



## Cleaner Water Money

SWSC had been awarded a “Cleaner Water Grant” of \$730,000. That grant money will be split equally into three projects that will move us into the future.

# The Flow

PRODUCED & PUBLISHED BY:

Springfield Water &  
Sewer Commission

Volume 2, Issue 2

February 2023



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### Water Meters

The current system uses meters that send a signal that is picked up as the meter reader slowly drives by with a computer in the truck. This system and technology has become old. We are currently manually reading 500+ meters per month because they have ceased sending a signal. The initial phase of meter swap-out will begin in the next couple of months with the installation of 500 +/- new meters or sending units within the City limits. These meters will send a signal to a fixed base antenna, on a water tower, and that signal will be immediately sent to the office and into the billing system. Driving by the meter will no longer be necessary. Future meter installs will include this type of meter or cellular meters ending the necessity to drive by. This entire changing of meters will take a few years to accomplish.



### Pump Station Assessment and Preliminary Design

SWSC maintains 10 Sewer Pump “Lift” stations in its system. These stations sit at low elevations in the system and pump (lift) it to higher flow locations and then sewage is conveyed to the plant by gravity flow. The oldest of these stations, built in 1969 on Rizer Avenue, was recently replaced. The remaining 9 are all between 10 and 20 years old and some may be pushing capacity based on location and growth in any area. All pump stations will be assessed for capacity, efficiency and life expectancy and future rehabilitation or replacement will be addressed accordingly.



### Water Main Assessment and Preliminary Design

Many water mains in the city limits are more than 50 years old. The old clay and cast iron piping has reached the end of its useful life and much of it will need replacing over the next decade. Lines in the city limits, that are not PVC, will be assessed as to their current quality, condition, size, location, and other factors to determine its need for replacement.



## Projects Completed or Let:

### **Danville Interconnect**

The Danville Interconnect Project was bid on January 11, 2023 and has yet to be awarded and is awaiting funding approval. The project value is \$4,250,000 +/- . This project will permanently connect the City of Danville's water to SWSC along US 150 near the county line. SWSC will then contractually purchase water from Danville to feed into our system. This connection lessens the burden of capacity and withdrawal limits at Wilisburg Lake and permitted treatment limits at the Water Treatment Plant.

### **KY 55 Waterline Relocation**

McCain Brothers Contracting, LLC recently completed the relocation of 2 waterlines on Ky 55 (Bloomfield Road) in advance of a future safety improvement project by the Kentucky Transportation Cabinet. The contract value was \$141,934.93 and was reimbursed by the KYTC.

### **Water Tower / Tank Painting**

C&S Services of Lawrenceburg, KY has been awarded a project to paint the Willisburg, Old Etown Road and Wesley Chapel water towers. The contract value is \$354,980 and is planned to be complete by the end of 2023.

### **Splash Pad Sewer**

M&J Construction Company has been awarded a project to construct a sewer main from the future Splash Pad to be built at Idle Hour Park. The contract value is \$29,041 and is planned to be completed by April 30, 2023.

## Future Projects

### **Armory Hill Bridge**

The Kentucky Transportation Cabinet 2023 projects includes the Armory Hill Bridge Replacement and it is currently schedule to bid in August. Prior to that, the SWSC will relocate the existing waterline that is in the way of bridge construction. The design of that project is underway and construction will follow sometime this summer and is estimated to cost \$125,000 and will be reimbursed by the KYTC.

### **KY 555 Raw Water Relocation**

The Kentucky Transportation Cabinet recently let and not yet awarded, a Design-Build project to rehabilitate KY 555 from US 150, in town, for 8+ miles to Route 53 near Willisburg. This road project MAY require portions of our 16" raw water line to be relocated out of the way of future road widening. Since the KYTC project is Design-Build, it is too early to even know what relocations may be needed. If needed, these costs will be reimbursed by the KYTC.

### **US 150 Waterline Relocation**

The Kentucky Transportation Cabinet is currently working toward reconstruction of US 150 toward Bardstown. This work will require extensive relocations of our existing lines that parallel the current US 150 route. It is most likely that construction of that waterline relocation will be performed by and with the road construction as part of road contract.

### **City Barn Sewer Pump Station**

The SWSC has been awarded a Federal Grant of \$1,399,000.00 for the replacement of the City Barn Sewer Pump Station. This grant was submitted and approved through Congressman Brett Guthrie's office. Assessment and Preliminary design will begin soon, and work should begin in 1 to 2 years.