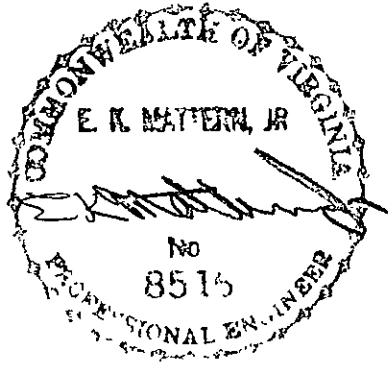


SUMMARY OF QUANTITIES				
ITEMS	UNIT	QUANTITY		
		ACTUAL	PROPOSAL	
36" PIPE - IN PLACE, ALL DEPTHS	LF	4,181	4,599	
36" DUCTILE IRON PIPE - IN PLACE, ALL DEPTHS	LF	10	11	
30" DUCTILE IRON PIPE - IN PLACE, ALL DEPTHS	LF	442	486	
27" PIPE - IN PLACE, ALL DEPTHS	LF	6,396	7 036	
24" PIPE - IN PLACE, ALL DEPTHS	LF	1,675	1,843	
24" DUCTILE IRON PIPE - IN PLACE, ALL DEPTHS	LF	49	54	
12" PIPE - IN PLACE, ALL DEPTHS	LF	2,236	2,454	
12" DUCTILE IRON PIPE - IN PLACE, ALL DEPTHS	LF	43	47	
12" PVC PIPE - IN PLACE, ALL DEPTHS	LF	190	209	
8" PIPE - IN PLACE, ALL DEPTHS	LF	165	181	
RAILROAD CROSSING @ STATION 20+50 - TUNNELLED	LF	71	71	
RAILROAD CROSSING @ STATION 125+00 OPEN CUT	LF	110	110	
MANHOLE BARREL (ALL DIAMETERS)	VF	606	667	
NON - WATERTIGHT MANHOLE FRAME & COVER (STD)	EA	39	39	
WATERTIGHT MANHOLE FRAME & COVER	EA	22	22	
ROCK EXCAVATION	CY	9,806	10,786	
TINKER CREEK INVERTED SIPHON CROSSING	LS	1	1	
15' CULVERT PIPE - IN PLACE ALL DEPTHS — CMP	LF	70	70	
BITUMINOUS SURFACE PAVEMENT REPLACEMENT	SY	2,324	2,557	
BITUMINUOUS SURFACE CAP	SY	3,531	3,885	
SURFACE TREATMENT PAVEMENT REPLACEMENT	SY	351	386	
SURFACE TREATMENT CAP	SY	559	615	
SERVICE CONNECTIONS	LF	148	163	
TRENCH STABLIZATION MATERIAL, INCL EXCAVATION	TN	180	198	
8" DUCTILE IRON PIPE - IN PLACE, ALL DEPTH	LF	18	20	
18" CULVERT PIPE—IN PLACE ALL DEPHS—RCP	LF	6	6	
ALTERNATE ITEM				
RAILROAD CROSSING @ STATION 20+50 — BORED & JACKED				
CASING ADD OR DEDUCT	LF	71	71	

TYPE OF PIPE BID — PARALLELING BASE LINE "A" _____

TYPE OF PIPE BID — PARALLELING BASE LINE "B" _____



REVISION	DATE	DESCRIPTION	BY	APP
DESIGNED		GLADE CREEK SANITARY SEWER INTERCEPTOR		
DRAWN MTA				
CHECKED SWH				
APPROVED JWC		CITY OF ROANOKE, VIRGINIA		
SUBMITTED JWC				
Mattern and Craig CONSULTING ENGINEERS ROANOKE, VIRGINIA		SCALE NONE	COMM. NO. 329	
		DATE FEB. 1980	SHEET 2	