

**Table 6-3**  
**Construction Cost Estimate for Soil Alternative No. 2**  
Rolling Knolls Landfill Superfund Site - Feasibility Study  
Chatham, New Jersey

Geosyntec Consultants

Component	Unit Cost			Unit	Quantity	Construction Cost Estimate	
A - Design/Construction Oversight/Permits							
Pre-Design Investigation	3%	to	4%	% Construction <sup>(2)</sup>	445,410	\$	15,600
Remedial Design	3%	to	6%	% Construction <sup>(2)</sup>	445,410	\$	20,100
Remedial Oversight	5%	to	10%	% Construction <sup>(2)</sup>	445,410	\$	33,500
Subtotal						\$	69,200
B - Construction Preparation							
Bonding, insurance etc.	0.10%	to	0.20%	% Construction <sup>(2)</sup>	445,410	\$	700
Mobilization/Demobilization	1%	to	5%	% Construction <sup>(2)</sup>	445,410	\$	13,400
Subtotal						\$	14,100
C - General Construction and Site Management							
Site management and facilities	\$ 5,400	to	\$ 21,600	per mth	6	\$	81,000
Survey (topo , wetlands, etc.)			\$ 2,700	day	5	\$	13,500
Britten Road entrance repairs	\$ 6	to	\$ 7	sft	10,000	\$	65,000
Construction entrance	\$ 5,400	to	\$ 10,800	est.	1	\$	8,100
Traffic management (assumed half of construction period)	\$ 2,200	to	\$ 10,800	per mth	3	\$	19,500
Structural BMP (bog turtle)	\$ 21,600	to	\$ 43,100	est.	1	\$	32,400
Subtotal						\$	219,500
D - Site Controls (physical)							
7-ft high perimeter fence			\$ 33	per lin ft	6,500	\$	214,500
20-ft wide double access gates			\$ 4,400	each	2	\$	8,800
3-ft wide man gates			\$ 870	each	3	\$	2,610
Subtotal						\$	225,910
E - Site Controls (administrative)							
Institutional controls			\$ 10,800	est.	1	\$	10,800
Reporting to EPA			\$ 4,400	every 5-yrs	6	\$	26,400
Reporting to NJ			\$ 4,400	every 2-yrs	15	\$	66,000
Subtotal						\$	103,200
F - Post-Remedy Operation & Maintenance (O&M)							
Fence O&M	\$ 2,300	to	\$ 6,800	annual	30	\$	199,800
Subtotal						\$	199,800
TOTAL						\$	832,000

Notes:

(1) See Table 6-4 for cost estimate assumptions, notes, and limitations.

(2) Construction cost to estimate these items include the costs of Items C and D.