

Note: Rock quantities are the Engineer's estimate only! They are to be used by the Contractor as an aid to pricing the line work.

Note: Reference - Virginia Department of Highways

Project 0220-011-101, PE-101
C-504
RW-204

Sheets: 6 of 7

Note: Before starting construction the contractor shall contact Mr. Dick Koontz of the Roanoke Gas Company for the exact location of all underground gas lines at (703) 344-6651.

Note: Before starting construction the contractor shall contact Mr. H.M. Smythers of the Appalachian Power Company for the exact location of all buried power lines at (703) 344-1411 ext. 688.

Note: All metered service connections shall include a backflow check valve in the discharge line.

Note: 1000' Grid based on Virginia State Plane Coordinate System

South Zone 1927 N.A. Datum

Vertical Datum - 1929 G.A.

Note: In all instances the Contractor shall attempt to jack & bore the road crossings. Only after this has failed and he has obtained approval from the Highway Dept. may the Contractor open cut the roads. Pavement cut will be returned to original condition to the satisfaction of the Highway Dept. even if it means repaving the entire roadway. Payment for paving will be included in the cost of the road crossing and will be limited to a cut 18" wide across the roadway. If more paving is required it will be paid for separately.

Note: The existing 8" water main shall be drained prior to use and disinfected according to Section VII "Disinfection and Tests" of the project specifications. A physical disconnection must also be made from the present Botetourt Co. courthouse well prior to connection to the town system.

Note: #14 Pipe Locator Wire shall be buried with the Water Mains and tied to valve boxes at the following locations:

Carper Street (The entire length)
Roanoke Street
From Sheet 5 To U.S. 220
Church Street
From Sheet 5 To Buck St.
Buck Street (The entire length)
Water Street
From Buck St. To Murray St.
Federal Street
From U.S. 220 To Roanoke St.
Hancock Street
From Carper St. To Main St.
Main Street
From Hancock St. To Roanoke St.
Murray Street
From Roanoke St. To Water St.
This note removed from Roanoke St. to Water St.
From Carper St. to Main St.

TAKE OFF

1) PAVEMENT REPLACEMENT	500 SQ. YD.
2) 6" WATER MAINS	10,525'
3) 4" WATER MAINS	13,005'
4) 2" WATER MAINS	37,005'
5) CONCRETE LEFT IN TRENCH	4 CU. YD.
6) 6" GATE VALVES	19
7) 4" GATE VALVES	8
8) 2" GATE VALVES	7
9) AIR RELEASE VALVES	4
10) FLUSHING HYDRANTS	6
11) FIRE HYDRANTS	17
12) METERED SERVICE CONNECTIONS	
SAME SIDE OF ROAD	85
OPPOSITE SIDE OF ROAD	37
13) HIGHWAY CROSSINGS	CDEF
14) ROCK (50%)	13,300 CU. Y.
15) SEEDING	2,566 SQ. Y.