

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 (depth of 12"-24") of overburden for regrading and approximately 740 – 1,480cy (depth of 6"-12") of topsoil replacement. Worst-case scenario would occur when we begin mining in Phase I of expansion, this is when the overburden and topsoil piles would be the longest distance to move for reclamation at approximately 600' for both (AM-3 AR-1 13)

	Description	Amt of Material Required	Haul/Push Distance	Equipment	Total Cost
1	Haul Trucks Moving Material to Backfill Highwall (Max 575 LF 18' High to 3H:1V)	10,350cy	10-65 yards	Haul Trucks & Front-End Loader	\$ 12,500.00
2	Regrading of Highwalls (1000' max) Cut/Fill and Transported backfill (2,183 + 10,350 = approx. 12,533)	12,533cy	70' Push	Dozer	\$ 11,750.00
3	Sediment Pond Grading	650cy	50' Push	Dozer	\$ 750.00
4	Hauling 24" of Overburden over 48 acres	161,333cy	Haul Max 600' Haul Current 320'	Haul Trucks & Front-End Loader	\$ 35,950.00
5	Grade transported overburden on pit floor (including fuel costs) over 50 acres w/ dozer	161,330cy	50' Push	Dozer	\$ 20,750.00
6	Decompact soils on approx. 30 ac of compacted stockpile areas using dozer w/ ripper		200' passes	Dozer w/ Ripper	\$ 1,500.00
7	Haul Topsoil approx. 50 ac (9" depth = 60,500cy)	60,500cy	Haul Max 600' Haul Current 435'	Haul Trucks & Front-End Loader	\$ 18,250.00
8	Grade transported Topsoil	60,500cy	50' Push	Dozer	\$ 11,375.00

9	Decompaction prior to seeding using tractor w/ harrow or tiller		50 acres	Tractor w/ Harrow or Tiller	\$ 4,500.00
10	Seeding using Tractor w/ Harrow & Seeder (Seeding rate of 15 lbs PLS/ac)	50ac	50 acres	Tractor w/ Harrow & Seeder	\$ 6,500.00
	Seed \$213/ac				\$ 10,650.00
11	1.5 Tons Straw Mulch + Crimping/acre as recommended by NRCS	50ac		Tractor w/ Crimper	\$ 7,200.00
	Straw \$3.00/bale				\$ 1,800.00
12	Mobilization/ Demobilization			\$150/hr	\$ 450.00
13	Indirect Costs	Govt Rate of 28%			\$ 40,299.00
	TOTAL RECLAMATION COST FOR 50 ACRES:				\$184,224.00

EXHIBIT L-1.1

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