

# MOREWOOD ROAD WATER LINE EXTENSION

FOR  
CIR DEVELOPMENT, INC.

## FRANKLIN COUNTY, VIRGINIA

SEPTEMBER 23, 2005

REVISED NOVEMBER 10, 2005

REVISED NOVEMBER 30, 2005

### LEGEND:

	CONCRETE		YARD LIGHT (S.M.H.)		EX. POWER POLE
	ASPHALT PAVING		TYPICAL YARD HYDRANT		EX. TELEPHONE
	PAVEMENT REPLACEMENT		PROP. FIRE HYDRANT		EX. TELEPHONE PEDESTAL
	GRAVEL		PROP. AIR RELEASE VALVE		EX. LIGHT POLE
	PAVERS		PROP. GATE VALVE		BENCHMARK
	WETLAND AREA		PROP. BLOW OFF VALVE		
	SURVEYED PROPERTY LINE		PROP. TELEPHONE LINE		
	PROPOSED PROPERTY LINE		PROP. GAS LINE		
	DEED PROPERTY LINE		PROP. SANITARY SEWER LINE		
	OHE - EXIST. OVERHEAD POWER		PROP. STORM SEWER LINE		
	W - EXIST. WATER LINE		PROP. CONTOURS		
	C - EXIST. OVERHEAD CABLE		EXIST. 2' CONTOURS		
	EXIST. CENTERLINE OF ROAD		EXIST. 10' CONTOURS		
	EXIST. STORM SEWER		PROP. SPOT ELEVATION		
	SAN - EXIST. SANITARY SEWER		SILT FENCE		
	UE - PROP. UNDERGROUND ELEC. LINE		PROP. TREE LINE		
	UG - PROP. UNDERGROUND ELEC. SERVICE		RESOURCE MANAGEMENT AREA BOUNDARY		
	W - PROP. WATERLINE		RESOURCE PROTECTION AREA BOUNDARY		
	A - PROP. AUDIO CABLE		DITCH LINE		
	EXIST. TREE LINE				
	EXIST. EDGE OF PAVEMENT				

SEE SHEET C13 FOR EROSION AND SEDIMENT CONTROL LEGEND.

### GENERAL NOTES:

- The minimum required density for all compaction shall be 95 percent of maximum dry density with a moisture content within  $\pm 2$  percent of the optimum. It is contractor's responsibility to verify compacted fill is suitable for backfill of water line.
- It is the contractor's responsibility to meet compliance requirements with section 59.1-406, et seq. of the Code of Virginia (overhead high voltage lines safety act).
- The contractor shall be responsible for obtaining all necessary permits before beginning construction.
- All construction will be in accordance with Franklin County standards and specifications.
- Unless shown and specified otherwise, methods and materials shall be in accordance with VDOT Road and Bridge Standards latest edition. A VDOT permit will be required to work in VDOT right of way.
- Water pipe to be pressure tested and disinfected per Franklin County specifications.
- Contractor shall be responsible for repair of any utilities damaged as a result of construction activities. Verify location of all existing utilities prior to beginning work.
- Contractor is responsible for obtaining permission for any offsite grading, erosion and sediment control measures, and construction.
- Distances and radii referred to are to the edge of pavement, unless otherwise noted.
- Rights-of-way, lot lines, and easements are dedicated on plats separate from these plans.
- All utilities shall be underground installation.
- All utilities will be visually inspected by the Counties Inspector prior to backfilling the trenches, including all utility crossings.
- The contractor shall meet all requirements of Chapter 22 of the Franklin County Code, and the "Franklin County Rules and Regulations for Public Water Service", and the Virginia Department of Health.
- Utilities shown herein are based on available above ground structures (valves, manholes, etc.) and existing Franklin County mapping.
- All utilities to be maintained by the County shall be within the dedicated rights-of-way or easements.
- A field review shall be made by the County during construction to determine the adequacy of channels and ditches as constructed in accordance with the approved plan. In the event of scour and erosion, the Contractor shall install additional measures as determined and required by the County.
- The Contractor shall be required to compact the ditch for the entire length of the project per VDOT requirements. Contractor shall have compaction test performed per Franklin County Chapter 22 requirements at the Contractor's expense. Should a test fail, the engineer may require that more tests are performed at the Contractors expense. Copies of all tests are to be provided to the Engineer.
- The Contractor shall be required to replace to as good or better condition any driveways disturbed during the course of this project.
- The Contractor shall be required to dress up and seed all disturbed areas within 30 days of disturbance.
- The contractor is required to notify the County Planning and Public Works Department in writing at least three (3) days prior to any construction, including, but not limited to the following:

- Installation of approved erosion control devices
- Clearing and grubbing
- Subgrade excavation
- Installing storm sewers or culverts
- Placing gravel base
- Placing any roadway surface
- Installing water lines
- Installing fire hydrants and valves
- Installing service lines and meter valves
- Installing sanitary sewer lines
- Installing manholes
- Installing laterals and cleanouts

- A pre-construction conference shall be scheduled with Franklin County, to be held at least 48 hrs prior to any construction.
- Measures to control erosion and siltation must be provided prior to plan approval. Plan approval in no way relieves the contractor of the responsibilities contained within the erosion and siltation control policies.
- An approved set of plans and all permits must be available at the construction site.
- Field construction shall honor proposed drainage divides as shown on plans.
- All unsuitable material shall be removed from the construction limits of the roadway before placing embankment.
- The Contractor shall submit six (6) sets of shop drawings to the Engineer for all products to be used on this project prior to any construction taking place.
- Not Used
- It is the contractors responsibility to insure that the streets are in a clean, mud and dust free condition at all times.
- The developer and/or contractor shall supply all utility companies with copies of approved plans, advising them that all grading and installation shall conform to approved plans.
- Contractors shall notify utilities of proposed construction at least two (2), but not more than ten (10) working days in advance. Area public utilities may be notified thru "Miss Utility"; 1-800-552-7001.
- Not Used
- Not Used
- 100 year floodway and floodplain information shall be shown where applicable.
- Not Used

Miss Utility of Virginia  
204 RIVERS BEND BOULEVARD  
CHESTER, VIRGINIA 23831



BEFORE YOU DIG ANYWHERE IN  
VIRGINIA! CALL 1-800-552-7001

VA LAW REQUIRES 48 HOURS  
NOTICE BEFORE YOU EXCAVATE.

MISS UTILITY WAS CONTACTED ON JULY 7, 2005 FOR A DESIGN TICKET. CONFIRMATION  
NUMBER B518000849.

MISS UTILITY RESPONDED JULY 29, 2005 WITH THE FOLLOWING:

AEP - NO CONFLICT  
CHARTER COMMUNICATIONS - NO CONFLICT  
SPRINT - MARKED  
VERIZON - NO CONFLICT

### LOCAL APPROVALS:

### CONTACT INFORMATION:

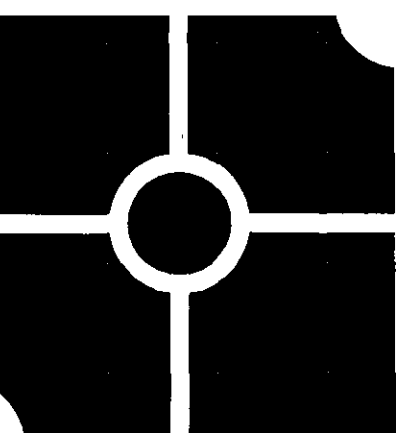
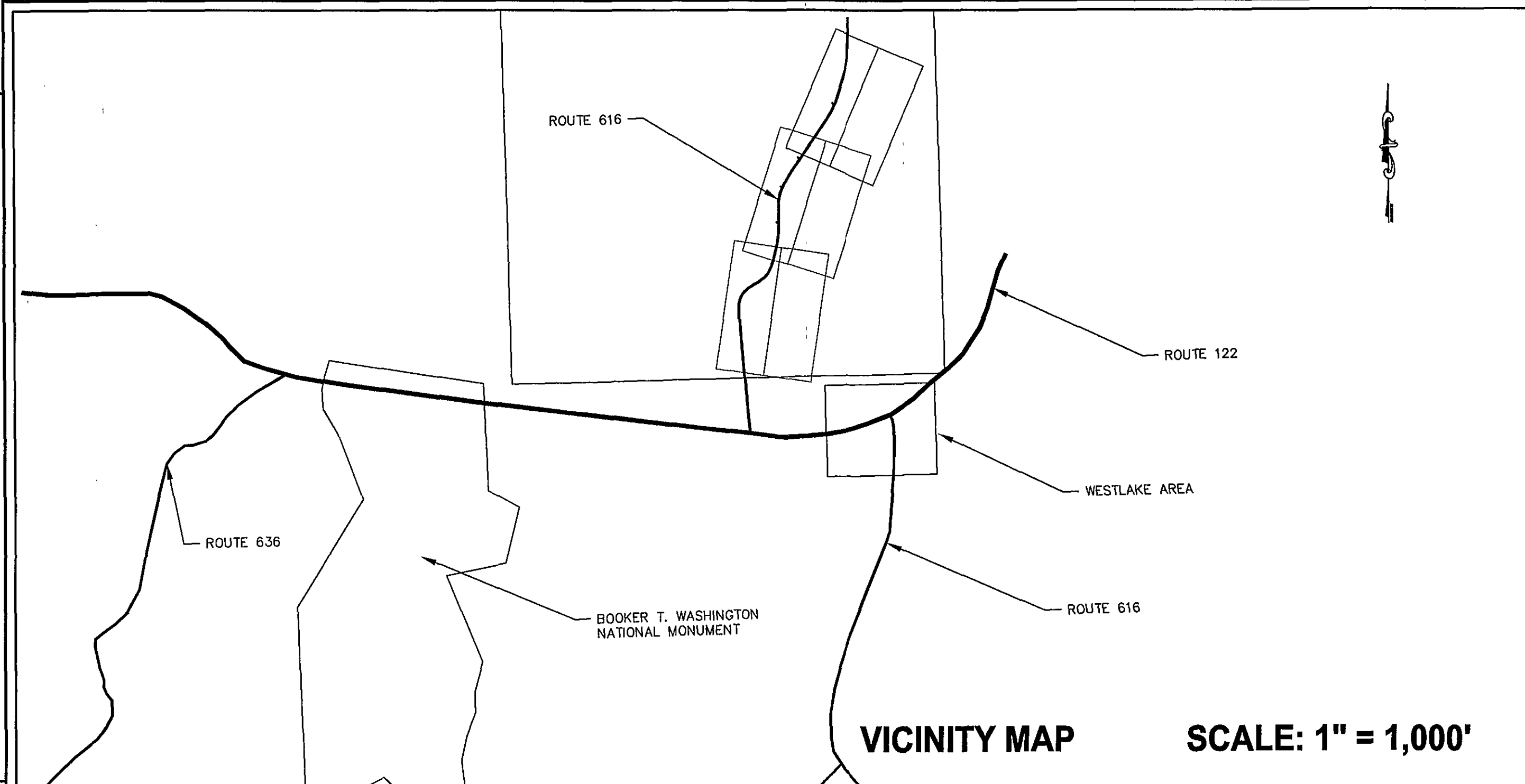
**Engineer:** BGBT Design Group, PC  
201 East Main Street  
Salem, Virginia 24153  
540-387-9100 FAX 540-387-9101  
Contact Person: Gregory S. Taylor, P.E.

**Surveyor:** N/A

**Owner:** CIR Development, Inc.  
13161 Booker T. Washington Highway, Suite D  
Hardy, Virginia 24101  
540-721-0298 FAX 540-721-0291

### SHEET INDEX:

C01 COVER SHEET  
C02 OVERALL PLAN  
C03 PLAN/PROFILE SHEET #1  
C04 PLAN/PROFILE SHEET #2  
C05 PLAN/PROFILE SHEET #3  
C06 DETAIL SHEET



Barnes Grogan Bower & Taylor  
**DESIGN GROUP, PC**

LANDSCAPE ARCHITECTS - ENGINEERS - PLANNERS

201 E. Main Street

Suite 100

Salem, Virginia 24153

Phone: 540.387.9100

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**Morewood Road  
Water Line Extension**  
Franklin County, Virginia

### REVISIONS:

VDR & County Comments  
November 10, 2005  
County Comments  
November 30, 2005

DESIGNED BY: SRB

DRAWN BY: GST

CHECKED BY: SRB

SCALE: N/A

DATE: September 23, 2005

SHEET TITLE:

Cover Sheet

**C01**  
01 OF 06  
PROJECT NUMBER:  
S05020-01