

SECTION XV: WATER SERVICE FOR RURAL AREAS

15.01 PURPOSE

- a. Residents that live in a sparsely populated rural area within Warren County's Water District may petition the County to receive water service through the County sponsored construction of domestic-only service lines (rural water standards). These improvements consist of small diameter (less than 8-inch) Polyvinyl Chloride (PVC) waterlines that are capable of domestic service but insufficiently sized to provide fire protection and therefore are not be equipped with fire hydrants. The construction standards outlined below are intended to allow for affordable construction in areas of the County with low residential densities. These standards apply to improvements that are designed, constructed and financed by Warren County and shall not apply to proposed residential subdivision developments.

15.02 SERVICE AREA

- a. The Board of County Commissioners, in conjunction with the County Sanitary Engineer, in its sole discretion shall establish areas within the water district where construction using the rural water standards is appropriate. Such areas shall be limited to the peripheries of the County's distribution system and locations where redundant looping of waterlines is not critical. The areas shall be limited to those locations identified in **Figures 15-1, 15-2, and 15-3** and can be expanded or reduced in size, by resolution of the Board.

15.03 LEVEL OF SERVICE

- a. Rural water service area customers shall receive domestic water service from County owned and operated water lines.
- b. Water lines installed using rural water standards will not be sized to convey fire protection flow nor shall they be equipped with fire hydrants.
- c. All water service charges and fees outlined in Sections VII and VIII shall apply to customers served from improvements built under the rural water standards.

15.04 PROCESS FOR REQUESTING SERVICE

- a. Residents requesting service shall submit a petition and statement to the Warren County Water and Sewer Department. The petition shall contain the names and signatures of a majority of the residential homes within a proposed improvement area. The majority of residents within the proposed improvement area must be supportive of the project and provide a written commitment that they will connect to the water line and pay all required fees within one year of completion of the improvements.
- b. Upon receiving the request, the Water & Sewer Department will prepare a preliminary design study that includes a water main alignment, estimated construction cost, necessary public utility easements, a proposed design and construction schedule, and the availability of funds to complete the project including monies from anticipated Tap-In fees, Project Cost fees, and Water & Sewer capital construction funds.
- c. The Board of County Commissioners shall review the results of the preliminary design study including the anticipated project funding sources.
- d. In the event the Board of County Commissioners approve a petition for water service under the provisions of this section, the Water & Sewer Department will proceed forward with the design and construction of the project.

15.05 CAPITAL IMPROVEMENT PROJECT FINANCING

- a. Improvements shall be designed and constructed by Warren County, and Warren County shall finance the construction through cash reserves, loan, or bond issuance.

- b. Upon completion of the improvements, residents that register an account with the Warren County Water Department shall pay the following fees for service:

Current Tap-In Fee	\$4,000
Project Cost	\$1,500
Meter Set Fee	\$ 200
Lateral Inspection Fee	<u>\$80</u>
TOTAL:	\$5,780

- c. All fees shall be collected prior to the start of water service. Fees shall not be eligible for assessment onto the County tax record.

15.06 CONSTRUCTION STANDARDS

Warren County waterline design and construction standards shall be modified for rural water system projects to include the acceptance of PVC Pipe and appearances including fittings, restrained joints, and tracer wire as follows:

A. Polyvinyl Chloride (PVC) Pipe

1. Pipe 3 inches through 6 inches: Conform to requirements of AWWA C- 900 with a dimension ratio (DR) of 14 pressure class 305. PVC material used in pipe shall be as specified in ASTM D1784, Cell Classification 1245-B. Each pipe length shall be marked with the manufacturer's name, size, material code, pressure class, AWWA designation number, and seal of test agency that verified pipe material for potable water service.
2. PVC pipe shall have bell and spigot push-on joints meeting the requirements of ASTM D-3139.. The bell shall consist of an integral wall section with a solid cross-section elastomeric gasket securely locked in place to prevent displacement during assembly. Gaskets shall be rubber rung type meeting the requirements of ASTM F-477 (AWWA C900).
3. The potable water mains shall be blue in color.

B. Fittings:

1. PVC Pipe: Fittings shall be ductile iron mechanical joint, with a working pressure of 250 psi and conforming to AWWA Specifications C110 or C153. All bolts and nuts shall be 304 stainless steel and shall meet the requirements for ANSI/AWWA C111/A21-11 for buried application.
2. Tapping Sleeves: Sleeve shall be stainless steel, mechanical joint type, with working pressure rating of 250 PSI, and conform to AWWA Standard C110.
3. All fittings shall be manufactured in the United States.

C. Restrained Joints

1. Restrained Joint for PVC Pipe: Pipe fittings and other requiring restraint shall utilize Megalug appurtenances, (or approved equal) joint restrain devices.

D. Tracer Wire

1. Tracer wire for direct burial applications shall be a #10 AWG (0.1019" diameter) fully annealed, high carbon 1055 grade steel, high strength solid copper clad steel conductor (HS-CCS), insulated with a 30 mil, high-density, high molecular weight polyethylene (HDPE) insulation, and rated for direct burial use at 30 volts. Conductor must be at 21% conductivity for locate purposes. Break load of 684 lbs. Tracer wire shall be Copperhead Industries, Part No. 1030B-HS, or equal.

RURAL WATER LINE PETITION & STATEMENT

To: Board of County Commissioners
Warren County, Ohio

The undersigned residents of Warren County, being the title holder of the hereinafter described properties (the "Petitioners"), by this petition filed with the Board of County Commissioners of the County of Warren, Ohio, and by this writing, requests, pursuant to Chapter 6103 of the Ohio Revised Code, and subject to the terms and conditions stated herein, that said Board of County Commissioners construct, own and operation the rural water line improvements (the "Improvements") described herein, and that the cost of said Improvements be born by the Petitioners and by future customers that connect to the Improvements as set forth hereafter:

Improvements The Improvements shall consist of small diameter (less than 8-inch) pressure rated polyvinyl chloride (PVC) water line, valves, fittings, customer service connections, and meters.

Design of Improvements The Water & Sewer Department shall prepare a preliminary design study that includes a water main alignment, estimated construction cost, necessary public utility easements, design and construction schedule, and anticipated revenues from customer connection fees and charges. The Board of County Commissioners shall review the results of the preliminary study and shall approve, revise, modify, or deny the petition. The Water & Sewer Department shall proceed forward with the design and construction of approved petitions.

Public Utility Easements The Improvements shall be constructed within the public right-of-way or dedicated public utility easements, which are typically located parallel and adjacent to the right-of-way. If requested by the Water and Sewer Department, Petitioners agree to grant public utility easements to the Warren County Board of Commissioners for the construction of the improvements. All cost associated with the preparation and recording of the easements shall borne by the Water and Sewer Department. Petitioners shall not be compensated for easements as each Petitioner stipulates that such improvement is being made at the Petitioners request and each irrevocably waives any claim for just compensation and damages to the residue for the grant of a public utility easement related hereto.

Level of Service The Petitioners acknowledge the Improvements shall be installed in accordance with Warren County's rural water standards, and that the level of service shall be limited to providing domestic water service only.

Disclosures and Assumption of Risks Each Petitioner acknowledges disclosure that the Improvements shall be insufficiently sized to provide fire protection and therefore will not include fire hydrants, and assumes all known and unknown risks relating to not having fire hydrants.

Customer Connection Fees and Charges Within 6 months after completion of the Improvements, the Petitioners agree to register an account with the Warren County Water Department and pay the following fees and charges:

Tap-In Fee	\$4,000
Project Cost	\$1,500
Meter Set Fee	\$ 200
Lateral Inspection Fee	<u>\$80</u>
TOTAL:	\$5,780

All Fees shall be collected prior to the start of water service. Fees shall not be eligible for assessment onto the County tax record.

Water Lateral Extensions Residents that connect to the County water system will be required to abandon their existing cisterns and wells and extend a private service lateral to the meter pit located at or near the right-of-way. The cost to abandon their existing cisterns and wells, and the lateral construction shall be performed and paid solely by the customer.

Existing Cisterns & Wells Cisterns and wells shall not be physically connected to the County's water system. Residents that connect to Warren County water shall obtain a plumbing permit from the Warren County Combined Health District. The Health District shall inspect the customer's plumbing to confirm that all cross connections to private water systems have been removed.

WHEREAS, we the undersigned Petitioners hereby request the construction of the rural water system Improvements to provide water service to the properties of the Petitioners; and do hereby request, consent, and agree, or state and represent, as follows:

1. That the Board of County Commissioners advance and finance the cost of the design and construction of the Improvements.
2. We, the petitioners, consent and agree that the construction of the Improvements will benefit the petitioner's land and request the establishment of a water improvement area which includes our land.
3. We, the petitioners, recognize that the cost of the constructed improvements will likely exceeds funds collected from the customer connection fees and charges described above and that the County is seeking commitments from petitioners to connect to the County's water system. We therefore agree that should the County proceed forward with the improvements, we the undersigned petitioners shall register an account, pay all fees and charges, and connect to the County Water System within six months of the project completion.
4. We, the petitioners, consent and agree that if and when service is commenced to our aforesaid land, the Board of County Commissioners shall be entitled to charge, and the owner or owners of said land shall pay service or user charges at such rates as then and thereafter shall be in effect and applicable.
5. We, the petitioners, state and represent that we accept and approve the aforementioned customer connection fees and charges which will be collected by the County as reimbursement for the design and construction of the Improvements and all legal, engineering and other costs associated with the construction of the improvements.
6. We, the petitioners, recognize and confirm that the aforementioned connection fees and charges shall also apply to all future customers that connect to the County's Improvements.
7. In addition to the connection fees and charges, each property owner shall be responsible for all costs associated with the construction of water service lateral from the structure to be served to meter pit provided at or near the right of way, and to abandon owner's cisterns and wells. The fee for the inspection of the water service lateral installed by each property owner shall be due when the connection is made.
8. We, the petitioners, consent and agree that the necessary easements shall be granted to permit construction of the Improvements subject to the terms stated above.
9. We, the petitioners, acknowledge the above disclosures and agree to the assumption of risks stated above.

10. The consents and agreements hereinabove contained shall be binding upon each of us and our respective legal representatives, heirs, devisees and assigns.

Name	Parcel Address	Email	Phone Number	Signature

FIGURE 15-1
Rural Water System – Hamilton Township Area

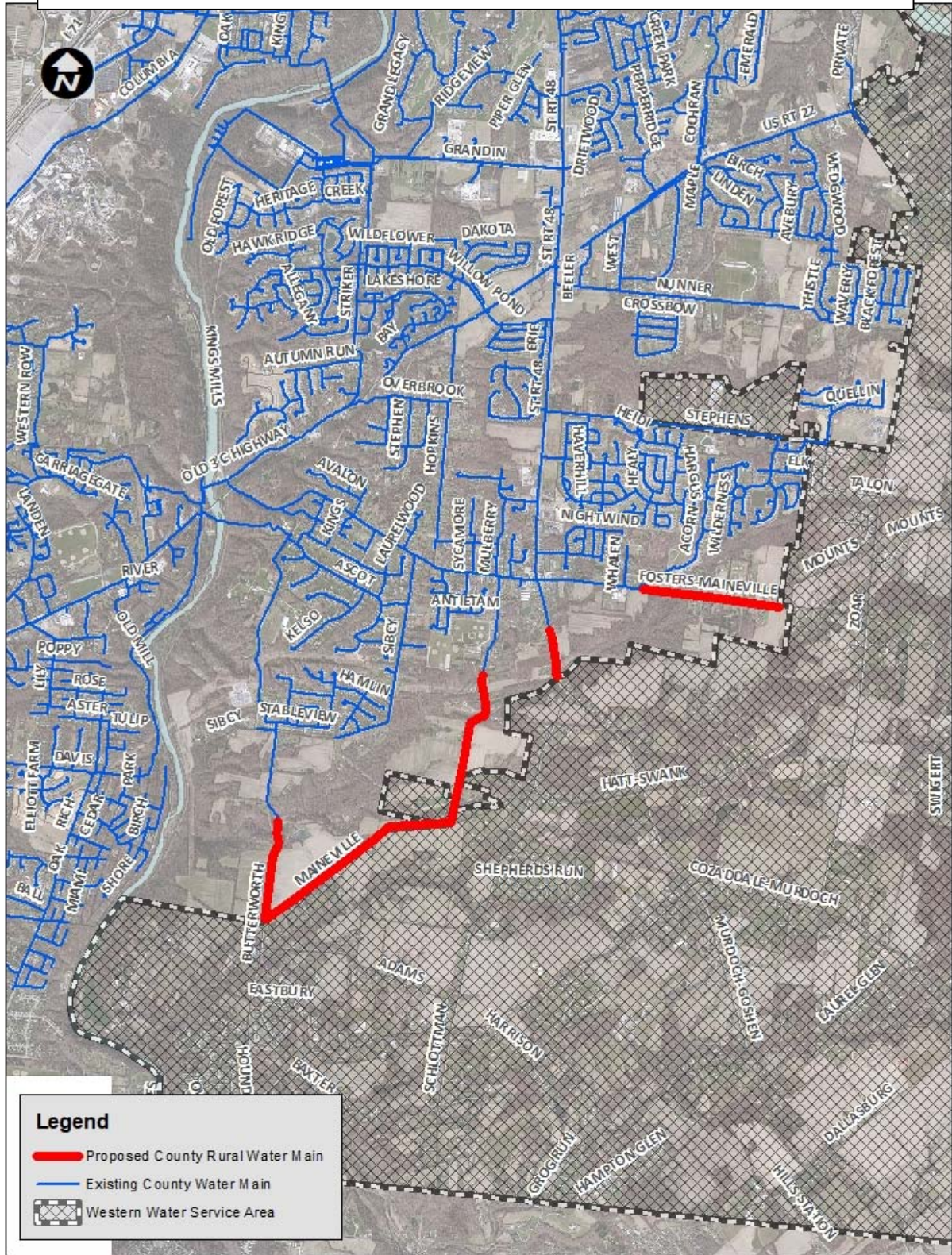


FIGURE 15-2
Rural Water System – Clearcreek & Wayne Township Area

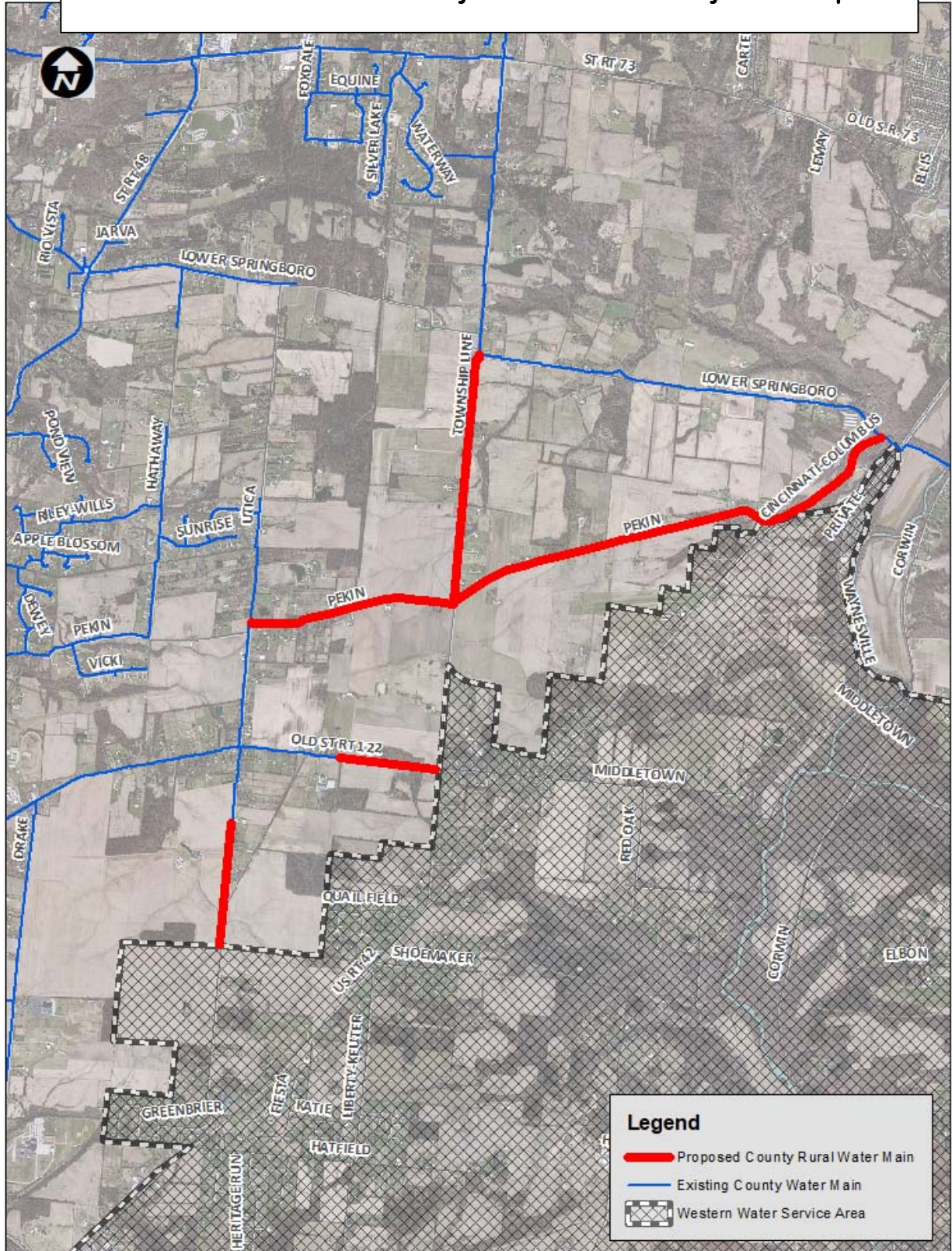


FIGURE 15-3
Rural Water System – Massie Township Area

