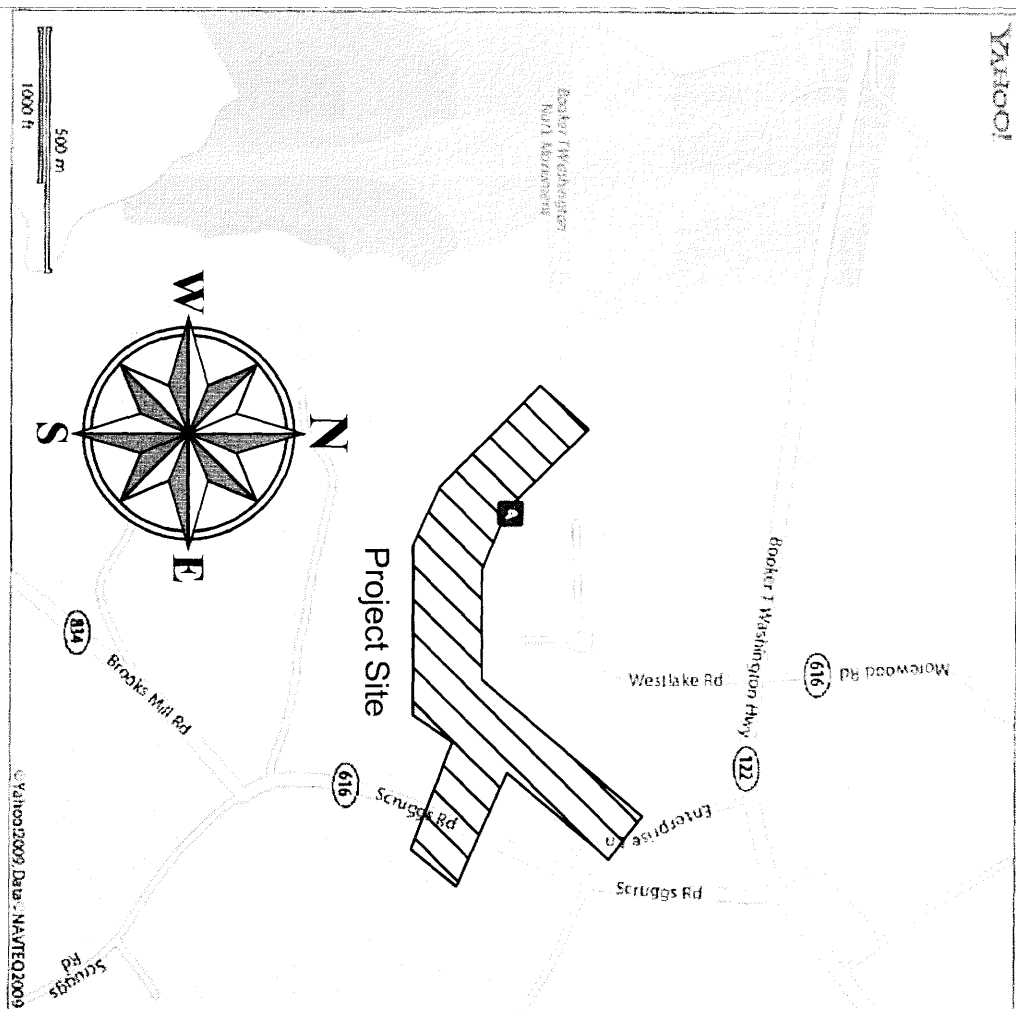


# WESTLAKE SEWER EXTENSION

## Site Map



## Contact Information

1. WESTERN VIRGINIA WATER AUTHORITY  
c/o Greg Reed, P.E.  
601 South Jefferson Street, Suite 300  
Roanoke, Virginia 24011  
Phone (540) 853-5468
2. FRANKLIN COUNTY PLANNING DEPARTMENT  
120 Court Street  
Roanoke, Virginia 24151  
Phone (540) 483-3027

## INDEX OF SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
		BUILDING WITH FLOOR OR STOOP
		FOUNDATION ONLY
		CONTOUR, CONTOUR WITH ELEVATION
		SPOT ELEVATION
		CONCRETE CULVERT
		CONCRETE CULVERT & GUTTER
		CONCRETE WALK OR SIDEWALK
		PAVEMENT
		UNIMPROVED OR GRAVEL ROAD
		TREE LINE
		TREE OR SHRUB
		FENCE (EXISTING OR PROPOSED NOTED)
		PROPERTY LINE
		CENTERLINE OR BASELINE
		FIELD SURVEY TRAVERSE POINT
		GEODETIC REFERENCE POINT
		BENCH MARK (EXISTING OR SET NOTED)
		STORAGE DRAIN
		SANITARY STAIR
		GAS MAIN OR SERVICE LINE
		WATER MAIN OR SERVICE LINE
		OVERHEAD ELECTRICAL LINE
		UNDERGROUND ELECTRICAL LINE
		FIRE FITTINGS
		FIRE HYDRANT
		GAS VALVE
		MANHOLE
		DROP INLET (CURB AND GRATING TYPES)
		CULVERT
		CULVERT WITH HATCHED END SECTION
		AIR RELEASE VALVE
		AIR RELEASE VALVE ASSEMBLY
		BLOW OFF VALVE
		BLOW OFF VALVE ASSEMBLY
		SITE ELEVATION
		CONCRETE ENCASEMENT
		MANHOLE OR ENDORSEMENT
		LIMITS OF EXISTING DATA
		WATER MAIN PIPE

## General Notes

1. All construction methods and materials shall conform to the latest edition of the design and construction standards and specifications of the Western Virginia Water Authority (Authority) available at [www.westernwater.org](http://www.westernwater.org) or by contacting the Authority at 540-853-5700. The project shall also comply with the governing jurisdiction's standards and other agency standards (e.g., VDOT, JDEP, JCK, VDOT, etc.) where applicable.
2. Contractor shall install new water services including the meter and vent. The Authority will install all new water meters and remove all existing installations directly with the Authority. Contractor shall provide at least three (3) business days advance notice to the Authority prior to making meter installations. Contractor shall sequence construction activity to provide a series of at least ten (10) services that are ready to receive new meters before contacting the Authority for meter replacement.
3. All connections to existing waterlines shall be performed by the Authority. The contractor shall provide full stainless steel tapping sleeves (and valves). The contractor shall excavate to the existing waterline, shore the trench per OSHA requirements, clean the existing waterline, and install the tapping sleeve and valve prior to the Authority performing the tap. The contractor shall notify the Authority's Utility Line Services Division at 540-853-2792 at least seven (7) hours prior to requiring the connection.
4. All connections to existing sanitary sewers shall be performed by the Authority. The contractor shall excavate to the existing sewerline, shore the trench per OSHA requirements, and clean the existing sewerline prior to the Authority performing the tap. The contractor shall notify the Authority's Utility Line Services Division at 540-853-2792 at least seven (7) hours prior to requiring the connection.
5. The contractor shall provide full stainless steel tapping sleeves (and valves). The contractor shall excavate to the existing sewerline, shore the trench per OSHA requirements, clean the existing sewerline, and install the tapping sleeve and valve prior to the Authority performing the tap. The contractor shall notify the Authority's Utility Line Services Division at 540-853-2792 at least seven (7) hours prior to requiring the connection.
6. Prior to construction in the right-of-way, all applicable permit(s) from the governing jurisdiction and/or agency must be obtained and a copy kept on the project site.
7. For projects requiring traffic control in the City of Roanoke, notify Manager of Transportation, Mark Jamison, at 540-853-5471 at least two weeks in advance of requiring traffic control. For a lane closure permit in the City of Roanoke, contact the Traffic Engineer, Gary Bowman, at 540-853-5834. Traffic control shall be provided in accordance with the most recent MUTCD Manual and the VDOT Work Area Protection Manual unless otherwise specified by the city.
8. The contractor shall notify the Authority's Engineering Coordinator, Chuck Clark, at 540-537-3243 at least three (3) days prior to construction.
9. The contractor shall provide a valid Miss Utility ticket prior to excavation. Contact Miss Utility at 1-800-552-7001.
10. All existing utilities may not be shown or may not be shown in their exact location. The contractor shall locate all utilities and determine all inverts prior to construction to allow for adjustments due to conflicts with other utilities. The contractor shall comply with the Virginia State Water Works Regulations, Section 12.05.03, and the Virginia State Sewage Collection and Treatment Regulations where lines cross.
11. An approved set of plans and permits must be available at the construction site at all times.
12. Prior to commencing work, the contractor's certified Responsible Land Distributor shall obtain an Erosion and Sediment Control Permit for the project from the local governing jurisdiction and JCK (if required). All erosion and sediment control measures must be in accordance with the latest edition of the Virginia Erosion and Sediment Control Handbook, latest edition and shall be installed prior to construction.
13. The contractor shall provide adequate means of clearing all vehicles and equipment prior to starting public works. It is the contractor's responsibility to field changes shall be approved by the Authority's Engineering Division and the City of Roanoke's Department of Planning, Building and Development prior to such construction.
14. The contractor shall make provisions to provide access to all properties during construction and shall maintain safe accessibility to the hydrants at all times.
15. The contractor shall be responsible for locating and uncovering all manholes after paving. Manhole rims shall be installed to grade and flush with the final pavement.
16. Unimproved roadways opened to traffic shall have, at a minimum, compacted aggregate material VDOT 214 or 21b flush with the adjacent roadway surface and shall be inspected and repaired on a daily basis. Some areas will require a temporary patch until final paving can be completed.
17. The contractor shall not excavate more trench length than can be restored within the same work day. All trenches shall be backfilled or placed at the field changes shall be approved by the Authority with correct as-built plans before substantial completion will be granted.
18. The disturbed area is 0.19 acres for this project.

### Utility Installation Notes

1. Installation of sewer utilities shall be in strict conformance with current WVA Standards and Specifications. The contractor shall be responsible for providing a copy of the most recently adopted standards and specifications and WVA Standard Specifications at the job site at all times.
2. All Erosion and Sediment Control Measures shall adhere to the minimum standards as set forth by Franklin County and the State of Virginia. Refer to the Virginia Erosion Control Handbook, latest edition.
3. A material staging and equipment storage area shall be maintained at a location to be determined by the contractor. Procurement and payment for the staging area shall be the contractor's responsibility.
4. Refer to WVA General Conditions and Standard Specifications.
5. Refer to WVA Profile sheets on C3.1 through C3.7.
6. The contractor shall ensure a safe and orderly project site. Barricades, safety fencing, signage, and security personnel shall be employed at all times to prevent unauthorized access to the work.
7. The contractor shall be responsible for locating and determining the exact horizontal and vertical location of all underground utilities as affected by WVA and ACS DESIGN shall provide suggested alternate utility installation in the event of a conflict.
8. All existing physical improvements such as manholes, fencing, and other existing infrastructure shall be re-installed or replaced with new materials depending on the condition of the existing material. All removal and replacement of manholes shall be coordinated with USFS. Any new fence posts, new wire or new fence material shall be installed by the contractor.
9. All wooden fence that is disturbed due to this project shall be replaced with new wooden fence of the same style.
10. Work in the right-of-way is to be performed per Virginia Department of Transportation right-of-way excavation and restoration standards.
11. Contractor shall procure all necessary Land Use Permits and or Road Bore Permits from the Virginia Department of Transportation. Coordinate with the Virginia Department of Transportation.
12. This project will occur within an area having existing wetlands. The contractor shall utilize responsible care to avoid all impact to existing and delineated wetlands. Work within existing streams shall take place in accordance with rules and regulations set forth by the Virginia Department of Conservation and Recreation (DCR), Department of Environmental Quality, and/or the Virginia Marine Resources Commission.
13. Construction stakeout shall utilize the services of a licensed land surveyor licensed to perform work in the Commonwealth of Virginia. Stakeout shall reflect the approved construction drawings set forth in these documents.

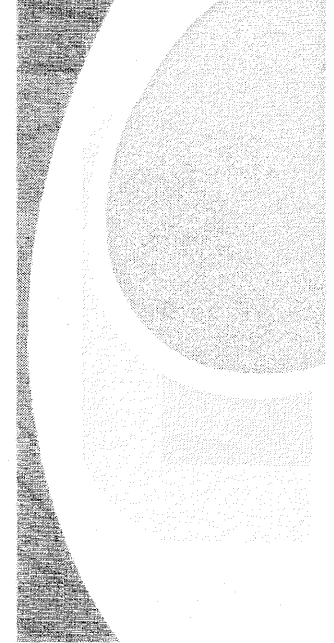
## Sheet Index

- C1.0 Cover Sheet
- C1.2 Plan Index
- C2.1 Erosion Control Narrative & Details
- C3.1 Sewer Plan & Profile
- C3.2 Sewer Plan & Profile
- C3.3 Sewer Plan & Profile
- C3.4 Sewer Plan & Profile
- C3.5 Sewer Plan & Profile
- C3.6 Sewer Plan & Profile
- C3.7 Sewer Plan & Profile
- C3.8 Standard Details
- C3.9 Standard Details

## Approved for Construction:

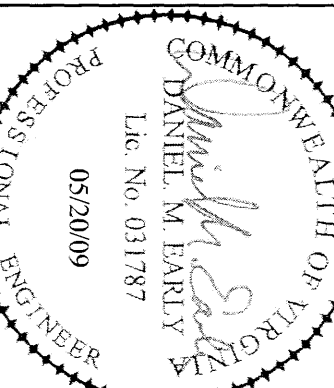
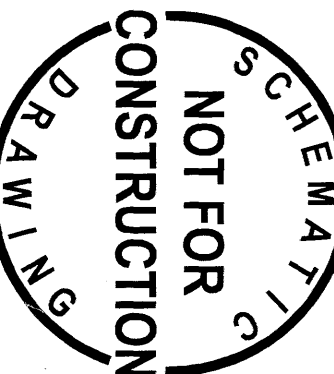
Executive Director of Water	Date
Executive Director of Wastewater	Date
Director of Engineering Services	Date

## Design Engineer



WESTERN VIRGINIA  
WATER AUTHORITY

601 S. Jefferson Street  
Suite 300  
Roanoke, VA 24011  
(540) 853-5641



Rev	Description	Date	By	Designed: DME
			Drawn: DME/JSJ	
			Checked: DME	
			Approved: DME	
			Date: July 9, 2009	
			Project: 09012	
				C1.0