



**MALIBU BLUFFS SITE IMPROVEMENTS EARTHWORK ESTIMATE**

	CUT (C.Y.)	FILL (C.Y.)	WALL LENGTH (FT)
CAMPING AREAS	110	275	0
PARKING AREAS	495	120	230
ROAD AREAS	260	85	80
WATER TANKS	5	0	0
<b>SUBTOTAL</b>	<b>870</b>	<b>480</b>	<b>310</b>
20% CONTINGENCY	175	95	60
<b>TOTAL</b>	<b>1,045</b>	<b>575</b>	<b>370</b>

**TRAIL EARTHWORK ESTIMATE**

	CUT (C.Y.)	FILL (C.Y.)	TRAIL LENGTH (FT)	WALL LENGTH (FT)
TRAIL ALIGNMENT 16	80	170	1,400	320
TRAIL ALIGNMENT 17	340	200	1,736	980
TRAIL ALIGNMENT 18	10	10	623	0
<b>SUBTOTAL</b>	<b>410</b>	<b>380</b>	<b>-</b>	<b>1,300</b>
20% CONTINGENCY	90	80	-	260
<b>TOTAL</b>	<b>500</b>	<b>460</b>	<b>3,759</b>	<b>1,560</b>

SOURCE: Penfield&Smith 2010

FIGURE 8.1-10

2002 LCP Alternative - Malibu Bluffs Conservancy Property Overall Concept Plan