The inspector should ensure well construction does not deviate from the procedure specified in the contract, as any deviations may be contrary to the requirements of the state code. The contract will indicate the diameter of the drill holes, the diameter of the casing to be installed, the type of material expected to be encountered, and the anticipated depth of the well. The construction methods specified are established by a review of the known geological features of the area and the records of any previous wells in the vicinity that may be on file with the State Department of Natural Resources. The size of drill holes and casing, the depth of the casing, and the method of sealing the annular space between the upper drill hole and the casing, or between the casing and the liner pipe are established in accordance with the requirements of Chapter NR 800, Wisconsin Administrative Code of the Department of Natural Resources.

Strict adherence to the contract provisions does not ensure an adequate supply of potable water will be obtained. Many unforeseen difficulties may be encountered, requiring changes in the planned construction procedures. However, no changes in methods or work outside the scope of the original contract must be undertaken until a contract change order has been authorized.

Refer to Figure 1 for steel casing pipe requirements established by the Wisconsin DNR. Recognized national standards for public water supplies recommend a maximum iron content of about 0.3 parts per million. However, for wells of the type in our waysides and rest areas, several parts per million of iron can be tolerated. Also, water that is slightly corrosive (with PH deviating considerably from the norm of 7.0) has been utilized. Hardness has not been a major consideration in evaluating the suitability of these wells.

6-60.1 Construction Details

One source of difficulty occasionally encountered is caving strata below the casing. In these instances, the casing has probably been terminated by driving to a firm seat in a hard layer or stratum, and the drill hole continued through rock into a less firm layer. This layer may or may not be water-bearing. If the material continues to cave and slough into the hole an unsatisfactory well will result.

It also happens occasionally that water from a less firm layer may be unsatisfactory due to high turbidity, iron content, sulphide taste or smell, bacteriological content or other reasons. In either situation, the solution may be to place a liner pipe inside the drill hole and grout the annular space around the pipe to seal off the unsatisfactory formation. A smaller drill hole is then extended downward from the bottom of the liner pipe in an attempt to find a satisfactory source of water. The diameter of the well is usually large enough that one liner pipe can be placed. When the well diameter is decreased by use of a liner pipe, the designer should be contacted to discuss the effect on the water supply system. The outer temporary well casing of the upper drill hole must be removed during grouting operations, unless the engineer allows it to remain in place.

Figure 1 Steel Well Casing Pipe Weights and Dimensions

TABLE V. MINIMUM STEEL WELL CASING PIPE AND COUPLING WEIGHTS AND DIMENSIONS

WELL CASING PIPE									REAMED & DRIFTED COUPLINGS	
Size	Weight in Pounds per Foot				Thickness In Inches		Diameter In Inches		Diameter & Length	
	Threaded & Coupled		Plain End							
Diameter In Inches	Low Cap.	Potable Hi Caps, Schools, & WWTP's	Low Cap.	Potable Hi Caps, Schools, & WWTP's	Low Cap.	Potable Hi Caps, Schools, & WWTP's	External	Internal	External Diameter Inches	Length In Inches
1	1.70		1.68		0.133		1.315	1.049	1.576	2-5/8
1-1/4	2.30		2.27		0.140		1.660	1.380	1.900	2-3/4
1-1/5	2.75		2.72		0.145		1.900	1.610	2.200	2-3/4
2	3.75		3.65		0.154		2.375	2.067	2.750	2-7.8
2-1/2	5.90		5.79		0.203		2.875	2.469	3.250	3-15/16
3	7.70		7.58		0.216		3.500	3.068	4.000	4-1/16
3-1/2	9.25		9.11		0.226		4.000	3.548	4.625	4-3/16
4	11.00		10.79		0.237		4.500	4.026	5.200	4-5/16
5	15.00		14.62		0.258		5.563	5.047	6.296	4-1/2
6	19.45		18.97		0.280		6.625	6.065	7.390	4-11/16
6-5/8OD	20.00		19.49		0.288		6.625	6.049	7.390	4-11/16
8 OD	23.00		22.63		0.317		7.000	6.366	7.657	4-11/16
8	25.55	29.35	24.70	28.55	0.277	0.322	8.625	8.071	9.625	5-1/16
10	35.75	41.85	34.25	40.48	0.307	0.365	10.750	10.136	11.750	5-9/16
12	45.45	51.15	43.77	49.56	0.330	0.375	12.750	12.090	14.000	5-15/16

Note: The weight of threaded and coupled well casing pipe includes the weight of the coupling.

Note: Two-inch diameter or smaller well casing pipe couplings shall have at least 11-1/2 threads per inch.
Larger diameter couplings shall have at least 8 threads per inch.

Note: WWTP means wastewater treatment plant.

PIPE DIAMETER	
U.S. Standard Unit (in)	S.I. Metric Unit (mm)
1	25
1-1/4	32
1-1/2	38
2	50
2-1/2	63
3	76
3-1/2	89
4	100
5	127
6	152
6-5/8	168
7	178
8	200
10	250
12	300

Register, January, 1991, No. 421

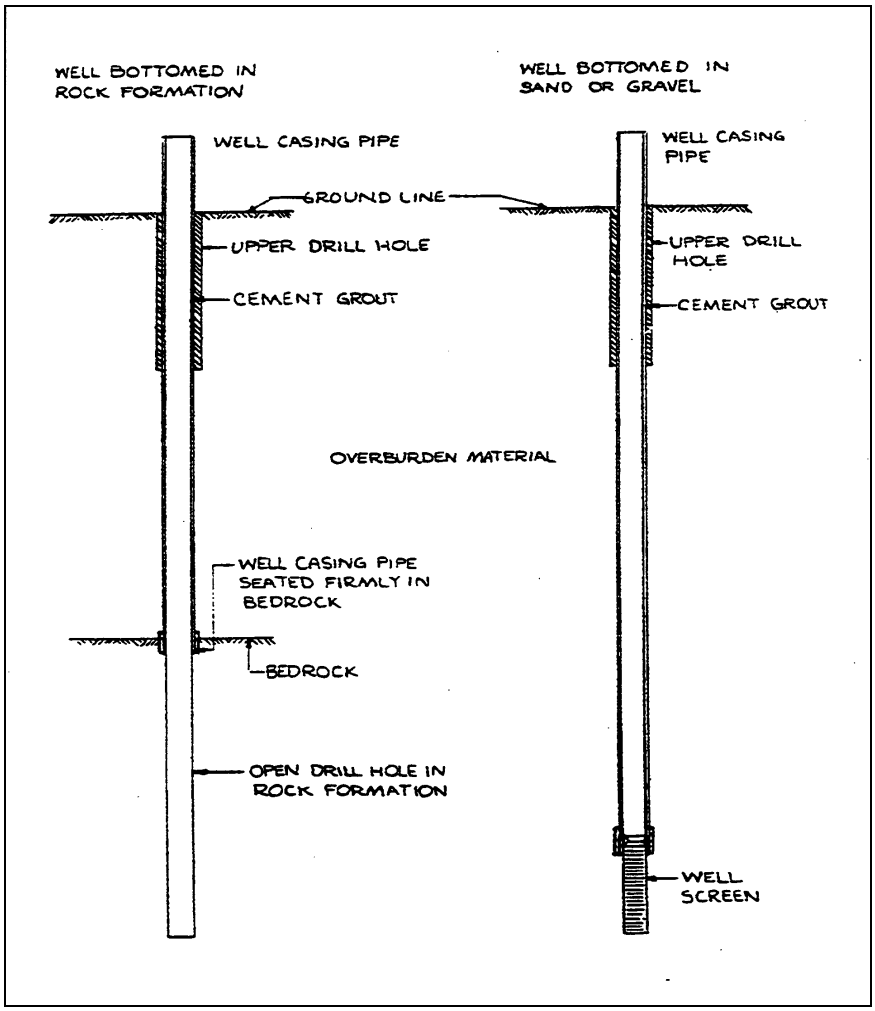
DEPARTMENT OF NATURAL RESOURCES

Wells that are not expected to bottom in bedrock, but where a satisfactory water supply is expected in an unconsolidated and gravel formation, will be required to have the casing fitted at the lower end with a screen. The screen length and size of openings should be as recommended by the manufacturer on the basis of a mechanical analysis of a sample of the material from the water-bearing formation and the specified yield capacity of the well.

Usually the minimum specified screen length of 36" is ample for the capacity required in the department's wayside wells with a hand pump. Generally the screen is placed by either the pullback or bail-down methods. In the pullback method, the screen is lowered to the bottom of the casing and the hole. The casing is then pulled back or retracted and the screen exposed to the aquifer. A special tool is then lowered inside the casing and a formable washer at the top of the screen is swaged outward to form a tight sand seal with the casing.

In the bail-down method, the screen fitted with a special bail-down shoe is lowered to the bottom of the casing and the hole. The sand ahead of the screen is then bailed out through the special shoe and the screen settled to its exposed position in the water-bearing strata. The special nipple in the bail-down shoe at the end of the screen is then plugged and the formable washer at the top swaged to the casing. Instead of using a formable washer, the contractor can opt to drill an oversize drill hole and then weld or screw on the well screen at the bottom of the casing pipe. Details and cross-sections of two typical well installations, one with a screen, are shown in Figure 2.

Figure 2 Cross-Sections of Typical Well Installations



6-60.2 Test Pumping

When it is thought a satisfactory supply of water has been reached, the well should be test pumped. The purpose of test pumping is to determine the yield capacity of the well or to prove it complies with the minimum specified in the contract. The inspector should record the static water level in the well before starting pumping, the pumping rate, which should be held constant until a stable water level is reached in the well, and the corresponding water level, together with the time each observation was taken. It is desirable to make these observations at various pumping rates. If the minimum specified capacity has not been obtained, and the nature of the material encountered makes it improbable that an increased supply can be reached without considerable additional drilling and expense, the well discharge during test pumping should be checked for solids being pumped out of the well.

The operation of disinfecting the well is incidental to the bid item of Well Casing Pipe. The completed system (water column, pump and discharge piping) must be disinfected with a chlorine solution of 100 mg/L (minimum strength) or stronger, which must remain in the system at least 8 hours. The system must be thoroughly flushed before sampling or using the water supply.

6-60.3 Sampling

A two-sample procedure is recommended. The first water sample should be obtained during the test pumping procedure, and the second sample taken after the pump is installed and disinfected. Results of the tests can indicate whether both well and pump are safe or whether the source of contamination is in the well or the pump.

The driller must also file a report with the State Department of Natural Resources showing the details of the well construction and is required by the code to furnish a copy of the report to the owner. A copy of this report should be submitted to the region. The work should not be accepted until satisfactory copies of the Construction Report have been received.

The driller is required by the Wisconsin Administrative Code NR 112.41(3) to obtain a water sample from each new well for transmission to the State Laboratory of Hygiene. The sample may be sent to a private laboratory of

the well driller's choosing provided the private laboratory agrees to send a water sample to DNR and provided the laboratory is certified by the Department of Health and Social Services. The test must be for bacteriological analysis.

The required water sample should be taken by the driller in the presence of the engineer and sent by the engineer, together with a completed Water Bacteriology form requesting analysis of the sample, to the State Laboratory of Hygiene, 465 Henry Mall, Madison, Wisconsin, 54706, or to the address of the certified private laboratory selected by the driller. If the pump and piping system installer is different than the driller, each must submit a water sample, upon completion of the work done by each, for bacteriological analysis.

For each water well drilled, the engineer should complete DNR Form 3300-77, Water Quality Test and send it, together with water samples, to the State Laboratory for Hygiene. The region chief construction engineer should receive a copy of the results of testing from the State Laboratory of Hygiene. Copies of Water Quality & Well Construction Reports need to be filed with region maintenance section and Bureau of Highway Operations. A completed example of Water Quality Test Form 3300-77 is shown in Figure 3.

In accord with standard spec 639.3.3, samples also are to be taken by the driller for nitrate, iron, manganese, turbidity, and hardness tests. A combined sample for bacteria/nitrate test can be sent in, but must be separate from the samples for the other tests.

Frequently, the samples are inadvertently contaminated during the sampling process or may receive contamination from inadequately sterilized components of the pump assembly and piping. It is not uncommon for several samples to test 'unsafe' before one is secured which tests 'safe.' Samples should be taken early in the week and promptly submitted to the laboratory for analysis. In the event the samples are 48 hours old or more when received, the laboratory will not perform the requested analysis and it will be necessary to submit another sample.

In addition to submitting water samples to the State Laboratory of Hygiene for testing, the driller must also file a report with the State Department of Natural Resources showing the details of the well construction and is required by the Wisconsin Administrative Code to furnish a copy of the report to the owner. A copy of this report should be submitted to the region chief construction engineer.

The well should not be accepted until satisfactory copies of DNR Form 3300-77A, Well Construction Report have been received and evaluated. A typical example of the Well Construction Report, DNR Form 3300-77A is shown in Figure 4. A copy of the results of the analysis should be sent to the region.

Figure 3 Example Water Quality Test, DNR Form 3300-77

First Water Quality Test For
WISCONSIN UNIQUE WELL NUMBER

Property Owner: Wis. Dept. of Transp.
Telephone Number: (608) 266-1632
Mailing Address: 4802 Sheboygan Ave.
City: Madison
State: WI
Zip Code: 53707
County of Well Location: Dodge
Co. Well permit No. W_____
Well Completion Date (mm-dd-yyyy): 10-08-2006

Well Constructor (Business Name): Wagner Bros.
License #: 654
Address: W2282 HWY 149
City: Mt. Calvary, WI
State
Zip Code: 53057

← **Mail Results To**

Use this form only for first sample of new, replaced or reconstructed wells.

STOP: DETACH SLIP AT TOP BEFORE COMPLETING UNSHADED AREAS

Date of Collection 10/08/2006 (M M D D Y Y Y Y)
Time 10:30 (H H M M) ☒ AM ☐ PM

Collected By: Roy Brown

Sample Location
☒ Test Pump ☐ Air Lift
☐ Bailer ☐ Sampling Faucet
☐ Other _____

Pump Installer Tom Flaver (If Known)

Other Tests or Comments:

Test Request
Please indicate additional tests desired. (Bacteriological test is required.) See reverse.
☐ Fluoride ☑ Nitrate

Laboratory Use Only
Approved Method:
☐ MMO-MUG (Colilert®, Colisure®, etc.)
☐ Membrane Filter
☐ Multiple Tube Fermentation
☑ Presence/Absence
☐ Other: _____

Laboratory Results
Bacteriological Interpretation:
☑ **Safe** (Coliform Absent)
☐ **Unsafe** (Coliform Present) **and:**
☐ Fecal/E Coli Present ☐ Fecal/E Coli Absent
☐ **Invalid** (Submit another sample)
☐ Old - OL ☐ Frozen - FR
☐ Overgrown - OG ☐ Lab Accident - LA
☐ Turbidity - TU ☐ Shipping Problem - SP
☐ Chlorine Present - CL

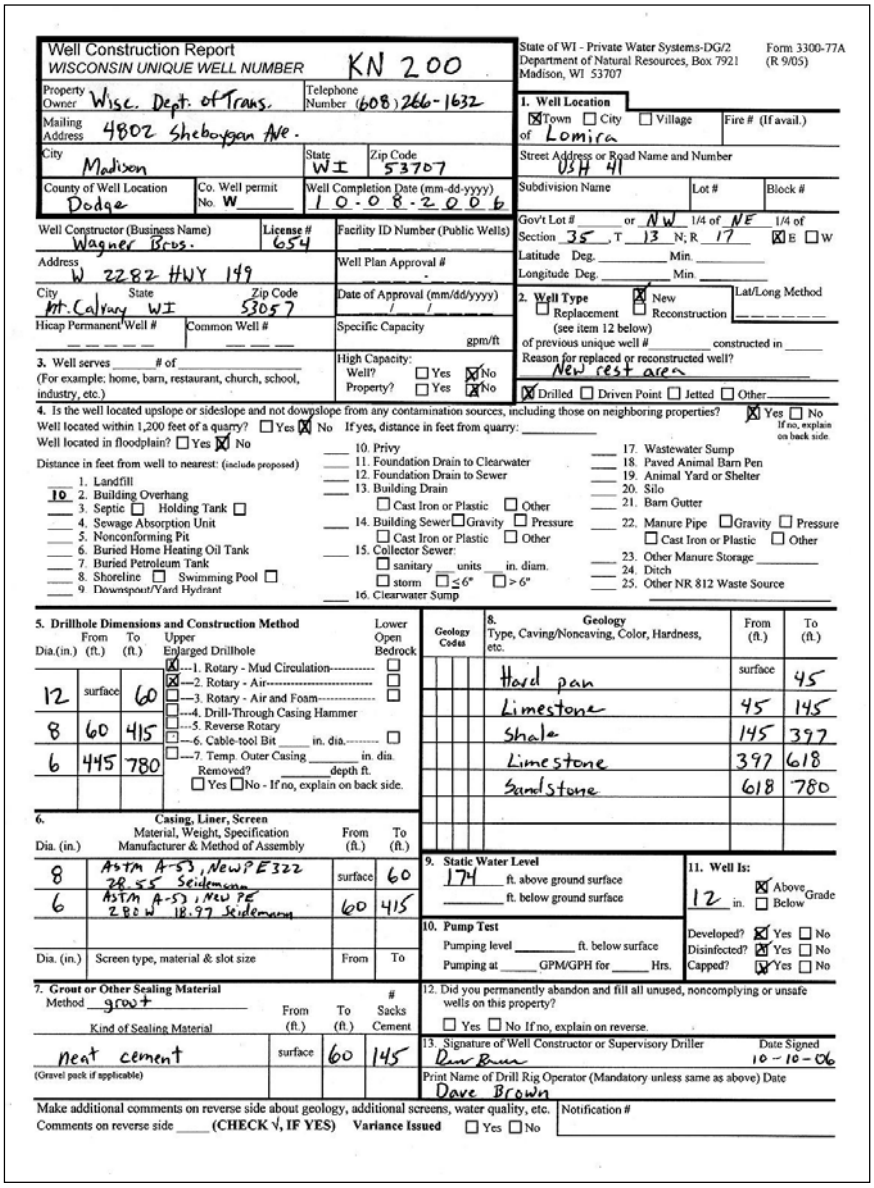
Nitrate: <0.5 **mg/L as N**
Fluoride: _____ **mg/L**

Lab Name: Clean Water Testing, 700 W. Jefferson St., Dayton, WI 54935
Lab Cert.# 123

Date / Time Received: 10/9/06 8 am
Lab Sample No. 41033
Date Reported: 10/11/06 RB
Date Received by DNR

WATER QUALITY TEST
Department of Natural Resources
Form 3300-77 (R 9/05)

Figure 4 Example Well Construction Report, DNR Form 3300-77A



Well Construction Report
WISCONSIN UNIQUE WELL NUMBER KN 200

State of WI - Private Water Systems-DG/2
Department of Natural Resources, Box 7921
Madison, WI 53707
Form 3300-77A (R 9/05)

Property Owner: Wisc. Dept. of Trans.
Telephone Number: (608) 266-1632
Mailing Address: 4802 Sheboygan Ave.
City: Madison
State: WI
Zip Code: 53707
County of Well Location: Dodge
Co. Well permit No. W
Well Completion Date (mm-dd-yyyy): 10-08-2006

1. Well Location
☒ Town ☐ City ☐ Village of Lomira
Fire # (If avail.)
Street Address or Road Name and Number: USH 41
Subdivision Name
Lot #
Block #
Gov't Lot # ____ or NW 1/4 of NE 1/4 of Section 35, T 13 N; R 17 ☒ E ☐ W
Latitude Deg. ____ Min. ____
Longitude Deg. ____ Min. ____

Well Constructor (Business Name): Wagner Bros.
License #: 654
Facility ID Number (Public Wells)
Address: W 2282 HWY 149
Well Plan Approval #
City: Mt. Calvary
State: WI
Zip Code: 53057
Date of Approval (mm/dd/yyyy)
Hicap Permanent Well #
Common Well #
Specific Capacity gpm/ft

2. Well Type ☒ New ☐ Replacement (see item 12 below) ☐ Reconstruction
Lat/Long Method
of previous unique well # ____ constructed in ____
Reason for replaced or reconstructed well? New rest area
☒ Drilled ☐ Driven Point ☐ Jetted ☐ Other ____

3. Well serves ____ # of ____ (For example: home, barn, restaurant, church, school, industry, etc.)
High Capacity: Well? ☐ Yes ☒ No; Property? ☐ Yes ☒ No

4. Is the well located upslope or sideslope and not downslope from any contamination sources, including those on neighboring properties? ☒ Yes ☐ No (If no, explain on back side.)
Well located within 1,200 feet of a quarry? ☐ Yes ☒ No If yes, distance in feet from quarry: ____
Well located in floodplain? ☐ Yes ☒ No
Distance in feet from well to nearest: (include proposed)
____ 1. Landfill
10 2. Building Overhang
____ 3. Septic ☐ Holding Tank ☐
____ 4. Sewage Absorption Unit
____ 5. Nonconforming Pit
____ 6. Buried Home Heating Oil Tank
____ 7. Buried Petroleum Tank
____ 8. Shoreline ☐ Swimming Pool ☐
____ 9. Downspout/Yard Hydrant
____ 10. Privy
____ 11. Foundation Drain to Clearwater
____ 12. Foundation Drain to Sewer
____ 13. Building Drain ☐ Cast Iron or Plastic ☐ Other
____ 14. Building Sewer ☐ Gravity ☐ Pressure ☐ Cast Iron or Plastic ☐ Other
____ 15. Collector Sewer: ☐ sanitary ____ units ____ in. diam. ☐ storm ☐ ≤6" ☐ >6"
____ 16. Clearwater Sump
____ 17. Wastewater Sump
____ 18. Paved Animal Barn Pen
____ 19. Animal Yard or Shelter
____ 20. Silo
____ 21. Barn Gutter
____ 22. Manure Pipe ☐ Gravity ☐ Pressure ☐ Cast Iron or Plastic ☐ Other
____ 23. Other Manure Storage ____
____ 24. Ditch
____ 25. Other NR 812 Waste Source ____

5. Drillhole Dimensions and Construction Method

Dia.(in.)	From (ft.)	To (ft.)
12	surface	60
8	60	415
6	445	780

☒ 1. Rotary - Mud Circulation
☒ 2. Rotary - Air
☐ 3. Rotary - Air and Foam
☐ 4. Drill-Through Casing Hammer
☐ 5. Reverse Rotary
☐ 6. Cable-tool Bit ____ in. dia.
☐ 7. Temp. Outer Casing ____ in. dia. Removed? ____ depth ft. ☐ Yes ☐ No - If no, explain on back side.
Lower Open Bedrock

8. Geology

Geology Codes	Type, Caving/Noncaving, Color, Hardness, etc.	From (ft.)	To (ft.)
	Hard pan	surface	45
	Limestone	45	145
	Shale	145	397
	Limestone	397	618
	Sandstone	618	780

6. Casing, Liner, Screen

Dia. (in.)	Material, Weight, Specification Manufacturer & Method of Assembly	From (ft.)	To (ft.)
8	Astm A-53, New? E322 28.55 Seidemann	surface	60
6	Astm A-53, New PE 280W 18.97 Seidemann	60	415

Dia. (in.)	Screen type, material & slot size	From	To

9. Static Water Level
174 ft. above ground surface
____ ft. below ground surface

10. Pump Test
Pumping level ____ ft. below surface
Pumping at ____ GPM/GPH for ____ Hrs.

11. Well Is: ☒ Above Grade ☐ Below
12 in.
Developed? ☒ Yes ☐ No
Disinfected? ☒ Yes ☐ No
Capped? ☒ Yes ☐ No

7. Grout or Other Sealing Material
Method grout

Kind of Sealing Material	From (ft.)	To (ft.)	# Sacks Cement
neat cement	surface	60	145

(Gravel pack if applicable)

12. Did you permanently abandon and fill all unused, noncomplying or unsafe wells on this property? ☐ Yes ☐ No If no, explain on reverse.

13. Signature of Well Constructor or Supervisory Driller: Dave Brown
Date Signed: 10-10-06
Print Name of Drill Rig Operator (Mandatory unless same as above) Date: Dave Brown

Make additional comments on reverse side about geology, additional screens, water quality, etc.
Comments on reverse side ____ (CHECK √, IF YES) Variance Issued ☐ Yes ☐ No
Notification #

6-60.4 Abandoning Drilled Boreholes and Wells

There is an increased emphasis by the Department of Natural Resources on proper abandonment of drilled holes. The engineer must complete DNR Form 3300-005 Well/Drillhole/Borehole Filling and Sealing report for each well abandoned under the contract, and submit the completed form to the DNR. It should be completed and submitted promptly after the well has been abandoned. Information on the depth of the well and the geologic features should be included only if the information is reliable. Distribution is shown at the bottom of each form sheet and explained on the reverse side. An example of a typical completed report is shown in Figure 5.

The greatest concern is in Situations 3, 4 and 6 below, where the hole provides ready access to ground water. Following are the steps to be taken by WisDOT and consultant drill crews:

1. Boreholes 10' and less in depth will be filled by shoveling in and tamping the drill cuttings. Tamp from bottom to the top.
2. Auger holes greater than 10' in depth will be filled by pouring in 3/4" or 3/8" DNR-approved, bentonite chips. Pour over a coarse screen, at the rate of one minute per bag, to remove dust and prevent bridging. Then activate by pouring in clean water.
3. Bentonite (mud) rotary drilling holes will be filled with a filler. Pump grout from bottom of bore hole to the surface. Pull casing. Top off with at least 6' of DNR-approved bentonite chips and water. Acceptable filler materials are neat cement group, sand-cement grout, concrete mixture, bentonite-sand slurry, or bentonite-cement grout.

4. Holes drilled from a barge will be filled by cement grouting from the bottom to the barge deck. Then pull casing.
5. Barnyard, pasture, cultivated farm fields and related area-type borings will be cement grouted from the bottom of 2' below surface. Complete with tamped topsoil.
6. Monitoring well abandonment:
   - Drop in drill rod with bit and pump cement grout from the bottom to the surface.
   - Pull the drill rod and auger out the top 6' of PVC pipe and annular space seal.
   - Complete with bentonite chips and water.
7. Additional notes:
   - Neat cement group: 80# bag of Portland cement to 5-6 gal of water.
   - Sand-cement group: 80# bag of Portland cement, one cubic yard of sand and 5-6 gal of water.
   - Concrete: 80# bag of Portland cement, equal volumes of sand and gravel (recommend to use max size 100% passing 3/4" screen 100% retained on 3/8' screen) and 5-6 gal of water. The ratio of volumes of sand and gravel to cement must not exceed 3 to 1 (use only in drill holes 4" or larger.)
   - Bentonite-sand slurry: 55# of bentonite to 100 gal of water, and 10-25% sand by volume. The mud density must be a minimum of 12#/gal.
   - Bentonite-cement group: 5# of bentonite to 80# of cement and 5-6 gal of water.
   - Asphalt paved areas at airports will be topped off with 6" of asphaltic mixture. All other asphalt and concrete paved areas, including highways, will be topped off with 6" of Portland cement concrete.

Additional information relative to abandoning wells is contained in CMM 6-60 and standard spec 204.3.3.

Figure 5 Example Well/Drillhole/Borehole Abandonment, DNR Form 3300-5

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing
Form 3300-005 (R 8/07) Page 1 of 2

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☐ Other:

1. Well Location Information

County: Grant
WI Unique Well # of Removed Well: _ _ _ _ _
Hicap #:
Lattitude / Longitude (Degrees and Minutes): __ __ ° __ __ . __ __ __ 'N / __ __ ° __ __ . __ __ __ 'W
Method Code (see instructions): _ _ _ _ _ _
¼/¼ NW ¼ NE or Gov't Lot #
Section: 33
Township: 6 N
Range: 3 ☐ E ☒ W
Well Street Address: 6202 Main St.
Well City, Village or Town: Beetown
Well ZIP Code: 53211
Subdivision Name:
Lot #:
Reason For Removal From Service: not in use/In hwy R/W
WI Unique Well # of Replacement Well: _ _ _ _ _

2. Facility / Owner Information

Facility Name:
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner:
Present Well Owner: Wi Dept. of Transportation
Mailing Address of Present Owner: 4802 Sheboygan Ave
City of Present Owner: Madison
State: WI
ZIP Code: 53707

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☒ Water Well
☐ Borehole / Drillhole
Original Construction Date (mm/dd/yyyy): Unknown
If a Well Construction Report is available, please attach.
Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (specify):
Formation Type:
☐ Unconsolidated Formation ☐ Bedrock
Total Well Depth From Ground Surface (ft.):
Casing Diameter (in.):
Lower Drillhole Diameter (in.):
Casing Depth (ft.):
Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown
If yes, to what depth (feet)?:
Depth to Water (feet):

4. Pump, Liner, Screen, Casing & Sealing Material

	Yes	No	N/A
Pump and piping removed?	☒	☐	☐
Liner(s) removed?	☐	☒	☐
Screen removed?	☐	☒	☐
Casing left in place?	☒	☐	☐
Was casing cut off below surface?	☒	☐	☐
Did sealing material rise to surface?	☒	☐	☐
Did material settle after 24 hours?	☐	☒	☐
If yes, was hole retopped?	☐	☐	☐
If bentonite chips were used, were they hydrated with water from a known safe source?	☐	☐	☐

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain): poured

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks, Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Baroid Hole Plug 3/8"	Surface	50	16	

6. Comments

Pit/top of well 4 feet depth

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: Favorite Pump Service
License #:
Date of Filling & Sealing (mm/dd/yyyy): 10/8/2006
Street or Route: 2010 CTH B
Telephone Number: (608)555-2357
City: Platteville, WI
State: WI
ZIP Code: 53818
Signature of Person Doing Work: [signature]
Date Signed:

DNR Use Only
Date Received:
Noted By:
Comments: