

March 12, 2010

**WATER SYSTEM/SEWER SYSTEM: A preliminary report for the use of the Planning Commission**

Three levels of attention.

- A. Maintenance and Repair
- B. Replacement
- C. Expansion
  - a. Of area served
  - b. Of capacity

Whereas recent repairs have disclosed that the present water system is not bedded in accordance with engineering specifications requiring gravel both under and over the water lines.

Whereas improper bedding of pipe has resulted in ruptures requiring expensive repairs and interruption of service.

Whereas many areas of the sanitary system are served by substandard pipe and material ,

Whereas there already exist a body of users who make financial payments for water use and who pay taxes to the township.

Whereas many have come to depend on the water and sewage systems as they exist

Whereas the system as it exists at present is leaking as much as 40% of it's capacity

Whereas leakage increases demand without providing proportionate increase in service, operating expense is increasing daily while physical condition of the system declines.

Whereas increased demand on the system and its mechanical components contributes to breakdown and malfunction of equipment.

Whereas the sewer system is subject to freezing in its present condition

Whereas some customers are experiencing failure in the system negatively affecting their business

Whereas there is a contractual responsibility for the township to provide water and sewage services to the paying customers of its two systems.

Whereas the fire safety of both Republics requires both a dependable water system and a reliable water supply with an assured volume and pressure.

Whereas promotion and development of new business requires reliable infrastructure in place

Therefore, be it resolved that:

1. Replacement, repair, and improvement of the Republic Township Water and Sewer System be placed at the top of the Township's priority list as number one in its capital funds budget.
2. Grant money and millage be sought with urgency to meet these needs.

**Additional Rational**

1. The township cannot function without a water system or a sewer system
2. Population and economic growth cannot occur without both of these systems
3. Fire safety is a high priority concern
4. The cost is high

Plans already in place call for a new water tank and the installation of a new 8 inch supply line and also a local remedy for the sewer line problem in South Republic. At present, there is a delay in this project caused by the inability of the township to find a valid deed for the property. This new project is an essential first step in solving the water supply problem.

The second major step is to install a second supply line so that the interruption of service in one line will not result in a complete loss of water supply to the community of South Republic. Similar redundancy needs to be installed for Republic.

It will be important that the water and sewer projects be completed prior to new road resurfacing and construction to insure that new road will not be dug up to install water and sewer.

**Priority of Capital Expenditures as follows:**

1. Replace existing water system
2. Repair or replace existing sewer system
3. Provide expansion and improved capacity to areas zoned Business and Business Light Industrial .
4. Upgrade capacity of both sewer and water systems

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