

# DEVELOPMENT PLANS FOR CAVE SPRING OFFICE PARK

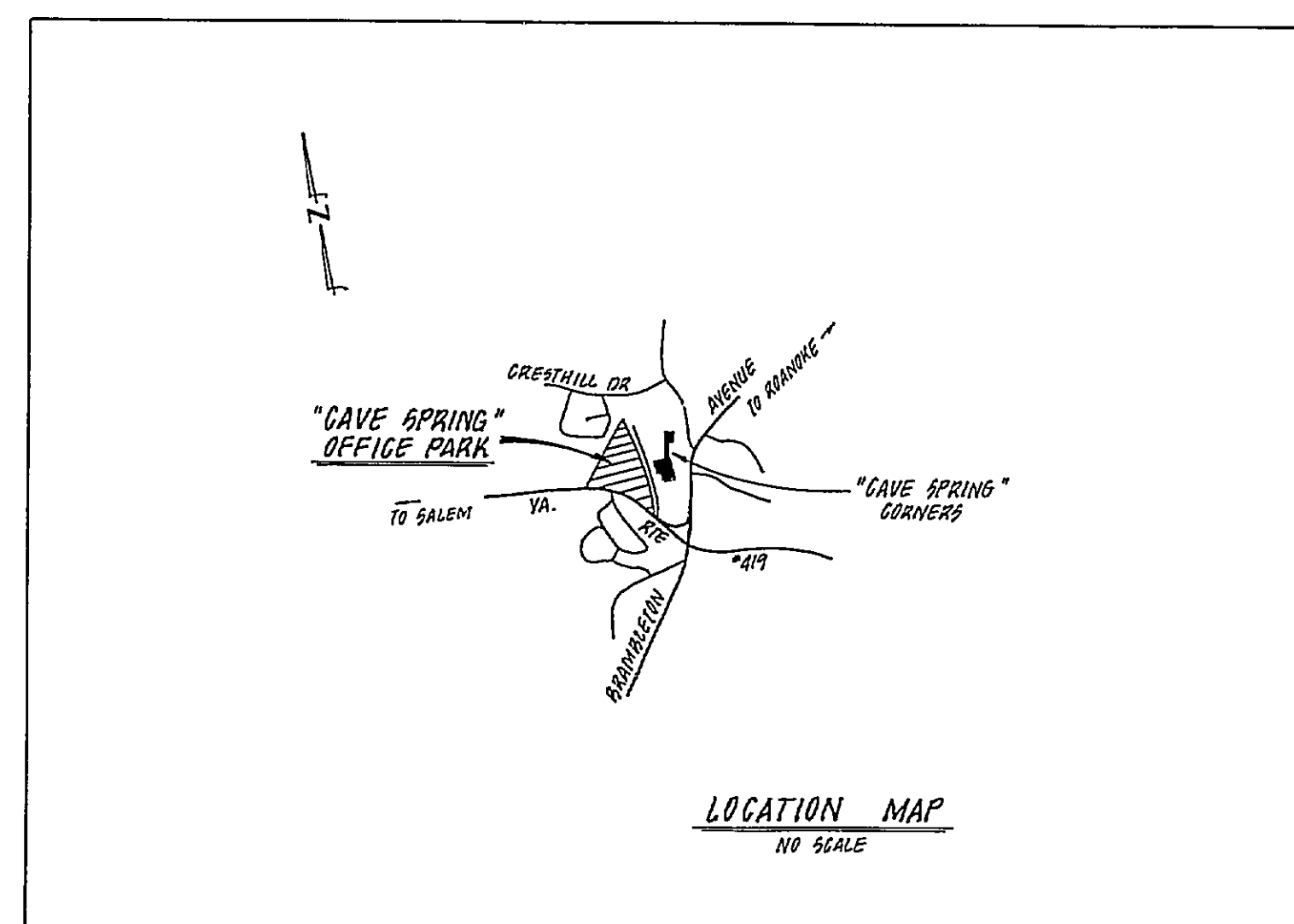
ROANOKE COUNTY, VIRGINIA

DATE: 1 MAR. 1984

OWNER:

CAVE SPRING OFFICE PARK  
A VIRGINIA GENERAL PARTNERSHIP

INDEX OF DRAWINGS	
SHEET	DESCRIPTION
1	COVER SHEET
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## WATER NOTES

1. ALL MATERIAL SHALL BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE ROANOKE COUNTY UTILITY DEPARTMENT RULES AND REGULATIONS AND CONSTRUCTION STANDARDS AND SPECIFICATIONS.
2. A MINIMUM COVER OF THREE (3) FEET OVER THE PROPOSED LINES IS REQUIRED.
3. NO WORK SHALL BEGIN WITHOUT NOTIFYING THE ROANOKE COUNTY UTILITY DEPARTMENT 24 HOURS IN ADVANCE. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY AND ALL NECESSARY PERMITS.
4. NO WORK SHALL BEGIN WITHOUT WRITTEN APPROVAL OF CONSTRUCTION PLANS FROM THE ROANOKE COUNTY UTILITY DEPARTMENT.
5. WORK SHALL BE SUBJECT TO INSPECTION BY UTILITY DEPARTMENT INSPECTORS.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND UNCOVERING ALL VALVE BOXES AFTER SURFACE TREATMENT OF ROADS AND ADJUSTING BOXES TO FINAL ROAD GRADES, IF NECESSARY.
7. ALL EXISTING UTILITIES MAY BE SHOWN OR MAY NOT BE SHOWN IN THE EXACT LOCATION. THE CONTRACTOR SHALL COMPLY WITH THE STATE WATER WORKS REGULATIONS, SECTION 12.05.03, WHERE LINES CROSS.
8. THE CONTRACTOR SHALL NOTIFY THE COUNTY UTILITY DEPARTMENT OF ANY FIELD CORRECTIONS TO THE APPROVED PLANS PRIOR TO SUCH CONSTRUCTION.
9. ALL TRENCHES WITHIN THE EXISTING OR FUTURE VIRGINIA STATE DEPARTMENT OF HIGHWAYS & TRANSPORTATION RIGHTS-OF-WAY MUST BE COMPLETED IN SIX INCH LAYERS.
10. ALL LINES TO BE STAKED PRIOR TO CONSTRUCTION.
11. WATER LINE SHALL BE DUCTILE IRON, CLASS 50 PIPE.
12. CONTRACTOR TO COORDINATE WITH THE ENGINEER TO PROVIDE AS-BUILT PLANS.

## SEWER NOTES

1. ALL MATERIAL SHALL BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE ROANOKE COUNTY UTILITY DEPARTMENT RULES AND REGULATIONS AND CONSTRUCTION STANDARDS AND SPECIFICATIONS. SEWER LINE SHALL BE PVC SDR 35 PIPE.
2. A MINIMUM COVER OF THREE (3) FEET OVER THE PROPOSED LINES IS REQUIRED.
3. NO WORK SHALL BEGIN WITHOUT NOTIFYING THE ROANOKE COUNTY UTILITY DEPARTMENT 24 HOURS IN ADVANCE. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY AND ALL NECESSARY PERMITS.
4. NO WORK SHALL BEGIN WITHOUT WRITTEN APPROVAL OF CONSTRUCTION PLANS FROM THE ROANOKE COUNTY UTILITY DEPARTMENT.
5. WORK SHALL BE SUBJECT TO INSPECTION BY UTILITY DEPARTMENT INSPECTORS.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND UNCOVERING ALL SEWER MANHOLES AFTER SURFACE TREATMENT OF ROADS AND ADJUSTING TOPS TO THE FINAL ROAD GRADES, IF NECESSARY.
7. ALL EXISTING UTILITIES MAY BE SHOWN OR MAY NOT BE SHOWN IN THE EXACT LOCATION. THE CONTRACTOR SHALL COMPLY WITH THE STATE WATER WORKS REGULATIONS, SECTION 12.05.03, WHERE LINES CROSS.
8. ALL HOUSE CONNECTIONS ARE TO BE MADE WITH 4" (INCH) SEWER PIPE AND INSTALLED PER DETAIL WITH A MINIMUM OF 1/4" INCH TO 1 FOOT GRADE FROM THE SEWER MAIN TO THE PROPERTY LINE. THE INVERT ELEVATION AT THE PROPERTY SHALL BE SHOWN ON THE AS-BUILT PLANS. 6" PIPE SHALL BE USED WHEN SERVING TWO (2) UNITS.
9. ALL HOUSE CONNECTIONS MADE FROM MANHOLES SHALL BE DUCTILE IRON OR PVC OF SUFFICIENT LENGTH TO PROVIDE TWO (2) FEET OF BEARING ON NATURAL GROUND. THE TRANSITION FROM DUCTILE IRON TO CONCRETE OR ASBESTOS CEMENT PIPE SHALL BE MADE WITH AN ADAPTER COUPLING. PROVIDE GRAVEL BEDDING FOR PVC.
10. THE CONTRACTOR SHALL NOTIFY THE UTILITY DEPARTMENT OF ANY FIELD CORRECTIONS TO THE APPROVED PLANS PRIOR TO SUCH CONSTRUCTION.
11. ALL TRENCHES WITHIN THE EXISTING OR FUTURE VIRGINIA STATE DEPARTMENT OF HIGHWAYS & TRANSPORTATION RIGHTS OF WAY MUST BE COMPLETED IN SIX INCH LAYERS.
12. ALL LINES TO BE STAKED PRIOR TO CONSTRUCTION.
13. CONTRACTOR TO COORDINATE WITH THE ENGINEER TO PROVIDE AS BUILT PLANS.

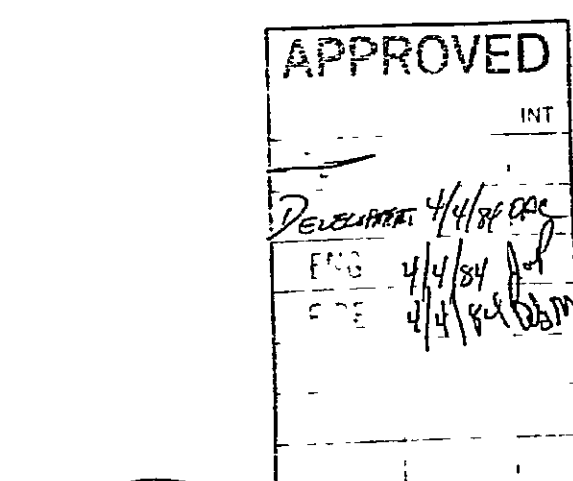
## GENERAL NOTES

1. ALL PAVEMENT AND CURB ITEMS TO BE IN ACCORDANCE WITH VIRGINIA DEPARTMENT OF HIGHWAYS AND TRANSPORTATION STANDARDS AND SPECIFICATIONS.
2. DRAINAGE STRUCTURES AND PIPE TO BE IN ACCORDANCE WITH VIRGINIA DEPARTMENT OF HIGHWAYS AND TRANSPORTATION STANDARDS AND SPECIFICATIONS. ALL STORM DRAIN PIPE TO BE NON-REINFORCED CONCRETE ASTM C-14, CLASS 2 UNLESS NOTED OTHERWISE.
3. EXISTING UTILITIES SHOWN ON THE DRAWINGS WERE TAKEN FROM THE BEST INFORMATION AVAILABLE BUT MAY NOT REPRESENT EXACT LOCATIONS. THE CONTRACTOR SHALL CONTACT LOCAL UTILITY OWNERS TO VERIFY LOCATIONS PRIOR TO BEGINNING CONSTRUCTION AND TO MAKE SUITABLE ARRANGEMENTS FOR HANDLING CONFLICTING UTILITY LINES.
4. SEE PROJECT SPECIFICATIONS FOR CONSTRUCTION OF ENHANCEMENTS.
5. WORK WITHIN THE RIGHT-OF-WAY OF ROUTE 419 WILL BE PERMITTED ONLY BETWEEN THE HOURS OF 9:00 A.M. AND 3:30 P.M.

## APPROVED

RESIDENT ENGINEER, VIRGINIA DEPARTMENT OF HIGHWAYS & TRANSPORTATION \_\_\_\_\_ DATE \_\_\_\_\_

SUPERINTENDENT OF PUBLIC FACILITIES, ROANOKE COUNTY \_\_\_\_\_ DATE \_\_\_\_\_



BUFORD T. LUMSDEN & ASSOCIATES, P.C.  
ENGINEERS - SURVEYORS  
ROANOKE, VIRGINIA

Re-3281