STATE OF VERMONT
AGENCY OF TRANSPORTATION

EARTHWORKS

STATION	DIST FT.	TOTAL EXCAVATION EARTH AND ROCK AREA S.F.	TOTAL EXCAVATION EARTH AND ROCK VOLUME C.Y.	ROCK EXCAVATION AREA S.F.	ROCK EXCAVATION VOLUME C.Y.	EMBANKMENT AREA S.F.	EMBANKMENT VOLUME C.Y.	AREA S.F.	VOLUME C.Y.
Access Rd									
0+00		0							
	25		65						
0+25		140				42			
	25		102				90		
0+50		80				152			
	25		60				85		
0+75		50				33			
	25		101				17	CUT	960
1+00		167				4		ROCK	0
	25		137				4	R.FAC	0.495
1+25		128				6		FILL	203
	25		138				5	F.FAC	1.15
1+50		170				4		EX.C	727
	25		224				2		
1+75		314				0			
	10		133						
1+85		402				0			
Bus Loop									
10+25		451				76			
	25		557						
10+50		752				155			
	25		763				163		
10+75		897				197			
	25		825				176		
11+00		886				184			
	25		858				168		
11+25		968				180			
	25		902				157		
11+50		980				160			
	25		793				94	CUT	5672
11+75		733				42		ROCK	0
	25		465				29	R.FAC	0.495
12+00		271				21		FILL	934
	25		203				21	F.FAC	1.15
12+25		168				24		EX.C	4598
	25		86				57		
12+50		17				99			
	25		90				46		
12+75		178				0			
	25		117				17		
13+00		76				37			
	9		13				6		
13+09		0				0			
Parking Lot									
20+75		0				0			
	25		418						
21+00		902				0			
	25		1784						
21+25		2953				0			
	25		2998						
21+50		3523				0			
	25		3267						
21+75		3533				0			
	25		3193					CUT	23491
22+00		3363				0		ROCK	0
	25		2980					R.FAC	0.495
22+25		3073				0		FILL	0
	25		2689					F.FAC	1.15
22+50		2736				0		EX.C	23491
	25		2377						
22+75		2398				0			
	25		2043						
23+00		2014				0			
	25		1743						
23+25		1751				0			
Grass Lined Treatment Swale									
0+00		18				0			
	50		34						
0+50		18				0		CUT	119
	50		31					ROCK	0
1+00		15				0		R.FAC	0.495
	50		28					FILL	0
1+50		15				0		F.FAC	1.15
	50		28					EX.C	119
2+00		15				0			

STATION	DIST FT.	TOTAL EXCAVATION EARTH AND ROCK AREA S.F.	TOTAL EXCAVATION EARTH AND ROCK VOLUME C.Y.	ROCK EXCAVATION AREA S.F.	ROCK EXCAVATION VOLUME C.Y.	EMBANKMENT AREA S.F.	EMBANKMENT VOLUME C.Y.	AREA S.F.	VOLUME C.Y.

STATION	DIST FT.	TOTAL EXCAVATION EARTH AND ROCK AREA S.F.	TOTAL EXCAVATION EARTH AND ROCK VOLUME C.Y.	ROCK EXCAVATION AREA S.F.	ROCK EXCAVATION VOLUME C.Y.	EMBANKMENT AREA S.F.	EMBANKMENT VOLUME C.Y.	AREA S.F.	VOLUME C.Y.

SUMMARY AND BALANCES

STATION TO STATION		TOT EXC. EARTH & ROCK C.Y.	ROCK EXCAV C.Y.	EMBANK C.Y.	EXCESSES CUT	EXCESSES FILL	ACUMULATIVE EXCESSES CUT	ACUMULATIVE EXCESSES FILL
Access Road								
0+00	1+85	960	0	203	727		727	
Bus Loop								
10+25	13+09	5672	0	934	4598		5324	
Parking Lot								
20+75	23+25	23491	0	0	23491		28816	
TOTALS		30124	0	1137				

NOTE:
100 CY OF SOLID ROCK EXCAVATION HAS BEEN INCLUDED AS AN ESTIMATED QUANTITY. THIS IS NOT INCLUDED IN THE BALANCE CALCUALTION BELOW.

REMARKS

EARTH AND ROCK EXCAVATION	30124
SOLID ROCK EXCAVATION	0
EARTH EXCAVATION	30124
PLANIMETERED FILL	1137
LESS FACTORED SOLID ROCK	0
LESS DISPLACEMENT OF ANY LARGE STRUCTURES	0
NET PLANIMETERED FILL	1137
FACTOR (15%)	171
PLANIMETERED FILL INCLUDING FACTOR	1308
MATERIALS AVAILABLE FOR FILLS	
EARTH EXCAVATION	30124
TRENCH EXCAVATION (GRASS LINED SWALE)	119
UNDERDRAIN EXCAVATION	618
STRUCTURE EXCAVATION	10
SOLID ROCK EXCAVATION	0
TOTAL MATERIAL AVAILABLE FOR FILL	30871
TOTAL FILL INCLUDING FACTOR	1308
TOTAL MATERIAL AVAILABLE FOR FILL	30871
BORROW	0
EXCESS EXCAVATION	29563

ALTERNATE A'

Stantec

PROJECT NAME: RANDOLPH
PROJECT NUMBER: CMG PARK(21)S

FILE NAME: ...\07_zk000Earthworks_A.ptf
PROJECT LEADER: WLD
DESIGNED BY: STANTEC
EARTHWORKS SUMMARY SHEET

PLOT DATE: 8/3/2007
DRAWN BY: STANTEC
CHECKED BY: GAS
SHEET 13 OF 63