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VULTURE MINE PROJECT ~ HEAP LEACH FACILITY

BIDDER	BASE BID	ACCLR. SCHD.	HDPE / PVC & HYPL.	F-MAT / HYPL.	ASPHALT RUBBER, 200 MIL	
MAYA CONST. CO. (FLS)	364,287	No				
SUNDT CORP. (PALCO)	366,240	No	<25,000>			341,240
R.R. HENSLEY (NAT. SEAL)	382,054	<7 DAY>		YES	349,083	
ROYDEN CONST. (PALCO)	411,055					
TIFFANY CONST. CO. (WATSON)	557,940					
CIMETTA ENGR & CONST. (FLS)	567,800		519,800			

Item	Description	Contractors					
		Sundt	Maya	Hensler	Royden	Tiffany	Cimetta
101	Construct Mill Wash Diversion Channel, Complete	\$17,870	\$17,675	\$19,722	\$25,000	\$33,772	\$32,532
102	Earthwork, Heap Leach Facility, Complete	\$208,970	\$125,523	\$159,122	\$161,515	\$260,891	\$233,687
103	Install & Test PVC & Hypalon Geomembrane Liners, Complete	\$131,100	\$188,486	\$199,961	\$214,540	\$228,263	\$229,401
104	Place and Install Shotcrete Spillway Protection and Geotextile Underliner, Complete	\$8,300	\$2,602	\$3,249	\$10,000	\$35,014	\$72,180
	Original Bid	\$366,240	\$334,286	\$382,054	\$411,055	\$557,940	\$567,800
	Credit for substitution of HDPE for PVC/Hypalon Ruberized Asphalt for PVC/Hyp	(\$25,000)		(\$33,021)			(\$48,000)
	Alternate Bid	\$341,240	\$334,286	\$349,033			\$519,800

HENSLEY

HEAP LEACH FACILITY, VULTURE MINE

BID ITEM SCHEDULE

The undersigned hereby proposes to furnish all labor and materials for the Heap Leach Facility, Vulture Mine for A.F. Budge (Mining) Limited in strict accordance with these Contract Documents, at the lump sum prices set forth below. (Note: Where descriptions include preparatory work, the price for the Bid Item or portion of a Bid Item shall include the cost of said preparatory work. Mobilization, demobilization, haul roads and maintenance, housing and travel expenses, surveying, management overhead and any other cost not specifically detailed by an individual bid item shall be considered incidental to the Work and the cost therefore included within the prices.)

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>LUMP SUM</u>
101	Construct Mill Wash Diversion Channel, Complete	19,722.00
102	Earthwork, Heap Leach Facility, Complete	159,122.00
103	Install & Test (Air Lance Method) PVC & Hypalon Geomembrane Liners, Complete	199,961.00
104	Place & Install Shotcrete Spillway Protection & Geotextile Underliner, Complete	3,249.00

TOTAL BASE BID (Sum of Items 101 through 104)

Three Hundred Eighty Two Thousand, Fifty Four Dollars
(Words)

382,054.00
(Figures)

Bidders certifies by offering and signing this bid in the appropriate place that the lump sum bid prices include any and all applicable sales and other taxes, and any and all applicable fees, charges and permits, licenses, and the like which may be required by any governmental agency or other applicable organization for the performance of the work.

By Contractor's Authorized Representative:

Title: President

Date: March 14, 1988

Note: Bid is not valid unless this bid schedule is signed.

BD-10



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SUNDT

HEAP LEACH FACILITY, VULTURE MINE

BID ITEM SCHEDULE

The undersigned hereby proposes to furnish all labor and materials for the Heap Leach Facility, Vulture Mine for A.F. Budge (Mining) Limited in strict accordance with these Contract Documents, at the lump sum prices set forth below. (Note: Where descriptions include preparatory work, the price for the Bid Item or portion of a Bid Item shall include the cost of said preparatory work. Mobilization, demobilization, haul roads and maintenance, housing and travel expenses, surveying, management overhead and any other cost not specifically detailed by an individual bid item shall be considered incidental to the Work and the cost therefore included within the prices.)

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>LUMP SUM</u>
101	Construct Mill Wash Diversion Channel, Complete	\$ 17,870.00
102	Earthwork, Heap Leach Facility, Complete	\$208,970.00
103	Install & Test (Air Lance Method) PVC & Hypalon Geomembrane Liners, Complete	\$131,100.00 ^{GW}
104	Place & Install Shotcrete Spillway Protection & Geotextile Underliner, Complete	\$ 8,300.00 ^{GW}

TOTAL BASE BID (Sum of Items 101 through 104)

THREE HUNDRED SIXTY SIX THOUSAND TWO HUNDRED FORTY FIVE DOLLARS ^{341,240} ^{366,240.00} ^{GW}
 (Words) (Figures)

Bidders certifies by offering and signing this bid in the appropriate place that the lump sum bid prices include any and all applicable sales and other taxes, and any and all applicable fees, charges and permits, licenses, and the like which may be required by any governmental agency or other applicable organization for the performance of the work.

By Contractor's Authorized Representative: M.A. Hustad
 Title: Sr. Vice President

Date: March 14, 1988

Note: Bid is not valid unless this bid schedule is signed.

BD-10



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TIFFANY

HEAP LEACH FACILITY, VULTURE MINE

BID ITEM SCHEDULE

The undersigned hereby proposes to furnish all labor and materials for the Heap Leach Facility, Vulture Mine for A.F. Sudge (Mining) Limited in strict accordance with these Contract Documents, at the lump sum prices set forth below. (Note: Where descriptions include preparatory work, the price for the Bid Item or portion of a Bid Item shall include the cost of said preparatory work. Mobilization, demobilization, haul roads and maintenance, housing and travel expenses, surveying, management overhead and any other cost not specifically detailed by an individual bid item shall be considered incidental to the Work and the cost therefore included within the prices.)

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>LUMP SUM</u>
101	Construct Mill Wash Diversion Channel, Complete	<u>33,772.00</u>
102	Earthwork, Heap Leach Facility, Complete	<u>240,891.00</u>
103	Install & Test (Air Lance Method) PVC & Hypalon Geomembrane Liners, Complete	<u>228,263.00</u>
104	Place & Install Shotcrete Spillway Protection & Geotextile Underliner, Complete	<u>35,014.00</u>

TOTAL BASE BID (Sum of Items 101 through 104)

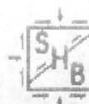
FIVE HUNDRED FIFTY SEVEN THOUSAND
ONE HUNDRED AND FORTY DOLLARS ✓ \$ 557,940.00
 (Words) \$ 00/100 (Figures)

Bidders certifies by offering and signing this bid in the appropriate place that the lump sum bid prices include any and all applicable sales and other taxes, and any and all applicable fees, charges and permits, licenses, and the like which may be required by any governmental agency or other applicable organization for the performance of the work.

By Contractor's Authorized Representative: Jim GayTitle: Chief EstimatorDate: March 14, 1988

Note: Bid is not valid unless this bid schedule is signed.

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\$12,800

Five hundred sixty seven thousand and eight hundred dollars

\$367,800

(Filing)

Title: President

Date: 3/14/88

Note: Bid is not valid unless this bid schedule is signed.

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ROYDEN

HEAP LEACH FACILITY, VULTURE MINE

BID ITEM SCHEDULE

The undersigned hereby proposes to furnish all labor and materials for the Heap Leach Facility, Vulture Mine for A.R. Budge (Mining) Limited in strict accordance with these Contract Documents, at the lump sum prices set forth below. (Note: Where descriptions include preparatory work, the price for the Bid Item or portion of a Bid Item shall include the cost of said preparatory work. Mobilization, demobilization, haul roads and maintenance, housing and travel expenses, surveying, management overhead and any other cost not specifically detailed by an individual bid item shall be considered incidental to the Work and the cost therefore included within the prices.)

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>LUMP SUM</u>
101	Construct Mill Wash Diversion Channel, Complete	\$ 25,000 ⁰⁰
102	Earthwork, Heap Leach Facility, Complete	\$ 161,515 ⁰⁰
103	Install & Test (Air Lance Method) PVC & Hypalon Geomembrane Liners, Complete	\$ 214,540 ⁰⁰
104	Place & Install Shotcrete Spillway Protection & Geotextile Underliner, Complete	\$ 10,000 ⁰⁰

TOTAL BASE BID (Sum of Items 101 through 104)

FOUR HUNDRED ELEVEN THOUSAND FIFTY FIVE DOLLARS ✓
(Words)

\$ 411,055⁰⁰
(Figures)

Bidders certifies by offering and signing this bid in the appropriate place that the lump sum bid prices include any and all applicable sales and other taxes, and any and all applicable fees, charges and permits, licenses, and the like which may be required by any governmental agency or other applicable organization for the performance of the work.

By Contractor's Authorized Representative:

G. Bradshaw

Title:

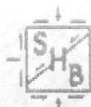
V.P. & Treasurer

Date:

March 14, 1988

Note: Bid is not valid unless this bid schedule is signed.

BD-10



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MAYA

HEAP LEACH FACILITY, VULTURE MINE

BID ITEM SCHEDULE

The undersigned hereby proposes to furnish all labor and materials for the Heap Leach Facility, Vulture Mine for A.P. Budge (Mining) Limited in strict accordance with these Contract Documents, at the lump sum prices set forth below. (Note: Where descriptions include preparatory work, the price for the Bid Item or portion of a Bid Item shall include the cost of said preparatory work. Mobilization, demobilization, haul roads and maintenance, housing and travel expenses, surveying, management overhead and any other cost not specifically detailed by an individual bid item shall be considered incidental to the Work and the cost therefore included within the prices.)

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>LUMP SUM</u>
101	Construct Mill Wash Diversion Channel, Complete	\$ 17,674.85
102	Earthwork, Heap Leach Facility, Complete	\$ 125,523.34
103	Install & Test (Mr. Lance Netao) PVC & Hypalon Geomembrane Liners, Complete	\$ 218,486.72
104	Place & Install Shotcrete Spillway Protection & Geotextile Underliner, Complete	\$ 2602.09

TOTAL BASE BID (Sum of Items 101 through 104)

354,287

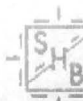
Three Hundred Fifty Four Thousand, Two Hundred Eighty Seven Dollars (Words) 354,287.00 (Figures)

Bidders certifies by offering and signing this bid in the appropriate place that the lump sum bid prices include any and all applicable sales and other taxes, and any and all applicable fees, charges and permits, licenses, and the like which may be required by any governmental agency or other applicable organization for the performance of the work.

By Contractor's Authorized Representative: Lee Ziegler
 Title: Vice President/Operations
 Date: 3-14-88

Note: Bid is not valid unless this bid schedule is signed.

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APPLIED SOIL MECHANICS • ENGINEERING GEOLOGY • MATERIALS ENGINEERING • HYDROLOGY

B. DWAIN SERGENT, P.E.
LAWRENCE A. HANSEN, PH.D., P.E.
RALPH E. WEEKS, P.G.
DARREL L. BUFFINGTON, P.E.
DONALD VAN BUSKIRK, P.G.
DALE V. BEDENKOP, P.E.

JOHN B. HAUSKINS, P.E.
MICHAEL L. RUCKER, P.E.
ROBERT W. CROSSLEY, P.E.
JONATHAN A. CRYSTAL, P.E.
PAUL V. SMITH, P.G.
NORMAN H. WETZ, P.E.

GEORGE H. BECKWITH, P.E.
ROBERT L. FREW
JAMES H. CLARY, C.P.G.
NICHOLAS T. KORECKI, P.E.
GERALD P. LINDSEY, P.G.
RONALD E. RAGER, P.G.

ROBERT D. BOOTH, P.E.
SUANG CHENG, P.E.
JAMES R. FAHY, P.E.
MICHAEL HULPKE, P.G.
DAVID E. PETERSON, P.G.
ALBERT C. RUCKMAN, P.E.
PAUL KAPLAN, P.E.

August 26, 1987

A. F. Budge (Mining) Limited
7340 East Shoeman Lane
Suite 111 "B" (E)
Scottsdale, Arizona 85251-3335

SHB Proposal No. 87-8-28

Attention: A. J. Fernandez
Senior Mining Engineer

DMEA LTD.

AUG 26 1987

RECEIVED

Re: Heap Leach Facility Design
Vulture Mine Project
Near Wickenburg, Arizona

Gentlemen:

In response to the request of A. J. Fernandez, Senior Mining Engineer of A. F. Budge (Mining) Limited (AFB), presented herein is Sergeant, Hauskins & Beckwith Geotechnical Engineers, Inc.'s (SHB) proposal for providing engineering services for final design of the heap leach facility for the Vulture Mine project.

These services would include the following:

1. Preparation of final plans and technical specifications for the final arrangement of the facilities, and for the diversion channel.
2. Consultation with AFB concerning monitoring plans, as discussed in the letter to AFB from the Arizona Department of Environmental Quality (ADEQ) dated August 5, 1987, including meetings with ADEQ, as required.

REPLY TO: 3232 W. VIRGINIA, PHOENIX, ARIZONA 85009

PHOENIX
(602) 272-6848

TUCSON
(602) 792-2779

ALBUQUERQUE
(505) 884-0950

SANTA FE
(505) 471-7836

SALT LAKE CITY
(801) 266-0720

EL PASO
(915) 778-3369

3. Technical assistance to AFB regarding other requirements, comments or questions posed in the ADEQ letter of August 5, 1987, including design of the containment/disposal facilities, contingency plans and closure plans.
4. Development of plans and technical specifications for the leak collection/detection system selected to meet the requirements of the ADEQ.

The scope of work for Item 1 was outlined in SHB's original proposal for the project dated December 4, 1986 (with Addendum No. 1 dated December 16, 1986). It is our understanding the required size of the leach pad has been reduced from that shown in the preliminary plans. It is presently proposed to leach only the existing tailings, though trial leaching of ore from the open pit may also be accomplished. Preparation of final design plans would incorporate these project changes as necessary. Development of final plans for the leach pad, pond and diversion channel areas will require topographic mapping having a maximum contour interval of 2 feet, particularly in the diversion channel area. It is our understanding AFB will provide the required mapping for these areas.

The scope of work for Items 2 and 3 above is general and cannot be completely defined at this time. However, several alternatives for collection/detection systems at the perimeter of the pad and storm water pond can be considered, including collection wells, cased holes for neutron logging of moisture changes and horizontal wick drains beneath the



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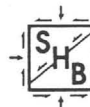
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pad. In addition, discussions of the need for collection/detection systems for certain facilities will be developed considering the secondary containment provided by geologic conditions, the attenuation of cyanide by site soils, the very short operational life of the leach pad and other factors.

The scope of services for Item 4 will be dependent on the agreements anticipated to be reached between AFB and ADEQ as part of Item 2. However, design and installation details for the monitoring system selected would be developed and included with the final plans and technical specifications.

Development of plans and specifications can begin as soon as this proposal is accepted and a notice-to-proceed is received. It is estimated that between two and three weeks will be required to complete this item of the scope of work. Completion of Items 2, 3 and 4 cannot be predicted with certainty; however, the work can begin at the same time as Item 1.

Our original estimate of charges for providing final design plans and technical specifications was \$4,000,000. Since the overall scope of the facility has not ^{4,000.00} changed significantly, this same amount is still proposed for Item 1. Though detailed costs for Items 2, 3 and 4 cannot be predicted, it is proposed that a budget amount of \$2,000,000 be established. SHB will keep AFB apprised of all charges to



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Heap Leach Facility Design
Vulture Mine Project
Near Wickenburg, Arizona
SHB Proposal No. 87-8-28

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the project in a timely manner, and will not exceed the total budgeted amount of \$6,000,~~000~~ without prior approval.

Should there be any questions concerning this proposal, we would be pleased to discuss them with you.

Respectfully submitted,
Sergent, Hauskins & Beckwith Engineers

By 
Lawrence A. Hansen, Ph.D., P.E.

Copies: Addressee (2)



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