

EXHIBIT L – RECLAMATION COSTS

Meeker Sand & Gravel: M-1976-038

Below is a summary of estimated reclamation costs for one acre of reclamation in current and proposed mine areas. As mining moves into the new area, reclamation will follow, ensuring that a maximum 50 acres is affected at any one time. A maximum of 1000' of highwall will be open at any time. (31)

Currently in affected mine, average distance to haul overburden for final reclamation is 106 yards and 145 yards to haul topsoil (35). In the new mining area overburden and topsoil storage piles will be in close proximity to the areas that will need to be reclaimed and will be located throughout the disturbed area, so this will assist in keeping dozer push distances and haul distances to a minimum. One acre will require approximately 1,480 – 3,000cy of overburden for regrading and approximately 740 – 1,480cy of topsoil replacement.

Description	Haul/Push Distance	Hours	Cost per Hour	Total Cost for 1 Acre
REGRAIDING OF 1 ACRE:				
Mobilization/De-Mobilization:		3 hrs	\$150/hr	\$ 450.00
Haul Trucks Moving Material to Re-Grade mined out Highwall (1000' max) (31)	100-150 yards	4 hrs	\$110/hr	\$ 440.00
Regrading of Highwalls (1000' max) – Dozer (31)	10-65 yards	2 hrs	\$187.50/hr	\$ 375.00
Dozer regrading 1 acre area outside of highwalls (including fuel costs)	Avg 106 yards	2 hrs	\$187.50/hr	\$ 375.00
REPLACEMENT OF TOPSOIL:				
Mobilization/De-Mobilization:		3 hrs	\$150/hr	\$ 450.00
Haul Truck + Loader				
Haul Trucks (including fuel costs)	Avg 145 yards	8 hrs	\$110/hr	\$ 880.00
Wheel Loader loading Haul Trucks to move topsoil to reclaim area (including fuel costs)		4 hrs	\$110/hr	\$ 440.00
Dozer leveling topsoil to grade (including fuel costs)	Avg 60-70 yards	1 hr	\$187.50/hr	\$ 187.50
RESEEDING:				
Decompaction – Tractor w/ harrow or tiller (34)		.5 hr	\$300/hr	\$ 150.00
Tractor w/ Harrow & Seeder (Seeding rate of 15 lbs PLS/acre)		.5 hr	\$300/hr	\$ 150.00
Seed				\$ 213.00
1.5 Tons Straw Mulch + Crimping (12 bales) (33) – As recommended by NRCS		.75 hr	\$300/hr \$3.00/bale	\$ 225.00 \$ 36.00
TOTAL RECLAMATION COSTS FOR ONE ACRE:				\$ 4,371.50

EXHIBIT L-1.1

Map indicating haul distances from current overburden and topsoil storage piles.