

THIS SHEET FOR UTILITY RELOCATION/ADJUSTMENT/BETTERMENT FOR WATER AND SEWER

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT
	3	VA.		//	0011-080-108,C5

SHEET NO.	WATER MAIN SUMMARY																														
	WATER SERVICE LINE		DI WATER MAIN					GATE VALVE & BOX		GATE VALVE & MANHOLE				BUTTERFLY VALVE & MANHOLE	FIRE HYDRANT	WATER METER BOX & YOKE		ADJUST EXIST. VALVE BOX	CONC. ENCASE.	TAPPING SLEEVE VALVE & MANHOLE		BEND		BRANCH	REDUCER	AIR RELEASE VALVE & MANHOLE		PRESSURE REDUCING VALVE VAULT	METER VAULT	BULK METER VAULT	RELOCATE EXISTING METER VAULT
	1"	2"	6"	8"	12"	16"	24"	2"	6"	4"	6"	8"	12"	16"		1"	2"	2	11	16"X6"	8"X8"	16"	24"	16"	24"	1"	2"	13	14	15	16
	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
21(3)		101				272		1						1			1				4		2	1						1	
21(4)	154		7	170		782		1				1'			1	15					17		2			1					
21(4D)																	1														
21(5)	10		14	401		780		2				2'		1	2	2					2		3			2					
21(5D)				187																1											
21(6)	5		9			750		1							1	1						1				1					
21(7)	10			327		762						1'		1		1					1		1			1					
21(7B)				133																1						1					
21(8)			26		394	836		1	1			1'	3	12					38			19		5		2					1
21(8D)					78																										
21(9)	21	366	148			800		2	1		1				1	2	2						24			1					
21(10)	188				157	767							1	1		13			25			86		12		1					
21(11)	11	15	47	267		800			1			2'			1	23					2		3			1	1		2		
21(12)	102		13	392		800			2			2'		2	2	84					1		3			1					
21(12D)				251								1'																			
21(13)	122		14	102		778		2				1'		1	2	3						2		2			2				
21(14)	152		26			881		1						23	1	3			21			12		2			1			1	
21(15)	147		7			780		1						1	1	12							1			1					
21(16)	131	15	7			780		1	1					10	1	2					5		12								
21(17)	110		7			568	20		1					12	1	3					2	2	2	1			1				
21(17C)																															
21(18)			9					1							1					1											
TOTAL	1343	497	334	2230	629	11136		2	16'	1	1'	11'	4'	1315		2834				1		873	2	2	35					2	1

SHEET NO.	SANITARY SEWER SUMMARY																									
	2" SANITARY FORCE MAIN		RECONST. EXIST. SANITARY MANHOLE		SAN. SERVICE LATERAL CONNECTION				SANITARY SEWER PIPE				D.I. SANITARY SEWER PIPE		SANITARY SEWER MANHOLE		ADJUST EXIST. FRAME & COVER		MANHOLE FRAME & COVER F&C-1		SEWER CLEANOUT		SANITARY SEWER PRESSURE LATERAL ASSEMBLY		8" SANITARY DROP CONNECTION	
	20		9	4"	6"	4"	6"	8"	12"		8"	12"	8	9	7		9	4"	6"	10	22		9			
	LF		LF	LF	LF	LF	LF	LF	LF		LF	LF		LF	EA		EA		EA	EA		EA		LF		
21(3)								43				362	22				3									
21(4)	211				108			32				776	39				4		2							
21(4D)							182	388			266		25				3		4							
21(5)					179			53	770	119	58	68					7	1	2							
21(6)									262		44	15		1	2											
21(7)			2											2												
21(8)			2		64				366		47	10.5					1		1							
21(8D)								169		76			26				2						4			
21(10)											62	32					2									
21(11)					16					77	902	90	1	7			2									
21(12)				8	12			23		242	802	78					6	1	3							
21(13)					30					96	778	54					4		2							
21(14)					79			280		92	499	53					6		3							
21(15)						6		91		127		14					2	1								
21(17)							65	144		114		13					2		1							
21(17C)	240						86	583				56					6		5		1					
21(18)																										
TOTAL	451		4	8	488	6	333	1806	1398	1209	4330	596	4		57	3	25		1				4			

Signed and sealed by:
Bradley C. Craig
Virginia License No. 23789
On this date of:
MAY 16, 2009
A copy of the original signed and sealed sheet is available. The seal applies to sheets 21(1) through 21(38), 21(1A), 21(4D), 21(5D), 21(7B), 21(8D), 21(12D), 21(17C), 21(19A)

