



Bradley C Craig  
2015.11.24 16:24:35 -05'00'  
MATTERN & CRAIG, INC  
Roanoke, Virginia  
(UTILITY ENGINEER)

REVISED	STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
	VA.			U000-128-V12, C-503,C-504	23(1)

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

SHEET NO.	WATER MAIN SUMMARY																							
	WATER SERVICE LINE	2" WATER MAIN		D.I. WATER MAIN			6" GATE VALVE & BOX				GATE VALVE & MANHOLE				FIRE HYDRANT	WATER METER BOX & YOKE	TAPPING SLEEVE VALVE & MANHOLE			AIR RELEASE VALVE & MANHOLE		CONCRETE ENCASEMENT	6" OFFSET EXIST PIPE	2" BLOW-OFF VALVE & MANHOLE
	1"	1	1	6"	8"	12"	2"	6"	8"	12"	3	5/8"	6"x6"	8"x8"	12"x12"	1"	2"	11	1	13				
	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
23(3)	96			28	212	190	1				1													
23(4)	261			588	382						2	1												
23(4D)				9										1									40	
23(5)	291			359		803	3			2			7	3	6									1
23(6)	216			163		703	1			3			2	1	12									
23(7)	122			173	72	811	3			2	1	2	3	8										1
23(8)	51	74		19	105	552				1	1	1	4		2		1					44		1
TOTAL	1037	74		1339	771	3059	8	1	10	4	15	9		39	1	1	1	3	2		44		40	3

SHEET NO.	SANITARY SEWER SUMMARY										
	RECONSTR. EXIST. SANITARY MANHOLE	D.I. SANITARY SEWER PIPE				SANITARY SEWER MANHOLE	ADJUST. EXIST. FRAME & COVER	MANHOLE FRAME & COVER F&C-1	4" SAN. SERVICE LATERAL CONNECTION	4" SEWER CLAENOUT	
	8	8"	10"	12"	24"	8	6	8	7	7	
	LF	LF	LF	LF	LF	LF	EA	EA	LF	EA	
23(3)	2	119				7.9	1	1	57	1	
23(4)		439	493			70.5		10			
23(4D)			167	202		25.5		3			
23(5)		165	874			77.4	1	10	26	1	
23(6)		88				20.6	2	3	49	2	
23(7)		348				54.2	1	6	29	2	
23(8)	7.8	58	54		334	35.8	1	3			
TOTAL	10	1217	1588	202	334	292	6	36	181	6	

SHEET NO.	MISC. STONE SUMMARY
	AGGREGATE BASE MATERIAL TYPE 1 - NO. 21B (UTILITY STONE BACKFILL)
	TON
23(3)	
23(4)	
23(4D)	
23(5)	
23(6)	
23(7)	
23(8)	
TOTAL	9842

SURVEYED BY: JEFF BRAGDON (604) 786-8025  
 SUPERVISED BY: BRADLEY C. CRAIG, MATERN & CRAIG INC. (540) 345-9342  
 CADD OPERATOR: MATERN & CRAIG, INC. (540) 345-9342  
 REVISED BY:

VDOT 10<sup>th</sup> St. Phase I

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
	U000-128-113		23(1)

As-Builts 4.2.18

K. Winslow / E.C. Pace