

GENERAL NOTES

ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE CONSTRUCTION STANDARDS AND SPECIFICATIONS OF THE CITY OF ROANOKE. THE CONTRACTOR OR DEVELOPER IS REQUIRED TO NOTIFY THE CITY OF ROANOKE ENGINEERING DIVISION IN WRITING AT LEAST THREE (3) DAYS PRIOR TO ANY CONSTRUCTION, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

- A. INSTALLATION OF APPROVED EROSION CONTROL DEVICES.
- B. CLEARING AND GRUBBING.
- C. SUBGRADE EXCAVATION.
- D. INSTALLING STORM SEWERS OR CULVERTS.
- E. INSTALLING CURB AND GUTTER FORMS.
- F. PLACING CURB AND GUTTER.
- G. PLACING OTHER CONCRETE.
- H. PLACING GRAVEL BASE.
- I. PLACING ANY ROADWAY SURFACE.
- J. INSTALLING WATER LINES.
- K. INSTALLING SANITARY SEWER LINES.

MEASURES TO CONTROL EROSION AND SILTATION MUST BE PROVIDED FOR PRIOR TO PLAN APPROVAL. PLAN APPROVAL IN NO WAY RELIEVES THE DEVELOPER OR CONTRACTOR OF THE RESPONSIBILITIES CONTAINED IN EROSION AND SILTATION CONTROL POLICIES.

FIELD CONSTRUCTION SHALL HONOR PROPOSED DRAINAGE DIVIDES AS SHOWN ON PLANS.

CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AT THE JOB SITE.

ALL SPRINGS SHALL BE CAPPED AND PIPED TO THE NEAREST STORM SEWER OR NATURAL WATERCOURSE. THE PIPE SHALL BE MINIMUM OF 6" DIAMETER AND CONFORM TO VDOT STANDARD SB-1.

CONSTRUCTION DEBRIS SHALL BE CONTAINED IN ACCORDANCE WITH THE VIRGINIA LITTER CONTROL ACT. NO LESS THAN ONE LITTER RECEPTACLE SHALL BE PROVIDED ON-SITE.

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.

CONTRACTORS SHALL NOTIFY UTILITIES OF PROPOSED CONSTRUCTION AT LEAST TWO, BUT NOT MORE THAN TEN WORKING DAYS IN ADVANCE. AREA PUBLIC UTILITIES MAY BE NOTIFIED THROUGH MISS UTILITY AT (800) 552-7001.

ALL WORK SHALL BE SUBJECT TO INSPECTION BY CITY OF ROANOKE INSPECTORS.

GRADE STAKES SHALL BE SET FOR ALL CURB AND GUTTER, SANITARY SEWER, AND STORM SEWER.

LOCATION OF UNDERGROUND UTILITIES IS BASED ON FIELD SURVEYS, AS SHOWN BY AVAILABLE RECORDS, AND AS LOCATED BY THE UTILITY LOCATOR SERVICE. CONTRACTORS SHALL FIELD-VERIFY LOCATION OF ALL UTILITIES, ABOVE AND BELOW GRADE, PRIOR TO CONSTRUCTION. CONTACT MISS UTILITY AT (800) 552-7001.

THE SITE WORK AND LANDSCAPING CONTRACTOR(S) SHALL COMPLY WITH LOCAL CODES IN OBSERVING EROSION CONTROL MEASURES, BOTH ON AND OFF THE SITE. REFER TO THE VIRGINIA UNIFORM CODING SYSTEM CONTAINED IN THE VIRGINIA SOIL EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION, FOR DETAILS AND SPECIFICATIONS OF EROSION CONTROL ITEMS SHOWN ON THESE PLANS.

ALL STORM DRAIN CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE VIRGINIA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS.

WHERE NEW CONSTRUCTION JOINS EXISTING, THE CONTRACTOR SHALL SAW-CUT THE EXISTING AT THE POINT OF CONNECTION. THIS CUT SHALL BE MADE USING EQUIPMENT MADE ESPECIALLY FOR THIS PURPOSE.

ENGINEER'S NOTES

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.

ANY WORK COMMENCED ON A PROJECT PRIOR TO PLAN APPROVAL IS AT SOLE RISK OF THE DEVELOPER.

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.

SOURCE OF TOPOGRAPHIC MAPPING IS PHOTOGRAMMETRIC DATA SERVICES, INC. DATED 1993

BOUNDARY SURVEY WAS PERFORMED BY T.P. PARKER & SON DATED 1993

SEWER NOTES

A MINIMUM COVER OF THREE (3) FEET IS REQUIRED OVER PROPOSED LINES.

CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND UNCOVERING ALL MANHOLES AFTER PAVING. MANHOLE TOPS SHALL BE ADJUSTED TO GRADE IF NECESSARY.

ALL EXISTING UTILITIES MAY NOT BE SHOWN, OR MAY NOT BE SHOWN IN THE EXACT LOCATION. THE CONTRACTOR SHALL COMPLY WITH STATE WATER WORKS REGULATIONS, SECTION 12.05.03, WHERE LINES CROSS.

SERVICE CONNECTIONS ARE TO BE MADE WITH MINIMUM 4" PIPE INSTALLED ON A MINIMUM GRADE OF 1/4 INCH TO 1 FOOT IN THE RIGHT OF WAY.

ALL TRENCHES IN EXISTING OR FUTURE HIGHWAY RIGHT OF WAYS SHALL BE COMPACTED ACCORDING TO CITY OF ROANOKE STANDARDS.

LINES SHALL BE STAKED PRIOR TO CONSTRUCTION.

WATER NOTES

A MINIMUM COVER OF THREE (3) FEET IS REQUIRED OVER PROPOSED LINES.

CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND UNCOVERING VALVE VAULTS AFTER PAVING AND ADJUSTMENT TO FINAL GRADE IF NECESSARY.

ALL EXISTING UTILITIES MAY NOT BE SHOWN, OR MAY NOT BE SHOWN IN THE EXACT LOCATION. THE CONTRACTOR SHALL COMPLY WITH STATE WATER WORKS REGULATIONS, SECTION 12.05.03, WHERE LINES CROSS.

ALL TRENCHES IN EXISTING OR FUTURE HIGHWAY RIGHT OF WAYS SHALL BE COMPACTED ACCORDING TO CITY OF ROANOKE STANDARDS.

LINES SHALL BE STAKED PRIOR TO CONSTRUCTION.

STANDARD CITY OF ROANOKE CONSTRUCTION PROCEDURE REQUIREMENTS

CITY INSPECTIONS: TO ENSURE THE COORDINATION OF TIMELY AND PROPER INSPECTIONS, A PRECONSTRUCTION CONFERENCE SHALL BE INITIATED BY THE CONTRACTOR WITH THE CITY OF ROANOKE DEPARTMENT OF ZONING AND DEVELOPMENT (703) 981-2250 OR 981-2733 TO ARRANGE A CONFERENCE AT LEAST THREE (3) DAYS PRIOR TO ANTICIPATED CONSTRUCTION.

STREET OPENING PERMIT: PRIOR TO THE COMMENCEMENT OF ANY DIGGING, ALTERATION, OR CONSTRUCTION WITHIN THE PUBLIC RIGHT-OF-WAY (STREETS, ALLEYS, PUBLIC EASEMENTS) A STREET OPENING PERMIT SHALL BE APPLIED FOR AND OBTAINED BY THE CONTRACTOR FROM THE CITY OF ROANOKE.

PLANS AND PERMITS: A COPY OF THE PLANS APPROVED BY THE CITY OF ROANOKE (SIGNED BY THE PROPER CITY OFFICIALS) AND ALL PERMITS ISSUED BY THE CITY SHALL BE MADE AVAILABLE AT THE CONSTRUCTION SITE AT ALL TIMES OF ONGOING CONSTRUCTION.

LOCATION OF UTILITIES: THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION.

CONSTRUCTION ENTRANCE: THE CONTRACTOR SHALL INSTALL AN ADEQUATE CONSTRUCTION ENTRANCE FOR ALL CONSTRUCTION-RELATED EGRESS FROM THE SITE. THE SIZE AND COMPOSITION OF THE CONSTRUCTION ENTRANCE SHALL BE DETERMINED BY THE CITY OF ROANOKE SITE PLAN INSPECTOR.

STREETS TO REMAIN CLEAN: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT THE PUBLIC STREET ADJACENT TO THE CONSTRUCTION ENTRANCE REMAINS FREE OF MUD, DIRT, DUST, AND/OR ANY TYPE OF CONSTRUCTION MATERIALS OR LITTER AT ALL TIMES.

BARRICADES/DITCHES: THE CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF ALL EXCAVATED DITCHES AND SHALL FURNISH AND ENSURE THAT ALL BARRICADES PROPER AND NECESSARY FOR THE SAFETY OF THE PUBLIC ARE IN PLACE.

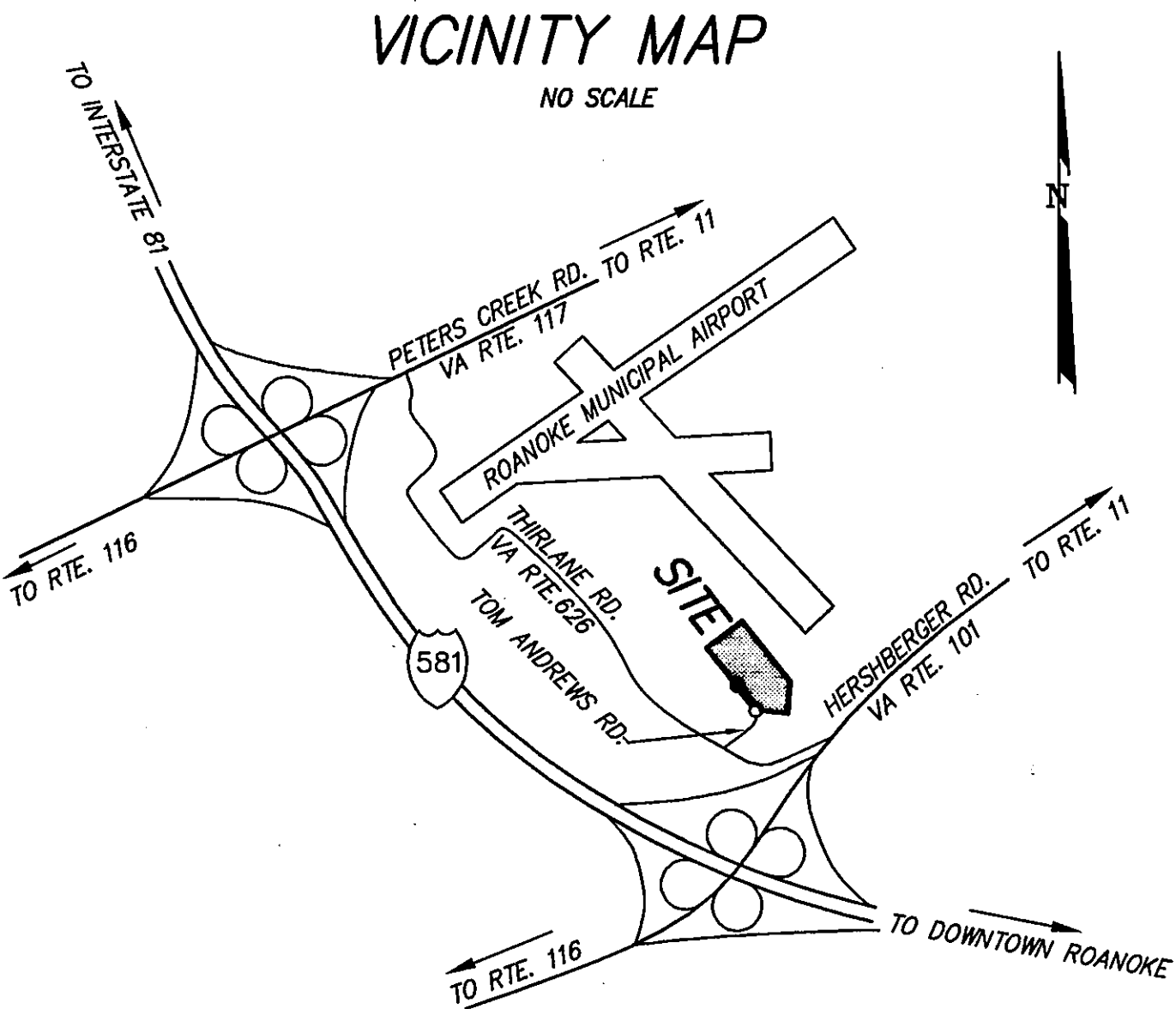
SEWER AND PAVEMENT REPLACEMENT: CONSTRUCTION OF SANITARY SEWERS AND THE REPLACEMENT OF PAVEMENT SHALL BE IN ACCORDANCE WITH APPROVED STANDARDS AND SPECIFICATIONS OF THE CITY OF ROANOKE.

APPROVED PLANS/CONSTRUCTION CHANGES: ANY CHANGE OR VARIATION FROM CONSTRUCTION DESIGN AS SHOWN ON THE OFFICIALLY APPROVED PLANS SHALL BE APPROVED BY THE CITY ENGINEER PRIOR TO SAID CHANGES OR VARIATIONS ON CONSTRUCTION BEING MADE.

FINAL ACCEPTANCE/CITY: THE DEVELOPER OR CONTRACTOR SHALL FURNISH THE CITY OF ROANOKE ENGINEERING DEPARTMENT WITH A FINAL CORRECT SET OF AS-BUILT PLANS PRIOR TO FINAL ACCEPTANCE BY THE CITY.

NOTICE: ALL LANDOWNERS, DEVELOPERS, AND CONTRACTORS

FAILURE TO COMPLY WITH THE CONSTRUCTION PROCEDURE REQUIREMENTS LISTED ABOVE MAY RESULT IN THE COSTLY REMOVAL OF STRUCTURES, TIME DELAYS, OR THE ISSUANCE OF A STOP WORK ORDER.



REVISIONS			
No.	Date	Remarks	By
04-08	1996	PER CITY OF ROANOKE REVIEW	CLW
04-22	1996	PER CITY OF ROANOKE REVIEW	CLW
05-24	1996	REV. SANITARY SEWER AND ADD ENTRANCES & UTILITY LATERALS FOR S. SIDE TOM ANDREWS RD.	CLW CLW
Designed By: <u>CLW</u>			
Drawn By: <u>CLW</u>			
Date: <u>02-23-96</u>			
W.O. # <u>95-0673</u>			
N.B. # <u>ANDREWS PROPERTY</u>			

SHEET INDEX

SHEET #	TITLE
1	COVER SHEET
2	SOIL EROSION AND SEDIMENTATION CONTROL PLAN AND DETAILS
3	PLAN & PROFILE - TOM ANDREWS ROAD EXTENSION AND NEW WATERLINE
4	STORM DRAIN AND SANITARY SEWER PROFILES - TOM ANDREWS RD. EXT.
5	SITE DIMENSIONAL LAYOUT AND LANDSCAPING PLAN
6	GRADING AND SITE UTILITIES PLAN
7	ROADWAY AND SITE CONSTRUCTION DETAILS
8	WATER CONSTRUCTION DETAILS
9	SANITARY SEWER CONSTRUCTION DETAILS

ANY VARIATION FROM APPROVED PLANS MUST BE APPROVED BY THE CITY OF ROANOKE

LEGEND

ABBREVIATIONS		SYMBOLS	
		EXISTING	NEW
AH/FH	ARROW HEAD TOP OF FIRE HYDRANT	100.5 E	100.5
APPROX	APPROXIMATE	----- 100 -----	----- 100 -----
BC	BOTTOM OF CURB	== 8"SS ==	== 8"SS ==
BIT	BITUMINOUS	--- 4"W ---	--- 4"W ---
BLDG	BUILDING	== 8"SD ==	== 8"SD ==
BW	BENCHMARK	--- 2"G ---	--- 2"G ---
BW	BOTTOM OF WALL	--- 2"G ---	--- 2"G ---
C&G	CURB & GUTTER	--- 2"G ---	--- 2"G ---
C&G	CORRUGATED METAL PIPE	--- 2"G ---	--- 2"G ---
C&G	CONCRETE	--- 2"G ---	--- 2"G ---
DI	DROP INLET	--- 2"G ---	--- 2"G ---
DIA	DIAMETER	--- 2"G ---	--- 2"G ---
DE	DRAINAGE EASEMENT	--- 2"G ---	--- 2"G ---
ELEC	ELECTRIC	--- 2"G ---	--- 2"G ---
ELEV	ELEVATION	--- 2"G ---	--- 2"G ---
ENTR	ENTRANCE	--- 2"G ---	--- 2"G ---
EP	EDGE OF PAVEMENT	--- 2"G ---	--- 2"G ---
EXIST	EXISTING	--- 2"G ---	--- 2"G ---
FDN	FOUNDATION	--- 2"G ---	--- 2"G ---
FF	FINISHED FLOOR	--- 2"G ---	--- 2"G ---
FG	FINISH GRADE	--- 2"G ---	--- 2"G ---
HP	HIGH POINT	--- 2"G ---	--- 2"G ---
INV	INVERT	--- 2"G ---	--- 2"G ---
IP	IRON PIN	--- 2"G ---	--- 2"G ---
LT	LEFT	--- 2"G ---	--- 2"G ---
MBL	MINIMUM BUILDING LINE	--- 2"G ---	--- 2"G ---
MH	MANHOLE	--- 2"G ---	--- 2"G ---
MIN	MINIMUM	--- 2"G ---	--- 2"G ---
MON	MONUMENT	--- 2"G ---	--- 2"G ---
PROP	PROPOSED	--- 2"G ---	--- 2"G ---
PUE	PUBLIC UTILITY EASEMENT	--- 2"G ---	--- 2"G ---
PVMT	PAVEMENT	--- 2"G ---	--- 2"G ---
R	RADIUS	--- 2"G ---	--- 2"G ---
RT	RIGHT	--- 2"G ---	--- 2"G ---
R/W	RIGHT OF WAY	--- 2"G ---	--- 2"G ---
REQD	REQUIRED	--- 2"G ---	--- 2"G ---
SAN	SANITARY	--- 2"G ---	--- 2"G ---
SD	STORM DRAIN	--- 2"G ---	--- 2"G ---
SECT	SECTION	--- 2"G ---	--- 2"G ---
SE	SLOPE EASEMENT	--- 2"G ---	--- 2"G ---
SS	SANITARY SEWER	--- 2"G ---	--- 2"G ---
SSE	SANITARY SEWER EASEMENT	--- 2"G ---	--- 2"G ---
STD	STANDARD	--- 2"G ---	--- 2"G ---
TBM	TEMPORARY BENCHMARK	--- 2"G ---	--- 2"G ---
TC	TOP OF CURB	--- 2"G ---	--- 2"G ---
TEL	TELEPHONE	--- 2"G ---	--- 2"G ---
TRANS	TRANSFORMER	--- 2"G ---	--- 2"G ---
TW	TOP OF WALL	--- 2"G ---	--- 2"G ---
TYP	TYPICAL	--- 2"G ---	--- 2"G ---
VDOT	VIRGINIA DEPARTMENT OF TRANSPORTATION	--- 2"G ---	--- 2"G ---
SPOT ELEVATION			
CONTOURS			
SANITARY SEWER LINE			
WATERLINE			
STORM DRAIN			
GAS LINE			
OVERHEAD ELECTRIC LINE			
OVERHEAD TELEPHONE LINE			
OVERHEAD CABLE TELEVISION LINE			
UNDERGROUND TEL OR ELEC LINE			
WATER OR GAS METER			
VALVE			
FIRE HYDRANT			
MANHOLE			
CLEANOUT			
DROP INLET (CURB OR GRATE)			
UTILITY POLE, GUY & ANCHOR			
DITCH OR SWALE			
CENTERLINE OR BASELINE			
PROPERTY LINE			
SURVEY TRAVERSE POINT			
YARD LIGHTING			
YARD HYDRANT			
BENCHMARK			
FENCE			
TREE LINE			
HANDICAPPED SPACE			

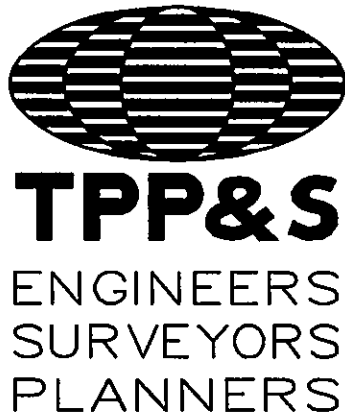
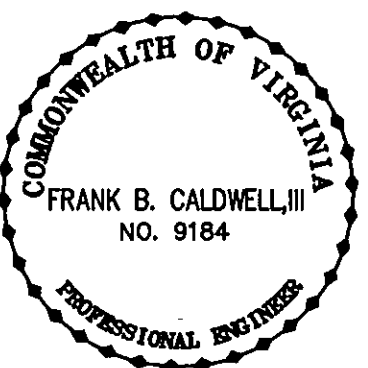
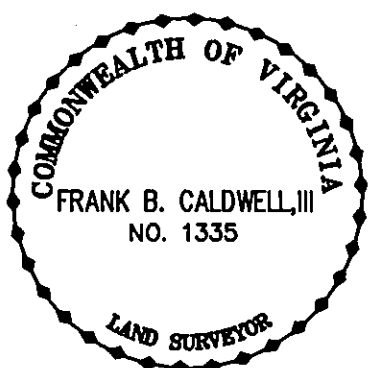
NAME OF DEVELOPMENT "GREAT COASTAL EXPRESS, INC."

LOCATION 3705 TOM ANDREWS ROAD, N.W. CITY OF ROANOKE, VIRGINIA

OWNER GREAT COASTAL EXPRESS, INC. 1401 WEST HUNDRED ROAD CHESTER, VA 23831 ATTN: MR. JOHN GROVER PHONE: (800) 444-4929 EXT. 6326

DEVELOPER SAME AS OWNER

CITY OF ROANOKE TAX PARCEL 6530101



T. P. PARKER & SON

816 Boulevard Post Office Box 39 Salem, Virginia 24153 Telephone: 540-387-1153 FAX: 540-389-5767

