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State of Wisconsin
Department of Natural Resources
PO Box 7921
Madison WI 53707-7921

JUL 6 2016

High Capacity Dewatering Well Application
Form 3300-258 (R 11/02)
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Notice: Prior department approval is required for the construction, reconstruction or operation of a high capacity well or system of high capacity wells in accordance with Section NR 812.09(4)(a), Wisconsin Administrative Code. Personally identifiable information collected on this form, including such data as your name, address and phone number, will be used for management of department programs and is unlikely to be used for other purposes. This information will be addressable under Wisconsin's Open Records Laws, ss. 19.32 - 19.39, Wis. Stats.

Project Name and Description

Project Name and Description
TREMPEALEAU Lift Station #1

Dewatering System Property Owner

Name and Title <u>TODD LAKEY, DIR. OF PUBLIC WORKS</u>		Company <u>VILLAGE OF TREMPPEALEAU</u>		
Street Address <u>2455 3RD ST.</u>	City <u>TREMPEALEAU</u>	State <u>WI</u>	ZIP Code <u>54661</u>	Contact Person <u>TODD LAKEY</u>
Telephone Number <u>608.792.1735</u>	Fax Number <u>608.534.6280</u>	E-Mail Address <u>INFO@TREMPEALEAU.WI.COM</u>		

Dewatering System Operator

Name and Title <u>FRAN MODJESKI, PRESIDENT</u>		Company <u>WINONA MECHANICAL, INC.</u>		
Street Address <u>1210 E. 7TH ST.</u>	City <u>WINONA</u>	State <u>MN</u>	ZIP Code <u>55987</u>	Contact Person <u>ANDY THEISEN</u>
Telephone Number <u>507.458.5527</u>	Fax Number <u>507.453.7873</u>	E-Mail Address <u>OFFICE@WINONAMECHANICAL.COM</u>		

Proposed Dewatering System Location 4A.003801 N 91.441305 W

Quarter of the Quarter	Quarter or Government Lot Number	Section Number or French Long Lot Number <u>27</u>	
Township <u>T 18 N</u>	Range <u>R 9</u> <input type="checkbox"/> East <input checked="" type="checkbox"/> West	<input type="checkbox"/> City <input checked="" type="checkbox"/> Village <input type="checkbox"/> Civil Town <u>OF TREMPPEALEAU</u>	County <u>TREMPEALEAU</u>

Street or Grid Address (fire number)
24400 1ST ST.

Dewatering System Operation

Name of Nearest Public Utility Well <u>UNKNOWN</u>	Proposed Total Average Pumpage per Day <u>4,320,000</u>	Proposed Total Maximum Pumpage per Day <u>4,320,000</u> gallons
Distance from Public Utility Well <input type="checkbox"/> Feet <input type="checkbox"/> Miles	Discharge Location Description (e.g. storm sewer, drainage swale, settling basin, etc.) <u>STORM SEWER</u>	
Direction (e.g. WNW) to Public Utility Well	Total Number of Dewatering Wells/Points in Project	
Proposed Pump (Dewatering System) Capacity <u>3000</u> gallons per minute	Number of Wells/Points in Use at Any Given Time <u>5</u>	
Dewatering Project Start Date (MM/DD/YYYY) <u>09/15/16</u>	Dewatering Project Completion Date (MM/DD/YYYY) <u>10/01/16</u>	
Proposed Aquifer Formation <u>SAND & GRAVELS</u>	At a Depth of: <u>0-180'</u>	Proposed Dewatering Water Level <u>-22'</u>

Well Construction

Total well depth (feet) <u>42'</u>	Borehole diameter (inches) <u>12"</u>	Drilling method (e.g. rotary, jetting, percussion, etc.) <u>JETTING</u>	
Geologic formations to be penetrated by well (e.g. sand, gravel, clay, sandstone, limestone, etc.) <u>SAND & GRAVELS</u>			
Casing depth (feet) <u>52</u>	Well casing wall thickness (in.) <u>2.50</u>	Casing material (e.g. steel, schedule 40 PVC) <u>STEEL</u>	Casing diameter (inches) <u>8"</u>

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Well Construction (continued)

Method of connecting well casing segments <input checked="" type="checkbox"/> weld <input type="checkbox"/> solvent weld <input type="checkbox"/> threaded/mechanical		Height of well casing termination above local ground elevation (in) 2'	
Well screen material (e.g. wire wound steel, slotted P/C) 20" 30 SLOT		Well screen length (ft) 20'	Well screen diameter (in) 8'
Method of attaching screen to well casing or placing screen WELDED		Type of well screen <input type="checkbox"/> wire wound <input checked="" type="checkbox"/> slotted pipe	Engineered gravel pack around screen <input type="checkbox"/> yes <input checked="" type="checkbox"/> no
Annular space seal material (e.g. bentonite, cement, native material) Native		Method of placing annular seal (e.g. tremie pipe) Hand shovel	

Pump Installation

Pump type (e.g. submersible, vacuum) 15 HP	Individual pump capacity (gpm) 800	Well seal type and design SIMMON	Check valve location Top of well
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Well Abandonment

Well abandonment method (e.g. fill with bentonite, collapsing formation, etc.)
 Collapsing formation topped with bentonite

Enclosures

- Plat map (project location marked)
- Engineering plan map of project (do not submit complete set of plans)
- Contamination sites (BRRTS information) with well locations and discharge location (www.dnr.state.wi.us/org/aw/rr/brrts/index.htm)
- Well construction diagram with dimensions
- Drawing of manifold design if multiple wells are connected together
- Discharge drawing
- If WPDES permit already issued, attach copy **ATTACHED & APPLIED FOR**

Variance Request Signature

Are you requesting a variance for the proposed well(s) to have less than 25 feet of casing or for a variance to any part of ch. NR 812, Wis. Adm. Code? If yes, property owner signature required. **NO**

Property Owner Signature	Date Signed
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Applicant

Name: Last MODJESKI	First FRANCIS	MI K.	Signature <i>Francis K. Modjeski</i>
Street Address 1210 E. 7TH ST.	City WINONA	State MN	ZIP Code 55987
Date (mm/dd/yyyy) 06/23/2016		Company Name WINONA MECHANICAL, INC.	
(Area Code) Telephone Number 507.454.3737		E-Mail Address OFFICE@WINONAMECHANICAL.COM	

Department Use Only

Receipt Date (mm/dd/yyyy)	Response Date (mm/dd/yyyy)
Review Engineer	Authorized Signature
Calculated Public Utility Well Drawdown Value or No Expected Impact Judgement Feet <input type="checkbox"/> No Expected Significant Impact	Action: Conditions of approval are attached if approved. <input type="checkbox"/> Approved <input type="checkbox"/> Denied

Search...

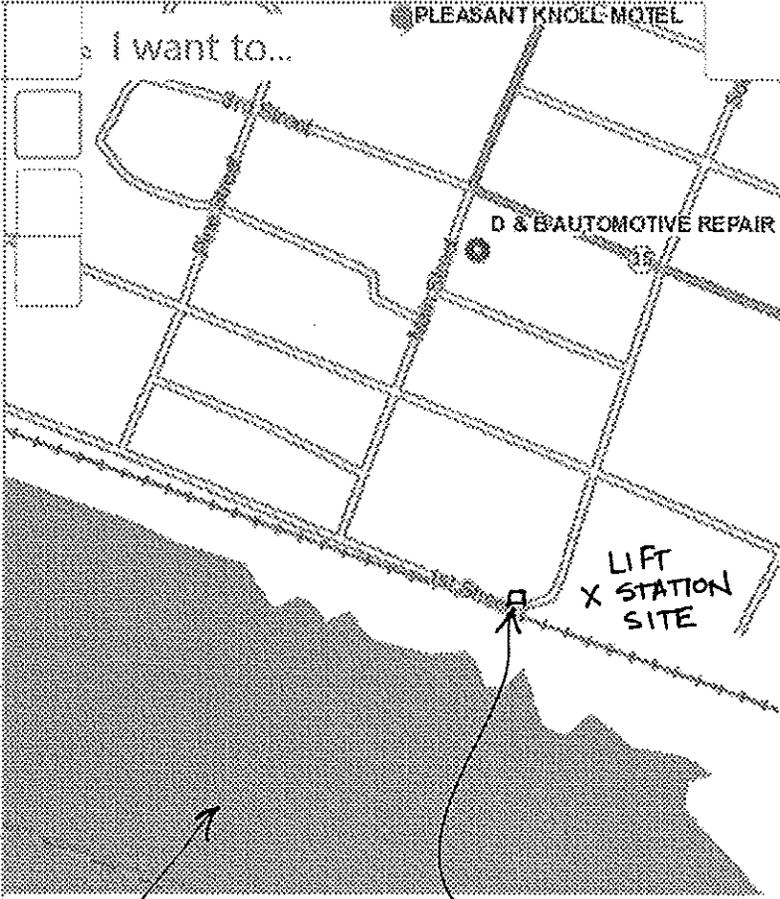
Navigate Draw Identify & Measure Maps & Data

About Show Map Layers Questions? Pan Zoom In Zoom Out Zoom to Wisconsin Point Identify Bookmarks

Basic Tools Getting around Location Information

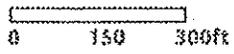
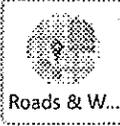
Layers

- All Layers ▼
- Map Layers
 - Contaminated & Cleaned Up Sites
 - Open Site (ongoing cleanup)
 - Open Site Boundary
 - Closed Site (completed cleanup)
 - Closed Site Boundary
 - GIS Registry
 - Financial Actions
 - Liability Limitations & Clarifications
 - Township, Range, Section
 - Administrative & Political Boundaries
 - Base Maps
 - Roads & Waterways
 - 2010 Air Photos (WROC)

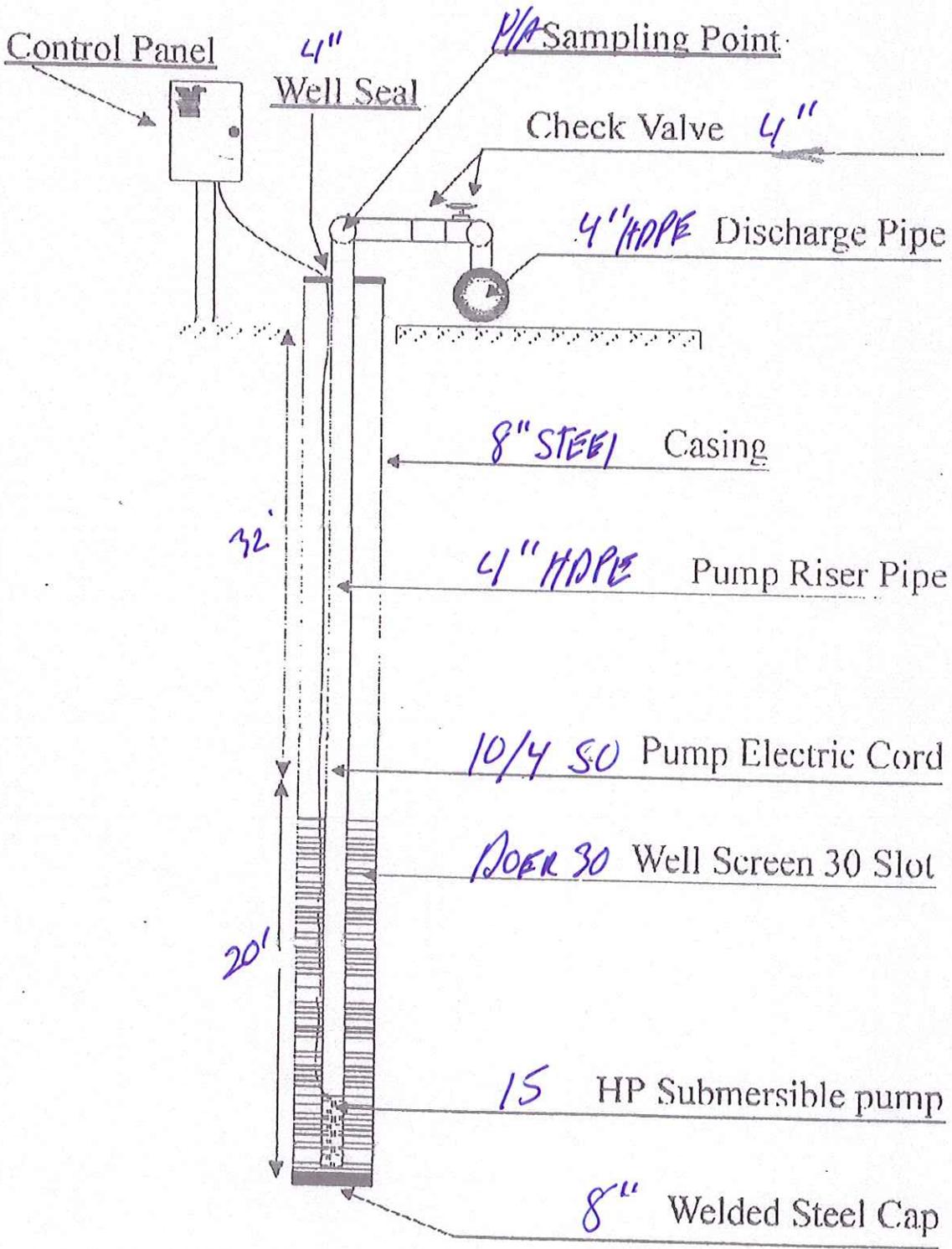


MISS. RIVER (RECEIVING WATER)

DISCHARGE TO STORM SEWER



DETAIL OF TYPICAL DEEP WELL CONSTRUCTION/DESIGN



Drawn By: Cyrus Laphat

TYPICAL DISCHARGE & WELLPOINT LAYOUT

TREMPEALEAU, WISCONSIN

#4. (5) 52' X 8" DOER 30 SLOT DEEP WELLP WITH 20' OF 30 SLOT DOER SCREEN.

#5. 4" INDIVIDUAL 4" HPDE DISCARHE PIPES TO STORM SEWER

