

# **Rivanna Water & Sewer Authority Meadow Creek Interceptor Upgrade Project FACT SHEET – UPDATED OCTOBER 2008**

## ***What is the Meadow Creek Interceptor?***

- The existing Meadow Creek Interceptor is approximately 22,800 linear feet of pipe located and was built in the 1950s by the City of Charlottesville to transport from wastewater from sewer lines serving land within the Meadow Creek watershed to the old Meadow Creek Wastewater Treatment Plant located near Pen Park Lane.
- The City of Charlottesville conveyed the Meadow Creek Interceptor to the Rivanna Water & Sewer Authority (RWSA) in 1973 when RWSA was created through a four-party agreement. Later when the construction of the Rivanna Interceptor was completed by RWSA, the Meadow Creek Interceptor was connected to the new Rivanna Interceptor to transport flows to the expanded Moores Creek Wastewater Treatment Plant. The City's Meadow Creek Interceptor was then decommissioned. Today the Meadow Creek Interceptor transports an average of approximately 4-5 million gallons per day of wastewater.
- The existing Interceptor Sewer Pipe – 21” to 36” diameter of clay pipe, clay tile lined concrete pipe and ductile iron pipe stream crossings.

## ***Why is the Meadow Creek Interceptor being replaced?***

- The Meadow Creek Interceptor has reached its useful life. There have been numerous repairs in the past 5 years due to dilapidating infrastructure and the effects of stream migration and wet weather flow. The new sewer interceptor will provide the restoration of appropriate sewer pipeline conditions, and will be designed to meet the sewer capacity needs of the community for the future while also providing reasonable peaking allowances for wet weather. The City of Charlottesville and the Albemarle County Service Authority are also working cooperatively with RWSA to reduce sources of wet weather flow in the collection system pipes contributing to the Interceptor.

### ***What will the new Meadow Creek Interceptor look like?***

- **Future Sewer Pipe – 24” to 42” diameter**
- **Approximately 70% of new sewer pipe will be replaced in the same location where the existing pipe is now located.**
- **Most of the new pipe will be buried, but in a limited number of areas, such as stream crossings, the pipe may be above ground on piers. There are a few underground road crossings and one location where the new pipe will be bored under the Norfolk Southern railroad track.**
- **Easements for be acquired for access, inspection, operation and maintenance, and future repairs of the sewer. RWSA is very interested in working with property owners to make this process as easy as possible while allowing for RWSA to property maintain the future pipe and protect the environment.**

### ***How has the project been designed?***

- **There has been extensive coordination during design with VDOT, U.S. Army Corps of Engineers, National Wetlands Inventory, Nature Conservancy, Rivanna Trails Foundation, Resource Conservation Service, Threatened and Endangered Species Database, and Virginia Department of Historic Resource Database, City Parks Department**
- **Several permits have been obtained or are in process to include: VDOT, Norfolk Southern Permit, Virginia Marine Resources Commission, Army Corps of Engineers, DEQ, Erosion and Sediment Control Permits, and coordination with City and County.**
- **Easement Acquisition: Approximately 69 easements are needed.**

### ***What is the project schedule?***

- **RWSA is presently completing tours with neighborhood groups, and will then assess all public comments from the September 24 Open House and meetings with the neighborhoods. RWSA is also completing further reviews through its design consultant with prospective contractors. A more specific schedule will be published following the completion of discussions with neighborhood groups. Given that the project is above all else to improve the environmental protection of our valued streams, it is hoped that construction will begin by the spring or 2009 and be completed by the summer of 2010. Construction will be built in sequence so that its presence in specific locations will be much shorter than the span of the entire construction period.**