



Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

Division of Public Water Supplies Application for Construction Permit

The regulations referenced in this application are taken from the Illinois Environmental Protection Act, 2007. All subsequent rules, regulations, and violations listed in this document can be found within the Act. This application may be completed online, a copy saved locally, and printed before it is signed and mailed to the Illinois EPA.

1. Name of Public Water Supply: City of Naperville
2. Facility ID: IL0434670 County: Will
3. Location of Project: Northwest corner of 103rd Street and 248th Avenue
4. Title of Plans: Final Site Development Plans for Ashwood Heights - Phase 2
- Number of Construction Drawings: 15

5. Documents being Submitted:
- | | |
|--|---|
| <input checked="" type="checkbox"/> Application for Construction Permit | <input type="checkbox"/> Engineer's Design Summary |
| <input checked="" type="checkbox"/> Schedule A - Cost Estimate | <input type="checkbox"/> Schedule C-I Well Drilling Only |
| <input checked="" type="checkbox"/> Schedule B - Water Main Construction | <input type="checkbox"/> Schedule C-II Well Completion |
| <input checked="" type="checkbox"/> Specifications | <input checked="" type="checkbox"/> Permit Fee (Applicable Water Main Only) |
| <input checked="" type="checkbox"/> Construction Drawings | |

6. Scope of Project:

Construction of 32 LF of 6" DIWM and 500 LF of 8" DIWM to serve 9 single-family homes.

7. Illinois Commerce Commission: Are you a privately owned water company subject to Illinois Commerce Commission rules? Yes No
8. Infringement on **Other Public Water Supplies**: Will any part of this project be located within the boundaries of an area served by another PWS? Yes No

9. Certifications

NOTE: Each person signing this application certifies that the information in the application is complete and accurate, and that the text of the application has not been changed from the Agency's official construction permit application form.

9.1) Certificate by Design Engineer

I hereby certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief such information is true, complete and accurate.

Name Randall W. Bus, P.E. Registration Number 062-032381

Firm CEMCON, Ltd.

Address 2280 White Oak Circle, Suite 100

City Aurora State IL Zip 60502

Phone Number (630) 862-2100 Email (optional) randyb@cemcon.com


Signature

4/20/22
Date

9.2) Certificate by Applicant(s) to Construct

I hereby certify that I have read and thoroughly understand the conditions and requirements of this submittal. I/the representative company hereby agree to conform with the Standard Conditions and any Special Conditions made part of this Construction Permit.

Name Silverthorne Development Company

Address 1827 E. Lincoln Highway

City DeKalb State IL Zip 60115 Phone Number (815) 751-9769


Signature

4-19-22
Date

9.3) Water Main Fees

Section 16.1 of the Illinois Environmental Protection Act (Act) requires the Agency to collect a fee for certain applications for the installation or extension of water mains. There are no permit fees for other improvements (for example, treatment facilities) to public water supply systems and only certain water main projects are affected. The Agency will not approve any construction application without the required fee. Except for the conditions listed in Section 9.4, the following fee schedule applies per Section 16.1(d) of the Act:

Fee : Total Length of Water Main

- \$ 0 : 200 feet or less
- \$ 240 : Greater than 200 feet but not more than 1,000 feet
- \$ 720 : Greater than 1,000 feet, but not more than 5,000 feet
- \$1200 : Greater than 5,000 feet

Please check the appropriate fee; make check or money order payable to: *Treasurer, State of Illinois* and submit along with this application. Any fee remitted to the Agency shall not be refunded at any time or for any reason, either in whole or in part.

9.4) Water Main Fee Exceptions - READ CAREFULLY BEFORE SIGNING THE FOLLOWING

The Water Main Permit fee does not apply to:

- a. Any Department, Agency or Unit of State Government.
- b. Any unit of local government where all of the following conditions are met:
 - i. The cost of the installation or extension is paid wholly from monies of the unit of local government, state grants or loans, federal grants or loans, or any combination thereof.
 - ii. The unit of local government is not given monies, reimbursed or paid, either in whole or in part, by another person (except for State grants or loans or federal grants or loans).

I, _____ hereby certify that this project meets the above criteria.
(Unit of local government & signature of authorized official)

DO NOT SIGN HERE UNLESS PROJECT MEETS FEE EXCEPTION CRITERIA.

9.5) Agreement to Furnish Water (this section must be completed if applicable)

The _____ City of Naperville _____ has agreed to furnish water to the area in which
(City, Town, Village, Water Company or Water Authority)

water main extensions are proposed by Silverthorne Development Company
(Applicant to construct)

according to plans titled Final Site Development Plans for Ashwood Heights - Phase 2
prepared by CEMCON, Ltd.
(Engineering Firm)

The undersigned acknowledges the public water supply's responsibility for examining the plans and specifications to determine the proposed extensions meet local laws, regulations, and ordinances.

Signature of authorized public water supply official Title Date

9.6) Certification by Owner(s) of Completed Public Water Supply Improvement(s)

I hereby certify that I have read and thoroughly understand the conditions and requirements of this submittal. I hereby agree to accept ownership of the project upon satisfactory completion.

City of Naperville _____ IL0434670
Name of Public Water Supply Facility ID

400 S. Eagle Street _____ Naperville _____ IL 60540
Address City State Zip

Signature of authorized public water supply official Date

Printed name of authorized public water supply official Printed title of authorized public water supply official

NOTE: Applications signed by a person other than a responsible municipal official, corporation officer, or owner, must be accompanied by evidence of authority to sign the applications, unless documentation of such authority is on file with the Division of Public Water Supplies.

Felony Warning: Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony (415 ILCS 5/44(h)).

This Agency is authorized to require this information under Illinois Compiled Statutes, 415 ILCS 5/39 (2000). Disclosure of this information is required under that Section. Failure to do so may prevent this form from being processed and could result in your application being denied.

IEPA - DIVISION OF PUBLIC WATER SUPPLIES - PERMIT SECTION
SCHEDULE A - ENGINEER'S COST ESTIMATE

Requests by various agencies and state and federal representatives for information on the cost of water works improvements have been numerous. Therefore, we feel there is a need for obtaining and compiling this information. We would appreciate your cooperation by supplying us with this data with each set of plans and specifications. Please submit the cost data with each of your projects sent in for approval.

1.	Name of Public Water Supply <u>City of Naperville</u>			
	<u>Ashwood Heights - Phase 2</u>			
2.	<u>SOURCE</u>			
	A. Stream intake, impoundment.	\$ _____		
	B. Well (s).	\$ _____		
	C. Others	\$ _____		
		TOTAL		\$ 0.00
3.	<u>TREATMENT</u>			
	A. Aeration facilities and detention basins.	\$ _____		
	B. High service pumps.	\$ _____		
	C. Filtration and/or ion exchange softening	\$ _____		
	D. Mixing and settling basins and/or flocculation equipment.	\$ _____		
	E. Chlorination and fluoridation equipment.	\$ _____		
	F. Recarbonation, chemical feeders, chemical handling equipment	\$ _____		
	G. Lab, buildings and miscellaneous.	\$ _____		
		TOTAL		\$ 0.00
4.	<u>WASTE DISPOSAL FACILITIES</u>			
	A. Pumps and piping.	\$ _____		
	B. Holding structures	\$ _____		
	C. Treatment unit.	\$ _____		
		TOTAL		\$ 0.00
5.	<u>STORAGE</u>			
	A. Ground level tank(s).	\$ _____		
	B. Elevated tank(s).	\$ _____		
	C. Pressure tank(s).	\$ _____		
		TOTAL		\$ 0.00
6.	<u>DISTRIBUTION SYSTEM</u>			
	A. Feeder mains, booster pump(s) and station(s).	\$ _____		
	B. Water main extension(s)	\$ _____		
	C. Complete distribution.	\$ 73,686.00		
		TOTAL		\$ 73,686.00
7.	<u>TOTAL PROJECT COST</u>	\$ 73,686.00		

IL 532-0843

This Agency is authorized to require this information under Illinois Compiled Statutes, 1415 ILCS 5/39 (1998). Disclosure of this information is required under that Section. Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.



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Division of Public Water Supplies, Permit Section Schedule B - Water Main Construction

This form may be completed within Acrobat, a copy saved locally, and printed before it is signed. You may also complete a printed copy manually. Submit the completed and signed form to the Illinois EPA, Division of Public Water Supplies, Permit Section at the address listed above.

Name of Public Water Supply: City of Naperville

ID# IL: 0434670

Project Title: Ashwood Heights - Phase 2

1. Check the appropriate boxes to indicate the specifications to be used for the water main:

- A. Standard Specifications for Water and Sewer Main Construction in Illinois (2014 Edition)
- B. Engineer's approved specifications on file with this Agency
- C. Public Water Supply approved specifications on file with this Agency
- D. Specifications submitted with the plan documents

2. Existing Population served by present supply: 148,000

3. Population to be served by water main extension: 31.5

4. Average daily pumpage from water works: 14.949 (MGD)

5. Maximum day pumpage from water works: 26.198 (MGD)

6. Capacity of water works: 48.202 (MGD)

7. Capacity of raw water source: 48.202 (MGD)

8. Capacity of existing line(s) at connection point(s): 5 (MGD)

9. Capacity of proposed water main extension or system: 5 (MGD)

10. Normal expected operating pressure on proposed water main extension: 60 (PSI)

11. Minimum expected operating pressure on proposed water main extension: 55 (PSI)

12. Pressure at point of connection at present maximum demand: 55 (PSI)

13. Calculated pressure at point of connection under maximum demand conditions after installation of water main: 55 (PSI)

14. Water mains to be installed must be listed below:

Pipe size (inches)	6	8				
Total Length (feet)	32	500				

15. Provide the general material specifications and type of joints:

Ductile Iron Watermain Class 52, with polyethylene wrap per AWWA C105, Push-On Joints, Gaskets and Cast Iron Fittings conforming to ANSI A21.10 or AWWA C111.

This Agency is authorized to request this information under 415 ILCS 5/4(b)(2012). Disclosure of this information is voluntary and no penalties will result from the failure to provide the information. However, the absence of the information could prevent your application from being processed or could result in denial of your application from being or could result in denial of your application for certification. This form has been approved by the Forms Management Center.

16. Depth of Cover: 5.0 feet

17. Disinfection:

A. Chemical Used: Chlorine liquid

B. Initial Disinfectant Concentration: 50 (mg/L)

C. Final Disinfectant Concentration: 25 (mg/L)

D. Retention Time: 24 (hrs)

E. Provisions must be made for collection of water samples to be collected for bacteriological analysis on two consecutive days taken at 24-hour intervals.

18. Sewer and Water Separation:

Minimum horizontal and vertical separation requirements of this Agency to be followed: Yes No

If "No", explain provisions for protection of water main:

19. List all deviations from this Agency's design criteria and state justifications for deviations.

N/A

20. Is this project located in a flood plain? Yes No *(Please locate the project site using the FEMA Map Service Center website at: <https://msc.fema.gov/>.)*

If yes, contact the Illinois Department of Natural Resources, Division of Water Resources Management for further permit requirements.