Addendum Closeout/Mitigation Plan JJ No. 1/L-Bar Mine Cibola County, New Mexico



Prepared for:
Sohio Western Mining Company
c/o Rio Tinto Energy America
505 South Gillette Ave.
Caller Box 3009
Gillette, WY 82717-3009

Prepared by:



INTERA, Inc.
6000 Uptown Boulevard NE,
Suite 100
Albuquerque, New Mexico 87110

April 2009

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1.0 INTRODUCTION

SOHIO Western Mining Company (SWMC) is submitting this Addendum to the Closeout Plan/Mitigation Plan for the JJ No. 1/L-Bar Mine (Site), an existing mining operation, based on additional reclamation requirements.

A site visit including personnel from INTERA Incorporated (INTERA), New Mexico Mining and Minerals Division (NM MMD), and New Mexico Environment Department Ground Water Quality Bureau (NMED GWQB) was conducted on February 19, 2009. This Addendum addresses areas observed during that site visit that need to be reclaimed as part of the final site closure. This Addendum is in addition to the existing Closeout/Mitigation Plan, dated October 2008, and is not meant to replace that document. Only sections that have been added to or revised are included herein.



2.0 CLOSEOUT PLAN COMPONENTS

2.2 Tailings and Waste Rock Piles

[The following text replaces the second paragraph of Section 2.2 in the Closeout/mitigation Plan dated October 2008]

There are currently no known stockpiles of rock or ore that are capable of producing acid drainage and no other drainage is affected by the mine. Several small waste rock piles exist at various locations around the Site. Waste rock was defined by the NMED GWQB and MMD as material exhibiting radiological activity greater than background. These waste rock piles will be moved to a common location and will be covered by a cap of fill from the selected borrow area. The area selected for the waste rock burial is located on top of the hill in the central area of the Site where several additional waste rock piles and an area surrounded by a berm constructed with waste rock have been identified. The hilltop waste rock piles and berm are referred to as the "stockpile area" in this addendum and on the drawing entitled "Final Site Topography Figure" (Figure 10).

2.5 Vent Shaft Repairs and Final Closure

2.5.2 Final Vent Shaft Closure

[The estimated backfill volumes needed for the proposed reclamation methods are summarized in Table 4, below – which replaces Table 4 in the Closeout/mitigation Plan dated October 2008.]

| Vent Shaft ID/Reclamation Area | Cut (cubic yards) | Fill (cubic yards) | Net Fill (cubic yards) |
|--------------------------------------|----------------------|-------------------------|---------------------------|
| VS-3 | -520.1 | 1834.5 | 1314 |
| VS-4 | -680.2 | 1377.4 | 697 |
| VS-5 | -1606.3 | 2175.5 | 569 |
| VS-6 | -2.1 | 851.2 | 849 |
| VS-10 | -128.9 | 1809.2 | 1680 |
| VS-11 | -127.2 | 3928.1 | 3801 |
| VS-12 | -70.2 | 1207.3 | 1137 |
| Stockpile Area | 0 | 2955 | 2955 |
| То | tal (including 30% | bulking factor) | 16904 |

Table 4. Estimated Backfill Necessary for Reclamation

The borrow area located on Site has an estimated yield of 29,000 cubic yards, which will be sufficient to supply the necessary backfill. Rio Tinto Energy America (RTEA)/Rio Tinto (RT) is in the process of drafting a formal agreement with CLG that stipulates CLG's agreement to allow the use of the borrow area and acknowledgement of access restrictions to the reclaimed/ fenced areas on site during the revegetation and erosion monitoring periods.



2.5.3 Stockpile Area Closure

The berm material and existing waste rock piles in the stockpile area will be combined with the waste rock from the small isolated piles around the Site and buried at the stockpile area. The waste rock disposed at this location will be covered and reclaimed in place with a minimum of three feet of fill from the selected borrow area. The resulting reclaimed stockpile area will be roughly 125 feet in diameter and will have sides with a 3:1 slope. The reclaimed stockpile area will be fenced, revegetated, and monitored for revegetation and erosion as stipulated in Sections 2.8, 2.9, 2.10, and 2.11, respectively, of the Closeout/Mitigation Plan, dated October 2008.

2.7 Anticipated Surface Configuration

The existing Site Surface Topography, to a 5-foot contour, is provided in Figure 9, and the anticipated Final Site Topography is provided in Figure 10. The closure completion diagrams for each vent shaft location and the stockpile area are provided in the design drawings in Appendix D.

2.12 Abatement Plan

The current status of the NMED GWQB Stage 1 Abatement Plan is as follows:

- The 4th monitoring event was conducted in March 2009 (1st quarter of 2009),
- > The vent shafts were vertically profiled and sampled per NMED GWQB's request in March 2009,
- ➤ The Interim Stage 1 Abatement Report will be submitted in May 2009, and
- ➤ A Stage 1 Monitoring Plan will be submitted to NMED GWQB within 60 days of the Interim Stage 1 Abatement Report submittal to propose additional monitoring and characterization.



3.0 CLOSEOUT PLAN SCHEDULE

3.3 Current Reclamation Schedule

The proposed schedule for final reclamation (provided below) is dependent on the following:

- MMD approval of the Closeout/Mitigation Plan Addendum via a Director's Order;
- CLG approval of the borrow area, fencing plan, and access restrictions;
- Availability of suitable contractors for the reclamation work; and
- RTEA/RT management approval.

July 2009

• Competitive bid processes will begin in order to choose the construction, hardscaping, and revegetation contractors.

August/September 2009

- Contractors will be chosen based on qualifications and competitive bids.
- A cost estimate will be developed for the reclamation activities.

November/December 2009

• Any necessary amendments will be made to the Closeout/Mitigation Plan and provided to the MMD for final approval.

April 2010

- Pre-construction meetings will be held and ES&H training will be completed with all applicable contractors and subcontractors.
- All equipment and materials will be scheduled and ordered as appropriate.

May through July 2010

- Reclamation construction will begin.
- INTERA will provide oversight during all construction activities and the project engineer will inspect the activities on a routine basis.
- Cement pads will be poured during a 3-week to a month period.
- Monuments will be installed at each pad as the concrete pads are poured.

July through August 2010

- Revegetation, seeding with watering or hydroseeding, will be completed including the addition of any necessary topsoil, fertilizers, and sulfur.
- Fencing will be installed immediately following revegetation.

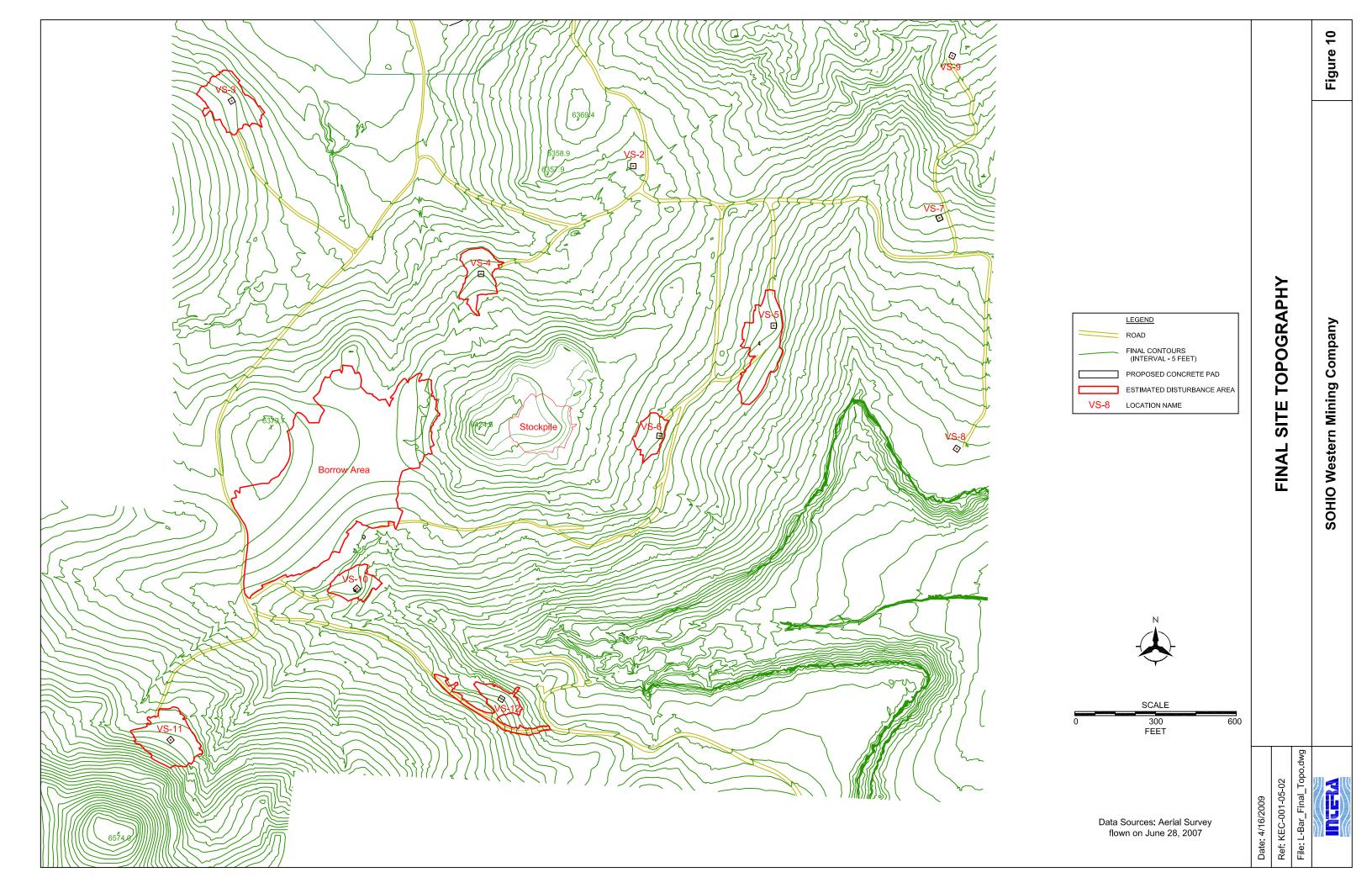
Upon completion of the above reclamation activities, a Closure Report will be prepared and submitted to the MMD detailing the reclamation activities.



Figures

Figure 10 Final Site Topography

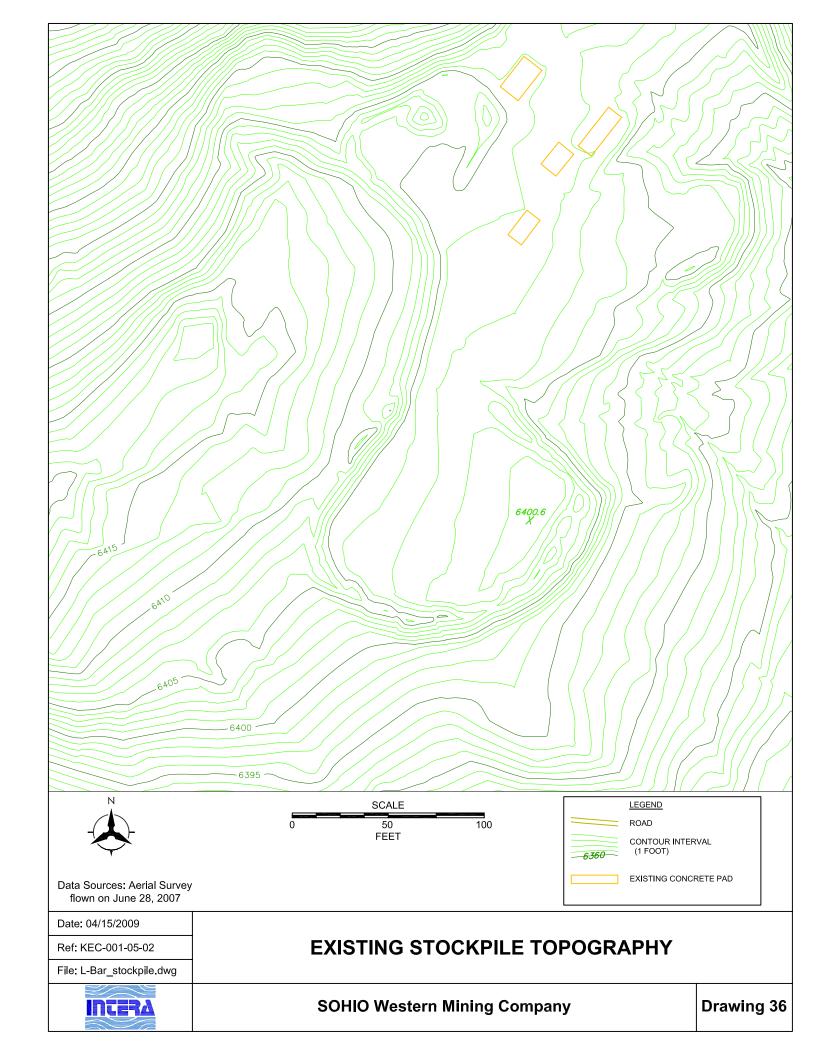


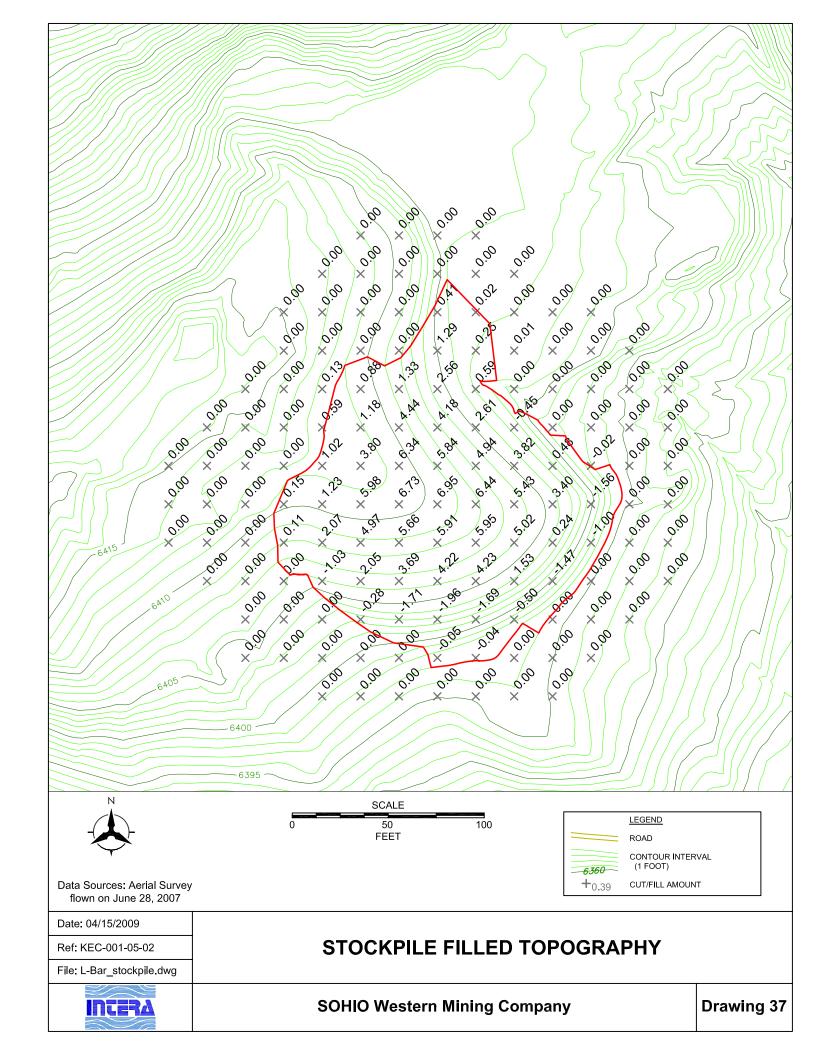


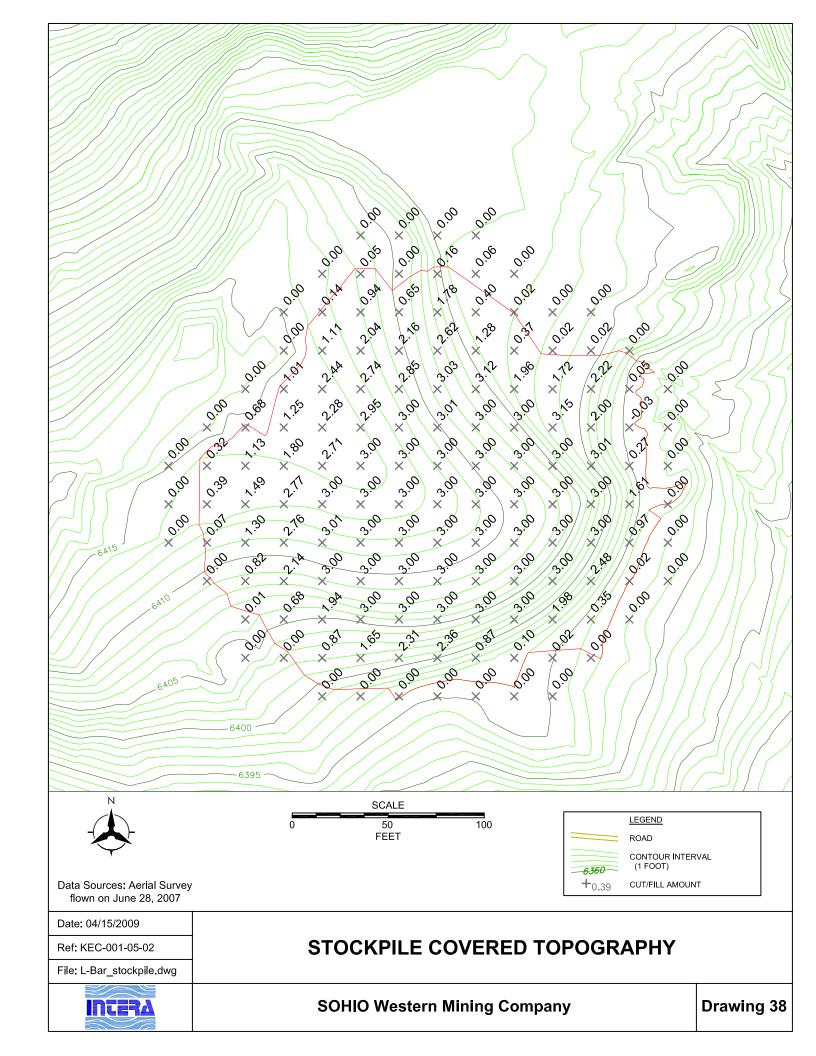
Appendix D Design Drawings

Drawing 36 Existing Stockpile Topography
Drawing 37 Stockpile Filled Topography
Drawing 38 Stockpile Covered Topography











July 22, 2016

Ms. Davena Crosley
New Mexico Energy, Minerals and Natural Resources Department
Mining and Minerals Division
Mining Act Reclamation Program
1220 South St. Francis Drive
Santa Fe, NM 87505

RE: Proposed Methodology for the 6-Year Quantitative Survey for Determination of Revegetation Success, JJ No. 1/L-Bar Mine; SOHIO Western Mining Company, Permit No. CI007RE

Ms. Crosley,

On behalf of SOHIO Western Mining Company, INTERA is submitting this *Proposed Methodology for the 6-Year Quantitative Survey for Determination of Revegetation Success* (Letter) to New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Mining and Minerals Division (MMD) as an addendum to the *Request for Amendment to the Closeout/Mitigation Plan, JJ No.1/L-Bar Mine, Cibola County, New Mexico* (Amendment), dated June 12, 2016. This Letter provides clarification of the proposed methodology basis to be used to conduct the 6-year quantitative survey and success standard sampling at the JJ No. 1/L-Bar Mine (Site), which will be conducted in September 2016. During the year 6 monitoring, a background vegetation survey and success standard sampling of adjacent undisturbed areas within fenced areas will be conducted to develop the basis of success benchmarks using the reference area methodology. The size of the fenced and reference are summarized in **Table 1** and the areas are shown in **Figures 1 through 14** (included as **Attachment A**).

Table 1. Size of the Reference Areas and Total Fenced Areas

| Location | Reference Area (square feet) | Total Fenced Area (square feet) |
|-------------|---------------------------------|------------------------------------|
| VS-2 | None | 4,800 |
| VS-3 | 2,555 | 35,440 |
| VS-4 | 705 | 24,700 |
| VS-5 | 3,470 | 59,315 |
| VS-6 | 3,880 | 34,460 |
| VS-7 | none | 8,500 |
| VS-8 | none | 11,445 |
| VS-9 | 2,200 | 14,475 |
| VS-10 | 6,245 | 56,175 |
| VS-11 | 3,575 | 50,725 |
| VS-12 | 4,965 | 34,280 |
| Stockpile | 1,210 | 70,170 |
| Borrow Area | 10,720 | 346,980 |
| TOTAL | 39,525 | 751,465 |

Reference Area Approach

The reference areas will be combined and treated as one combined reference area to randomly generate the transects used for data collection. Establishing a reference area outside of the fenced areas was considered; however, due to the ongoing livestock grazing, considered overgrazing in many areas, all areas outside of the fenced areas cannot reliably be used to develop the basis of vegetative success benchmarks.

Many of the reclaimed areas on Site show evidence of a lack of topsoil due to disturbance of the soil profile during historical and recent reclamation activities. As a result of the diminished soil properties in many of the reclaimed areas, a soil-loss erosion calculation approach may also be used to develop the vegetative cover needed to control erosion to an acceptable rate. This approach would be used in combination with the reference area approach with approval from MMD. The results of the year 6 monitoring and success standard sampling will provide additional information to determine if the use of a soil-loss erosion calculation approach will be appropriate.

Revegetation Sampling Procedures

Monitoring and success testing will involve sampling of ground cover and woody plant density within each revegetated unit and reference area. Sampling of ground cover will be accomplished utilizing the point-intercept procedure using modern instrumentation (e.g. lasers or optics) along randomly selected transects of 100 intercepts each. Long-belt transects or near total population enumeration will be used for woody plant density determination. All sampling locations will be determined utilizing a systematic (bias-free) method with a random start. This systematic procedure will also provide representation from across each reclaimed area to include characteristics such as aspect.

Determining the sample locations will be conducted as specified in the Amendment to the Closeout/Mitigation Plan (June 12,2016). A systematic grid with sample points will be developed for the Site and then a random starting point will be selected for the initial placement of the grid on the Site. If evidence of grazing is present along the edge of a fence, a one-meter buffer from the fence will be used to preclude potential grazing impacts on the sample site. This approach allows for confidence that the reclaimed units and reference areas have the same land management (preclusion of grazing impacts) and can be directly compared for success evaluation.

At each of the randomly selected sample points determined from the grid, a transect of 10 meters in length, or longer, will be extended to determine ground cover utilizing the point-intercept methodology (Bonham, 1989). The transect will be extended in the direction of the next randomly selected sample point, ensuring that the point-intercept methodology is conducted on randomly generated transects. Then, at each one-meter interval along the transect, a laser point bar or optical point bar will be situated vertically above the ground surface, and a set of 10 readings recorded as hits on vegetation (by species), litter, rock, or bare soil. A total of 100 intercepts per transect will be recorded resulting in 1 percent cover per intercept. This methodology and instrumentation facilitates the collection of the most unbiased, repeatable, precise, and cost-effective ground cover data possible. Furthermore, the point-intercept procedure has been widely accepted in the scientific community, especially the mining industry, as the protocol of choice for vegetation monitoring and bond release determination.

The point intercept technique, applied in this manner, is ideal for evaluating small units of reclamation or reference areas. Using a systematic distribution with a random start ensures random distribution of sample sites. Very small tracts of land can effectively be evaluated by utilizing a 10-meter point intercept transect. Even if the sample location and field conditions dictate a fixed orientation of the transect, the deployment of the



transect will always be random because the exact points of the transect can never be repeated in a practical sense.

Woody plant density will be determined in one of two manners, depending on a visual evaluation of the variability of the expressed population by an experienced field ecologist. If the population of woody plants appears to be sufficiently homogenous across the revegetated unit, density will be determined through a systematic sampling protocol utilizing large quadrats, or belts, co-located with the cover transects. If the population appears to be too heterogeneous, enumeration of the entire population, or nearly the entire population, may be the only reliable means available to determine density of woody plants. Newly establishing woody plant communities are often so inherently variable that no sampling protocols presently known to the scientific community are practical or cost-effective to obtain a viable estimate of the population's parameters.

Given the size of the units to be evaluated, it is most likely that the reclaimed areas will be evaluated using belt transects and the reference areas will be evaluated with total enumeration. These two evaluation techniques are suitable for comparison because the outcomes for both techniques are number of stems per acre. Furthermore, whether a population enumeration or sampling is used on the reference area, the value becomes fixed once the standard is applied (e.g. 60% of the reference area). Therefore, a one sample t-test is employed to evaluate whether success has been demonstrated, with the sampled population (reclamation) compared with the success standard (e.g. 60% of the reference area).

Revegetation Success Demonstrations

The revegetation success of the revegetated reclamation area(s) will be assessed against performance standards for (1) vegetative ground cover and (2) woody plant density. Specific standards for vegetative ground cover and woody plant density can be established from reference areas. In evaluation years (years 6, 9, 11, and 12), any of the approaches presented below are deemed suitable. Revegetation efforts will be considered successful when standards have been met at the end of the 12-year monitoring period.

1. Vegetative Ground Cover Standard

If possible, the vegetative ground cover standard for the Site will be achieved when the total perennial (and biennial) vegetative ground cover (exclusive of noxious species) in the revegetated unit equals or exceeds 70 percent of the approved reference area's perennial vegetative ground cover (exclusive of noxious species). Due to the diminished soil properties at the Site, as discussed above, the vegetative ground cover standard may need to be adjusted to achieve realistic and attainable regrowth standards. The vegetative ground cover standard will be evaluated after the year 6 monitoring and success standard sampling has been completed.

2. Woody Plant Density Standard

The woody plant density standard for the Site will be achieved when the density of live shrubs, trees, and woody cacti rooted within the boundaries of the revegetated unit equals or exceeds 60 percent of the approved reference area's density of live shrubs, trees, and woody cacti. Or, the density of live shrubs, trees, and woody cacti rooted within the boundaries of the revegetated unit equals or exceeds a success criterion of 200 plants per acre.

The Amendment (June 12, 2016) will be updated with the clarifications provided in this Letter along with any necessary changes as a result of findings during the year 6 quantitative survey monitoring and success standard sampling in September 2016. Please contact me by email (pjohnson@intera.com) or phone (505.235.6618) at your earliest convenience if you have any questions regarding the above information.



Ms. Crosley July 22, 2016 Page 4

Sincerely,

INTERA Incorporated

Bohnson

Tricia Johnson Project Manager

Enclosure: Attachment A (Maps showing Fenced and Reference Areas)

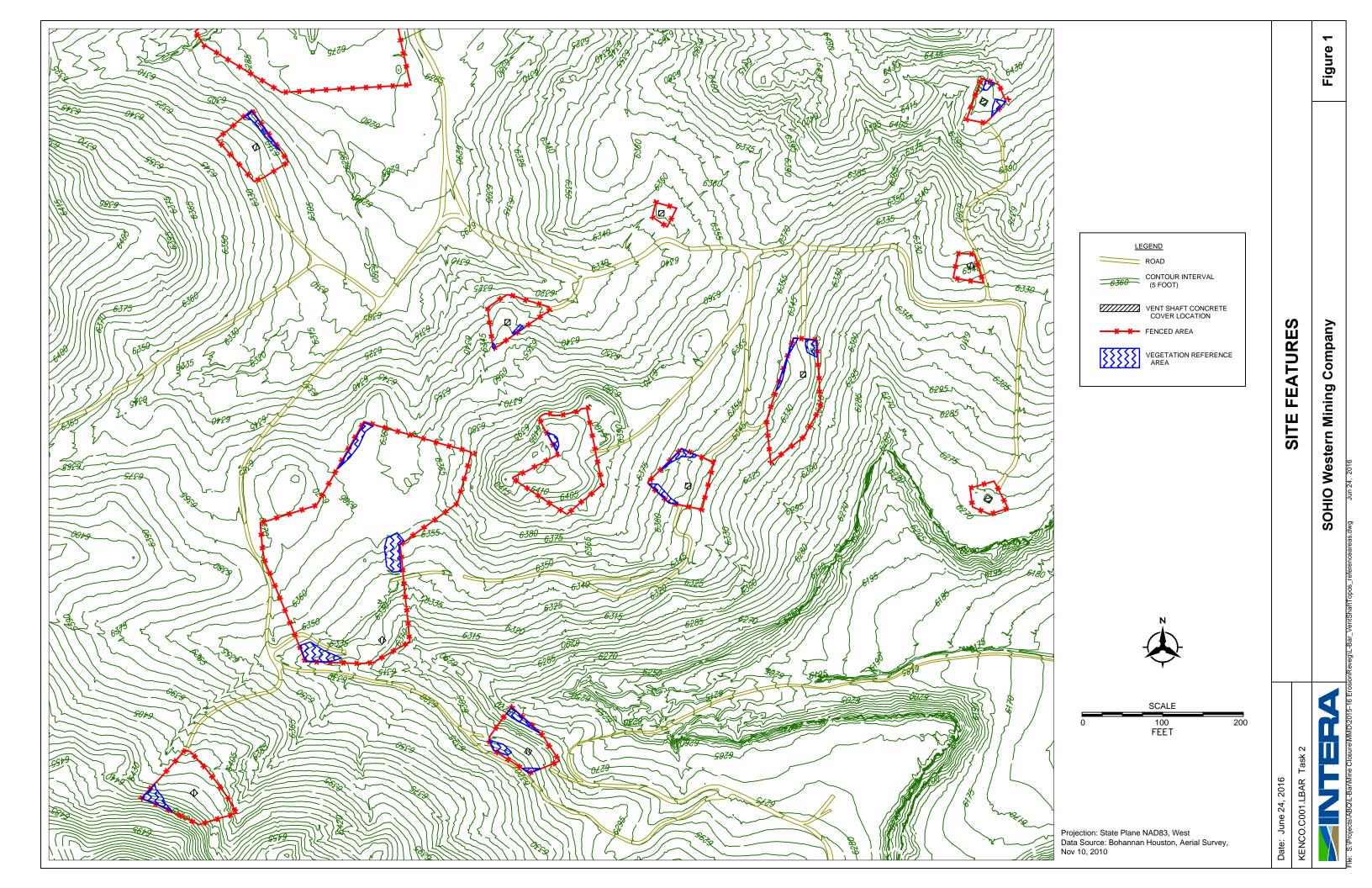
cc: James Hollen, MMD Dave Cline, RT

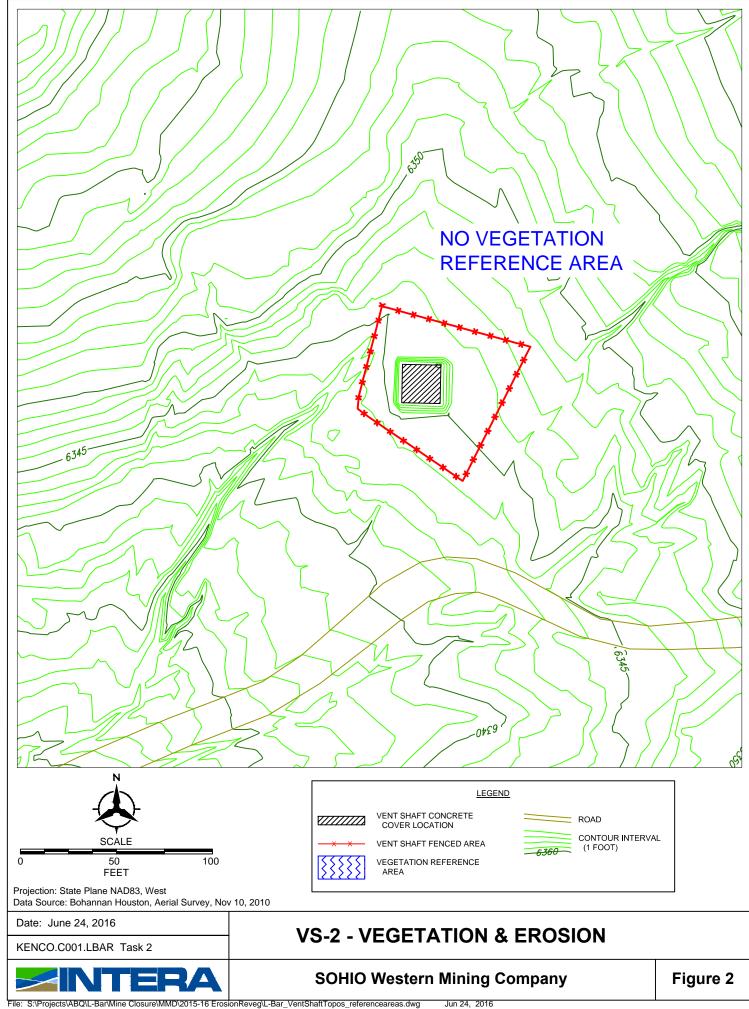
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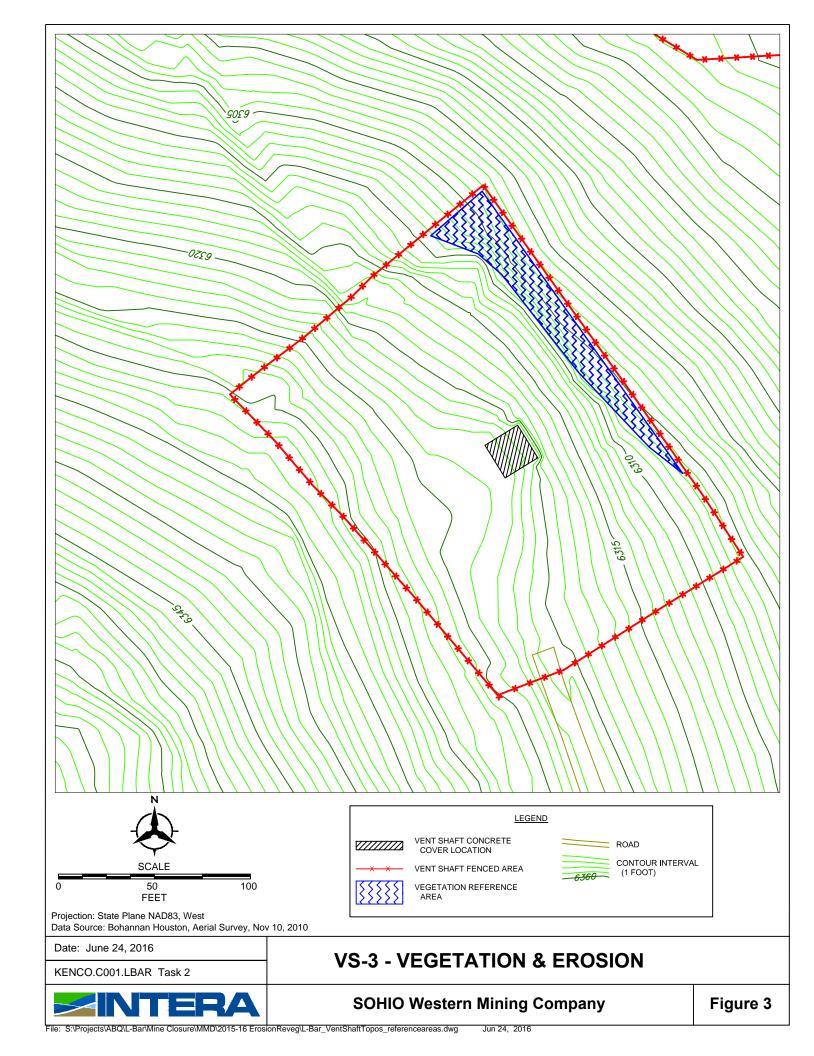


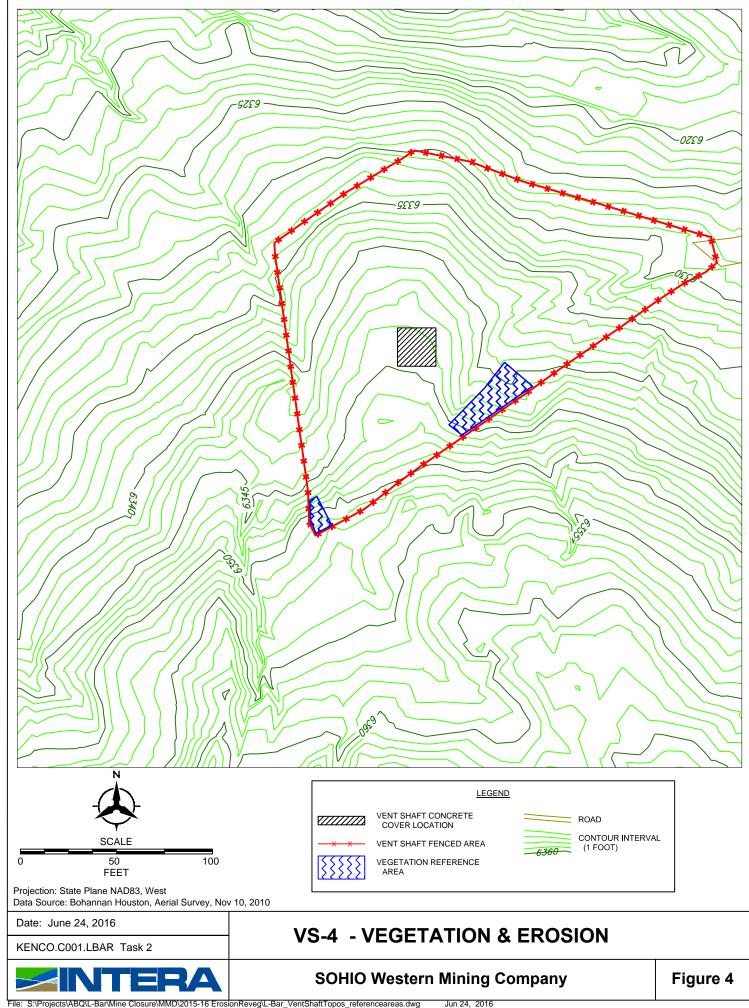
ATTACHMENT A Maps of Fenced and Reference Areas

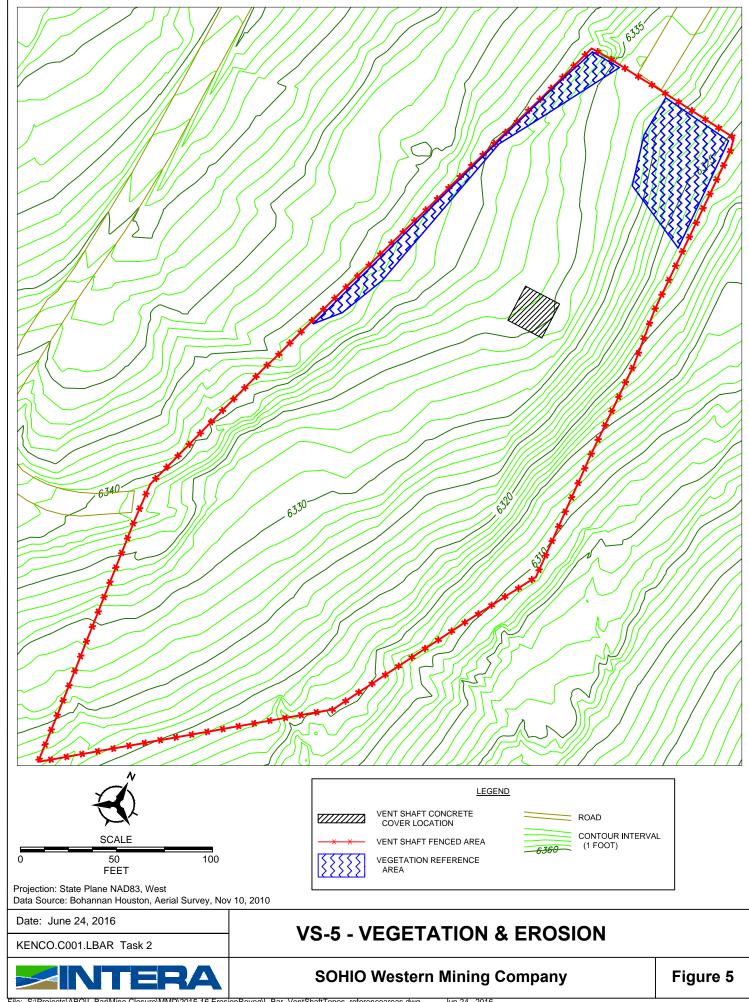


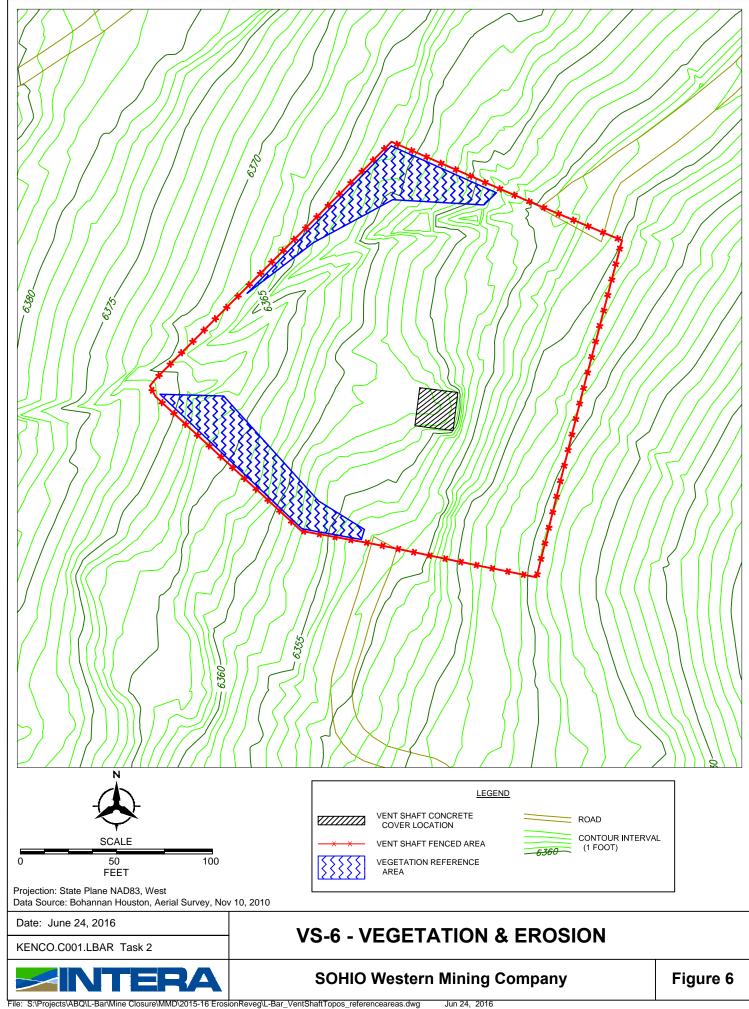


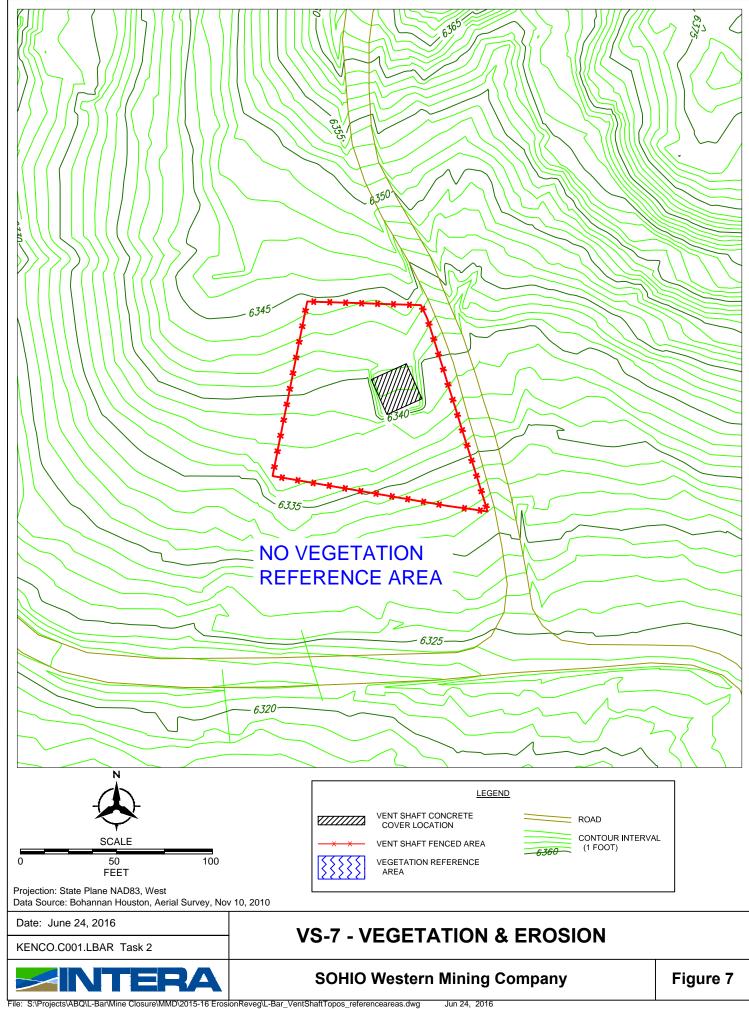


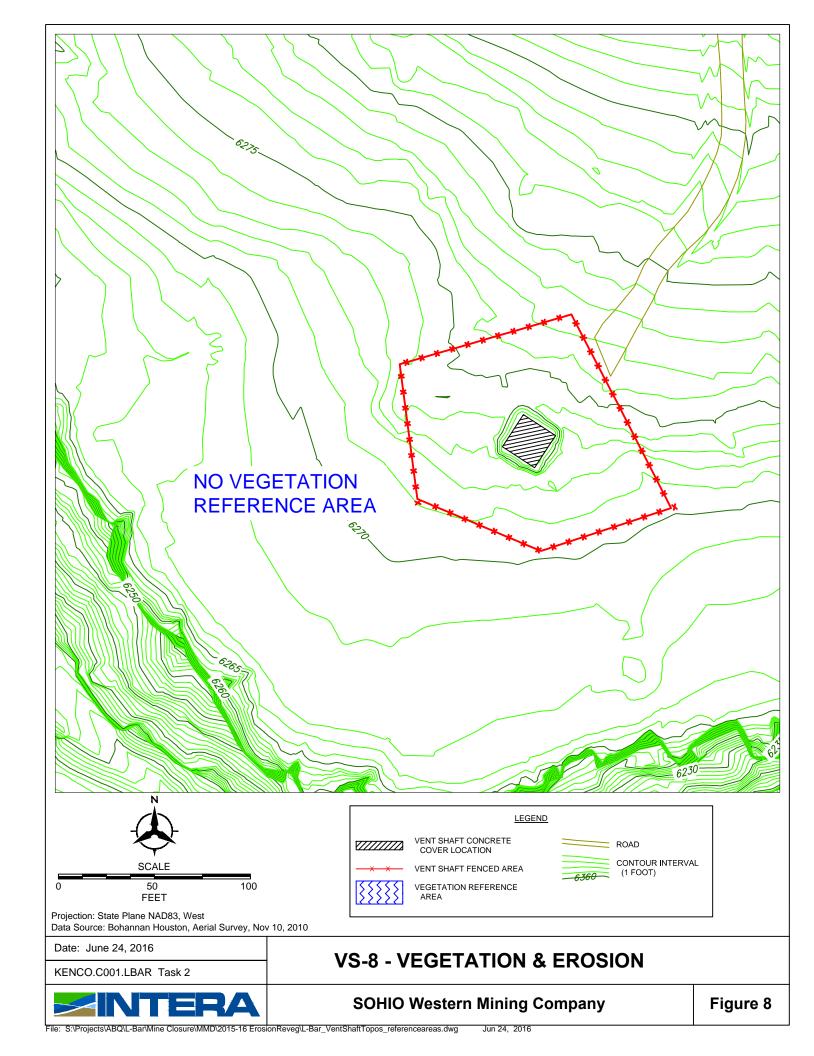


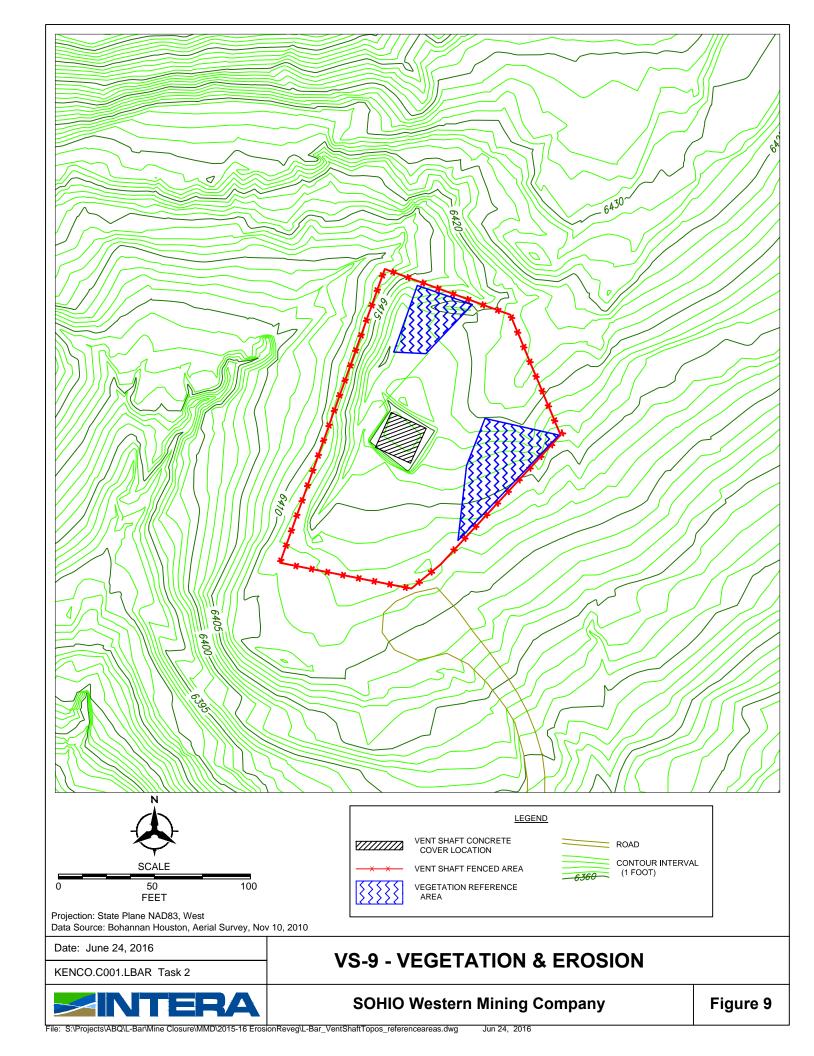


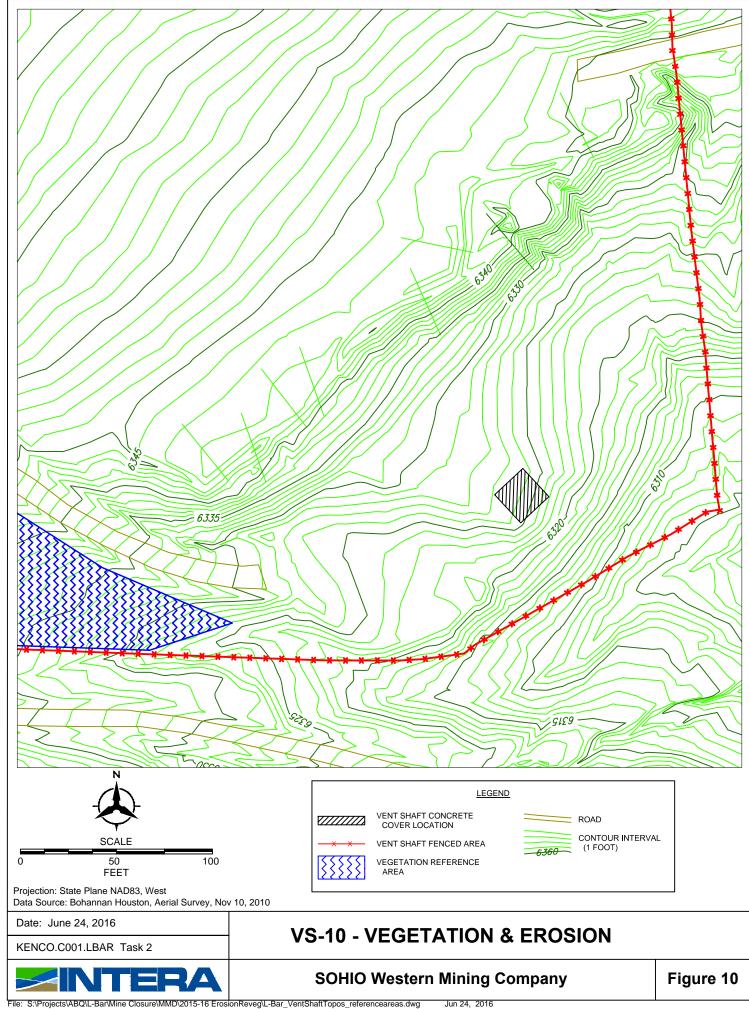


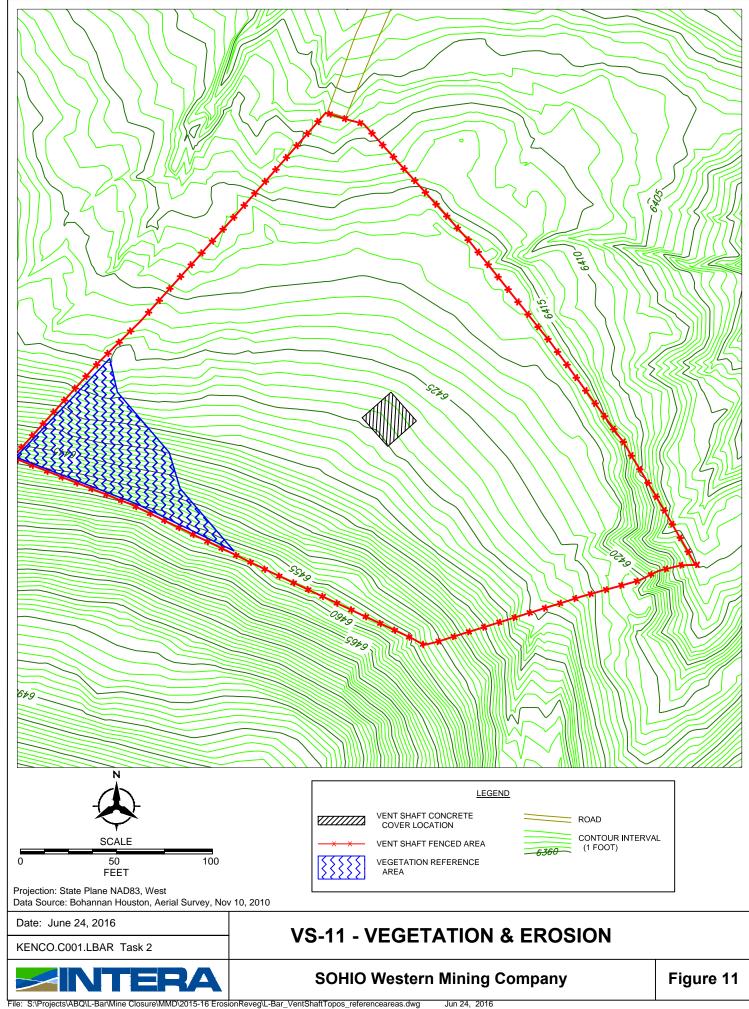


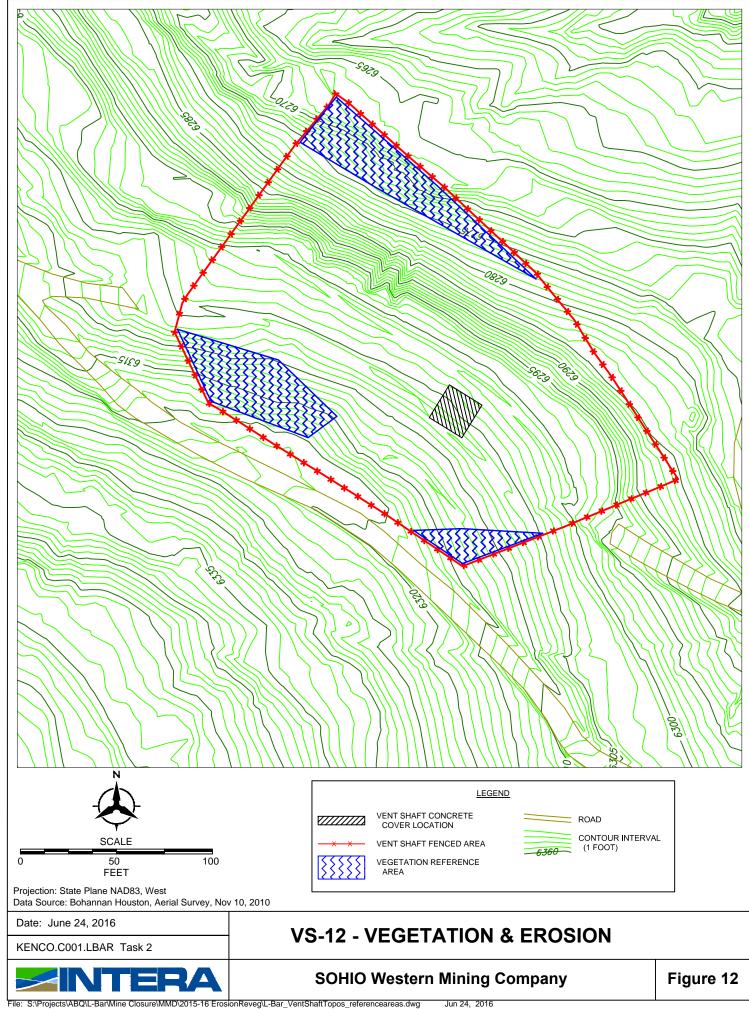


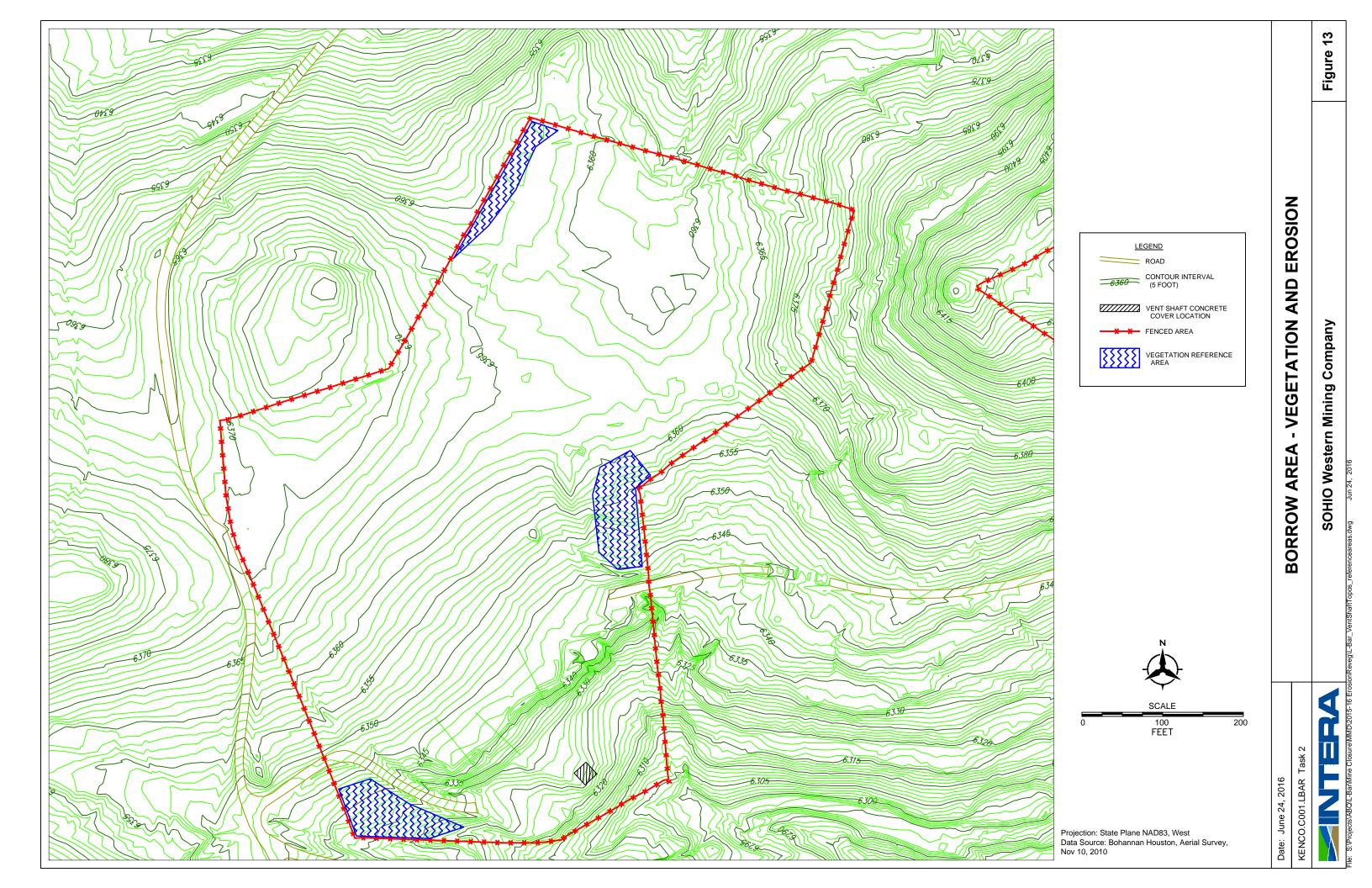


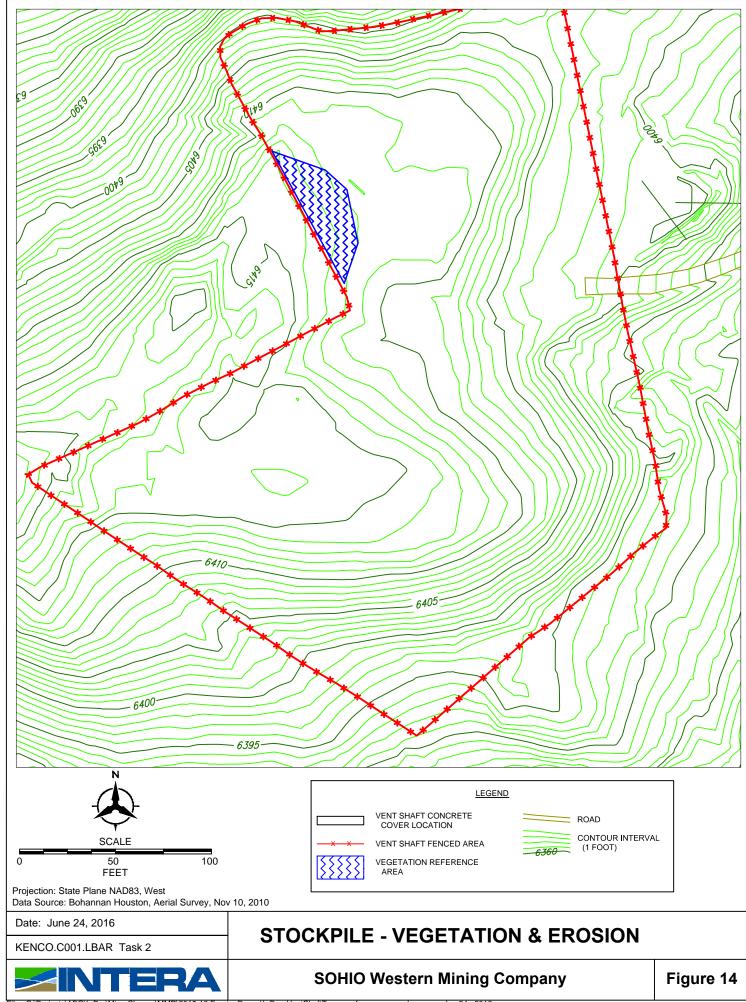




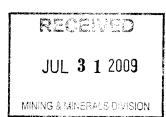












July 31, 2009

Mr. James Hollen Mining Act Reclamation Program (MARP) Mining and Minerals Division 1220 South St. Francis Drive Santa Fe, NM 87505

RE: JJ No. 1/L-Bar Mine, Cost Estimate Submittal per Amended Director's Order dated May 29, 2009

Dear James,

Per the Mining and Minerals Division Director's Order dated May 29, 2009, please find enclosed INTERA's cost estimate for the closeout/mitigation tasks at the JJ No. 1/L-Bar Mine site. The estimate includes costs for the following:

- Phase 1 Closure and hardscaping of the vent shafts
- Phase 2 Backfilling and waste pile capping
- Phase 3A Revegetation
- Phase 3B Fencing
- Phase 4 Revegetation and erosion monitoring

St. Cloud Mining Company was selected as the reclamation and revegetation contractor for the above-mentioned tasks, and we have included their cost proposal with the estimate. We are tentatively scheduled to begin the vent shaft closures during the second week of September 2009. Please don't hesitate to call me at 505-235-6618 if you have any questions regarding this submittal.

Sincerely,

Tricia B. Johnson Project Manager

Enclosures: Cost estimate

cc: Dave Cline (RT)

File

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Intera Incorporated

6000 Uptown Boulevard NE, Suite 100 Albuquerque, New Mexico 87110 Telephone: 505-246-1600

Fax: 505-246-2600

Final Site Closure - Cost Estimate JJ No. 1/L-Bar Mine Site Rio Tinto

| | | | Phase 1: Ver Debris Remo Relocation, | oval, V | Vaste Rock | Phase 2: Shaft I Rock | - PENSATING 60 50 100 90 | Phase 3A: | Reve | getation | Phase 3 | B: Fe | ncing | Phase 4: | Maint | enance |
|--------------------------------|------------|------------|--|---------|------------|--------------------------|--------------------------|------------|------|-----------|--------------------|-------|-----------|------------|-------|------------|
| Professional Labor | Rate | Unit | # of Units | | Total | # of Units | Total | # of Units | | Total | # of Units | | Total | # of Units | | Total |
| Project Manager | \$100.00 | hour | 150 | \$ | 15,000.00 | 60 | \$ 6,000.00 | 50 | \$ | 5,000.00 | 20 | \$ | 2,000.00 | 24 | \$ | 2,400.00 |
| Senior Scientist | \$150.00 | hour | 40 | \$ | 6,000.00 | 8 | \$ 1,200.00 | 8 | \$ | 1,200.00 | 4 | \$ | 600.00 | 2 | \$ | 300.00 |
| Engineer | \$100.00 | hour | 120 | \$ | 12,000.00 | 60 | \$ 6,000.00 | 60 | \$ | 6,000.00 | 20 | \$ | 2,000.00 | 12 | \$ | 1,200.00 |
| Staff Engineer | \$75.00 | hour | 600 | \$ | 45,000.00 | 200 | \$ 15,000.00 | 100 | \$ | 7,500.00 | 100 | \$ | 7,500.00 | 96 | \$ | 7,200.00 |
| Construction Supervisor | \$75.00 | hour | 450 | \$ | 33,750.00 | 150 | \$ 11,250.00 | 150 | \$ | 11,250.00 | 80 | \$ | 6,000.00 | 16 | \$ | 1,200.00 |
| GIS Specialist | \$70.00 | hour | 40 | \$ | 2,800.00 | 24 | \$ 1,680.00 | 8 | \$ | 560.00 | 20 | \$ | 1,400.00 | 16 | \$ | 1,120.00 |
| Administrative | \$52.00 | hour | 40 | \$ | 2,080.00 | 8 | \$ 416.00 | 8 | \$ | 416.00 | 8 | \$ | 416.00 | 4 | \$ | 208.00 |
| Subtotal Labor | | | | \$ | 116,630.00 | | \$ 41,546.00 | | \$ | 31,926.00 | mentional services | \$ | 19,916.00 | ar Luable | \$ | 13,628.00 |
| Expenses | Rate | Unit | # of Units | | Total | # of Units | Total | # of Units | | Total | # of Units | | Total | # of Units | | Total |
| Level C & D H&S/Decon Supplies | \$50.00 | week | 12 | \$ | 600.00 | 4 | \$ 200.00 | 4 | \$ | 200.00 | 2 | \$ | 100.00 | 0 | \$ | * |
| Tool Box | \$10.00 | week | 12 | \$ | 120.00 | 4 | \$ 40.00 | 4 | \$ | 40.00 | 2 | \$ | 20.00 | 0 | \$ | - |
| Digital Camera | \$80.00 | month | 3 | \$ | 240.00 | 1 | \$ 80.00 | 1 | \$ | 80.00 | 0.5 | \$ | 40.00 | 1 | \$ | 80.00 |
| Direct Read Dosimeters | \$100.00 | month | 3 | \$ | 300.00 | 1 | \$ 100.00 | 0 | \$ | - | 0 | \$ | - | 0 | \$ | - |
| Water Level Meter | \$20.00 | day | 2 | \$ | 40.00 | 0 | \$ - | 0 | \$ | - | 0 | \$ | * | 0 | \$ | - |
| Survey Level | \$250.00 | week | 0 | \$ | | 4 | \$ 1,000.00 | 0 | \$ | - | 0 | \$ | - 1 | 0 | \$ | |
| Ludlum µR Meter | \$340.00 | month | 3 | \$ | 1,020.00 | 1 | \$ 340.00 | 0 | \$ | - | 0 | \$ | - | 0 | \$ | - |
| TLD Badges | \$50.00 | person | 10 | \$ | 500.00 | 10 | \$ 500.00 | 0 | \$ | - | 0 | \$ | - | 0 | \$ | - |
| Rental truck | \$1,400.00 | month | 3 | \$ | 4,200.00 | 1 | \$ 1,400.00 | 1 | \$ | 1,400.00 | 0.5 | \$ | 700.00 | 1 | \$ | 1,400.00 |
| Fuel | \$65.00 | tank | 20 | \$ | 1,300.00 | 8 | \$ 520.00 | 8 | \$ | 520.00 | 4 | \$ | 260.00 | 12 | \$ | 780.00 |
| Per Diem | \$109.00 | person/day | 100 | \$ | 10,900.00 | 40 | \$ 4,360.00 | 40 | \$ | 4,360.00 | 20 | \$ | 2,180.00 | 2 | \$ | 218.00 |
| Incidentals | \$1,000.00 | month | 3 | \$ | 3,000.00 | 1 | \$ 1,000.00 | 1 | \$ | 1,000.00 | 0.5 | \$ | 500.00 | 0.5 | \$ | 500.00 |
| Subtotal Expenses | | | | \$ | 22,220.00 | Average Disease and | \$ 9,540.00 | | \$ | 7,600.00 | | \$ | 3,800.00 | 建筑线相位更短 | \$ | 2,978.00 |
| Subcontractor Expenses | Rate | Unit | # of Units | | Total | # of Units | Total | # of Units | | Total | # of Units | | Total | # of Units | | Total |
| Subcontractor | | lump sum | 1 | \$ | 200,349.00 | 1 | \$ 79,486.50 | 1 | \$ | 49,950.00 | 1 | \$ | 38,636.40 | 1 | \$ | 4,093.00 |
| Subtotal Expenses | | | | \$ | 200,349.00 | | \$ 79,486.50 | | \$ | 49,950.00 | | \$ | 38,636.40 | | \$ | 4,093.00 |
| Total Phase 1 | | | \$ | | 339,199.00 | \$ | 130,572.50 | \$ | | 89,476.00 | \$ | | 62,352.40 | \$ | | 20,699.00 |
| Grand Total | | | | | | | | | | | | | | \$ | 144 | 642,298.90 |



St. Cloud Mining Company
BID CALCULATION SHEET SUMMARY SHEET FOR PHASE 1, 2 & 3
L-BAR/JJ No. 1 MINE Closure, Reclamation & Revegetation

Engineer: INTERA Inc.
Project Manager: Amy Andrews (505)246-2600
Bid Date: Tuesday July 21,2009

Complete: Start approx. Aug. 10, 2009. Complete in June 16,2010
PreBid Date: Mandatory, Thursday, July 10,2009 15 miles north of Laguna, N M
Attended by: SB, JB, CO

GROSS RECEIPTS TAXES NOT INCLUDED

| •. | | | GROSS RECEIPTS TAXES NOT INCLUDED | | | | |
|---------------------------|---|--|-----------------------------------|-------------------|--|--|--|
| Item | | Est | | | | | |
| Description | Unit | Quant | TOTAL | BID PRICE | | | |
| PHASE 1 AND 2 ONLY | LS | 1 | Bid Amount | \$ 275,943 | | | |
| PHASE 3 ONLY - CONVENT | ΓΙΟΝAL SE | EDING | | | | | |
| | LS | 1 | Bid Amount | \$ 60,562 | | | |
| PHASE 3 ONLY - HYDROSE | EEDING MI | ETHOD | | | | | |
| | LS | 1 | Bid Amount | \$ 129,772 | | | |
| PHASES 1, 2 & 3 - CONVEN | TIONAL SE | EEDING | | | | | |
| | LS | 1 | Bid Amount | \$ 325,893 | | | |
| PHASES 1, 2 & 3 - HYDROSI | EEDING M | ETHOD | | | | | |
| | LS | 1 | Bid Amount | \$ 395,103 | | | |
| | PHASE 1 AND 2 ONLY PHASE 3 ONLY - CONVENT PHASE 3 ONLY - HYDROSE PHASES 1, 2 & 3 - CONVENT | PHASE 3 ONLY - CONVENTIONAL SE LS PHASE 3 ONLY - HYDROSEEDING MILS PHASES 1, 2 & 3 - CONVENTIONAL SE LS PHASES 1, 2 & 3 - HYDROSEEDING MILS | Description Unit Quant | TOTAL | | | |

GROSS RECEIPTS TAXES NOT INCLUDED

St. Cloud Mining Company

BID CALCULATION SHEET

L-BAR / JJ No. 1 MINE Closure and Reclamation Phase 1 & Phase 2

Engineer: INTERA Inc.

Project Manager: Amy Andrews (505)246-2600

Bid Date: Tuesday July 21,2009

Complete: Start approx. Aug. 10, 2009. Complete in June 16,2010

PreBid Date: Mandatory, Thursday, July 10,2009 15 miles north of Laguna, N M

Attended by: SB, JB,CO

| | | accusy. Ob, ob | , | GROSS RECEIL | TS TAXES NOT INC | LUDE | ED |
|-------|--|------------------------|---------------|--------------------|-----------------------|--------|------------------|
| No No | l Item Description | Unit | Est Quan | t | | В | ID PRICE |
| | Mobilization (Phase 1&2 | LS | 1 | - | Bid Amount | \$ | 16,705 |
| | 2 Closure at Feature VS-2 3 Closure at Feature VS-3 | LS | 1 | (Phase One) | Bid Amount | s | 19,181 |
| | Closure at Feature VS-4 | LS | 1 | (Phase One) | Bid Amount | s | 12,906 |
| | Clousre at Feature VS-5 | LS | 1 | (Phase One) | Bid Amount | s | 9,913 |
| 6 | Clousure at Feature VS-6 | LS i | 1 | (Phase One). | Bid Amount | s | 11,553 |
| 7 | Closure at Feature VS-7 | LS | 1 | (Phase One) | Bid Amount | S | 12,353 |
| 8 | Closure at Feature VS-8 | LS | 1 | (Phase One) | Bid Amount | \$ | 12,047 |
| 9 | Closure at Feature VS-9 | LS | 1 | (Phase One) | Bid Amount | s | 16,152 |
| 10 | Closure at Feature VS-10 | | 1 | (Phase one) | Bid Amount | S | 14,165 |
| 11 | Closure at Feature VS-11 | LS LS | 1 | (Phase One) | Bid Amount | S | 12,209 |
| 12 | Closure at Feature VS 12 | LS | 1 | (Phase One) | Bid Amount Bid Amount | s | 12,074 14,398 |
| 13 | Backfili all Features Com | | | ds est.) (Phase Tr | | s | 50,520 |
| | Fencing Complete in Place | LS | 1 | (Phase Two) | Bid Amount | \$ | 2,927 |
| | Relocation of Waste Rock | LS | 1 | (Phase One) | Bid Amount | s | 4,017 |
| | Road Grading, Maintena | nce and Dust Suj LS | ppressio 1 | n | Bid Amount | s | 16,995 |
| | New Road Construction | LS | 1 | (Phase Two) | Bid Amount | s | 856 |
| | Debris Removal and Dispo SWPPP (Silt fence per 100 | , | | (Phase One) | Bid Amount | s | 13,904 |
| | SWPPP(Rock Check Dam | LS | 1 | (One Unit) | Bid Amount | s | 174 |
| | SWPPP (Rip-rap bank pro | LS | 1 | (One Unit) | Bid Amount | \$ | 357 |
| | Surveying Finish Grade / C | LS | 1 | (One Unit) | Bid Amount | s | 964 |
| | Safety & Environmental T | LS | - | (One Unit) | Bid Amount | S | 20,614 |
| | | LS | | (One Unit) | Bid Amount | s | 960 |
| | | TOTAL AN | IOUNT | WITHOUT GROS | S RECEIPTS TAXES | : \$ | 275,943 |

NOTE: ITEMS 19, 20 & 21 ARE A PRICE FOR ONE UNIT AS DESIGNATED IN THE RFP. TOTAL PRICE WILL DEPEND UPON THE NUMBER OF UNITS REQUIRED FOR THE PROJECT

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St. Cloud Mining Company BID CALCULATION SHEET L-BAR / JJ No. 1 MINE Closure (Seeding and Revegetation)

Engineer: INTERA
Project Manager: Amy Andrews (505)246-2600
Bid Date: Tuesday July 21,2009
Complete: Start approx. Aug. 10, 2009. Complete in June 16, 2010
PreBid Date: Mandatory, Thursday, July 10,2009 15 miles north of Laguna, N M
Attended by: SB, JB, CO

| | | , , , , , | - | GROSS RECEIPTS T | TAX NOT IN | CLUDED | | Total |
|-----|---|------------------|------------|-------------------------|------------|--------------|-------------|--------------|
| | Item | | Est | | | | | Bid |
| Vo. | Description | Unit | Quant | | ···· | | | Price |
| 1 | Mobilization (Phase 1&2) | LS | 1 | | | | Bid Amount | \$10,612 |
| 2 | Soil Preparation (per acre / 14 a | cre est) | | | | | | |
| | | LS | 1 | | | | Bid Amount | \$13,972 |
| 3 | Backfill Preparation (per cu yd) | | | | | | | |
| | | LS | 1 | | | | Bid Amount | \$ 344 |
| 4 | Hydroseeding (per acre / 14 acre | est) | | | | | | |
| | | LS | 1 | \$7,496/acre x 14 acres | | | Bid Amount | \$89,202 |
| 5 | Sowing Seed-Conventional Meth | | fertilizio | | | | | |
| | | LS | 1 | \$2,307/acre x 14 acres | | | Bid Amount | \$28,643 |
| 6 | Mulching (per acre / 14 acres est) | | | | | | | |
| | | LS | 1 | \$207/acre x 14 acres | | | Bid Amount | \$ 2,898 |
| 7 | Maintenance | | | | | | | |
| | | LS | 1 | | | | | |
| | If Conventional Method (Total) | | | 2 acre | 1 unit | 1824 total | Bid Amount | \$ 4,093 |
| | If Hydroseeding (Total) | | | 2 acre | 1 unit | 5679 total | Bid Amount | \$12,744 |
| 8 | Training | LS | 1 | | | | Bid Amount | S 960 |
| | DID TOTAL A COLUMN | | | | | | | |
| | BID TOTAL for CONVENTION Total Bid Price: Phase 3 Only, | DNAL SEEDI | NG / MI | JLCHING METHOD | | | | |
| | Total Bid Price: Phases 1, 2 & | 3 No Mobiliza | tion/De | nobilization | <u> </u> | | AL BID AMO | |
| | 1,20 | S I TO IVACORIES | HIOMODEI | HOUINZALION | <u> </u> | 49,950 FOT | AL BID AMO | UNT |
| | | | | | | | | |
| | BID TOTAL for HYDROSEE | DING / HYDE | ROMUL | CHING METHOD | | | | |
| | Total Bid Price: Phase 3 Only, | with Mobiliza | tion/Der | nobilization | S | 130,732 TOT. | AL BID AMOU | ЛNT |
| | Total Bid Price: Phases 1, 2 & | 3 No Mobiliza | tion/Den | nobílization | S | 119,160 TOT. | AL BID AMOU | JNT |

GROSS RECEIPTS TAX NOT INCLUDED

Page 1 of 1

St. Cloud Mining Company

BID CALCULATION SHEET

L-BAR / JJ No. 1 MINE Closure and Reclamation Phase 1 & Phase 2

Engineer: INTERA Inc.

Project Manager: Amy Andrews (505)246-2600

Bid Date: Tuesday July 21,2009

Complete: Start approx. Aug. 10, 2009. Complete in June 16,2010

PreBid Date: Mandatory, Thursday, July 10,2009 15 miles north of Laguna, N M

Attended by: SB, JB, CO

Bid Amount

S

145.00

LS

GROSS RECEIPTS TAXES NOT INCLUDED Item Item Est No Description Unit Quant BID PRICE 1 Reclamation Unit Cost Training LS 1 (Recl Crew 8-hours) Bid Amount \$ 960.00 2 Standby Rate (Phase 1, 2 & 3)

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