BELOW SUBGRADE: MINIMUM OF 90% OF MAX DENSITY. WITHIN 3' OF BOTTOM OF SUBGRADE: MINIMUM OF 95% OF MAX DENSITY

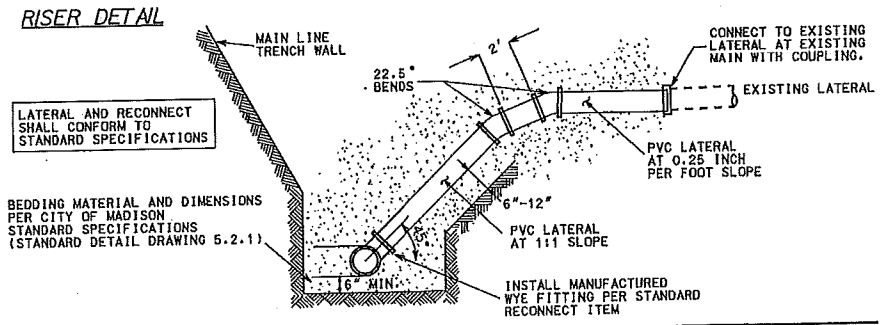
**5 WATER MAIN TRENCH DETAIL**  
N.T.S.



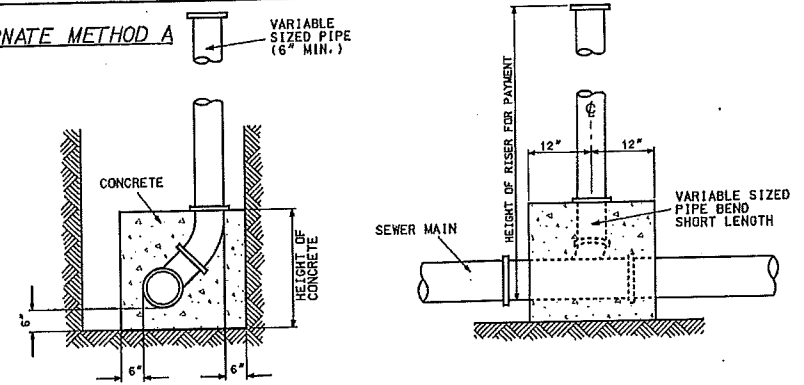
GENERAL NOTES:

- CORED CONNECTIONS - CORING SHALL BE UNDERSTOOD TO MEAN CUTTING A CIRCULAR HOLE INTO THE MAIN SEWER USING A MECHANICALLY-POWERED HOLLOW CYLINDRICAL BIT. THE FITTING AND ITS METHOD OF ATTACHMENT TO THE MAIN SEWER SHALL BE APPROVED BY THE CITY OF MONMOUTH.
- ALL ADHESIVES USED SHALL BE COMPATIBLE TO THE PIPE MATERIAL.
- CORED CONNECTIONS SHALL BE CORED IN THE UPPER QUADRANT AT AN ANGLE 45 DEGREES WITH THE HORIZONTAL.
- SEE DETAIL C902 FOR ADDITIONAL RISER INFORMATION

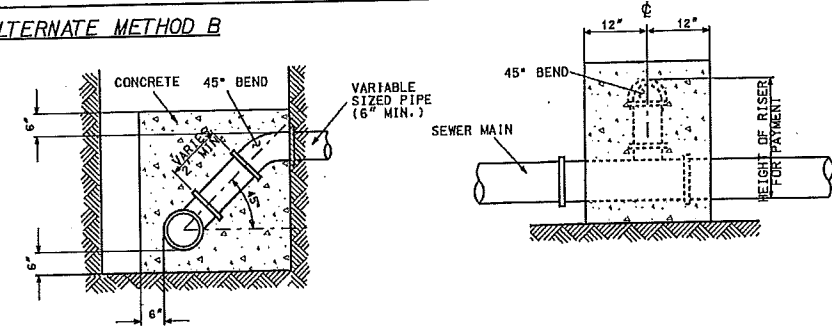
**3 CORED SEWER CONNECTION**  
N.T.S.



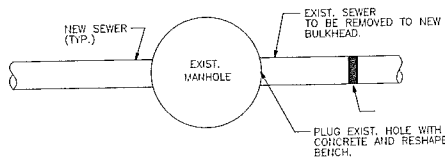
**ALTERNATE METHOD A**



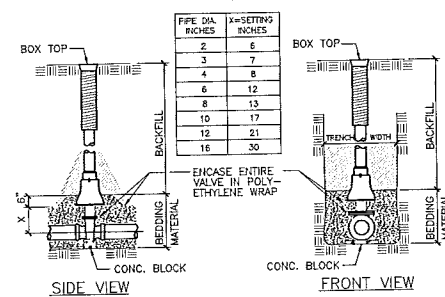
**ALTERNATE METHOD B**



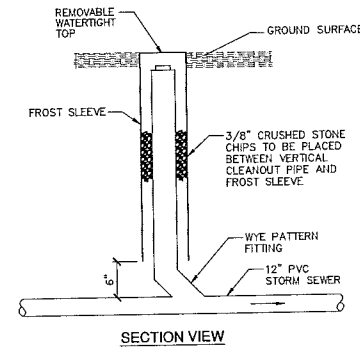
**4 RISER DETAIL**  
N.T.S.



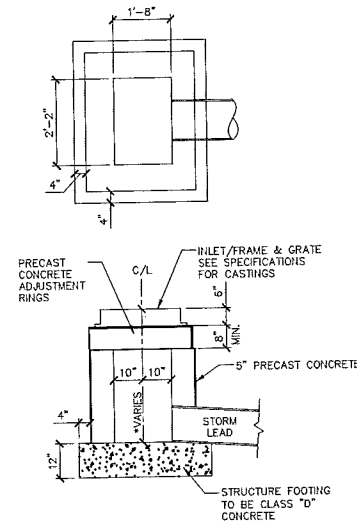
**41 BULKHEAD DETAIL**  
N.T.S.



**6 STANDARD GATE VALVE BOX SETTING**  
N.T.S.



**7 CLEANOUT DETAIL**  
N.T.S.



**8 STANDARD INLET**  
N.T.S.

Consultant:

State of Wisconsin  
Department of Administration  
Division of Facilities Development

810 Highland Avenue  
Madison, WI 53726

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SITE CONSTRUCTION DETAILS

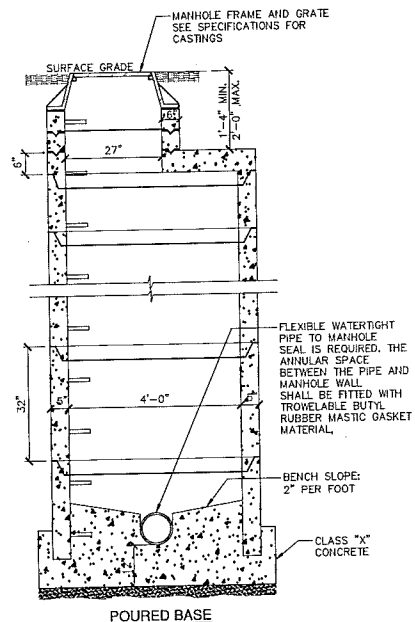
UW Hospital Ramp Expansion  
University of Wisconsin - Madison  
Madison, Wisconsin

Revisions:

No.	Date:	Description:

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Sheet Number	C907

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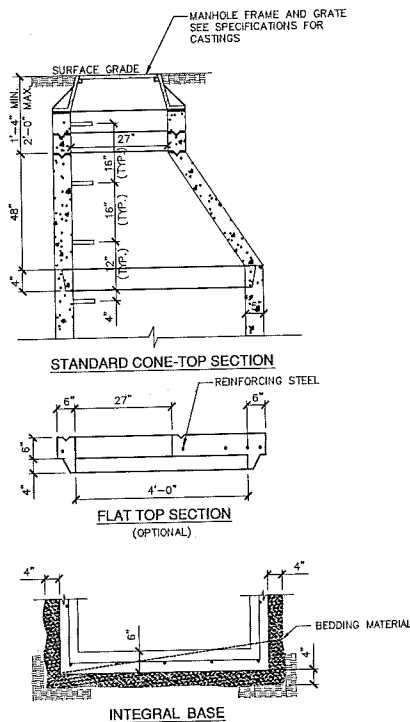


POURED BASE

**GENERAL NOTES**

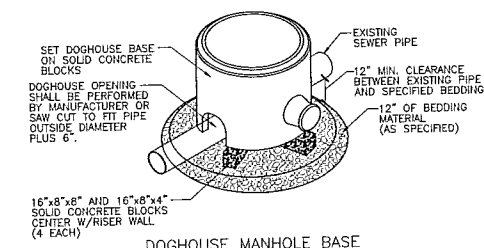
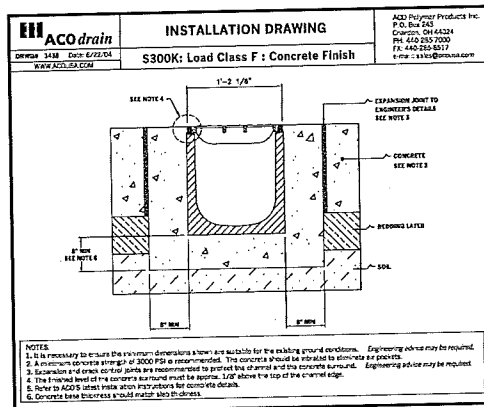
FLAT TOP SLAB MAY BE USED FOR 5'-0" AND 6'-0" DIA. MANHOLES.  
PRECAST CONCRETE ADJUSTING RINGS TO BE REINFORCED WITH ONE LINE OF STEEL CENTERED WITHIN THE RING. WHERE NECESSARY RINGS SHALL BE GROOVED TO RECEIVE STEP.  
CONCRETE AND STEEL REINFORCEMENT SHALL CONFORM TO DESIGNATION C-47B REQUIREMENTS OF ASTM SPECIFICATIONS.  
JOINTS SHALL BE WATERTIGHT AND SHALL BE MADE USING RUBBER GASKETS OR BUTYL RUBBER MASTIC MATERIAL.  
AREA OF CIRCUMFERENTIAL STEEL = 0.12 SQ. INCH PER LINEAL FOOT.  
3" BEDDING MATERIAL REQUIRED UNDER BASE. MANHOLES TO BE BACKFILLED WITH GRANULAR BACKFILL MATERIAL.

**1 PRECAST MANHOLE**  
N.T.S.

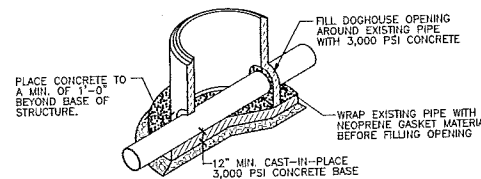


NOTE: ALL MANHOLES TO BE 4'-0" DIAMETER WITH 5" THICK WALLS.

**3 TRENCH DRAIN**  
N.T.S.



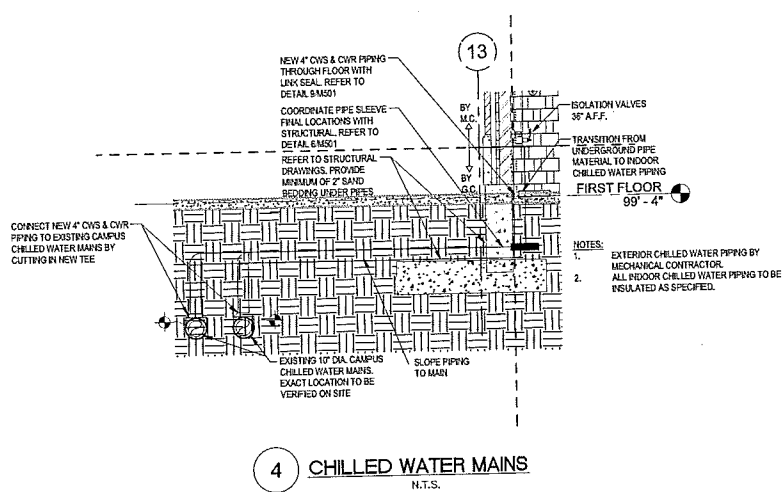
DOGHOUSE MANHOLE BASE



FOUNDATION SECTION VIEW

- NOTES:
1. CONSTRUCT A FORMED INVERT FROM NEW SEWER LINE TO ALLOW FLOW TO THE EXISTING PIPE.
  2. POUR SHELF TO THE LOWER HALF OF THE EXISTING PIPE.
  3. CUT AND REMOVE THE TOP HALF OF THE EXISTING PIPE TO WITHIN 5" OF THE MANHOLE WALLS AFTER THE INVERT AND SHELF HAVE BEEN FORMED.

**2 DOGHOUSE MANHOLE BASE**  
N.T.S.



**4 CHILLED WATER MAINS**  
N.T.S.

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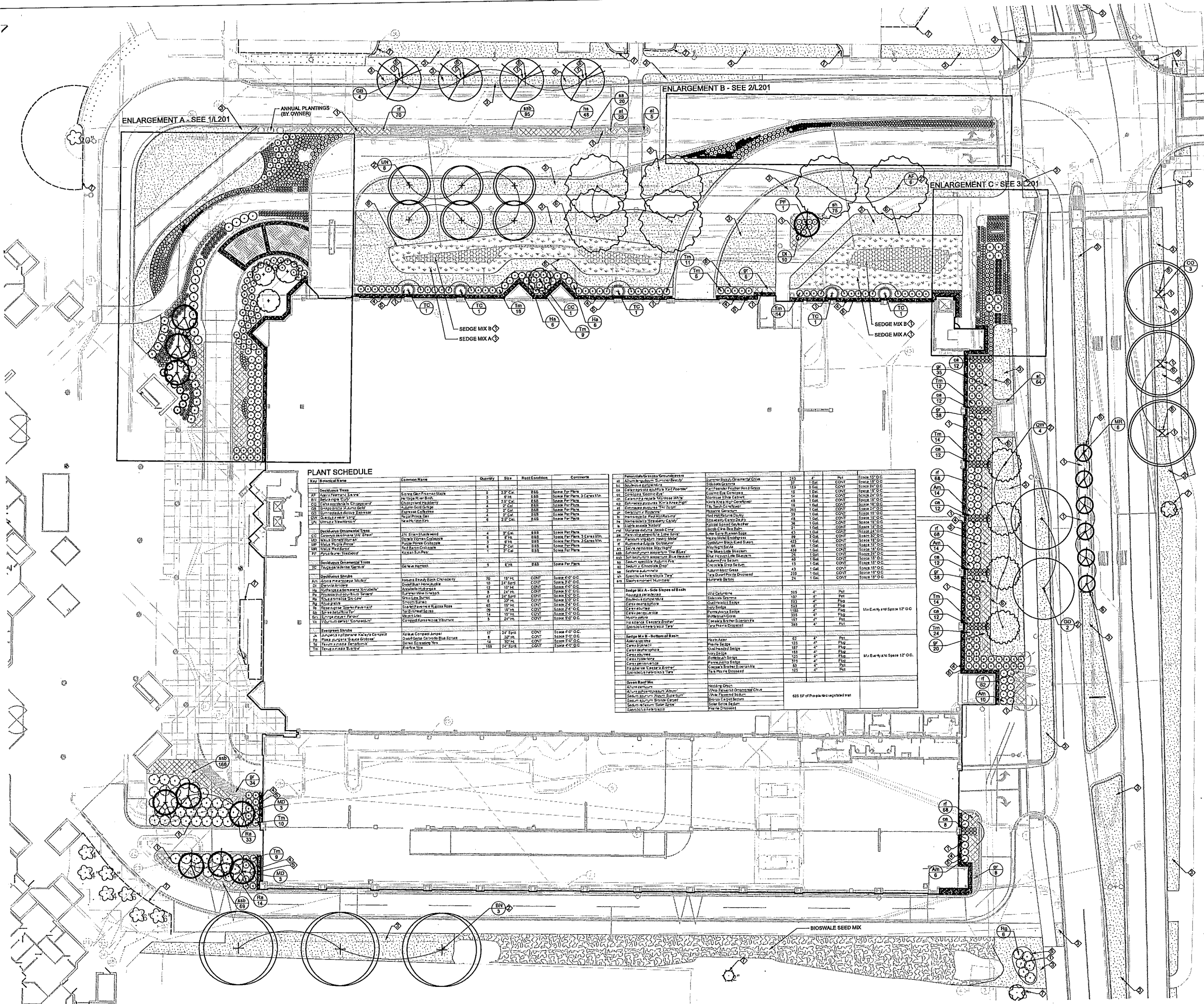
UW Hospital Ramp Expansion  
University of Wisconsin - Madison  
Madison, Wisconsin

Sheet Title:  
SITE CONSTRUCTION DETAILS

Revisions:		
No.	Date:	Description:

Graphic Scale	
DFD Number	1281K
Set Type	PR
Date Issued	09/13/2013
Sheet Number	C908

7



**LEGEND**

- ◆ SHREDDED HARDWOOD BARK MULCH BED; NEW BED OR RE-MULCH EXISTING BED
- ◆ SHREDDED HARDWOOD BARK MULCH RING AT BASE OF TREE
- ◆ MINERAL GROWN SOD, TYP.
- ◆ INORGANIC STONE MULCH MAINTENANCE EDGE OVER WEED BARRIER FABRIC, SEE DETAIL 4/L201
- ◆ STEEL EDGING
- ◆ SHOVEL CUT EDGING
- ◆ TREE PROTECTION FENCE, SEE DETAIL 8/C300
- ◆ GREEN ROOF INORGANIC STONE MULCH MAINTENANCE EDGE, SEE DETAIL 9/L201
- ◆ GREEN ROOF STEEL EDGING, SEE DETAIL 9/L201

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 125 South 84th Street, Suite 401  
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 414 / 259 1500  
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 www.graef-usa.com

Consultant:  
  
 Ken Salko  
 Landscape Architecture

**GENERAL NOTES**

- FIELD VERIFY ALL EXISTING AND PROPOSED SITE UTILITIES. CONTACT DIGGERS HOTLINE AND UW-MADISON FOR UNDERGROUND UTILITY LOCATIONS. NOTIFY DFD CONSTRUCTION REPRESENTATIVE OF ANY PROBLEMS.
- PROTECT ALL PAVEMENTS, CURBS, UTILITIES, AND OTHER SITE ELEMENTS DURING PLANTING OPERATIONS.
- SUBMIT TOPSOIL TESTING REQUIREMENTS PER SECTION 32 91 13 SOIL PREPARATION.
- VERIFY THAT SPECIFIED PLANTING SOIL DEPTH IS PRESENT PRIOR TO PLANTING PER SECTION 32 91 13 SOIL PREPARATION. NOTIFY DFD CONSTRUCTION REPRESENTATIVE OF ANY PROBLEMS.
- LAYOUT, STAKE OR PAINT THE PROPOSED LOCATION OF ALL PLANTINGS FOR APPROVAL BY DFD CONSTRUCTION REPRESENTATIVE OR LANDSCAPE ARCHITECT PRIOR TO PLANTING.
- SPACE SHRUBS AND PERENNIALS PER PLANT SCHEDULE.
- ALL WRAPPINGS, WIRE BASKETS, BURLAP, TWINE AND OTHER MISCELLANEOUS MATERIAL SHALL BE REMOVED FROM ENTIRE ROOT BALL PRIOR TO INSTALLATION.
- ALL PLANTED AREAS INCLUDING BIORETENTION BASINS ADJACENT TO LAWN SHALL HAVE SHOVEL CUT EDGING PER SECTION 32 92 00 PLANTS.
- ALL PLANTED AREAS INCLUDING BIORETENTION BASINS SHALL HAVE SHREDDED HARDWOOD BARK MULCH PER SECTION 32 92 00 PLANTS.
- ALL LAWN AREAS ADJACENT TO THE PROJECT SITE THAT ARE DISTURBED BY CONSTRUCTION ACTIVITIES INCLUDING, BUT NOT LIMITED TO, UTILITY TRENCHING, ACCESS, OR MATERIALS STORAGE SHALL BE REPAIRED PER SECTION 32 92 23 SODDING.
- REPAIR TO ORIGINAL CONDITION ALL EXISTING PLANTING BEDS NOTED TO REMAIN INCLUDING VEGETATION, MULCH AND EDGING THAT HAVE BEEN DISTURBED BY CONSTRUCTION ACTIVITIES.
- FOR APPROVED LIST OF MINERAL SOD SUPPLIERS CONTACT UW-MADISON PROJECT MANAGER OR DFD CONSTRUCTION REPRESENTATIVE.

**PLANT SCHEDULE**

Key	Symbol/Notes	Common Name	Quantity	Size	Root Condition	Comments
TD	Decorative Trees	...	...	...	...	...
CC	Decorative Ornamental Trees	...	...	...	...	...
SE	Shrubs	...	...	...	...	...
PE	Perennials	...	...	...	...	...
SD	Sod	...	...	...	...	...

Item	Description	Quantity	Size	Material	Notes
1	Perennial Grasses - Greenhouse	123	4"	Pot	...
2	...	...	...	...	...
3	...	...	...	...	...
4	...	...	...	...	...

State of Wisconsin  
 Department of Administration  
 Division of Facilities Development

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UW Hospital Ramp Expansion  
 University of Wisconsin - Madison  
 Madison, Wisconsin

Revisions:

No.	Date	Description

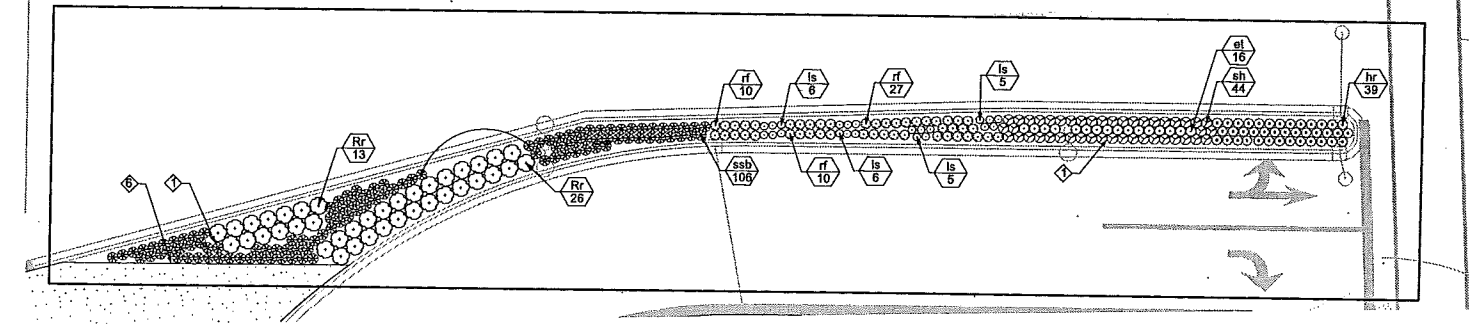
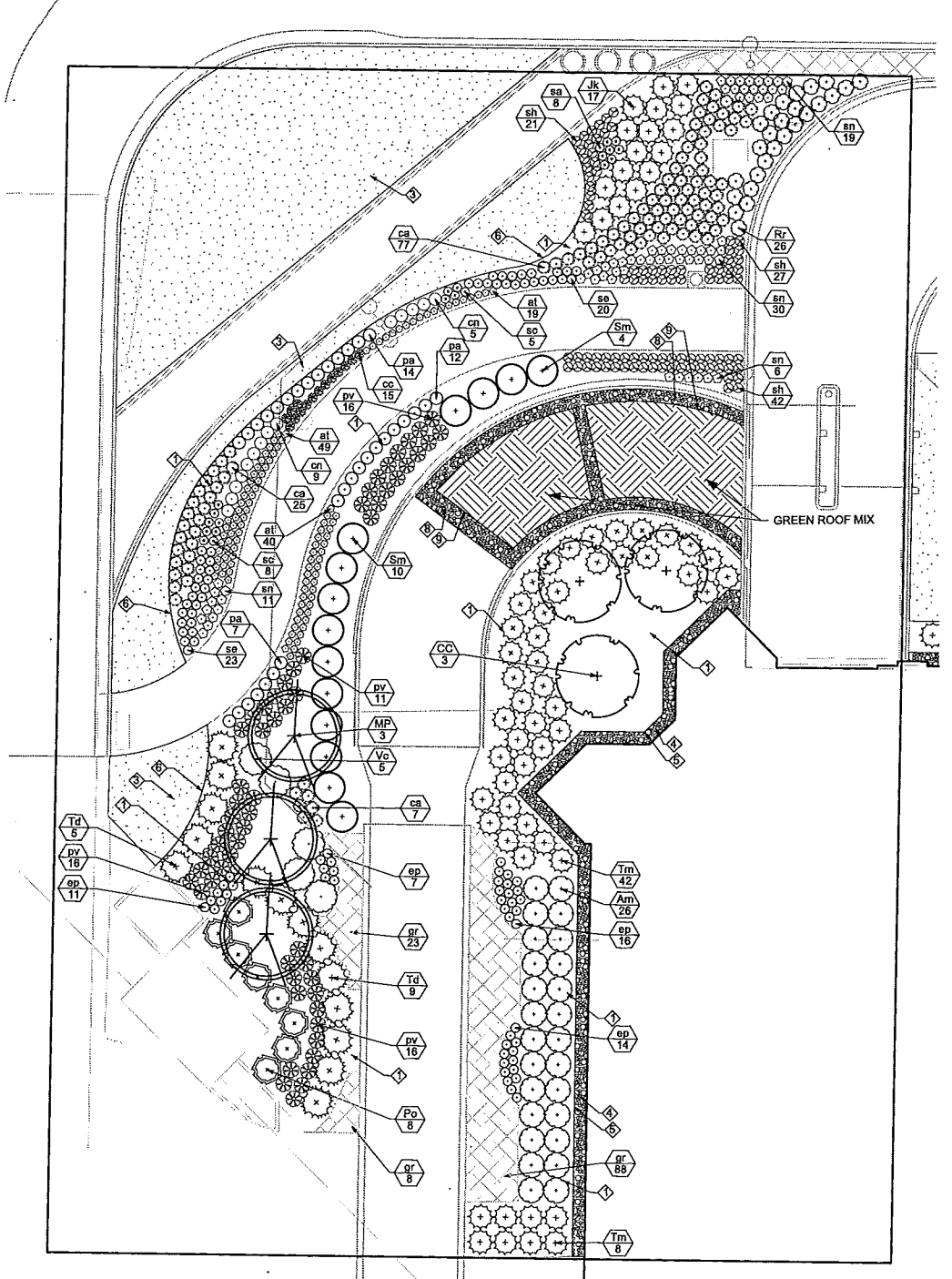
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DFD Number: 12B1K  
 Set Type: PR  
 Date Issued: 09/13/2013  
 Sheet Number: L101

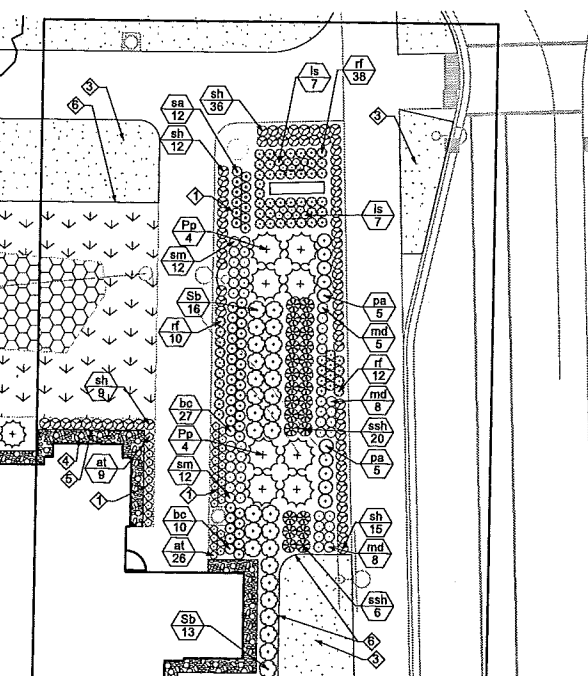
Consultant:



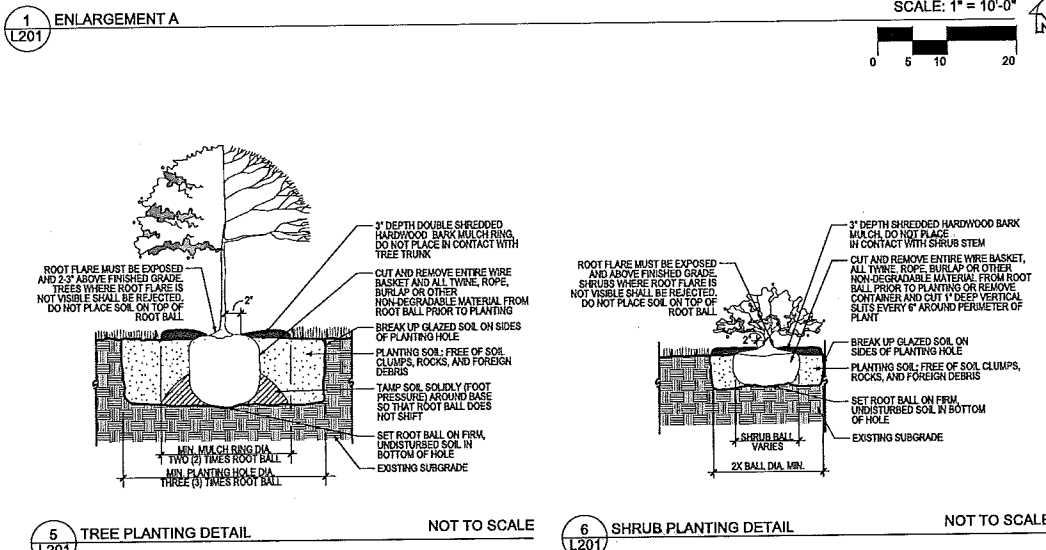
Scale: 1" = 10'-0"



2 ENLARGEMENT B



3 ENLARGEMENT C

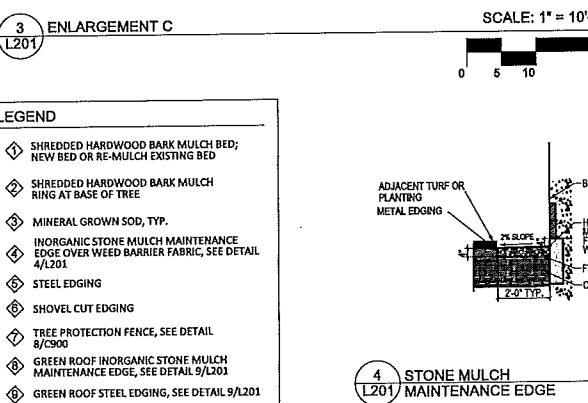


5 TREE PLANTING DETAIL

NOT TO SCALE

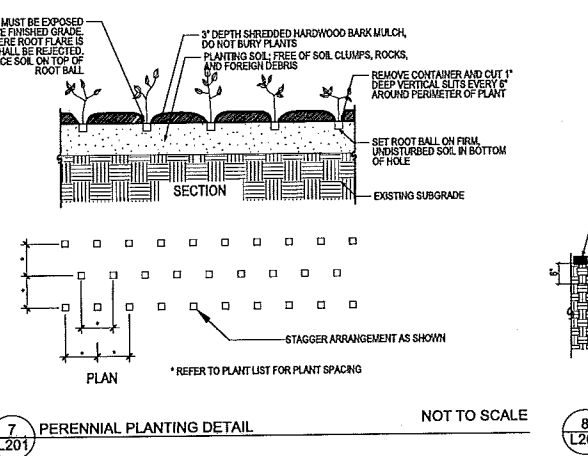
6 SHRUB PLANTING DETAIL

NOT TO SCALE



4 STONE MULCH MAINTENANCE EDGE

NOT TO SCALE



7 PERENNIAL PLANTING DETAIL

NOT TO SCALE

8 SHOVEL CUT EDGE DETAIL

NOT TO SCALE

9 GREEN ROOF SECTION DETAIL

NOT TO SCALE

**PLANT SCHEDULE**

Key	Botanical Name	Common Name	Quantity	Size	Root Condition	Comments
AF	Acer Freemanii 'Sonne'	Sonne Gen Freeman Maple	8	2.5" Cal	BAB	Space Per Plant
BI	Betula nigra 'Cory'	Hatchings River Birch	3	2.5" Cal	BAB	Space Per Plant, 3 Cane Min
CO	Cornus canadensis	Flowering Dogwood	3	2.5" Cal	BAB	Space Per Plant
OB	Osagea baccata 'Aurea'	Aurea Dogwood	4	2" Cal	BAB	Space Per Plant
GD	Gymnocladia dioica 'Wasson'	Wasson's Gleditsia	2	2" Cal	BAB	Space Per Plant
OW	Quercus macrocarpa	Large Leaf Oak	4	2" Cal	BAB	Space Per Plant
LH	Liriodendron tulipifera	Yellow Flamingo Tree	6	2.5" Cal	BAB	Space Per Plant
CC	Cornus canadensis 'JM Stain'	JM Stain Dogwood	4	2" Cal	BAB	Space Per Plant
MO	Malus domingensis 'Sonne'	Sonne Malus Crabapple	6	6" H	BAB	Space Per Plant, 3 Cane Min
MR	Malus Red Baron	Red Baron Crabapple	3	2" Cal	BAB	Space Per Plant
VF	Viburnum acerifolium 'Wasson'	Wasson Viburnum	1	2" Cal	BAB	Space Per Plant
TC	Taxus canadensis 'Wasson'	Wasson's White Pine	3	6" H	BAB	Space Per Plant
Am	Artemisia biennis	Common Wormwood	70	18" H	CORIT	Space 4'-0" O.C
DI	Dianthus barbatus	Corned Pink	10	24" Sprd	CORIT	Space 3'-0" O.C
Hy	Hydrangea macrophylla 'Annabelle'	Annabelle Hydrangea	16	18" H	CORIT	Space 4'-0" O.C
Ph	Phlox paniculata 'Mantel'	Mantel Phlox	8	24" H	CORIT	Space 5'-0" O.C
Ra	Rosa 'Double Delicate'	Double Delicate Rose	47	24" Sprd	CORIT	Space 6'-0" O.C
Ru	Rosa rugosa 'Santitas'	Santitas Rose	8	32" H	CORIT	Space 5'-0" O.C
Ru	Rosa rugosa 'Santitas'	Santitas Rose	85	18" H	CORIT	Space 2'-0" O.C
Sp	Spirea 'Moulin Rouge'	Moulin Rouge Spirea	39	18" H	CORIT	Space 2'-0" O.C
Sp	Spirea 'Moulin Rouge'	Moulin Rouge Spirea	14	18" H	CORIT	Space 2'-0" O.C
Va	Viburnum acerifolium 'Wasson'	Wasson's Viburnum	5	24" H	CORIT	Space 6'-0" O.C
A	Asplenium platyneuron	Kelley's Compound	17	24" Sprd	CORIT	Space 4'-0" O.C
Pg	Platanus occidentalis 'Carmel'	Carmel Platanus	14	30" H	CORIT	Space 5'-0" O.C
Tm	Taxus canadensis 'Wasson'	Wasson's White Pine	188	24" Sprd	CORIT	Space 4'-0" O.C
Al	Alchemilla mollis 'Summer Breeze'	Summer Breeze Alchemilla	213	4"	Pot	Space 15" O.C
Bs	Bouteloua curtipendula	Blonde Grass	37	1 Gal	CORIT	Space 15" O.C
Co	Cortaderia selloana 'Santo Domingo'	Santo Domingo Grass	189	3 Gal	CORIT	Space 24" O.C
Co	Cortaderia selloana 'Santo Domingo'	Santo Domingo Grass	15	1 Gal	CORIT	Space 18" O.C
Co	Cortaderia selloana 'Santo Domingo'	Santo Domingo Grass	14	1 Gal	CORIT	Space 24" O.C
Ca	Calamagrostis canadensis 'Kane'	Kane's Blue Grass	48	1 Gal	CORIT	Space 18" O.C
Ea	Echinochloa crusgalli 'King's Knees'	King's Knees	48	1 Gal	CORIT	Space 18" O.C
Er	Eriophorum angustifolium	Blue Bird's Foot	28	1 Gal	CORIT	Space 18" O.C
Ga	Glycerhiza glabra 'Tillamook'	Tillamook Licorice	208	1 Gal	CORIT	Space 24" O.C
H	Hemerocallis 'Red Hot Belles'	Red Hot Belles Daylily	39	1 Gal	CORIT	Space 18" O.C
H	Hemerocallis 'Red Hot Belles'	Red Hot Belles Daylily	48	1 Gal	CORIT	Space 18" O.C
He	Hemerocallis 'Spartan Candy'	Spartan Candy Daylily	39	1 Gal	CORIT	Space 18" O.C
Hs	Hesperis matronalis 'Fragrantissima'	Fragrant Nightingale	39	1 Gal	CORIT	Space 18" O.C
Ma	Manisuris 'Jacob's Ladder'	Jacob's Ladder	21	1 Gal	CORIT	Space 18" O.C
Pa	Panicum capillare 'Luteum'	Luteum Panicum	63	1 Gal	CORIT	Space 15" O.C
Pa	Panicum capillare 'Luteum'	Luteum Panicum	59	3 Gal	CORIT	Space 3'-0" O.C
Ru	Rubus 'Black Gold'	Black Gold Rubus	423	1 Gal	CORIT	Space 18" O.C
Ru	Rubus 'Black Gold'	Black Gold Rubus	66	1 Gal	CORIT	Space 15" O.C
Sa	Sedum spectabile 'Iceberg'	Iceberg Sedum	35	1 Gal	CORIT	Space 18" O.C
Sa	Sedum spectabile 'Iceberg'	Iceberg Sedum	40	1 Gal	CORIT	Space 18" O.C
Sa	Sedum spectabile 'Iceberg'	Iceberg Sedum	13	1 Gal	CORIT	Space 18" O.C
Se	Senecio 'Blue Bird'	Blue Bird Senecio	26	1 Gal	CORIT	Space 24" O.C
Sf	Solidago canadensis	Canada Goldenrod	40	1 Gal	CORIT	Space 18" O.C
St	Stachys 'Blue Bird'	Blue Bird Stachys	13	1 Gal	CORIT	Space 18" O.C
St	Stachys 'Blue Bird'	Blue Bird Stachys	43	1 Gal	CORIT	Space 18" O.C
St	Stachys 'Blue Bird'	Blue Bird Stachys	233	1 Gal	CORIT	Space 18" O.C
St	Stachys 'Blue Bird'	Blue Bird Stachys	24	1 Gal	CORIT	Space 18" O.C
Su	Sporobolus vaginatus	Winged Spillwort	395	4"	Pot	
Su	Sporobolus vaginatus	Winged Spillwort	197	4"	Pot	
Su	Sporobolus vaginatus	Winged Spillwort	453	4"	Pot	
Su	Sporobolus vaginatus	Winged Spillwort	395	4"	Pot	
Su	Sporobolus vaginatus	Winged Spillwort	395	4"	Pot	
Su	Sporobolus vaginatus	Winged Spillwort	395	4"	Pot	
Al	Alchemilla mollis	Alchemilla	62	4"	Pot	
Al	Alchemilla mollis	Alchemilla	174	4"	Pot	
Al	Alchemilla mollis	Alchemilla	187	4"	Pot	
Al	Alchemilla mollis	Alchemilla	188	4"	Pot	
Al	Alchemilla mollis	Alchemilla	129	4"	Pot	
Al	Alchemilla mollis	Alchemilla	375	4"	Pot	
Al	Alchemilla mollis	Alchemilla	63	4"	Pot	
Al	Alchemilla mollis	Alchemilla	126	4"	Pot	
Gm	Green Roof Mix	Green Roof Mix				655 SF of Pre-Planted vegetative mat

**GENERAL NOTES**

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State of Wisconsin  
Department of Administration  
Division of Facilities Development  
610 Highland Avenue  
Madison, WI 53742

UW Hospital Ramp Expansion  
University of Wisconsin - Madison  
Madison, Wisconsin  
Sheet Title:  
LANDSCAPE DETAILS

Revisions:

No.	Date	Description

Graphic Scale: 1" = 10'-0"

DFD Number: 12B1K

Set Type: FR

Date Issued: 09/13/2013

Sheet Number: L201



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 Department of Administration  
 Division of Facilities Development



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 University of Wisconsin - Madison  
 Madison, Wisconsin

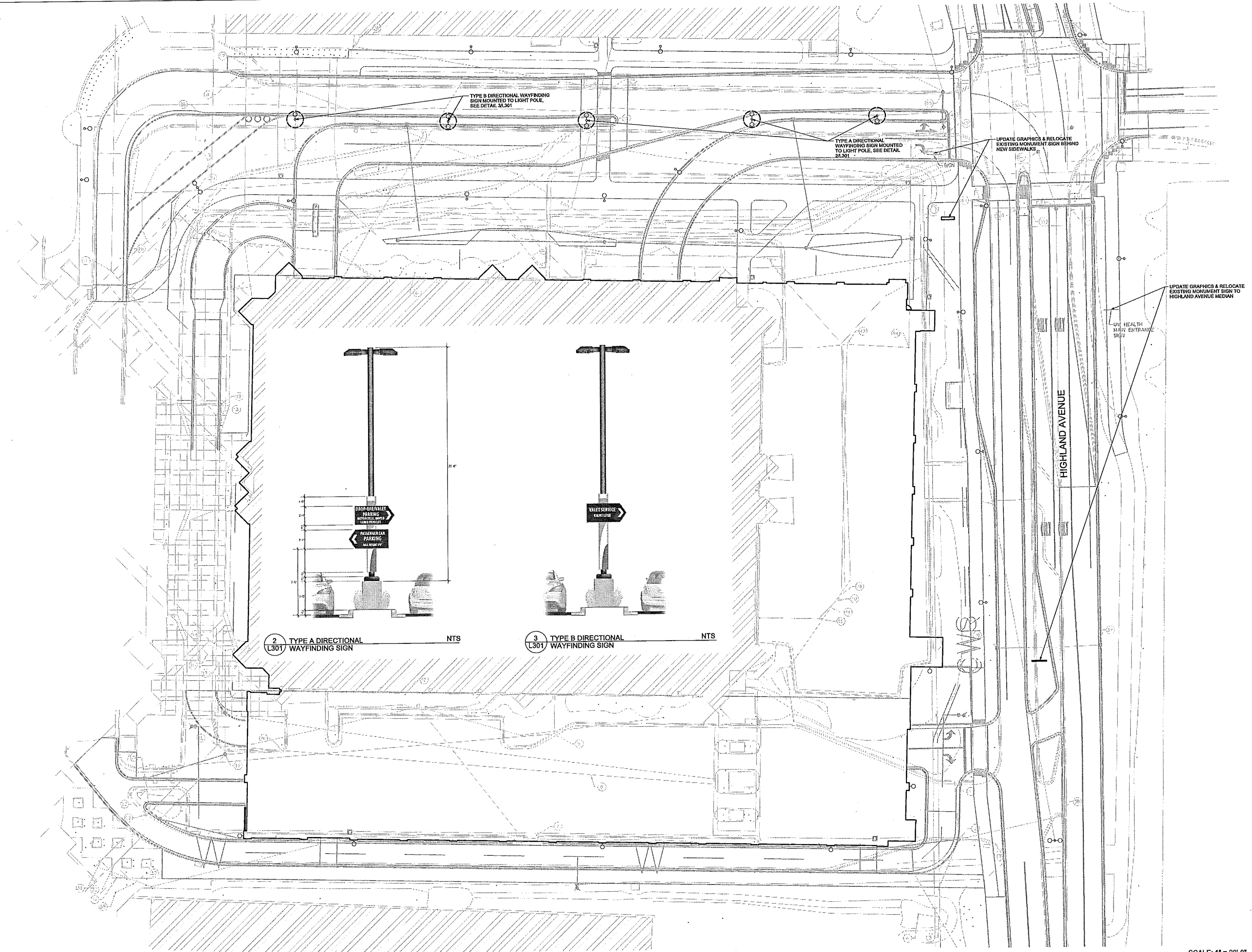
Sheet Title:  
 PROPOSED WAYFINDING SIGNAGE

Revisions:

No.	Date	Description

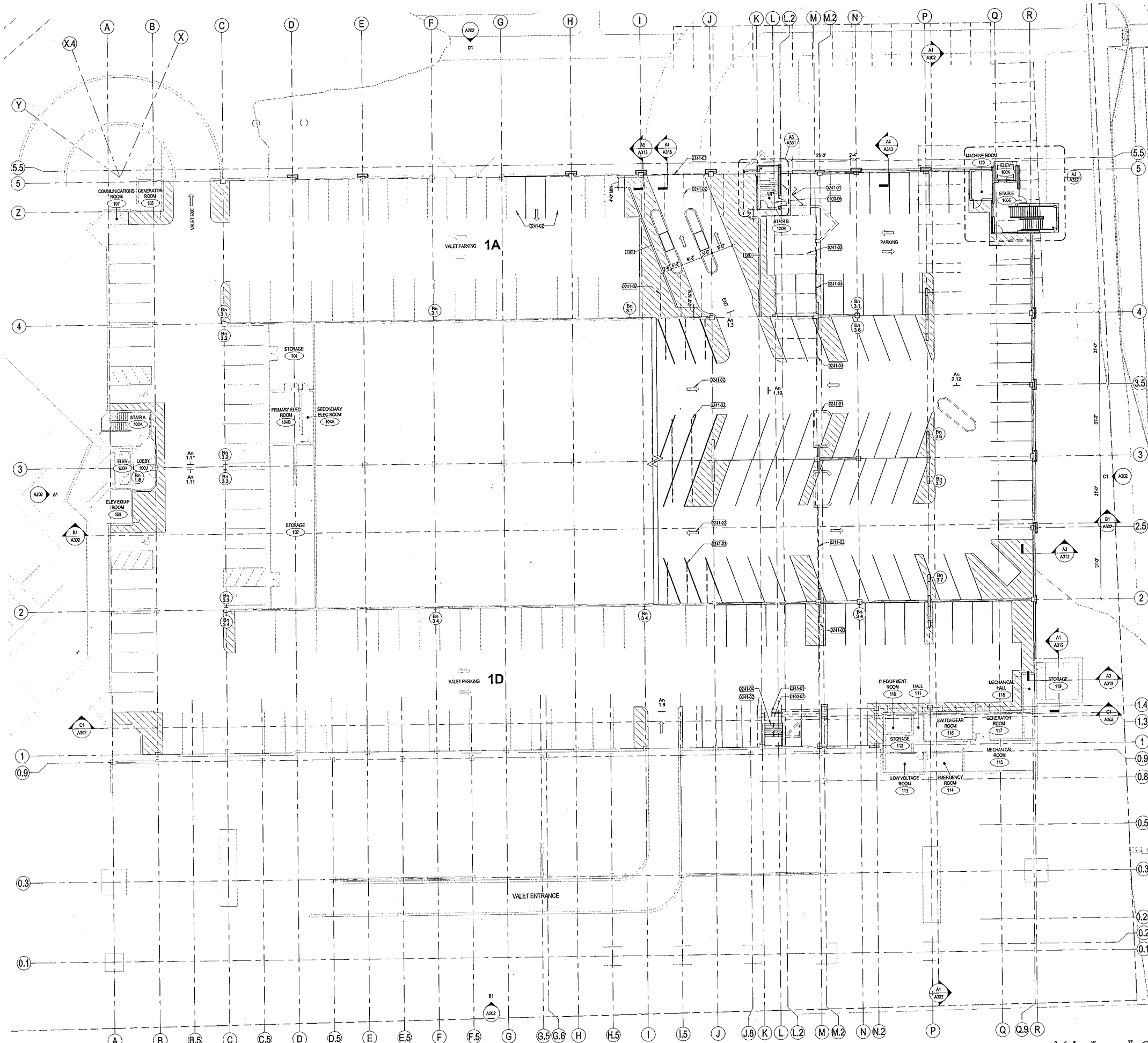
Graphic Scale	DFD Number	Set Type	Date Issued	Sheet Number
	1281K	PR	09/13/2013	L301



2 TYPE A DIRECTIONAL WAYFINDING SIGN NTS

3 TYPE B DIRECTIONAL WAYFINDING SIGN NTS





**A1** PARKING LEVEL 1 FLOOR PLAN - PHASE 3  
1/16" = 1'-0"

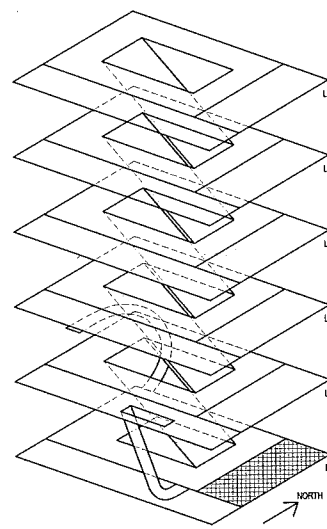
**KEYNOTES PER SHEET**

- 0100-06 STAIR B AND ASSOCIATED EXIT PATH TO REMAIN INTACT UNTIL WORK AT STAIR D IS COMPLETE.
- 0100-07 STAIR C AND ASSOCIATED EXIT PATH TO REMAIN INTACT UNTIL WORK AT STAIR B AND STAIR D IS COMPLETE.
- 0241-01 WALL AND ANY ASSOCIATED DOORS AND WINDOWS TO BE REMOVED.
- 0241-02 REMOVE EXISTING PARKING STRIPING AND RESTRIPE AS SHOWN.
- 0241-03 REMOVE EXISTING STEEL RAILING.
- 0241-04 REMOVE EXISTING STAIRS AND RAILING.

**PARKING SCHEDULE - EAST ADDITION**

Count	Level	Type
3	Level 1	8 x 18 x 8 x 90° ADA
35	Level 1	8'6" x 18 x 70°
32	Level 1	8'6" x 18 x 90°
135	Level 1	8'6" x 18 x 90° Valet
Level 1: 205		
1	Level 2	8 x 18 x 5 x 90° ADA
11	Level 2	8'6" x 18 x 50° Oversize
7	Level 2	8'6" x 18 x 50° Univ
248	Level 2	8'6" x 18 x 70°
25	Level 2	8'6" x 18 x 90°
1	Level 2	8'6" x 18 x 90° Valet
2	Level 2	9 x 18 x 5 x 70° ADA
12	Level 2	9 x 18 x 5 x 90° ADA
5	Level 2	9 x 18 x 8 x 50° ADA
5	Level 2	9 x 18 x 8 x 50° ADA
Level 2: 317		
2	Level 3	8 x 18 x 5 x 90° ADA
93	Level 3	8'6" x 16'6" x 70°
256	Level 3	8'6" x 18 x 70°
44	Level 3	8'6" x 18 x 90°
14	Level 3	9 x 18 x 5 x 90° ADA
Level 3: 409		
7	Level 4	8 x 18 x 5 x 90° ADA
93	Level 4	8'6" x 16'6" x 70°
257	Level 4	8'6" x 18 x 70°
45	Level 4	8'6" x 18 x 90°
10	Level 4	9 x 18 x 5 x 90° ADA
Level 4: 412		
5	Level 5	8 x 18 x 5 x 90° ADA
93	Level 5	8'6" x 16'6" x 70°
255	Level 5	8'6" x 18 x 70°
44	Level 5	8'6" x 18 x 90°
10	Level 5	9 x 18 x 5 x 90° ADA
1	Level 5	9 x 18 x 5 x 90° ADA
Level 5: 408		
5	Level 6	8 x 18 x 5 x 90° ADA
95	Level 6	8'6" x 16'6" x 70°
255	Level 6	8'6" x 18 x 70°
44	Level 6	8'6" x 18 x 90°
10	Level 6	9 x 18 x 5 x 90° ADA
Level 6: 409		
<b>Grand total: 2160</b>		

NOTE: SEE SHEET 0003 FOR CONTRACTOR PARKING DURING THE EAST ADDITION PHASE.



**ISOMETRIC KEY DIAGRAM**

**GRAEF**  
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State of Wisconsin  
Department of Administration  
Division of Facilities Development



610 Highland Avenue  
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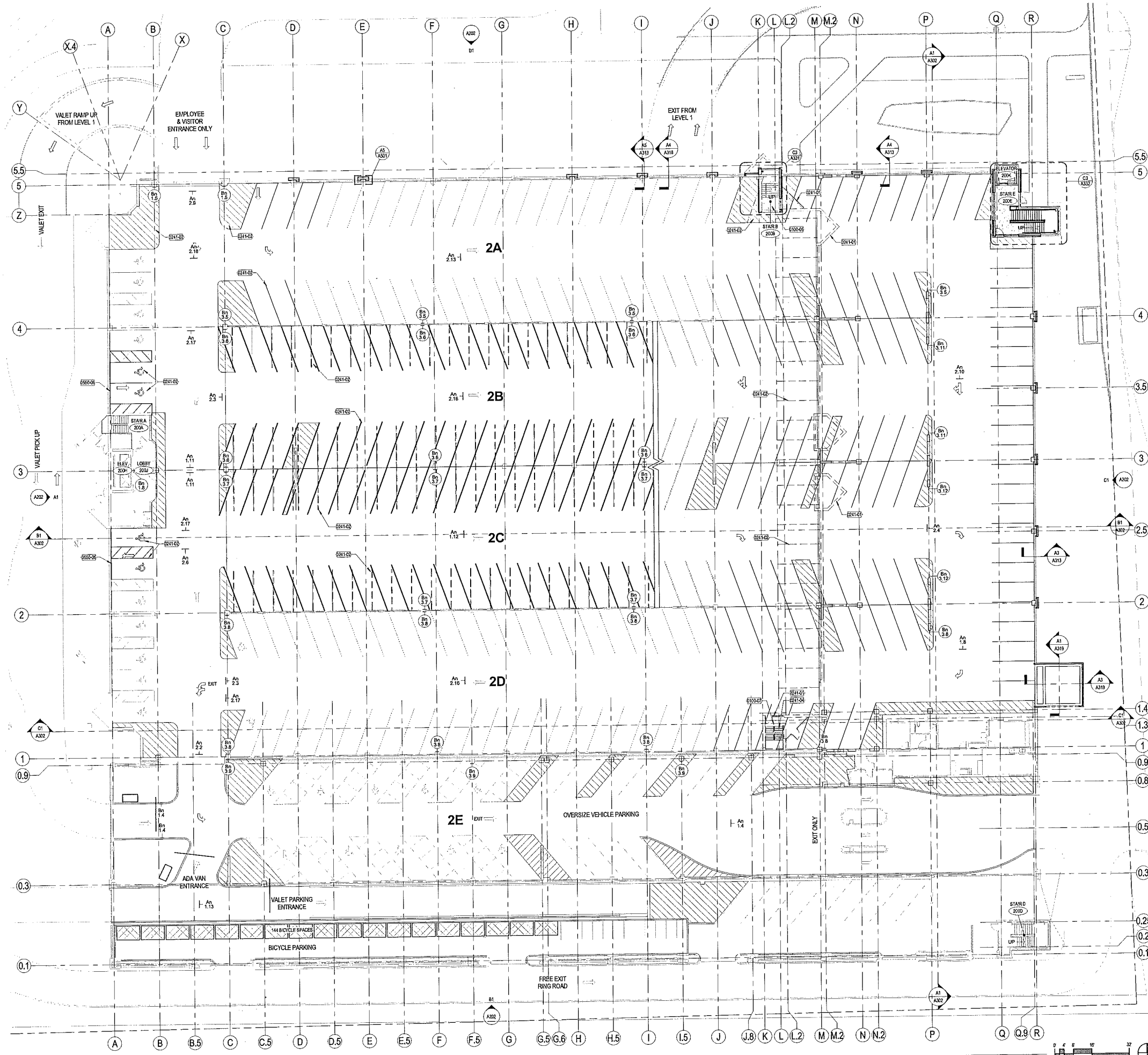
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Madison, Wisconsin

Sheet Title:  
FIRST LEVEL EAST ADDITION PLAN

Revisions:		
No.	Date:	Description:

Graphic Scale: 1" = 10'  
DFD Number: 1281K  
Set Type: PR  
Date Issued: 09/13/2013  
Sheet Number: **A101-3**





**A1** PARKING LEVEL 2 FLOOR PLAN - PHASE 3  
1/8" = 1'-0"

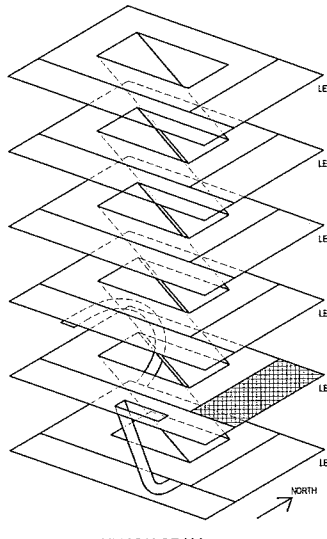
**KEYNOTES PER SHEET**

0240-06	STAR B AND ASSOCIATED EXIT PATH TO REMAIN INTACT UNTIL WORK AT STAR D IS COMPLETE.
0240-07	STAR C AND ASSOCIATED EXIT PATH TO REMAIN INTACT UNTIL WORK AT STAR B AND STAR D IS COMPLETE.
0241-01	WALL AND ANY ASSOCIATED DOORS AND WINDOWS TO BE DEMOLISHED.
0241-02	REMOVE EXISTING PARKING STOPPING AND RESTRIPE AS SHOWN.
0241-04	REMOVE EXISTING STAIRS AND RAILING.
0260-09	PAINTED METAL RAIL TO MATCH EXISTING.

**PARKING SCHEDULE - EAST ADDITION**

Count	Level	Type
3	Level 1	8 x 18 x 8 x 90° ADA
35	Level 1	8'6" x 18 x 70°
32	Level 1	8'6" x 18 x 90°
135	Level 1	8'6" x 18 x 90° Valet
<b>Level 1: 205</b>		
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11	Level 2	8'6" x 18 x 50° Oversize
7	Level 2	8'6" x 18 x 50° Univ
248	Level 2	8'6" x 18 x 70°
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5	Level 2	9 x 18 x 8 x 50° ADA
<b>Level 2: 317</b>		
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256	Level 3	8'6" x 18 x 70°
44	Level 3	8'6" x 18 x 90°
14	Level 3	9 x 18 x 5 x 90° ADA
<b>Level 3: 409</b>		
7	Level 4	8 x 18 x 5 x 90° ADA
93	Level 4	8'6" x 16'6" x 70°
257	Level 4	8'6" x 18 x 70°
45	Level 4	8'6" x 18 x 90°
10	Level 4	9 x 18 x 5 x 90° ADA
<b>Level 4: 412</b>		
5	Level 5	8 x 18 x 5 x 90° ADA
93	Level 5	8'6" x 16'6" x 70°
255	Level 5	8'6" x 18 x 70°
44	Level 5	8'6" x 18 x 90°
10	Level 5	9 x 18 x 5 x 90° ADA
1	Level 5	9 x 18 x 5 x 90° ADA
<b>Level 5: 408</b>		
5	Level 6	8 x 18 x 5 x 90° ADA
95	Level 6	8'6" x 16'6" x 70°
255	Level 6	8'6" x 18 x 70°
44	Level 6	8'6" x 18 x 90°
10	Level 6	9 x 18 x 5 x 90° ADA
<b>Level 6: 409</b>		

Grand Total: 2460  
NOTE: SEE SHEET 0263 FOR CONTRACTOR PARKING DURING THE EAST ADDITION PHASE.



**ISOMETRIC KEY DIAGRAM**  
NTS



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151 East Wisconsin Ave., Suite 1000  
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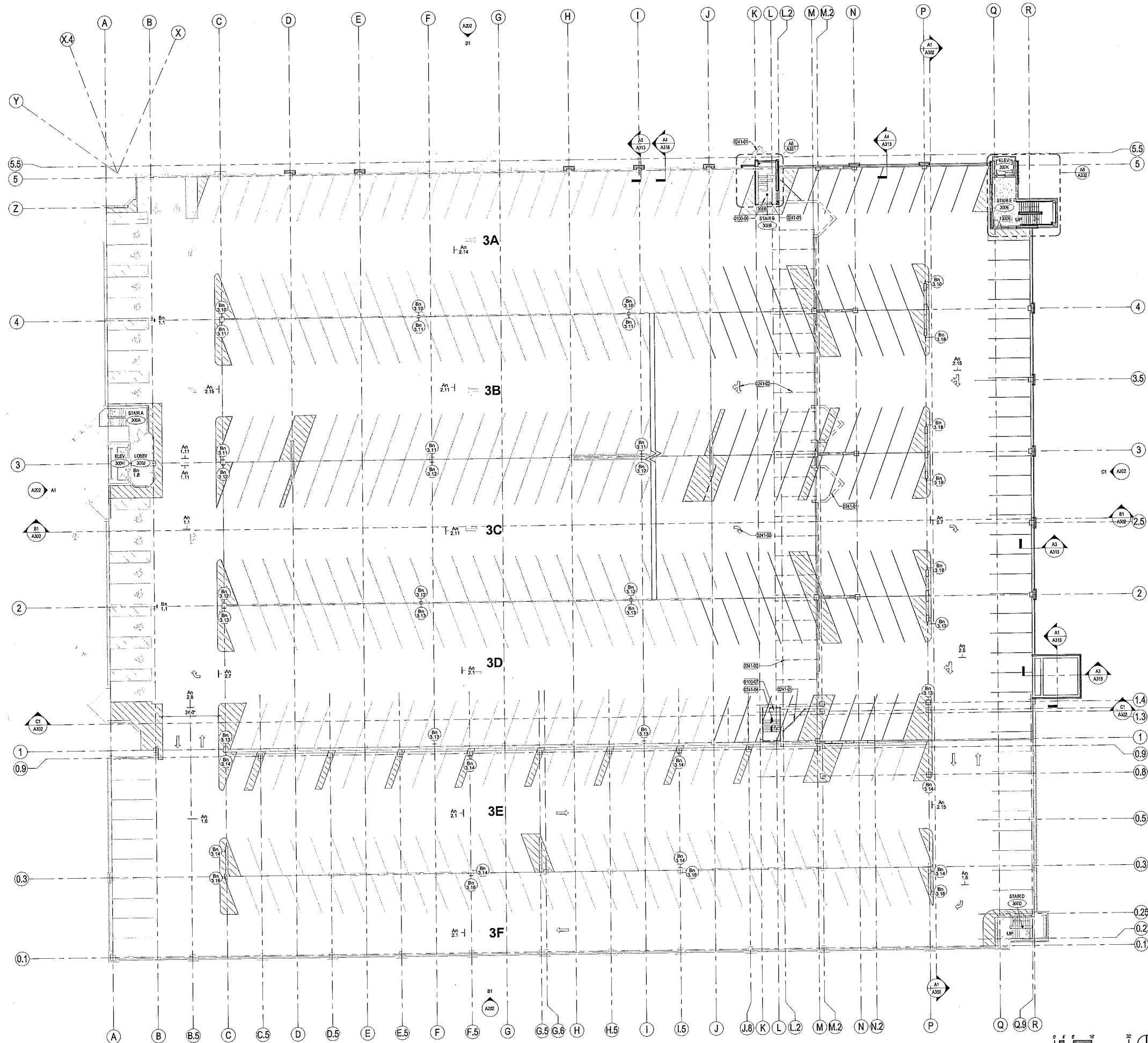
State of Wisconsin  
Department of Administration  
Division of Facilities Development  
610 Highland Avenue  
Madison, Wisconsin 53792

UW Hospital Ramp Expansion  
University of Wisconsin - Madison  
Madison, Wisconsin  
Sheet Title: SECOND LEVEL EAST ADDITION PLAN

Revisions:

No.	Date	Description

Graphic Scale: 1/8" = 1'-0"  
DFD Number: 12B1K  
Set Type: PR  
Date Issued: 09/13/2013  
Sheet Number: **A102-3**



**A1** PARKING LEVEL 3 FLOOR PLAN - PHASE 3  
1/8" = 1'-0"

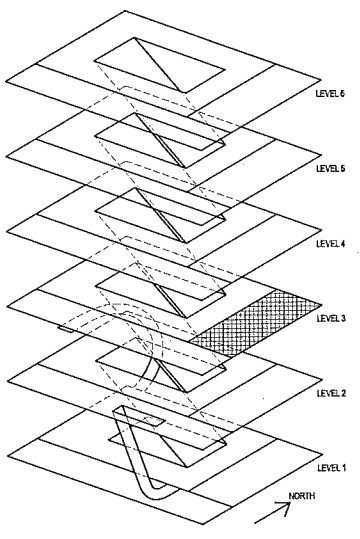
**KEYNOTES PER SHEET**

010006	STAR B AND ASSOCIATED EXIT PATH TO REMAIN INTACT UNTIL WORK AT STAR D IS COMPLETE
010007	STAR C AND ASSOCIATED EXIT PATH TO REMAIN INTACT UNTIL WORK AT STAR B AND STAR D IS COMPLETE
024101	WALL AND ANY ASSOCIATED DOORS AND WINDOWS TO BE DEMOLISHED
024102	REMOVE EXISTING PARKING STRIPS AND RESTRIPE AS SHOWN
024104	REMOVE EXISTING STAIRS AND RAMP

**PARKING SCHEDULE - EAST ADDITION**

Count	Level	Type
3	Level 1	8 x 18 x 8 x 90° ADA
35	Level 1	8'6" x 18 x 70°
32	Level 1	8'6" x 18 x 90°
135	Level 1	8'6" x 18 x 90° Valet
<b>Level 1: 205</b>		
1	Level 2	8 x 18 x 5 x 90° ADA
11	Level 2	8'6" x 18 x 50° Oversize
7	Level 2	8'6" x 18 x 50° Univ
248	Level 2	8'6" x 18 x 70°
25	Level 2	8'6" x 18 x 90°
1	Level 2	8'6" x 18 x 90° Valet
2	Level 2	9 x 18 x 5 x 70° ADA
12	Level 2	9 x 18 x 5 x 90° ADA
5	Level 2	9 x 18 x 8 x 50° ADA
5	Level 2	9 x 18 x 8 x 50° ADA
<b>Level 2: 317</b>		
2	Level 3	8 x 18 x 5 x 90° ADA
93	Level 3	8'6" x 16'6" x 70°
256	Level 3	8'6" x 18 x 70°
44	Level 3	8'6" x 18 x 90°
14	Level 3	9 x 18 x 5 x 90° ADA
<b>Level 3: 409</b>		
7	Level 4	8 x 18 x 5 x 90° ADA
93	Level 4	8'6" x 16'6" x 70°
257	Level 4	8'6" x 18 x 70°
45	Level 4	8'6" x 18 x 90°
10	Level 4	9 x 18 x 5 x 90° ADA
<b>Level 4: 412</b>		
5	Level 5	8 x 18 x 5 x 90° ADA
93	Level 5	8'6" x 16'6" x 70°
255	Level 5	8'6" x 18 x 70°
44	Level 5	8'6" x 18 x 90°
10	Level 5	9 x 18 x 5 x 90° ADA
1	Level 5	9 x 18 x 5 x 90° ADA
<b>Level 5: 408</b>		
5	Level 6	8 x 18 x 5 x 90° ADA
95	Level 6	8'6" x 16'6" x 70°
255	Level 6	8'6" x 18 x 70°
44	Level 6	8'6" x 18 x 90°
10	Level 6	9 x 18 x 5 x 90° ADA
<b>Level 6: 409</b>		
<b>Grand total: 2160</b>		

NOTE: SEE SHEET 003 FOR CONTRACTOR PARKING DURING THE EAST ADDITION PHASE



ISOMETRIC KEY DIAGRAM  
N15

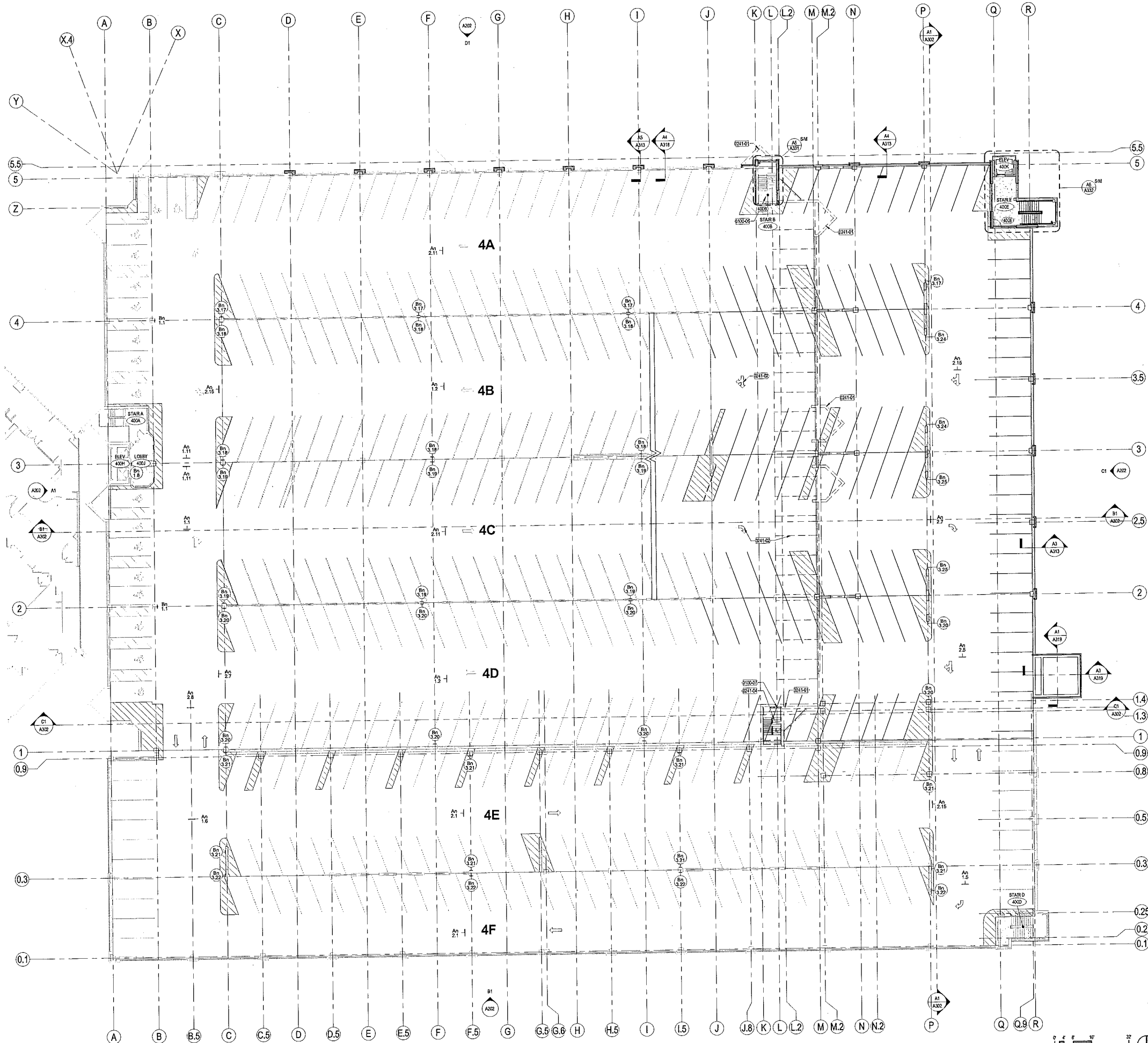
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Sheet Title:  
THIRD LEVEL EAST ADDITION PLAN

Revisions:	No.	Date:	Description:
Graphic Scale:	0 4 8 16'		
DFD Number:	1281K		
Set Type:	PR		
Date Issued:	09/13/2013		
Sheet Number:	A103-3		



**A1** PARKING LEVEL 4 FLOOR PLAN - PHASE 3  
1/8" = 1'-0"

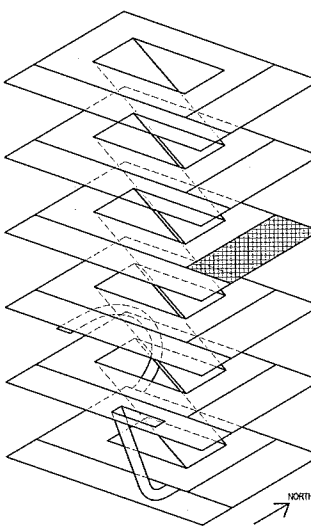
**KEYNOTES PER SHEET**

0200-06	STAIR B AND ASSOCIATED EXIT PATH TO REMAIN INTACT UNTIL WORK AT STAIR D IS COMPLETE
0200-07	STAIR C AND ASSOCIATED EXIT PATH TO REMAIN INTACT UNTIL WORK AT STAIR B AND STAIR D IS COMPLETE
0241-01	WALL AND ANY ASSOCIATED DOORS AND WINDOWS TO BE DEMOLISHED
0241-02	REMOVE EXISTING PARKING STRIPING AND RESTRIPE AS SHOWN
0241-04	REMOVE EXISTING STAIRS AND RAILING

**PARKING SCHEDULE - EAST ADDITION**

Count	Level	Type
3	Level 1	8 x 18 x 8 x 90° ADA
35	Level 1	8'6" x 18 x 70°
32	Level 1	8'6" x 18 x 90°
135	Level 1	8'6" x 18 x 90° Valet
<b>Level 1: 205</b>		
1	Level 2	8 x 18 x 5 x 90° ADA
11	Level 2	8'6" x 18 x 50° Oversize
7	Level 2	8'6" x 18 x 50° Univ
248	Level 2	8'6" x 18 x 70°
25	Level 2	8'6" x 18 x 90°
1	Level 2	8'6" x 18 x 90° Valet
2	Level 2	9 x 18 x 5 x 70° ADA
12	Level 2	9 x 18 x 5 x 90° ADA
5	Level 2	9 x 18 x 8 x 50° ADA
5	Level 2	9 x 18 x 8 x 50° ADA
<b>Level 2: 317</b>		
2	Level 3	8 x 18 x 5 x 90° ADA
93	Level 3	8'6" x 16'6" x 70°
256	Level 3	8'6" x 18 x 70°
44	Level 3	8'6" x 18 x 90°
14	Level 3	9 x 18 x 5 x 90° ADA
<b>Level 3: 409</b>		
7	Level 4	8 x 18 x 5 x 90° ADA
93	Level 4	8'6" x 16'6" x 70°
257	Level 4	8'6" x 18 x 70°
45	Level 4	8'6" x 18 x 90°
10	Level 4	9 x 18 x 5 x 90° ADA
<b>Level 4: 412</b>		
5	Level 5	8 x 18 x 5 x 90° ADA
93	Level 5	8'6" x 16'6" x 70°
255	Level 5	8'6" x 18 x 70°
44	Level 5	8'6" x 18 x 90°
10	Level 5	9 x 18 x 5 x 90° ADA
1	Level 5	9 x 18 x 5 x 90° ADA
<b>Level 5: 408</b>		
5	Level 6	8 x 18 x 5 x 90° ADA
95	Level 6	8'6" x 16'6" x 70°
255	Level 6	8'6" x 18 x 70°
44	Level 6	8'6" x 18 x 90°
10	Level 6	9 x 18 x 5 x 90° ADA
<b>Level 6: 409</b>		
<b>Grand total: 2160</b>		

NOTE: SEE SHEET 003 FOR CONTRACTOR PARKING DURING THE EAST ADDITION PHASE




ISOMETRIC KEY DIAGRAM  
N15

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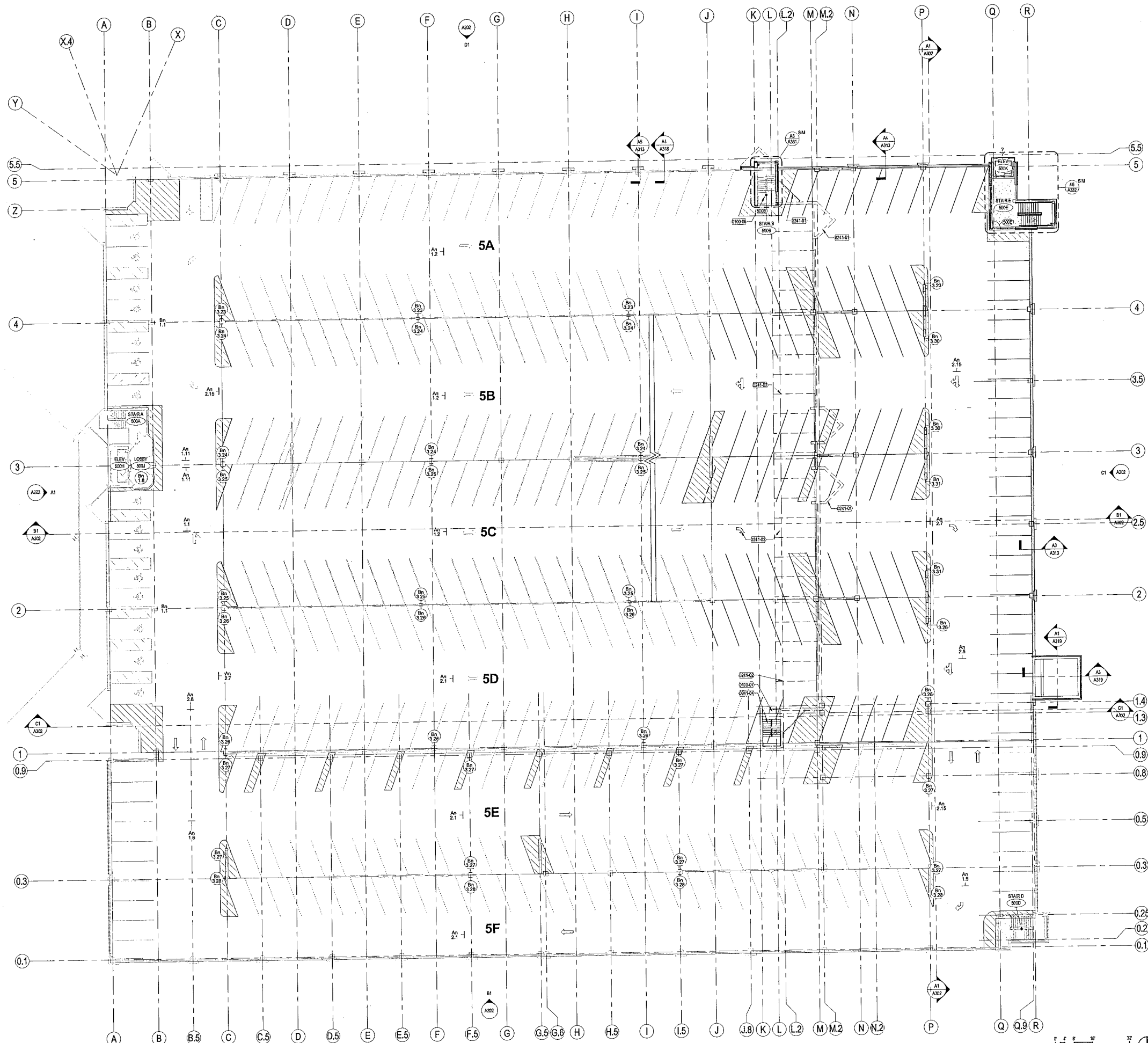
State of Wisconsin  
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Division of Facilities Development  
  
610 Highland Avenue  
Madison, Wisconsin 53702

UW Hospital Ramp Expansion  
University of Wisconsin - Madison  
Madison, Wisconsin  
Sheet Title: FOURTH LEVEL EAST ADDITION PLAN

Revisions:

No.	Date:	Description:

Graphic Scale: 0 4 8 12'  
DFD Number: 12B1K  
Set Type: PR  
Date Issued: 09/13/2013  
Sheet Number: **A104-3**



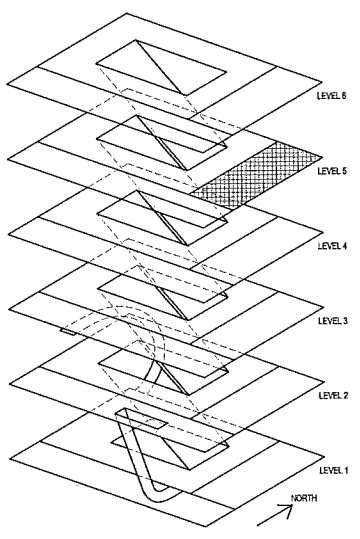
**KEYNOTES PER SHEET**

0100-06	STAIR B AND ASSOCIATED EXIT PATH TO REMAIN INTACT UNTIL WORK AT STAIR D IS COMPLETE
0100-07	STAIR C AND ASSOCIATED EXIT PATH TO REMAIN INTACT UNTIL WORK AT STAIR B AND STAIR D IS COMPLETE
0201-01	WALL AND ANY ASSOCIATED DOORS AND WINDOWS TO BE DEMOLISHED
0201-02	REMOVE EXISTING PARKING STRIPING AND RESTRICTIONS AS SHOWN
0201-04	REMOVE EXISTING STAIRS AND RAILING

**PARKING SCHEDULE - EAST ADDITION**

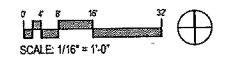
Count	Level	Type
3	Level 1	8 x 18 x 8 x 90° ADA
35	Level 1	8'6" x 18 x 70°
32	Level 1	8'6" x 18 x 90°
135	Level 1	8'6" x 18 x 90° Valet
<b>Level 1: 205</b>		
1	Level 2	8 x 18 x 5 x 90° ADA
11	Level 2	8'6" x 18 x 50° Oversize
7	Level 2	8'6" x 18 x 50° Univ
248	Level 2	8'6" x 18 x 70°
25	Level 2	8'6" x 18 x 90°
1	Level 2	8'6" x 18 x 90° Valet
2	Level 2	9 x 18 x 5 x 70° ADA
12	Level 2	9 x 18 x 5 x 90° ADA
5	Level 2	9 x 18 x 8 x 50° ADA
5	Level 2	9 x 18 x 8 x 50° ADA
<b>Level 2: 317</b>		
2	Level 3	8 x 18 x 5 x 90° ADA
93	Level 3	8'6" x 16'6" x 70°
256	Level 3	8'6" x 18 x 70°
44	Level 3	8'6" x 18 x 90°
14	Level 3	9 x 18 x 5 x 90° ADA
<b>Level 3: 409</b>		
7	Level 4	8 x 18 x 5 x 90° ADA
93	Level 4	8'6" x 16'6" x 70°
257	Level 4	8'6" x 18 x 70°
45	Level 4	8'6" x 18 x 90°
10	Level 4	9 x 18 x 5 x 90° ADA
<b>Level 4: 412</b>		
5	Level 5	8 x 18 x 5 x 90° ADA
93	Level 5	8'6" x 16'6" x 70°
255	Level 5	8'6" x 18 x 70°
44	Level 5	8'6" x 18 x 90°
10	Level 5	9 x 18 x 5 x 90° ADA
1	Level 5	9 x 18 x 5 x 90° ADA
<b>Level 5: 408</b>		
5	Level 6	8 x 18 x 5 x 90° ADA
95	Level 6	8'6" x 16'6" x 70°
255	Level 6	8'6" x 18 x 70°
44	Level 6	8'6" x 18 x 90°
10	Level 6	9 x 18 x 5 x 90° ADA
<b>Level 6: 409</b>		
<b>Grand total: 2160</b>		

NOTE: SEE SHEET 0003 FOR CONTRACTOR PARKING DURING THE EAST ADDITION PHASE



ISOMETRIC KEY DIAGRAM


**A1 PARKING LEVEL 5 FLOOR PLAN - PHASE 3**  
1/16" = 1'-0"



SCALE: 1/16" = 1'-0"

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133 East Center Street  
Milwaukee, WI 53202  
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122 West Wisconsin Ave. 4th Fl.  
Milwaukee, WI 53233  
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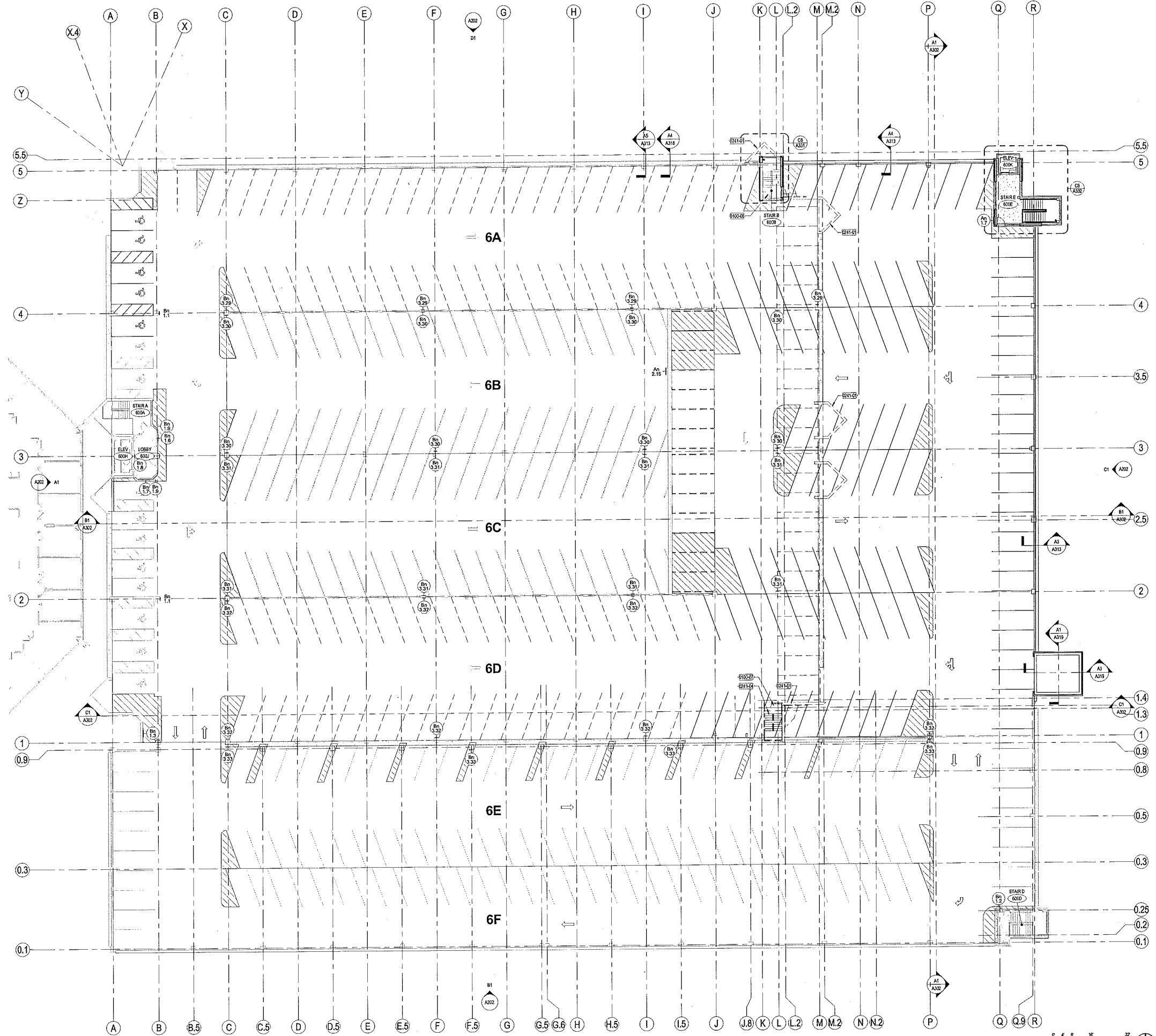
State of Wisconsin  
Department of Administration  
Division of Facilities Development  
  
610 Highland Avenue  
Madison, Wisconsin 53792

UW Hospital Ramp Expansion  
University of Wisconsin - Madison  
Madison, Wisconsin  
Sheet Title:  
FIFTH LEVEL EAST ADDITION PLAN

Revisions:

No.	Date:	Description:

Graphic Scale  
DFD Number: 12B1K  
Set Type: PR  
Date Issued: 09/13/2013  
Sheet Number: **A105-3**



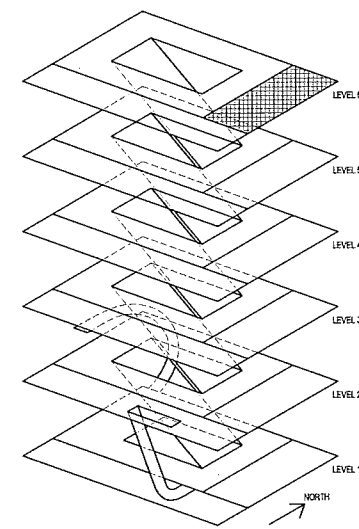
**KEYNOTES PER SHEET**

0100-06	STAIR B AND ASSOCIATED EXIT PATH TO REMAIN INTACT UNTIL WORK AT STAIR D IS COMPLETE
0100-07	STAIR C AND ASSOCIATED EXIT PATH TO REMAIN INTACT UNTIL WORK AT STAIR B AND STAIR D IS COMPLETE
0241-01	HALL AND ANY ASSOCIATED DOORS AND WINDOWS TO BE DEMOLISHED
0241-04	REMOVE EXISTING STAIRS AND RAILING

**PARKING SCHEDULE - EAST ADDITION**

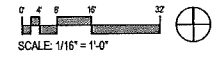
Count	Level	Type
3	Level 1	8 x 18 x 8 x 90° ADA
35	Level 1	8'6" x 18 x 70°
32	Level 1	8'6" x 18 x 90°
135	Level 1	8'6" x 18 x 90° Valet
<b>Level 1: 205</b>		
1	Level 2	8 x 18 x 5 x 90° ADA
11	Level 2	8'6" x 18 x 50° Oversize
7	Level 2	8'6" x 18 x 50° Univ
248	Level 2	8'6" x 18 x 70°
25	Level 2	8'6" x 18 x 90°
1	Level 2	8'6" x 18 x 90° Valet
2	Level 2	9 x 18 x 5 x 70° ADA
12	Level 2	9 x 18 x 5 x 90° ADA
5	Level 2	9 x 18 x 8 x 50° ADA
5	Level 2	9 x 18 x 8 x 50° ADA
<b>Level 2: 317</b>		
2	Level 3	8 x 18 x 5 x 90° ADA
93	Level 3	8'6" x 16'6" x 70°
256	Level 3	8'6" x 18 x 70°
44	Level 3	8'6" x 18 x 90°
14	Level 3	9 x 18 x 5 x 90° ADA
<b>Level 3: 409</b>		
7	Level 4	8 x 18 x 5 x 90° ADA
93	Level 4	8'6" x 16'6" x 70°
257	Level 4	8'6" x 18 x 70°
45	Level 4	8'6" x 18 x 90°
10	Level 4	9 x 18 x 5 x 90° ADA
<b>Level 4: 412</b>		
5	Level 5	8 x 18 x 5 x 90° ADA
93	Level 5	8'6" x 16'6" x 70°
255	Level 5	8'6" x 18 x 70°
44	Level 5	8'6" x 18 x 90°
10	Level 5	9 x 18 x 5 x 90° ADA
1	Level 5	9 x 18 x 5 x 90° ADA
<b>Level 5: 408</b>		
5	Level 6	8 x 18 x 5 x 90° ADA
95	Level 6	8'6" x 16'6" x 70°
255	Level 6	8'6" x 18 x 70°
44	Level 6	8'6" x 18 x 90°
10	Level 6	9 x 18 x 5 x 90° ADA
<b>Level 6: 409</b>		
<b>Grand total: 2160</b>		

NOTE: SEE SHEET 6033 FOR CONTRACTOR PARKING DURING THE EAST ADDITION PHASE



ISOMETRIC KEY DIAGRAM


**A1** PARKING LEVEL 6 FLOOR PLAN - PHASE 3  
1/8" = 1'-0"



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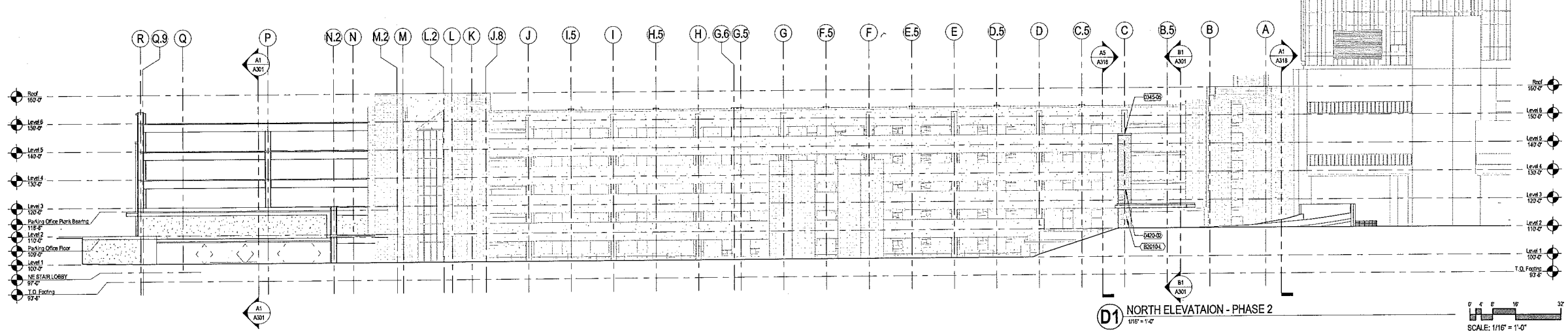
State of Wisconsin  
Department of Administration  
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Madison, Wisconsin 53732

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University of Wisconsin - Madison  
Madison, Wisconsin  
Sheet Title:  
SIXTH LEVEL EAST ADDITION PLAN

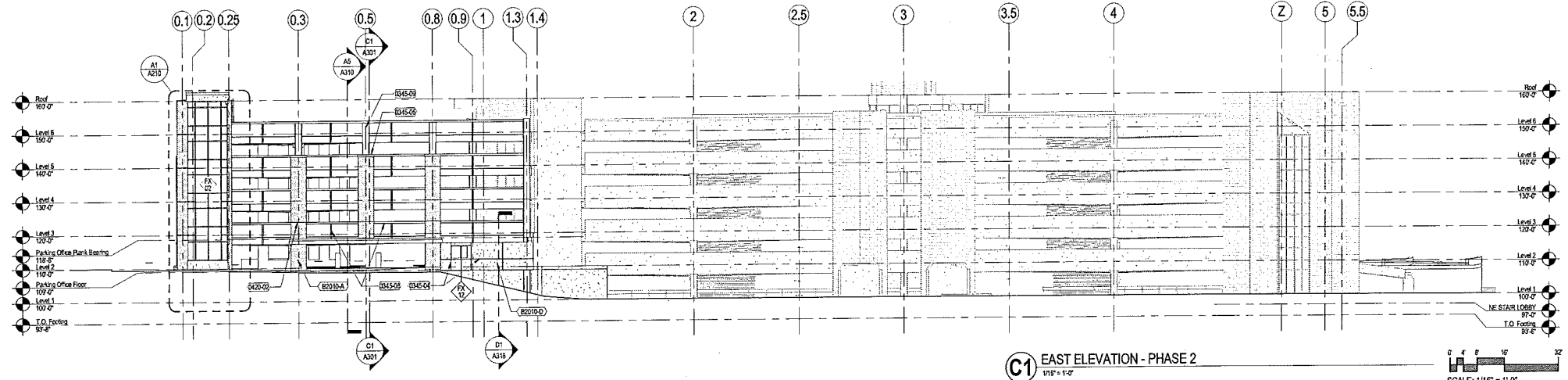
Revisions:

No.	Date	Description

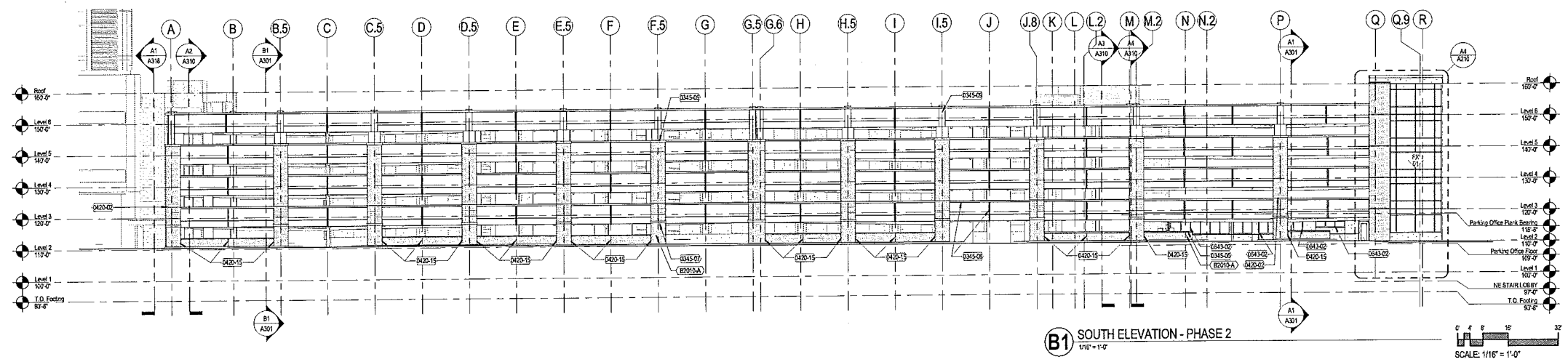
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DFD Number: 1281K  
Set Type: PR  
Date Issued: 09/13/2013  
Sheet Number: **A106-3**



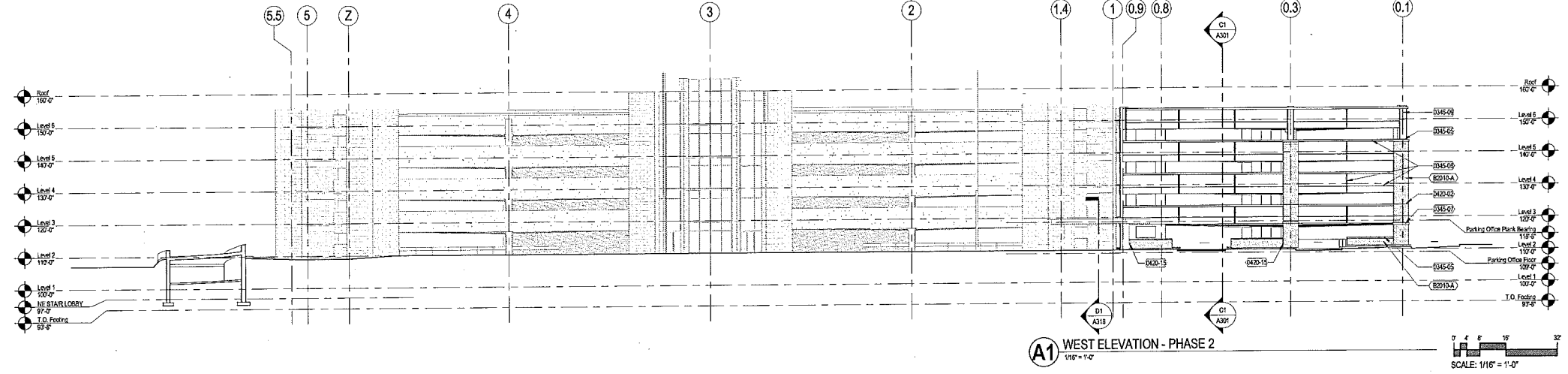
**D1 NORTH ELEVATION - PHASE 2**  
1/16" = 1'-0"



**C1 EAST ELEVATION - PHASE 2**  
1/16" = 1'-0"



**B1 SOUTH ELEVATION - PHASE 2**  
1/16" = 1'-0"



**A1 WEST ELEVATION - PHASE 2**  
1/16" = 1'-0"


**KEYNOTES PER SHEET**

0345-04	ARCHITECTURAL PRECAST CONCRETE REVEAL
0345-05	ARCHITECTURAL PRECAST WALL CAP
0345-07	ARCHITECTURAL PRECAST ACCENT BAND
0345-08	ARCHITECTURAL PRECAST CONCRETE - EXPOSED AGGREGATE FINISH WITH REVEAL
0345-09	ARCHITECTURAL PRECAST ACCENT COLUMN
0420-02	MASONRY MOVEMENT JOINT WITH BACKER ROD AND SEALANT
0420-15	MASONRY CONTROL JOINT WITH BACKER ROD AND SEALANT
0543-02	ALUMINUM STOREFRONT GLAZING SYSTEM
82010-A	BRICK VENEER, AIRSPACE, PRECAST CONCRETE
82010-D	ARCHITECTURAL PRECAST CONCRETE, AIRSPACE, 2" RIGID INSULATION, FLUOROPOLYMER BARRIER, EXTERIOR GYPSUM SHEATHING, METAL STUDS
82010-L	BRICK VENEER, CAVITY-GROUTED SOLID CMU

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608.261.1113

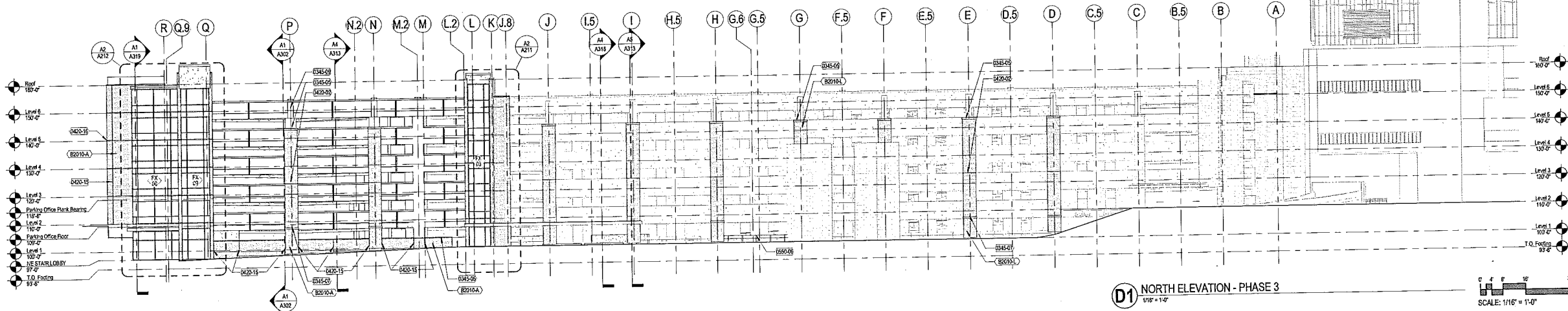
State of Wisconsin  
Department of Administration  
Division of Facilities Development  
  
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Madison, Wisconsin 53732

UW Hospital Ramp Expansion  
University of Wisconsin - Madison  
Madison, Wisconsin  
Sheet Title:  
EXTERIOR ELEVATIONS - SOUTH-ADDITION

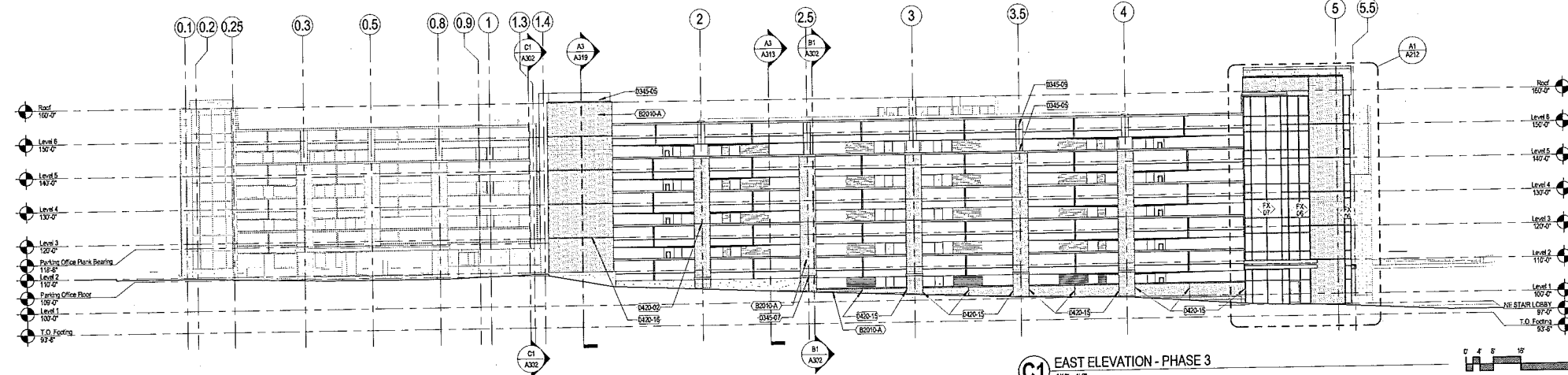
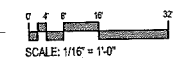
Revisions:

No.	Date	Description

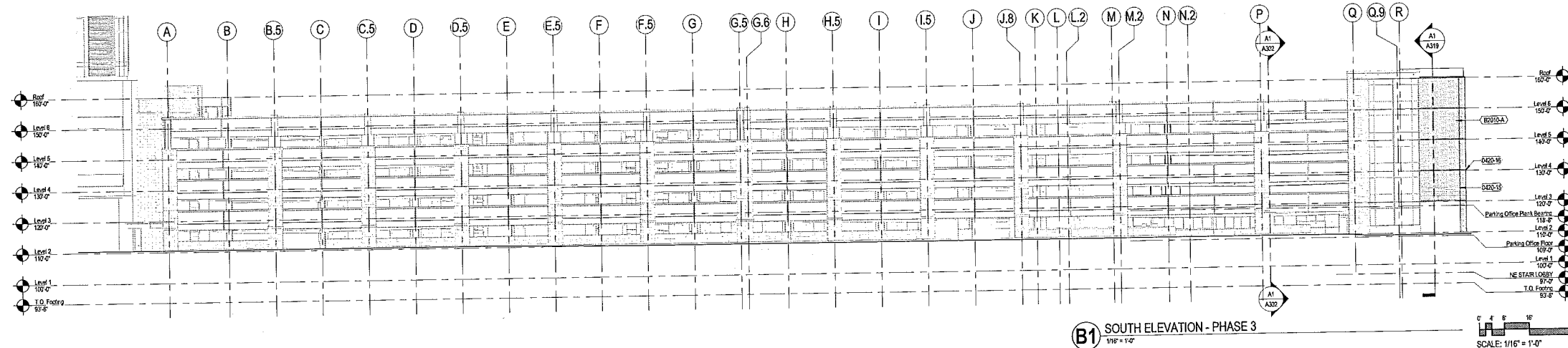
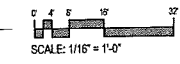
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DFD Number: 12B1K  
Set Type: PR  
Date Issued: 09/13/2013  
Sheet Number: A201



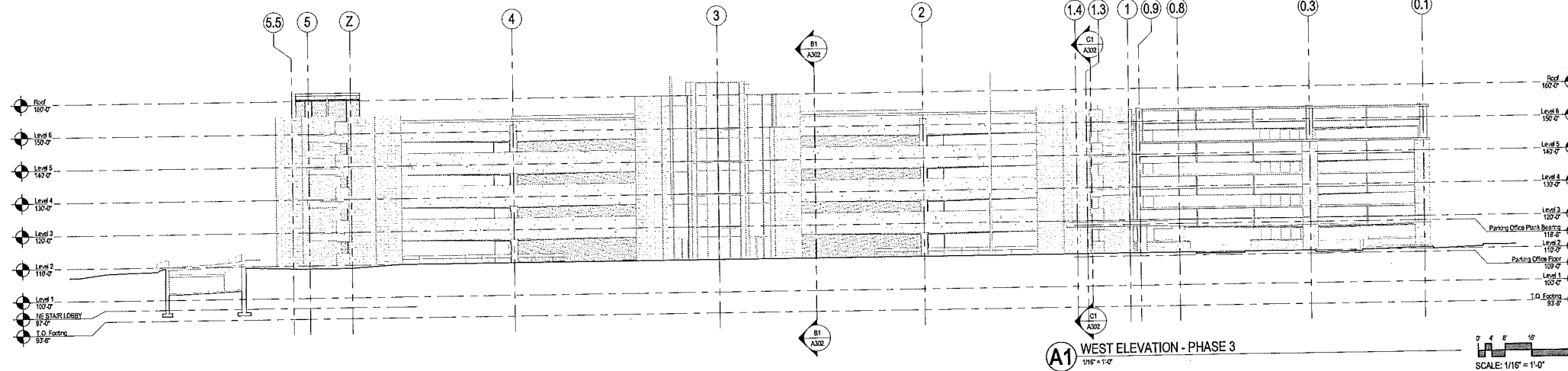
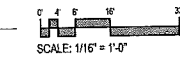
**D1 NORTH ELEVATION - PHASE 3**  
1/16" = 1'-0"



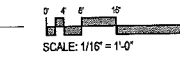
**C1 EAST ELEVATION - PHASE 3**  
1/16" = 1'-0"



**B1 SOUTH ELEVATION - PHASE 3**  
1/16" = 1'-0"



**A1 WEST ELEVATION - PHASE 3**  
1/16" = 1'-0"



**KEYNOTES PER SHEET**

0445-05	ARCHITECTURAL PRECAST TULL CAP
0445-07	ARCHITECTURAL PRECAST ACCENT BAND
0445-09	ARCHITECTURAL PRECAST ACCENT COLUMN
0400-02	MASONRY MOVEMENT JOINT WITH BACKER ROD AND SEALANT
0400-15	MASONRY CONTROL JOINT WITH BACKER ROD AND SEALANT
0400-16	BRICK REVEAL
0600-08	PAINTED METAL RAIL TO MATCH EXISTING
02010-A	BRICK VENEER, AIRSPACE, PRECAST CONCRETE
02010-L	BRICK VENEER, CAVITY GROUDED SOLID, CMU

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State of Wisconsin  
Department of Administration  
Division of Facilities Development



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UW Hospital Ramp Expansion  
University of Wisconsin - Madison  
Madison, Wisconsin

Sheet Title:  
EXTERIOR ELEVATIONS - EAST ADDITION

Revisions:

No.	Date	Description

Graphic Scale: 1/16" = 1'-0"

DFD Number: 1281K

Set Type: PR

Date Issued: 09/13/2013

Sheet Number: **A202**

Consultant:

State of Wisconsin  
 Department of Administration  
 Division of Facilities Development

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Sheet Title: ELECTRICAL SITE LIGHTING PHOTOMETRICS

Revisions:  
 No. Date: Description:

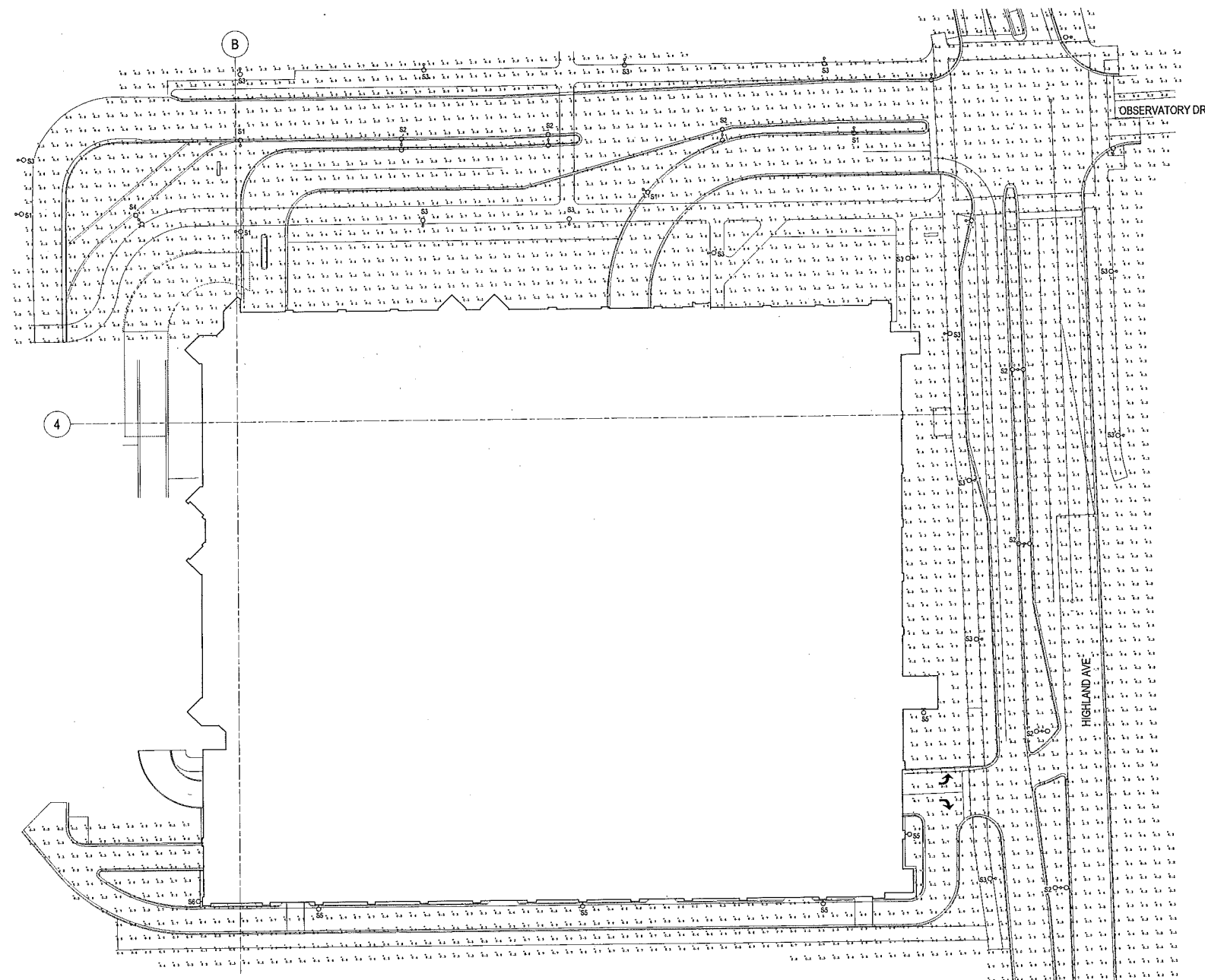
Graphic Scale

DFD Number: 1281K

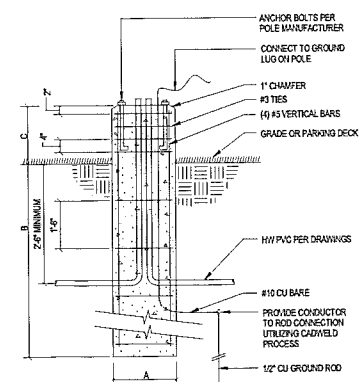
Set Type: PR

Date Issued: 09/13/2013

Sheet Number: E052



**1 ELECTRICAL NEW SITE LIGHTING**  
 1" = 30'-0"



**DIMENSIONS**

S1 AND S2	S3 AND S4
A = 12"	A = 12"
B = 6"	B = 6"
C = 24"	A = 6"

**2 SITE POLE BASE DETAIL**  
 NTS

**Reset Form**

**KIM LIGHTING**  
 The Architect: AR  
 Type: AR  
 Job: AR  
 Catalog number: AR

Specifications:  
 [Diagram of KIM lighting fixture]  
 [Text specifications for KIM lighting fixture]

**Reset Form**

**KIM LIGHTING**  
 The Architect: SAR  
 Type: SAR  
 Job: SAR  
 Catalog number: SAR

Specifications:  
 [Diagram of KIM lighting fixture]  
 [Text specifications for KIM lighting fixture]

**Reset Form**

**KIM LIGHTING**  
 The Architect: PRA  
 Type: PRA  
 Job: PRA  
 Catalog number: PRA

Specifications:  
 [Diagram of KIM lighting fixture]  
 [Text specifications for KIM lighting fixture]

**LIGHTING FIXTURE SCHEDULE**

**NOTE:** SEE SPECIFICATIONS SECTIONS 26 51 13, 26 55 25 AND 26 51 13 FOR ADDITIONAL INFORMATION REGARDING LIGHTING FIXTURE AND INSTALLATION REQUIREMENTS. PROVIDE OPTIONS AND ACCESSORIES REFERENCED BY THE COLUMN TITLED "OPTIONS/ACCESSORIES". MANUFACTURER NAMES AND CATALOG NUMBER ARE USED FOR ESTABLISHING THE QUALITY AND PERFORMANCE ONLY. EQUIPMENT MANUFACTURERS BY OTHERS ARE EQUALLY ACCEPTABLE PROVIDED THEY MEET OR EXCEED QUALITY AND PERFORMANCE.

**ABBREVIATIONS:**  
 DW = DRY WALL  
 ES = EXPOSED STRUCTURE  
 F = FLUORESCENT  
 HPS = HIGH PRESSURE SODIUM  
 I = INCANDESCENT  
 L = LED  
 LO = LAY-IN GRID  
 MH = METAL HALIDE  
 P = PENDANT  
 PL = PLASTER  
 R = RECESS  
 S = SURFACE  
 W = WALL MOUNTED  
 V = VARIES  
 UNV = UNIVERSAL VOLTAGE 120-277V

DES.	DESCRIPTION	LIGHTING FIXTURE		LAMP DATA		BALLAST DATA		VOLT	MOUNT TYPE	CEILING TYPE	MOUNT HEIGHT	FIXTURE DEPTH	OPTIONS/ACCESSORIES	SEE NOTE
		MANUFACTURER	CATALOG SERIES	NO.	CATALOG NO.	MFG.	CAT. NO.							
S1	SINGLE HEAD 25'-0" POLE MOUNTED	KIM LIGHTING	1A-AR-3-120L-4K-277-BL	-	LED	UNIVERSAL	02	277	POLE	NA	25'-0"	3'-1/4"	PRA25-618-A-BL	1
S2	TWIN HEAD 25'-0" POLE MOUNTED	KIM LIGHTING	2B-AR-3-120L-4K-277-BL	-	LED	UNIVERSAL	02	277	POLE	NA	25'-0"	3'-1/4"	PRA25-618-B-BL	1
S3	SINGLE HEAD 12'-0" POLE MOUNTED	KIM LIGHTING	1A-SAR-3-60L-4K-277-BL	-	LED	UNIVERSAL	02	277	POLE	NA	12'-0"	3'-1/4"	PRA12-4125-A-BL	1
S4	TWIN HEAD 12'-0" POLE MOUNTED	KIM LIGHTING	2B-SAR-3-60L-4K-277-BL	-	LED	UNIVERSAL	02	277	POLE	NA	12'-0"	3'-1/4"	PRA12-4125-B-BL	1
S5	WALL MOUNTED 25'-0" TYPE 3	KIM LIGHTING	1W-AR-3-120L-4K-277-BL	-	LED	UNIVERSAL	02	277	POLE	NA	25'-0"	3'-1/4"	-	1
S6	WALL MOUNTED 25'-0" TYPE 4	KIM LIGHTING	1W-AR-4-120L-4K-277-BL	-	LED	UNIVERSAL	02	277	POLE	NA	25'-0"	3'-1/4"	-	1

**LIGHTING FIXTURE SCHEDULE NOTES:**  
 1. UW MADISON CAMPUS STANDARD. SINGLE SOURCE ITEM, NO SUBSTITUTIONS ALLOWED.

**CALCULATION SUMMARY**

LABEL	CALC TYPE	UNITS	AVG	MAX	MIN	AVG/MIN	MAX/MIN
SITE	ILLUMINANCE	FC	0.90	5.3	0.1	3.00	53.00