

MARQUETTE TOWNSHIP PUBLIC WORKS DEPARTMENT
WASTEWATER CONSTRUCTION PERMIT

1. The construction of any sanitary sewer which is designed or intended to serve two or more separate buildings, dwellings or mobile homes by connection to the public wastewater system shall not be commenced by any person before filing with the Superintendent of Public Works, the plans and specifications therefore, and obtaining from the Superintendent of Public Works a valid permit for such.

Any person or the agent of any person applying for such a permit shall file with the Superintendent of Public Works an application giving:

- a. The name, address, and telephone number of each contractor who will be involved in constructing the improvement.
 - b. The correct names and address of all owners of land, and a legal description of the respective parcels, wherein the improvement is to be made.
 - c. Evidence that all permits have been issued that are required by law or contract to be obtained for construction of the improvement from other governmental agencies.
 - d. The plans, profiles, and specifications for the improvement.
 - e. The estimated cost of the work set forth in the plans as estimated by the engineer preparing for the plan.
 - f. A computation of the appropriate fees.
 - g. Any other information deemed necessary by the Superintendent of Public Works.
2. For Township approval of public sanitary wastewater systems the following documentation must be submitted for ultimate review by the Michigan Department of Environmental Quality for issuance of PA 451 Part 41 permit.
 - a. Attach a map of the general service area of the proposed wastewater systems, showing their relationship to the existing wastewater system to which the proposed wastewater systems will discharge.
 - b. Identify the service area of the proposed wastewater systems in terms of wastewater service area, future acreage of service area and year of future projection.
 - c. Identify the population density and total population to be tributary to the wastewater system for initial and future conditions.
 - d. Identify the per capita sewage flow contributions, average and maximum for initial and future conditions.
 - e. Describe commercial and industrial contributions, if known, or identify the flow volume allowance made for such future discharges. Include waste type, strength and volume (average and maximum conditions).
 - f. Identify the anticipated flow rate at each point of entry into the existing system.
 - g. Tabulate the size and grade of each segment of the proposed sewer.
 - h. Describe the steps to be taken with respect to collected wastewater in case of power failure or equipment breakdown within a receiving wastewater collection and/or treatment system. Include a description of alternate power sources and/or reserve units available for emergency treatment, storage, or transportation of the wastewater.
 - i. Describe the impact of the sanitary sewer construction on any flood plains.

3. All general plans for engineering improvements and all site plans shall be submitted on 24-inch by 36-inch white prints having blue or black lines, and shall be neatly and accurately prepared by a registered engineer and contain, at a minimum, the following information:
 - a. Title Block showing name and description of property; registered land surveyor or engineer drawn by: date; scale, etc.
 - b. North arrow.
 - c. Bench marks. (USGS Datum).
 - d. Engineer's stamp or seal.
 - e. Existing contour lines.
 - f. Proposed contour lines.
 - g. Offset elevations (100 feet on each side of parcel).
 - h. Existing utilities - proposed future utilities
 - i. Street names and R.O.W. width easements.
 - j. Easements.
 - k. Lot numbers and dimensions of acreage or track.
 - l. Stationing.
 - m. Names of adjacent plat or subdivisions.
 - n. Tie from nearest cross street of section corner.
 - o. Location of proposed building on property.
 - p. Sewer and water services (location, inverts, and size).
 - q. Location and elevations of ditches, culverts, and county drains.
 - r. Sewer location.
 - s. Sewer size (minimum 8-inch).
 - t. Depth of invert (preferred 10 feet).
 - u. Sewer slope.
 - v. Class and type of pipe for various depths.
 - w. Bedding (Class "B" minimum).
 - x. Compacting of trenches across roadways, driveways, sidewalks, and parking lots, (Class II granular backfill at 95% compaction).
 - y. Building service connections - location and type.
 - z. Manhole location and existing utilities on profile, crossing proposed sewer.
4. Submittal Requirements. The applicant shall submit five (5) sets of final plans and specifications. The Superintendent of Public Works will insure proper submittal to the Michigan Department of Natural Resources and Environment for their issuance of a construction permit.
5. Design Standards. Sanitary wastewater systems shall be designed according to Ten State Standards (contribution for laterals shall be 400 gallons per capital per day and for trunk lines 250 gallons per capita per day) and Marquette Township Utility Department standards.
6. Easements shall be prepared by the applicant and granted to the township where required. Minimum requirements are as follows:
 - a. All public utilities require easements.
 - b. Minimum width shall be twenty (20) feet.
 - c. Utilities in easements shall be at least two (2) feet from side or rear lot lines.
 - d. Developments traversed by a water course or containing a water area shall provide a storm

- drain easement or other means of access for public maintenance of flow.
- e. Public walkway easements, not less than ten (10) feet wide, shall be provided and constructed where requested.
 - f. Easement shall be prepared by a registered land surveyor or engineer and shall include both a metes and bounds description and a survey drawing.
7. Deeds conveying title to the completed and approved sanitary wastewater system, including all trunk lines, pump stations, manholes, equipment and appurtenances contained within the confines of the easement described in the preceding paragraph, but expressly excluding any lateral lines or other sewer lines which are to remain private, shall be prepared by the applicant and granted to the township where required. Minimum related requirements are as follows:
- a. Applicant shall provide at his or her expense a policy of title insurance or a current and complete abstract showing marketable title in the premises encompassed by the easement and containing the sanitary wastewater system being conveyed to the township.
 - b. Conveyance shall be by a duly executed warranty deed.
 - c. The deed shall be recorded at the Marquette County Register of Deeds office at the township's expense.
8. Three sets of blue line and one set of reproducible as-built plans shall be submitted upon completion of the development and be certified by a registered Engineer or Land Surveyor. In addition, a GIS layer shall be submitted on disk. Michigan State Plane coordinates shall be provided utilizing NAD 83/94 (HARN) survey datum. Units of measure shall be in feet.

CONSTRUCTION PERMIT FEE

A. Review Fee.

A fee equal to one percent (2%) of the estimated cost improvements as determined by the design engineer.

B. Inspection Fee.

\$0	-	\$2,500	\$150
\$2,500	-	\$7,500	8% but not less than \$300
\$7,500	-	\$15,000	6% but not less than \$600
\$15,000	-	\$30,000	4% but not less than \$900
Over		\$30,000	3% but not less than \$1,200