STANDARD ROANOKE COUNTY CONSTRUCTION NOTES

ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE CONSTRUCT-ION STANDARDS AND SPECIFICATIONS OF ROANOKE COUNTY AND/OR THE VIRGINIA DEPARTMENT OF TRANSPORTATION.

THE CONTRACTOR IS REQUIRED TO NOTIFY THE ROANOKE COUNTY ENGINEERING DIVISION IN WRITING AT LEAST THREE(3) DAYS PRIOR TO ANY CONSTRUCTION, IN-CLUDING BUT NOT LIMITED TO THE FOLLOWING:

- A. INSTALLATION OF APPROVED EROSION CONTROL DEVICES
- CLEARING AND GRUBBING SUBGRADE EXCAVATION
- INSTALLING STORM SEWERS OR CULVERTS
- SETTING CURB AND GUTTER FORMS
- PLACING CURB AND GUTTER
- PLACING OTHER CONCRETE
- PLACING GRAVEL BASE
- PLACING ANY PAVEMENT SURFACES

> WITHIN THE PUBLIC RIGHT-OF-WAY ONLY

A PRECONSTRUCTION CONFERENCE SHOULD BE SCHEDULED WITH THE ROANOKE COUNTY ENGINEERING DEPARTMENT AT LEAST ONE DAY PRIOR TO ANY CONSTRUCTION THE SITEWORK 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 EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION, FOR DETAILS AND SPECIFICATIONS OF EROSION CONTROL ITEMS SHOWN ON THESE PLANS.

A LAND USE PERMIT MUST BE OBTAINED FROM THE VDOT SALEM RESIDENCY OFFICE PRIOR TO CONSTRUCTING IN THE PUBLIC RIGHT-OF-WAY.

AN APPROVED SET OF PLANS AND PERMITS MUST BE AVAILABLE AT JOB SITE.

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

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

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

FIELD CORRECTIONS SHALL BE APPROVED BY THE ROANOKE COUNTY ENGINEERING DEPARTMENT AND UTILITY DEPARTMENT PRIOR TO SUCH CONSTRUCTION.

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

GENERAL CONSTRUCTION NOTES

- 1. THE GENERAL CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS
- 2. ALL ELEVATIONS SHOWN ARE IN REFERENCE TO THE BENCHMARK SHOWN AND SHALL BE VERIFIED BY THE GENERAL CONTRACTOR.
- LOCATION OF UNDERGROUND UTILITIES IS BASED ON A FIELD SURVEY AND AVAILABLE RECORDS. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES AND NOTIFY ALL UTILITY COMPANIES PRIOR TO BEGINNING ANY ADDITIONAL CONSTRUCTION.
- THE SITEWORK CONTRACTOR SHALL COMPLY WITH LOCAL CODES IN OBSERVING EROSION CONTROL MEASURES BOTH ON AND OFF THE SITE. REFER TO THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK FOR DETAILS AND SPECIFICATIONS OF THOSE EROSION CONTROL ITEMS FOUND ON THESE DRAWINGS.
- SITE SHALL BE CLEARED AND GRUBBED AS REQUIRED WITHIN THE LIMITS OF CONSTRUC-TION, ALL DEBRIS SHALL BE REMOVED FROM THE SITE PRIOR TO PLACING ANY FILL. THE CONTRACTOR SHALL SAW-CUT ALL EXISTING PAVEMENT THAT IS TO BE REMOVED AND WHERE NEW CONSTRUCTION JOINS THE EXISTING.
- CONTRACTOR SHALL PROVIDE ALL SITE GRADING, GENERAL EXCAVATION, UTILITY TRENCH-ING & BACKFILLING AND FINISH GRADING AS INDICATED ON THE DRAWINGS. WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH VDOT STANDARD AND SPECIFICATIONS. ALL FILLS AND BACKFILLS SHALL BE UNIFORMILY COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR MAXIMUM DENSITY.
- CONTRACTOR SHALL PROVIDE AND INSTALL ALL STORM DRAINAGE PIPES AND STRUC-TURES AS INDICATED ON THE PLANS. ALL MATERIALS AND CONSTRUCTION OF SHALL BE IN CONFORMANCE WITH THE VDOT STANDARDS AND SPECIFICATIONS.
- CONTRACTOR SHALL PROVIDE AND INSTALL ALL PAVEMENT AND CURBING AS INDICATED. MATERIALS AND INSTALLATION OF SHALL BE IN CONFORMANCE WITH THE VDOT STAN-DARDS AND SPECIFICATIONS.
- CONTRACTOR SHALL PROVIDE AND INSTALL ALL UNDERGROUND UTILITIES AS INDICATED. ALL MATERIALS AND INSTALLATION OF SHALL CONFORM TO THE COUNTY OF ROANOKE STANDARDS AND SPECIFICATIONS AND THE VIRGINIA BOCA CODE.
- 10. ALL PARKING LOT STRIPING ON-SITE SHALL BE WHITE STANDARD TRAFFIC PAINT, LINES SHALL BE 4" WIDE, 20' LONG AND ON 10' CENTERS UNLESS OTHERWISE NOTED. ALL OTHER PAVEMENT MARKINGS SHALL BE WITH YELLOW STANDARD TRAFFIC PAINT.
- 11. ALL NEW SIGNAGE AND LIGHTING ERECTED ON-SITE SHALL CONFORM TO THE COUNTY OF ROANOKE ZONING ORDINANCE. ALL NEW LIGHTS, DIRECTIONAL SIGNS AND PRIME SIGN LOCATIONS ARE TO BE VERIFIED BY THE DIRECTOR OF UTILITY PRIOR TO INSTALLATION.
- 12. ALL EARTH SLOPES AND DENUDED AREAS SHALL BE SEEDED AND MULCHED AS REQUIRED. FOR STABILIZATION AS SOON AS PRACTICAL AFTER EXCAVATION OPERATIONS. SEE SHEET C-11 FOR SPECIFICATIONS FOR THE SEEDING REQUIREMENTS.

EXIT 132 NO SOUTH BOUND LEFT TURN INTO JOB SITE -DIXIE ___ CAVERNS JOB SITE HIGHWAY STORE PEACEFUL DRIVE SOUTH BOUND ROUTE TO JOB SITE TRAILERS

ROUTE TO THE TREATMENT SITE

			,		CIVIL L	EGEND	SYMBC	<u>)LS</u>
			ABBRE	VIATIONS	•	EXISTING	NEW	
		AHFH	ARROW HEAD TOP, OF	MIN MON	MINIMUM MONUMENT	100.5 Ł	FG=100.5	SPOT ELEVATION
		APPROX	APPROXIMATE	NBL	NORTH BOUND LANE	100 %		CONTOUR (TPPS SURVEY)
		ASPH	ASPHALT	PROP	PROPOSED	100	• •	CONTOUR (PHASE I GRADING)
- 1	•	BC .	BOTTOM OF CURB	PUE	PUBLIC UTILITY EASEMENT		100	CONTOUR (PROPOSED)
- 1		BIT BLDG	BITUMINOUS BUILDING	PVMT R	PAVEMENT RADIUS	=== 8"SS===	==== 8"SS=====	SANITARY SEWER LINE
ı		BLK	BLOCK	RT	RIGHT	4"W		WATERLINE
-		BM	BENCHMARK	R/W	RIGHT OF WAY			•
l		BW	BOTTOM OF WALL	REQD	REQUIRED	==8"SD==		STORM DRAIN
- 1		CB C&G	CINDER BLOCK CURB & GUTTER	RR RYS	RAILROAD REAR YARD SETBACK	2"G	2 "G	GAS LINE
- 1		CMP	CORRUGATED METAL PIPE .	SAN	SANITARY	E	E	OVERHEAD ELECTRIC LINE
		CONC	CONCRETE	SBL	SOUTH BOUND LANE	T	· T	OVERHEAD TELEPHONE LINE
1		COR	CORNER	SD	STORM DRAIN	CATV	(: A T) /	•
- 1		DBL	DOUBLE	_	- SECTION	and the second of the second o	(`ATV 	OVERHEAD CABLE TELEVISION LINE
- 1		DEFL DI	DEFLECTION DROP INLET	SE SS	SLOPE EASEMENT / SANITARY SEWER	— UE —— UT—	UE UT-	UNDERGROUND TEL OR ELEC LINE
- 1		DIA	DIAMETER	SSE	SANITARY SEWER EASEME	NT M	M	WATER OR GAS METER
ł		DE	DRAINAGE EASEMENT	STA	STATION	→		VALVE
- 1		EBL	EAST BOUND LINE	STD	STANDARD	A Section 1	.	
- {		ELEC	ELECTRIC	STO	STORAGE	→		FIRE HYDRANT
		ELEV ENTR	ELEVATION ENTRANCE	SYS TBM ·	SIDE YARD SETBACK TEMPORARY BENCHMARK			MANHOLE
1		EP	EDGE OF PAVEMENT	TC .	10P OF CURB	O C.O.	C.O.	CLEANOUT
		EW	ENDWALL	TEL	TELEPHONE		578 m	DROP INLET (CURB OR GRATE)
		EXIST	EXISTING	TRANS	TRANSFORMER			•
1		FDN ,	FOUNDATION	TW	TOP OF WALL	. ♦ 11 11 1 1	**	UTILITY POLE, GUY & ANCHOR
ı		FF HPT	FINISHED FLOOR HIGH POINT	TYP VDOT	TYPICAL VIRGINIA DEPARTMENT OF			DITCH OR SWALE
- 1		INV	INVERT	V DO1	TRANSPORTATION		Q	CENTERLINE OR BASELINE
		IP	IRON PIN	VERT	VERTICAL	: *	P	PROPERTY LINE
		LT '	LEFT	WBL	WEST BOUND LANE	Δ	Λ	SURVEY TRAVERSE POINT
l		MBL	MINIMUM BUILDING LINE	YD	YARD	\triangle	Δ	
	٠,	МН	MANHOLE			X.	4.	DIRECT ANGLE
							□ -+- □	YARD LIGHTING
						A		BENCHMARK .
						X X	x x	FENCE
				•			- · · · · · · · · · · · · · · · · · · ·	
l				•	•			TREE LINE
			•		Y		& ,	HANDICAPPED SPACE
	•				,		.*	
- 1			-)				

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 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 SANITARY SEWER CONSTRUCTED SHALL BE IN ACCORDANCE WITH STANDARD COUNTY OF ROANOKE SPECIFICATIONS AND DETAILS.

LATERALS FROM MANHOLES SHALL BE P.V.C. OR DUCTILE IRON OF SUFFICIENT LENGTH TO PROVIDE TWO (2) FEET OF BEARING ON NATURAL GROUND. THE TRANSITION FROM DUCTILE IRON TO ASBESTOS CEMENT OR P.V.C. PIPE SHALL BE MADE WITH AN ADAPTOR COUPLING IN THE RIGHT OF WAY.

ALL TRENCHES IN EXISTING OR FUTURE HIGHWAY RIGHT OF WAYS SHALL BE COMPACTED ACCORDING TO VIRGINIA DEPT. OF TRANSPORTATION STANDARDS.

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

CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND UNCOVERING VALVE

ALL EXISTING UTILITIES MAY NOT BE SHOWN, OR MAY NOT BE SHOWN IN THE EXACT LOCATION. THE CONTRACTOR SHALL COMPLY WITH STATE WATER WORKS

ALL TRENCHES IN EXISTING OR FUTURE HIGHWAY RIGHT OF WAYS SHALL BE COMPACTED ACCORDING TO VIRGINIA DEPT. OF TRANSPORTATION STANDARDS.

ALL WATERLINE SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD

VAULTS AFTER PAVING AND ADJUSTMENT TO FINAL GRADE IF NECESSARY.

WATER NOTES

LINES SHALL BE STAKED PRIOR TO CONSTRUCTION.

REGULATIONS, SECTION 12.05.03, WHERE LINES CROSS.

LINES SHALL BE STAKED PRIOR TO CONSTRUCTION.

COUNTY OF ROANOKE SPECIFICATIONS AND DETAILS.

INSPECTOR'S AS-BUILTS 1995

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

T.P. P'ARKER & 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 T.P. PARKER & SON DATED SEPT., 1991

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



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			S						✓ 1/
Designed By: J.V.J.	,			RE	VISIONS				
- WI/CADD	No.	Date			Remarks		Ву	4.	
Drawn By: JVJ/CADD	1	3-14-94	REVISED	PER	RKE. CO. & VDOT	REVIEW	J.J.		
Date: JULY 21,1993	2	9-22-94	REVISED	PER	RKE. CO. UTILITY	DEPT.	J.J.		
			**			in			

NAME OF DEVELOPMENT

ROANOKE COUNTY WATER TREATMENT FACILITY

U.S. ROUTES 11 & 460 CATAWBA MAGISTERIAL DISTRICT COUNTY OF ROANOKE, VIRGINIA

OWNER

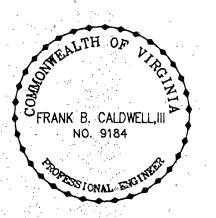
ROANOKE COUNTY BOARD OF SUPERVISORS

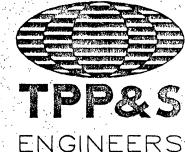
DEVELOPER

ROANOKE COUNTY UTILITY DEPARTMENT

TAX MAP #(S) 72.02-02-3.1

THE SITE DESIGN REQUIREMENTS IMPOSED BY THIS SITE DE-VELOPMENT PLAN AND OTHER APPLICABLE COUNTY CODES. I HEREBY CERTIFY THAT I AGREE TO COMPLY WITH THESE RE-QUIREMENTS, UNLESS MODIFIED IN ACCORDANCE WITH LOCAL LAW.





T. P. PARKER & SON

816 Boulevard SURVEYORS PLANNERS

Post Office Box 39 Salem, Virginia 24153 Telephone: 703-387-1153 F&X: 703-389-5767

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