Sec. 3-4-1. Adoption of the Illinois Plumbing Code.

That certain documents three copies of which are on file in the office of the village clerk, being marked and designated as The Illinois Plumbing Code /2004 published by the State of Illinois be and are hereby provided; and each and all of the regulations, provisions, penalties, conditions and terms of said codes, are hereby referred to as adopted and made a part hereof as if fully set out in this article, and each and all regulations, provisions, penalties, conditions and terms of such code are hereby referred to, adopted and made part of this article as if fully set out in this article, with the additions, insertions, deletions and changes, if any, prescribed in section 3-4-2.

Sec. 3-4-2. Amendments to the Illinois Plumbing Code.

The following words, provisions, and paragraphs be added to the following designated sections of the code adopted in section 3-4-1. These provisions supersede the requirements of the indicated provisions of such code.

890.120 Add the following to Combined Building Sewer:
"Combined sewer is prohibited within the Village."

890.201 Add the following:
No plumbing shall be allowed in exterior walls or areas exposed to potential freezing temperatures.
Exception: Where PVC tub and/or shower traps are in the garage ceiling with at least a three inch (3") heat supply blowing on the trap.

890.210 c) Plastic Pipe Tubing and Fittings for Potable Water Piping is added:
"Plastic water supply lines are prohibited within the Village."

890.210 d) Piping installation:
"Threaded Joints." Used for connection of PVC or ABS-DWV pipe to other materials. When a threaded joint is required, do not thread the pipe, but use the proper PVC or ABS male or female threaded adapter. Threaded joints in a DWV system are used for trap connections and clean out plugs.
"Support for Plastic." Conventional clevis hangers, brackets or strapping having a bearing of one-inch (1") or more shall be used for pipe supports. Supports shall be designated for the particular, but in no case shall supports for horizontal runs of pipe one and one-half inch (1 1/2") or less in diameter be more than three feet (3’) on center. Supports for larger diameter should have a maximum of four-foot (4’) centers. Trap arms should be supported to maintain alignment. All supports should permit expansion and contraction of the pipe without binding.
"General." No plumbing shall be covered, buried or otherwise concealed until a plumbing inspection has been performed.
PVC and ABS can only be used with an approved threaded adapter.

890.210 e) "Water Distributing Pipe, Tubing and Fitting" is amended by adding: "All copper water pipe or tubing placed under the basement floor shall be Class K and all sizes two-inches (2") and smaller above the basement floor shall be Class L or M."

890.520 a) 10 Gas and oil interceptors shall be added as follows: "Commercial vehicle repair garages and gas stations with grease racks or pits, storage, enclosed parking garages, fire stations, emergency vehicle garages, and all facilities which generate oil and/or flammable waste shall be provided with floor drains or trench connected to an approved gas or oil interceptor. Residential garages with floor drains shall have a gas and oil interceptor."

890.201 Add new section:
No plumbing traps or water distribution pipe shall be allowed in exterior walls, garage walls, garage ceilings or areas subject to potential freezing temperatures. Exception: Where PVC tub or shower traps are in a garage ceiling with at least a three inch (3") heat supply blowing on the trap.

890.1190 b) Add the following sentences: "Valves shall be required on both inlet and outlet side of all meters. Said valves shall not be less than the size of the building water meter. The inlet side valve shall be a ball-type valve, either straight through or angled, equipped with padlock wing. Meter valves shall conform to American Water Works Association Standards for brass valves."

890.1190 h) Meter Valves Required:
Valves shall be required on both the inlet and outlet side of all water meters and valves shall not be less in size than the size of the Building Water Service. The inlet side valve shall be a ball-type valve, either straight through or angled, equipped with padlock wings. Meter valves shall conform to A.W.W.A. standards for brass valves. (ASTM B62-Index 115 85-5-5-5). Ford Cat. No. B21-233W or equivalent.

890.1190 l) Water Meter Installation Requirements:
All new construction serviced by the Village of Manhattan Water Utility shall install a water meter and associated equipment in accordance with Village of Manhattan Public Works requirements.

890.1200 a) Change the minimum single-family residence service size to one-inch (1") type K copper.

890.1320 q) All sanitary building sewer service laterals shall have a minimum of an eighteen-inch (18") fall from the lowest point of gravity service in the building to the invert of the sanitary sewer main. In the event an eighteen-inch (18") fall cannot be obtained, a pressure sewer system will be required.
Drain below foundation:
Wherever the point of influent disposal of sanitary waste such as, but not limited to floor drains, sink traps or commodes is located or proposed to be located below the top of foundation elevation, the waste disposal system shall include an ejection system and back-flow preventer. This system shall be as approved by the Village Building Official, and no fixture connection will be allowed directly into the discharge pipe coming from the ejector pump.
This subsection shall apply to all new construction building permits for which application is made after the effective date of this subsection.