

# Dane County Conditional Use Permit Application


<b>Application Date</b>	<b>C.U.P Number</b>
08/25/2014	DCPCUP-2014-02291
<b>Public Hearing Date</b>	
10/28/2014	

OWNER INFORMATION		AGENT INFORMATION	
OWNER NAME WISCONSIN ELECTRIC POWER CO	Phone with Area Code (414) 221-2718	AGENT NAME ENBRIDGE ENERGY COMPANY	Phone with Area Code (218) 623-7577
BILLING ADDRESS (Number, Street) 231 W MICHIGAN ST		ADDRESS (Number, Street) 4628 MIKE COLALILLO DR	
(City, State, Zip) MILWAUKEE, WI 53201		(City, State, Zip) DULUTH, MN 53807	
E-MAIL ADDRESS ARLENE.BUTTKE@WE-ENERGIES.COM		E-MAIL ADDRESS AARON.MADSEN@ENBRIDGE.COM	

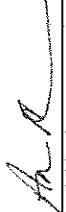
ADDRESS/LOCATION 1		ADDRESS/LOCATION 2		ADDRESS/LOCATION 3	
ADDRESS OR LOCATION OF CUP		ADDRESS OR LOCATION OF CUP		ADDRESS OR LOCATION OF CUP	
5635					
TOWNSHIP MEDINA	SECTION 14	TOWNSHIP	SECTION	TOWNSHIP	SECTION
PARCEL NUMBERS INVOLVED		PARCEL NUMBERS INVOLVED		PARCEL NUMBERS INVOLVED	
0812-144-8002-0		---		---	

CUP DESCRIPTION
PIPELINE

DANE COUNTY CODE OF ORDINANCE SECTION	ACRES
10.123(3)(C)	43.85

<b>DEED RESTRICTION REQUIRED?</b>  <input type="checkbox"/> Yes <input type="checkbox"/> No  Applicant Initials _____	<b>Inspectors Initials</b>  HJH3	<b>SIGNATURE: (Owner or Agent)</b> 
		<b>PRINT NAME:</b> AARON MADSEN
		<b>DATE:</b> 09/02/14

# Dane County Conditional Use Permit Application

Application Date 08/25/2014		C.U.P. Number DOPCUP-2014-02291	
Public Hearing Date 10/28/2014			
<b>OWNER INFORMATION</b>			
OWNER NAME WISCONSIN ELECTRIC POWER CO	Phone With Area Code (414) 221-2718	AGENT NAME ENBRIDGE ENERGY COMPANY	
BILLING ADDRESS (Number, Street) 231 W MICHIGAN ST		Phone With Area Code (218) 623-7577	
ADDRESS/LOCATION 1			
(City, State, Zip) MILWAUKEE, WI 53201		ADDRESS (Number, Street) 4628 MIKE COLALILLO DR	
E-MAIL ADDRESS ARLENE.BUTTIKE@WE-ENERGIES.COM		E-MAIL ADDRESS AARON.MADSEN@ENBRIDGE.COM	
<b>ADDRESS/LOCATION 2</b>			
ADDRESS OR LOCATION OF CUP 5635		ADDRESS OR LOCATION OF CUP	
TOWNSHIP MEDINA	SECTION 14	TOWNSHIP	SECTION
PARCEL NUMBERS INVOLVED 0812-144-8002-0		PARCEL NUMBERS INVOLVED	
<b>CUP DESCRIPTION</b>			
PIPELINE			
<b>DANE COUNTY CODE OF ORDINANCE SECTION</b>			
10.123(3)(C)			ACRES 43.85
DEED RESTRICTION REQUIRED? <input type="checkbox"/> Yes <input type="checkbox"/> No		Inspectors Initials HJH3	SIGNATURE (Owner or Agent) 
Applicant Initials		PRINT NAME: AARON MADSEN	
		DATE: 09/02/14	

Cup 2291



Aaron Madsen  
Supervisor Eng & Const.  
Major Projects – SA1200/SAX

Dane County Dept. of Planning & Development  
210 Martin Luther King Jr., Blvd, Room 116  
Madison, WI 53703

August 19, 2014

To whom it may concern:

**RE: Conditional Use Permit – Waterloo Pump station**

Included with this letter is the Conditional Use application and Fee Check for the proposed Enbridge Waterloo Pump station.

Please contact me if you have any questions or need additional information/plans.

Sincerely,

A handwritten signature in black ink, appearing to read 'Aaron Madsen'.

Aaron Madsen, P.E.,

**RECEIVED**

AUG 22 2014

DANE COUNTY PLANNING & DEVELOPMENT



DANE COUNTY  
**PLANNING DEVELOPMENT**

**Conditional Use Application**

Application Fee: \$486 Mineral Extraction: \$1136

Zoning Division  
Room 116, City-County Building  
210 Martin Luther King Jr. Blvd.  
Madison, Wisconsin 53703-3342  
Phone: (608) 266-4266  
Fax: (608) 267-1540

Items required to be submitted with application:

- o Written Legal Description of Conditional Use Permit boundaries
- o Scaled drawing of the property showing existing/proposed buildings, setback requirements, driveway, parking area, outside storage areas, location/type of exterior lighting, any natural features, and proposed signs.
- o Scaled map showing neighboring area land uses and zoning districts
- o Written operations plan describing the items listed below (additional items needed for mineral extraction sites)
- o Written statement on how the proposal meets the 6 standards of a Conditional Use

Owner	<u>WISCONSIN ELEC. POWER COMPANY</u>	Agent	<u>ENBRIDGE ENERGY CO., ATTN: AARON MADSEN</u>
Address	<u>231 WEST MICHIGAN STREET A252</u>	Address	<u>4628 MIKE COLALILLO DR.</u>
Phone	<u>MILWAUKEE WI 53201</u>	Phone	<u>DULUTH MN, 55807</u>
	<u>414-221-2718</u>		<u>218-623-7577</u>
Email	<u>arlene.buttker@we-energies.com</u>	Email	<u>AARON.MADSEN@ENBRIDGE.COM</u>

Parcel numbers affected: 081214480019 Town: MEDINA Section: 14  
0812-144-8002-0 *Retired 15/14* Property Address: 5635 CHERRY LANE

Existing/ Proposed Zoning District : A-1 (EX)

- o Type of Activity proposed:  
PETROLEUM PUMP STATION
- o Hours of Operation 24hrs
- o Number of employees 1-2 NORMALLY
- o Anticipated customers - 0
- o Outside storage - NO
- o Outdoor activities - MAINTENANCE ONLY
- o Outdoor lighting - YES
- o Outside loudspeakers - NO
- o Proposed signs - SMALL FENCE MOUNTED, EMERGENCY CONTACT INFO SIGNAGE
- o Trash removal - NO
- o Six Standards of CUP (see back) - SEE ATTACHED

The statements provided are true and provide an accurate depiction of the proposed land use. I authorize that I am the owner or have permission to act on behalf of the owner of the property.

Submitted By: *[Signature]*  
Mgr of Property M&T

Date: 8/19/14

1. The establishment, maintenance or operation of the conditional use will not be detrimental to or endanger the public health, safety, comfort or general welfare.
  - In an effort to increase access to abundant, secure and reliable North American petroleum resources, Enbridge is proposing to expand the average annual capacity of Line 61 (formerly known during construction as the "Southern Access Project") to 1.2 million barrels per day (bpd). Enbridge is planning a series of pump station upgrades on Line 61, which transports North American crude oil from Canada, Montana, and North Dakota to refineries in the Great Lakes region and beyond. No new pipeline will be constructed. The addition of pump stations will increase the existing capacity without the need for construction of a new pipeline. Line 61's capacity increase is well within original design criteria and within U.S. Department of Transportation's Pipeline and Hazardous Materials Safety Administration (PHMSA) standards.
  - One of the stations included in this expansion project is the Enbridge "Waterloo" Station, located outside of Marshall in Medina Township. Three new 6,000-horsepower electric pumps are proposed to be constructed adjacent to the existing station.
  - The proposed expansion at the Enbridge "Waterloo" pumping station has been designed to ensure that it will not be detrimental to the general public, as it is designed in conformance with PHMSA design and safety requirements..
  - Enbridge pump stations are designed, built and landscaped to minimize visual impact, thus protecting the comfort or general welfare of the nearby citizens. As well-maintained facilities, they generally have little effect on nearby landowners or the community.
  - The expanded Enbridge "Waterloo Station," like other Enbridge pump stations, will be located on several acres and include the pump units themselves, which are coupled with electric motors, the electrical switchgear equipment and above-ground valve controls as well as one or more small auxiliary or support buildings. The station will include above ground as well as underground piping. The station facilities will be secured and fenced, with lighting designed to provide security yet minimal disturbance to neighbors. Any noise from the pumps is insulated within the buildings, which look like a typical storage, or pole building; sound is similar to an air conditioner unit at about 50-feet from the fence.
  - Although a major release at a pump station is highly unlikely, Enbridge personnel are trained and prepared to respond immediately. All pump stations are monitored 24-hours a day from a state-of-the-art control center, and multiple on-site detectors and transmitters are employed to promptly initiate remote shutdown and isolation, if needed.
  - To minimize environmental impacts in the event of a release, Enbridge pump stations have protective barriers, including berms and graded soil, in place to protect the surrounding area. Berms are built according to Enbridge specifications and regulatory requirements using clay or compacted soil and grading to allow drainage to a designated area within the facility and on Enbridge property.

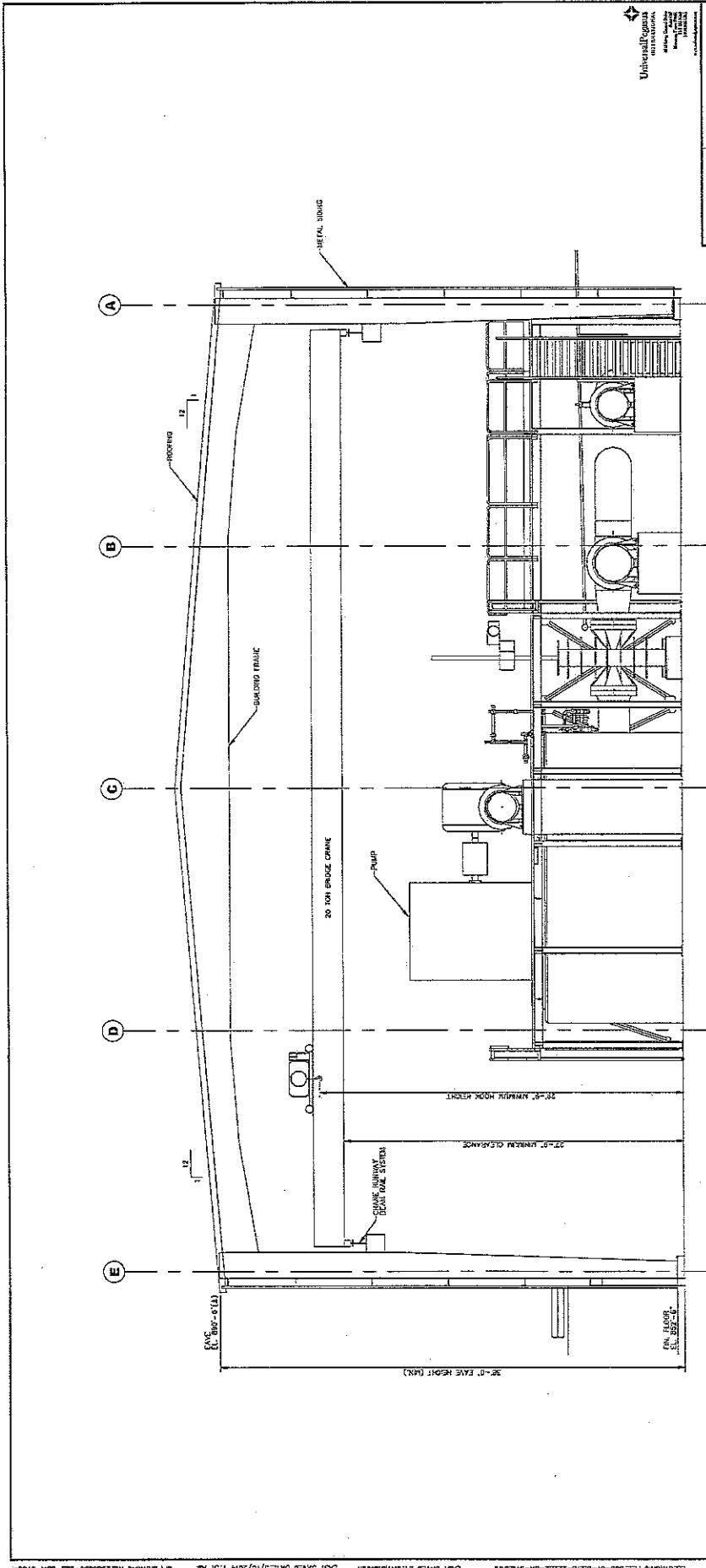
2. The uses, values, and enjoyment of other property in the neighborhood for purposes already permitted shall be in no foreseeable manner substantially impaired or diminished by establishment, maintenance or operation of the conditional use.
  - The property on which Enbridge proposed to construct its pump station is already being utilized for multiple pipeline and utility purposes. A large American Transmission Company (ATC) distribution sub-station and the existing Enbridge “Waterloo” pumping station are currently located at the site. The ATC substation provides power to Wisconsin Electric Power Company (WEPCO) for distribution to surrounding communities. The existing Enbridge pumps station is of the same use as the proposed pumping station. By expanding its existing pump station, and co-locating with other utility uses, Enbridge has maximized its existing facilities to the greatest extent possible; thereby, minimizing the impacts to the neighborhood.
  - The expanded Enbridge “Waterloo Station,” like Enbridge’s other pump stations, is designed, built and landscaped to minimize visual impact, thus protecting the comfort or general welfare of the nearby citizens.
  - Enbridge has incorporated the adjoining residential landowner’s request into the design of the station, which includes matching the new building color to that of the existing building and installing noise attenuation insulation into the pump shelter to reduce sound from the equipment housed inside.
  - The expansion at Enbridge “Waterloo Station” will not require pipeline replacement or construction outside of Enbridge facilities. All work will be performed on property Enbridge leases.
  - Station facilities are secured and fenced, with lighting designed to provide security yet minimal disturbance to neighbors. Any noise from the pumps is insulated within the buildings, which look like a typical storage, or pole building; sound is similar to an air conditioner unit at about 50 feet from the fence. Typical background noise levels from our pump stations, in a rural setting, are approximately 40 decibels at a distance of 300 meters.
  - During construction, an average of 10-12 semi-trucks will be transporting supplies to and from the facility as needed; construction workers will have their own vehicles. Once the facility is operational, there will be one to two trucks routinely travelling to and from the facility for operation and maintenance activities. Enbridge will make every effort to minimize disruption to adjacent neighbors.
  - To minimize environmental impacts in the event of a release, Enbridge pump stations have protective barriers, including berms and graded soil, in place to protect the surrounding area. Berms are built according to Enbridge specifications and regulatory requirements using clay or compacted soil and grading to allow drainage to a designated area within the facility and on Enbridge property.

3. That the establishment of the conditional use will not impede the normal and orderly development and improvement of the surrounding property for uses permitted in the district.
  - The proposed use of this property as a pumping station is similar to the existing surrounding use. ATC's distribution sub-station is on the property and Enbridge's existing pump station is on the property. The neighboring properties are agricultural in character and there are no known non-agricultural developments or improvements planned for the neighboring properties. Compatibility of Enbridge's proposed pump stations with the neighboring agricultural uses has been demonstrated based on the nearly 50 years that Enbridge has had an existing pump station at this site.
  
4. That adequate utilities, access roads, drainage and other necessary site improvements have been or are being made.
  - There are currently adequate utilities and access roads to the site. No improvements are planned to the access point onto Cherry Lane. Electricity for the pump station will be provided from the existing WEPCO substation located on the property. WEPCO has stated that the facility has sufficient excess capacity to meet the needs of the pump station.
  - A drainage and stormwater management plan has been developed for the site. This plan addresses required stormwater management improvements to the property. These improvements include drainage swales, vegetated buffer zones, containment berms and a stormwater management pond. This stormwater management plan was approved by Dane County and Wisconsin Department of Natural Resources previously. Copies of permits from both entities have been included with this application.
  
5. Adequate measures have been or will be taken to provide ingress and egress so designed as to minimize traffic congestion in the public streets.
  - The proposed pump station is located on a rural road that is not currently subject to congestion on a regular basis. The site has been designed to utilize the existing road entrance. The pump station is located over 600 feet off Cherry Road. Therefore, there is sufficient parking area to ensure that no construction vehicles will impede traffic on the public road.

6. That the conditional use shall conform to all applicable regulations of the district in which it is located.

- This includes but is not limited to:
  - U.S. Department of Transportation's Pipeline and Hazardous Materials Safety Administration (PHMSA)
  - U.S. Department of Labor's Occupational Safety & Health Administration (OSHA)
  - U.S. Army Corps of Engineers
  - Wisconsin Department of Natural Resources
  - Wisconsin State Building Code
  - Township of Medina



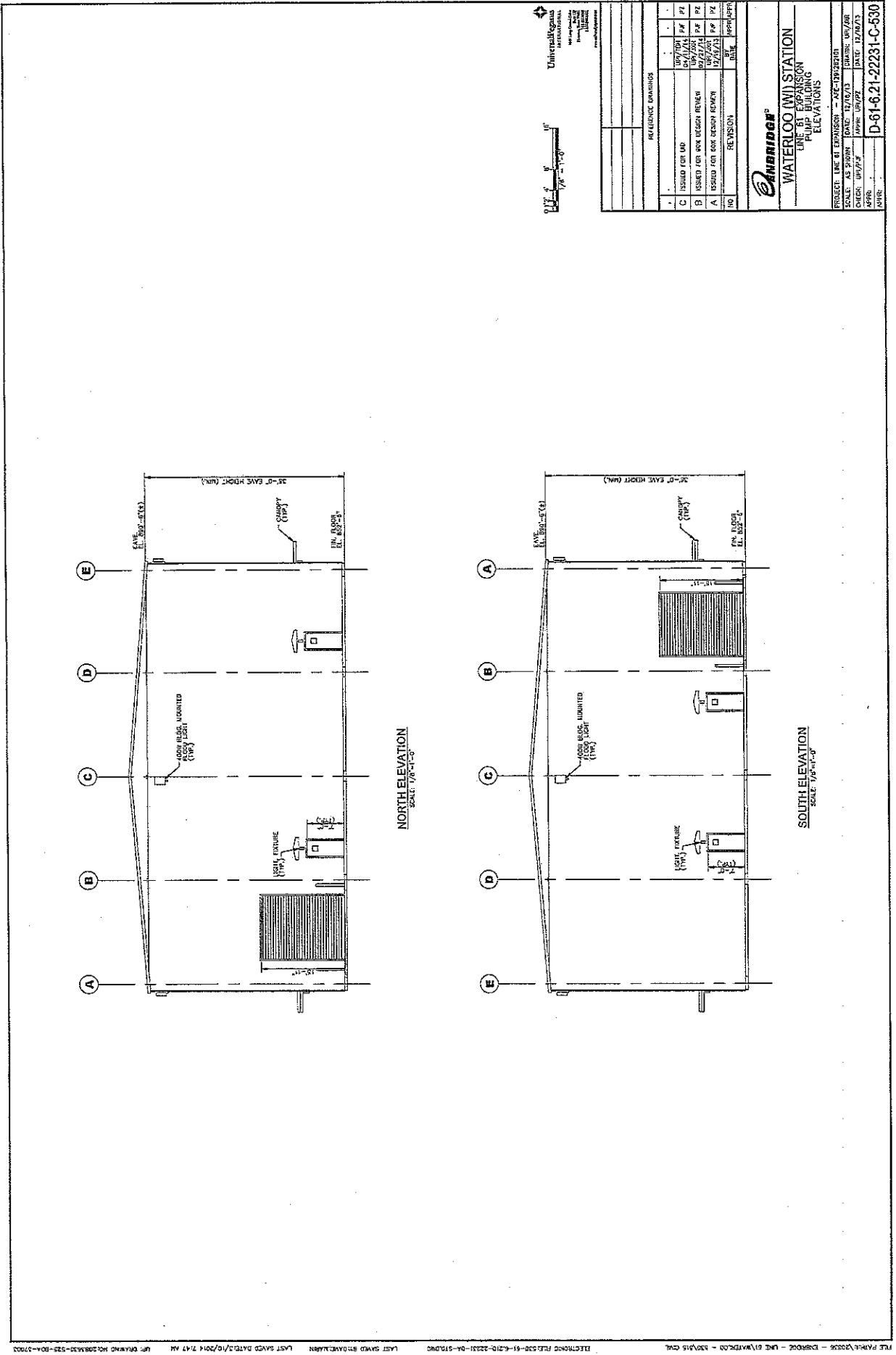


UniversalPegasus  
 11000 University Blvd.  
 Suite 100  
 Houston, TX 77057  
 281.461.1111  
 www.universalpegasus.com

REFERENCE DRAWINGS			
NO.	REVISION	DATE	APPROVAL
C	ISSUED FOR BID	04/11/13	P.F. P.F.
D	ISSUED FOR BIDDING	04/11/13	P.F. P.F.
A	ISSUED FOR BID DESIGN REVIEW	12/17/13	P.F. P.F.

**ENBRIDION**  
 WATERLOO (WI) STATION  
 LINE 61 EXPANSION  
 PUMP BUILDING  
 SECTION

PROJECT: LINE 61 EXPANSION - MCC-BUILDING  
 SCALE: 1/8" = 1'-0"  
 DATE: 12/17/13  
 DRAWN: UP/AR  
 CHECK: UP/AR  
 DATE: 12/17/13  
 APPROVED: UP/AR  
 DATE: 12/17/13  
 PROJECT NO: D-61-6.21-22232-C-530  
 SHEET NO: 1/1



UNIVERSALKONGSBERG
   
 INTERNATIONAL
   
 10000 10th Avenue, Suite 100
   
 Denver, CO 80231
   
 TEL: 303.440.0000
   
 FAX: 303.440.0001
   
 WWW: www.universal-kongsberg.com

REFERENCE DIMENSIONS

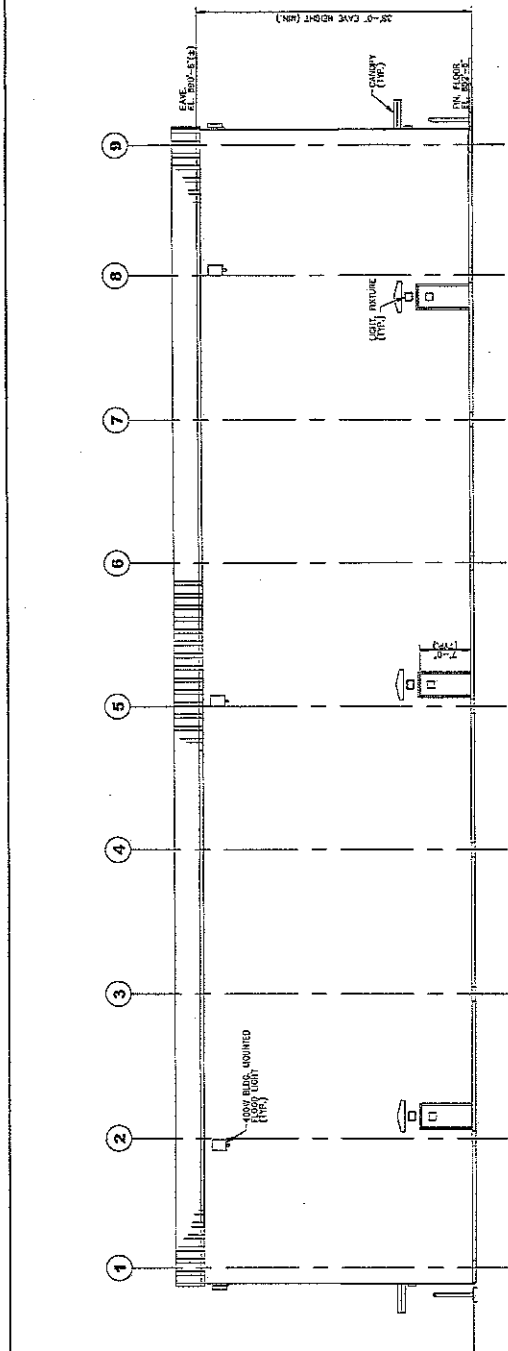
NO.	REVISION	DATE	BY	CHKD
1	ISSUED FOR IAD	04/27/14	PAF	PAF
2	ISSUED FOR PER REGION REVIEW	04/27/14	PAF	PAF
3	ISSUED FOR PER REGION REVIEW	04/27/14	PAF	PAF
4	ISSUED FOR PER REGION REVIEW	04/27/14	PAF	PAF
5	ISSUED FOR PER REGION REVIEW	04/27/14	PAF	PAF
6	ISSUED FOR PER REGION REVIEW	04/27/14	PAF	PAF
7	ISSUED FOR PER REGION REVIEW	04/27/14	PAF	PAF
8	ISSUED FOR PER REGION REVIEW	04/27/14	PAF	PAF
9	ISSUED FOR PER REGION REVIEW	04/27/14	PAF	PAF
10	ISSUED FOR PER REGION REVIEW	04/27/14	PAF	PAF

**WATERLOO WVI STATION**
  
 LIGHT FIXTURE
   
 CANOPY ELEVATIONS

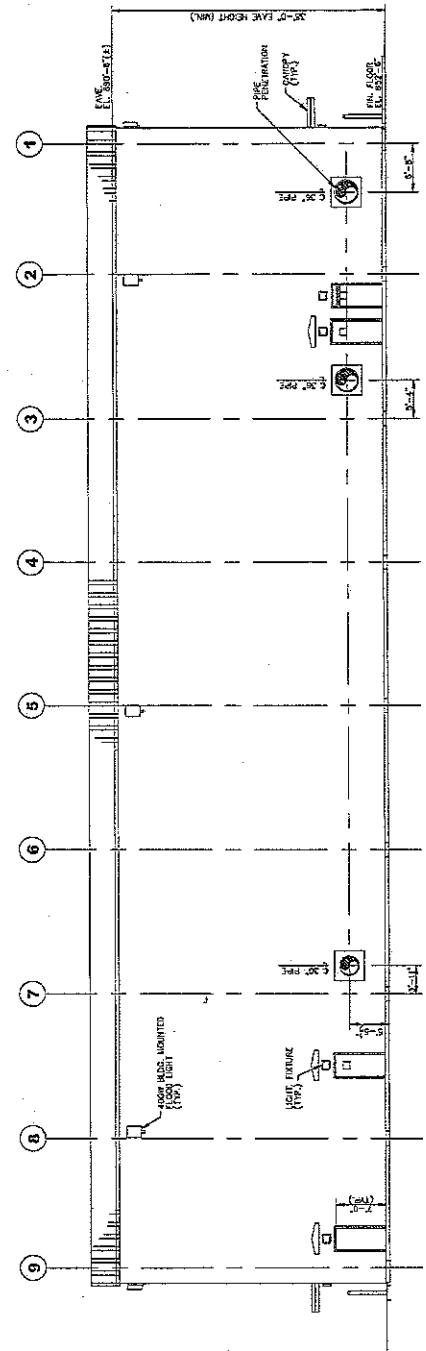
PROJECT: LINE 61 EXPOSITION - AEC-13032001
   
 SCALE: AS SHOWN
   
 DATE: 12/16/13
   
 DRAWN: UNV/AR
   
 CHECK: UNV/AF
   
 DATE: 01/26/14
   
 DATE: 12/16/13

NO. 1
   
 DATE:
   
 BY:
   
 CHKD:

**D-61-6.21-22231-C-530**



WEST ELEVATION  
SCALE: 1/8"=1'-0"



EAST ELEVATION  
SCALE: 1/8"=1'-0"



Universal  
Engineering  
INCORPORATED  
1500  
12220  
12220  
12220

REFERENCE DIAMETERS	
C	ISSUED FOR BID
B	ISSUED FOR SHOP DESIGN REVIEW
A	ISSUED FOR BOB DESIGN REVIEW
NO	REVISION
NO	DATE
NO	APPROVED

PROJECT:	LINE 61 EXPANSION
SCALE:	AS SHOWN
CHECK:	UN/2/P
DATE:	12/19/13
DATE:	12/19/13
DATE:	12/19/13
DATE:	12/19/13

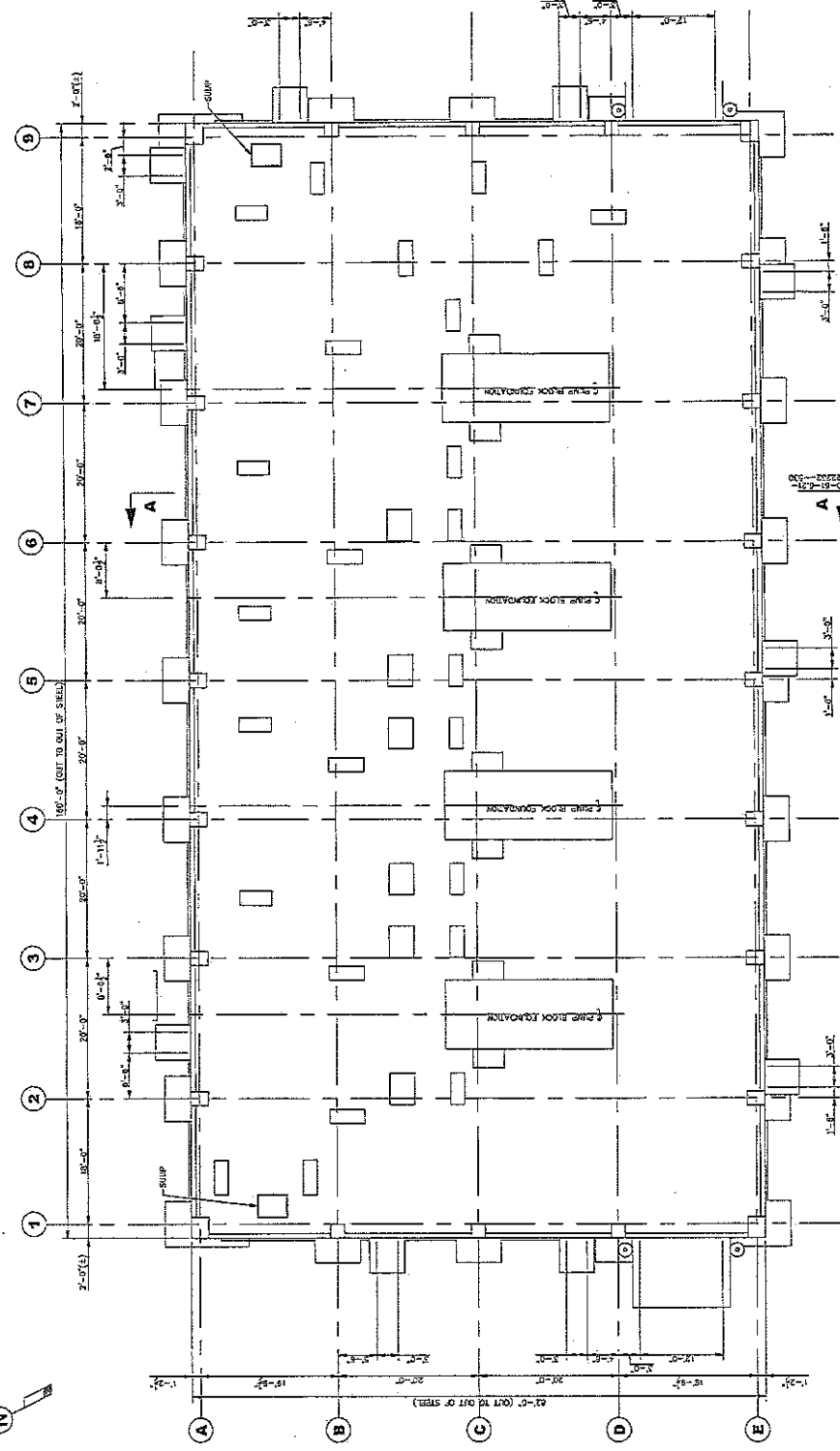
  

PROJECT:	LINE 61 EXPANSION - AEL-129220B
SCALE:	AS SHOWN
CHECK:	UN/2/P
DATE:	12/19/13
DATE:	12/19/13
DATE:	12/19/13
DATE:	12/19/13

UNIVERSAL  
ENGINEERING  
INCORPORATED  
1500  
12220  
12220  
12220

NOTES:  
 1. FURNISH, STANDARDS, DESIGN, INSTALLATION, AND  
 MAINTENANCE SHALL BE IN ACCORDANCE WITH THE  
 MOST RECENT EDITIONS OF THE FOLLOWING:



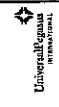
PUMP BUILDING ARCHITECTURAL FLOOR PLAN  
 1/8" = 1'-0"

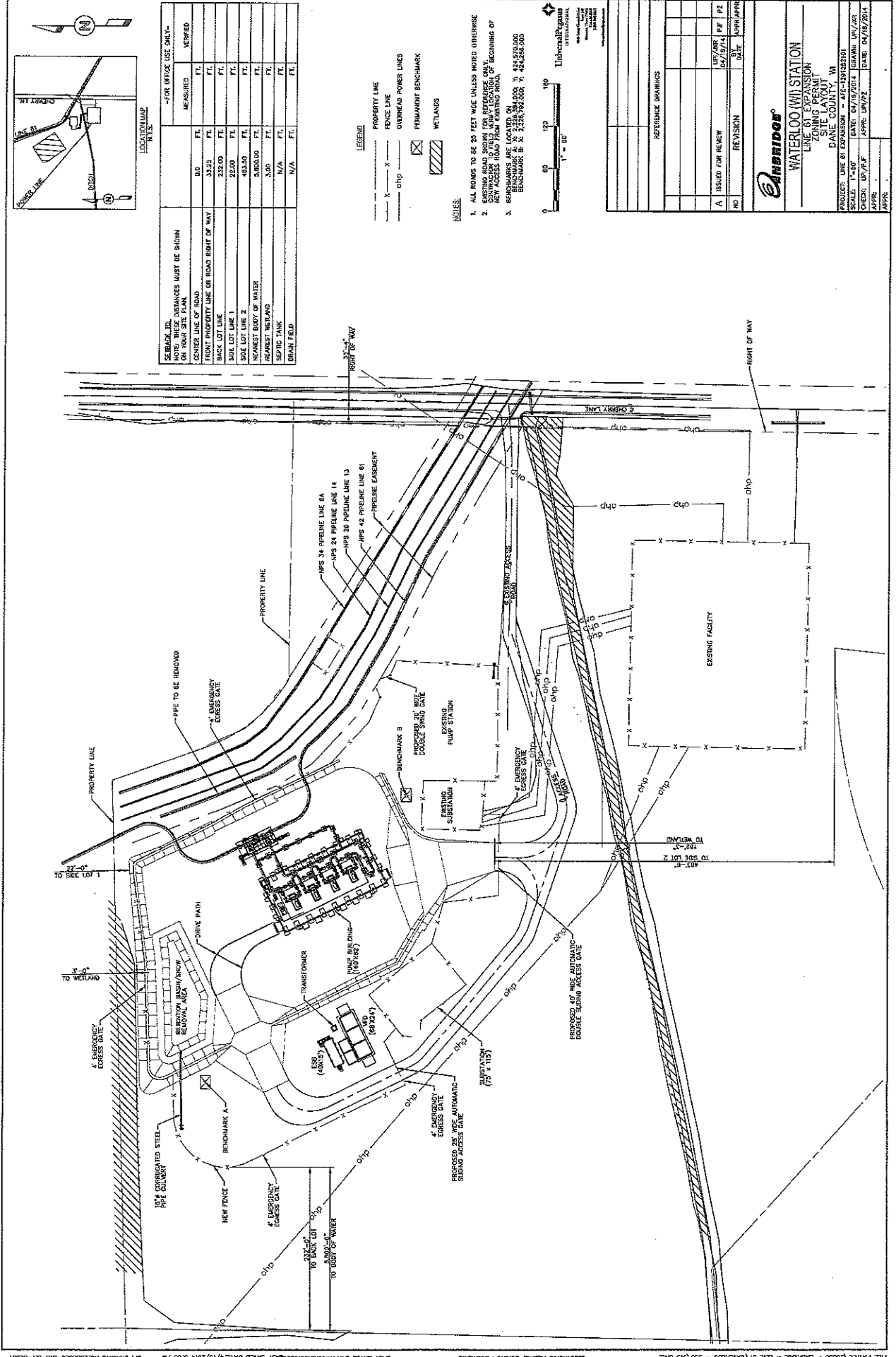
REFERENCE DRAWINGS	
C	ISSUED FOR BID
B	ISSUED FOR PERMITS REVIEW
A	ISSUED FOR GOR DESIGN REVIEW
NO.	REVISION

PROJECT	LINE 61 EXPANSION
CLIENT	WATERLOO
DATE	07/27/14
APPROVED	[Signature]
DATE	12/04/13
PROJECT NO.	D-61-6.21-22229-C-530

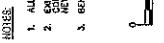
**BRIDGE**  
 WATERLOO (M) STATION  
 LINE 61 EXPANSION  
 PUMP BUILDING  
 ARCHITECTURAL FLOOR PLAN





SEBACK, ID. NOTES THESE DISTANCES MUST BE SHOWN ON YOUR SITE PLAN.

FRONT PROPERTY LINE ON ROAD RIGHT OF WAY	--FOR OFFICE USE ONLY--	
	MEASURED	SCRIPED
DD	FT.	FT.
3323	FT.	FT.
232.00	FT.	FT.
22.00	FT.	FT.
483.50	FT.	FT.
5,800.00	FT.	FT.
3.00	FT.	FT.
N/A	FT.	FT.
N/A	FT.	FT.



**UNIVERSAL DESIGN**

WATERLOO WII STATION  
 UNIVERSAL DESIGN  
 LAYOUT PERMIT  
 SITE LAYOUT  
 DANE COUNTY, WI

PROJECT: LINE 61 EXPANSION - 475-151032101  
 SCALE: 1"=50'  
 DATE: 07/19/2014 DRAWN: JWI/JOR  
 CHECK: UPT/KF APPR: UNP/ZZ DATE: 08/18/2014

FILE PATH: ZONE - BRIDGE - LINE 61 WATERLOO - 537915 DWG  
 ELECTRIC FILE: ZONE PROJECTIONS  
 LAST SAVED BY: P:\PROJECTS\2014\61\61-151032101.DWG DATE: 6/15/2014 3:05 PM  
 IPI DRAWING NO: 2006350-515-SI-12001