# Warner Engineering Associates Inc.

102 S. Saunders Ave. • Mt. Pleasant, IA 52641



October 23, 2002

Mr. Roy Ney Iowa Department of Natural Resources Water Supply Section 401 SW 7<sup>th</sup> St., Suite M Des Moines, IA 50309-4611

RE: Mt. Pleasant Municipal Utilities - Proposed Re-lining & Casing Extension Well #4

Dear Roy:

Enclosed with this letter please find two copies of a drawing and a Construction Permit Application for the above referenced project.

If you have any questions concerning these documents, please contact me immediately. The MPMU is anxious to proceed with this improvement to their well. We appreciate you giving this a priority in your review work.

Sincerely,

WARNER ENGINEERING ASSOCIATES, INC.

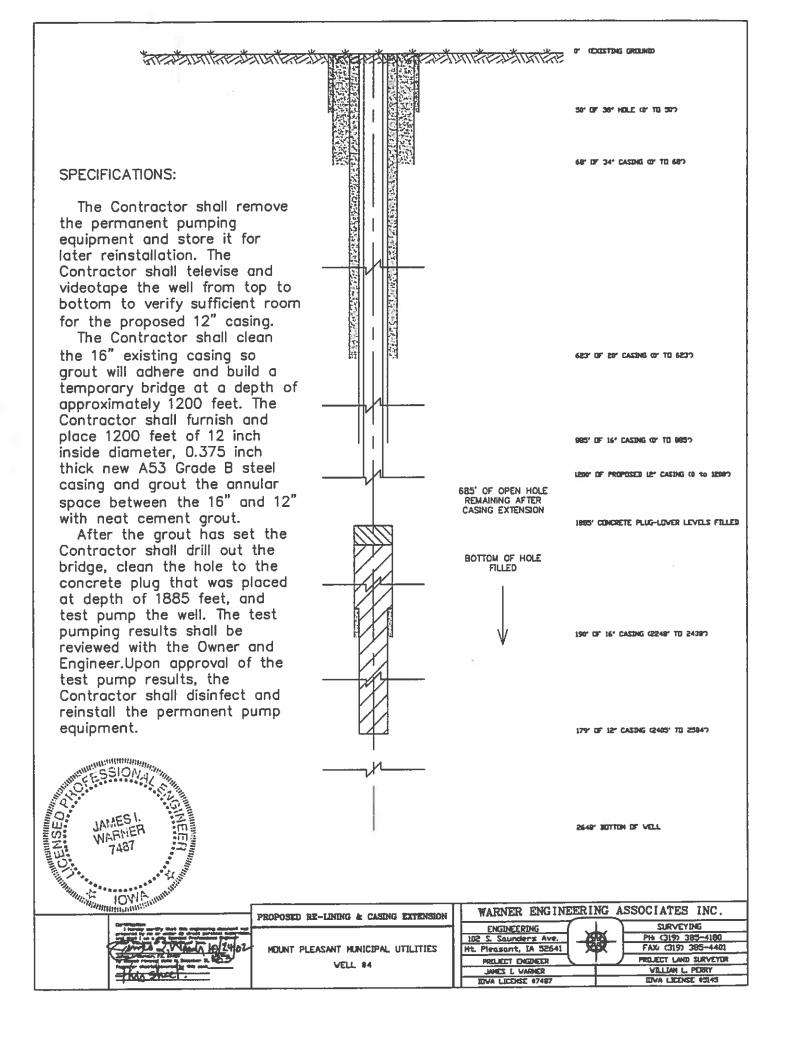
Sames L. Warner, P.E., NSPE

**Project Engineer** 

JIW/krm

Enclosures

Cc: Lori Glanzman, MPMU



SCHEDULE-1a, General Information

Page 1 of 2

APPLICANT					ENGINEER				
Owner Mt. Pleasant Municipal Utilities				Fir	Firm Warner Engineering Associates, Inc.				
Address 509 North Adams				Ad	Address 102 S. Saunders Ave.				
Mt. Pleasant, IA 52641					Mt. Pleasant, IA 52641				
Repr	Representative Telephone					Project Officer Telepho			ne
Lori	Lori Glanzman, General Manager (319) 385-2121				James I.	. Warner,	P.E.	(319) 38	35-4180
	<del></del>			<u> </u>		·	<u> </u>		
	PLEASE RESPOND TO ALL QUESTIONS					DNR Use Only Project Number:			
1.	Project Identi	sion of W	"						
2.	Estimated Co	ompletion Date:	December 2002		11 =			YES	NO
3.	Has an engine	eering report or inform Project Identity	nation previously been submi	itted for th				$\neg$	X
	11 163 ->	Project identity		Date Submitted					
4.	Does the proj	ject, as submitted, foll-	ow the recommendations and	conclusio	ons of the pi	reliminary	report?		
	If No =>	provide design basis	and technical information jus	stifying al	l changes.	·	•		
5.			s and specifications accompa					X	
			is and specifications are not re ning of \$455B.183.3 Code of						
6.			ns a part of this application?		ou.g., o.,		417	[ <del></del> ]	
0.	If Yes =>	Approved Standard	Specifications of (municipali		1)	Date A	proved	$\neg$ $\Box$	X
		Wa	arner Engineering Associates	Inc.		Арг	il 11, 1996		
7.			in accordance with Section 4					X	
	with \$542B.16	eport accompanying the figure of the first transfer of transfer of the first transfer of	his application contain an "Er	ngineer's	Certificate	," executed	in conformance		
8.	Is this a joint	water supply and was	tewater project?						Т
	If Yes =>	A construction perm	nit application for the wastewa	ater proje	ct should be	submitted	separately to the		
		Wastewater Permits							
9.	9. Does the project involve water withdrawal, storage, or change in natural stream conditions?  If Ver 7. Complete and attack Application for Paymittee With draw When (DND 7)								X
10	If Yes => Complete and attach, Application for Permit to Withdraw Water (DNR Form 16)								
10.		nt the supplier of the v A Water Supply Serv	vater? vice Agreement (DNR Form	1 53) exec	uted by the	supplier of	the water must	X	
		accompany this applic	ation.				The state of the s		
								-	
			CERT	IFICATI					
APPLICANT  ENGINEER *(see Schedule 1b)  I certify that all aspects of design included in this application meets the									
	I certify that I am the authorized representative of the owner and state   requirements of all applicable state or federal laws and regulations, or that								tions, or that
***************************************	standards is attached, or that a variance has already been granted by the								anted by the
							Resources. I am fan 1, and to the best		
	Mount Pleasant Municipal Utilities int					plete and a			7-,
XX	The state of the s	1.	Date	Signatu	10	$^{\prime}$	Mana A	Date Date	3/27
Yo	12 /X	An Zone	10-2302	(	mos	7''	WV**~ \	10/2-	100
DN	R form 12-1a (	(R 10-95)						'	542-3178

### SCHEDULE-1a General Information Page 2 of 2

roject Design eneral ecifications Preliminary Data en ta				
Preliminary Data on ta				
Preliminary Data on ta				
n ta tes				
ta tes				
ı :es	X —	X		
res	X —	X		
res	X	X		
ply				
pply				
r Storage Facilities				
oing Station				
iagram				
mentation				
Contact				
Softening				
1				
lition				
ting				
rage Facilities				
al				
al Ponds				
гад	ds	nds	ids	ids

	S	CHEDULE-1b, Certification of Project Design	DNR Use Only				
Date prepared October 23, 2002	Project Identity Proposed Re-Lining & Casing Extension of Well #		ProjectiNo.				
Date Revised			Permit No.				
ENOR IEEE A CONTRACTOR OF THE							

#### **ENGINEER's Certification**

- \*I hereby certify that all aspects of design included in the plans and specifications for the project identified above meet the requirements of all applicable state and federal laws and regulations, or that an explanation and justification for any proposed variation from such standard is attached, or that a variance has already been granted by the Iowa Department of Natural Resources.
- \*a. This certification is the ENGINEER's professional opinion, having applied his knowledge and a standard of care normally exercised by members of the same profession currently practicing under similar circumstances.
- b. "Applicable" State and Federal laws and regulations are limited to the following:
  - (1) Recommended Standards for Water Works of the Great Lakes Upper Mississippi River Basin Association of Sanitary Engineers; and
  - (2 Chapters 41 and 43 of the Iowa Administrative Code.

Signature	Printed or Typed Name	Iowa P.E. Regis No.	Date
Times I warmen	James I. Warner	7487	10/23/02

#### **INSTRUCTIONS**

This schedule is to be completed and submitted with the initial application for a construction permit <u>AND</u> is also required whenever a modification is made to the initial application.

	SCHEDULE-5a, Well Construction						DNR Use O	ıly	
Date Prepared  October 23, '22  Mound Pleasant Municipal Utilities  Proposed Re-lining & Casing Extension - We U # 4							Project No.		
Date 1	Revised	Proposed	Re-lining &	Casing Ex	tension-4	Permit No.			
1.	. 1								
2.	Casing Pipe and Well Screen Materials:								
	Casing Material (Designate Alternates)		ASTM or API Std.	Weight/ft. (lbs) <b>49,56</b>	Thickness (inches)	Outside Diameter (inches)	Length (feet)		
	Screen Material (Designate Alternates)		Type of Screen	Size Screen Opening	Total Screen Open Area (sq. inches)	Outside Diameter (inches)	Length (feet)		
3.	For the following, reference the applied DNR, AWWA, GLUMRB, or ASTM design standard source and number (i.e. DNR 3.7.2a), and the page of the plans or specifications where the description can be found.  Construction Details Applied Design Standard Page No.								
	Protection	Protection of Well During Construction			e and Number				
	Casing We				ireum fere	44.0			
	Casing Cer	ntralizes			I/A				
	Gravel Pac				NA				
	Radial Col	lectors		N	N/A			ļ	
	Packers				N/A			- 1	
	Grouting	2 (1)		Neat	Cement Gr	out		- 1	
	Weil Devel	& Alignment Test	(Wells over 100')		N/A				
		vdown Tests			N/A				
	Observation			Key	M - P 0 1 - 0 7 7	carro	- 1		
		lity Analysis			J N/A				
	Disinfection			Regin	Required Pains to Startup				
	Abandonme	ent of Well	-		N/A	3/10/10			
4.	Method of drilling, if specified:								
5.	Geological samples and well construction log specified to be forwarded to the Iowa Geological Survey Bureau?  Yes No (spec. page no)								
6.	. Well construction log, yield and drawdown test results, and water quality sample results are specified to be forwarded to the Department: Yes No (spec. page no)								