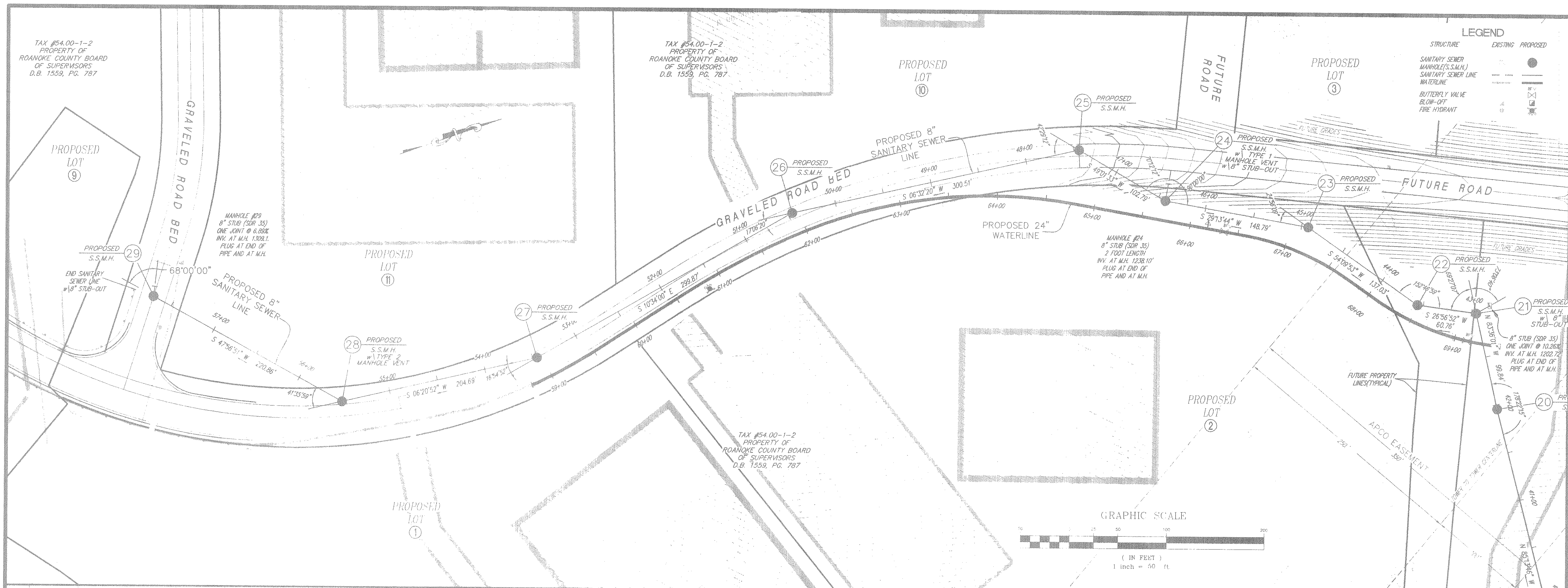




LEGEND

STRUCTURE

EXISTING

PROPOSED

SANITARY SEWER MANHOLE (S.S.M.H.)

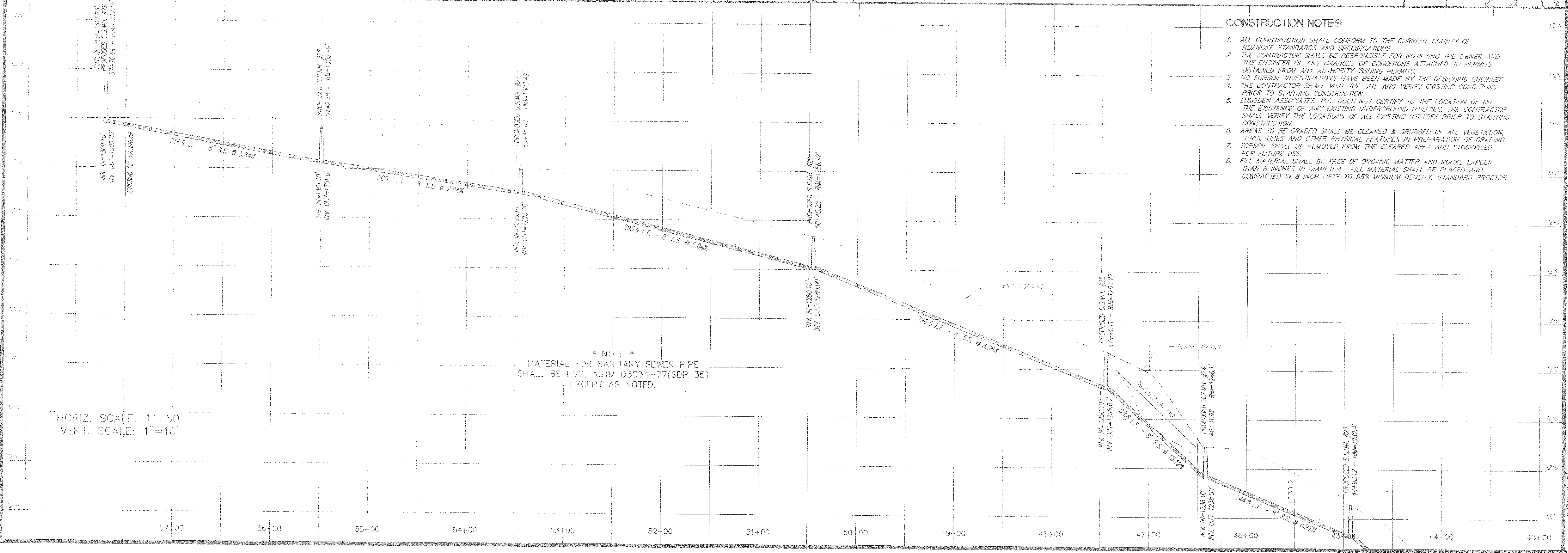
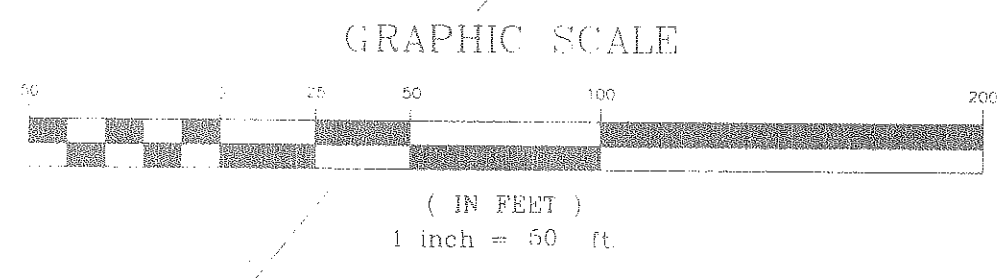
SANITARY SEWER LINE

WATERLINE

BUTTERFLY VALVE

BLOW-OFF

FIRE HYDRANT



- CONSTRUCTION NOTES:
1. ALL CONSTRUCTION SHALL CONFORM TO THE CURRENT COUNTY OF ROANOKE STANDARDS AND SPECIFICATIONS.
 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE OWNER AND THE ENGINEER OF ANY CHANGES OR CONDITIONS ATTACHED TO PERMITS OBTAINED FROM ANY AUTHORITY ISSUING PERMITS.
 3. NO SUBSOIL INVESTIGATIONS HAVE BEEN MADE BY THE DESIGNING ENGINEER.
 4. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY EXISTING CONDITIONS PRIOR TO STARTING CONSTRUCTION.
 5. LUMSDEN ASSOCIATES, P.C. DOES NOT CERTIFY TO THE LOCATION OF OR THE EXISTENCE OF ANY EXISTING UNDERGROUND UTILITIES. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
 6. AREAS TO BE GRADED SHALL BE CLEARED & GRUBBED OF ALL VEGETATION, STRUCTURES AND OTHER PHYSICAL FEATURES IN PREPARATION OF GRADING.
 7. TOPSOIL SHALL BE REMOVED FROM THE CLEARED AREA AND STOCKPILED FOR FUTURE USE.
 8. FILL MATERIAL SHALL BE FREE OF ORGANIC MATTER AND ROCKS LARGER THAN 6 INCHES IN DIAMETER. FILL MATERIAL SHALL BE PLACED AND COMPACTED IN 8 INCH LIFTS TO 95% MINIMUM DENSITY, STANDARD PROCTOR.

* NOTE *

MATERIAL FOR SANITARY SEWER PIPE SHALL BE PVC, ASTM D3034-77(SDR 35) EXCEPT AS NOTED.

HORIZ. SCALE: 1"=50'
VERT. SCALE: 1"=10'

LUMSDEN ASSOCIATES, P.C.
ENGINEERS-SURVEYORS-PLANNERS
ROANOKE, VIRGINIA

LA

1-29-01
HENDERSON, JR.
No. 17591
PROFESSIONAL

REV	DATE	REMARKS
1		
2		
3		
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**SEWER & WATER EXTENSION
CENTER FOR RESEARCH
AND TECHNOLOGY**

PREPARED FOR
THE COUNTY OF ROANOKE, VIRGINIA
CATAWBA MAGISTERIAL DISTRICT
ROANOKE COUNTY, VIRGINIA

DATE: 28 JANUARY 2001
COMMISSION NO: 000-231
CADD FILE: E:\2000\2001\ENG\00231 PP 04.DWG
SHEET NO: 4/9