ADOUT	ABBREVIATIONS			LEGEND			SUMMARY OF QUANTITIES			
_ ABOUT			PVMT PAVEMENT	EXISTING	NEW	DESCRIPTION	ITEM	DESCRIPTION	UNIT	QUANTITY
ABOUT T. ABUTMENT ABOVE	ELEC ELECTRIC, ELECTRIC, ENTR ENTRANCE EP EDGE OF PAVEMENT		ø ROUND (DIAMETER) R RIGHT						VIIII	ACTUAL PRO
ADJACENT R AGGREGATE	EW END WALL, EACH WA	AY	R/W RIGHT OF WAY RAD RADIUS		s	ABANDON EXST UTILITY	1	MOBILIZATION	LS	
ALTERNATE	FES FLARED END SECTION FHYD FIRE HYDRANT	N	RCP REINFORCED CONCRETE PIPE RD ROAD				2	54" SANITARY SEWER, DEP		
ROX APPROXIMATE H ASPHALT	FIN. FINISH FL FLOOR		REINF REINFORCEMENT, REINFORCE REQD REQUIRED			BUILDING AND PORCH OR STOOP	7	54" SANITARY SEWER, DEP		4
BOTTOM OF CURB BETWEEN	FLEX. FLEXIBLE FM FORCE MAIN		REV REVISION S SOUTH, SANITARY SEWER		 	BEND W/O TEE MH	3	* •••	•	
M BITUMINOUS BASE LINE	F&C FRAME AND COVER		SAN SANITARY SCHED SCHEDULE	6	c — - — — —	CENTER LINE	4	54" SANITARY SEWER, DEP		1
G BUILDING BLOCK	G GAS, GAS MAIN OR GALV GALVANIZED	SERVICE LINE	SD STORM DRAIN	<u> </u>	ሂ		5	48" SANITARY SEWER, DEP		12
BELOW BENCH MARK	GM GAS METER GND GROUND		SF SILT FENCE			CONCRETE CURB	6	48" SANITARY SEWER, DEP		30
BOTTOM BEARING	GR GRADE GRT GROUT		SIM SIMILAR SMH SANITARY MANHOLE			CONCRETE CURB AND GUTTER	7	48" SANITARY SEWER, DEP	TH 16'-20' LF	5
BRICK O C CENTER TO CENTER	GTV GATE VALVE GVL GRAVEL		SPEC SPECIFICATION SQ SQUARE	EP EP		PAVEMENT	8	36" SANITARY SEWER	LF	
G CURB & GUTTER CATCH BASIN	HDWL HEADWALL HGT HEIGHT		SS SANITARY SEWER SST STAINLESS STEEL			ASPHALT CONCRETE OVERLAY	9	24" SANITARY SEWER	LF	
CHAIN CHISELED	HORIZ HORIZONTAL HPG HIGH PRESSURE GAS	6	ST STREET STA STATION			ACCRECATE POARWAY	10	12" SANITARY SEWER	LF	
CAST IRON CAST IN PLACE	HPT HIGH POINT	3	STD STANDARD STL STEEL			AGGREGATE ROADWAY	11	10" SANITARY SEWER	 LF	2
© CENTER LINE	HYD HYDRANT ID INSIDE DIAMETER		STOR STORAGE STR STRAIGHT			TRAIL	11			
CORRUGATED METAL PIPE	IN. INCH INV INVERT		STRL STRUCTURAL STRUC STRUCTURE	<u></u>		TREE LINE	12	8" SANITARY SEWER	LF	
CONCRETE MASONRY UNITS CONDUIT	IP IRON PIN JB JUNCTION BOX	,	SUBSTA SUBSTATION SW SIDEWALK			INDIVIDUAL TREE OR SHRUB	13	54" TEE MANHOLE TEE SEC		
CLEANOUT C CONCRETE	L LEFT LAT LATERAL		SY SQUARE YARD T TELEPHONE				14	48" TEE MANHOLE TEE SEC	TION EA	
N CONNECT, CONNECTION ST CONSTRUCTION	LF LINEAR FOOT, LINEA LS LUMP SUM	R FEET	T&B TOP AND BOTTOM	_x_/ _x_		FENCE AND GATE	15	TEE MANHOLE RISER	VF	1
T CONTINUOUS, CONTINUATION TR CONTRACT, CONTRACTOR	LT LIGHT M METER		TB TEST BORING TBM TEMPORARY BENCH MARK			Ç OF SWALE OR DITCH	16	STANDARD MANHOLE (4' DI	A) VF	
RD COORDINATE CORNER	MATL MATERIAL MAX MAXIMUM		TC TOP OF CURB TEL TELEPHONE			_	10	· .		
COVER CENTER	MET. METAL MFR MANUFACTURER		TMP TAX MAP PARCEL TN TON			PROPERTY LINE	1/	STANDARD MANHOLE (6' DI		
CULVERT DIRECT BURIAL CABLE	MH MANHOLE		TOC TOP OF CONCRETE TOT. TOTAL	①		PROPERTY CORNER (IRON PIN FOUND)	18	DROP CONNECTION, 6" & 8		
DEED BOOK DEFLECTION	MISC MISCELLANEOUS		TS TRAVERSE STATION TW TOP OF WALL	IP IP		(IIVON TIN LOOND)	19	DROP CONNECTION, 10" DIA	EA	
DEFECTION DEGREE DEPARTMENT	MON MONUMENT N NORTH		TYP TYPICAL UG UNDERGROUND			SEWER EASEMENT	20	DROP CONNECTION, 12" DIA	EA	
DETAIL	N & D NA!L AND DISC NIC NOT IN CONTRACT		UNO UNLESS NOTED OTHERWISE V VALVE			TEMPORARY	21	TINKER CREEK SIPHON CRO	SSING LS	
DROP INLET DIAMETER	NO., NOS NUMBER, NUMBERS NTS NOT TO SCALE		VF VERTICAL FOOT W WEST, WATER MAIN OR SERVICE LINE		ı TD	CONSTRUCTION EASEMENT	22		LS	
DIMENSION DUCTILE IRON PIPE	OC ON CENTER OPNG OPENING		W/ WITH W/O WITHOUT		-	TEST BORING		JUNCTION BOX S28		<u> </u>
DROP MANHOLE DOWN	OVHD OVERHEAD P POLE		WM WATER METER		1	CTODA DOMIN	23	JUNCTION BOX S30	LS	
DOOR, DRIVE L DWELLING	PG. PAGE PL PROPERTY LINE		WP WATER PROOF WS WATER SURFACE		— ⊸ SD ——	STORM DRAIN	24	JUNCTION BOX S32	LS	, , , , , , , , , , , , , , , , , , ,
DRAWING EAST	PPL PETROLEUM PIPE LIN PC PRESSURE CLASS	NE	WT WATERTIGHT WTR WATER	s	\$	SANITARY SEWER	25	JUNCTION BOX S38	LS	
EACH ELEV ELEVATION	PCCP PRESTRESSED CONC PVC POLYVINYLCHLORIDE	CYLINDER PIPE	XFMR TRANSFORMER YHYD YARD HYDRANT			WATER MAIN OR CERVICE LINE	26	JUNCTION BOX S41	LS	
	GENERAL					WATER MAIN OR SERVICE LINE	27	JUNCTION BOX S45	LS	
	GLINLINAL	NOTES				GAS MAIN OR SERVICE LINE	28	JUNCTION BOX S46	LS	
				——Р		PETROLEUM PIPE LINE				
POGRAPHIC INFORMATION IS BASED ON AERIAL ROANOKE,SUPPLEMENTED BY FIELD SURVEY	PERFORMED BY HSMM IN 1995.	10. CONSTRUCT SANITARY SEW PROFILE LENGTHS ARE TA	ER ACCORDING TO INDICATED INVERT ELEVATIONS. IEN TO STRUCTURE LOCATION POINTS AND INCLUDE VES.				29	JUNCTION BOX S49	LS	
RIZONTAL DATUM IS NORTH AMERICAN DATUM	/ OF 1983. VERTICAL DATUM IS			——⊗——		VALVE IN BOX, MANHOLE OR VAULT	30	JUNCTION BOX S57	LS	
ICAL CITY DATUM.	INDICATED DACED ON AVAILABLE	CONTROLS, AND INCIDENTA	F FLOWS AT ALL TIMES. PROVIDE PUMPS, PIPES, LS REQUIRED TO MAINTAIN FLOW.	1			31	AUTHORIZED OVEREXCAVATI	ON CY	4
ISTING UTILITIES AND THEIR LOCATIONS ARE IN FORMATION; HOWEVER, NOTHING IN THE CONTR INSTRUED AS A GUARANTEE THAT THESE LITE	RACT DOCUMENTS SHALL BE	12. THE AREAS ALONG TINKER	CREEK ARE WITHIN THE REGULATORY 100-YEAR	——————————————————————————————————————)	HYDRANT ASSEMBLY, NOTED YHYD OR FHYD	32	RIP RAP, VDOT CLASS II	SY	8
NSTRUED AS A GUARANTEE THAT THESE UTIL E IN THE LOCATION INDICATED, OR THAT OTH KE ALL INVESTIGATIONS NECESSARY TO DETE	IER UTILITIES DO NOT EXIST.	ROANOKE COUNTY, VIRGIN' ARE INCLUDED IN THE PR	FILES FROM THE <u>FLOOD INSURANCE STUDY OF</u> A AND INCORPORATED AREAS, OCTOBER 15, 1995, DECT MANUAL FOR CONTRACTOR'S INFORMATION.	_		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	33	SELECT FILL	CY	61
CATION OF EXISTING UTILITIES. PAY FOR ANY DEPOTECTION OF EXISTING UTILITIES.	Y DAMAGE TO AND MAINTENANCE	TAKE WHATEVER STEPS AF	E NECESSARY TO PROTECT THE WORK AND MAINTAIN DURING STREAM FLOOD EVENTS.	500	5	MANHOLE	34	AGGREGATE BASE	SY	18
NTACT "MISS UTILITY" (1-800-552-7001) A	MINIMUM OF 48 HOURS PRIOR TO	13. COMPLY WITH THE REQUIR!	MENTS CONTAINED IN THE PROJECT MANUAL				35	ASPHALT BASE	SY	21
MMENCING EXCAVATION.		RAILWAY PROPERTY, PLAN			=	STORM DRAIN INLET STRUCTURE				
			INITY OF TINKER CREEK, NORFOLK & WESTERN TATION PIPELINE FACILITIES, AND ROANOKE	· · · · · · · · · · · · · · · · · · ·	 -			A ORILLI T. OUDEA OF	SY	
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