

CAMPBELL HILLS SANITARY SEWER

ROANOKE COUNTY, VIRGINIA

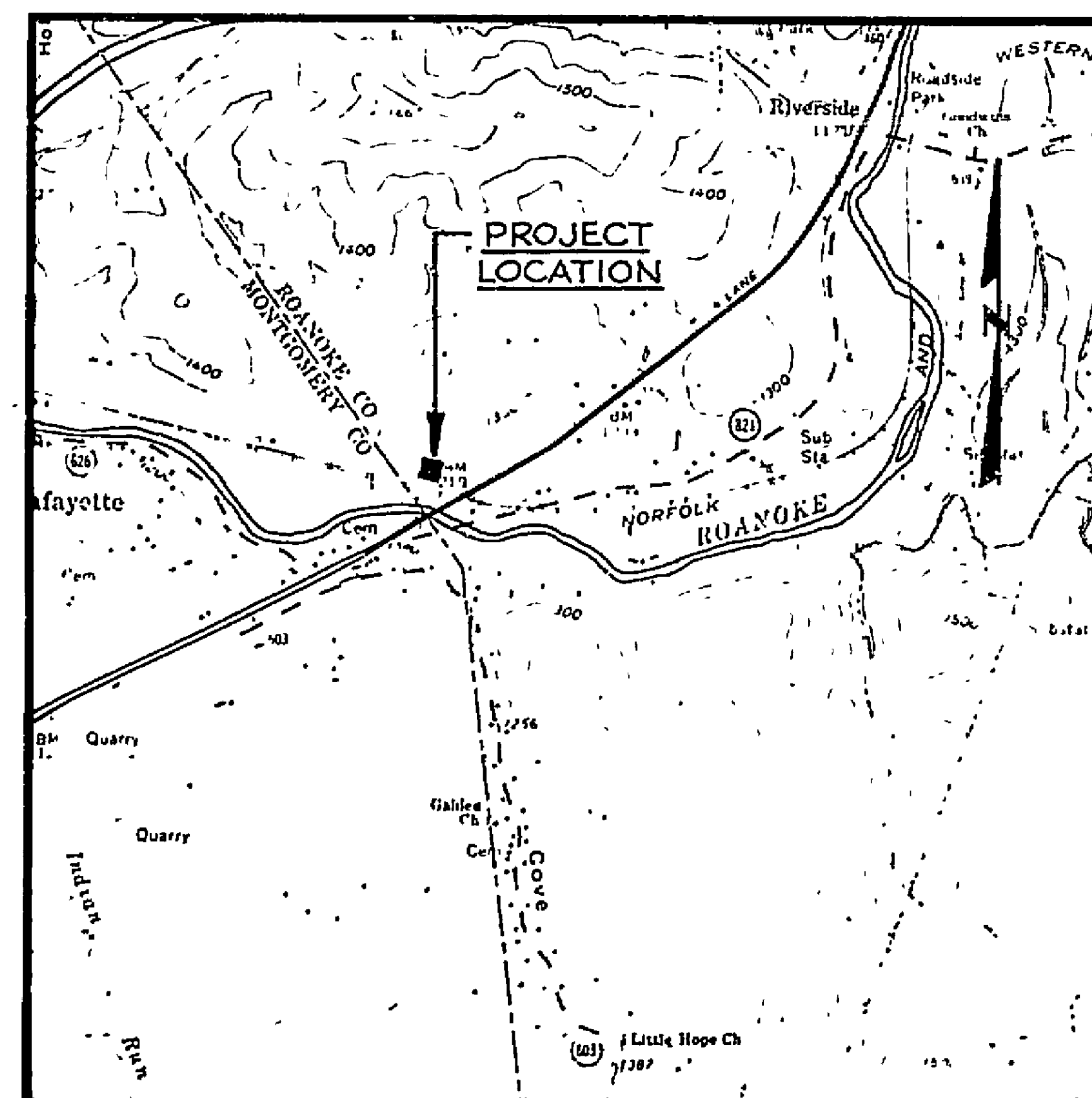
FOR THOMAS BROTHERS, INC.

SYMBOLS

EXISTING 100 S.E.	NEW 100 S.	SPOT ELEVATION 100.5
--- 100 ---	--- 100 ---	CONTOURS
--- 0'S.S. ---	--- 0'S.S. ---	SANITARY SEWER LINE
--- 4"W. ---	--- 4"W. ---	WATERLINE
--- 24" S.D. ---	--- 24" S.D. ---	STORM DRAIN
--- 2"G. ---	--- 2"G. ---	GAS LINE
--- E ---	--- E ---	OVERHEAD ELEC. LINE
--- UT ---	--- UE ---	OVERHEAD TEL. LINE
--- T ---	--- T ---	UNDERGROUND TEL. OR ELEC. LINE
--- W ---	--- W ---	WATER OR GAS METER
--- V ---	--- V ---	VALVE
--- F.H. ---	--- F.H. ---	FIRE HYDRANT
--- M ---	--- M ---	MANHOLE
--- C.O. ---	--- C.O. ---	CLEANOUT
--- I ---	--- I ---	DROP INLET (CURB OR GRATE)
--- U ---	--- U ---	UTILITY POLE, CUD & ANCHOR
--- H ---	--- H ---	HANDICAPPED SPACE
--- D ---	--- D ---	DITCH OR SWALE
--- C ---	--- C ---	CENTERLINE OR BASELINE
--- S ---	--- S ---	SURVEY TRAVERSE POINT
--- Δ ---	--- Δ ---	DEFLECTION ANGLE
--- Δ ---	--- Δ ---	DIRECT ANGLE
--- Y.L. ---	--- Y.L. ---	YARD LIGHTING
--- Y.H. ---	--- Y.H. ---	YARD HYDRANT

ABBREVIATIONS

ANFH	ARROW HEAD TOP OF	LT	LEFT
AFRFX	FIRE HYDRANT	ML	MINIMUM BUILDING LINE
ASPH	ASPHALT	MN	MINIMUM
BC	BOTTOM OF CURB	MM	MINOR
BIT	BITUMINOUS	NBL	NORTH BOUND LANE
BLD	BUILDING	PUE	PUBLIC UTILITY EASEMENT
BLK	BLOCK	PMT	PAVEMENT
BM	BENCH MARK	R	RADIUS
BM	BOTTOM OF WALL	R/M	RIGHT OF WAY
CB	CINDER BLOCK	REQD	REQUIRED
CAC	CURB & GUTTER	RR	RAILROAD
CMP	CORRUGATED METAL PIPE	SA	SANITARY
CONC	CONCRETE	SBL	SOUTH BOUND LANE
COR	CORNER	SD	STORM DRAIN
DBL	DOUBLE	SECT	SECTION
DEFL	DEFLECTION	SS	SANITARY SEWER
DI	DEEP INLET	STA	STATION
DIA	DIAMETER	STD	STANDARD
DE	DRAINAGE EASEMENT	STOR	STORAGE
EEL	EAST BOUND LANE	TBM	TEMPORARY BENCH MARK
ELEC	ELECTRIC	TC	TOP OF CURB
ELEV	ELEVATION	TEL	TELEPHONE
ENTR	ENTRANCE	TRANS	TRANSFORMER
EP	EDGE OF PAVEMENT	TW	TOP OF WALL
EM	EMBALL	TYP	TYPICAL
EXIST	EXISTING	VDMAT	VIRGINIA DEPARTMENT OF
FF	FOUNDATION	VEHT	HIGHWAYS & TRANSPORTATION
FF	FINISH FLOOR	WBL	WEST BOUND LANE
HPT	HIGH POINT	YD	YARD
INV	INVERT		
IP	IRON PIPE		



VICINITY MAP
SCALE: 1"=2000'

INDEX OF SHEETS

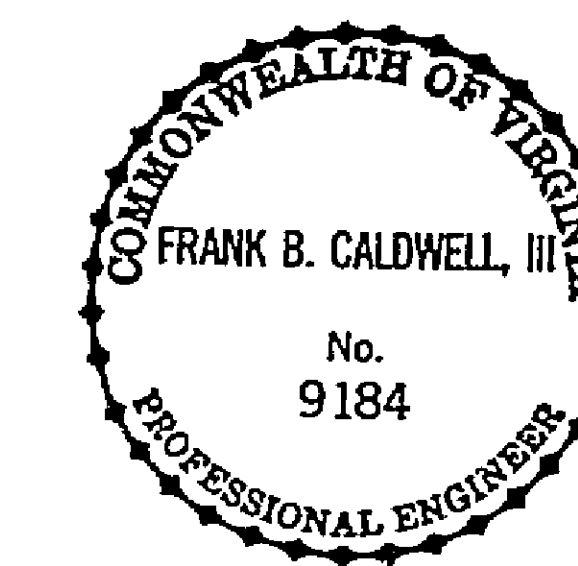
- SHEET 1 TITLE SHEET
- 2 SANITARY SEWER PLAN & PROFILE
- 3 MISCELLANEOUS DETAILS
- 4 PUMP STATION DETAILS
- 5 ROANOKE COUNTY GENERAL SANITARY
- 6 SEWER DETAILS
- 7 ACCESS ROAD PLAN TO PUMP STATION

GENERAL NOTES

1. All construction methods and materials shall conform to the Construction Standards and Specifications of Roanoke County and/or The Virginia Department of Transportation and the Regulations of the State Department of Health.
2. The contractor or developer is required to notify the Roanoke County Engineering Division in writing at least three (3) days prior to any construction, including but not limited to the following:
 - A. Clearing and grubbing
 - B. Subgrade excavation
 - C. Installing storm sewers or culverts
 - D. Placing any concrete
 - E. Placing gravel base
 - F. Placing any roadway surface
 - G. Installing package pump station
 - H. Installing sanitary sewer lines
3. A preconstruction conference should be scheduled with the Roanoke County Engineering Division, to be held at least one day prior to construction.
4. A permit must be obtained from VDOT Residency Office, Salem for the access road connection to Campbell Drive.
5. The contractor shall provide adequate means of cleaning mud from trucks and/or other equipment prior to entering public streets. It is the contractor's responsibility to insure that the streets are in a clean, mud and dust free condition at all times.
6. Care must be taken during construction to prevent erosion, dust and mud from damaging adjacent property, clogging ditches, tracking public streets and otherwise creating a public or private nuisance to surrounding areas.
7. All graded areas which do not receive pavement shall receive 5" of topsoil. Final seeding shall comply with Special Note 7, Sheet 3.
8. The developer or contractor shall supply the County with correct as-built plans before final acceptance.
9. All work shall be subject to inspection by Roanoke County and/or VDOT inspectors.
10. Field corrections shall be approved by the Roanoke County Engineering Division prior to such construction.
11. Grade stakes shall be set for all sanitary sewer.
12. A minimum cover of three (3) feet is required over proposed lines.

ENGINEERS NOTES

1. Location of utilities is based on available records. Contractor shall verify location of all utilities prior to construction.
2. T. P. PARKER & SON assumes no responsibility for adequacy of plans or for information on plans until such plans have been approved by the required public agencies.
3. Any work commenced on a project prior to plan approval is at sole risk of the developer.
4. T. P. PARKER & SON does not guarantee the completion or quality of performance of the contracts or the completion or quality of performance of contracts by subcontractors or other third parties.



REVISIONS		
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