



Village of Riverwoods
300 Portwine Road
Riverwoods, IL 60015-3898
Phone (847) 945-3990
Fax (847) 945-4059

Water Service Connection/Alteration Permit Application

Application Date: _____

Applicant Name : _____

Company Name (if applicable) : _____

Address : _____ City, State, ZIP : _____

Phone : () _____

Site Information :

Site Address : _____

Permanent Index Number (PIN) : ____ - ____ - ____ - ____

Person or firm that will install the service line:

Company Name: _____

Address : _____ City, State, ZIP : _____

Phone : () _____

Licensed Plumber that will perform interior plumbing work:

Name & License Number: _____

Company Name (if applicable) : _____

Address : _____ City, State, ZIP : _____

Phone : () _____

Type of work to be performed (check all that apply) :

- | | |
|---|---|
| <input type="checkbox"/> New connection to water system | <input type="checkbox"/> Disconnect existing water service line |
| <input type="checkbox"/> Repair/Replace existing water service line | |

I hereby certify that I have reviewed the water service connection permit requirements and conditions on the reverse of this form and that all work will be performed in accordance with applicable State and local regulations.

SIGNATURE

PLEASE PRINT NAME

APPROVED BY

PERMIT DATE

Permit valid for one year from date of issuance
See reverse for permit conditions

Village of Riverwoods
Conditions to the Water Service Connection Permit

1. A Water Connection Inspection Permit must be obtained from the Village before any connection is made to the Village's water distribution system. **AN APPROVED WATER CONNECTION PERMIT MUST BE MADE AVAILABLE AT THE JOB SITE UPON REQUEST.**
2. Individual water wells may remain in service for outdoor use only. Backflow prevention by means of an RPZ valve is required for any property with an active water well served by the Municipal water system. The Illinois
3. If a well is to be abandoned, provide a completed Well Sealing Form (attached) approved by the Lake County Health Department.
4. Schedule inspection of the connection with the office of the Village Engineer (847.478.9700) a minimum of three working days prior to starting work.
5. Water meters shall be installed by Village personnel. Contact Swanson Water Treatment (847.680.1113) to provide a minimum of three working days notice. Meter spread is 16 inches for 1" meters and 14 inches for 1.5" meters.
6. The contractor is responsible for maintaining all service line separation requirements to structures, lot lines, sewers, septic tanks and fields, private wells, etc.
7. All water services must be constructed and laid in accordance with the requirements of the Illinois Environmental Protection Agency, the Lake County Health Department, and the Village of Riverwoods. Materials shall be as follows:
 - a. Type K - tempered copper pipe, ASTM B-88-62 and B-251 or polyethylene (PE) tubing, ASTM D 2737 (3/4 inch and larger). PE tubing shall have a minimum working pressure of two hundred (200) psi. PE tubing shall be copper tube size SDR 9 and shall be colored blue. Inserts for PE tubing may be utilized, and, if used, shall be 316 stainless steel. Tubing shall be approved for use with potable water by the National Sanitation Foundation (NSF-14) and shall be continuously marked at intervals of not more than four feet (4') with the following:
 - i. Nominal size.
 - ii. Pressure rating.
 - iii. NSF seal.
 - iv. Manufacturer's name.
 - v. Standard dimension ratio.
 - vi. ASTM specification.

No joints shall be allowed in PE tubing. No plastic water lines of any type shall be allowed in structures.

- b. Corporation stops and curb stops shall be brass (150 psi test pressure) with suitable outlets for copper connections. Curb stops shall be of the "Minneapolis" type, with curb stop threaded into service box.
 - c. All fittings shall be high quality waterworks brass with AWWA standard threads.
8. Service size shall be in accordance with the requirements of the Illinois Plumbing Code.
9. The owner is responsible for any damages or disturbance to the public right-of-way and roads. **Restoration of the public right-of-way and/or roads will be the responsibility of the owner.** The restoration work must be completed in a manner that is satisfactory to the Village.

Water Service Connection Requirements

- Connection fee is \$20,000.00 per residence. This fee is paid through property taxes for properties in Special Service Areas for water.
- There is an upcharge of \$575.00 for an oversized (1½-inch) water meter.
- A \$100.00 meter installation & restoration deposit is required (refunded when complete).
- All work shall be performed in conformance with Village standards, Illinois Plumbing Code and “Standard Specifications for Water and Sewer Main Construction in Illinois”, latest revision.
- Proposed b-box location must be marked in field prior to JULIE call for review by Village Engineer.
- Contact Village Engineer at 847.478.9700 to schedule b-box location review, inspection of main tap, or connection to existing b-box.
- Contact Swanson Water Treatment at 847.680.1113 for supply of water meter base. **Base must be installed within 24 hours of service line installation.**
- Wells may remain in service for outdoor use/hose bibs only. All well lines must be physically separated from lines carrying Lake Michigan water.
- An RPZ and expansion tank on the cold-water side are required if the well is not abandoned. RPZs must be inspected annually at owner’s expense and the inspection report provided to the Village Water Department. RPZs should be installed in a room with a floor drain and/or sump pump.
- Any tree damage/removal is subject to the requirements of the Riverwoods Tree Protection and Woodland Protection Ordinances. Services to be installed via open cut must be approved by Village Forester.



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Water Service Connections Frequently Asked Questions:

Q: What is "Village Water"?

A: The Village's water system consists of mains and reservoirs for Lake Michigan drinking water supplied to Riverwoods by the Villages of Northbrook Deerfield.

Q: A water main was installed in front of my house. Do I have to connect?

A: Generally, no, with exceptions upon the sale of certain property. Refer to Article 7-2A-1.B

Q: How much are water connection fees for a new service?

A: The Village's standard water connection fee is \$20,000.00 for a one-inch service. Additional charges may apply for larger services. No connection fee is required for a replacement service.

Q: Will the connection fee be higher if I connect at a later time?

A: There is currently no planned increase in the water connection fee. However, this fee, like any other, is more likely to get higher with time than go lower.

Q: How is the connection fee assessed in a Special Service Area?

A: Properties in a Special Service Area (SSA) pay the connection fee through the SSA charges included on the property tax bill.

Q: Is my house in a water SSA?

A: You can check your real estate tax bill or use the Lake County online mapping application at <http://gis1.co.lake.il.us/mapsonline/default.asp>. The Riverwoods water SSAs are numbered 11, 14, 15, 16, 17, and 20.

Q: What is the purpose of an SSA?

A: Generally speaking, formation of an SSA allows the connection fees to be financed, typically over a ten-year period. In addition, SSA projects typically include the installation of water main taps and buffalo boxes (the valve between the main and your home), further reducing the initial out-of-pocket expense of bringing the service line to the home.

Naturally, the disadvantage of SSA financing is that the connection fees are paid back with interest, increasing the total costs. Furthermore, state statute requires that SSA assessments are allocated annually with property taxes on an "ad valorem" basis, under which properties with higher assessed values pay more than those with lower assessed values.

Q: What are the additional costs beyond the connection fee?

A: In addition to the connection fee, which is collected to offset the costs of installing the mains, the property owner is responsible for all costs associated with bringing water service from the mains to the house. These costs include service line installation, interior plumbing work, abandonment of existing wells, and restoration. These costs vary widely depending on the distance from the house to the street, the plumbing modifications required, and the fees charged by the contractor and/or plumber.

Q: What does the Village charge for water service?

A: The current water rate is \$6.75 per 1,000 gallons, billed quarterly.

Q: How much water does a typical home consume?

A: Engineers typically use an estimate of 100 gallons per day per person. This is, however, a very general estimate is meant to cover a wide range of housing. Water usage rates can be dramatically higher in homes with lawn sprinkling systems, high-volume showers, a large number of bathrooms, or other water-intensive amenities common to newer construction.

Q: If I connect, can I keep my well?

A: Yes, for outdoor use only. However, you should weigh the benefits and costs carefully. If the well is not abandoned in accordance with the requirements of the Lake County Health Department, your plumber will be required to install a reduced pressure zone (RPZ) valve at the time of connection to the water system. An RPZ valve prevents the flow of water from inside the house back into the public system.

The cost of installing an RPZ system typically costs at least \$500 and is often in excess of \$2,000 depending on the particulars of the existing plumbing. In addition, Illinois EPA regulations require that the RPZ must be inspected and certified annually, which typically costs about \$150. These costs should be considered in the decision to keep an existing well in service.

Q: Where can I get more information?

A: You may contact the Village Water Department at 847.945.3990 for more information.

Plumbing Contractors

H.T. Strenger, Inc.

28915 N. Herky Drive Unit #101
Lake Bluff, IL 60044
847.816.7800
Contact: Max Bowyer

Mergenthaler Plumbing

1450 Paddock Drive
Northbrook, IL 60062
847.724.2004
Contact: Michael Cork

Northfield Plumbing

1749-B Harding Road
Northfield, Illinois 60093
847.441.0881
Contact: Mike Murrin

Biagi Plumbing

3815 Grandville Avenue
Gurnee, Illinois 60031-2310
847.263.1616
Contact: Dennis Komar

Directional Drilling Contractors

R. J. Underground, Inc.

4239 Green Bay Road, Ste. 200
Kenosha, Wisconsin 53144
262.605.8933
Contact: Mike McCormick

Biagi Plumbing

3815 Grandville Avenue
Gurnee, Illinois 60031-2310
847.263.1616
Contact: Dennis Komar

DiMeo Brothers, Inc.

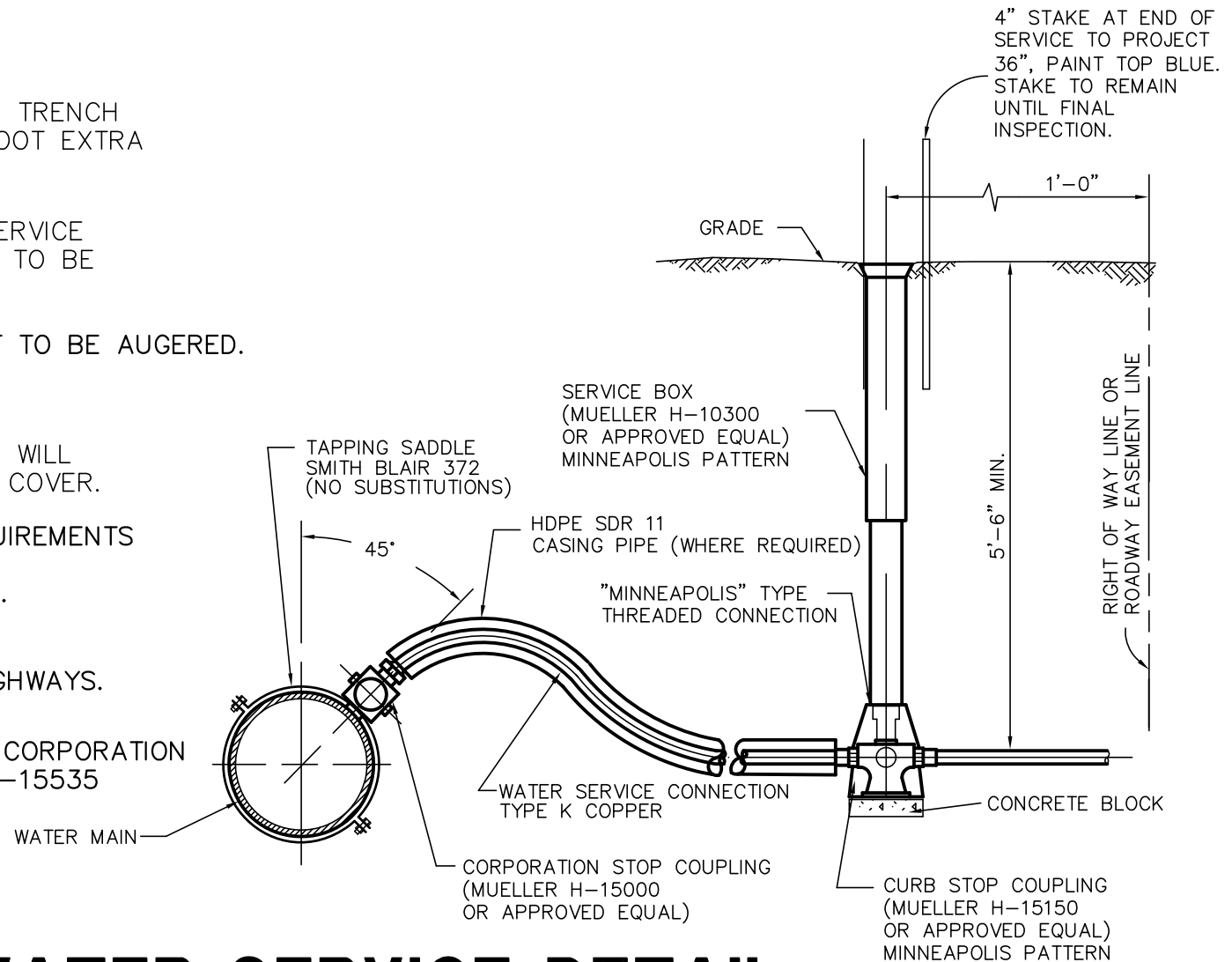
720 Richard Lane
Elk Grove Village, Illinois 60007
847.640.2240
Contact: John Dimeo

Note: Lower costs for service line and plumbing work may be accomplished by having multiple residents contracting for the work together.

This information is provided as a service to homeowners wishing to connect to the Village water system. This list does not constitute an endorsement or recommendation of any contractor; homeowners may contract with any firm or individual qualified and licensed to perform the work required.

NOTES:

1. SERVICE PIPE TO BE WEAVED IN TRENCH TO ALLOW AT LEAST ONE (1) FOOT EXTRA LENGTH IN ITS LENGTH.
2. UPON COMPLETION OF WATER SERVICE CONSTRUCTION, ALL BOXES ARE TO BE SET AT FINISHED GRADE.
3. ALL SERVICES UNDER PAVEMENT TO BE AUGERED.
4. JET ALL TRENCHES.
5. ALL WATER SERVICES TO HOUSE WILL HAVE MINIMUM 5.5' OF GROUND COVER.
6. IEPA MINIMUM SEPARATION REQUIREMENTS MUST BE MAINTAINED BETWEEN SERVICES AND EXISTING SEWERS.
7. INSTALL CASING PIPE ON ALL SERVICES CROSSING COUNTY HIGHWAYS.
7. ABANDON EXISTING SERVICE AT CORPORATION USING COPPER DISC MUELLER H-15535 AND FLARE NUT.



WATER SERVICE DETAIL