

**WARREN TOWNSHIP SEWERAGE AUTHORITY**

**RESOLUTION NO. 11 - 27**

**RESOLUTION GRANTING CONCEPTUAL APPROVAL OF THE APPLICATION OF THE PINGRY SCHOOL FOR A PLAN ADDRESSING THE RATE OF SANITARY SEWAGE FLOW DISCHARGED FROM THE PINGRY SCHOOL LOCATED ON BLOCK 190, LOTS 12, 26 & 27 TO THE AUTHORITY'S MIDDLEBROOK SEWER SERVICE AREA**

**WHEREAS**, the applicant, The Pingry School, has applied to the Authority for conceptual approval for a plan addressing the rate of sanitary sewage flow discharged from The Pingry School, located on Block 190, Lots 12, 26 and 27, to the Authority's Middlebrook sewer service area; and

**WHEREAS**, the Authority's Engineers have previously determined that the flow capacity from the applicant's existing pumping facilities must be limited to 69 gallons per minute (gpm) in order to avoid surcharging in the Authority's system. In order to comply with this requirement, the applicant proposes to redirect the discharge from the existing wet well and pumps to two (2) 1,000 gallon flow equalization chambers and the installation of a new 3-inch pressure sewer (i.e. a sewer under surcharged gravity flow conditions) from the equalization chambers to the existing connection point to the Authority's sewer system at a manhole located within Martinsville Road. The majority of the new 3-inch sewer would be slip-lined within the existing 6-inch force main to the Martinsville Road manhole; and

**WHEREAS**, the proposed system relies on gravity and the resulting flow rates will depend on several factors, as set forth herein. It is expected that the plan will significantly reduce the flow rate relative to the existing pumped flow capacity of over 200 gpm and the resulting maximum flow capacity is expected to be approximately 60 to 80 gpm. The applicant will be responsible for ensuring that flow does not, in fact, exceed 69 gpm; and

**WHEREAS**, the Authority's Engineer has prepared hydraulic calculations for the proposed plan which are generally consistent with the figures presented by the applicant's engineer. However, the Authority's Engineer has noted several discrepancies and sensitivity to certain variables in the hydraulic calculations for the proposed plan, which comments are set forth in the Authority's Engineer's memorandum of January 6, 2011; and

**WHEREAS**, by memorandum dated January 6, 2011, the Authority's Engineer has indicated that he has reviewed the letter dated December 1, 2010 from Fred Yoerg and Associates, PC and the accompanying drawings entitled "The Pingry School Sanitary Sewer Flow Equalization Plan," and agrees that the theoretically computed flow rate will be substantially reduced to a range of approximately 60 to 80 gpm. Thus, the Authority's Engineer recommends that the Authority grant Conceptual Approval for the proposed method of reducing the maximum discharge rate of sewage to the Authority's system. However, the Authority's Engineer further noted that gravity flow of sewage through a 3"

diameter pipeline, as set forth in the proposed plan, raises some concerns that the proposed system may be prone to clogging or fouling. Potential clogging of this pipeline, while reducing flow to the Authority, could have serious ramifications if steps to address such conditions are not implemented, and therefore, the Authority's Engineer recommends that any application for formal approval address the items set forth herein.

**NOW, THEREFORE, BE IT RESOLVED** by the Warren Township Sewerage Authority, County of Somerset, State of New Jersey, that the Authority hereby grants Conceptual Plan Approval to The Pingry School for the proposed method of reducing the maximum discharge rate of sewage to the Authority's system. The items that must be addressed before the applicant may receive any formal approval include, but are not limited to, the following:

1. The applicant must demonstrate how it will restrict the reduced flow rate to 69 gpm as may be necessary due to actual operational conditions. A condition of any formal approval granted in connection with this proposed plan will be that the applicant must restrict the actual rate of flow to at or below 69 gpm.

2. The applicant must confirm that the Authority will have no responsibility regarding any operational or maintenance issues that may be associated with the proposed system.

3. The applicant must clarify how the location of Sanitary MH #3, as shown on Sheet 2, relates to the Authority's sewer line shown in Martinsville Road and to the metering manhole designated as MH #1 in the applicant's metering study, dated January 30, 2009.

4. The applicant must identify what permits are required from NJDEP and from the Bernards Township Board of Health.

**BE IT FURTHER RESOLVED** that, although the drawings show two (2) proposed 2-inch lines entering the valve chambers and discharging future flow into the tanks, the Conceptual Approval granted herein does not constitute approval of any additional flow from the property. Approval of any additional flow from this property will require a separate application to and approval from the Authority.

**BE IT FURTHER RESOLVED** that the Conceptual Approval granted herein applies only as the proposed plan relates to limiting the flow capacity from the property to the Authority's system, and does not constitute an approval of any other aspect of the proposed plan over which the Authority has jurisdiction.

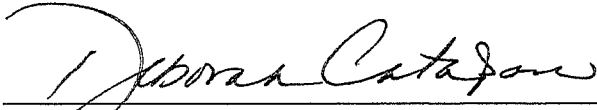
Moved by Mrs. Garafola  
Seconded by Mr. Vetter

Roll Call Vote	Yes	No
Mr. Reeder	x _____	_____

Mr. Florey	_____	_____
Ms. Garafola	x _____	_____
Mr. Truglio	_____	_____
Mr. Vetter (Alternate #1)	x _____	_____
Mr. Kaufman (Alternate #2)	x _____	_____

**CERTIFICATION**

I, Deborah Catapano, Secretary of the Warren Township Sewerage Authority in the County of Somerset, New Jersey, do hereby certify that the above resolution is a true and correct copy of a resolution adopted at a meeting of the Warren Township Sewerage Authority on February 16, 2011.

  
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 Deborah Catapano, Authority Secretary