



MALIBU BLUFFS SITE IMPROVEMENTS EARTHWORK ESTIMATE

	CUT (C.Y.)	FILL (C.Y.)	WALL LENGTH (FT)
CAMPING AREAS	240	375	0
PARKING AREAS	310	1,055	230
ROAD AREAS	280	80	80
WATER TANKS	0	0	0
SUBTOTAL	835	1,510	310
20% CONTINGENCY	170	300	60
TOTAL	1,005	1,810	370

TRAIL EARTHWORK ESTIMATE

	CUT (C.Y.)	FILL (C.Y.)	TRAIL LENGTH (FT)	WALL LENGTH (FT)
TRAIL ALIGNMENT 16	60	170	1,400	320
TRAIL ALIGNMENT 17	340	200	1,730	980
TRAIL ALIGNMENT 18	10	10	623	0
SUBTOTAL	410	380	-	1,300
20% CONTINGENCY	90	80	-	280
TOTAL	500	460	3,759	1,580

SOURCE: Penfield & Smith 2010

FIGURE MRA-17
Modified Redesign Alternative - Malibu Bluffs Overall Concept Plan