

**New York State Department of Environmental Conservation
 Division of Mineral Resources
 Mined Land Reclamation Program**



**Financial Security
 Calculation Form
 Revised January 2012**

Indicate the transaction for which this calculation is being made:

Mine ID: 30669 Applicant/Permittee: Lancaster Development, Inc.
 New Permit X Modification Permit _____
 Renewal Permit _____ Permit Transfer _____
 Request for re-calculation or bond reduction (i.e concurrent work done) _____
 Other (i.e. compliance inspection, or enforcement action) _____
 Mined Land Reclamation Specialist: Halina W. Duda
 Date: 7/5/2012

Instructions:

Mined Land Reclamation staff shall determine the amount of the financial security based upon the estimated cost of reclaiming the affected land, which shall be based on the information contained in the permit application and upon such information as an investigation may disclose.

Check (X) the basis of the measurements:

Survey Instrumentation _____ Range Finder _____
 GPS Unit _____ Estimated from Maps X
 Estimated from Air Photo _____ Other: _____

List mining operation information considered (i.e. mineral type, mining method +/-or equipment):

S & G borrow pit fro NYSDOT Rte 17 Project. One loader, material to be hauled directly from pit to NYSDOT ROW

Land-use considerations (i.e. water-based, meadow, agricultural crop, etc.):

Affected Acreage 4.1 Water-Based Acreage _____
 Total Acres used in Calculation 4.1 Basic/Agricultural Acreage X

Insert information into boxes below; spreadsheet will calculate amounts. Attached additional worksheets if necessary.

1. Mobilization (**enter # of machines**) Subtotal 492.00

1

2. Mine Floor Backfilling and Grading: (**enter # of acres**) Subtotal 11,672.70

4.1

Notes:

3. Slope Treatment (i.e. linear computations, mine perimeter, high-wall scaling, un-consolidated slope, wet excavation sidewall): (**enter # of acres**) Subtotal 0.00

Notes:

4. Disposal of Solid Waste, Refuse, Junk, Trash, Personal Property (fixed or mobile): (**enter # of tons**) Subtotal 0.00

Notes:

5. Demolition (**enter # of square feet**) Subtotal 0.00

Structure/No Foundation _____

Foundation 6" Concrete _____

Notes:

6. Erosion & Sediment Control (**enter # of lineal feet**) Subtotal 246.00

Silt Fence 300

Staked Hay Bales _____

Notes:

7. Distribution of Piled Material (i.e. product, overburden, growth medium, vegetation) (**enter # of cubic yards**) Subtotal 0.00

Notes:

8. Revegetation (**enter # of acres for each item**) Subtotal 11,316.00

Lime _____

Fertilizer 4.1

Seed Mix Cold Season 4.1

Seed Mix Warm Season _____

Mulch 4.1

Tree & Shrub Seedlings _____

9. Site Clearing (Trees 6 Inches dbh) Per Acre Subtotal 0.00

Notes:

10. Soil De-Compaction (Ripping/Ac/ft) Per Acre Subtotal 0.00

Till/Hardpan _____

Soft Shale _____

Notes:

11. Hauling (8CY/1.0 mile round trip) Per LCY Subtotal 0.00

Notes:

12. Fence (6 ft Chain Link)	Per LF	_____	Subtotal	0.00
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Notes:

13. Miscellaneous treatments to implement approved reclamation plan: (enter as lump sum) ex: Local topsoil price.		_____	Subtotal	0.00
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Notes:

Total Financial Security Amount:				23,726.70
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Calculated Financial Security Amount Per Acre:				\$5,787
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Reclamation costs based on 2012 R.S. Means Site Work & Landscape Cost Data (Calculation Work Sheet Revised 1/10/12).

Form Revised January 2012

Mine Reclamation Cost Variables

	Amount	Per Unit
1. Mobilization: Fixed Rate at \$246.00 x 2 (1 Machine/In-out)	\$492.00	Fixed cost
2. Mine Floor Backfilling and Grading:	\$2,847.00	Per acre
3. Slope Treatment (i.e. Linear Computations, Mine Perimeter, High-wall Scaling, Un-consolidated Slope)	\$3,212.00	Per acre
4. Disposal of Solid Waste, Refuse, Junk, Trash, Personal Property (fixed or mobile):	\$90.00	Per ton
5. Demolition of:		
Structure with No Foundation	\$3.28	Per sq ft
Foundation 6" Concrete	\$6.45	Per sq ft
6. Erosion & Sediment Control		
Silt Fence	\$0.82	Per LF
Staked Hay Bales	\$12.25	Per LF
7. Distribution of Piled Material (i.e. Product, Overburden, Growth Medium, Vegetation)	\$4.46	Per BCY
8. Revegetation		
Lime	\$546.00	Per acre
Fertilizer	\$765.00	Per acre
Seed mixture (Cool Season sp.)	\$1,503.00	Per acre
Mulch	\$492.00	Per acre
Tree & Shrub Seedlings	\$1,804.00	Per acre
Seed Mixture (Warm Season sp.)	\$1,639.00	Per acre
9. Site Clearing (Trees 6 inches dbh)	\$4,375.00	Per acre
10. Soil De-compaction (Ripping)		
Till/Hardpan/\$0.46/BCY (1613 BCY/Ac/ft)	\$742.00	Per Ac/ft
Soft Shale/\$1.84/BCY (1613 BCY/Ac/ft)	\$2,968.00	Per Ac/ft
11. Hauling (8 CY/1.0 mile round trip)	\$3.02	Per LCY
12. Fence (6 ft Chain Link)	\$14.55	Per LF
13. Miscellaneous treatments to implement approved reclamation plan: (enter lump sum) ex. Topsoil/CY/Regional Cost		

Abbreviations:

SY Square Yard
 CY Cubic Yard
 BCY Bank Run Cubic Yard
 LF Linear Foot
 LCY Loose Cubic Yard

Reclamation costs based on 2012 R.S. Means Site Work & Landscape Cost Data
Revised (1/10/12).