State of Wisconsin
Department of Natural Resources
Bureau of Drinking Water and Groundwater, DG/5
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Water Main Submittal Checklist

Form 3300-066 (R 01/19)

Page 1 of 3

Notice: This form is authorized by ss. 280.11, 281.11, 281.19 (1) and (2), and 281.41, Wis. Stats., and ss. NR 108.04 (2)(a) and 811.08 (1), Wis. Adm. Code. Completion of this form or a similar form approved by the Department of Natural Resources (DNR) is mandatory. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law [ss. 19.31-19.39, Wis. Stats.]. Unless otherwise noted all citations refer to Wis. Adm. Code.

WATER MAIN SUBMITTAL INSTRUCTIONS:

Th	ne fo	ollowing is a listing of information that must be submitted when requesting an approva	al of a water main p	roject:				
1.	,	A completed Water System Approval Request (DNR Form No. 3300-260) has been in	ncluded?	Yes No				
2.	(One set of plans sealed by a Professional Engineer has been included in conjunction only submittal?	with a water main		O N/A			
3.		Three sets of plans sealed by a Professional Engineer have been included in conjunc facilities submittal?	tion with a	○ Yes ○ No	● N/A			
4.	(One set of specifications sealed by a Professional Engineer has been included in conwater main only submittal?	junction with a	O Yes O No	● N/A			
	Ş	The Specifications Section of the checklist must be completed if specifications are submitted. The submittal of specifications is not necessary if the community already has specifications on file with the Department of Natural Resources (that are not older than five years) or is using the latest edition of the Standard Specifications for Sewer and Water Construction in Wisconsin.						
5.	f	Three sets of specifications sealed by a Professional Engineer have been included in facilities submittal?	conjunction with a	O Yes O No	● N/A			
6.	4	A plan or plans has been included that shows the location of the proposed project in roof the distribution system?	elation to the rest	● Yes ○ No (O N/A			
7.	A	An approval letter from the owner of the distribution system has been included, unless employed or retained by the waterworks owner?	s the applicant is	● Yes ○ No(O N/A			
All sections of this checklist must be completed for every submittal; excepting, that if specifications are on file for the municipality or standard specifications are to be used, the section under specifications may be omitted. If it is felt that a question on the checklist does not apply to a particular project, indicate this with N/A and explain the reason.								
		eneral Information						
			Name/Number of P	•				
	227	a of Decolefield Constant District No. 1						
_			Brookhill Condor	minium 20-3376				
В.	Sp	pecifications	TAR DELVERY	minium 20-3376				
B. Wa	Sp ater	pecifications r mains will be constructed in accordance with: (select one of the following three	options)	minium 20-3376				
B. Wa	Spater	r mains will be constructed in accordance with: (select one of the following three Standard Specifications for Sewer and Water Construction in Wisconsin (lates	options) t Edition)	ninium 20-3376				
B. Wa	Spater	r mains will be constructed in accordance with: (select one of the following three Standard Specifications for Sewer and Water Construction in Wisconsin (lates) Standard specifications for municipality already on file with DNR: Approval number	options) t Edition) for specifications					
B. Wa	Spater 1.	r mains will be constructed in accordance with: (select one of the following three Standard Specifications for Sewer and Water Construction in Wisconsin (lates) Standard specifications for municipality already on file with DNR: Approval number Date of ApprovalAre specifications on file with DNR less than	options) t Edition) for specifications	ninium 20-3376				
B. Wa	1. 2. 3.	r mains will be constructed in accordance with: (select one of the following three Standard Specifications for Sewer and Water Construction in Wisconsin (lates! Standard specifications for municipality already on file with DNR: Approval number Date of Approval Are specifications on file with DNR less than Specifications submitted with the plans (fill out the following section)	options) t Edition) for specifications					
B. Wa	1. 2.	r mains will be constructed in accordance with: (select one of the following three Standard Specifications for Sewer and Water Construction in Wisconsin (options) tEdition) for specifications_ 5 years old?	Yes No				
B. Wa	1. 2.	r mains will be constructed in accordance with: (select one of the following three Standard Specifications for Sewer and Water Construction in Wisconsin (latest Standard specifications for municipality already on file with DNR: Approval number Date of ApprovalAre specifications on file with DNR less than Specifications submitted with the plans (fill out the following section) esign Specifics nimum horizontal (center to center) separation distance between water main and existence of the following section)	options) t Edition) for specifications 5 years old? sting or future sanita	Yes No	ft.,			
B. Wa	Srater 1. 2. 3. De	remains will be constructed in accordance with: (select one of the following three Standard Specifications for Sewer and Water Construction in Wisconsin (latest Standard specifications for municipality already on file with DNR: Approval number Date of ApprovalAre specifications on file with DNR less than Specifications submitted with the plans (fill out the following section) esign Specifics nimum horizontal (center to center) separation distance between water main and exister sewer23ft. [NR811.74(2)] Minimum horizontal separation distance between	options) t Edition) for specifications 5 years old? sting or future sanita	Yes No	ft.,			
B. Wa	Spater 1. 2. 3. De	r mains will be constructed in accordance with: (select one of the following three Standard Specifications for Sewer and Water Construction in Wisconsin (latest Standard specifications for municipality already on file with DNR: Approval number Date of ApprovalAre specifications on file with DNR less than Specifications submitted with the plans (fill out the following section) esign Specifics nimum horizontal (center to center) separation distance between water main and existence of the following section)	options) t Edition) for specifications 5 years old? sting or future sanita	Yes No	ft.,			
B. Wa	3. De Mir sto	remains will be constructed in accordance with: (select one of the following three Standard Specifications for Sewer and Water Construction in Wisconsin (latest Standard specifications for municipality already on file with DNR: Approval number Date of ApprovalAre specifications on file with DNR less than Specifications submitted with the plans (fill out the following section) esign Specifics nimum horizontal (center to center) separation distance between water main and exister sewer23ft. [NR811.74(2)] Minimum horizontal separation distance between	options) t Edition) for specifications 5 years old? sting or future sanital veen fire hydrant dra	Yes No	ft.,			
B. Wa	1. 2. 3. De Mir sto sto Wh	r mains will be constructed in accordance with: (select one of the following three Standard Specifications for Sewer and Water Construction in Wisconsin (latest Standard specifications for municipality already on file with DNR: Approval number Date of ApprovalAre specifications on file with DNR less than Specifications submitted with the plans (fill out the following section) esign Specifics nimum horizontal (center to center) separation distance between water main and exister sewer23ft. [NR811.74(2)] Minimum horizontal separation distance between sewers, or storm sewer inlets16ft. [NR811.71(4)]	options) t Edition) for specifications_ a 5 years old? sting or future sanitate een fire hydrant dra to edge) is 6	Yes No Ary sewer 10 ains and sanitary s	ft.,			
B. Wa (C. 1).	3. De Mir sto sto Wh	remains will be constructed in accordance with: (select one of the following three Standard Specifications for Sewer and Water Construction in Wisconsin (latest Standard specifications for municipality already on file with DNR: Approval number Date of ApprovalAre specifications on file with DNR less than Specifications submitted with the plans (fill out the following section) esign Specifics nimum horizontal (center to center) separation distance between water main and exist orm sewer23ft. [NR811.74(2)] Minimum horizontal separation distance between water mains cross over sewers, the minimum vertical separation distance (edge	options) t Edition) for specifications_ a 5 years old? sting or future sanitate een fire hydrant dra to edge) is 6	Yes No Ary sewer 10 ains and sanitary s inches. Where	ft.,			
B. Wa C. C. 1.	3. De Mirr sto sto White Mill Will Will Will	r mains will be constructed in accordance with: (select one of the following three Standard Specifications for Sewer and Water Construction in Wisconsin (options) t Edition) for specifications_ a 5 years old? sting or future sanitate een fire hydrant dra to edge) is 6 18 inches. [f	Yes No Ary sewer 10 Ains and sanitary s inches. Where NR811.74(3)] Yes No	ft., sewers,			
B. Wa C. C. 1.	3. De Mirr sto sto White Mill Will Will Will	rmains will be constructed in accordance with: (select one of the following three Standard Specifications for Sewer and Water Construction in Wisconsin (latest Standard specifications for municipality already on file with DNR: Approval number Date of ApprovalAre specifications on file with DNR less than Specifications submitted with the plans (fill out the following section) esign Specifics nimum horizontal (center to center) separation distance between water main and exister sewer23ft. [NR811.74(2)] Minimum horizontal separation distance between water mains cross over sewers, the minimum vertical separation distance (edge ains cross under sewers, the minimum vertical separation distance (edge to edge) is a common trench be used in any portion of the project? [NR811.74(2)(b)] Ill the following minimum horizontal separation distances be maintained between the vertical? [NR811.75]	options) t Edition) for specifications a 5 years old? sting or future sanitate where fire hydrant dra to edge) is 6 18 inches. [Note to edge]	Yes No Ary sewer 10 ains and sanitary s inches. Where NR811.74(3)] Yes No contamination sou	ft., sewers, water			
B. Wa C. C. 1.	3. De Mir sto sto Wh ma Will liste	rmains will be constructed in accordance with: (select one of the following three Standard Specifications for Sewer and Water Construction in Wisconsin (latest	options) t Edition) for specifications a 5 years old? sting or future sanitate where fire hydrant dra to edge) is 6 18 inches. [Note to edge]	Yes No Ary sewer 10 Ains and sanitary s inches. Where NR811.74(3)] Yes No	ft., sewers, water urces			

Water Main Submittal Checklist

Form 3300-066 (R 01/19)

Page 2 of 3

C.	Des	ign Specifics (cont'd)	ALL SALES AND TO SALES AND THE		
5.	Doe	s the municipality have an erosion control ordinance? [NR811.09(2)]	● Yes ○ No		
	(A)	If yes, will compliance with the ordinance be required for this project?	● Yes ○ No	O N/A	
	(B)	Do the plan sheets show the erosion control provisions?	Yes ○ No		
	(C)	Do the specifications require that the erosion control measures be in place before construction begins and be maintained during construction?	Yes ○ No		
	(D)	Do the required erosion control provisions comply with the technical standards of ch. NR151?	Yes ○ No		
6.		valves provided at each intersection and at intermediate points so spacing does not sed 800 feet? [NR811.70(9)]			
7.		hydrants provided at each intersection and at intermediate points so spacing does not sed 600 feet? [NR811.71(1)]			
8.		hydrants or other flushing devices capable of flow velocities of at least 2.5 feet per second e water main installed downstream of the last service at all dead-ends? [NR811.71(7)]			
9.	Will	any watermain stubs 20 feet or greater in length be installed? [NR811.70(8)]	O Yes No		
10	proc	bundwater may rise above hydrant drain ports, will the drain ports be plugged and operational edures established for pumping the hydrant barrels dry during freezing weather? [NR811.71(4)], explain:	O Yes O No	● N/A	
11.	. Is th	ere a history of external corrosion problems with buried pipe in the project area? [NR811.69(4)]	O Yes No		
12.		ne proposed water mains pass through or adjacent to a landfill or chemical spill area that may rsely impact the piping material or gaskets? [NR811.69(5)]	O Yes No		
13.	Do ti	ne proposed water mains pass through a wetland area? [NR811.70(3)]	O Yes No		
14.	Do t	ne proposed water mains pass through a floodway or floodplain? [NR811.70(2)]?	O Yes No		
15.		s installation of the proposed water mains involve construction within 500 feet of the ordinary high r mark or over or under or in waters of the state?	O Yes No		
16.		ns are submitted by someone other than the waterworks owner or authorized representative, is en acceptance of the waterworks owner included? [NR811.10] If no, explain:	○ Yes ○ No	● N/A	
17.	Do ti	ne proposed water mains involve construction of manholes, vaults, or other below grade structures aining shutoff valves, air relief valves, pressure reducing valves, or water meters? [NR 811.72]	○ Yes No		
18.	Do th	ne proposed water mains involve any surface water crossings over 15 feet? [NR811.76]	O Yes No		
19.	Do th	ne proposed water mains involve any common casing crossings? [NR811.77]	O Yes No		
20.	Will p	private mains or services be connected at more than one location, creating a loop back into the public tem [NR811.68(3)]?			
21.	Wate	er main pipe material(s) to be used: PVC			
	Туре		-		
	Class	s and/or DR: Class 235 C-900 DR-18	[NR8	311.69]	
22.	If duc	etile iron pipe will be used, will it be enclosed in polyethylene wrap?	O Yes O No (● N/A	
23.	Will p	proposed water mains serve existing structures having private wells? [NR810.15, NR810.16]	O Yes No		
24.		nstallation of the water main(s) include dewatering well construction having a total capacity eding 70 gallons per minute? [NR812.09(4)(a)]	O Yes ● No		
25.		te inspection of the proposed water main construction will be provided by (check all that apply): [NR8	11.11]		
		Engineering firm Owner Other (specify)	_		
26.	Norm	al static pressures throughout the area to be served will range from			
		55 to PSI [NR 811.66(1)(b) & NR 811.70(4)]			
27.	The a	area to be served is (check all that apply): 🛛 Residential 🔲 Commercial 🔲 Industrial 💢 [NR 81]	1.70(9) & NR 811.	71(5)1	

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Water Main Submittal Checklist

Form 3300-066 (R 01/19)

Page 3 of 3

C.	Design Specifics	(cont'd)						
28	8. Calculate the minimum fire flow at any proposed hydrant. [NR811.70(5)&(6), NR811.71(3)]							
	Fire Flow Test							
	Location of residual hydrant: hydrant in the NE corner of 18900 W Bluemound Road 144' west of Brookfield Road							
	Location of flowing hydrant(s): hydrant in the N middle of 18900 W Bluemound Road 493' west of Brookfield Road							
	Distance between r	residual and flowing I	hydrant(s): 349	ft.				
Static pressure at residual hydrant: 71 PSI Elevation of residual hydrant: 857.50 ft.								
	Flow test results:	1300	GPM at a	residual pressur	re of	69	PSI	
	Conversion of flow	test to 500 GPM equ	ivalent yields 500 GP	M @	70.7	PSI		
	Calculations	*				··		
	Location of critical h	nydrant: end of line	on easement in proje	ct				
		critical and residual h		ft.				
		ient ("C" factor):	• — •	 tion of critical hy	drant: 89	5.25 ft.		
		iction: 1.56 PSI			· ·		al head loss: 1	7.9 PSI
			ydrant is 500 GPM at			SI		7.5
	(Attach additional sl		,			OI .		
	1030 A CONTRACTOR OF A STANDARD CONTRACTOR OF A CONTRACTOR OF		must include all losse	es, assumed flow	ws roughness	coefficient n	ine lengths	
	pipe diameters, and	l a node map.		,	,	o o o monorina, p	ipo iorigaio,	
29.	Water mains propos	sed:						
	Diameter ¹ (inches)	Length ¹ (feet)	S	treet name and/	or easement o	description [N	R811.671	
	8	580	easement on site			ž	•	
	6	25	easement on site					
				-				
			1-11-11-11-11-11-11-11-11-11-11-11-11-1					
		3	,-					
	¹ Note: Rule require	ements of other state	agencies pertinent to	water mains, s	uch as Wis. A	dm. Code ch.	PSC 184, should	t
	be reviewe	ed to obtain all nece	ssary approvals.					
D.	Additional Commo	ents	加州的政治	SAME REAL PROPERTY.				
Fur	ther comments on a	ny previous items (u	se additional sheets it	f necessary):				
2	Cartification	and Address of the Lorentz of the Lo						
	Certification		Ball Established Assets					
cer	tify that I have exam	nined the above infor	mation and found it to	be correct, true	e and complete	e.		
Sigr	nature of Profession	al Engineer .			Da	te Signed		
-07			11/				2-7-7)
Printed Name of Professional Engineer Wis. P.E. Number								
	pert Davy		V				31946	
	ail address			Phone	Number (incl.	area IFax	Number (inc. ar	ea code)
				1		- I av		Ja Jours

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