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

High Capacity Dewatering Well Application

Form 3300-258 (R 11/02)

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: New Richmond- 2016 Street & Utility Improvements

Dewatering System Property Owner

Name and Title	Company			
Jeremiah Wendt- Director of Public Works	City of New Richmond			
Street Address	**City**	**State**	**ZIP Code**	**Contact Person**
156 East 1st Street	New Richmond	WI	54017	Jeremiah Wendt
Telephone Number	**Fax Number**	**E-Mail Address**		
715-243-6439	715-246-7129	jwendt@newrichmondwi.gov		

Dewatering System Operator

Name and Title	Company			
Brad Nielsen- Project Manager	A-1 Excavating			
Street Address	**City**	**State**	**ZIP Code**	**Contact Person**
PO Box 90	Bloomer	WI	54724	Brad Nielsen
Telephone Number	**Fax Number**	**E-Mail Address**		
715-568-4141	715-568-4144	bnielsen@a1excavating.com		

Proposed Dewatering System Location

Quarter of the Quarter	Quarter or Government Lot Number	Section Number or French Long Lot Number
SW 1/4	SE 1/4	36

Township	Range			County
T 31 N	R 18	☐ East ☒ West	☒ City ☐ Village ☐ Civil Town OF New Richmond	St. Croix

Street or Grid Address (fire number): North Star Avenue & North Shore Drive

Dewatering System Operation

Name of Nearest Public Utility Well	Proposed Total Average Pumpage per Day	Proposed Total Maximum Pumpage per Day
Star Avenue - Well 2 North Shore - Well 3	96,000	170,000 gallons

Distance from Public Utility Well	Discharge Location Description (e.g. storm sewer, drainage swale, settling basin, etc.)
Star Avenue - 700' North Shore - 2700' ☐ Feet ☐ Miles	Star Avenue - Storm Sewer North Shore - Settling Basin

Direction (e.g. WNW) to Public Utility Well	Total Number of Dewatering Wells/Points in Project
Star Avenue - ENE North Shore - NE	80
Proposed Pump (Dewatering System) Capacity	**Number of Wells/Points in Use at Any Given Time**
67 gallons per minute	80
Dewatering Project Start Date (MM/DD/YYYY)	**Dewatering Project Completion Date (MM/DD/YYYY)**
06-20-16	10-28-16

Proposed Aquifer Formation	At a Depth of:	Static Water Level	Proposed Dewatering Water Level
Sand	20'	13'	20'

Well Construction

Total well depth (feet)	Borehole diameter (inches)	Drilling method (e.g. rotary, jetting, percussion, etc.)
27'	4"	Jetting

Geologic formations to be penetrated by well (e.g. sand, gravel, clay, sandstone, limestone, etc.): Sand

Casing depth (feet)	Well casing wall thickness (in.)	Casing material (e.g. steel, schedule 40 PVC)	Casing diameter (inches)
20'	0.25"	Sch 40 PVC	1.5"

Well Construction (continued)

Method of connecting well casing segments ☐ weld ☒ solvent weld ☐ threaded/mechanical	Height of well casing termination above local ground elevation (in) 12"

Well screen material (e.g. wire wound steel, slotted PVC) Slotted PVC	Well screen length (ft) 2'	Well screen diameter (in) 1.5"
Method of attaching screen to well casing or placing screen Solvent Weld	Type of well screen ☐ wire wound ☒ slotted pipe	Engineered gravel pack around screen ☐ yes ☒ no
Annular space seal material (e.g. bentonite, cement, native material) Native Material	Method of placing annular seal (e.g. tremie pipe) Backfill by hand or loader	

Pump Installation

Pump type (e.g. submersible, vacuum)	Individual pump capacity (gpm)	Well seal type and design	Check valve location
Vacuum	150	Griffin-O-Ring	Top of Well Casing

Well Abandonment

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

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

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 requried.

Property Owner Signature	Date Signed

Applicant

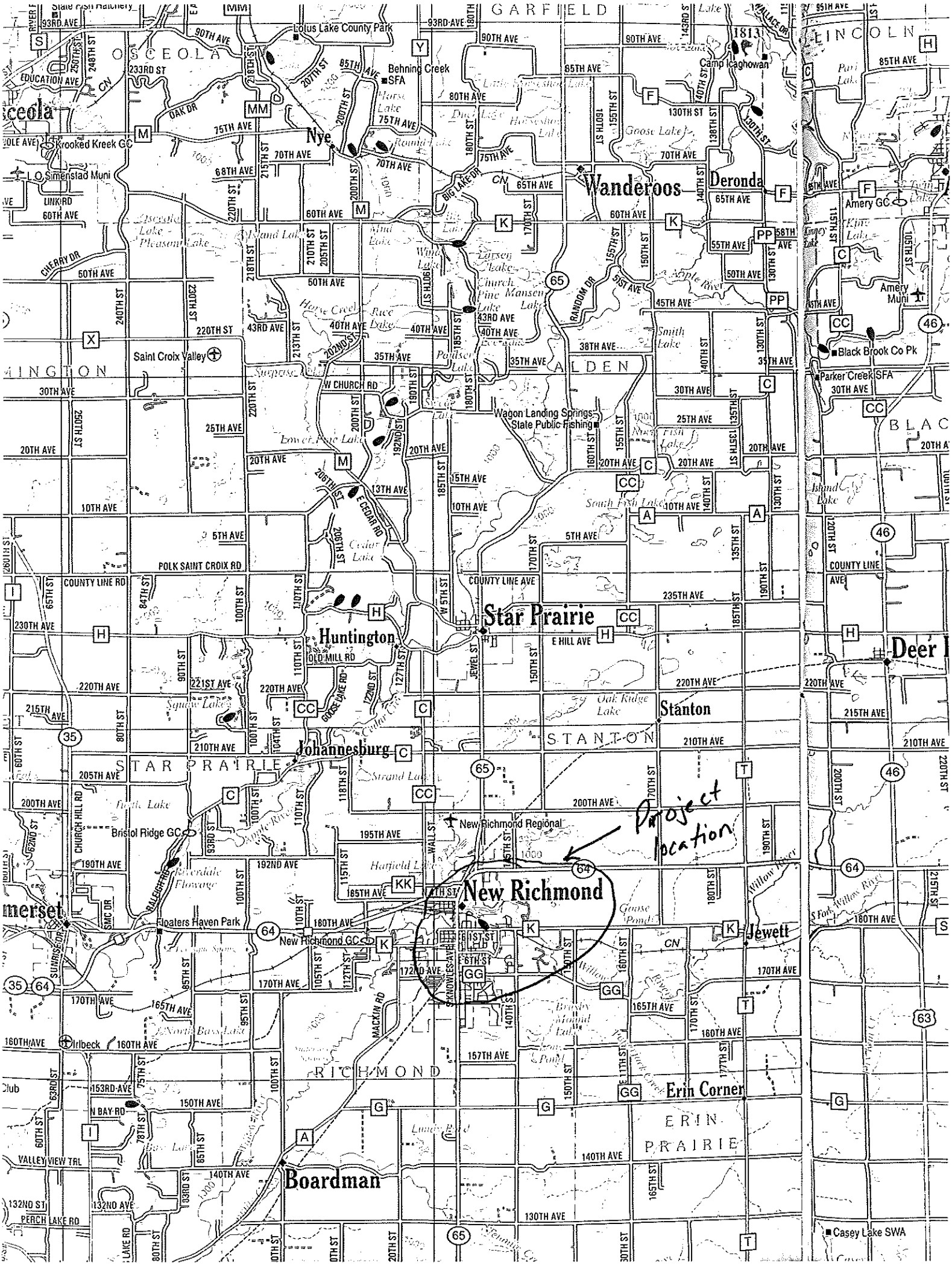
Name: Last	First	MI	Signature
Nielsen	Brad	J	[signature]

Street Address	City	State	ZIP Code	Date (mm/dd/yyyy)
PO Box 90	Bloomer	WI	54724	6-9-16

Company Name	(Area Code) Telephone Number	E-Mail Address
A-1 Excavating	715-568-4141	bnielsen@a1excavating.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 ☐ No Expected Significant Impact	Action: Conditions of approval are attached if approved. ☐ Approved ☐ Denied


Project location
New Richmond
Star Prairie
Huntington
Johannesburg
Stanton
Wanderoos
Deronda
Nye
Boardman
Erin Corner
Jewett
Deer
Lotus Lake County Park
Behning Creek SFA
Camp Icaghowan
Krooked Kreek GC
L O Simenstad Muni
Saint Croix Valley
Wagon Landing Springs State Public Fishing
Amery GC
Amery Muni
Black Brook Co Pk
Parker Creek SFA
New Richmond Regional
Bristol Ridge GC
Floaters Haven Park
New Richmond GC
Casey Lake SWA
OSCEOLA
GARFIELD
LINCOLN
STAR PRAIRIE
STANTON
RICHMOND
ERIN PRAIRIE

CITY OF NEW RICHMOND, WISCONSIN

CONSTRUCTION ISSUE
06-01-2016

CONSTRUCTION PLANS FOR 2016 STREET AND UTILITY IMPROVEMENTS

NORTH STARR AVENUE, EAST HUGHES STREET, PAPERJACK DRIVE, WEST RIVER DRIVE, EAST RIVER DRIVE, FAIRFIELD ROAD, SUMMIT ROAD, AND NORTH SHORE DRIVE

LEGEND

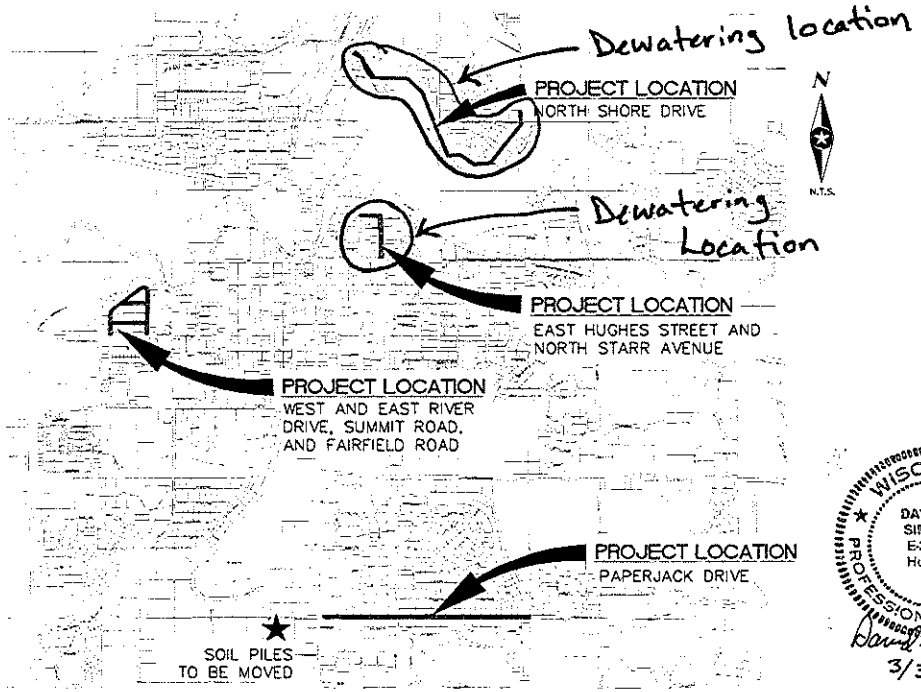
5+00 6+00 — STREET CENTERLINE
5 6 — SURVEY BASELINE
COUNTY
SECTION
QUARTER
SIXTEENTH
CORPORATE LIMITS

EXISTING

RIGHT OF WAY
PERMANENT EASEMENT
PROPERTY LINE
R.R. RIGHT OF WAY
SANITARY SEWER AND MANHOLE
FORCE MAIN
SANITARY SEWER SERVICE & CLEANOUT
WATER MAIN, HYDRANT AND VALVE
WATER SERVICE AND CURB STOP BOX
WATER VALVE MANHOLE
STORM SEWER, APRON, MANHOLE AND CATCH BASIN
CULVERT
BULKHEAD
BURIED FIBER OPTIC CABLE
BURIED FIBER OPTIC DUCT OR CONDUIT
BURIED PHONE CABLE AND PEDESTAL
BURIED PHONE DUCT OR CONDUIT AND MANHOLE
BURIED TV CABLE AND PEDESTAL
BURIED ELECTRIC CABLE
BURIED ELECTRIC DUCT OR CONDUIT AND MANHOLE
OVERHEAD ELECTRIC, POLE AND DOWN GUY ANCHOR
LIGHT POLE
TRAFFIC SIGNAL STANDARD
GAS MAIN
GAS SIGN, VALVE AND VENT
PETROLEUM PIPELINE
SOIL BORING
TRAVERSE POINT
CONCRETE CURB AND GUTTER
EXISTING PAVEMENT OR SIDEWALK
SIGN (HWY, PARK, STOP, ETC.)
STREET NAME SIGN
DITCH
RAILROAD TRACKS
FENCE (UNIDENTIFIED)
BARBED WIRE FENCE
CHAIN LINK FENCE
ELECTRIC WIRE FENCE
WOOD FENCE
WOVEN WIRE FENCE
PLATE BEAM GUARDRAIL
CABLE GUARDRAIL
DECIDUOUS AND CONIFEROUS TREE
BUSH-SHRUB
WOODED AREA
WETLAND
BUILDING

PROPOSED

NEW RIGHT OF WAY
PERMANENT EASEMENT
TEMPORARY EASEMENT
SANITARY SEWER AND MANHOLE
FM — FORCE MAIN
SANITARY SEWER SERVICE & CLEANOUT
WATER MAIN, HYDRANT AND VALVE
WATER SERVICE AND CURB STOP BOX
WATER VALVE MANHOLE
STORM SEWER, MANHOLE AND CATCH BASIN
CULVERT
BULKHEAD
DRAIN PIPE
DITCH
CONCRETE CURB AND GUTTER
SILT FENCE
SILTC — SILTC — FLOATATION SILT CURTAIN
BIOROLL
LIGHT POLE
TRAFFIC SIGNAL, STANDARD
SIGN (HWY, PARK, STOP, ETC.)
STREET LIGHT FEED POINT
STREET LIGHTING CABLE
REMOVE TREE



WISCONSIN DAVID F. SIMONS E-35861 Hudson WI PROFESSIONAL ENGINEER
David F. Simons
3/31/16

NOTE:
THE EXACT LOCATION OF UNDERGROUND UTILITIES SUCH AS GAS, TELEPHONE, FIBER OPTIC, ELECTRIC, CABLE TV, AND PIPE LINES ARE UNKNOWN. THE CONTRACTOR SHALL CONTACT DIGGERS HOTLINE AT 811 AND ALL OTHER UTILITY OWNERS WHICH ARE IN THE PROJECT LIMITS, BEFORE COMMENCING EXCAVATION

THE SUBSURFACE UTILITY QUALITY INFORMATION IN THIS PLAN IS LEVEL D. THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02 ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."

811 Know what's below. Call before you dig.

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	PLAN AND PROFILE SHEETS:
	SANITARY SEWER & WATERMAIN
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THIS PLAN CONTAINS 121 SHEETS.

2016 STREET AND UTILITY IMPROVEMENTS
NEW RICHMOND, WISCONSIN

SEH
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SUITE 300
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