

WARREN TOWNSHIP SEWERAGE AUTHORITY

RESOLUTION NO. 13-98

RESOLUTION MEMORIALIZING PRELIMINARY APPROVAL FOR THE TEDESCO, LUTZ, FERREIRA AND LEE APPLICATION FOR THE CONSTRUCTION OF PROPOSED LOW PRESSURE SANITARY SEWER FORCE MAIN AND SIX (6) ASSOCIATED EDUS TO SERVICE BLOCK 36, LOTS 1.13, 1.15, AND 1.17 AND BLOCK 10, LOT 6, 7.04, AND 8 IN THE STAGE IV SERVICE AREA

WHEREAS, by way of application dated June 6, 2013, Page Engineering Consultants, P.C., on behalf of applicants Tedesco, Lutz, Ferreira and Lee (collectively, “the Applicant”), proposed a low pressure sanitary sewer force main system to service properties located on Dead River Road, including Block 36, Lots 1.13, 1.15, and 1.17 and Block 10, Lot 6, 7.04, and 8 on the Warren Township Tax Map, to include proposed connection of six (6) EDUs in the Stage IV Service area by means of individual E-One pump stations and a common low-pressure force main; and

WHEREAS, PS&S, the Authority’s Engineer, by memorandum dated August 16, 2013, has reviewed the application, which included: Page Engineering Consultants, P.C., Sheets 1 through 3, dated June 6, 2013, last revised August 15, 2013; Page Engineering Consultants, P.C. letter dated August 1, 2013; Water Resource Technologies E-One Preliminary Pressure Sewer-Pipe Sizing and Branch Analysis dated August 15, 2013 (“E-One Reports”); and an email from Connor Alexander of Water Resource Technologies to Cathy Mueller of Page Engineering, dated August 15, 2013; and

WHEREAS, the proposed project contemplates the construction of a 1,138 LF low pressure 2 inch SDR-11 HDPE force main, to be owned and operated by the Authority, along the Right of Way (“ROW”) of Dead River Road and Broken Arrow Road, with distance ranging from approximately 2 to 6 feet off the edge of pavement to jog around obstructions such as trees, and ultimately connecting into the existing terminal manhole in Broken Arrow Road; and

WHEREAS, the Applicant’s engineer has indicated that the selected route will minimize tree removal, that trees will be replaced in accordance with the Township Ordinance, and the applicant is required to formally notify and consult with adjacent property owners regarding anticipated tree removal; and

WHEREAS, while the location of a sewer line in the ROW is generally less desirable to the Authority than location within the roadway, due to the circumstances of this application, including but not limited to the small diameter of the proposed common force main, the significantly higher costs associated with construction within the roadway, the amenability of the force main to flexible installation within the ROW, the Authority’s Engineer has recommended acceptance of the line within the roadway ROW; and

WHEREAS, the project and application includes E-One pump stations and associated 1-1/4 inch SDR-11 HDPE force main laterals for six (6) properties, Block 36, Lots 1.13, 1.15 and 1.17; Block 10, Lots 6, 7.04 and 8; and

WHEREAS, Block 10, Lot 6 received prior approval from the Authority by way of Resolution 12-135 and as amended by Resolution 12-150, for an individual pumped connection to the terminal manhole in Broken Arrow Road, conditioned upon abandonment of that force main should an approved common force main come into existence, and, as that property is now included in this application, that prior approval would be superseded by this proposed common force main proposal once constructed; and

WHEREAS, the Authority Rules and Regulations Article 8.3 considers individual sewer pumps to be contrary to sound policy, unless the applicant demonstrates that a gravity connection is not feasible. In the case of the subject parcels, based on available topographic mapping and the locations of the Authority's existing sewers, the Authority is satisfied that the applicant has demonstrated that there is no feasible gravity outlet; and

WHEREAS, the project proposes 1-1/4 inch tee connections with corporation stops and stubs for six (6) additional properties, Block 10, Lots 7, 7.02, 7.03, and 9 and Block 36, Lots 1.14 and 1.16, which are owned by non-participants in the project with homes not currently connected to the Authority's system, all which appear to be within 200 feet of the proposed common force main; and

WHEREAS, the Authority Rules and Regulations Article 7.2 requires construction of sewer stubs for any property which will be required by the Township Board of Health to connect to the sewer system following completion of the line, or if the Authority otherwise determines that construction of such stubs should be required, unless the applicant demonstrates good cause as to why stubs should not be constructed for such properties; and

WHEREAS, the application had initially requested a waiver so as not to be required to construct stubs for the non-participant properties, but at the Authority's August 21, 2013, hearing agreed to provide tee connections with corporation stops and stubs for such properties on the same side of the roadway as the properties are located; and

WHEREAS, the Authority Rules and Regulations Article 7.2 provides for reimbursement for such stub construction cost in the amount of \$5,000 per stub, payment for which shall be authorized on or before ninety days after submission of an application for reimbursement by the applicant, which application shall be submitted after final approval of the sewer system; and

WHEREAS, the E-One Reports confirm that even if only a small number of homes initially connect to the common low pressure force main, the use of progressing cavity pumps will allow the system to satisfactorily function by maintaining a constant discharge, increasing the flow velocity, and scouring the pipe clean of accumulated solids; and

WHEREAS, each participant homeowner will be responsible to construct his or her own connection consisting of an E-One packaged pump station, 1 1/4-inch force main and check

valve assembly, as shown in detail on the applicant's drawings, which include the Authority's recommended construction details for low pressure sewer systems; and

WHEREAS, the Authority's Engineer, based upon the submittals made by the Applicant including the E-One Reports, recommended that the Authority provide preliminary approval and endorsement for the construction of a 1,138 LF low pressure force main along Dead River Road and Broken Arrow Road with 1-1/4 inch SDR-11 HDPE force main connections for the six participant properties (Block 36, Lots 1.13, 1.15 and 1.17; Block 10, Lots 6, 7.04 and 8) and valved and capped lateral connection stubs for future connection of the six non-participant properties (Block 10, Lots 7, 7.02, 7.03, and 9; and Block 36, Lots 1.14 and 1.16), with certain conditions; and

WHEREAS, the Authority granted such preliminary approval at the August 21, 2013 meeting, and now seeks to memorialize such decision.

NOW, THEREFORE, BE IT RESOLVED, by the Warren Township Sewerage Authority in the County of Somerset, New Jersey hereby memorializes the grant of preliminary approval and endorsement for the construction of a 1,138 LF low pressure force main in the right of way along Dead River Road and Broken Arrow Road, ultimately connecting to the existing manhole in Broken Arrow Road, with 1-1/4 inch SDR-11 HDPE force main connections for the six participant properties (Block 36, Lots 1.13, 1.15 and 1.17; Block 10, Lots 6, 7.04 and 8), with one (1) EDU of capacity for each property for a total of six (6) EDUs of capacity, and valved and capped lateral connection stubs for future connection of the six non-participant properties (Block 10, Lots 7, 7.02, 7.03, and 9; and Block 36, Lots 1.14 and 1.16), with certain conditions as follows:

1. The applicant's engineer shall revise the design documents to indicate 1-1/4 inch laterals and stubs with valves and caps to the property line for both participant and non-participant properties with dwellings within 200 feet of the common force main. Accessible corporation stop/isolation valves shall be provided at the lateral connection and accessible isolation valve with cap shall be provided at the property line for the above identified non-participant properties. Laterals across Dead River Road shall not be pressurized until connection is made by the property owners.
2. The applicant shall comply with all of the Authority's Rules and Regulations, and the payment of all fees, including the payment to the Authority of the then applicable connection fees.
3. It shall be the applicant's responsibility to obtain the NJDEP TWA Permit required for the construction of the force main and twelve anticipated future connections.
4. The Applicant must make application to and obtain road opening permits from Warren Township as required for all work within Dead River Road and Broken Arrow Road and the ROWs.
5. Each applicant shall properly abandon existing septic systems once connection to the Authority's sewer system has been made.

6. If applicable, the applicant, prior to any excavation, must provide written notice to the Somerset-Union Soil Conservation District.

7. The Applicant shall complete all site restoration work associated with the construction of the sanitary sewer to the satisfaction of the Authority and the Township.

8. The Applicant shall not commence any construction requiring engineering inspection until it has provided proof to the Authority that the applicant has notified the "One-Call Damage Prevention System" pursuant to the Underground Facility Protection Act, N.J.S.A. 48:2-73, et seq., which proof shall be provided by supplying the Authority with the confirmation number assigned to the notice of intent pursuant to said Act.

9. Each non-participant property owner will be required to submit an application to the Authority at the time they wish to connect which must include details and other documents specifying the model pump station, the force main pipe material and valving details which are to be installed. Proposed pumping systems must be in accordance with the Authority's Rules and Regulations and operate within the allowable parameters of the common force main system.

10. Each homeowner connecting to the common force main must enter into an agreement covering his or her ownership, maintenance and responsibility for the private pump station and force main lateral, in accordance with the Authority's Rules and Regulations Article 8.3(j). Such agreement shall be in a form provided by the Authority's attorney, and shall be filed and recorded with the County of Somerset.

11. All new sanitary conveyance facilities construction on the individual parcels is under the jurisdiction of the Local Plumbing Sub-Code Official. The installation of the 1,138 LF common force main and connection stubs within the roadway ROW's is under the jurisdiction of the Authority and must be inspected by a representative of the Authority. In accordance with Section 3.15 of the Authority's Rules and Regulations, the applicant must pay an escrow amount to cover the cost of this inspection. Based on input from the Authority's Engineer and consultation with the Authority's Attorney, the amount of the escrow shall be \$15,000.

12. Upon completion of the construction of the common force main, the applicant shall apply for and obtain final approval before any connections are made and the common force main is activated.

Moved by Mr. Checchio
Seconded by Mrs. Garafola

Roll Call Vote	Yes	No
Chairman Reeder	x_____	_____
Mr. Truglio	_____	_____
Ms. Garafola	x_____	_____
Mr. Mosquera	_____	_____
Mr. Vetter	_____	_____
Mr. Checchio (Alt 1)	x_____	_____
Mr. Paoella (Alt 2)	_____	_____

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 September 18, 2013.



Deborah Catapano, Authority Secretary