ltem	Quantity	Unit	Unit Price	Bondable Cost
CLEARING AND GRUBBING		ACRES		
EXCAVATION		CY		
EMBANKMENT		CY		
CURB INLET DI-		EACH		
CURB INLET DI-	<u> </u>	EACH		
CORD INCE! OF		LAGI		
MANHOLE MH-		EACH		
MANHOLE MH-		EACH		
-IN. CONCRETE PIPE, CLASS		LF		
-IN. CONCRETE PIPE, CLASS	<u> </u>	· -		,. <u>.</u>
-IN. C.M. CULVERT		LF		
-IN. C.M. CULVERT		LF	<u> </u>	
BOX CULVERT		LS		
PAVED DITCH	<u> </u>	LF		<u> </u>
RIPRAP-CLASS	<u> </u>	SF	<u> </u>	
SONDED SWALE		SY	<u> </u>	
-IN CONCRETE ENDWALL, EW-		EACH	<u> </u>	
-IN. END SECTION, ES- DRIVEWAY, ENTRANCE TYPE	· · · · · · · · · · · · · · · · · · ·	EACH EACH	 	-
DRIVEWAL, ENTRANCE LIFE		EACH		
SIDEWALK, -FT. WIDE		LF		
HEADER CURB & GUTTER, CG-		LF		
CURB & GUTTER, CG-		LF		
VALLEY GUTTER		EACH		
PAVEMENT DESIGN				
CATEGORY		SY	 	
CATEGORY		SY	 	
STREET SIGNS		EACH		
-IN. WATER LINE		LF		
-IN. WATER LINE		LF		
FIRE HYDRANT ASSEMBLIES		EACH		
BLOW-OFFS w/VAULT, FRAME & COVER		EACH		
-IN. GATE VALVES W/VAULT, FRAME & COVER		EACH		<u> </u>
-IN. GATE VALVES W/VAULT, FRAME & COVER		EACH	<u> </u>	
SERVICE CONNECTIONS		EACH		
MISCELLANEOUS FITTINGS		EACH		8485 55
6 -IN. SANITARY SEWER	143.3	LF TE	15	2150.00
-IN. SANITARY SEWER	'	LF EACH	1500	150000
STD. MANHOLE W/FRAME & COVER	1	EACH	1500 350	_1500.00 350.00
SERVICE CONNECTIONS W/CLEANOUTS	24	EACH	10	240.00
PAVEMENT RESTORATION	44	SY	10	440.00
AS-BUILT PLANS		LS		250.00
SUBTOTAL				4490.00
CONTINGENCY		l l		450.00
ESTIMATED TOTAL				494000
				3440.0

GENERAL NOTES

ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE CONSTRUCTION STANDARDS AND SPECIFICATIONS OF ROANOKE CO. AND/OR THE VIRGINIA DEPARTMENT OF TRANSPORTATION.

THE CONTRACTOR OR DEVELOPER IS REQUIRED TO NOTIFY THE ROANOKE CO. 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. PLACING GRAVEL BASE.
- E. PLACING ANY ROADWAY SURFACE.
- F. INSTALLING SANITARY SEWER LINES

A PRECONSTRUCTION CONFERENCE SHOULD BE SCHEDULED WITH THE ROANOKE COUNTY ENGINEERING DIVISION, TO BE HELD AT LEAST ONE DAY PRIOR TO ANY CONSTRUCTION.

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.

A PERMIT MUST BE OBTAINED FROM THE VDOT RESIDENCY OFFICE, SALEM PRIOR TO CONSTRUCTION IN THE HIGHWAY RIGHT OF WAY.

PLAN APPROVAL DOES NOT GUARANTEE THE ISSUANCE OF ANY PERMITS BY VDOT. AN APPROVED SET OF PLANS AND ALL PERMITS MUST BE AVAILABLE AT THE CONSTRUCTION SITE

FIELD CONSTRUCTION SHALL HONOR PROPOSED DRAINAGE DIVIDES AS SHOWN ON PLANS

PAVEMENT SECTIONS ON APPROVED PLANS TRE BASED ON A MINIMUM CBR OF 10. CBR TESTS ARE TO BE ACQUIRED BY THE OWNER AND SUBMITTED TO THE VOOT AND TO THE COUNTY ENGINEERING DIVISION PRIOR TO PLACEMENT. CBR VALUES LESS THAN 10 WILL REQUIRE REVISED PAVEMENT SECTIONS.

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

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.

THE DEVELOPER OR CONTRACTOR SHALL PROVIDE THE COUNTY WITH CORRECT AS-BUILT PLANS BEFORE FINAL ACCEPTANCE.

ALL WORK SHALL BE SUBJECT TO INSPECTION BY ROANOKE CO. AND/OR VDOT

FIELD CORRECTIONS SHALL BE APPROVED BY THE ROANOKE COUNTY ENGINEERING DIVISION PRIOR TO SUCH CONSTRUCTION.

LOCATION OF UNDERGROUND UTILITIES IS BASED ON FIELD SURVEYS, AS SHOWN BY AVAILABLE RECORDS, AND AS LOCATED BY THE UTILITY LOCATOR SERVICE. CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.

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.

SHEET INDEX

SHEET #

TITLE

ARROW HEAD TOP OF

FIRE HYDRANT

BOTTOM OF CUP

BOTTOM OF WAL

CORRUGATED METAL PIPE

DRAINAGE EASEMENT

EDGE OF PAVEMENT

finished floof

BITUMINOUS

BUILDING

COVER SHEET PLAN & PROFILE SANITARY SEWER DETAILS

LEGEND

SYMBOLS

ABBREVIATIONS EXISTING SPOT ELEVATION 100 5 E MONUMENT ——(100)—— ---- 100 -----NORTH BOUND LANE SANITARY SEWER LINE ===8"SS==== PAYEMENT ——2⁻G —— RIGHT OF WAY OVERHEAD ELECTRIC LINE RAILROAD ----- 7 -----REAR YARD SETBACK SLOPE EASEMENT SANITARY SEWER EASEMENT STATION **─**─≪ STANDARD STORAGE DROP INLET (CURB OR GRATE) SIDE YARD SETBACK TEMPORARY BENCHMARI TELEPHONE CENTERLINE OR BASELINE TOP OF WALL VIRGINIA DEPARTMENT OF TRANSPORTATION WEST BOUND I ANE

APPROVE "AS-BUILT" FLANS DAIL 10/12/94

DEFLECTION ANGLE yard lichting

RAILROAD

HANDICAPPED SPACE

PROPERTY LINE

CONTOURS

OVERHEAD TELEPHONE LINE

WATER OR GAS METER

MANHOLE

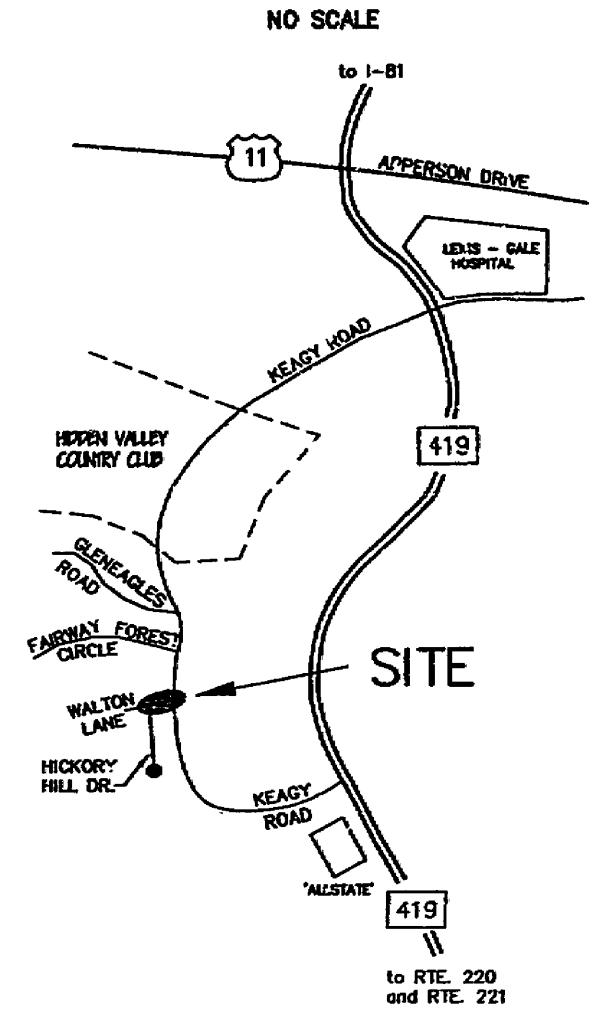
OVERHEAD CABLE TELEVISION LINE

UNDERGROUND TEL OR ELEC LINE

UTILITY POLE, GUY & ANCHOR

SURVEY TRAVERSE POINT

VICINITY MAP



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

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

HOUSE CONNECTIONS ARE TO BE MADE WITH 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 VIRGINIA DEPT. OF TRANSPORTATION STDS. LINES SHALL BE STAKED PRIOR TO CONSTRUCTION. IF NECESSARY.

ENGINEER'S NOTES

TP. PARKER & SON ASSUMES NO RESPONSIBILITY FOR ADEQUACY OF PLANS OR FOR INFORMATION ON PLANS UNTIL SUCH PLANS HAVE BEEN APPROVED BY

SOURCE OF TOPOGRAPHIC MAPPING IS: T.P. PARKER & SON

BOUNDARY SURVEY WAS PERFORMED BY: T.P. PARKER & SON

NAME OF DEVELOPMENT SANITARY SEWER EXTENSION

LOCATION

KEAGY ROAD & WALTON LANE ROANOKE COUNTY, VIRGINIA

OWNER

DR. NELSON B. GREENE

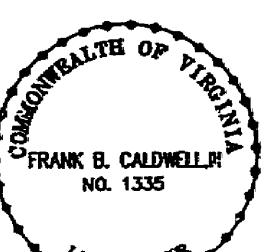
DEVELOPER

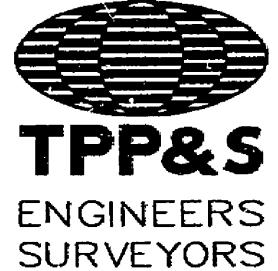
DR. NELSON B. GREENE

TAX NUMBER 67.17-01-02

OWNER/DEVELOPER, AM AWARE
OF THE SITE DESIGN REQUIREMENTS IMPOSED BY THIS SITE DEVELOPMENT PLAN AND OTHER APPLICABLE COUNTY CODES. I HEREBY CERTIFY
THAT I AGREE TO COMPLY WITH THESE REQUIREMENTS, UNLESS MODIFIED IN ACCORDANCE WITH LOCAL LAW.







T. P. PARKER & SON 816 Boulevard

Post Office Box 39 Salem, Virginia 24153 Telephone: 703-387-1153

Sheet 1 of 3

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.

DATED: NOVEMBER 19, 1993

DATED: NOVEMBER 19, 1993

REVISIONS Designed By: J.V.J. Drawn: _JVJ/CADD | 2-7-94 PER ROANOKE COUNTY'S 1-24-94 REVIEW LETTER Date: DEC. 27,1993 w.o. # 93-2094 N.B # _____JR-126

FRANK B. CALDWELL, III NO. 9184