BBBC = BONDED BY BOTETOURT COUNTY
BBRC = BONDED BY ROANOKE COUNTY

QUANTITY + COST ESTIMATE PHASE I

ITEM	QUANTITY	UNIT	UNIT PRICE	COST	BONDABLE
CLEARING AND GRUBBING		ACRES			
EXCAVATION		C.Y.			
EMBANKMENT		C.Y.			
STORM DRAIN – BBBC					
CURB INLET DI– 3B	14	EACH	$1500.00	$21000.00	
CURB INLET DI– 4B	3	EACH	$1800.00	$5400.00	
VDOT DI–7	1	EACH	$1800.00	$1800.00	
MANHOLE MH–		EACH			
MANHOLE MH– STORM DRAIN	1	EACH	$1500.00	$1500.00	
15 –IN. HDPE	265	LIN. FT.	$20.00	$5300.00	
18 –IN. HDPE	705	LIN. FT.	$22.00	$15510.00	
24 –IN. HDPE	905	LIN. FT.	$26.00	$23530.00	
30 –IN. HDPE	830	LIN. FT.	$32.00	$26560.00	
36 –IN. HDPE	260	LIN. FT.	$20.00	$5200.00	
48 –IN. RCP CLASS III	270	LIN. FT.	$45.00	$12150.00	
SUBTOTAL				$117,950.00	
BOX CULVERT		LUMP SUM			
PAVED DITCH		LIN. FT.			
RIPRAP – CLASS		S.F.			
SODDED SWALE		S.Y.			
–IN. CONCRETE ENDWALL EW–		EACH			
–IN. END SECTION ES–		EACH			
ROADWAY – BBBC					
HEADER CURB & GUTTER CG–		LIN. FT.			
CURB & GUTTER CG–6	5,910	LIN. FT.	12	$70,920.00	
VALLEY GUTTER		EACH			
GRAVEL BASE		S.Y.			
GRAVEL SHOULDER		S.Y.			
SURFACE TREATMENT		S.Y.			
–IN. BIT. CONC.: TYPE B–		S.Y.			
–IN. BIT. CONC.: TYPE SM2A	1,290	TONS	$40.00	$51600.00	
9 –IN. BASE MATERIAL 21–B	5,650	TONS	$12.00	$67800.00	
–IN. SUBBASE MATERIAL		C.Y.			
SUBTOTAL				$190,320.00	
WATER SYSTEM – BBRC					
8" WATER LINE	4000	LIN. FT.	$15.88	$63,500.00	
6" WATER LINE		LIN. FT.	$18.00		
FIRE HYDRANT ASSEMBLIES	5	EACH	$1500.00	$7500.00	
BLOW OFFS W/VAULT, FRAME & COVER	2	EACH	$1000.00	$2000.00	
8 –IN. GATE VALVES, W/VAULT, FRAME & COVER	9	EACH	$1500.00	$13,500.00	
–IN. GATE VALVES, W/VAULT, FRAME & COVER		EACH			
8 – IN. WET TAP	1	EACH	$4000.00	$4000.00	
8 – IN. LINE (AIR RELEASE VALVE)	1	EACH	$1500.00	$1500.00	
SUBTOTAL				$92,000.00	
8" SANITARY SEWER – BBBC	3750	LIN. FT.	$30.00	$112500.00	
STANDARD MANHOLE W/FRAME & COVER	20	EACH	$1500.00	$30000.00	
SAMPLING MANHOLE/PORT		EACH			
SUBTOTAL				$142,500.00	
AS–BUILT PLANS		LUMP SUM	$1000.00	$1000.00	
STORMWATER MANAGEMENT		LUMP SUM			
SUBTOTAL				$543,770.00	
10% CONTINGENCY				$54,377.00	
ESTIMATED TOTAL				$597,147.00	

I HEREBY CERTIFY THAT THE FOREGOING ESTIMATE REFLECTS THE CURRENT IMPROVEMENT COSTS OF THIS PROJECT.
SIGNED: DATE:

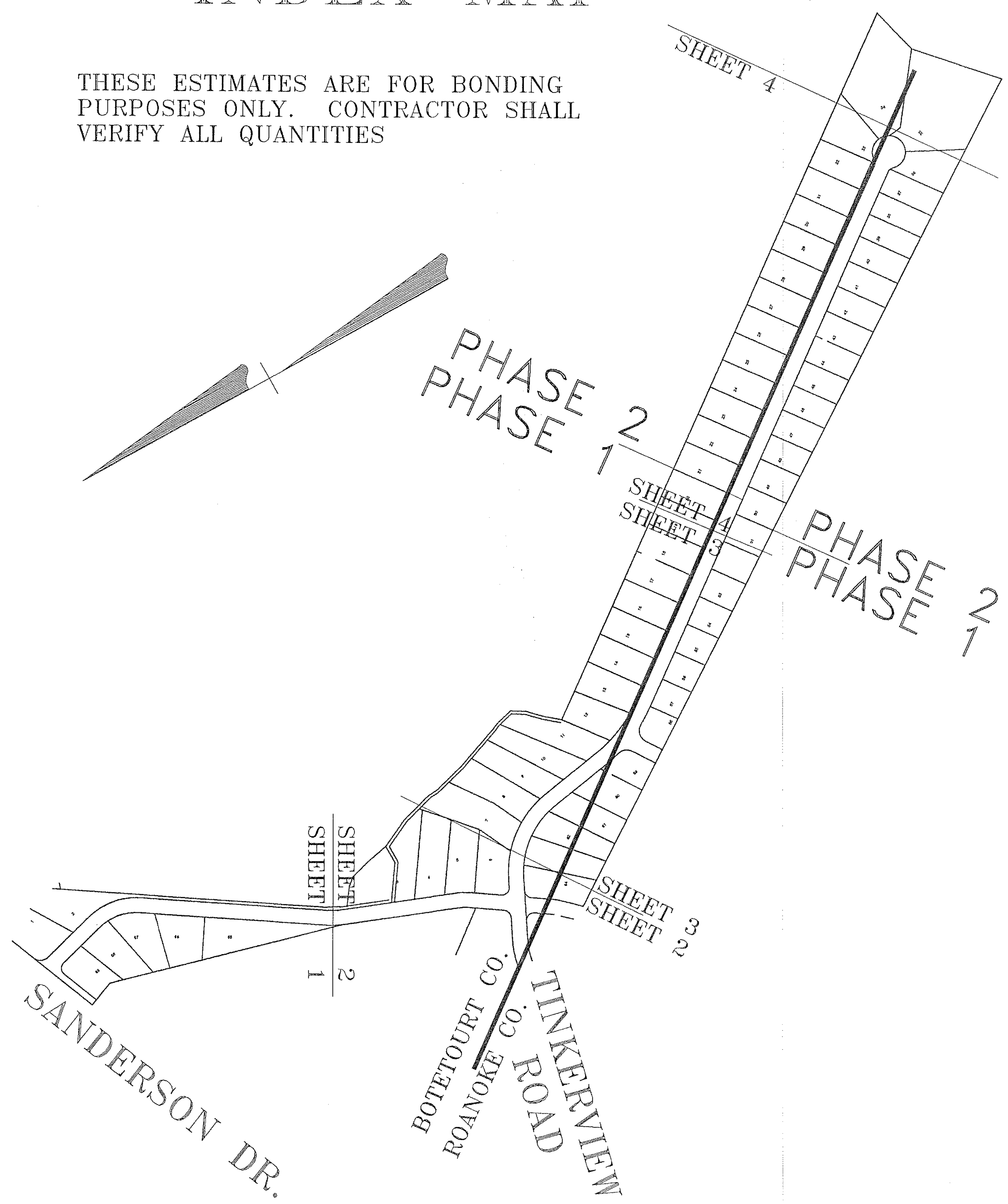
QUANTITY + COST ESTIMATE II

ITEM	QUANTITY	UNIT	UNIT PRICE	COST	BONDABLE
CLEARING AND GRUBBING		ACRES			
EXCAVATION		C.Y.			
EMBANKMENT		C.Y.			
STORM DRAIN – BBBC					
CURB INLET DI– 3B	10	EACH	$1500.00	$15000.00	
CURB INLET DI– 4B		EACH	$1800.00		
VDOT DI–1	1	EACH	$1800.00	$1800.00	
MANHOLE MH–		EACH			
MANHOLE MH– STORM DRAIN		EACH			
15 –IN. HDPE	906	LIN. FT.	$20.00	$18120.00	
18 –IN. HDPE	352	LIN. FT.	$22.00	$7744.00	
24 –IN. HDPE		LIN. FT.	$26.00		
30 –IN. HDPE		LIN. FT.	$32.00		
36 –IN. HDPE		LIN. FT.	$20.00		
48 –IN. RCP CLASS III		LIN. FT.	$45.00		
SUBTOTAL				$42,664.00	
BOX CULVERT		LUMP SUM			
PAVED DITCH		LIN. FT.			
RIPRAP – CLASS		S.F.			
SODDED SWALE		S.Y.			
–IN. CONCRETE ENDWALL EW–		EACH			
–IN. END SECTION ES–		EACH			
ROADWAY – BBBC					
HEADER CURB & GUTTER CG–		LIN. FT.			
CURB & GUTTER CG–6	3,117	LIN. FT.	12	$37,404.00	
VALLEY GUTTER		EACH			
GRAVEL BASE		S.Y.			
GRAVEL SHOULDER		S.Y.			
SURFACE TREATMENT	51,550 s.f.	S.Y.			
–IN. BIT. CONC.: TYPE B–		S.Y.			
–IN. BIT. CONC.: TYPE SM2A	680	TONS	$40.00	$27200	
8 –IN. BASE MATERIAL 21–B	3000	TONS	$12.00	$36000.00	
–IN. SUBBASE MATERIAL		C.Y.			
SUBTOTAL				$100,604.00	
WATER SYSTEM – BBRC		EACH			
8" WATER LINE	450	LIN. FT.	$22.00	$9900.00	
6" WATER LINE	1620	LIN. FT.	$18.00	$29160.00	
FIRE HYDRANT ASSEMBLIES	2	EACH	$1500.00	$3000.00	
BLOW OFFS W/VAULT, FRAME & COVER	1	EACH	$1000.00	$1000.00	
6 –IN. GATE VALVES, W/VAULT, FRAME & COVER	1	EACH	$1500.00	$1500.00	
–IN. GATE VALVES, W/VAULT, FRAME & COVER		EACH			
PUMP STATION		EACH		$35,000.00	
8 – IN. LINE (AIR RELEASE VALVE)		EACH			
SUBTOTAL				$79,560.00	
8" SANITARY SEWER – BBBC	1500	LIN. FT.	$30.00	$45000.00	
STANDARD MANHOLE W/FRAME & COVER	4	EACH	$1500.00	$6000.00	
SAMPLING MANHOLE/PORT		EACH			
SUBTOTAL				$51,000.00	
AS–BUILT PLANS		LUMP SUM	$1000.00	$1000.00	
STORMWATER MANAGEMENT		LUMP SUM			
SUBTOTAL				$274,828.00	
10% CONTINGENCY				$27,483.00	
ESTIMATED TOTAL				$302,311.00	

I HEREBY CERTIFY THAT THE FOREGOING ESTIMATE REFLECTS THE CURRENT IMPROVEMENT COSTS OF THIS PROJECT.
SIGNED: DATE:

INDEX MAP

THESE ESTIMATES ARE FOR BONDING PURPOSES ONLY. CONTRACTOR SHALL VERIFY ALL QUANTITIES



COUNTY OF ROANOKE

NAME OF DEVELOPMENT	STONEGATE
MAGISTERIAL DISTRICT(S)	VALLEY MAG. DISTRICT (BOTETOURT) HOLLINS MAG. DISTRICT (ROANOKE)

I, __________ OWNER/DEVELOPER, AM AWARE OF THE SITE DESIGN REQUIREMENTS IMPOSED BY THIS SITE DEVELOPMENT PLAN AND OTHER APPLICABLE COUNTY CODES. I HEREBY CERTIFY THAT I AGREE TO COMPLY WITH THESE REQUIREMENTS, UNLESS MODIFIED IN ACCORDANCE WITH LOCAL LAW.

COVER SHEET "A"

RC 3530