FIG. 8

AMERICAN ALLOY METALS INC.
WEST SIDE OPEN CUT
LOST COPPER CLAIM
SCALE 1" = 2'
NOV. 1, 1951

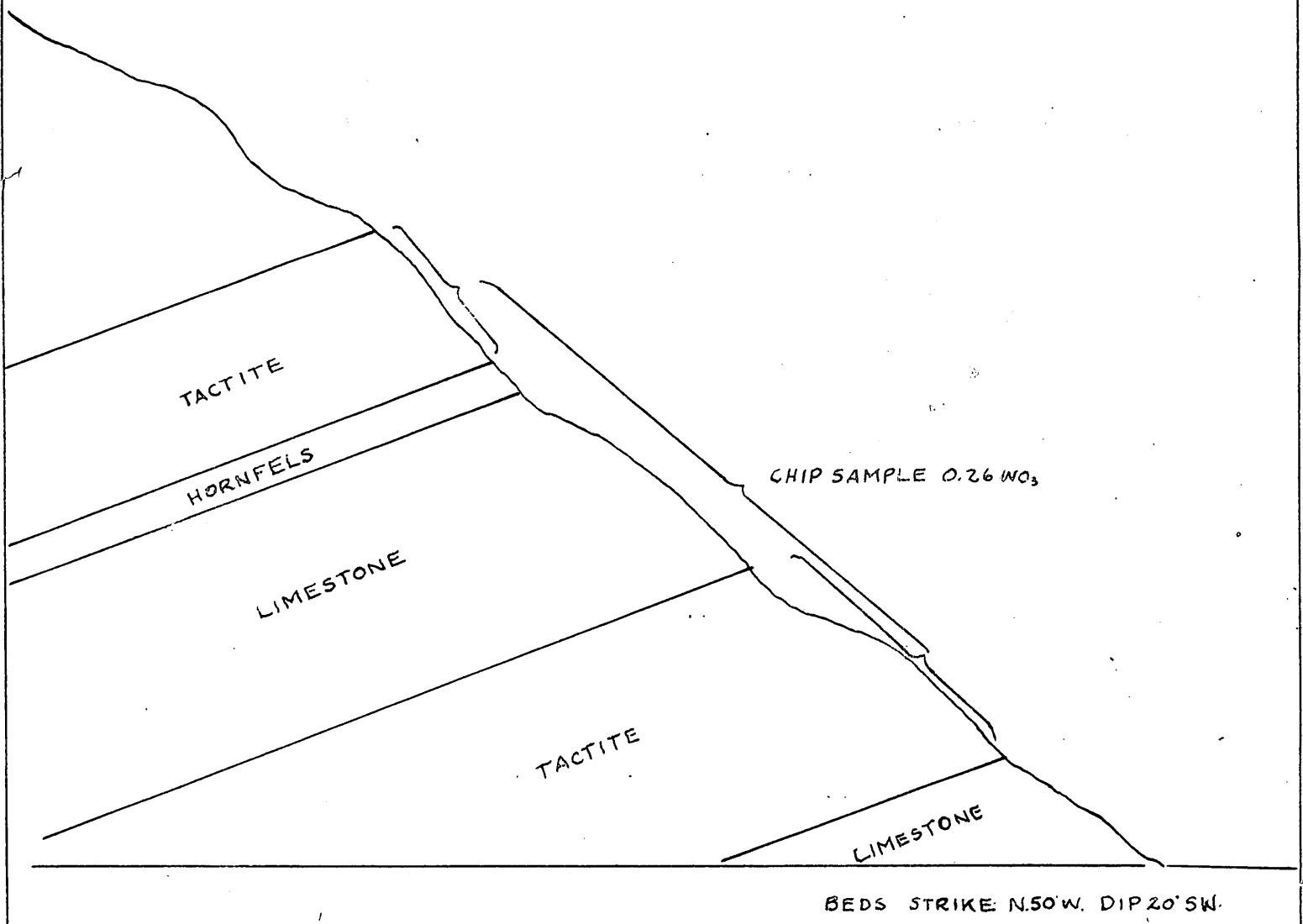


FIG. 1

AMERICAN ALLOY METALS INC.
CROSS SECTION NO. 1 & 4 HOLE
IVANHOE CLAIM
SCALE 1" = 50' NOV. 1, 1951

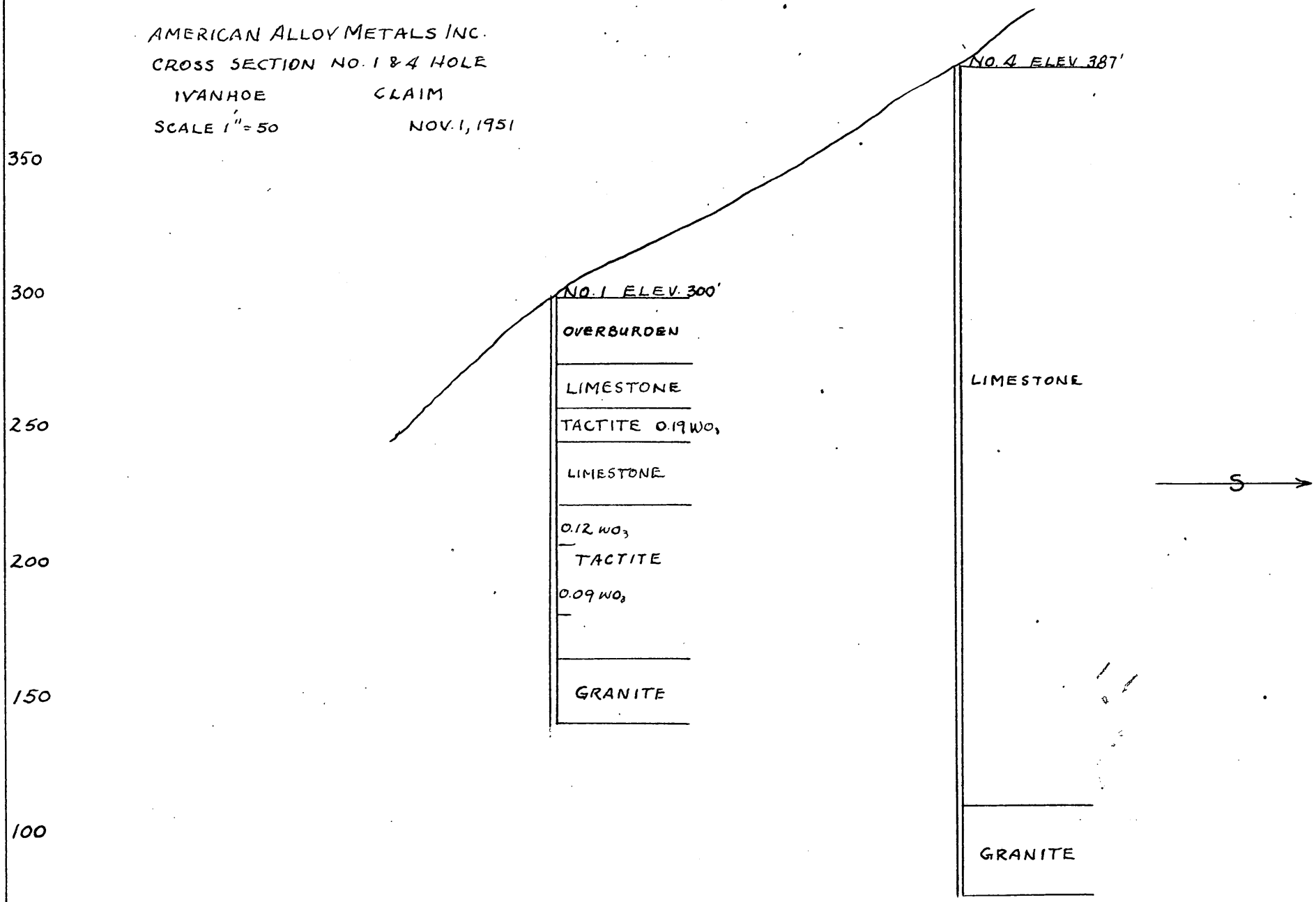
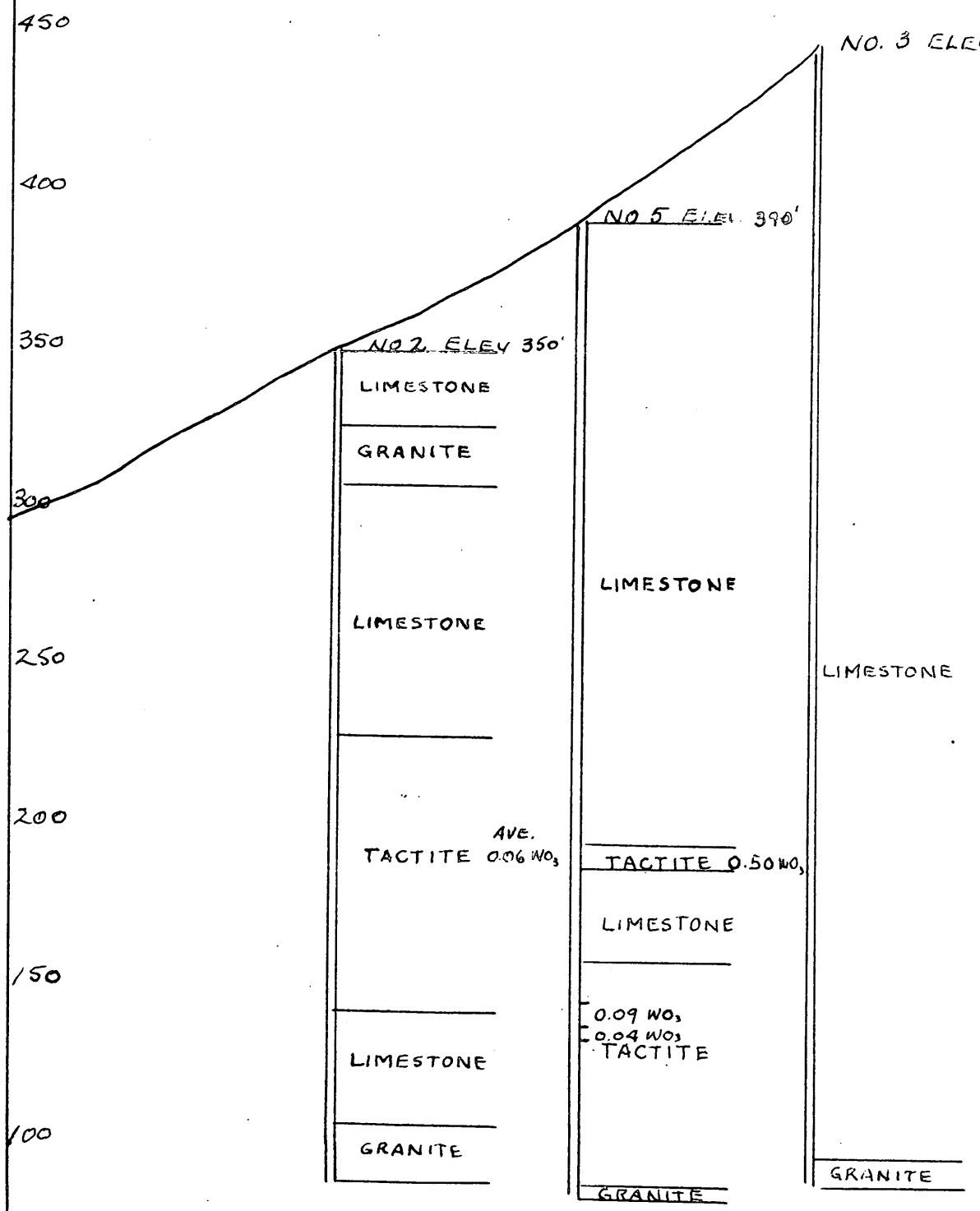


FIG. 2



AMERICAN ALLOY METALS INC.

CROSS SECTION NO. 2, 5 & 3 HOLES

IVANHOE CLAIM

SCALE 1" = 50' NOV. 1, 1951

S

FIG. 3

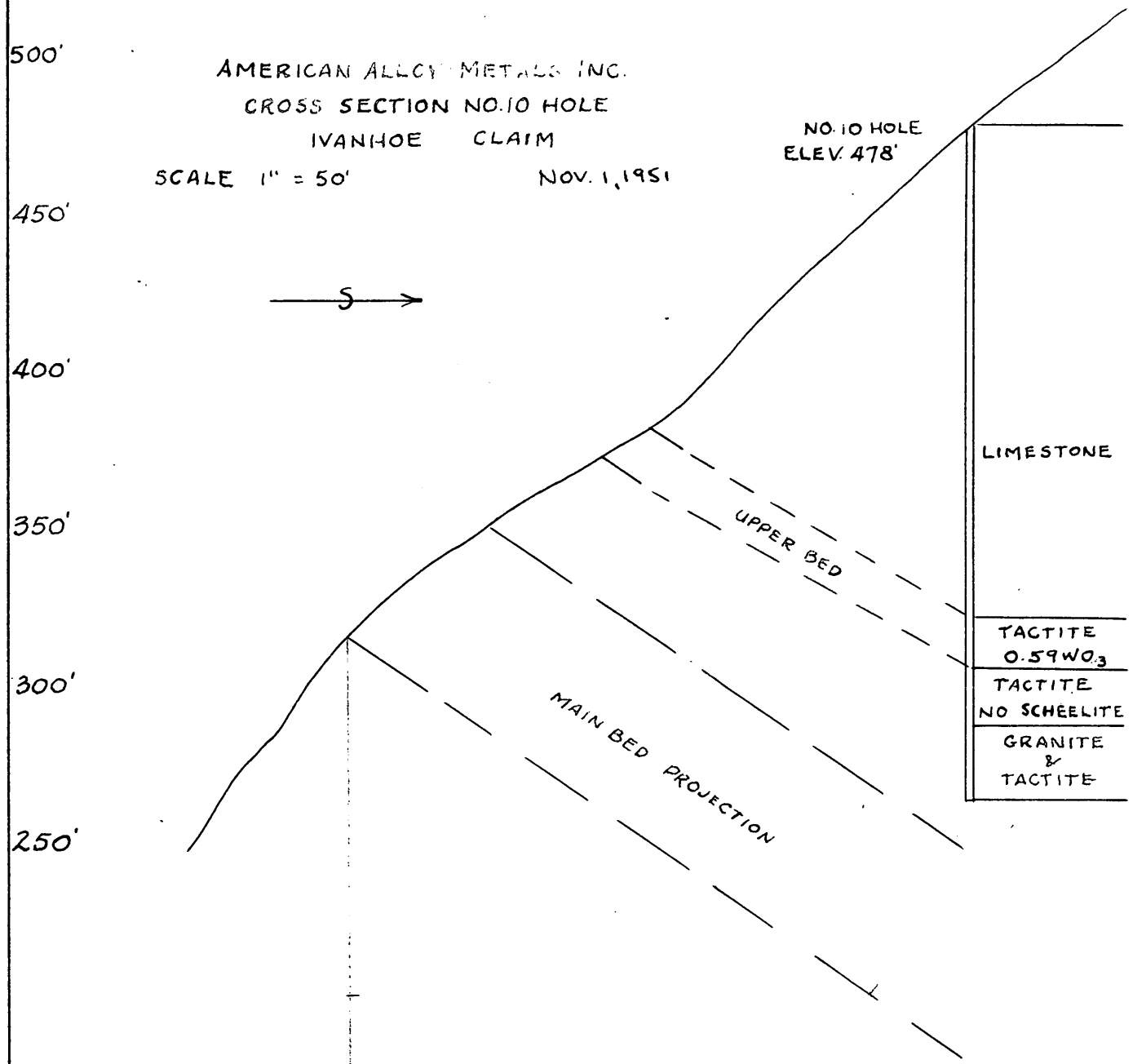

AMERICAN ALLOY METALS INC.
CROSS SECTION NO. 10 HOLE
IVANHOE CLAIM
SCALE 1" = 50'
NOV. 1, 1951
500'
450'
400'
350'
300'
250'
S
NO. 10 HOLE
ELEV. 478'
LIMESTONE
UPPER BED
TACTITE
0.59 WO3
TACTITE
NO SCHEELITE
GRANITE
&
TACTITE
MAIN BED PROJECTION

FIG. 4

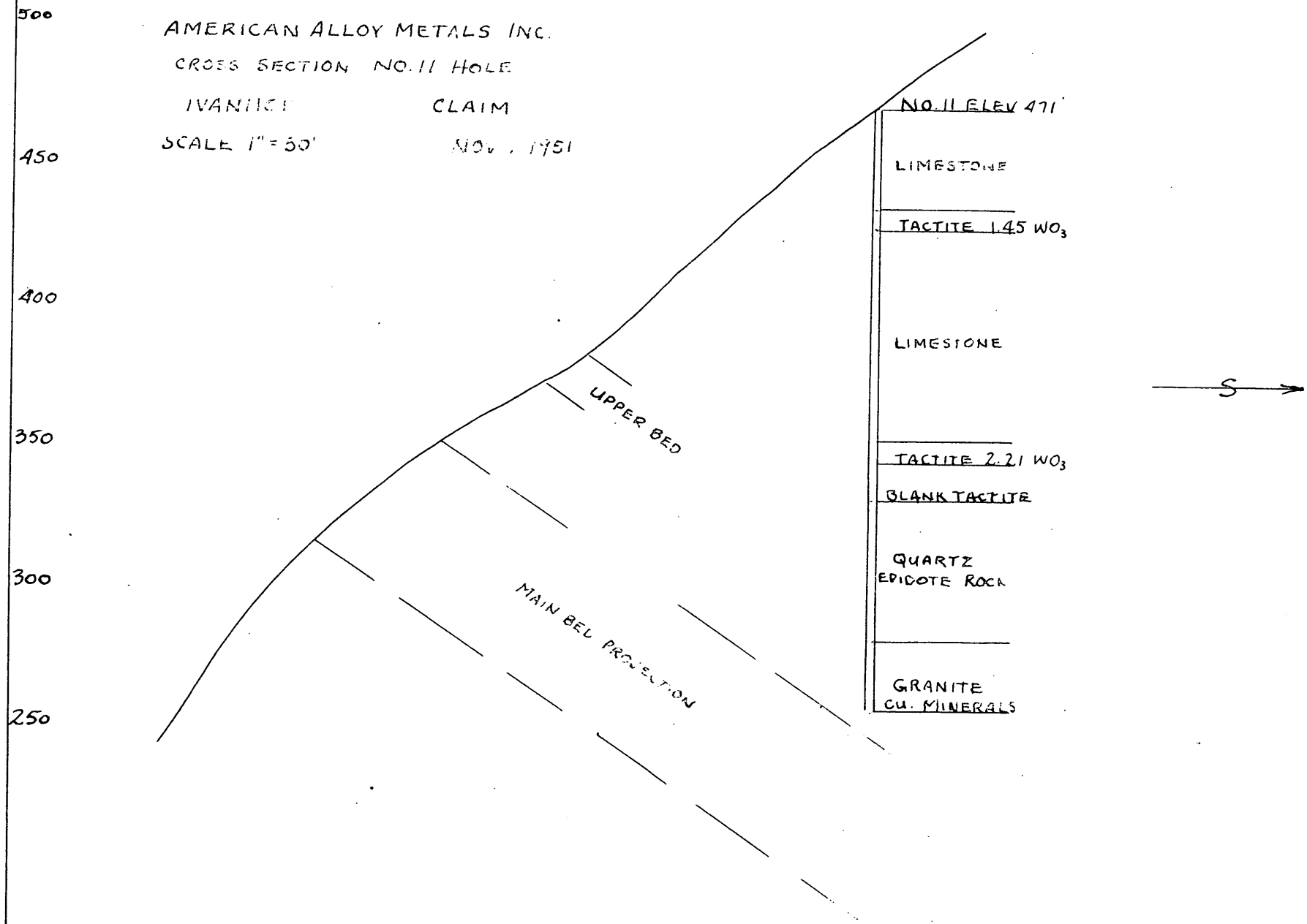

AMERICAN ALLOY METALS INC.
CROSS SECTION NO. 11 HOLE
IVANHOE CLAIM
SCALE 1" = 50'
NOV. 1951
500
450
400
350
300
250
UPPER BED
MAIN BED PROJECTION
NO. 11 ELEV 471'
LIMESTONE
TACTITE 1.45 WO_3
LIMESTONE
TACTITE 2.21 WO_3
BLANK TACTITE
QUARTZ
EPIDOTE ROCK
GRANITE
CU. MINERALS
S

FIG. 5

AMERICAN ALLOY METALS INC.
NO'S. 1 & 2 WORKINGS
IVANHOE CLAIM

SCALE 1" = 20'

UPPER BED AVE. 0.16 WO_3 - AVE. SAMPLE THICKNESS 33"
MAIN BED 0.57 WO_3 THICKNESS 72"

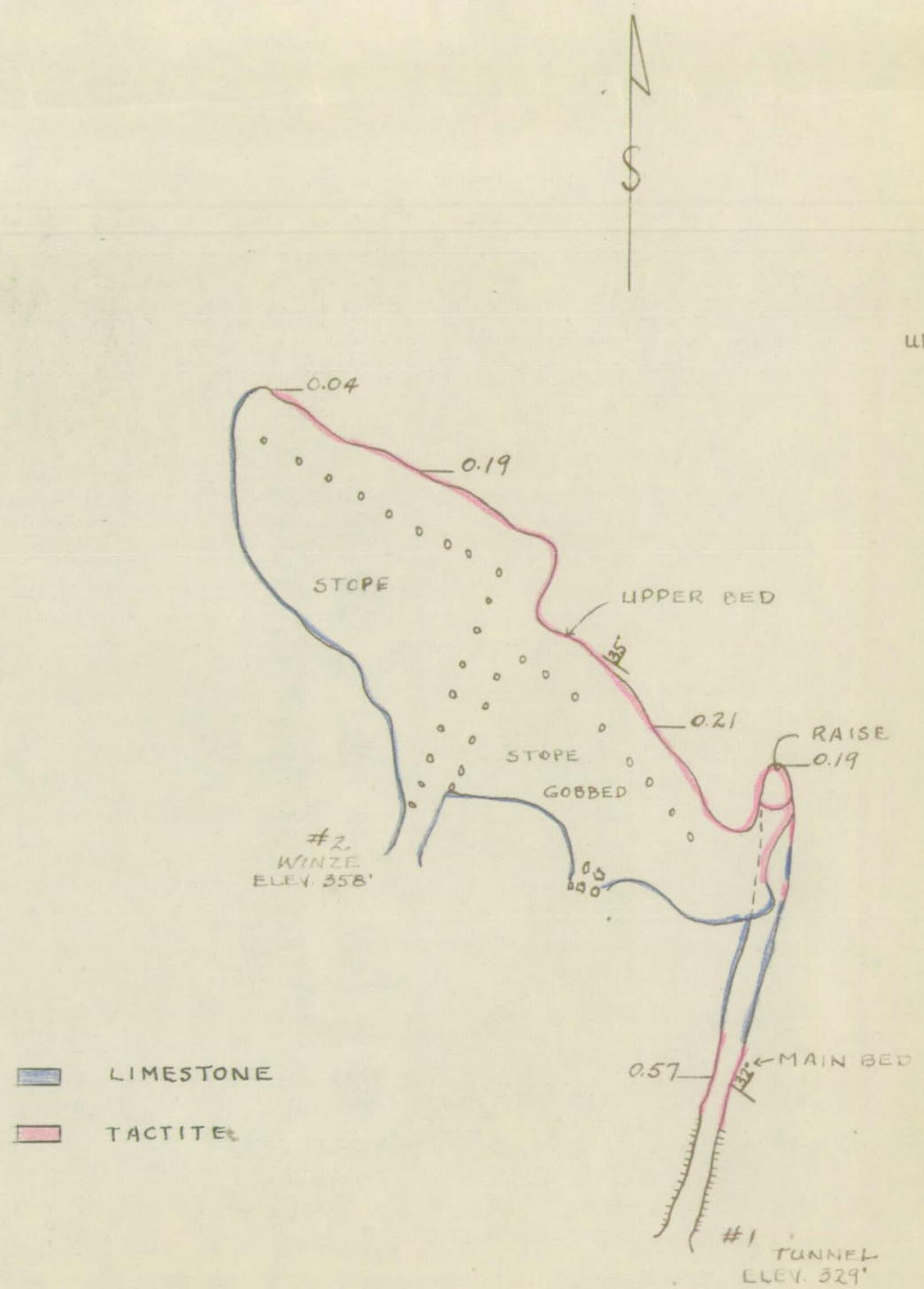
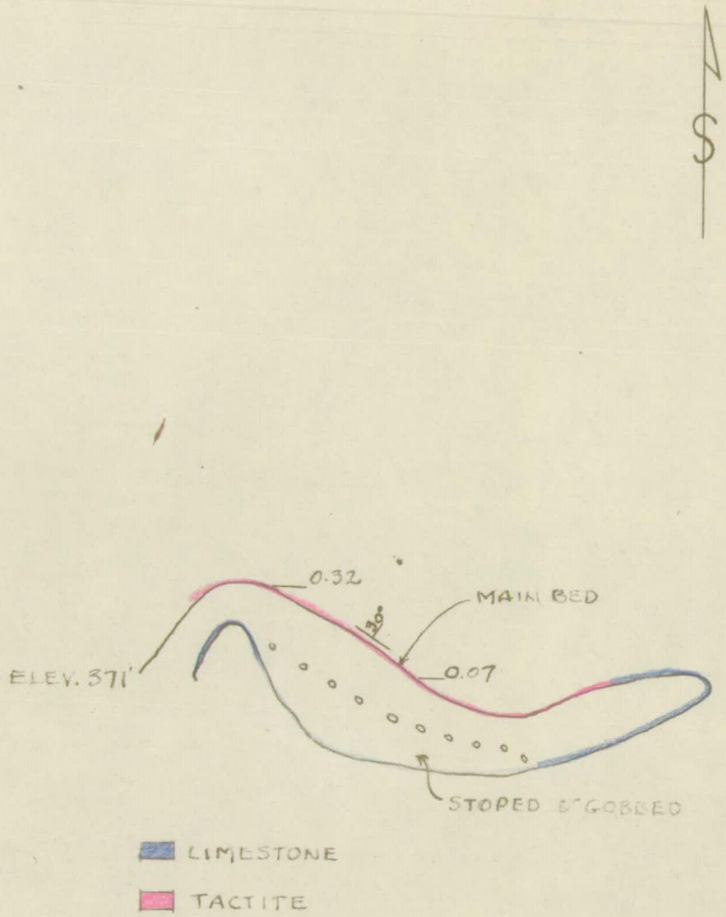


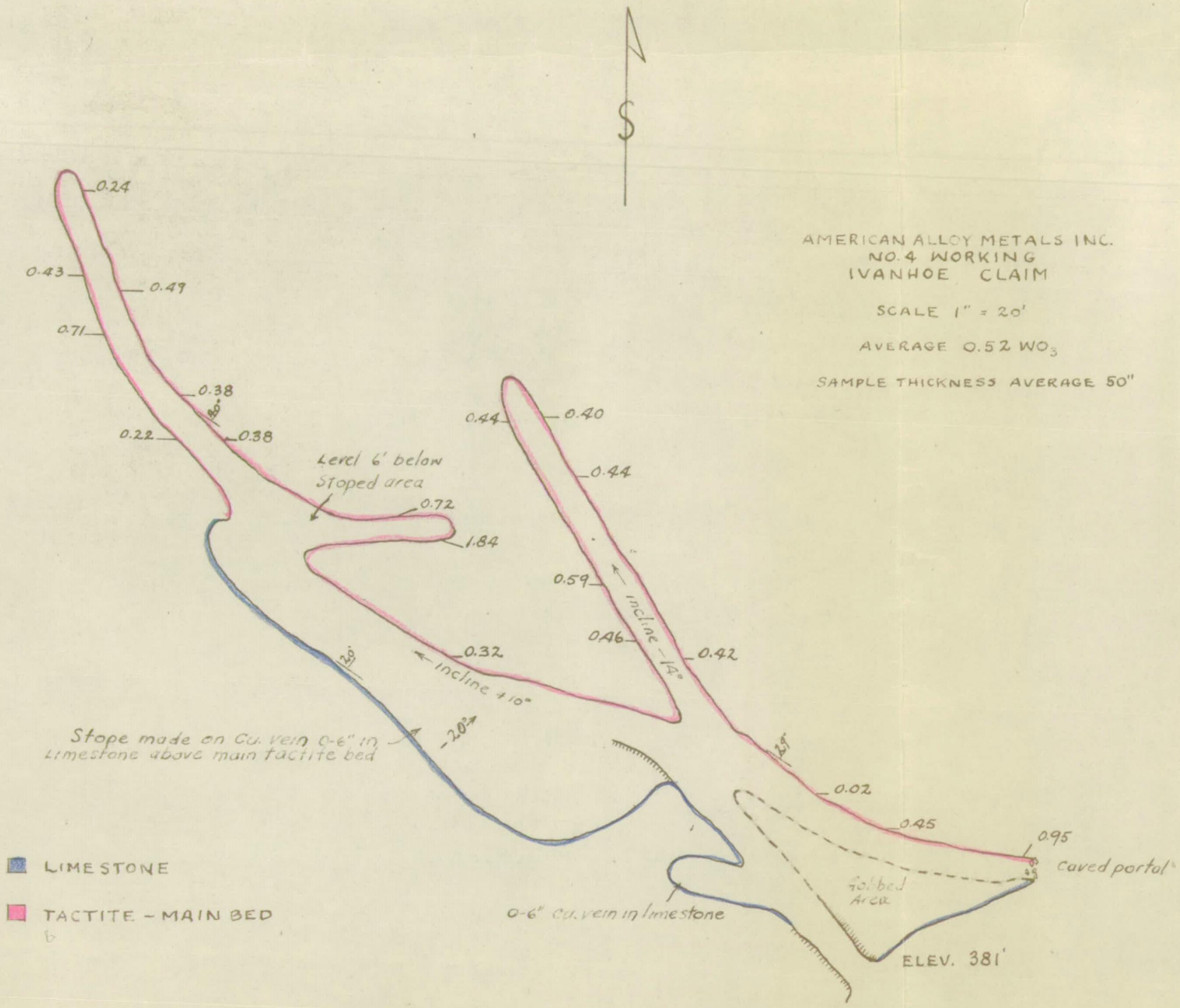
FIG. 6



AMERICAN ALLOY METALS INC.
NO. 3 WORKING
IVANHOE CLAIM

SCALE 1" = 20'

FIG. 7

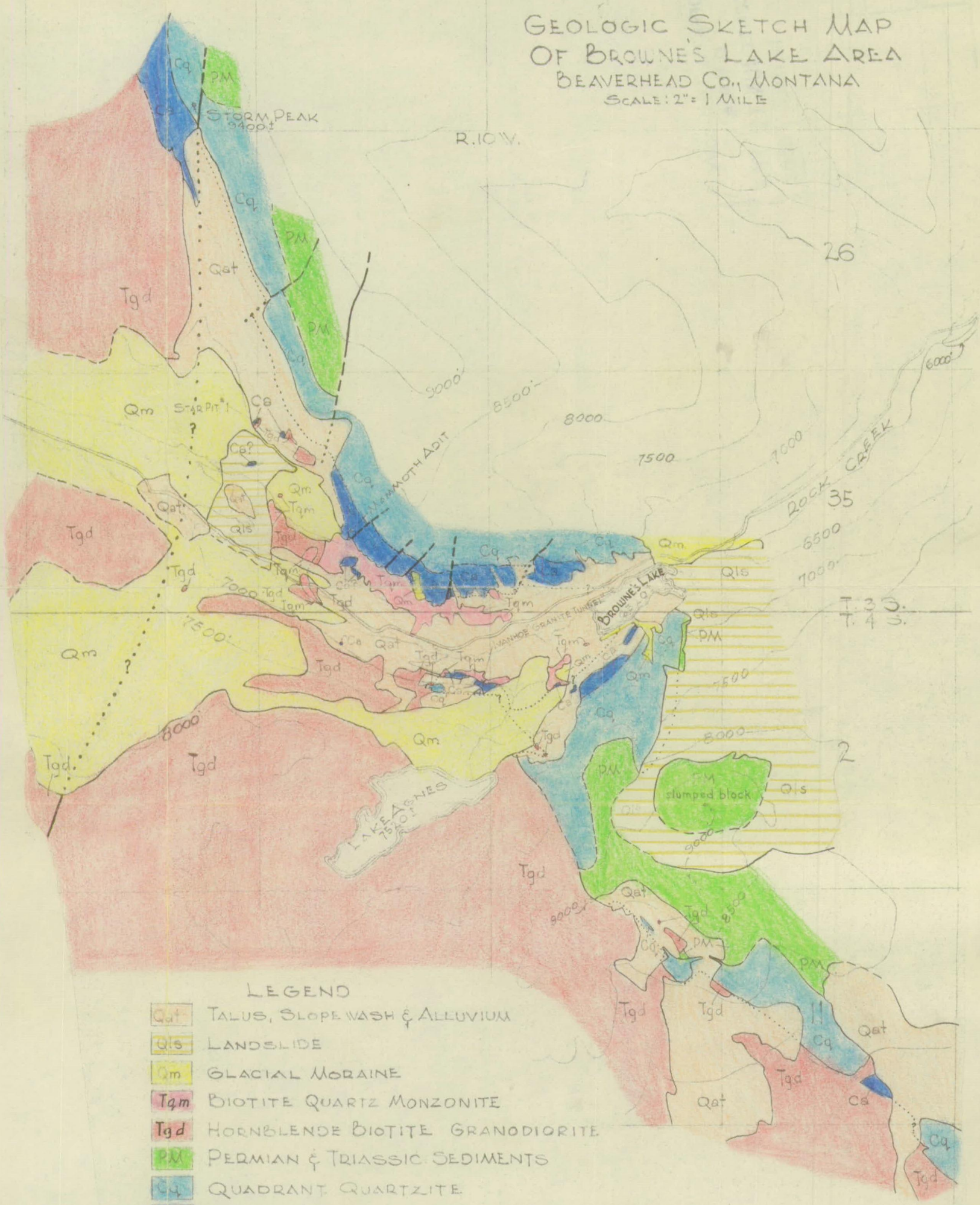

S
AMERICAN ALLOY METALS INC.
NO. 4 WORKING
IVANHOE CLAIM
SCALE 1" = 20'
AVERAGE 0.52 WO_3
SAMPLE THICKNESS AVERAGE 50"
0.24
0.43
0.49
0.71
0.38
40°
0.38
0.22
Level 6' below
Stoped area
0.72
1.84
0.44
0.40
0.44
0.59
incline -14°
0.46
0.42
0.32
incline +10°
20°
-20°
Stope made on Cu. vein 0-6" in
Limestone above main tactite bed
25°
0.02
0.45
0.95
Caved portal
Gobbed
Area
0-6" Cu. vein in limestone
ELEV. 381'
LIMESTONE
TACTITE - MAIN BED

D.M.E.A. DOCKET No. 2292

GEOLOGIC SKETCH MAP OF BROWNE'S LAKE AREA

BEAVERHEAD Co., MONTANA

SCALE: 2" = 1 MILE



LEGEND

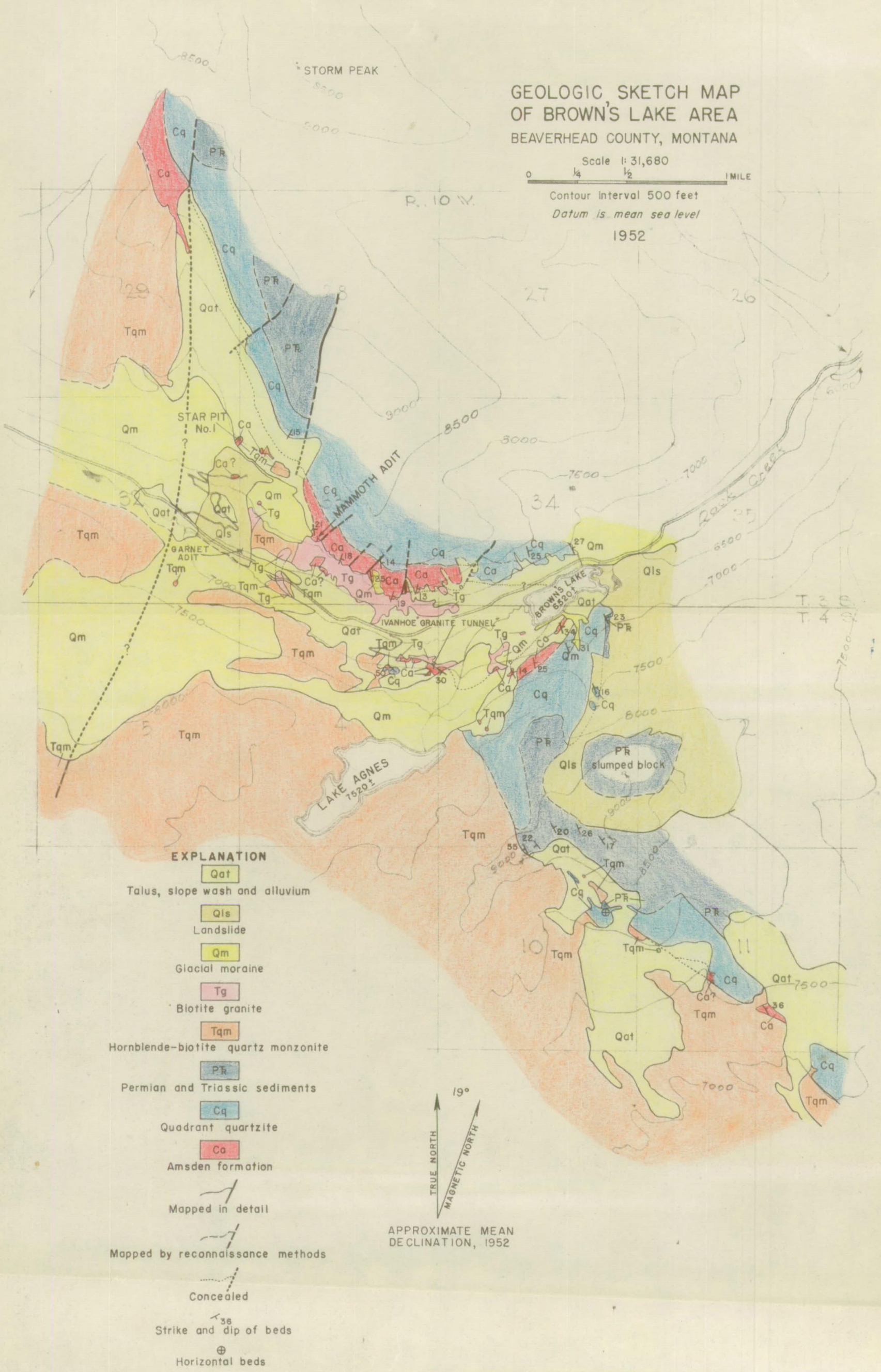
- Qat — TALUS, SLOPE WASH & ALLUVIUM
- Qls — LANDSLIDE
- Qm — GLACIAL MORAINE
- Tqm — BIOTITE QUARTZ MONZONITE
- Tgd — HORNBLENDE BIOTITE GRANODIORITE
- PM — PERMIAN & TRIASSIC SEDIMENTS
- Cq — QUADRANT QUARTZITE
- Cs — AMSDEN FORMATION
- MAPPED IN DETAIL
- MAPPED BY RECONNAISSANCE METHODS
- CONCEALED

BASE FROM U.S. FOREST SERVICE PHOTOGRAMETRIC MAP

PLATE 2

OFFICIAL FILE COPY
D M E A
RECEIVED JUN 17 1957

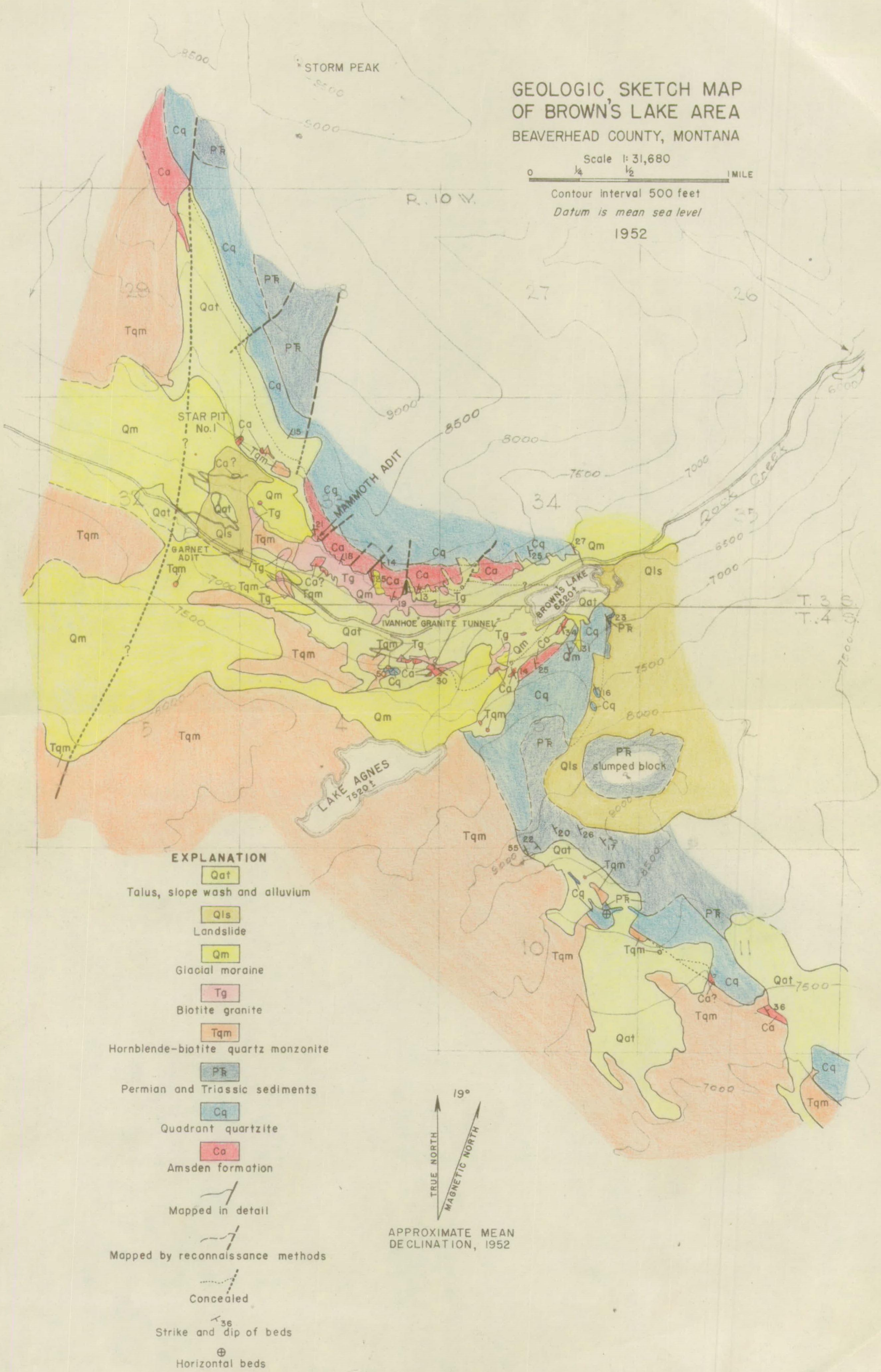
DATE	INITIALS	CODE



THIS MAP IS A PRELIMINARY FIELD MAP SUBJECT TO CORRECTIONS AND HAS NOT BEEN EDITED OR REVIEWED FOR CONFORMITY WITH U. S. GEOLOGICAL SURVEY STANDARDS AND NOMENCLATURE.

BASE FROM U. S. FOREST SERVICE
PHOTOGRAMETRIC MAP

GEOLOGY BY
W. B. MYERS, U. S. G. S.



THIS MAP IS A PRELIMINARY FIELD MAP SUBJECT TO CORRECTIONS AND HAS NOT BEEN EDITED OR REVIEWED FOR CONFORMITY WITH U. S. GEOLOGICAL SURVEY STANDARDS AND NOMENCLATURE.

BASE FROM U. S. FOREST SERVICE
PHOTOGRAMETRIC MAP

GEOLOGY BY
W. B. MYERS, U. S. G. S.

FIG. 1

AMERICAN ALLOY METALS INC.
CROSS SECTION NO. 1 & 4 HOLE
IVANHOE CLAIM
SCALE 1" = 50 NOV. 1, 1951

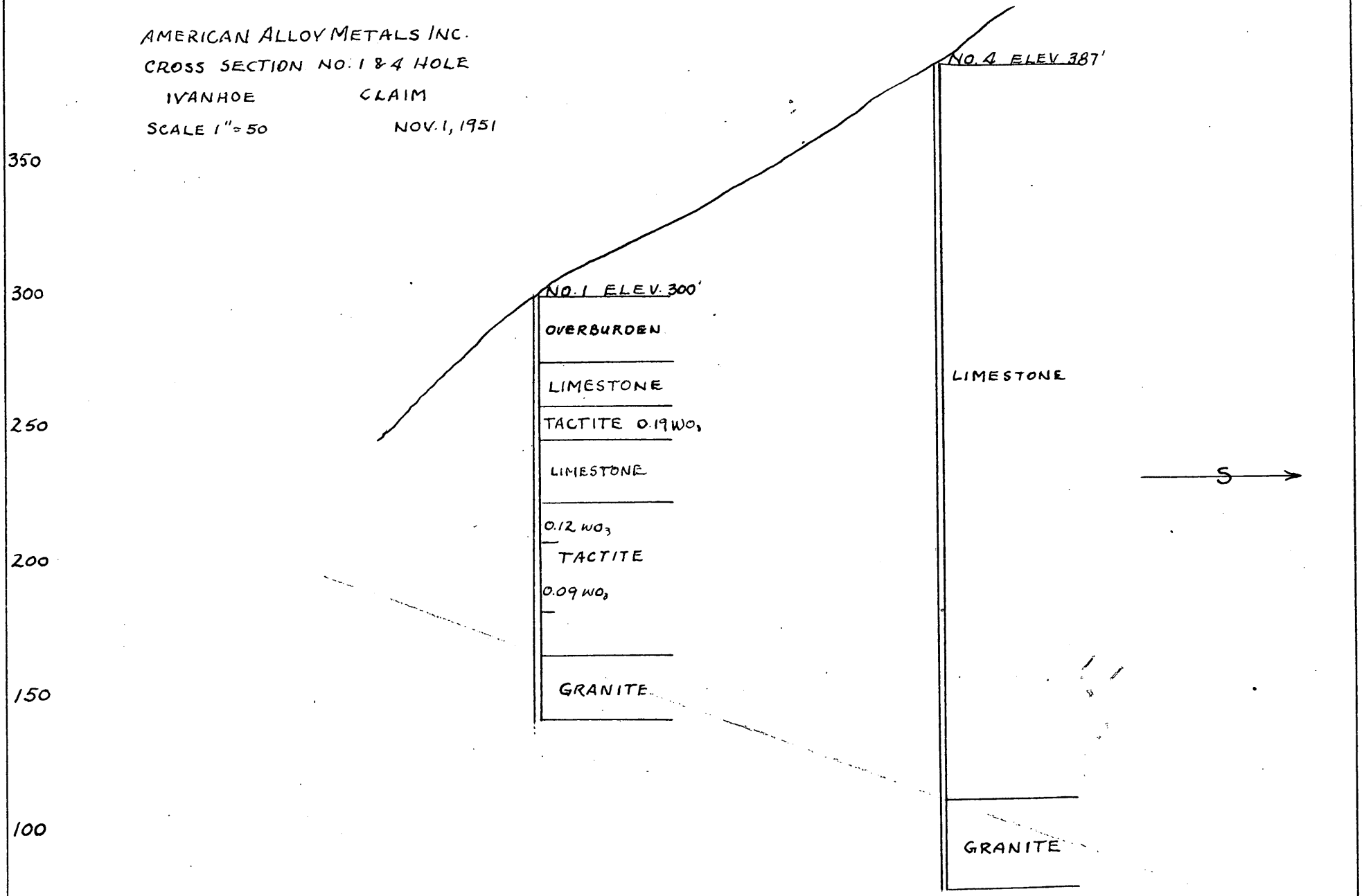
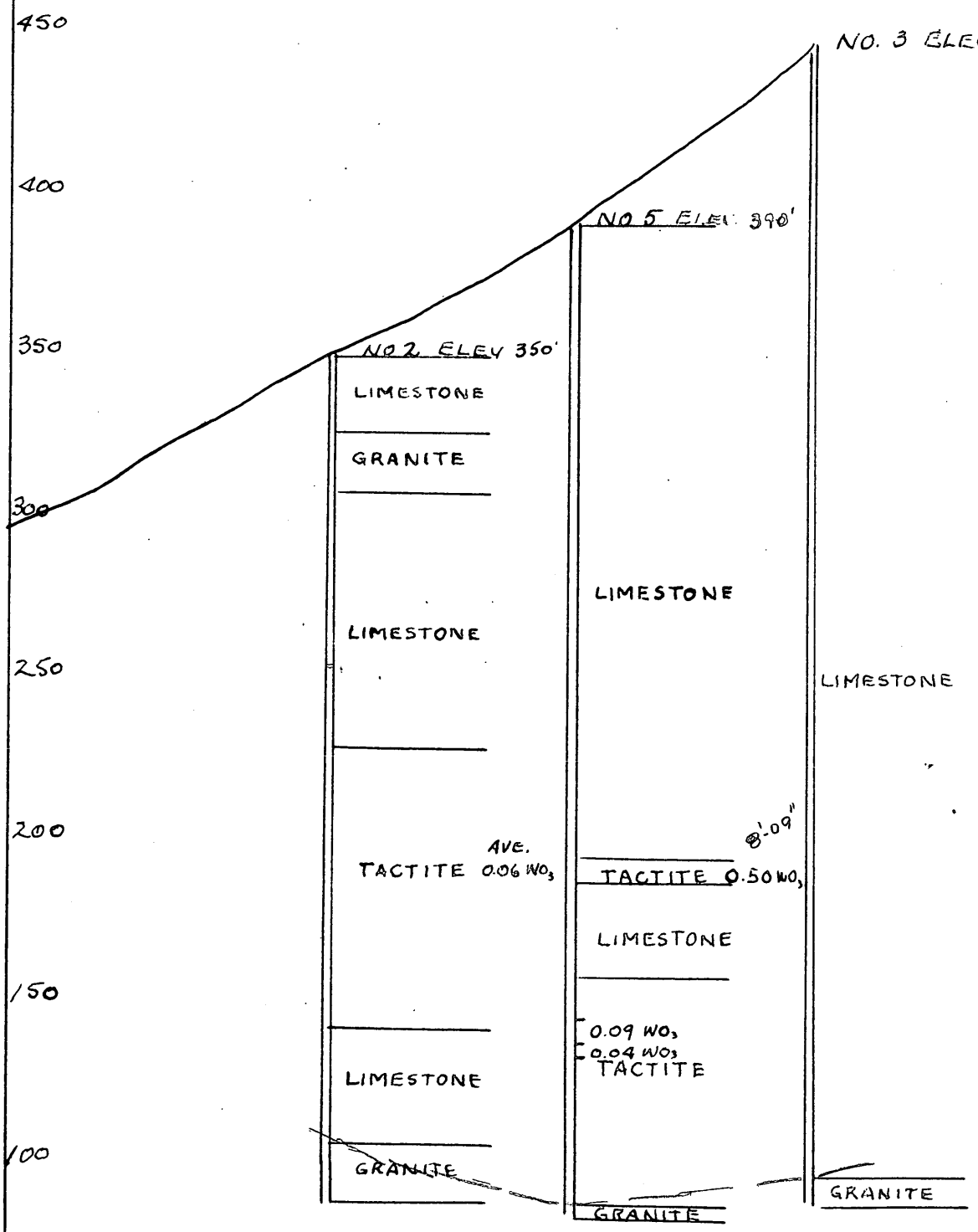


FIG. 2



AMERICAN ALLOY METALS INC.

CROSS SECTION NO. 2, 5 & 3 HOLES

IVANHOE CLAIM

SCALE 1" = 50' NOV. 1, 1951

S

FIG. 3

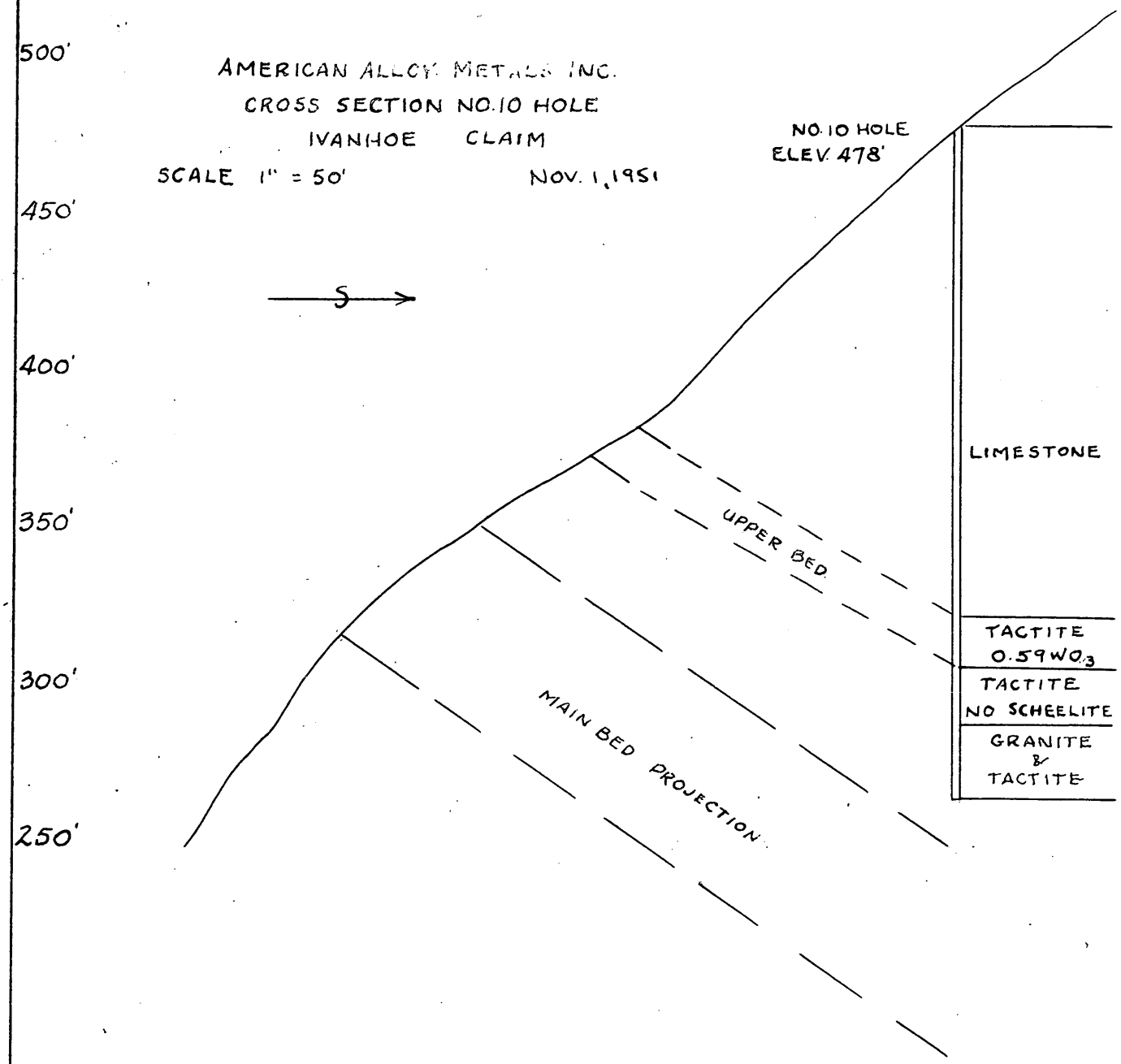

AMERICAN ALLOY METALS INC.
CROSS SECTION NO. 10 HOLE
IVANHOE CLAIM
SCALE 1" = 50'
NOV. 1, 1951
S
500'
450'
400'
350'
300'
250'
NO. 10 HOLE
ELEV. 478'
LIMESTONE
UPPER BED
TACTITE
0.59 WO3
TACTITE
NO SCHEELITE
GRANITE
&
TACTITE
MAIN BED PROJECTION

FIG. 4

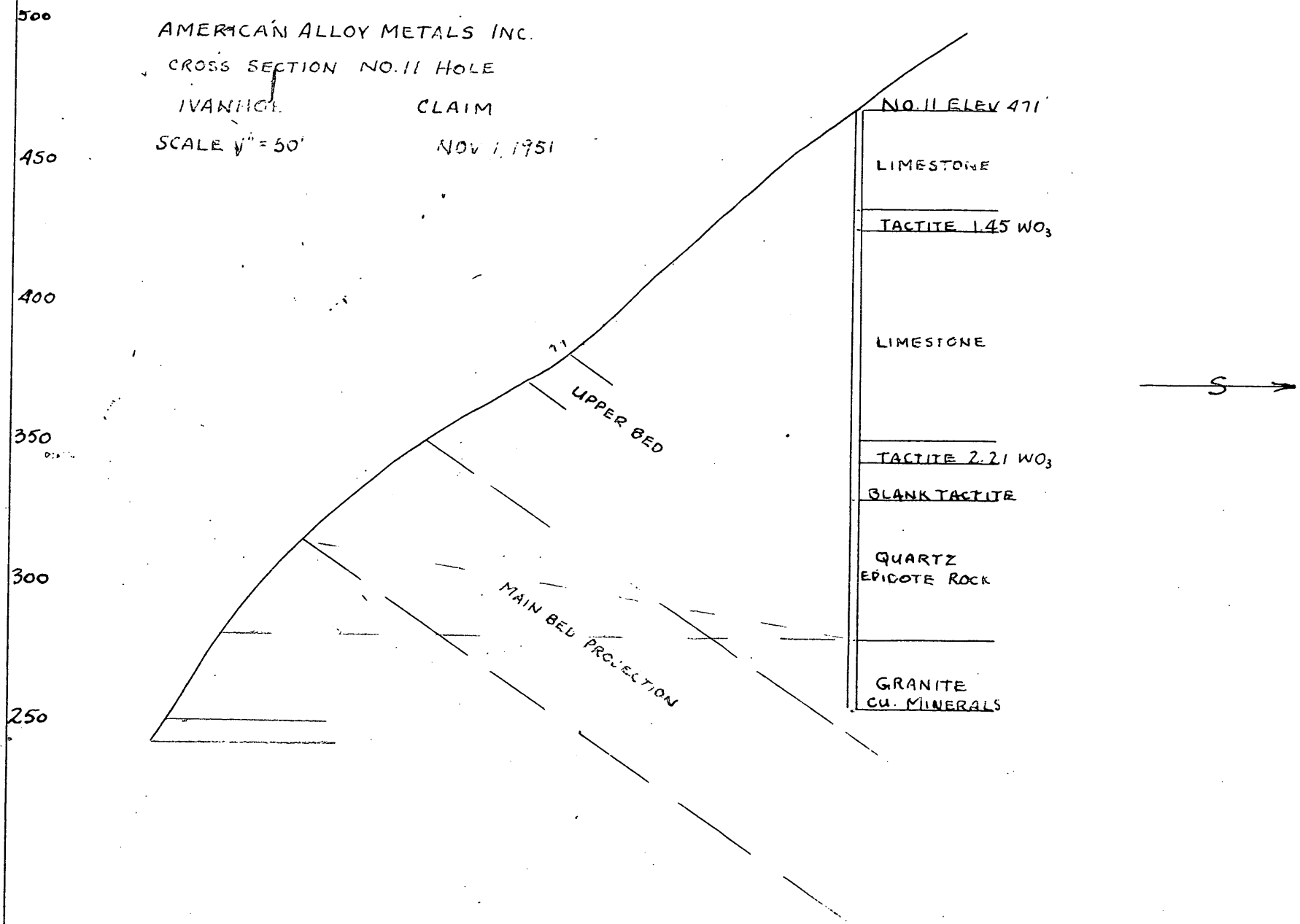
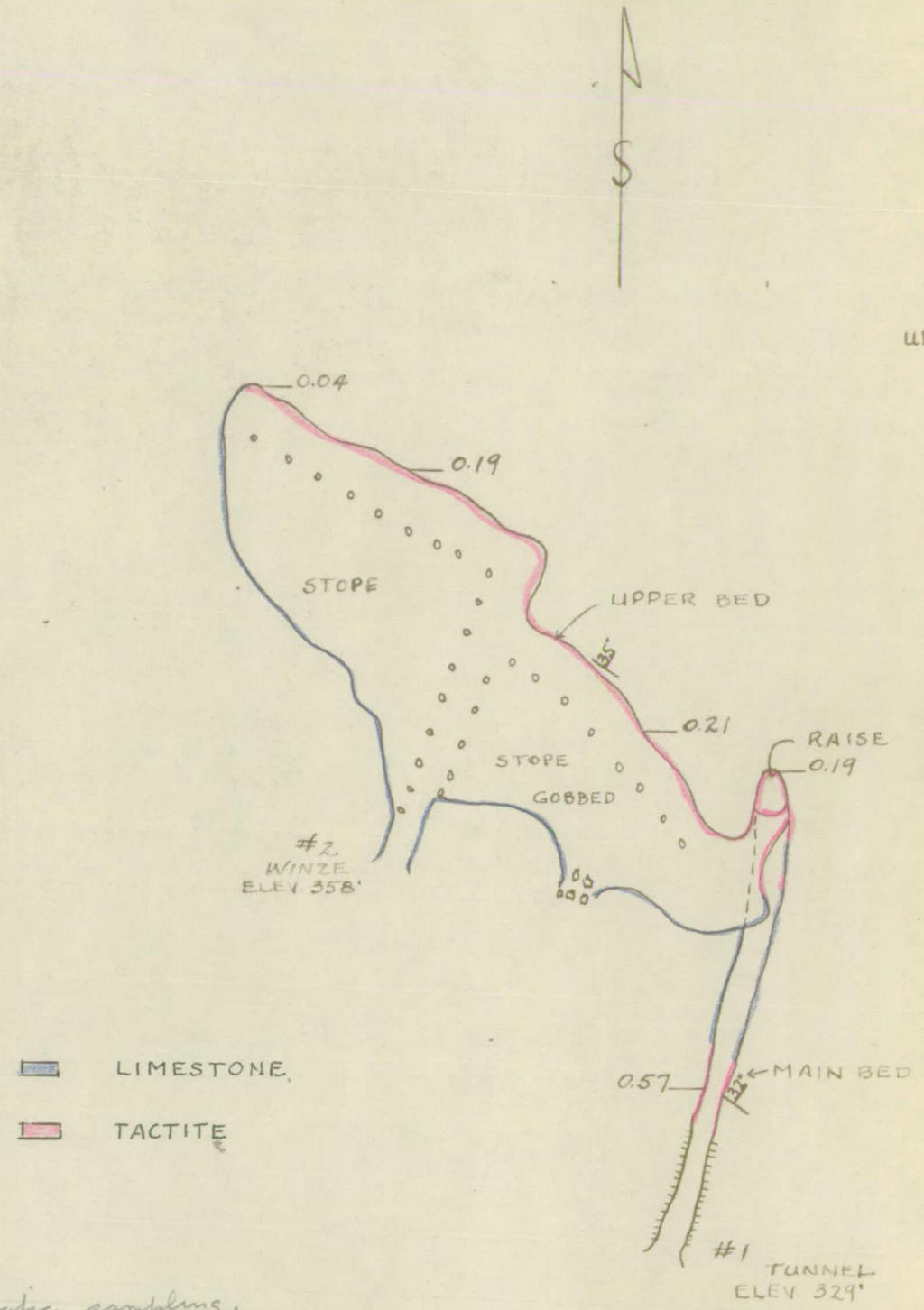

AMERICAN ALLOY METALS INC.
CROSS SECTION NO. 11 HOLE
IVANHOE CLAIM
SCALE 1" = 50'
NOV 1, 1951
500
450
400
350
300
250
NO. 11 ELEV 471'
LIMESTONE
TACTITE 1.45 WO_3
LIMESTONE
TACTITE 2.21 WO_3
BLANK TACTITE
QUARTZ
EPIDOTE ROCK
GRANITE
CU. MINERALS
UPPER BED
MAIN BED PROJECTION
S

FIG.

AMERICAN ALLOY METALS INC.
NO'S. 1 & 2 WORKINGS
IVANHOE CLAIM

SCALE 1" = 20'

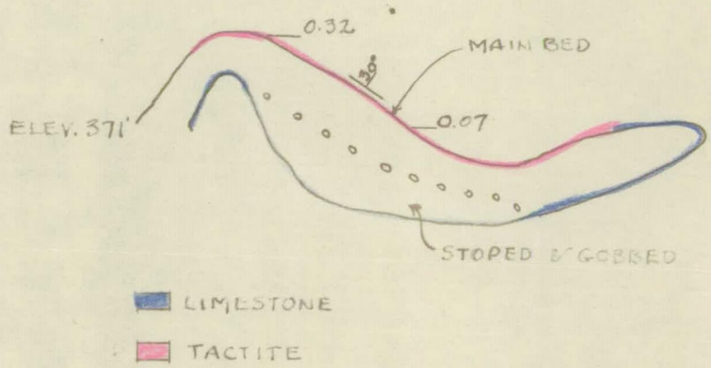
UPPER BED AVE. 0.16 WO_3 – AVE. SAMPLE THICKNESS 33"
MAIN BED 0.57 WO_3 THICKNESS 72"



No systematic sampling.

AMERICAN ALLOY METALS INC.
NO. 3 WORKING
IVANHOE CLAIM

SCALE 1" = 20'



insufficient sampling

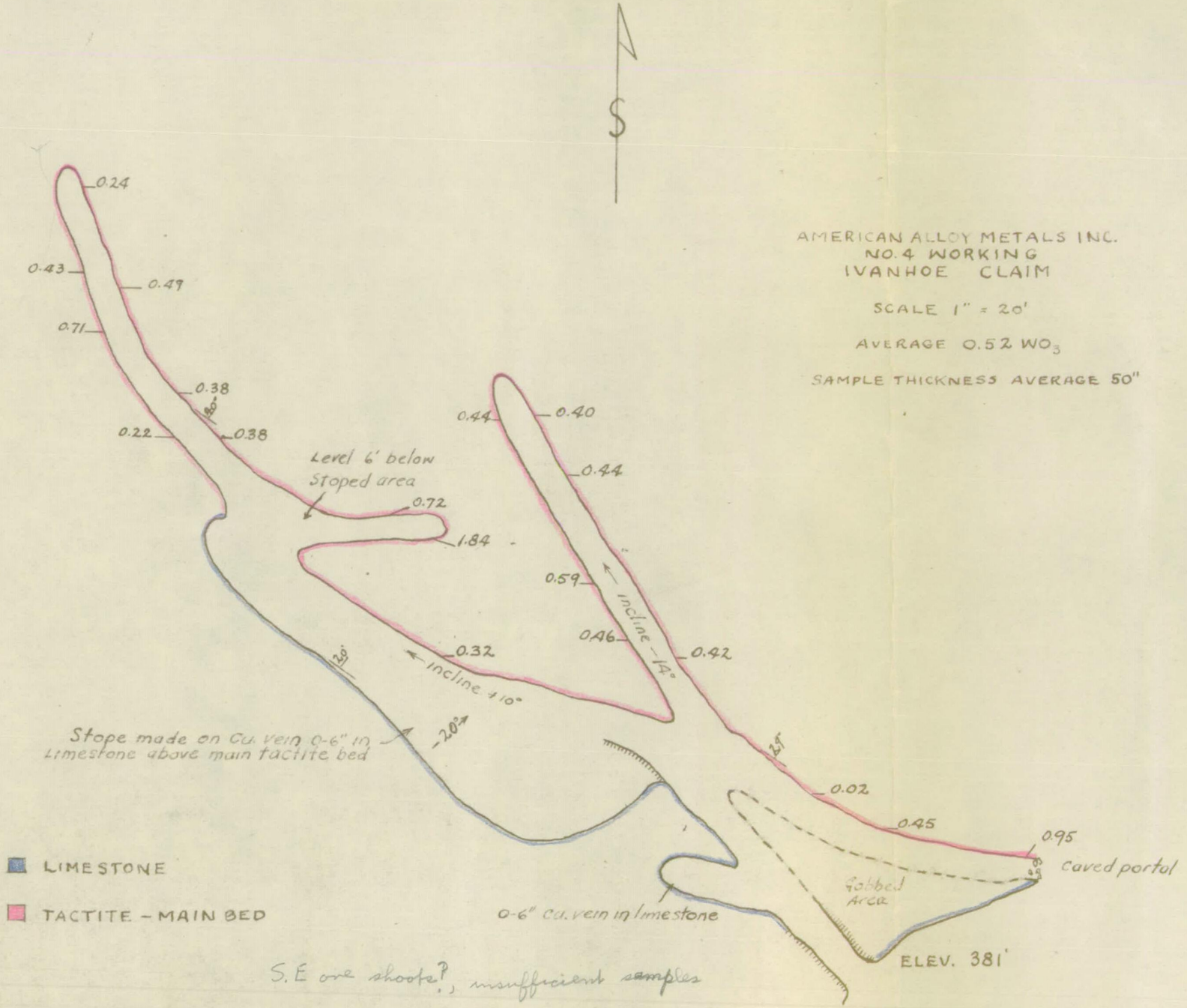
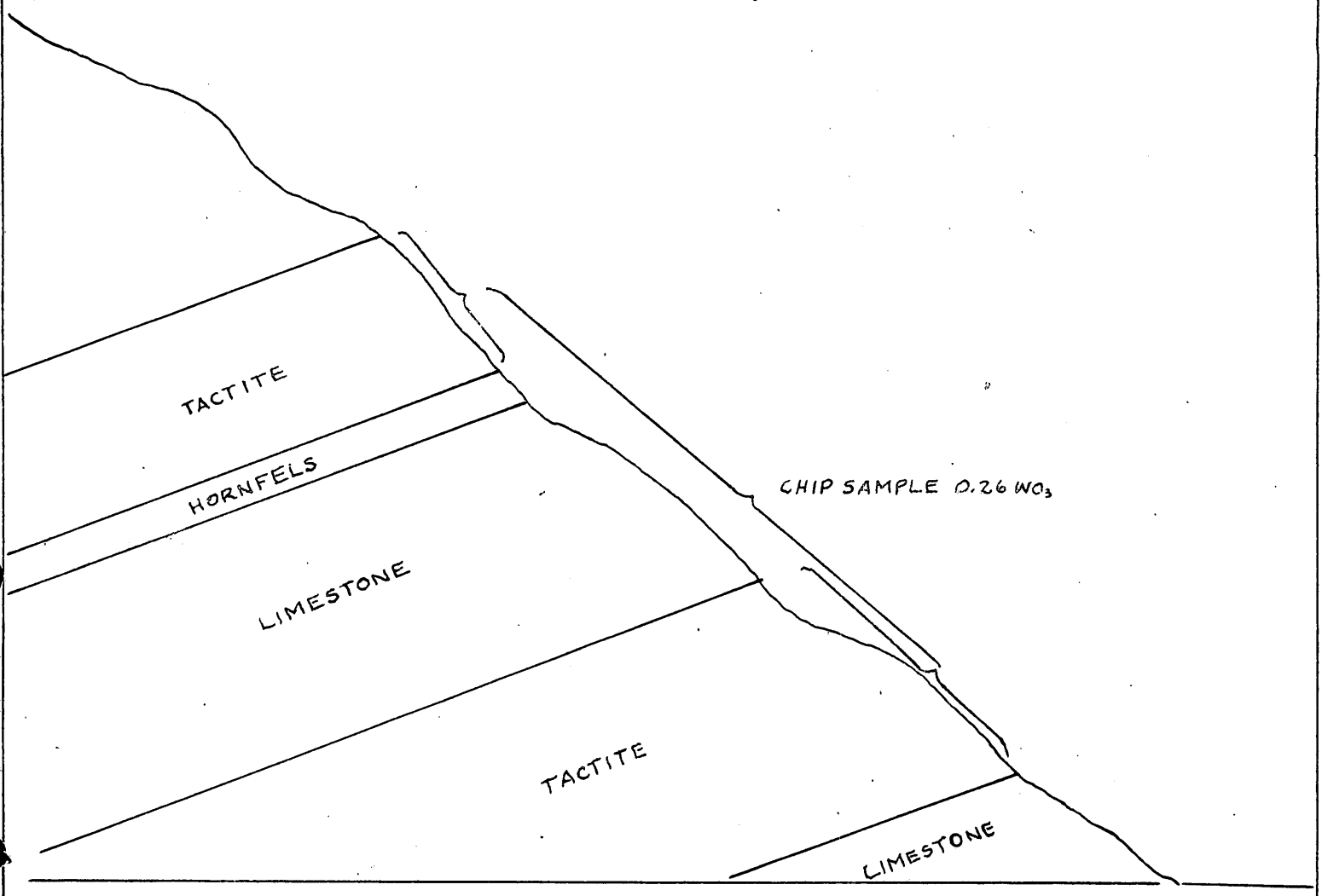

S
AMERICAN ALLOY METALS INC.
NO. 4 WORKING
IVANHOE CLAIM
SCALE 1" = 20'
AVERAGE 0.52 WO_3
SAMPLE THICKNESS AVERAGE 50"
0.24
0.43
0.49
0.71
0.38
0.38
0.22
Level 6' below
Stoped area
0.72
1.84
0.44
0.40
0.44
0.59
incline -14°
0.46
0.42
0.32
incline +10°
Stope made on Cu. vein 0-6" in
Limestone above main tactite bed
-20°
0.02
0.45
0.95
caved portal
Gobbed
Area
0-6" Cu. vein in limestone
ELEV. 381'
LIMESTONE
TACTITE - MAIN BED
S.E ore shoots?, insufficient samples

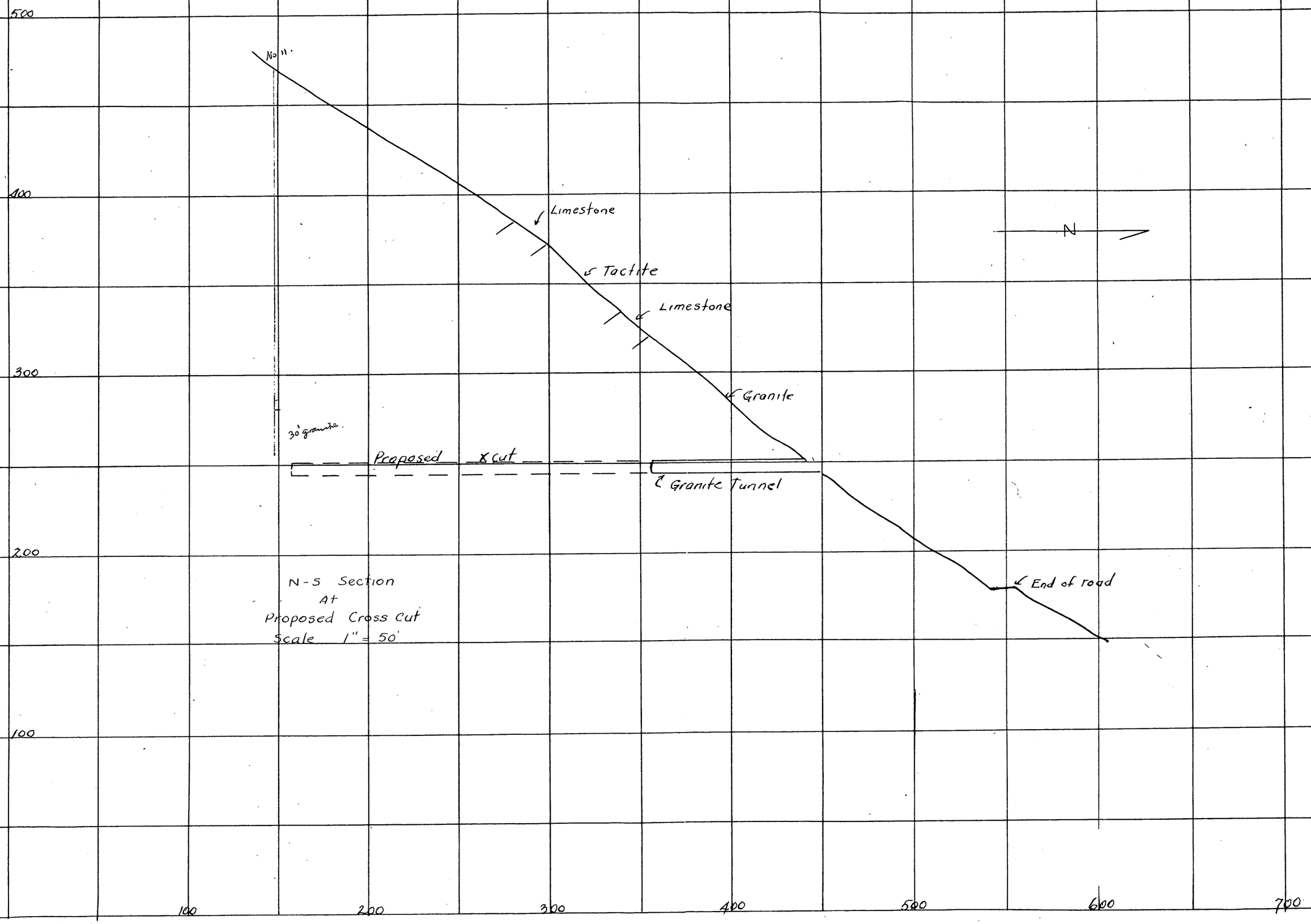
FIG. 8

AMERICAN ALLOY METALS INC.
WEST SIDE OPEN CUT
LOST COPPER CLAIM
SCALE 1" = 2'
NOV. 1, 1951

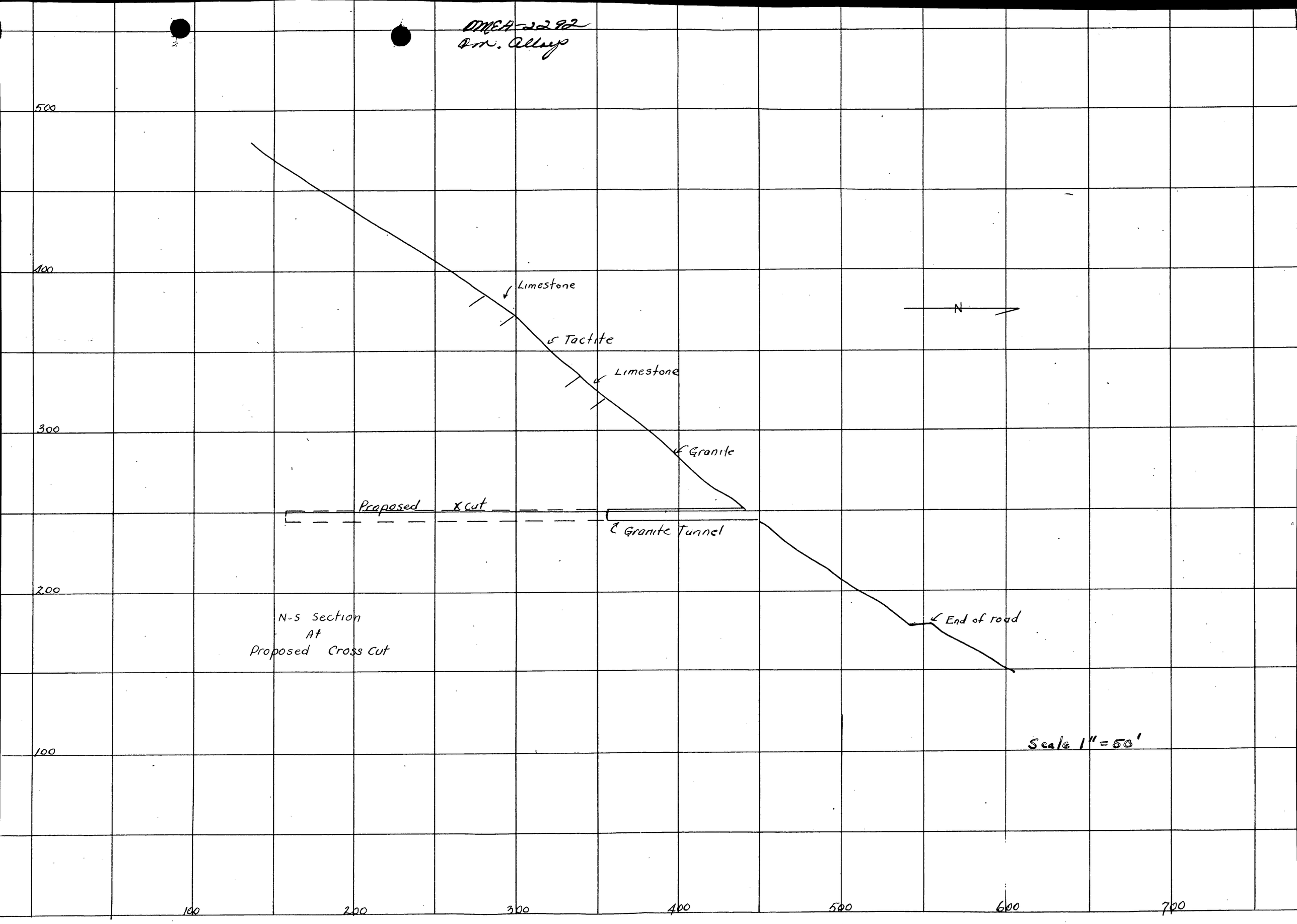


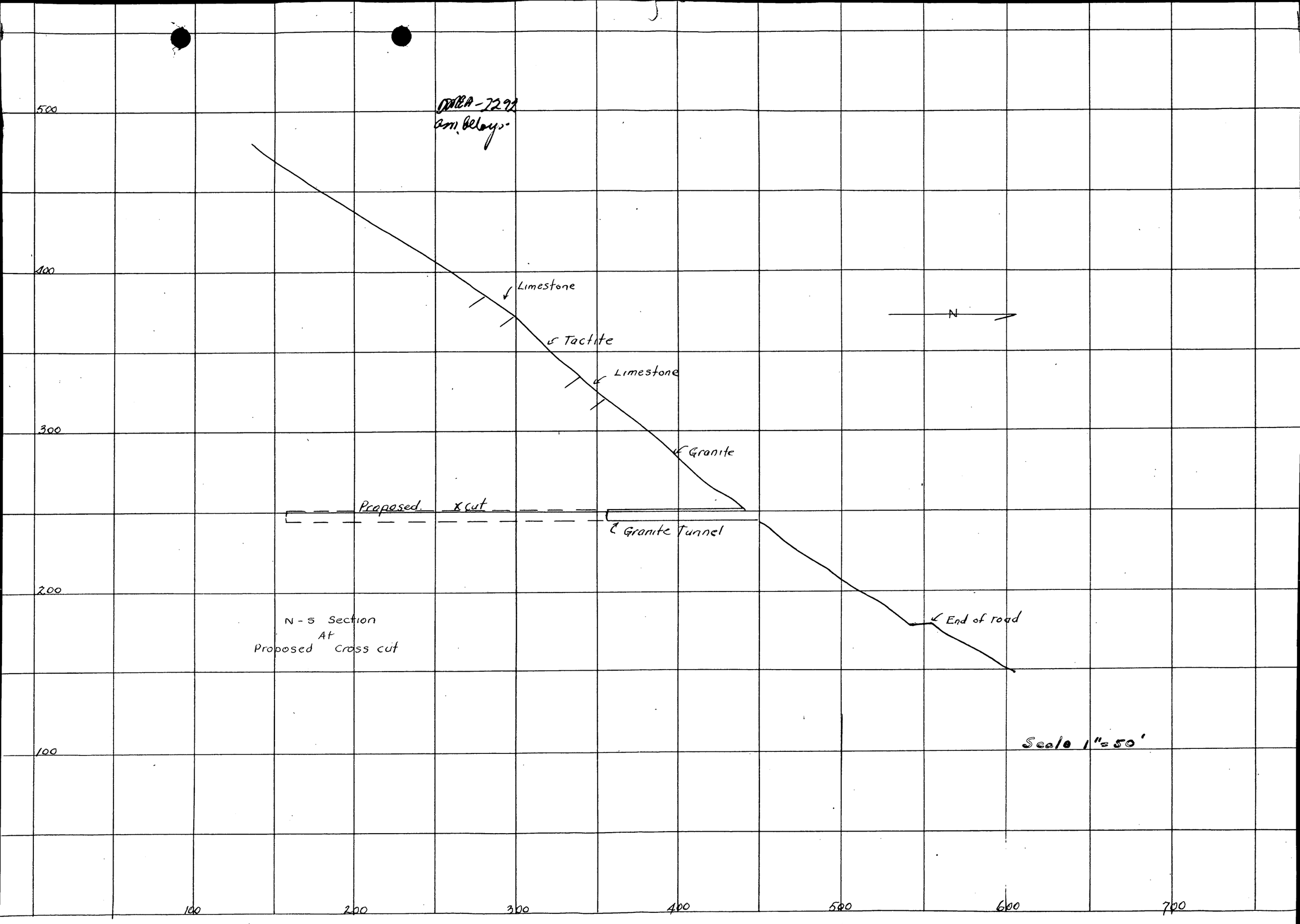
BEDS STRIKE N.50°W. DIP 20° SW.

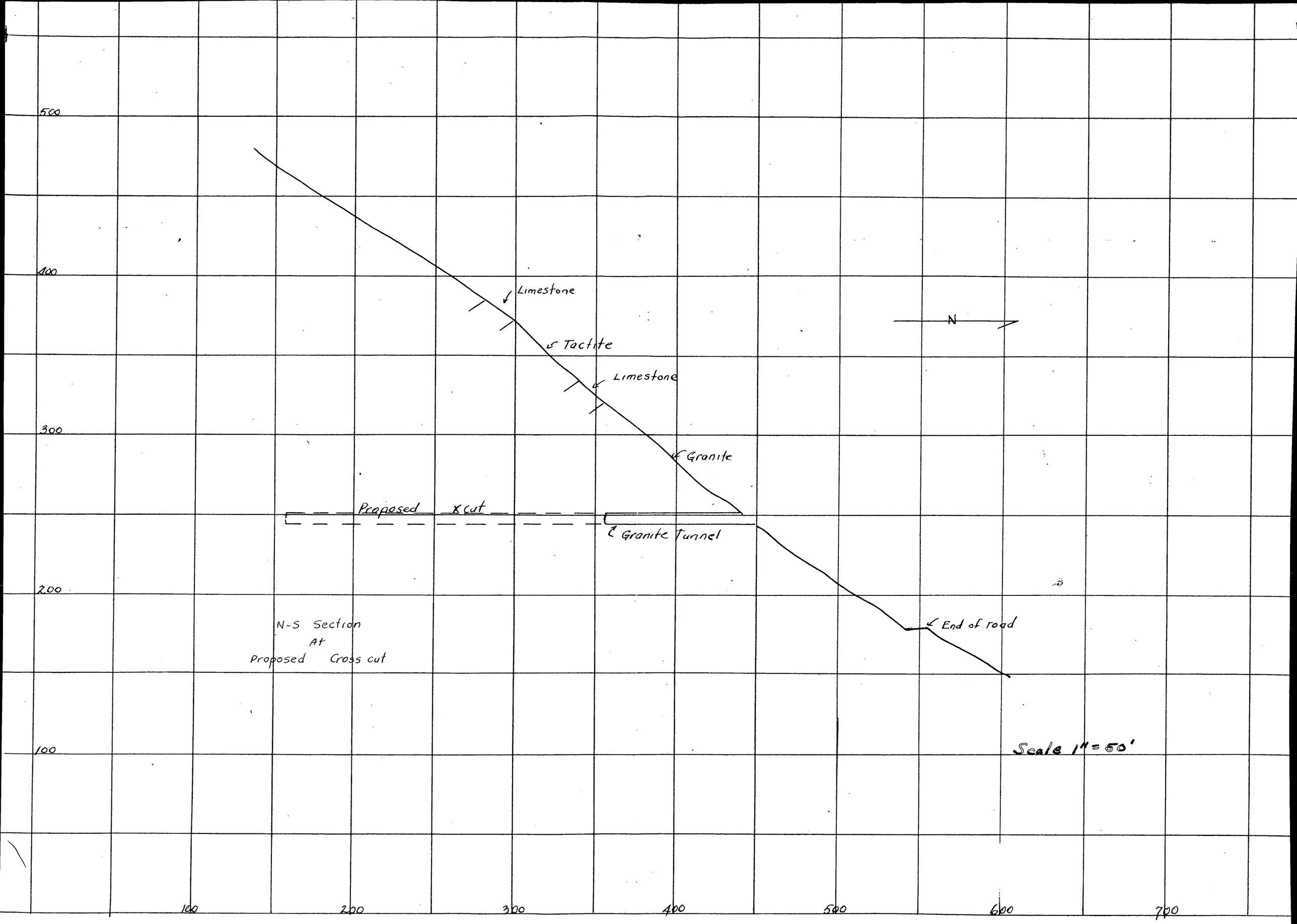
OMA-2292
Gm. Allayoba.



DMEA-2282
Dr. Allsup




500
400
300
200
100
100
200
300
400
500
600
700
Limestone
Tactite
Limestone
Granite
Proposed. x cut
Granite Tunnel
End of road
N
N - S Section
At
Proposed Cross cut
Scale 1" = 50'


500
400
300
200
100
Limestone
Tactite
Limestone
Granite
Proposed x cut
Granite Tunnel
End of road
N
N-S Section
At
Proposed Cross cut
Scale 1" = 50'
100
200
300
400
500
600
700

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~

So. 157 Howard Street
Spokane, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 1 3 1952

November 4, 1952

Mr. F. E. Johnson, Chairman
Operating Committee, DMEA
Dept. of the Interior
Washington 25, D. C.

Re: Docket DMEA-2292
American Alloys Metals, Inc.
Beaverhead County, Montana
Contract Idm-E247

Dear Mr. Johnson:

As requested in your letter of October 17, we are including herewith copies of Form 104 from the American Alloy Metals, Inc., showing approved totals to date. These will permit you to correct your cost data.

Sincerely yours,

A. E. Weissenborn

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures

cc: USBM (2)

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of _____, 195____ Docket No. DMEA _____ Contract No. _____
Operator's Name _____ Minerals _____
Address _____
Contract Amount, $_____ Government Participation: ____% Amount, $_____

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent / Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	0.00					
Supervision	600.00					
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives	183.20					
Pipe	523.58					
Track						
other	330.45					
(4) Operating Equipment:						
Rental	414.00					
Purchase	947.94					
Depreciation	12.00					
(5) Initial Rehabilitation and Repairs	2268.58					
(6) New Bldgs., Improvements, etc.	1491.06					
(7) Miscellaneous:						
Repairs to Equipment	0.00					
Sampling and Analysis						
Payroll Taxes	89.17					
Liability Insurance						
Workmen's Comp	70.13					
(8) Contingencies (specify):						
TOTALS	6930.11					

I certify that the above bill is correct and just and that payment therefor has not been received.

Date _____ *Payee _____

Per _____ Title _____

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$_____

Signature _____
(Authorized Certifying Officer)

Date _____ Vou. No. _____
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. ..... in accordance with the terms of the contract.

Signature ..... Title ..... Date .....

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature ..... Title ..... Date .....

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No.
Approval expires 6-3

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of _____, 195____ Docket No. DMEA _____ Contract No. _____
Operator's Name _____ Minerals _____
Address _____
Contract Amount, $_____ Government Participation: _____% Amount, $_____

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent / Short Form } Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	264.10	0.00				264.10
Supervision	600.00	600.00				1200.00
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives	0.00	183.20				183.20
Pipe		523.58				523.58
Track						
Other supplies	625.19	330.45				955.64
(4) Operating Equipment:						
Rental	0.00	414.00				414.00
Purchase	839.73	947.94				1787.67
Depreciation		12.00				12.00
(5) Initial Rehabilitation and Repairs	1080.60	2268.58				3349.18
(6) New Bldgs., Improvements, etc.	2360.77	1491.06				3851.83
(7) Miscellaneous:						
Repairs to Equipment	17.46	0.00				17.46
Sampling and Analysis						
Payroll Taxes	99.84	89.17				189.01
Liability Insurance						
Workmen's Comp.	115.82	70.13				185.95
(8) Contingencies (specify):						
	6003.51	6930.11				
TOTALS	7130.13	5773.39				12,933.62

I certify that the above bill is correct and just and that payment therefor has not been received.

Date _____ *Payee _____

Per _____ Title _____

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$_____

Signature _____
(Authorized Certifying Officer)

Date _____ Vou. No. _____
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. ..... in accordance with the terms of the contract.

Signature ..... Title ..... Date .....

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature ..... Title ..... Date .....

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

Budget Bureau No.
Approval expires 6-

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of _____ 195____ Docket No. DMEA _____ Contract No. _____
Operator's Name _____ Minerals _____
Address _____

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs								Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs								

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date _____ Operator _____

Per _____ Title _____

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

Remarks: _____

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

U. S. GOVERNMENT PRINTING OFFICE 205676

Corrected by [illegible]

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF April

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting		612.34	253.54		865.88					
Crosscutting	1842.09	1087.78	808.09		3737.96	ft	93			
Raising		612.34	253.54		865.88					
~~Shafts~~ Compressor House	119.93		9.90		129.83	$	129.83			$1,000.00
~~Winzes~~ Access Road			17.71		17.71	$	17.71			
Drill holes										
~~Overburden~~ Comp Water System	307.42				307.42	$	307.42			$1,200.00
Rehabilitation and preparation										
~~Geology and geophysics~~ Tram	85.52		5.29		90.81	$	90.81			$2,200.00
~~Trenching~~ Surveying	6.00				6.00					
~~Sampling and assaying~~ Cook	414.96				414.96					$1482.00
~~Roads and trails~~ Home family			83.80		83.80	$	83.80			$1,100.00
Test pits										
Other (specify) Taxes	317.76				317.76					
Totals	3,093.68	2312.46	1431.87		6,838.01					

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(*d*) Fixtures						
4. Labor [3]						
5. Supervision						
6. Supplies						
(*a*) Timber						
(*b*) Explosives						
(*c*) Repair Parts						
(*d*) Other						
7. Power						
8. Transportation						
9. Insurance						
(*a*) Fire						
(*b*) Public Liability						
(*c*) Workmen's Compensation						
10. Contract Work						
11. Other (specify)						
Total						
Deletions						
Adjusted totals						
Totals previously reported						
Totals to date						

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

Note.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by _____

Entered by _____

Approved by _____

Amount approved for payment _____

Remarks _____

_____

_____

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(*a*) Facilities						
(*b*) Buildings						
(*c*) Fixtures						
2. Operating Equipment:						
(*a*) Purchased[1]						
(*b*) Rented[2]						
(*c*) Furnished by operator						
3. Rehabilitation and Repairs:						
(*a*) Facilities						
(*b*) Buildings						
(*c*) Installations						

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No.
Idm-E .....

Name of Operator .....
Docket No. DMA .....
Total Contract Amount $.....
Government Participation: ..... % Amount, $.....
Distribution of Expenditures for Month of .....

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

..... By .....
(Name of Company) (Signature of Authorized Official)

....
(Date) (Title)

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

April

66

Camp water system	307.92
Tram	90.81
Compressor house	129.83
	528.06

12

Access Road	17.71

March

	W & S	E	S	Contract
Compressor House 553.92	446.42		107.50	
Camp Water system 147.93	135.93		12.00	
Tram. 2144.92	995.16	237.00	912.76	
2846.77				
Access Road 1,194.60	377.01	289.90	255.69	272.00
	1954.52			
	~~264~~	526.90	1287.95	
	2218.52			

1416.64	1191.15
526.90	
889.74	

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of _____ 195____ Docket No. DMEA _____ Contract No. _____
Operator's Name _____ Minerals _____
Address _____

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting			93					
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
								TOTAL COSTS AUTHORIZED BY CONTRACT
TOTAL DISTRIBUTED COSTS								
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc								
TOTAL COSTS								

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date _____ Operator _____

Per _____ Title _____

→ **NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.**

REMARKS: _____

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

U. S. GOVERNMENT PRINTING OFFICE 205676

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of _____, 195____ Docket No. DMEA _____ Contract No. _____
Operator's Name _____ Minerals _____
Address _____
Contract Amount, $_____ Government Participation: ____% Amount, $_____

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent / Short Form } Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	1663.05				264.10	1927.15
Supervision	600.00				1,200.00	1,800.00
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives	146.10				183.20	329.30
Pipe	102.89					
Track						
Other	1242.21				852.75	2,094.96
(4) Operating Equipment:						
Rental	1,246.05				414.00	1,660.05
Purchase	1,006.41				1,787.67	2,794.08
Depreciation	60.00				12.00	72.00
(5) Initial Rehabilitation and Repairs	17.71				3,349.18	3,366.89
(6) New Bldgs., Improvements, etc.	528.06				4,478.30	5,006.36
(7) Miscellaneous:						
Repairs to Equipment	10.66				17.46	28.12
Sampling and Analysis						
Payroll Taxes	147.10				189.01	336.11
Liability Insurance						
Workmen's Comp.	170.66				185.95	356.61
(8) Contingencies (specify):						
TOTALS	6,838.01				12,933.62	19,771.63

I certify that the above bill is correct and just and that payment therefor has not been received.

Date _____ *Payee _____

Per _____ Title _____

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

→ **NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.**

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$_____

Signature _____
(Authorized Certifying Officer)

Date _____ Vou. No. _____

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. ..... in accordance with the terms of the contract.

Signature ..... Title ..... Date .....

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature ..... Title ..... Date .....

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

U. S. GOVERNMENT PRINTING OFFICE 205675

F-104 (Rev.)
ril 1952)

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

onth of _____, 195____ Docket No. DMEA 2292 Contract No. _____
perator's Name American Alloy Metals, Inc. Minerals _____
Address _____
Contract Amount, $_____ Government Participation: _____% Amount, $_____

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	1,795.24				1927.15	3722.39
Supervision	600.00				1800.00	2400.00
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives	483.43				329.30	812.73
Pipe						
Track						
Other	678.27				2094.96	2773.23
(4) Operating Equipment:						
Rental	414.00				1660.05	2074.05
Purchase					2794.08	2794.08
Depreciation	60.00				72.00	132.00
(5) Initial Rehabilitation and Repairs					3366.89	3366.89
(6) New Bldgs., Improvements, etc.	570.11				5,006.36	5576.47
(7) Miscellaneous:						
Repairs to Equipment	103.68				28.12	131.80
Sampling and Analysis						
Payroll Taxes	112.29				336.11	448.40
Liability Insurance						
Workmen's Comp.	131.34				356.61	487.95
(8) Contingencies (specify):						
Accounting, office, & travel	366.82					366.82
TOTALS	5315.18				19,771.63	25,086.51

I certify that the above bill is correct and just and that payment therefor has not been received.

Date _____ *Payee _____

Per _____ Title _____

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$_____

Signature _____
(Authorized Certifying Officer)

Date _____ Vou. No. _____
(See other side)

Use 104A as above with elimination of 578.96 + 250.00 at bottom

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. ..... in accordance with the terms of the contract.

Signature ..... Title ..... Date .....

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature ..... Title ..... Date .....

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

U. S. GOVERNMENT PRINTING OFFICE 205675

	May	Previous Total	April	Previous Total	March	Feb	
3. Rehabilitation & Repairs							
(a) Access Road	—	2966.89	17.71	2949.18	1080.60	1,868.58	Initial Rehabilitation & Repairs
(b) Winterizing Cabins	—	400.00	—	400.00	—	400.00	
4. Labor							
Enlarging & advancing adit	1,518.60	1,464.09	1,464.09				
	1,795.24	1,927.15	1,663.05	264.10	264.10	—	
Cook	276.64	463.06	198.96				
5. Superviseur	600.00	1,800.00	600.00	1,200.00	600.00	600.00	
6. Supplies							
(a) Lumber	—						
(b) Explosives	483.43	329.30	146.10	183.20	—	183.20	
(c) repairs see (7)							
(d) Drill steel	62.55	94.62					
(e) Diesel fuel	156.66	258.31					
(f) Gasoline 678.27	—	54.73					
(g) House furnishings	1.20	323.92	83.80				
(h) Misc. supplies	457.86	803.34					
(i) Lubricating oil	—	137.64 + 10.65					
7. (a) Repairs to equipment	103.68	28.12	10.66	17.46	17.46	0.00	
(b) Payroll taxes	112.29	336.11	147.10	189.01	99.84	89.17	
(c) Workmen's comp.	131.34	356.61	170.66	185.95	115.82	70.13	
8. Contingencies, accounting etc	366.82	—	—	—	—	—	
9. Miscellaneous supplies		735.67	735.67				
	5315.18	19,771.63	6838.01	12,933.62	6003.51	6930.11	
		19,856.54					

1359.29 403.65 955.64 625.19 330.45

	May	Previous Totals	April	Previous total	March	Feb.
1. Fixtures & Improvements						
(a) Facilities						
Camp Water System	—	1179.89	307.42	872.47	105.93	766.54
Farm	—	2200.00	90.81	2109.19	1838.92	270.27
Mine Water System	570.11	—	—	—	—	—
(b) Buildings						
Compressor house-shop	—	1000.00	129.83	870.17	415.92	454.25
(c) Fixtures						
Mine rail & pipe	—	626.47	102.89	523.58	0.00	523.58
2. Operating Equipment						
(a) Purchased						
Oil stoves	—	312.71	29.60	283.11	—	283.11
1/3 on rock drill	—	1022.76	460.10	562.66	281.33	281.33
Chain saw	—	383.50	—	383.50	—	383.50
Mine cars	—	800.00	400.00	400.00	400.00	—
Air receiver	—	158.40	—	158.40	158.40	—
Freight on mine cars	—	128.21				
Small equipment	—	116.71	116.71			
Freight on blacking machine		93.52				
Freight on compressor		138.52				
(b) Rented						
Marking Machine	—	825.00	825.00	0.00	—	—
365 cfm Compressor	414.00	1828.00	414.00	414.00	—	414.00
Freight on Marking machine	—	93.01				
Freight on compressor	—	138.52				
Rental on rock drills, freight	—	17.05	7.05	105.80	52.90	52.90
Rental on 105 cfm compressor	—	[illegible]	—	164.00	—	164.00
(c) Furnished by America Alaska						
truck	30.00	30.00	30.00			
auto car truck	30.00	42.00	30.00	12.00	—	12.00

1006.47

1246.05

60.00

New Bldgs & Improvements.

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

Docket No. DMEA 2292

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 247

Name of Operator American Alloy Metals, Inc., Glen, Montana
Docket No. ~~XXXX~~ DMEA 2292
Total Contract Amount $ 56,584.00
Government Participation: 75 % Amount, $ 42,438.00
Distribution of Expenditures for Month of February, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 13 1952

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

American Alloy Metals, Inc.
(Name of Company)

By /s/ Robert N. Roby
(Signature of Authorized Official)

March 8, 1952
(Date)

Project Manager
(Title)

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
Camp Water System				766.54		
Tramway				270.27		
(b) Buildings						
Compressor house				454.25		
(c) Fixtures						
Mine Rail				247.50		
Pipe & Fittings				276.08		
				523.58		
2. Operating Equipment:						
(a) Purchased[1]						
Rock Drill				281.33		
Chain Saw				383.50		
Oil Stoves				283.11		
				947.94		
(b) Rented[2]						
365 cfm Compressor				414.00		
(c) Furnished by operator						
Autocar Truck				12.00		
3. Rehabilitation and Repairs:						
(a) Facilities						
Access Road				1868.58		
(b) Buildings						
Winterize Cabins				400.00		
(c) Installations						

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]						
5. Supervision				600.00		
6. Supplies						
(a) Timber						
(b) Explosives				183.20		
(c) Repair Parts						
(d) Other Operating				330.45		
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation				70.13		
10. Contract Work						
11. Other (specify)						
Payroll taxes				89.17		
Total						
Deletions						
Adjusted totals						
Totals previously reported						
Totals to date				6930.11		6930.11

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by W. R. Lee
Entered by
Approved by Eric G. Erickson
Amount approved for payment $5,197.58
Remarks

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF _____

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting		207.87	141.70		349.57	foot	none			
Crosscutting		621.88	1088.86		1710.74	"	"			
Raising		207.86	147.72		355.58	"	"			
Shafts Compressor House	113.01	12.00	351.65		476.66	percent	10%			
Winzes Access Road	719.82	228.90	198.55	864.00	2011.27	do	90%			
Drill holes Winterize Cabins										
Overburden	370.82	12.00	223.71		606.53	do	75%			
Rehabilitation and preparation										
Geology and geophysics Camp Water System	519.57	12.00	337.96		869.53	do	80%			
Trenching House Furn.		295.11	240.12		535.23	do	90%			
Sampling and assaying										
Roads and trails Tram			270.27		270.27	do	None			
Test pits										
Other (specify) Cook	258.40				258.40	1482.00	258.40			
Payroll taxes	159.30				159.30					
Totals	2140.92	1597.62	3000.54	864.00	7603.08					

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

Docket No. DMEA 2292

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 247

Name of Operator American Alloy Metals, Inc., Glen, Montana
Docket No. DMA DMEA 2292
Total Contract Amount $ 56,584.00
Government Participation: 75 % Amount, $ 42,438.00
Distribution of Expenditures for Month of March, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 13 1952

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

American Alloy Metals, Inc.
(Name of Company)

By /s/ Frank Eichelberger, V. P.
(Signature of Authorized Official)

April 5, 1952
(Date)

(Title)

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

16--64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities Camp water system				105.93	766.54	872.47
Tram				1838.92	270.27	2109.19
(b) Buildings						
Compressor House				415.92	454.25	870.17
(c) Fixtures						
Mine Rail & Pipe					523.58	523.58
2. Operating Equipment:						
(a) Purchased[1]						
1/3 on Rock Drill				281.33	281.33	562.66
Mine Car				400.00		400.00
Air Receiver				158.40		158.40
Chain Saw					383.50	383.50
Oil Stoves					283.11	283.11
(b) Rented[2]						
365 cfm Compressor					414.00	414.00
(c) Furnished by operator						
Autocar Truck					12.00	12.00
3. Rehabilitation and Repairs:						
(a) Facilities						
Access Road				1080.60	1868.58	2949/18
(b) Buildings						
Winterize Cabins					400.00	400.00
(c) Installations						

16—64068-3

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]				264.10	---	264.10
5. Supervision				600.00	600.00	1200.00
6. Supplies						
(a) Timber						
(b) Explosives					183.20	183.20
(c) Repair Parts Other				-17.46		17.46
(d) Other Operating				625.198	330 45	955.64
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation						
2068.17 @ 5.6%				115.82	70.13	185.95
10. Contract Work						
11. Other (specify)						
Payroll taxes				99.84	89.17	189.01
Total						
Deletions						
Adjusted totals						
Totals previously reported						
Totals to date				6003.51	6930.11	12,933.62

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by W. R. Lee
Entered by
Approved by Eric G. Erickson
Amount approved for payment 4,502.63
Remarks

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF _____

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals										

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

Docket No. DMEA 2292

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No.
Idm-E 247

Name of Operator American Alloy Metals, Inc. Glen, Montana
Docket No. DMA DMEA 2292
Total Contract Amount $ 56,584.00
Government Participation: 75 % Amount, $ 42,438.00
Distribution of Expenditures for Month of April 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 13 1952

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

American Alloy Metals, Inc.
(Name of Company)

By /s/ Robert N. Roby
(Signature of Authorized Official)

May 7, 1952
(Date)

Project Manager
(Title)

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

16--64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
Camp Water System				307.42	872.47	1179.89
Tram				90.81	2109.19	2200.00
(b) Buildings						
Compressor House				129.83	870.17	1000.00
(c) Fixtures						
Mine Rail & Pipe				102.89	523.58	626.47
2. Operating Equipment:						
(a) Purchased[1]				1006.41		
Rock drills					562.66	
Mine Car					400.00	
Oil Stove					283.11	
Small Equipment					383.50	
(b) Rented[2]				1246.05	414.00	
(c) Furnished by operator				60.00	12.00	
3. Rehabilitation and Repairs:						
(a) Facilities						
Access Road				17.71	2949.18	
(b) Buildings						
Winterize Cabins					400.00	
(c) Installations						

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]				1663.05	264.10	
5. Supervision				600.00	1200.00	
6. Supplies						
(a) Timber						
(b) Explosives				146.10	183.20	
(c) Repair Parts				10.66	17.46	
(d) Other Operating				403.65	955.64	1359.29
7. Power Miscellaneous				735.67		735.67
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation				170.66	185.95	
10. Contract Work						
11. Other (specify) Payroll taxes				147.10	189.01	
Total						
Deletions						
Adjusted totals						
Totals previously reported						
Totals to date				6838.01	12,933.62	19,771.63

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by W. R. Lee
Entered by
Approved by Eric G. Erickson
Amount approved for payment $5,128.51
Remarks

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF _____

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals										

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.3.
Approval Expires 6-30-53.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 13 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of May, 1952 Docket No. DMEA 2292 Contract No. Idm-E247
Operator's Name American Alloy Metals, Inc. Minerals Tungsten
Address Glen, Montana
Contract Amount, $ 56,584.00 Government Participation: 75% Amount, $ 42,438.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor				1795.24	1927.15	3722.39
Supervision				600.00	1800.00	2400.00
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives				483.43	329.30	812.73
Pipe						
Track						
	1265.38	1977.04	3242.42	678.27	2094.96	2773.23
(4) Operating Equipment:						
Rental				414.00	1660.05	2074.05
Purchase				--	2794.08	2794.08
Depreciation				60.00	72.00	132.00
(5) Initial Rehabilitation and Repairs					3366.89	3366.89
(6) New Bldgs., Improvements, etc.				570.11	5006.36	5576.47
(7) Miscellaneous:						
Repairs to Equipment				103.68	28.12	131.80
Sampling and Analysis						
Payroll Taxes				112.29	336.11	448.40
Liability Insurance Workmen's Comp.				131.34	356.61	487.95
(8) Contingencies (specify): Accounting, office and travel exp.				366.82	--	366.82
TOTALS				5315.18	19,771.63	25,086.81

I certify that the above bill is correct and just and that payment therefor has not been received.
Date June 14, 1952 Payee American Alloy Metals, Inc

Per Robert N. Roby Title Project Manager

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

→ NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 3986.38

Signature
(Authorized Certifying Officer)

Date Vou. No.
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. ..... in accordance with the terms of the contract.

Signature ..... Title ..... Date .....

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature ..... Title ..... Date .....

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(*a*) *Form MF–104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(*b*) *Form MF–104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(*c*) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF–104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF–104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF–200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF–200; and delete word "Independent" if the contract reported is on Form MF–200 (A). Also, report work paid for on a unit basis under contract Form MF–200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF–104 when submitted for reimbursable expenses incurred under contract Form MF–200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF–200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF–104 is required to be documented. The four copies of Form MF–104 are not to be thus supported.

Form MF–104 submitted for reimbursement under fixed price contracts on Form MF–200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF–104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.3.
Approval Expires 10-30-53.

DEPARTMENTAL
Defense Minerals Administration
RECEIVED
NOV 13 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of June, 195 2 Docket No. DMEA 2292 Contract No. Idm-E247
Operator's Name American Alloy Metals, Inc. Minerals Tungsten
Address
Contract Amount, $ 56,584.00 Government Participation: 75% Amount, $ 42,438.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor				1841.37	3722.39	5563.76
Supervision				522.00	2400.00	2922.00
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber				56.80		56.80
Explosives				1070.70	812.73	1883.43
~~Pipe~~ Drill steel				268.42		268.42
~~Track~~ Deisel Fuel				315.34		315.34
Repair Parts				257.22		257.22
Mis. Supplies				200.42	2773.23	2973.66
(4) Operating Equipment:						
Rental				689.00	2074.05	2763.05
Purchase				-o-	2794.08	2794.08
Depreciation				60.00	132.00	192.00
(5) Initial Rehabilitation and Repairs				--o--	3366.89	3366.89
(6) New Bldgs., Improvements, etc.				-o-	5576.47	5576.47
(7) Miscellaneous:						
Repairs to Equipment					131.80	131.80
Sampling and Analysis						
Payroll Taxes				122.11	448.40	570.51
Liability Insurance						
Workmen's Comp.				142.86	487.95	630.81
(8) Contingencies (specify):						
Office & Travel				-o-	366.82	366.82
TOTALS				5546.25	25,086.81	30,633.06

I certify that the above bill is correct and just and that payment therefor has not been received.

Date June 15, 52 *Payee American Alloy Metals, Inc.

Per Robert N. Roby Title Project Manager

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 4,159.68

Signature
(Authorized Certifying Officer)

Date Vou. No.
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. ..... in accordance with the terms of the contract.

Signature ..... Title ..... Date .....

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature ..... Title ..... Date .....

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(*a*) *Form MF–104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(*b*) *Form MF–104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(*c*) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF–104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF–104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF–200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF–200; and delete word "Independent" if the contract reported is on Form MF–200 (A). Also, report work paid for on a unit basis under contract Form MF–200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF–104 when submitted for reimbursable expenses incurred under contract Form MF–200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF–200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF–104 is required to be documented. The four copies of Form MF–104 are not to be thus supported.

Form MF–104 submitted for reimbursement under fixed price contracts on Form MF–200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF–104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.3.
Approval Expires 12-31-53.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 13 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July, 1952 Docket No. DMEA 2292 Contract No. Idm-E247
Operator's Name American Alloy Metals, Inc. Minerals Tungsten
Address Glen, Montana
Contract Amount, $56,584.00 Government Participation: 75 % Amount, $ 42,438.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor				1990.66	5563.76	7554.42
Supervision				564.00	2922.00	3486.00
Technical Services						
(3) Operating Mat'ls and Supplies:						
House Furn.				86.60		86.60
Timber				25.55	56.80	82.35
Explosives				73.80	1883.43	1957.23
XX Deisel fuel				122.54	315.34	437.88
XXX Drill steel				131.30	268.42	399.72
Repair Parts				199.48	257.22	456.70
Misc. Supplies				224.11	2973.66	3197.77
(4) Operating Equipment:						
Rental				689.00	2763.05	3452.05
Purchase				1013.81	2794.08	3807.89
Depreciation				60.00	192.00	252.00
(5) Initial Rehabilitation and Repairs					3366.89	3366.89
(6) New Bldgs., Improvements, etc.				155.92	5576.47	5732.39
(7) Miscellaneous:						
Repairs to Equipment					131.80	131.80
Sampling and Analysis				38.95		38.95
Payroll Taxes				121.98	570.51	692.49
Liability Insurance Comp.				136.63	630.81	767.44
Office & Travel				383.81	366.82	750.63
(8) Contingencies (specify):						
TOTALS				6018.14	30,633.06	36,651.20

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Aug. 17, 52 *Payee American Alloy Metals, Inc.

Per Robert N. Roby Title Project Manager

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

→ NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 4513.61

Signature
(Authorized Certifying Officer)

Date Vou. No.
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. ..... in accordance with the terms of the contract.

Signature ..... Title ..... Date .....

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature ..... Title ..... Date .....

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(*a*) *Form MF–104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(*b*) *Form MF–104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(*c*) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF–104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF–104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF–200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF–200; and delete word "Independent" if the contract reported is on Form MF–200 (A). Also, report work paid for on a unit basis under contract Form MF–200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF–104 when submitted for reimbursable expenses incurred under contract Form MF–200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF–200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF–104 is required to be documented. The four copies of Form MF–104 are not to be thus supported.

Form MF–104 submitted for reimbursement under fixed price contracts on Form MF–200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF–104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.
Defense Minerals Administration
RECEIVED
NOV 13 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of August, 1952 Docket No. DMEA 2292 Contract No. Idm-E247
Operator's Name American Alloy Metals, Inc. Minerals Tungsten
Address Glen, Mont.
Contract Amount, $ 56,584 Government Participation: 75 % Amount, $ 42,438.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling				558.24		558.24
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor				811.38	7554.42	8365.80
Supervision				132.00	3486.00	3618.00
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber				67.90	82.35	150.25
Explosives					1957.23	1957.23
~~Pipe~~ House Furn				49.42	86.60	136.02
~~XXXXX~~ Deisel Fuel				118.39	437.88	556.27
Drill Steel				127.08	399.72	526.80
Compressor Repairs				219.44	456.70	676.14
Misc. Supplies				107.71	3197.77	3305.48
(4) Operating Equipment:						
Rental				647.60	3452.05	4099.65
Purchase				70.00	3807.89	3877.89
Depreciation				60.00	252.00	312.00
(5) Initial Rehabilitation and Repairs					3366.89	3366.89
(6) New Bldgs., Improvements, etc.					5732.39	5732.39
(7) Miscellaneous:						
Repairs to Equipment					131.80	131.80
Sampling and Analysis				41.05	38.95	80.00
Payroll Taxes				36.49	692.49	728.98
Liability Insurance				65.80	767.44	833.24
(8) Contingencies (specify):						
Office and travel				126.01	750.63	876.64
TOTALS				3238.51	36,651.20	39,889.71

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Sept. 17, 52 *Payee American Alloy Metals, Inc.

Per Robert N. Roby Title Project Manager

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

→ NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 2428.88

Signature
(Authorized Certifying Officer)

Date Vou. No.
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. ..... in accordance with the terms of the contract.

Signature ..... Title ..... Date .....

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature ..... Title ..... Date .....

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(*a*) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(*b*) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(*c*) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D. C.~~

So. 157 Howard Street
Spokane, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 1 . 1952

November 4, 1952

Mr. F. E. Johnson, Chairman
Operating Committee, DMEA
Dept. of the Interior
Washington 25, D. C.

Re: Docket DMEA-2292
American Alloys Metals, Inc.
Beaverhead County, Montana
Contract Idm-E247

Dear Mr. Johnson:

As requested in your letter of October 17, we are including herewith copies of Form 104 from the American Alloy Metals, Inc., showing approved totals to date. These will permit you to correct your cost data.

Sincerely yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures

cc: USBM (2)

Project no DMEA-2292

Drifting

Month	Wages	Equipment	Supplies	Other	Total
Feb.		207.87	141.70		349.57
March		296.58	238.23		534.81
April		610.47	270.09		880.56
Sub total		1,114.92	650.02		1,764.94

Project No DMEA-2292

Cross cutting

Month	Wages	Equipment	Supplies	Other	Total
Feb		621.88	1,088.86		1,710.74
March		296.58	238.23		534.81
April	1,842.09	1,084.47	860.83		3,787.39
Sub total	1,842.09	2,002.93	2,187.92		6,032.94

Project No DMEA - 2292

Raising

Month	Wages	Equipment	Supplies	Other	Total
Feb		207.86	147.72		355.58
March		296.58	238.23		534.81
April		610.47	270.08		880.55
Sub total		1,114.91	656.03		1,770.94

Project No. DMEA-2292

Compressor House

Month	Wages	Equipment	Supplies	Other	Total
Feb.	113.01	12.00	351.65		476.66
March	446.42		107.50		553.92
April	389.90		9.90		399.80
Sub total	949.33	12.00	469.05		1,430.38

Project No. DMEA-2292

Access Road

Month	Wages	Equipment	Supplies	Other	Total
Feb.	719.82	228.90	198.55	864.00	2,011.27
March	377.01	289.90	255.69	272.00	1,194.60
April			17.71		17.71
Sub-total	1,096.83	518.80	471.95	1,136.00	3,223.58

Project No DMEA-2292

Winterize Cabins

Month	Wages	Equipment	Supplies	Other	Total
Feb.	370.82	12.00	223.71		606.53
March	—	—	—		—
April	—	—	—		—
Sub-total	370.82	12.00	223.71		606.53

Project No DMEA-2292

Camp Water System

Month	Wages	Equipment	Supplies	Other	Total
Feb.	519.57	12.00	337.96		869.53
March	135.93		12.00		147.93
April	307.42				307.42
Sub total	962.92	12.00	349.96		1,324.88

Project No DMEA-2292

House Furnishings

Month	Wages	Equipment	Supplies	Other	Total
Feb.		295.11	240.12		535.23
March		—	—		—
April		83.80			83.80
Sub-total		378.91	240.12		619.03

Project No. DMEA-2292

Trom.

Month	Wages	Equipment	Supplies	Other	Total
Feb.			270.27		270.27
March	995.16	237.00	912.76		2,144.92
April	308.47	259.00	5.29		572.76
Sub total	1,303.63	496.00	1,188.32		2,987.95

Project No. DMEA - 2292

Cook

Month	Wages	Equipment	Supplies	Other	Total
Feb.	258.40				258.40
March	264.10				264.10
April	414.96				414.96
Sub-total	937.46				937.46

Project No. DMEA-2292

Payroll taxes

Feb.	159.30
March	215.66
April	317.76
Sub-total	692.72

Project No DMEA-2292

Surveying

Month	Wages	Equipment	Supplies	Other	Total
Feb	—				—
March	—				—
April	6.00				6.00
Sub-total	6.00				6.00

* allowable maximum

Stage I Estimates only

1. 4 cabins @ $100 ea $400.00

2. Rehabilitate road @ $3,092.00

3. Compressor house @ $1,000.00

4. Camp water system @ $1,200.00

Revised Schedule of costs

1. Surface tramway $2,200.00*

2. Mine water system $775.00*

3. Compressor shed & shop $1,000.00*

4. use of 4" instead of 2" Operator to pay differential on unit basis

5. use of 40# rail instead of 20# rail - Operator to pay differential on unit basis.

End March -

12,933.62 795.01 deleted

2415.19
2200.00
- 215.19 on treasury.
- 130.58 on expense bus
345.77

Explosives

April $146.10 slotting 93'

$\frac{146.10}{93} = \$1.57$ per foot

May $483.43 64'

$\frac{483.43}{64} = \$7.55$ per foot

Docket No. DMEA 2292-Tungsten

F.A. Rutledge

Summary and analysis of progress as of , 1952
Docket No. DMEA 2292-Tungsten
American Alloy Metals, Inc.
Brown's Lake Tungsten Deposit
Beaverhead County, Montana
Exploration Project Contract Idm-E247

The original contract, signed January 29, 1952 for a period of one year, covered the following items:

Stage I

1. Rehabilitation of four cabins at an estimated cost of $100.00 each.
2. Rehabilitation of the wagon road from Brown's Lake to near the adit portal and construction of a 400-foot switchback to the portal. Estimated cost $3,092.00.
3. Construction of compressor and warehouse building at estimated cost of $1,000.00
4. Provide camp water system at estimated cost of $1,200.00.
5. Provide mine water system.
6. Enlarge by slabbing the present 90 foot adit to 6'x8' in cross section and then extend it approximately 160 feet southward as indicated.
7. Drive a 100-foot vertical raise 6'x8' in cross section from near the end of the adit.

Stage II

1. Drive two intermediate drifts easterly and westerly, each 200 feet in length and 5'x7' in cross section.

Stage III

1. Prepare four diamond drill sites in the intermediate drifts and possibly one at the face of the adit.
2. Drill by contract, a maximum of 9 AX diamond drill holes at the above sites not to exceed 1200 feet in aggregate length at an estimated cost of $9,080.00. The contract price of $7.50 per foot includes all necessary drilling costs.

Work under the subject contract was started January 29, 1952. On March 20, 1952, an amendment was signed making the following changes:

1. Construct an inclined surface tramway - length 250 feet - complete with hoist and skips. Total cost including all labor, materials, supplies, and hoisting equipment not to exceed $2,200.00.

The building of the inclined tram was deemed necessary when it was found that construction of the switchback at the end of the road entailed more rock work than had been anticipated. In the July 1952 issue of the Engineering and Mining Journal, p. 145, it stated that a 250-foot double track tram had been driven to the adit level. It does not appear that a double track tram was allowable under the contract. It is

questioned, if a double track was built, if the prorated difference of labor, equipment, and supplies between that necessary for the track authorized and that constructed would have been less than the $2,200.00 allowable maximum. Total cost from monthly 104 forms totaled $2,987.95.

2. Construct mine water pressure system instead of gravity flow. Total cost not to exceed $715.00

3. Construct a 12'x14' combined shop-storage building near adit portal in addition to compressor house originally specified. Total cost of both buildings not to exceed $1,000.00.

4. The Operator shall, at his discretion, purchase and install 450 feet of 4-inch pipe for the air line instead of the 2-inch specified, provided the cost differential between the 2-inch and the 4-inch line is borne entirely by the Operator. The cost differential will be computed on a unit basis.

5. The Operator shall, at his discretion, purchase and install 40-lb. rail, provided the cost differential between the 20-lb. and 40-lb. rail installation is borne entirely by the Operator.

6. The Operator shall, at his discretion, purchase three 40-cu. ft. mine cars in lieu of the three 28-cu. ft. cars originally specified, provided the cost differential, computed on a unit basis, is borne entirely by the Operator.

7. Under items to be rented add:

A. Pneumatic rock drill

2 months @ $52.90 $105.80

B. 1 mucking machine

4 months @ $275.00 $1,100.00

The item under B above shall be an allowable maximum regardless of the size of equipment the Operator chooses to rent.

D.M.E.A 2292

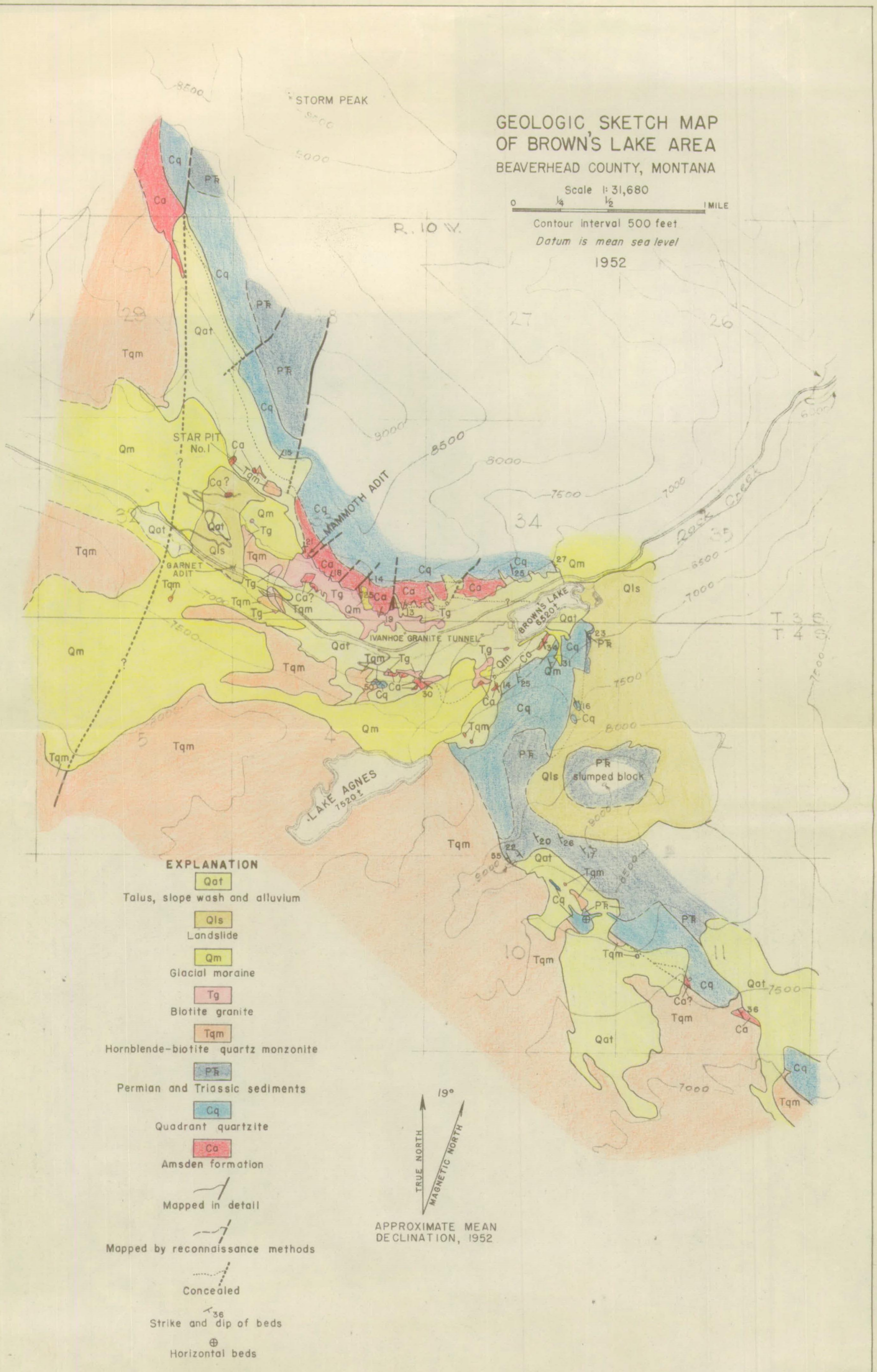
American Alloy Metals - Estimated Costs of Underground Work

	Wages & Salaries 1/	Equipment purchased	Equipment Rented	Equipment dep.	Explosives	Drill steel	Other supplies	Other	Total	Advance feet	Cost/FT	Remarks
1/ Includes W.C. & Taxes												
Crosscutting												
	2041	1118	1384	067	1162	1105	976		58.59			
April	1842.09	1006.41	1246.05	60.00	146.10	94.62	878.11		5273.38	90	58.59	Slabbing Only
May	2508.35	—	414.00	60.00	483.43	62.55	615.72	508.19	4652.24	64	72.69	
	1111	—	647	094	755	098	962	794	7249			
June	1545.64	—	405.20	35.29	629.78	157.86	488.00		3261.77	75	43.49	
	2061		540	047	840	210	651		4349			
Raising												
June	1082.60	—	283.80	24.71	44.02	110.56	341.79		2284.48	22	103.84	
	4921		1290	112	20.05	5.02	1554		103.84			

Note: Division of June of costs % as shown on 104 A.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE ELECTRIC POWER ADMINISTRATION
WASHINGTON 25, D. C.

OFFICIAL BUSINESS



THIS MAP IS A PRELIMINARY FIELD MAP SUBJECT TO CORRECTIONS AND HAS NOT BEEN EDITED OR REVIEWED FOR CONFORMITY WITH U. S. GEOLOGICAL SURVEY STANDARDS AND NOMENCLATURE.

BASE FROM U. S. FOREST SERVICE
PHOTOGRAMETRIC MAP

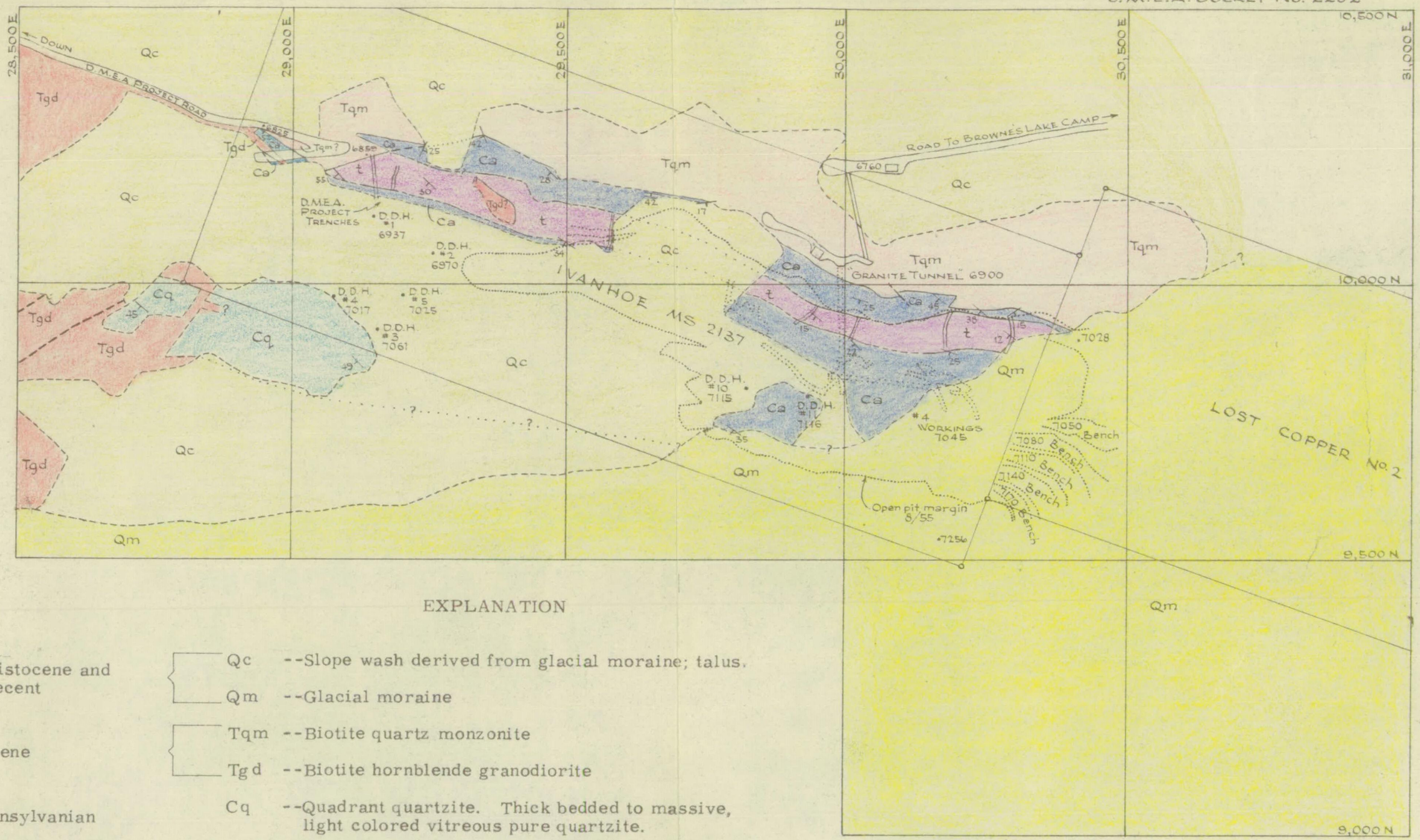
GEOLOGY BY
W. B. MYERS, U. S. G. S.

NOTE:

Please return this map to Mr. G. C. Selfridge, DMEA, Room 3538, Interior.

Page 2

D.M.E.A. DOCKET No. 2292



EXPLANATION

Pleistocene and Recent	Qc	--Slope wash derived from glacial moraine; talus.
	Qm	--Glacial moraine
Eocene	Tqm	--Biotite quartz monzonite
	Tgd	--Biotite hornblende granodiorite
Pennsylvanian	Cq	--Quadrant quartzite. Thick bedded to massive, light colored vitreous pure quartzite.
Upper Mississippian-Pennsylvanian (Contact-metamorphosed by Eocene plutonic rocks)	t	--Tactite. Host rock for scheelite. Formed by additive contact metamorphism of a favorable zone in the Amsden formation.
	Ca	--Amsden formation. Interbedded marble, more and less limy hornfels, and quartzite.

--Outline of Ivanhoe open pit, as of August 1955, projected onto pre-mining surface.

--Sample trenches.

GEOLOGIC SKETCH MAP
OF THE
IVANHOE TUNGSTEN DEPOSIT
BEAVERHEAD COUNTY, MONTANA
SCALE 1" = 200'
AUGUST 1955
PLATE 3

OFFICIAL FILE COPY
D M E A
RECEIVED JUN 17 1957

DATE	INITIALS	CODE

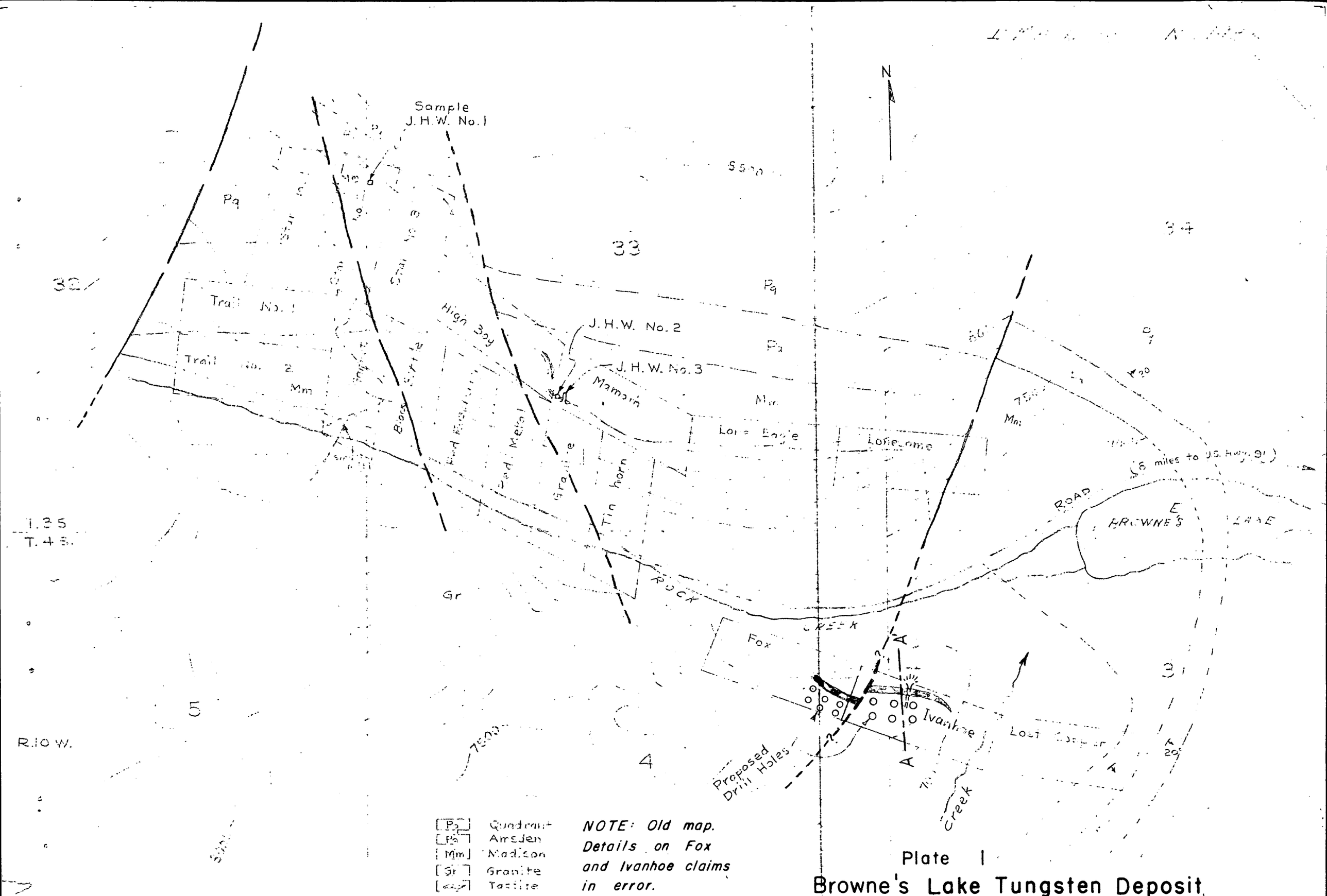


Plate I

Browne's Lake Tungsten Deposit

Beaverhead County, Mont.

PROTOTYPE

CERTIFICATION BY THE UNITED STATES OF AMERICA
OF A DISCOVERY OR DEVELOPMENT UNDER
AN EXPLORATION PROJECT CONTRACT

To: American Alloys Metals, Inc., a Nevada corporation, with principal offices at 1 Montgomery Street, San Francisco, California.

Pursuant to the provisions of Exploration Project Contract No. 1Dm-127, dated August 24, 1951 (Docket No. DMA 1951X), hereinafter called the "Contract", between you and the United States of America, hereinafter called the "Government", to establish and fix the claim and lien of the Government under the terms of the Contract, the Government hereby certifies that a discovery or development has resulted from the work under the Contract from which commercial production of ore may be made, in or upon that certain property situated in the State of Montana, County of Beaverhead, described as follows: The Ivanhoe Lode Mining Claim situated in Act No. 37, township 4 south, range 10 west, M.P.M.

The Government's estimate of said discovery or development is particularly described and delineated as follows:

Tungsten in the form of scheelite-powellite occurs in a series of tactite members in a body of metamorphic rocks underlain by igneous intrusives. Diamond core drilling has partly explored the tactite and indicated the presence of tungsten of ore grade.

THE UNITED STATES OF AMERICA

By C. O. Mittendorf
Acting Administrator
Defense Minerals Exploration
Administration

Dated: April 28, 1952

Wsalfridgeils 4/28/52
cc: Docket
Gen. Counsel File
Field Team, Section II
. . Selfridge
. L. Chambers
Operating Committee
. . Lawson
J. H. Hedges,
Mrs. Edith Terry, Room 2520
Frank H. Johnson

C
O
P
Y

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
1201 North Division Street
Spokane 2, Washington
February 23, 1956

Mr. Jay L. Chambers, Chief
Contract Administration and Audit Division
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Re: Royalty Receipts
American Alloys Metals, Inc.
Contracts Idm-E105, Idm-E127
and Idm-E247.

Dear Mr. Chambers:

It looks as though we were in error in crediting all of the royalty payments received to Idm-E247. While the Cettificate of Discovery covers all three contracts, I think only Idm-E105 and Idm-E127 were actually combined. I have transferred $23,128.63 from the repayments previously credited to Idm-E247, to Idm-E127 to correct this error. This leaves a total of $43,725.17 in the repayment account of Idm-E247.

Yours very truly,

/s/ Myrtle Purdy

Myrtle Purdy
Authorized Certifying Officer
Region I, NW District

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

FEB 25 1955

American Alloy Metals, Inc.
One Montgomery Street
San Francisco, California

Re: Docket No. DMA-1951X (Tungsten)
Ivanhoe Lode Mining Claim
Beaverhead County, Montana
Contract No. Idm-E127
and
Docket No. DMEA-2292 (Tungsten)
Ivanhoe Claim
Beaverhead County, Montana
Contract No. Idm-E247

Gentlemen:

Under contract Idm-E127, as amended by an agreement dated October 1, 1952, the Government allotted a total of $55,283.80 for exploration for tungsten and agreed to share 75 percent of the cost as approved and accepted by this Administration. The Contract Administration and Audit Division of this Administration in its final audit report of January 18, 1953, determined the total allowable cost of the project to be $30,838.17, and the Government's share at 75 percent participation to be $23,128.63.

Under amended contract Idm-E247 the Government allotted a total of $66,914.00 for exploration for tungsten and agreed to share 75 percent of the cost as approved and accepted by this Administration. The Contract Administration and Audit Division of this Administration in its final audit report of September 14, 1954, determined the total allowa[redacted]f the project to be $58,300.23, and the Government's share a[redacted] percent participation to be $43,725.17.

If the exploration work resulted in a discovery, the Company was to pay to the Government a royalty at the rate of 5 percent over a period of 10 years from the dates of the contracts, or until the amount advanced by the Government was liquidated, whichever occurred first. The production from land under these contracts enabled the Company to repay the Government's total advance ($66,853.80) in a comparatively short time.

I wish to congratulate you for a successful exploration and also to thank you for the payment of your account under the contract. It has been a pleasure to participate in this very fine undertaking.

JLChambers/wb 2-24-55

Sincerely yours,

C. O. Mittendorf

Administrator

cc: Docket
Admr. Reading File
F.T. Region I NWD (2)
Administrator
Messrs. Kiilsgaard, Geehan,
Johnson, Martin, Chambers

For Certificate of Deposit No. 207, dated February 4, 1955, giving royalty repayment of $4,128.10, see E-152.

SEXTUPLICATE

STANDARD FORM 209e (Formerly Cert. of Deposit, Form 6599)
Promulgated August 1951 by Treasury Department, Fiscal Service

CERTIFICATE OF DEPOSIT FOR CHECKING ACCOUNT

DEPOSIT NO.
14-23-020-1[illegible]

Deposited with Federal Reserve Bank of San Francisco (Name and location of depositary) Portland Branch 2/4/55 (Date sent)

$ 12,510.84

the sum shown opposite for credit, subject to check, in the disbursing account of—

SYMBOL NO.
420

A. O. Mahlers, RDO, 533 U. S. Court House, Portland 5, Oregon
(Name and address of officer to be credited)

On account of—

[illegible] $12,510.84

E-141

(Depositor will insert below his name, title, Department or Agency concerned, and his address)

Myrtle I. Purdy
Certifying Officer
Defense Minerals Exploration Admin.
1201 N. Division St.
Spokane 2, Washington

SPACE BELOW TO BE USED BY DEPOSITARY ONLY

I certify that the above amount has been received for credit in the account of the Treasurer of the United States on the date shown, subject to adjustment for uncollectible items included therein.

(Authorized signature)

(Date of credit in Treasurer's account)

DEPOSITOR WILL RETAIN THIS COPY

Check No. 1164
Dated 12/27/54
Amount - $10.84
From: Elkhorn Mining Company
Contract Idm-E115 - Elkhorn Mining Co.
Power rebate

Check No. A 7516
Dated: 12/29/54
Amount - E12,500.00
From: Minerals Engineering Co.
Contract Idm-E247, American Alloy Metals, Inc.
Royalty receipt

DEPARTMENT OF THE INTERIOR
Bureau Minerals Administration
RECEIVED
JAN 10 1955

For Certificate of Deposit No. 184, dated December 10, 1954, giving royalty repayment of $6,500.53, see E-9.

E-127

For letter dated February 10, 1953, from Thor H. Kiilsgaard, Acting Executive Officer, Region II, to Mr. Frank Eichelberger, American Alloy Metals, see E-105

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

Audit Certificate

I have examined the records and transactions of

American Alloy Metals, Inc.
401 Symons Building
Spokane, Washington

pertaining to Exploration Project Contracts No. Idm-E105, Docket No. 148, for the period of August 1, 1951 to November 15, 1951, and No. Idm-E127, Docket No. 1951, for the period of August 24, 1951 to November 15, 1951.

These two contracts, for purposes of accounting, terminating, and winding up, have been treated as one contract.

My examination was made in accordance with generally accepted standards applicable in the circumstances.

The audit disclosed the following facts in regard to the amount to be paid the contractor:

Total cost as billed by contractor		$33,196.08
Exceptions:		
Prior to this audit	$ 100.00	
During this audit	2,257.91	2,357.91
Total accepted cost		$30,838.17

The contract calls for a 75 percent participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of Twenty three thousand one hundred twenty eight and 63/100 Dollars,

$23,128.63

is valid and proper.

This certificate is issued on the provision that the Regional Executive Officer, the Administrator, or other competent official has accepted or will accept the project as having otherwise met the terms of the contract.

January 18, 1953

Robert M. Hull

Robert M. Hull, Auditor

I INTRODUCTION

On November 25, 26, 27, and 28, 1952, a final audit was made of the records and accounts of operations of Browns Lake Tungsten, a partnership composed of E. A. Julian, E. L. Cleveland, and Frank Eichelberger, pertaining to Contract Idm-E105, Docket No. DMA 148X, dated August 1, 1951, and American Alloy Metals, Inc., pertaining to Contract Idm-E127, Docket No. DMA 1951X, dated August 24, 1951. These contracts were subsequently combined by an agreement signed by the American Alloy Metals, Inc. and the Government, dated October 1, 1952, into one contract for the purpose of accounting, terminating, winding up the project, and to resolve any confusion in the descriptions of overlying claims.

The exploration project is located in the Vipond Mining District, Beaverhead County, Montana. The accounting records pertaining to the project are located at 401 Symons Building, Spokane, Washington, and the cancelled bank checks are maintained in the San Francisco office of the American Alloy Metals, Inc. at One Montgomery Street, Suite 1225.

During the course of the audit the project engineer, Mr. N. J. Roby, was consulted and his cooperation and assistance greatly facilitated the audit. Mr. Charles A. Turner, DMEA Auditor, collaborated in this audit.

II GENERAL INFORMATION ON RECORDS

The accounting records for the exploration project consist of copies of the Operator's monthly work sheets supported with purchase

invoices or suppliers' statements, receipts for monies received for services performed, and a payroll covering labor from August 1, 1951 through November 9, 1951.

A complete analysis of all the cancelled bank checks pertaining to this project was made by Mr. George Mavor, DMEA Auditor, Region III, San Francisco, Calif. This analysis was forwarded to the Spokane DMEA office.

At the time of the audit the Operator's MF-104 for the month of November 1951 had not been processed for payment because of the pending termination of the project.

III SCOPE OF AUDIT AND FINDINGS

The audit consisted of a detailed examination of all accounting data available to ascertain the accuracy, propriety and validity of the costs as shown in the "Totals to Date" column of Form MF-104, Operator's Monthly Report and Voucher, for the month of November 1951. The extent of the audit and the findings under each of the "Items of Cost" follow:

(1) Independent Contracts

Under the terms of the subcontract effective August 1, 1951 for Exploration Contract Idm-E105 and effective August 24, 1951 for Exploration Contract Idm-E127, both approved by the Government on December 14, 1951, the subcontractor agreed to do the diamond drill program, consisting of drilling a minimum of 3000 linear feet with holes ranging from 250 feet to 500 feet in depth, at the following rate:

o to 500 feet per hole at $7.75 per foot

This quotation provided for the furnishing by the subcontractor of all material, labor, equipment, water line, pumping plants, and diamond bits necessary to complete the holes.

An additional charge of $3.50 per foot was provided in the event of the necessity for reaming and landing the casing or placing cement and redrilling the cemented section of the hole.

The monthly statements of charges rendered by the subcontractor were checked and computed for accuracy.

(2) Labor and Supervision

The charges for "Labor" were checked against the payroll records maintained by R. S. McClintock, West 416-418 Second Avenue, Spokane 8, Washington, the subcontractor performing the diamond drilling. One payroll covering both projects was submitted for the period of August 1, 1951 through November 9, 1951, in the amount of $1,908.10. This payroll did not include any supervision.

Labor Claimed by Contractor

August 1951 - Idm-E105 Included in Item #11, Incidentals	$ 587.81
October 1951 - Idm-E127 Item #4, Labor	479.25
November 1951 Item #4, Labor	1,908.19
	$2,975.25

Not Allowed by Audit

August Item - Included in Nov. claim	$587.81	
October Item - Included in Nov. claim	479.25	1,067.06
		$1,908.19

The item of $1,908.19 claimed in November 1951 was the payroll for the entire period for both contracts; hence, the charges in August and October were duplicated in the November charge and were properly disallowed by the audit.

The following sums were claimed for supervision and were paid directly to Mr. J. W. Melrose, project engineer, by checks drawn on the First National Bank of Dillon, Montana.

Contract Idm-E105		Contract Idm-E127	
August 1-31, 1951	$600.00	*August 22-Sept 30, 1951	$800.00
September	600.00		
October	200.00	October	400.00
November	100.00	November	100.00
Total	$1500.00	Total	$1300.00

*Contract Idm-E127 effective date August 24, 1951

The cancelled checks revealed the following sums were paid to Mr. Melrose.

Check No.	Date	Amount
104	9-6-51	$ 600.00
119	10-4-51	800.00
143	11-1-51	600.00
161	12-4-51	600.00
179	1-14-52	600.00
Total		$3200.00

Total Supervision charged to DMEA	$2,800.00
Total Received by Mr. Melrose	3,200.00

The project engineer, Mr. J. W. Melrose, supervised and received a salary for his services from both projects which were running concurrently:

Contract Idm-E105	August 1, 1951 to November 15, 1951
Contract Idm-E127	August 24, 1951 to November 15, 1951

The audit allows the sum of $2,100.00 for supervision of the contracts as follows:

August 1951	$600.00
September 1951	600.00
October 1951	600.00
November 1-15	300.00
	$2100.00

The amount claimed on Form MF-104	$2800.00
The amount allowed by audit	2100.00
Disallowed	$ 700.00

(3) Operating Materials and Supplies

The charges for operating materials and supplies were checked and verified from the suppliers' invoices. There had been erroneous distribution, and the items that should have been classified under this heading were claimed under Item 11, "Other (specify)".

	Idm-E105	Idm-E127	Combined Totals
Transportation	$ 62.17	—	$ 62.17
Equipment rent	318.88	100.00	418.88
Repair parts	14.00	10.30	24.30
Oil and gasoline	—	350.16	350.16
Supplies	384.99	219.88	604.87
Explosives	52.95	237.86	290.81
Services	587.81	—	587.81
Timber	60.60	—	60.60
Sampling and assaying	—	1060.68	1060.68
Freight on compressor	—	115.04	115.04
Tires	—	80.45	80.45
Chains	—	17.00	17.00
	$1481.40	$2191.37	$3672.77
Deleted by Certifying Officer October 1951 Equipment rent	—	100.00	100.00
	$1481.40	$2091.37	$3572.77

The proper distribution is as follows:

	Combined Contracts
Rented equipment	$ 418.88
Services	587.81
Timber	60.60
Explosives	290.81
Repair parts	24.30
Misc. supplies	1167.52
Transportation	62.17
Sampling and assaying	1060.68
	$3672.77
Less deletion by Certifying Officer	
Equipment rent	100.00
	$3572.77

Supplies were found to be:

Timber	$ 60.60
Explosives	290.81
Repair parts	24.30
Miscellaneous	1019.24

Miscellaneous supplies were found to be:

Claimed		$1167.52
Disallowed by audit		
Items unsupported	$ 3.24	
Duplicate charges	145.04	148.28
Allowed by audit		$1019.24

(4) Operating Equipment (rented)

Exhibit "A" of the exploration contracts provides for equipment to be rented by the Operator and allowable as follows:

Compressor	$164.00 per month
Rock drill	36.00 per month
Hose and steel	16.90 per month
D-8 tractor w/angle dozer	15.00 per hour (316 hrs. $4,740.00)
Bulldozer	15.00 per hour (100 hrs. $1,500.00)

The charges for operating equipment rented were checked and verified against the suppliers' invoices.

The proper and allowable costs for Operating Equipment - Rented were found to be:

Compressor	2 mo.	@ $164.00	$ 328.00
Rock drill	2 mo.	@ 36.00	72.00
Hose and steel	2 mo.	@ 16.90	33.80
Bulldozer	100 hrs.	@ 15.00	1500.00
Bulldozer	316 hrs.	@ 15.00	4740.00
			$6673.80

Corrected distribution	$6992.68
Not allowed by audit	318.88
Allowed by audit	$6673.80

Disallowed by audit
Rock drill 2 mo. @ $30.00 duplicated $60.00

This item was claimed under equipment rented during September and October 1951 as well as under miscellaneous supplies. An item of equipment rental was claimed during August 1951 under No. 11, "Other (specify)" in the amount of $258.88. There was no supporting evidence for this item nor could it be substantiated by the Operator; therefore, it is disallowed.

(5) Rehabilitation and Repairs

The Operator classified under this heading the sum of $993.49 which is properly chargeable as follows:

Buildings	$381.29
Installations	545.00
Fixtures	67.20
	$993.49

The charges to this item were verified for adequate accounting support.

(6) Transportation

The charge against this category was checked against the work sheet and is allowable in the amount claimed - $62.17.

(7) Miscellaneous

a. Sampling and Assaying

The invoices for sampling and assaying were reviewed. The Operator claimed the sum of $1,198.68; however, an item for $23.69 could not be supported and therefore was not allowed. The amount of $1,060.68 properly chargeable to sampling and assaying was erroneously classified under Item 11 (b), Other - Incidentals. The total allowable under this item is $1,174.99.

b. Payroll taxes and insurance

All charges for payroll taxes and insurance were checked by computation at the rates shown by R. S. McClintock, the diamond drill contractor. R. S. McClintock carried the American Alloy Metals, Inc. payroll due to the fact that American Alloy Metals, Inc. were not licensed in the state of Montana.

Social Security Tax	1.5 %
State Unemployment Compensation	2.5 %
Federal Assistance - State Unemployment Compensation	.03%
Montana Employment Comp. Insurance	2.8 %

The Operator figured taxes on the amount of the payroll - $1,908.19.

IV CONCLUSIONS AND RECOMMENDATIONS

This audit has disclosed that all costs as charged to this project, with the exception of the disallowances under Items (2) Labor and Supervision, (3) Operating Materials and Supplies, and (4) Operating Equipment - Rented, of the preceding section of this report, as reflected in Exhibit "A" attached, are in accordance with the terms of the contract and amendments thereto.

The records pertaining to this project were inadequate and maintained in an indifferent manner.

AMERICAN ALLOY METALS, INC.

Combined contracts
Idm-E105 and E127

Exhibit "A"

	Idm-E105 Total Nov. 1951 MF-104	Idm-E127 Total Nov. 1951 MF-104	Combined Totals MF-104	Distribution Corrected	Disallowed by Auditor	Allowed by Auditor
Operating Equipment						
(b) Rented	$ 4,740.00	$1,933.80	$ 6,673.80	$ 6,992.68	$318.88	$ 6,673.80
Rehabilitation and Repairs						
(b) Buildings	---	381.29	381.29	381.29		381.29
(c) Installations	---	545.00	545.00	545.00		545.00
(d) Fixtures	---	67.20	67.20	67.20		67.20
Labor	---	2,387.44	2,387.44	2,975.25	1,067.06	1,908.19
Supervision	1,500.00	1,300.00	2,800.00	2,800.00	700.00	2,100.00
Supplies						
(a) Timber				60.60		60.60
(b) Explosives				290.81		290.81
(c) Repair parts				24.30		24.30
(d) Miscellaneous				1,167.52	148.28	1,019.24
Transportation				62.17		62.17
Contract	11,154.00	5,241.11	16,395.11	16,395.11		16,395.11
Other						
(a) Sampling and Assaying	138.00		138.00	1,198.68	23.69	1,174.99
(b) Incidentals	1,481.40	2,091.37	3,572.77	---		
(c) Payroll taxes						
FOAB	---	28.62	28.62	28.62		28.62
State Unemployment	---	47.70	47.70	47.70		47.70
Federal Unemployment*	---	5.72	5.72	5.72		5.72
Workmen's Compensation	---	53.43	53.43	53.43		53.43
	$19,013.40	$14,082.68	$33,096.08	$33,096.08	$2,257.91	$30,838.17

*Federal Assistance - State Unemployment Compensation

Robert M. Hull

Robert M. Hull, Auditor

ndard Form No. 1034a—Revised
Form prescribed by
Comptroller General, U. S.
September 7, 1950
(Gen. Reg. No. 51, Supp. No. 11)

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

D. O. Vou. No. .....

Bu. Vou. No. 649

U. S. .....
(Department, bureau, or establishment)

Voucher prepared at ....., Feb. 10, 1953
(Give place and date)

THE UNITED STATES, Dr., Payee's Account No. Idm-E105 and Idm-E127

To American Alloy Metals, Inc.
(Payee)

Glen, Montana
(Address) (City) (State)

PAID BY

(For use of Paying Office)

No. and Date of Order	Date of Delivery or Service	ARTICLES OR SERVICES (Enter description, item number of contract or Federal supply schedule, and other information deemed necessary) Discount Terms	QUANTITY	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
	November 1951	Contract Idm-E127				2,941 28	
	November 1951	Contract Idm-E105				100 00	
						3,041 28	
		Less deletions by Mr. Hull, audit report dated 1/18/53				2,257 91	
		Approved total				783 37	
		Less Operator's pro-rata share of 25% approved cost				195.84	
		Use continuation sheet(s) if necessary					
Shipped from	to	Weight	Government B/L No.		Total	587 53	

PAYMENT:
- Complete ☐
- Partial ☐
- Final ☐

(Payee must NOT use this space)

Differences .....

Account verified; correct for 587 53

(Signature or initials) .....

Contract No. Date Req. No. Date Invoice Rec'd.

MEMORANDUM

ACCOUNTING CLASSIFICATION (For completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n. or Proj't. Amount	Appropriation Amount

Allotment symbol	Amount	Obligations liquidated	COST ACCOUNT Symbol	COST ACCOUNT Amount	OBJECTIVE CLASSIFICATION Symbol	OBJECTIVE CLASSIFICATION Amount

Paid by { Check No. ..... dated ....., 19....., for $..... } on Treasurer of the United States in favor of payee named above.
{ Cash, $....., on ....., 19.....

16—22900a-2

METHOD OF OR ABSENCE OF ADVERTISING

METHOD OF ADVERTISING

1. Advertising in newspapers Yes ☐ No ☐
2. (*a*) Advertising by circular letters sent to ..... dealers.
   (*b*) And by notices posted in public places Yes ☐ No ☐.

   (If notices were not posted in addition to advertising by circular letters sent to dealers, explanation of such omission must be made below.)

ABSENCE OF ADVERTISING

3. Without advertising, under an exigency of the service which existed prior to the order and would not admit of the delay incident to advertising.
4. Without advertising in accordance with .....
5. Without advertising, it being impracticable to secure competition because of .....

.....

.....

.....

.....

(Here state in detail the nature of the exigency or circumstances under which the securing of competition was impracticable under 3 and 4)

NOTE.—The above form "Method of or Absence of Advertising" is to be used when purchases are made or services secured under proper authority without written agreement in any form. In case of a written agreement (formal contract, proposal, and acceptance, or less formal agreement) Standard Form No. 1036—Revised should be used for abstracting the method of or absence of advertising and award of contract. (See General Regulations No. 51, as amended.)

☆ U. S. GOVERNMENT PRINTING OFFICE : 1950 O—75805

16—22000a-2

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No.
Idm-E 127

Name of Operator American Alloy Metals, Inc.
Docket No. DMA 1951X Idm-E-127
Total Contract Amount $ 21,993.80
Government Participation: 75 % Amount, $ 16,495.35
Distribution of Expenditures for Month of November, 1951

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 1 5 1952

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

American Alloy Metals, Inc.
(Name of Company)

By J. W. Melrose
(Signature of Authorized Official)

February 12, 1952
(Date)

J. W. Melrose
Project Manager
(Title)

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]						
(b) Rented[2]	None	1,933.80	1,933.80			
(c) Furnished by operator						
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings	None	381.29	381.29			
(c) Installations	None	545.00	545.00			

NARRATIVE

Drilling stopped with the start of cold weather, the first of November. However, it was possible to continue surveying on the Ivanhoe claim preparatory to future work in the spring. Lines were run from the last drill holes on the east end of the Ivanhoe claim down the cliffs to the lower old workings and to the end of the jeep road. This work continued until the 15th of the month.

J W Melrose

J. W. Melrose
Project Engineer

EXPLANATION - LABOR

At the beginning of the exploration project, August 1, 1951, it was soon found certain labor would be needed to get the job done. This included labor on the access road, sampling, camp repairs and mapping.

American Alloy Metals, Inc. was not registered in Montana at the time, so an arrangement was made with the R. S. McClintock Diamond Drilling Company to handle the payroll.

The men working for American Alloy Metals, Inc. also at times worked for R. S. McClintock. American Alloy Metals only used the men when it was absolutely necessary to aid in getting the job done in the most expeditious manner possible.

There were days when it was necessary for the men to work their regular shift of eight hours for McClintock and put in overtime for American Alloy Metals. As a consequence, it will be noted on the accompanying payroll that some men are shown as working fractions of days and yet receiving overtime for this work.

J W Melrose

J. W. Melrose
Project Manager

EXHIBIT
EXPLANATION

At the close of our surface exploration work at Browns Lake we had not submitted items of expense totalling $797.62, and a labor item of $838.61.

The former expense had to do with supplies purchased and should be charged to Idm-E-127. In our contract we have an item of $1,800.00 for sampling, assaying and miscellaneous supplies, but have used $1,293.75 of this amount. Although the supply cost is $301.49 over the amount remaining under the above item, we feel that because this was a legitimate expense in getting the job done it should properly be vouchered from remaining funds.

To date we have submitted labor costs of $587.81 listed as services in August Idm-E-105, $138.00 on September Idm-E-105, under sampling costs, and $479.25 on October Idm-E-127, under labor. This totals $1,205.06. We did not break the labor down into unit costs at the time of submission because of the difficulty of doing this through our arrangement with the McClintock Company. A certified copy of our payroll is attached. Our total labor costs, including F. O. A. B., State Unemployment, and Industrial Insurance, were $2,043.67, leaving a balance of $838.61.

The labor recap is as follows:

Access road	$ 882.19
Mapping	417.00
Sampling	259.50
Repair buildings	349.50
	$1,908.19

In order to prepare the unit costs properly, the original labor items have been deleted from each contract and the total labor submitted on November #127 contract.

Following is the supervision recap:

Supervision Recap

	Was Charged			Should Have Been Charged	
	#105	#127		#105	#127
Aug	$ 600.00	$800.00	Aug-Sept	$ 400.00	$ 200.00
Sept	600.00			300.00	300.00
Oct	200.00	400.00		300.00	300.00
Nov	None	None		100.00	100.00
Total	$1,400.00	$1,200.00		$1,100.00	$1,100.00

*Deletion $450.00

J. W. Melrose
Project Manager

*Deletion pro-rated $225.00 each contract.

EXPLANATION - RECAP OF ATTACHED RECEIPTS

Assay - Union Assay Office	$ 6.00
Repair chain saw - Butte Machinery	3.30
Assay - Washington Technical Laboratories	26.00
Gas - George Steel Company	15.00
Tires - Huggins Chevron Service, Dillon	80.45
Supplies - McClintock's	397.73
Gasoline - pickup - November	21.65
Pickup repairs - Buchanan Chevrolet Company	7.00
Drafting supplies - Grahams	.56
Chains for pickup - Huggins Chevron Service	17.00
Oil - Huggins Chevron Service	5.50
Hardware - Actis Mercantile, Melrose	43.66
Blueprints - Gendron Company, Spokane	12.41
Gas and oil - Sage Service	46.32
Freight on compressor - Andrews Equipment Co.	115.04
Total	$797.62

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures	None	67.20	67.20			
4. Labor[3]	1,908.19	479.25	2,387.44			
5. Supervision	100.00	1,200.00	1,300.00			
6. Supplies						
(a) Timber						
(b) Explosives						
(c) Repair Parts						
(d) Other						
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation						
10. Contract Work		5,241.11	5,241.11			
11. Other (specify) Sampling, Assaying						
and Misc. Supplies	797.62	1,293.75	2,091.37			
F. O. A. B. 1.5%	28.62	None	28.62			
State Unemp. Comp. 2.5%	47.70	None	47.70			
Fed. Assist. St. Unemp. Comp. @ 3%	5.72	None	5.72			
Mont. Emp. Comp. Ins. 2.8%	53.43	None	53.43			
Total	2,941.28	11,141.40	14,082.68			
Deletions	704.25		704.25			
Adjusted totals	2,237.03		13,378.43			
Totals previously reported			11,141.40			
Totals to date	2,237.03	11,141.40	13,378.43			

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by G. J. H. 2/10/53
Amount approved for payment 587.53
Remarks Contract Idm-E105 + Idm-E127 Combined. See Audit report.

Cont. # Idm-E127 2941.28
" " " 105 100.00
3041.28
Less Am't deleted in Audit 2257.91
Am't approved 783.37

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF _____

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals										

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No.
Idm-E 127

Name of Operator American Alloy Metals, Inc.
Docket No. DMA 1951X Idm-E-127
Total Contract Amount $ 21,993.80
Government Participation: 75 % Amount, $ 16,495.35
Distribution of Expenditures for Month of November, 1951

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 1 0 1952

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

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CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

American Alloy Metals, Inc.
(Name of Company)

By J. W. Melrose
(Signature of Authorized Official)

February 12, 1952
(Date)

J. W. Melrose
Project Manager
(Title)

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]						
(b) Rented[2]	None	1,933.80	1,933.80			
(c) Furnished by operator						
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings	None	381.29	381.29			
(c) Installations	None	545.00	545.00			

NARRATIVE

Drilling stopped with the start of cold weather, the first of November. However, it was possible to continue surveying on the Ivanhoe claim preparatory to future work in the spring. Lines were run from the last drill holes on the east end of the Ivanhoe claim down the cliffs to the lower old workings and to the end of the jeep road. This work continued until the 15th of the month.

J W Melrose

J. W. Melrose
Project Engineer

EXPLANATION - LABOR

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American Alloy Metals, Inc. was not registered in Montana at the time, so an arrangement was made with the R. S. McClintock Diamond Drilling Company to handle the payroll.

The men working for American Alloy Metals, Inc. also at times worked for R. S. McClintock. American Alloy Metals only used the men when it was absolutely necessary to aid in getting the job done in the most expeditious manner possible.

There were days when it was necessary for the men to work their regular shift of eight hours for McClintock and put in overtime for American Alloy Metals. As a consequence, it will be noted on the accompanying payroll that some men are shown as working fractions of days and yet receiving overtime for this work.

J W Melrose

J. W. Melrose
Project Manager

EXHIBIT
EXPLANATION

At the close of our surface exploration work at Browns Lake we had not submitted items of expense totalling $797.62, and a labor item of $838.61.

The former expense had to do with supplies purchased and should be charged to Idm-E-127. In our contract we have an item of $1,800.00 for sampling, assaying and miscellaneous supplies, but have used $1,293.75 of this amount. Although the supply cost is $301.49 over the amount remaining under the above item, we feel that because this was a legitimate expense in getting the job done it should properly be vouchered from remaining funds.

To date we have submitted labor costs of $587.81 listed as services in August Idm-E-105, $138.00 on September Idm-E-105, under sampling costs, and $479.25 on October Idm-E-127, under labor. This totals $1,205.06. We did not break the labor down into unit costs at the time of submission because of the difficulty of doing this through our arrangement with the McClintock Company. A certified copy of our payroll is attached. Our total labor costs, including F. O. A. B., State Unemployment, and Industrial Insurance, were $2,043.67, leaving a balance of $838.61.

The labor recap is as follows:

Access road	$ 382.19
Mapping	417.00
Sampling	259.50
Repair buildings	349.50
	$1,908.19

In order to prepare the unit costs properly, the original labor items have been deleted from each contract and the total labor submitted on November #127 contract.

Following is the supervision recap:

Supervision Recap

	Was Charged			Should Have Been Charged	
	#105	#127		#105	#127
Aug	$ 600.00	$800.00	Aug-Sept	$ 400.00	$ 200.00
Sept	600.00			300.00	300.00
Oct	200.00	400.00		300.00	300.00
Nov	None	None		100.00	100.00
Total	$1,400.00	$1,200.00		$1,100.00	$1,100.00

*Deletion $450.00

J. W. Melrose
Project Manager

*Deletion pro-rated $225.00 each contract.

EXPLANATION - RECAP OF ATTACHED RECEIPTS

Assay - Union Assay Office	$ 6.00
Repair chain saw - Butte Machinery	3.30
Assay - Washington Technical Laboratories	26.00
Gas - George Steel Company	15.00
Tires - Huggins Chevron Service, Dillon	80.45
Supplies - McClintock's	397.73
Gasoline - pickup - November	21.65
Pickup repairs - Buchanan Chevrolet Company	7.00
Drafting supplies - Grahams	.56
Chains for pickup - Huggins Chevron Service	17.00
Oil - Huggins Chevron Service	5.50
Hardware - Actis Mercantile, Melrose	43.66
Blueprints - Gendron Company, Spokane	12.41
Gas and oil - Sage Service	46.32
Freight on compressor - Andrews Equipment Co.	115.04
Total	$797.62

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures	None	67.20	67.20			
4. Labor[3]	1,908.19	479.25	2,387.44			
5. Supervision	100.00	1,200.00	1,300.00			
6. Supplies						
(a) Timber						
(b) Explosives						
(c) Repair Parts						
(d) Other						
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation						
10. Contract Work		5,241.11	5,241.11			
11. Other (specify) Sampling, Assaying and Misc. Supplies	797.62	1,293.75	2,091.37			
F. O. A. B. 1.5%	28.62	None	28.62			
State Unemp. Comp. 2.5%	47.70	None	47.70			
Fed. Assist. St. Unemp. Comp. @ 3%	5.72	None	5.72			
Mont. Emp. Comp. Ins. 2.8%	53.43	None	53.43			
Total	2,941.28	11,141.40	14,082.68			
Deletions	704.25		704.25			
Adjusted totals	2,237.03		13,378.43			
Totals previously reported			11,141.40			
Totals to date	2,237.03	11,141.40	13,378.43			

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by 2/10/53
Amount approved for payment 587.53
Remarks Cont. # Idm. E 105 & Idm-E 127 Combined, See Audit report

16—64068-3

Cont. # Idm-E 127 2941.28
— — 105 100.00
3041.28
Less Am't deleted in Audit 2257.91
Am't approved 783.37

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF _____

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals										

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

COPY

400

FEB 11 1953

Mr. A. E. Weissenborn, Executive Officer
DMEA Field Team, Region II
South 157 Howard Street
Spokane 4, Washington

Re: Docket No. DMA 1951-X - Tungsten
American Alloy Metals, Inc.
Ivanhoe Lode Mining Claim
Beaverhead County, Montana
Exploration Contract No. Idm-E-127

Dear Mr. Weissenborn:

Reference is made to the subject docket. In closing out this contract we find that a copy of the invoice submitted by R. S. McClintock for diamond drilling is needed to calculate the drilling costs.

It will be appreciated if you will have a copy of the above invoice in the amount of $5,241.11 prepared and forwarded to this office.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

J. H. Hedges

Member, Bureau of Mines

/s/ D. M. Lemmon

Member, Geological Survey

cc: Docket
Field Team, Region 2
Code 400
Admn. Read. File
Operating Committee
R. W. Geehan, USBM
D. M. Lemmon, USGS
Mr. Chambers

FARutledge/hhb
2/11/53

For audit report dated January 18, 1953, see E-105.

See folder E-105 for letter dated January 21, 1953,

from Robert M. Hull.

Noted JLL 12/24/52

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 22 1952

1012 Flood Building
870 Market Street
San Francisco 2, California

December 16, 1952

Air Mail

Mr. Robert M. Hull
DMEA Auditor, Region II
South 157 Howard Street
Spokane 8, Washington

Re: Contracts E105 and E127
American Alloy Metals Inc.

Dear Bob:

Received instructions by teletype December 12, 1952 from Mr. Jay L. Chambers to make an examination of cancelled bank checks and other pertinent data required for your audit of subject contracts.

I am attaching hereto four (4) pages of audit work papers which can be summarized as follows:

Checks issued 8/1/51 to 12/31/51	Page 3	$30,280.30
" " 2/8/52 to 3/14/52	" 4	91.97
Accounts Payable 12/31/51	" 4	4,280.80
Total Costs San Francisco office Records		$34,653.07

The San Francisco office of American Alloy Metals, Inc. has no distribution of the above total $34,653.07 between Contracts E105 and E127. All cancelled bank checks listed on pages 1 to 4 of work papers were examined and the amounts payable item of $4,280.80 listed on page 4 of work papers represents the amount paid by Frank Eichelberger, a stockholder of American Alloy Metals, Inc.

Mr. Paul Brislawn stated that the above amount of $34,653.07 represents Costs under Contracts E105 and E127 but that he did not maintain a breakdown of Costs between the two (2) Contracts. I might state that the MP-104's on hand here in San Francisco show the total Costs as follows:

Contract No.		
E-105	August 1951 to October 1951	$19,509.27
E-127	August 1951 to November '51	12,705.44
		$32,214.71

You will note that the MF-104's total $32,214.71 whereas the amount of Costs per work papers aggregate $34,653.07 which will have to be reconciled.

Mr. Brislawn advises that copies of all documents supporting the MF-104's are in the office of Mr. J. W. Melrose, 401 Symons Building, Spokane, Washington or in the office of Mr. Robert M. Roby, Dillon, Montana. The records here in San Francisco indicate Mr. J. W. Melrose signed all checks up to January 31, 1952 and Mr. Robert M. Roby signed all checks subsequent to January 31, 1952.

Trusting the information submitted helps you complete the audit.

Sincerely yours,

George Mavor

George Mavor
Auditor

Enclosures

cc: Mr. Jay L. Chambers, Chief

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.
D. M. E. A.

Jay L. Chambers
3719 2612

14X3923.970 Working Fund, DMEA

Mr. George Mayer, DMEA Auditor, Region III, 1012 Flood Building
870 Market Street, San Francisco 2, California

Received following wire from Hull in Spokane:

"Please request DMEA auditor Mayer to verify all payments made to J. W. Melrose as pertains to Exploration Contracts Idm-F105 and E127, American Alloy Metals, Incorporated. The cancelled checks are under the control of Paul Brislawn, Suite 1225, One Montgomery Street, San Francisco, California. These checks, according to information available Spokane, are drawn on the First National Bank of Dillon, Montana. Also ascertain the distribution of these payments as between contracts E105 and E127. Please have this information forwarded Spokane direct at the earliest possible date. This information necessary to complete audit and

is not available in Spokane."

Contact him direct for further information if necessary and also give findings directly to him.

(Signed) J. L. Chambers

Jas L. Chambers, Chief
Contract Administration and
Audit Division

JLChambers/wb
December 12, 1952

Copy to: Mails & Files
Adm. Reading File
Business Accounts
Mr. Hull
Mr. Chambers

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

D. M. E. A.

E. D. Talbert
3719 2612

14X3923.970 Working Fund, DMEA
November 19, 1952

Mr. Robert M. Hull, DMEA Auditor, 1201 North Division Street
Spokane, Washington

In re American Alloy Metals, Inc., Contracts E105 and E127, Dockets DMA-148 and DMA-1951, combined for accounting purposes and terminated by agreement dated October 1, 1952. These contracts should have high priority on your audit progress of terminated projects per my letter of November 7. Advise tentative dates on which you have scheduled their audit.

(Signed) E. D. Talbert

E. D. Talbert, Acting Chief
Contract Administration and
Audit Division

EDTalbert/wb
November 19, 1952

cc: Docket
Admr. Reading File
Bu Mines Audit
Mr. Selfridge
Mr. Talbert

Audit scheduled 11/21/52 E-105
per reply filed in

Standard Form No. 1034a—Rev.
Form approved by
Comptroller General, U. S.
May 26, 1938
(Amended August 15, 1941)

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

D. O. Vou. No. _____

Bu. Vou. No. 85

GENERAL ACCOUNTING OFFICE PREAUDIT

Certified for payment in the sum of $_____

Comptroller General of the United States

By _____

U. S. Interior, Mines
(Department, bureau, or establishment)

Voucher prepared at Albany, Oregon Jan. 3, 1952
(Give place and date)

THE UNITED STATES, Dr.,

To American Alloy Metals, Inc.
(Payee)

Address 401 Symons Bldg., Spokane 4, Washington

Payee's Account No. IDM-E 127

PAID BY

(For use of Paying Office)

No. and Date of Order	Date of Delivery or Service	Articles or Services (Enter description, item number of contract or general supply schedule, and other information deemed necessary) Terms _____% Discount Cash _____ days	Quantity	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
		Brought forward from continuation sheet(s)					
	October 1951	As per attached certified Form MF-104 dated November 1, 1951				6198	82

Shipped from _____ to _____ Weight _____ Government B/L No. _____ Total 6,198 82

(Payee must NOT use this space)

Differences _____

Account verified; correct for 6,198 82

(Signature or initials) _____

Contract No. IDM-E 127 Date 8/24/51 Req. No. _____ Date _____ Invoice Rec'd _____

MEMORANDUM

ACCOUNTING CLASSIFICATION (for completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n or Proj't Amount	Appropriation Amount
14X4401	Revolving Fund, Defense Production Act, Interior	6198.82	6198.82

Allotment symbol	Amount	Obligations liquidated	COST ACCOUNT Symbol	COST ACCOUNT Amount	OBJECTIVE CLASSIFICATION Symbol	OBJECTIVE CLASSIFICATION Amount

Paid by { Check No. _____ dated _____, 19____, for $_____ { on Treasurer of the United States in favor of payee named above.
Cash, $_____, on _____, 19____, Payee _____ (Sign original only)

* When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary", or "Treasurer", as the case may be.
† If the ability to certify and authority to approve are combined in one person, one signature only is necessary; otherwise the approving officer will sign in the blank space below "Approved for $_____", and over his official title.

Per _____

Title _____

16—22900a-1

METHOD OF OR ABSENCE OF ADVERTISING

(Section 3709 of the Revised Statutes)

1. After advertising in newspapers.

2. (*a*) After advertising by circular letters sent to _____ dealers.

   (*b*) And by notices posted in public places.

   (If notices were not posted in addition to advertising by circular letters sent to dealers, explanation of such omission must be made. The notation on the certificate on the face of the voucher must be "2(*a*)(*b*)" or "2(*a*)", depending on whether or not notices were posted.)

3. Without advertising, under an exigency of the service which existed prior to the order and would not admit of the delay incident to advertising.

4. Without advertising in accordance with _____

5. Without advertising, it being impracticable to secure competition because of _____

_____

_____

_____

_____

(Here state in detail the nature of the exigency or circumstances under which the securing of competition was impracticable under 3 and 4)

NOTE.—The above form "Method of or Absence of Advertising" is to be used when purchases are made or services secured under proper authority without written agreement in any form. In case of a written agreement (formal contract, proposal, and acceptance, or less formal agreement) Standard Form No. 1036—Revised should be used for abstracting the method of or absence of advertising and award of contract. (See General Regulations No. 51, Supplement No. 6, General Accounting Office, Aug. 20, 1930.)

U. S. GOVERNMENT PRINTING OFFICE: 1946 O-88934

16—22900-1

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 127

Name of Operator American Alloy Metals, Inc.
Docket No. DMA 1951X Idm-E-127
Total Contract Amount $ 21,993.80
Government Participation: 75 % Amount, $ 16,495.35
Distribution of Expenditures for Month of October, 1951

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

American Alloy Metals, Inc.
(Name of Company)

By J W Melrose
(Signature of Authorized Official)

November 1, 1951
(Date)

J. W. Melrose
Project Manager
(Title)

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]						
(b) Rented[2]	1,716.90	216.90	1,933.80			
(c) Furnished by operator						
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings		381.29	381.29			
(c) Installations		545.00	545.00			

16—64068-3

NARRATIVE STATEMENT

Early in the month we started Hole No. 6, but could see that because of the difficult terrain we would not reach the east end of the orebody before winter set in, so stopped drilling on No. 6 and moved to the east end as rapidly as possible. Our object was to probe the orebody at depth, down dip from outcrops and underground workings which sampling showed 0.50 WO_3.

We set up three rigs on Holes No. 10, 11 and 14, but for lack of water supply could only drill Nos. 10 and 11 at one time. No. 10 encountered tactite from 155-171 feet, which corresponded very closely with a 16-foot bed on the outcrop and lying above the main bed. No. 11 Hole encountered tactite from 36-43 feet. This bed was unknown to us and obscured on the surface. The same hole again passed through tactite from 119-126 feet. All of the tactite appeared good under the lamp, but as of this date we do not have the assay returns.

Both holes continued down and were within 10 feet of where they should have encountered the main tactite bed when extreme cold weather set in, making it impossible to do further drilling this year. It was just not possible to keep the long water lines open.

Although the drilling necessarily had to stop, we will continue as long as weather permits, to do certain mapping and sampling preparatory to finishing our drilling next spring.

A 2,000-pound plus sample was taken on the precipitous cliffs of the west end orebody and back packed to the end of the road. This sample was taken for metallurgical tests by the U. S. Bureau of Mines and shipped to Albany, Oregon.

J W Melrose

J. W. Melrose
Project Manager

EXHIBIT
EXPLANATION

Item	2(b)	Rented	
		See agreement with R. S. McClintock to build trails and approval of field team	$1,500.00
		See invoice rental equipment Andrews Equipment Co.	216.00
			1,716.90
	4	Labor for trench and cliffside sampling See payroll sheet and refer to attached letter of explanation	$ 479.25
	5	Supervision Ivanhoe claim	$ 400.00
	10	Contract work See McClintock Invoice	$5,241.11
	11	Sampling, assaying and miscellaneous supplies*	
		Gasoline and oil	$ 190.72
		Bags	52.50
		Hammer	2.63
		Assays	81.00
		Ultra violet lamp battery	.75
		Sample express charges	9.84
		Professional services	84.00
		Transportation of bulk samples	6.40
		Equipment rental**	100.00
			$ 527.84

*See attached receipt.
**Broken down on Page 4 under Sampling and Assaying $337.12
Miscellaneous Supplies $190.72

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures		67.20	67.20			
4. Labor[3]	479.25	None	479.25			
5. Supervision	400.00	800.00	1,200.00			
6. Supplies						
(a) Timber						
(b) Explosives						
(c) Repair Parts						
(d) Other						
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation						
10. Contract Work	5,241.11	None	5,241.11			
11. Other (specify)						
Sampling, assaying, & misc. supplies	527.84	865.91	1,393.75			
Total	8,365.10	2,876.30	11,241.40			
Deletions						
Adjusted totals						
Totals previously reported	8,365.10	2,876.30	11,241.40			
Totals to date	8,365.10	2,876.30	11,241.40			

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Glenn O. Reed
Amount approved for payment
Remarks

6273.83

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF October, 1951

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes				5,241.11	5,241.11	foot	526	None	526	2,000
Overburden										
Rehabilitation and preparation										
Geology and geophysics	400.00				400.00	month	2/3	1-1/3	2	2
Trenching										
Sampling and assaying	479.25			337.12	816.37					
Roads and trails				1,500.00	1,500.00	hour	100	None	100	100
Test pits										
Other (specify) misc. supplies			190.72		190.72					
rented				216.90	216.90					
Totals	879.25		190.72	7,295.13	8,365.10					

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

2

Standard Form No. 1034a—Rev.
Form approved by
Comptroller General, U. S.
May 26, 1938
(Amended August 15, 1941)

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

COPY

D. O. Vou. No. _____
Bu. Vou. No. DMA-24

GENERAL ACCOUNTING OFFICE PREAUDIT
Certified for payment in the sum of $_____
Comptroller General of the United States
By _____

U. S. Dept. of the Interior, Bureau of Mines
(Department, bureau, or establishment)
Voucher prepared at Albany, Oregon - 10/12/51
(Give place and date)
THE UNITED STATES, Dr.,
To American Alloy Metals, Inc.,
(Payee)
Address 401 Symons Building, Spokane 4, Washington
Payee's Account No. Idm-E-127

PAID BY
(For use of Paying Office)

No. and Date of Order	Date of Delivery or Service	Articles or Services (Enter description, item number of contract or general supply schedule, and other information deemed necessary) Terms _____% Discount Cash _____ days	Quantity	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
	8/22-9/30/51	Brought forward from continuation sheet(s) Certified form MF-104 dtd 10/2/51				2,157	23

Shipped from _____ to _____ Weight _____ Government B/L No. _____ Total 2,157 23

(Payee must NOT use this space)
Differences _____
Account verified; correct for 2,157 23
(Signature or initials) _____

Contract No. _____ Date _____ Req. No. _____ Date _____ Invoice Rec'd _____

2,157.23

MEMORANDUM

ACCOUNTING CLASSIFICATION (for completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n or Proj't Amount	Appropriation Amount
14X4401	Revolving Fund, Defense Production Act, Interior	2,157.23	2,157.23

Allotment symbol	Amount	Obligations liquidated	COST ACCOUNT Symbol	COST ACCOUNT Amount	OBJECTIVE CLASSIFICATION Symbol	OBJECTIVE CLASSIFICATION Amount

Paid by { Check No. _____ dated _____, 19____, for $_____ } on Treasurer of the United States in favor of payee named above.
{ Cash, $_____, on _____, 19____, Payee _____ }
(Sign original only)

* When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary", or "Treasurer", as the case may be.
† If the ability to certify and authority to approve are combined in one person, one signature only is necessary; otherwise the approving officer will sign in the blank space below "Approved for $_____", and over his official title.

16—22900a-1

Per _____
Title _____

METHOD OF OR ABSENCE OF ADVERTISING

(Section 3709 of the Revised Statutes)

1. After advertising in newspapers.

2. (*a*) After advertising by circular letters sent to _____ dealers.

(*b*) And by notices posted in public places.

(If notices were not posted in addition to advertising by circular letters sent to dealers, explanation of such omission must be made. The notation on the certificate on the face of the voucher must be "2(*a*) (*b*)" or "2(*a*)", depending on whether or not notices were posted.)

3. Without advertising, under an exigency of the service which existed prior to the order and would not admit of the delay incident to advertising.

4. Without advertising in accordance with _____

5. Without advertising, it being impracticable to secure competition because of _____

_____

_____

_____

_____

(Here state in detail the nature of the exigency or circumstances under which the securing of competition was impracticable under 3 and 4)

NOTE.—The above form "Method of or Absence of Advertising" is to be used when purchases are made or services secured under proper authority without written agreement in any form. In case of a written agreement (formal contract, proposal, and acceptance, or less formal agreement) Standard Form No. 1036—Revised should be used for abstracting the method of or absence of advertising and award of contract. (See General Regulations No. 51, Supplement No. 6, General Accounting Office, Aug. 20, 1930.)

U. S. GOVERNMENT PRINTING OFFICE: 1946 O-88934

16—22900-1

(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No.
Idm-E 127

DMA-1951

Name of Operator American Alloy Metals, Inc.
Docket No. DMA 1951X Idm E127
Total Contract Amount $ 21,993.80
Government Participation: 75 % Amount, $ 16,495.35
Distribution of Expenditures for Month of Aug. 22 - Sept. 30, 1951

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D. C.
NOV 30 1 59 PM '51

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

American Alloy Metals, Inc.
(Name of Company)
401 Symons Building, Spokane 4, Wash.

By J. W. Melrose
(Signature of Authorized Official)
J. W. Melrose
Project Manager
(Title)

October 2, 1951
(Date)

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

16—64068-3

U. S. BUREAU OF MINES
RECEIVED
OCT 24 1951
ALBANY, OREGON

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]						
(b) Rented[2]	216.90	None	216.90			
(c) Furnished by operator						
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings	381.29	None	381.29			
(c) Installations	545.00	None	545.00			

16—64068-3

EXHIBIT

EXPLANATION

ITEM

11 Other (specify)

Sampling and Assaying		
Bags	$ 8.70	
Assays	111.00	
Core boxes	302.64	
Freight on samples	12.60	
Professional sampling fees	360.00	
		$ 794.94
Miscellaneous Supplies		
Oil and gasoline		70.97

F-8

F-4

U. S. BUREAU OF MIN
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OCT 24 1951
ALBANY OREGON

NARRATIVE STATEMENT

The access road to the orebody on the south side of Rock Creek Valley was completed October 1 (See map). It was deemed not feasible to spend more money to continue the road east along the mountainside because of the rugged terrain. Therefore the diamond drill contracting company erected a high line to hoist this equipment to drill hole levels and are building tote trails to tug machines and material the remaining distance to the east.

Two more machines were brought in by the company during the month. Three holes were completed. Two did not show ore, but the third looks favorable. This makes a total of three holes (two in August) that encountered tactite.

An access road to claims on the north side of Rock Creek Valley was started during the month in order to trench, sample and otherwise explore claims in this area. Although difficulty will be encountered in building this road, it will not be as difficult as the south side road.

Building repairs which included a shower room, greatly boosted the morale of the men.

Bulk samples for metallurgical study by the U. S. Bureau of Mines are being taken. Because of the precipitous nature of the face of the orebody the securing of these samples will take time.

Attached is a preliminary geologic map of the south side orebody. A map is now being made of the north side.

J. W. Melrose
Project Manager

U. S. BUREAU OF MINES
RECEIVED
OCT 24 1951
ALBANY, OREGON

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures	67.20	None	67.20			
4. Labor[3]						
5. Supervision	800.00*	None	800.00*			
6. Supplies						
(a) Timber						
(b) Explosives						
(c) Repair Parts						
(d) Other						
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation						
10. Contract Work						
11. Other (specify)						
Sampling & Assaying	794.94	None	794.94			
Misc. supplies per contract	70.97	None	70.97			
Total	2,876.30		2,876.30			
Deletions						
Adjusted totals						
Totals previously reported	None	None				
Totals to date	2,876.30	None	2,876.30			

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Glenn A. Reed
Amount approved for payment
Remarks

*pro-rated portion of Aug. plus Sept. per contract.
Includes geological work.

16—64068-3

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U. S. BUREAU OF MINES
RECEIVED
OCT 24 1951
ALBANY, OREGON

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF Aug. 22 - Sept. 30, 1951

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress[4]				
	Wages[1] and salaries	Equipment[2]	Supplies	Other[3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation				993.49	993.49					
Geology and geophysics	*800.00				800.00	month	1 1/3	None	1 1/3	2
Trenching										
Sampling and assaying				794.94	794.94					
Roads and trails										
Test pits										
Other (specify) Misc. supplies per contract				70.97	70.97					
Equipment rental per contract				216.90	216.90					
Totals	800.00			2,076.30	2,876.30					

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

*Includes Supervision

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
So. 157 Howard Street
Spokane 4, Washington

October 16, 1952

Mr. Frank E. Johnson, Chairman
Operating Committee, DMEA
Washington 25, D. C.

Re: Docket DMEA-2292 (Tungsten)
American Alloy Metals, Inc.
Beaverhead County, Montana
Contract Idm-E247

Dear Mr. Johnson:

Enclosed is Amendment No. 3 (original and two signed copies) to the subject contract. The justification for this amendment is attached thereto.

We are also enclosing the original and two signed copies of the agreement combining two exploration projects (Idm-E105 and Idm-E127) and terminating them. As the agreement was consummated, we are destroying all copies of the Guaranty in accordance with your letter dated September 22, 1952.

See E-105 for copy of agreement

Copies of the amendment and agreement have been retained by the Operator, copies are being retained for the files of this office, and by carbon copy of this letter, copies of the documents are being sent to the Regional Finance Officer.

Sincerely yours,

A. E. Weissenborn
A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures
cc: USBM (2)
Reg. Finance Officer w/encls.
Myers

Department of the Interior
Defense Minerals Administration
OCT 20 1952

cal 10-20

APPROVAL

December 14, 1951
Date

Under authority granted by Order No. 2653 of the Acting Secretary of the Interior, approval is hereby given to a subcontract between American Alloys Metals, Inc. 1 Montgomery Street, San Francisco, Calif. Contracting Officer, and Paul W. Smith, Contractor, described in attached copy of the AGREEMENT dated July 16, 1951, an approved copy of which shall be kept on file in the Regional Office of the DMA Field Team, Region II, for a portion of the work to be performed under Exploration Contract Idm-E127 dated August 24, 1951.

This approval shall not be construed to increase the estimated total cost of the project, the aggregate total amount which the Government may be obligated to pay, or the percentage of the costs which the Government may be obligated to pay, under the provisions of Article 13 of the contract form.

Executive Officer, DMA
Field Team, Region II

Member, DMA
Field Team, Region II

C
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P
Y

A G R E E M E N T

This agreement made and entered into this 16th day of July, 1951, by and between Frank Eichelberger and Paul W. Smith for the purpose of bulldozing at the Browns Lake tungsten property.

The work will be charged for at the rate of $15 an hour, with a minimum of 300 hours worth of work to be done, and a maximum of 500 hours worth of bulldozing under this contract.

The work is to be continuous until completed.

/s/ Frank Eichelberger

/s/ Paul W. Smith

APPROVAL

December 14, 1951
Date

Under authority granted by Order No. 2653 of the Acting Secretary of the Interior, approval is hereby given to a subcontract between American Alloys Metals, Inc. 1 Montgomery Street, San Francisco, Calif. Contracting Officer, and R. S. McClintock, Contractor, described in attached copy of letter dated July 6, 1951, an approved copy of which shall be kept on file in the Regional Office of the DMA Field Team, Region II, for a portion of the work to be performed under Exploration Contract Idm-E127 dated August 24, 1951.

This approval shall not be construed to increase the estimated total cost of the project, the aggregate total amount which the Government may be obligated to pay, or the percentage of the costs which the Government may be obligated to pay, under the provisions of Article 13 of the contract form.

A. E. Weinbrum
Executive Officer, DMA
Field Team, Region II

M. E. Malin
Member, DMA
Field Team, Region II

Mr. Frank Eichelberger
Doing business for: E. L. Cleveland
Estey A. Julian
Frank Eichelberger
Suite 401, Symons Building
Spokane, Washington

Dear Mr. Eichelberger:

With regard to a proposed diamond drill program at your Brown Lake property near Melrose, Montana.

We understand that you will drill a minimum of 3000 linear feet, holes ranging from 250 feet to 500 feet in depth, AX size, that you will furnish access road to the site including a bridge across Rock Creek and that you will furnish a tractor which will assist in mobilizing our equipment.

Based on the above, we quote you as follows:

0 to 500 feet per hole	$7.75 per foot

The above quotation provides for our furnishing all material, labor, equipment, water line, pumping plants and diamond bits necessary to complete these holes.

In the event loose and caving material or water courses are encountered that will tend to make drilling impractical without the use of casing or cement, an additional charge of $3.50 per foot will be made for reaming and landing the casing or placing cement and redrilling the cemented section of the hole.

If, upon completion of the contract our cost figures reflect a net profit in excess of 10% of our expenses which include a 12½% overhead, we will refund the difference.

Our employees will be covered by Workman's Compensation to comply with the State Act and our operation will be covered by Public Liability in the amounts of $100,000 and $300,000 and Property Damage in the amount of $100,000.

Yours very truly,

/s/ R. S. McClintock

RSM/is

APPROVAL

December 14, 1951
Date

Under authority granted by Order No. 2653 of the Acting Secretary of the Interior, approval is hereby given to a subcontract between American Alloys Metals, Inc. 1 Montgomery Street, San Francisco, Calif. Contracting Officer, and R. S. McClintock, Contractor, described in attached copy of letter dated December 8, 1951, an approved copy of which shall be kept on file in the Regional Office of the DMA Field Team, Region II, for a portion of the work to be performed under Exploration Contract Idm-E127 dated August 24, 1951.

This approval shall not be construed to increase the estimated total cost of the project, the aggregate total amount which the Government may be obligated to pay, or the percentage of the costs which the Government may be obligated to pay, under the provisions of Article 13 of the contract form.

A. E. Weissenborn
Executive Officer, DMA
Field Team, Region II

M E Blake
Member, DMA
Field Team, Region II

C
O
P
Y

R. S. McCLINTOCK
Diamond Drill Contracting

West 416-418 2nd Ave.
Spokane, Washington
December 8, 1951

American Alloy Metals, Inc.
Suite 401, Symons Building
Spokane, Washington

Gentlemen:

In connection with the diamond drill program at your Browns Lake property near Melrose, Montana, we agree to build for the sum of $1,500.00 the trails necessary to facilitate moving of our drilling equipment on the drill range located on the Ivanhoe Claim.

Yours very truly,

/s/ R. S. McClintock

RSM:eg

Docket No. [illegible] 1951

Commodity [illegible]

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

STRATEGIC AND CRITICAL MINERALS EXPLORATION PROGRAM

TO: Chief, Finance Section, Budget and Finance Branch, Bureau of Mines

Please enter on the records of the Defense Minerals Exploration Administration, under the Strategic and Critical Minerals Exploration Program, the following contract, or amendment to contract.

Contract No. Idm-E [illegible]

Date of Contract or Amendment: August 24, 1951

Name and Address of Operator:
[illegible] Mining Estate, Inc.
[illegible] Montgomery St.,
San Francisco, California

Amount of Government participation $ [illegible]

Percent of Government participation [illegible] %

Region: [illegible] State: [illegible]

Note: Memo advice [illegible] advice Contract Administration and Audit Division

(Name)

J. [illegible],
Chief, Contract Administration and Audit Division

(Title)

Date Delivered to Bureau of Mines, Washington. May [illegible], 1953 13808

Docket No. [redacted]

Commodity [redacted]

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

STRATEGIC AND CRITICAL MINERALS EXPLORATION PROGRAM

TO: Chief, Finance Section, Budget and Finance Branch, Bureau of Mines

Please enter on the records of the Defense Minerals Exploration Administration, under the Strategic and Critical Minerals Exploration Program, the following contract, or amendment to contract.

Contract No. Idm-E [redacted]

Date of Contract or Amendment: [redacted] August 24, 1951

Name and Address of Operator:

[redacted]

Amount of Government participation [redacted] $ [redacted]

Percent of Government participation [redacted] %

Region: [redacted] State: [redacted]

Note: This document establishes the obligation shown above and cancels the previous obligation of $16,405.35

(Name)

[redacted]

(Title)

May 20, 1953

Date Delivered to Bureau of Mines, Washington.

13808

MF-200
(June 1951)

Indexed
No. Card
Card
Reviewed 8/5/51

RECEIVED SEP 4 1951 G.A.O.

Docket No. DMA 1951X
Commodity Tungsten
Idm-E127

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

EXPLORATION PROJECT CONTRACT [1]

It is agreed this 24 day of August, 1951, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and [2]
American Alloys Metals, Inc.
1 Montgomery Street
San Francisco, California

hereinafter called the "Operator," as follows:

1. *Authority for contract.* This agreement is entered into under the authority of the Defense Production Act of 1950, pursuant to Mineral Order 5, entitled "Regulations Governing Government Aid in Defense Exploration Projects."

2. *Operator's property rights.* The exploration project shall be conducted on that certain property situated in the State of Montana, County of Beaverhead described as follows: [3]

See Appendix I attached hereto.

SEP 6 SEP 17
RECA.
CONTRACT SERV. SEC.
G.A.O.

with respect to which the Operator represents and undertakes: [4]

(*a*) ~~That he is the sole owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached:~~

Appendix II, Guaranty,

(*b*) That he is a lessee, in possession and entitled to possession, and the ~~subordination agreement of the lessor~~ is attached.

3. *Exploration project.* The Operator, within Thirty (30) days from the date of this contract shall commence work on a project of exploration for [5] tungsten ore; shall prosecute the work efficiently, expertly, in a workmanlike manner, in accordance with good mining standards, with suitable and adequate equipment, materials, and labor, all properly designed to bring the project to completion within a period of [6] four (4) months from the date of this contract. The exploration project and the work to be performed are more fully described on Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, is made a part of this contract.

4. *Performance of the work.* The work shall be performed by the Operator, under his sole direction and control: *Provided,* That with the consent of the Government and its written approval of the contract or contracts, all or any part of the work may be performed by the Operator through contract or contracts with independent contractors. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

5. *Fixtures and improvements.* The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof. Any additional facilities, buildings, and fixtures, to be purchased, installed, or erected by the Operator, with the estimated cost of each, to which the Government will contribute currently its agreed pro rata share, are listed in Exhibit "A" attached hereto. The difference between the cost of such additional facilities, buildings, or fixtures, and the salvage value thereof at the conclusion of the work, shall be charged as a cost of the project to which the Government has contributed its pro rata share.

6. *Operating equipment.* Any operating equipment to be rented, purchased, or furnished by the Operator, with the allowable rental, purchase price, or depreciation, as the case may be, is listed under appropriate headings in Exhibit "A" attached hereto. As to equipment purchased for the project, the Government will contribute its agreed pro rata share of the cost thereof, and the difference between the cost and the salvage value at the conclusion of the work shall be charged as a cost of the project to which the Government has contributed its pro rata share.

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] State name, address, and nature of organization if any.
[3] Give legal description or enough to identify the property.
[4] Strike out the provision not applicable.
[5] Name of mineral.
[6] Not in excess of 2 years.

7. *Title to and disposition of property.* All facilities, buildings, fixtures, equipment, or other items costing more than $50 each, paid for or purchased with funds contributed jointly by the Operator and the Government, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the termination of the contract, if they have any salvage value, shall be disposed of for their joint account unless the Government, in writing, waives its interest in any such items. The Government may require the dismantling, severance from land, and removal of any such items in order to realize its interest in the salvage value thereof, and the cost of any such removal and of the disposal of the items shall be for the joint account of the parties in proportion to their respective interests.

8. *Labor and supervision.* An itemized schedule of labor, by numbers and classes (miners, muckers, millmen, etc.), and of supervisors, by numbers and positions, with the maximum wages or salaries that may be paid to each as an allowable cost of the project is set forth in Exhibit "A" attached hereto.

9. *Rehabilitation and repairs.* A statement of the cost of any necessary rehabilitation or repairs to put existing facilities, buildings, installations, and fixtures into useful and operable condition and which are to be allowed as costs of the project is included in Exhibit "A."

10. *Allowable costs of the project.* The costs of the project in which the Government will participate are limited to the necessary, reasonable, direct costs of performing the exploration work, including the costs of materials, supplies, engineering, power, water, analytical work, accounting, and utilities, including items of equipment costing less than $50 each; and the costs referred to in Articles 5, 6, 8, and 9, and the exhibits annexed to and referred to in this contract. Although the Government may pay part of the cost of new or additional facilities, structures, buildings, and equipment, only the depreciation on such items, computed as indicated in Articles 5 and 6, will be charged as a cost of the project. No items of general overhead, corporate management, interest, taxes, or any other indirect costs not expressly allowed by these provisions, or work performed or costs incurred before the date of this contract, shall be allowed as costs of the project in which the Government will participate.

11. *Accounts and audits.* The Operator shall keep suitable records and accounts of operations, which the Government may inspect and audit at any time. The Government may at any time require an audit of the Operator's records and accounts by a certified public accountant, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract.

12. *Progress reports.* The Operator shall provide the Government with monthly reports of work performed under the contract upon forms to be provided by the Government. Each monthly progress report shall bear the certification of the Operator and shall constitute the Operator's invoice of costs incurred on the project during the period covered by the report.

13. *Payment to the Operator.* The monthly progress report (invoice), to the extent approved by the Government, shall be processed for payment by the Government. Payment shall be made in the amount of 75 percent of the approved costs incurred; *Provided,* That the aggregate total of all sums paid by the Government under this agreement shall not exceed $16,495.35, which is 75 percent of the agreed estimated total cost of this project, $21,993.80.

14. *Final reports by Operator.* Upon completion of the project or termination of this contract, the Operator shall provide the Government with a comprehensive geologic and engineering report, including an estimate of ore reserves, to the best of his ability. Four copies of all reports shall be furnished to the Government.

15. *Repayment by Operator.* If, upon the completion of the exploration project or termination of the contract, the Government considers that a discovery or development has resulted from the work from which commercial production of ore may be made, the Government, within 6 months thereafter, shall so certify to the Operator, particularly describing and delimiting its estimate of the discovery or the development. Thereafter, if and as ore is produced as a result of such discovery or development, the Operator and his successor in interest shall be and become obligated to pay to the Government a percentage royalty on the net smelter returns or other net proceeds realized from such ore, concentrates, or metal produced within ten (10) years from the date of this contract, until the total amount contributed by the Government, without interest, is fully repaid or said 10 years have elapsed, whichever occurs first, as follows:

Of net smelter returns or other net proceeds not in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent.

Of net smelter returns or other net proceeds in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent, plus one-half (½) percent for each additional full fifty cents ($0.50) in excess of eight dollars ($8.00) per ton of ore, but not in excess of a maximum of five (5) percent.

This obligation to repay from net returns or proceeds shall be and remain a claim and lien upon the mineral deposit which is the subject of the exploration project and upon any production resulting from such discovery or development, in favor of the Government, until fully paid, or until said 10-year period has elapsed; and this claim and lien and the Government's right to repayment shall survive any termination of the contract, whether by completion of the exploration project or otherwise. This article is not to be construed as imposing any obligation on the Operator or his successor in interest to produce ore from any such discovery or development.

16. *No assignment of contract.* Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder.

17. *Termination and completion.* The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worthwhile discovery and in the opinion of the Government further operations are not justified. Upon the completion of the project or any termination of the contract the Operator shall render to the Government a full and final accounting of his operations under the contract and his expenditures of money; shall dispose of any unused materials, supplies, and equipment for the joint account of the Operator and the Government in the proportion of their respective interests; and shall pay to the Government its pro-rata share of any money remaining.

Executed in sextuplicate the day and year first above written.

American Alloys Metals, Inc.
(Operator)

By Frank Richelberger V.P.

THE UNITED STATES OF AMERICA

By C O Mittendorf

Director, Production Expansion Division
Defense Minerals Administration

U. S. GOVERNMENT PRINTING OFFICE 16—64066-2

EXHIBIT A - Exploration Project

The exploration program consists of diamond drilling six holes totaling 2000 feet on the Ivanhoe Lode Mining Claim situated in Lot 37, T4S, R10W, Beaverhead County, Montana, which is a portion of the property described in Appendix I attached. In addition to the actual drilling, repair of present camp buildings, repair of road to property and building of access road to drilling sites are required for the project.

Estimated costs of the project are as follows:

(1)	Diamond drilling 2000 feet @ $7.75 per foot	$15,500.00
(2)	Bulldozer 100 hours @ $15.00 per hour	1,500.00
(3)	Labor, 40 shifts @ $14.00 per shift	560.00
(4)	Supervision, 1 @ $600 per month for 2 months	1,200.00
(5)	Repair of buildings	1,000.00
(6)	Equipment to be rented by operator	433.80
(7)	Sampling, assaying and miscellaneous supplies	1,800.00
	Total	$21,993.80

(1) The diamond drilling is to be done on contract at an estimated cost of $7.75 per foot and contract is subject to Government approval prior to starting of work.

(2) A bulldozer is to be rented at a rate of $15 per hour including operator, supplies, repairs and maintenance, and is allowable to a maximum of $1500.

(3) Labor to consist of miner and common laborers @ $14.00 per day, as required for road and building repair, to a maximum of 40 days.

(5) Repair of existing camp buildings required for crew is detailed and allowable as follows:

Water line to cook house	$ 400.00
Replace window frames and glass	150.00
Repair of building frames	100.00
Repair of building roofs	100.00
Insulation of cook house and other buildings as required	250.00
Total	$1,000.00

(6) Equipment to be rented by the company is listed and allowable as follows:

Compressor	$164.00	per month
Rock Drill	36.00	" "
Hose and Steel	16.90	" "
Total	$216.90	

Maximum rental period allowable to be two months.

Cost of fixtures and improvements and cost of rehabilitation and repairs other than specified above shall not be allowable under this contract.

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APPENDIX I

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned are the assignees of the lessee under that certain mining lease by and between FLUORESCENT MINES, a Montana corporation, as lessor, and E. L. CLEVELAND, as lessee, dated January 17, 1951, and covering the following described mining claims situate in the Vipond Mining District of Beaverhead County, Montana:

"STAR NO. 1" Mining Claim as located January 23, 1943, the Certificate of Location thereof being recorded in Book 101 of Lode Locations at pages 360 and 361 thereof, official records of Beaverhead County, Montana;

"STAR NO. 2" Mining Claim, as located January 23, 1943, the Certificate of Location thereof being recorded in Book 101 of Lode Locations, at pages 361 and 362 thereof, official records of Beaverhead County, Montana;

"STAR NO. 3" Mining Claim, as located January 23, 1943, the Certificate of Location thereof being recorded in Book 101 of Lode Locations, at pages 362 and 363 thereof, offocial records of Beaverhead County, Montana;

"BLACK BUTTER" Mining Claim, as located August 26, 1942, the Certificate of Location thereof being recorded in Book 101 of Lode Locations, at pages 358 and 359 thereof, official records of Beaverhead County, Montana;

"LOST COPPER" Mining Claim, as located July 15, 1942, the Certificate of Location thereof being recorded in Book 101 of Lode Locations, at pages 342 and 343 thereof, official records of Beaverhead County, Montana;

"TIN HORN" Mining Claim, as located August 12, 1942, the Certificate of Location thereof being recorded in Book 101 of Lode Locations, at pages 351 and 352 thereof, official records of Beaverhead County, Montana;

"LONE EAGLE" Mining Claim, as located August 25, 1942, the Certificate of Location thereof being recorded in Book 101 of Lode Locations, at page 357 thereof, official records of Beaverhead County, Montana;

"GRANIT" Mining Claim, as located August 12, 1942, the Certificate of Location thereof being recorded in Book 101 of Lode Locations, at pages 353 and 354 thereof, official records of Beaverhead County, Montana;

"RED RASPBERRY" Mining Claim, as located August 26, 1942, the certificate of Location thereof being recorded in Book 101 of Lode Locations, at pages 359 and 360 thereof, official records of Beaverhead County, Montana;

"RED SEAL" Mining Claim, as located August 12, 1942, the Certificate of Location thereof being recorded in Book 101 of Lode Locations, at pages 352 and 353 thereof, official records of Beaverhead County, Montana;

"SEAL NO. 1" Mining Claim, as located August 15, 1942, the Certificate of Location thereof being recorded in Book 101 of Lode Locations, at page 356 thereof, official records of Beaverhead County, Montana;

"HIGH BOY" Mining Claim, as located August 20, 1942, the Certificate of Location thereof being recorded in Book 101 of Lode Locations, at pages 354 and 355 thereof, official records of Beaverhead County, Montana;

"LONESOME" Mining Claim, as located August 25, 1942, the Certificate of Location thereof being recorded in Book 101 of Lode Locations, at pages 357 and 358 thereof, official records of Beaverhead County, Montana;

"MAMMOTH" Mining Claim, as located August 20, 1942, the Certificate of Location thereof being recorded in book 101 of Lode Locations, at pages 355 and 356 thereof, official records of Beaverhead County, Montana;

"GARNET" Mining Claim, as located July 20, 1942, the Certificate of Location thereof being recorded in Book 101 of Lode Locations, at pages 249 and 250 thereof, official records of Beaverhead County, Montana;

"FOX" Mining Claim, as located July 15, 1942, the Certificate of Location thereof being recorded in Book 101 of Lode Locations, at pages 241 and 242 thereof, official records of Beaverhead County, Montana; and

WHEREAS, the undersigned are the assignees of the lessee under that certain agreement and lease by and

between GEORGE W. PARLIN, lessor, and E. L. CLEVELAND, lessee, dated May 26, 1951, and covering the Ivanhoe Lode Mining Claim, Lode No. 37 located in Township 4 South of Range 10 West, M.P.M. and situated in Beaverhead County, State of Montana; and

WHEREAS, the undersigned are the assignees of that certain option to buy real property given on June 13, 1951 by R. C. McLAUGHLIN to E. L. CLEVELAND, and covering the property known as Browns Lake, situate in Beaverhead County, Montana, and more particularly described as follows:

> Beginning at corner No. 1, a red fir tree twenty-four inches in diameter marked 1-4596, from which a red fir tree ten inches in diameter marked 1-4596 B.T. bears south twenty degrees and thirty minutes east nineteen feet distant; a red fir tree thirteen inches in diameter marked 1-4596 B.T. bears north sixty-eight degrees and thirty minutes east twenty-seven feet distant, and Initial Point No. 1, bears south thirty-eight degrees and thirty minutes west two thousand and eighty-three feet distant.
> Thence, first course, magnetic variation eighteen degrees and thirty minutes east, north sixty-five degrees and thirteen minutes east one thousand three hundred and seventy-three and three tenths feet to corner No. 2.
> Thence second course, magnetic variation eighteen degrees and thirty minutes east, north forty-eight degrees and five minutes west six hundred and fifty feet the west end of No. 1 excavation, seven hundred and fifty feet to corner No. 3.
> Thence, third course, magnetic variation eighteen degrees and fifteen minutes east, north eight-five degrees and twenty minutes east one thousand five hundred and thirty-seven and four tenths feet to corner No. 4.
> Thence fourth course, magnetic variation seventeen degrees and thirty minutes east, south forty-two degrees and thirty minutes east seventy-five feet to corner No. 5.
> Thence, fifth course, magnetic variation seventeen degrees and ~~thirty~~ fifteen minutes east, north seventy-five degrees and nine minutes east two hundred and sixty-two feet to corner No. 6.
> Thence, sixth course, magnetic variation eighteen degrees and thirty minutes east, south eighty-three degrees and twenty-two minutes east four hundred and fifty-seven feet to a point from which the center of No. 4 excavation bears south fifty-eight degrees west

one hundred and twenty feet distant; and the north-east corner of a dam across Rock Creek bears south twenty-four degrees and thirty-eight minutes west two hundred and forty-four feet distant; five hundred and ninety-nine feet to corner No. 7.
Thence, seventh course, magnetic variation eighteen degrees and fifteen minutes east, south twenty-three degrees and fifteen minutes east fifty-five feet to said Rock Creek; five hundred and eighty-nine feet to corner No. 8.
Thence, eighth course, magnetic variation eighteen degrees and thirty minutes east, south forty-nine degrees and thirty-five minutes west three hundred and fifty-five feet to corner No. 9.
Thence, ninth course, magnetic variation eighteen degrees and fifteen minutes east, south eight-six degrees and thirty-two minutes west one hundred and fifteen feet croppings of lime rock; nine hundred and seventy-three and eight-tenths feet to corner No. 10, from which corner No. 2 of this survey bears north seventy-three degrees and ten minutes west nine hundred and two feet distant.
Thence, tenth course, magnetic variation eighteen degrees and fifteen minutes east, south forty degrees and twenty-four minutes west, one hundred and eighty-five feet croppings of lime rock; five hundred and eighty-two feet to corner No. 11.
Thence, eleventh course, magnetic variation eighteen degrees east, south sixty-six degrees and forty minutes west seven hundred and twenty-three feet croppings of lime rock; one thousand seven hundred and thirty-two feet to corner No. 12.
Thence, twelfth course, magnetic variation eighteen degrees east north nine degrees and fifty-five minutes west four hundred and ninety feet to said Rock Creek; eight hundred and twenty-seven feet to corner No. 1, the place of beginning, containing 73.78 acres, more or less;

NOW, THEREFORE, the undersigned, for and in consideration of the sum of Ten Dollars ($10.00) and other good and valuable considerations to them paid, receipt thereof is hereby acknowledged, hereby sell, release, quit claim and assign unto AMERICAN ALLOY METALS, INC., a Nevada corporation, its successors and assigns forever, all of our right, title and interest in and to the aforesaid leases, agreements and options.

IN WITNESS WHEREOF, we have hereunto set our

hands this 20th day of August, 1951.

(S) Estey A. Julian
Estey A. Julian

(S) Frank Eichelberger
Frank Eichelberger

(S) E. L. Cleveland
E. L. Cleveland

STATE OF California)
) ss.
County of San Francisco)

On this 20th day of August, 1951, before me, Eugene P. Jones, a Notary Public in and for the County of San Francisco, residing therein, duly commissioned and sworn, personally appeared BETTY A. JULIAN, known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal at my office in the County of San Francisco, the day and year in this certificate first above written.

(S) Eugene P. Jones
NOTARY PUBLIC
in and for the County of San Francisco,
State of California.

(SEAL)

STATE OF Washington }
County of Spokane } ss.

On this 9 day of August, 1951, before me, E. E. Ellersick, a Notary Public in and for the County of Spokane, residing therein, duly commissioned and sworn, personally appeared FRANK MICHELBERGER, known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal at my office in the County of Spokane, the day and year in this certificate first above written.

(S) E. E. Ellersick
NOTARY PUBLIC
in and for the County of Spokane
State of ~~California~~.
Washington

(Seal)

STATE OF Nevada)
)ss.
County of Washoe)

On this 15th day of August, 1951, before me, Oliver C. Custer, a Notary Public in and for the County of Washoe, residing therein, duly commissioned and sworn, personally appeared E. L. CLEVELAND, known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal at my office in the County of Washoe, the day and year in this certificate first above written.

(S) Oliver C. Custer
NOTARY PUBLIC
in and for the County of Washoe
State of ~~California~~.
Nevada

(Seal)

My commission expires February 10, ????

APPENDIX II

G U A R A N T Y

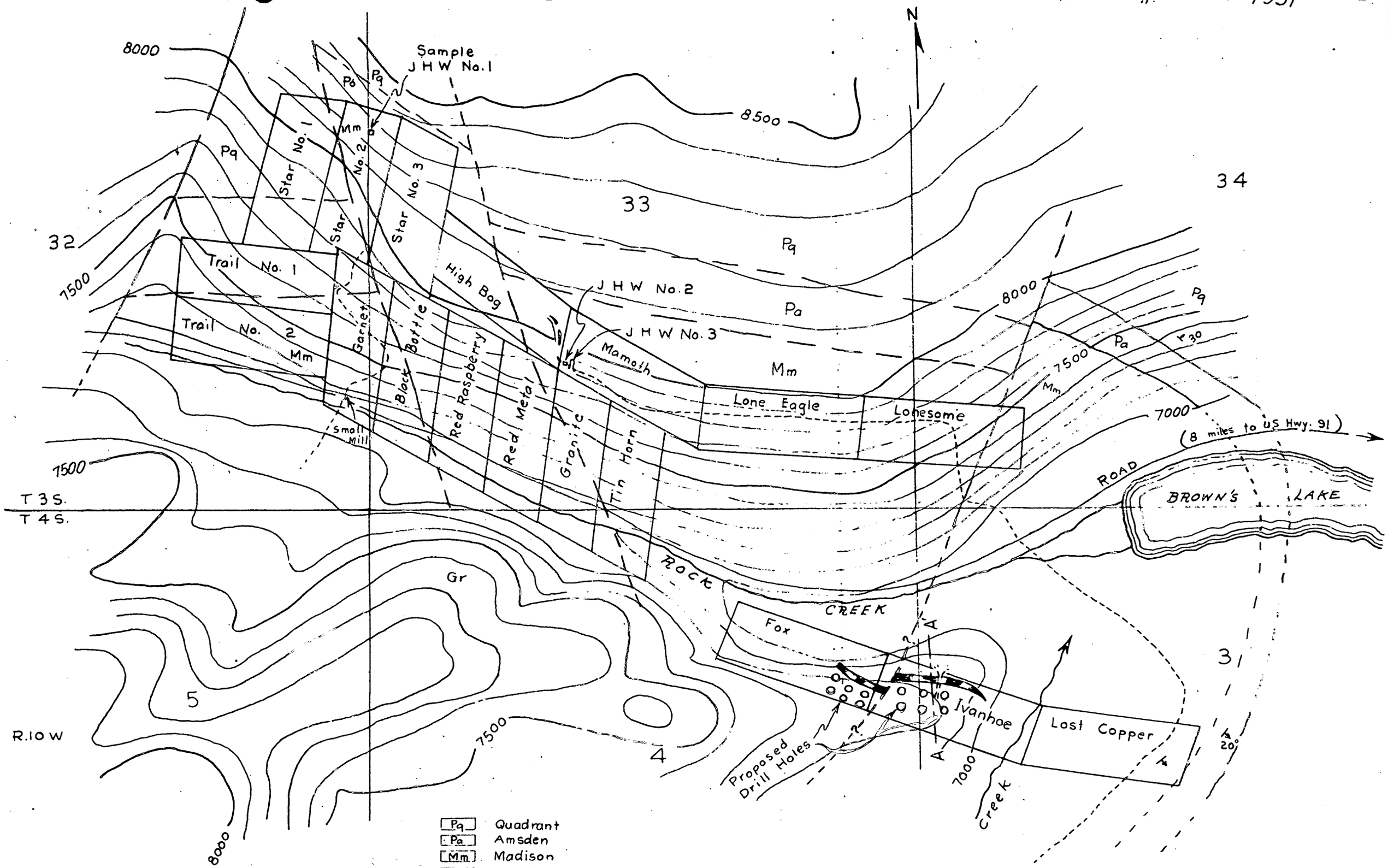
In consideration of the waiver by the United States of America of the requirement of a landlord's subordination agreement as set forth in paragraph 2(b) of the attached Exploration Project Contract between the undersigned and the United States of America, the undersigned hereby guarantees the payment to the United States of America of royalties, as specified in paragraph 15 of said Contract, upon any and all ore discovered or developed as a result of said Contract, which is mined within 10 years from the date of said Contract, whether or not the undersigned has any interest in the property covered by the said Contract or any part in the mining operations at the time said ore is mined. If for any reason the net smelter returns from operations that would be subject under said contract to such payments to the United States of America are not available as a means of measuring the amount of such payment, then the undersigned agrees and undertakes to make such payment according to the best estimates of the amount that can reasonably be made, and in the event of dispute as to such estimate, the undersigned agrees that the determination thereof by either the Administrator of Defense Minerals Administration or by the Director of the United States Bureau of Mines shall be final and binding upon the undersigned; provided, however, that should undersigned, prior to the accrual of any obligation to pay under this guarantee, furnish to the United States the subordination agreement required by paragraph 2(b) of said contract this covenant shall thereupon become fully satisfied and of no further force or effect.

Dated this 23rd day of August 1951.

American Alloys Metals, Inc.

Frank Schelhuyer V.P.

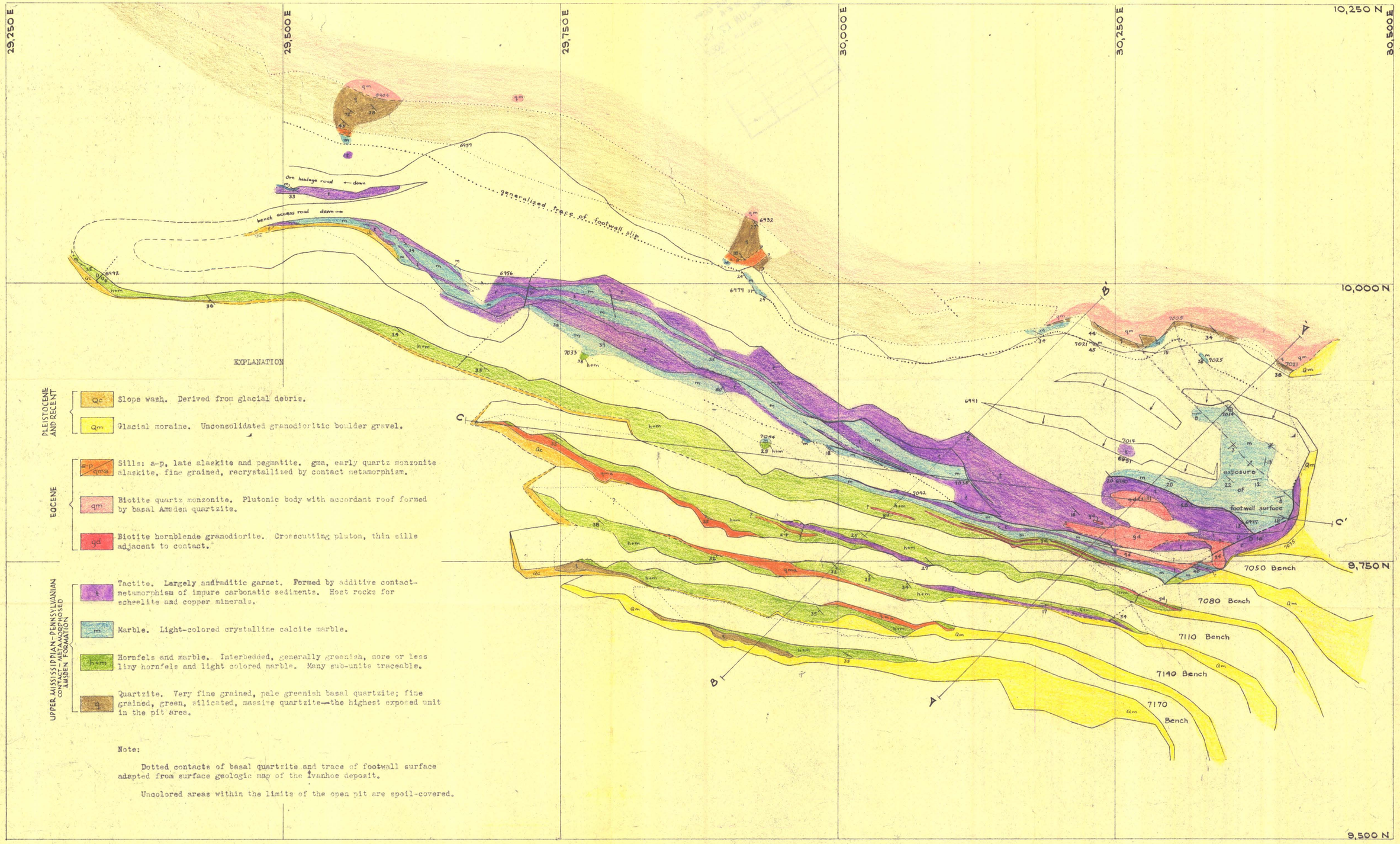
D.M.A. DOCKET No. 148
" " " 1951



Scale 1" = 1000'

Brown's Lake Tungsten Deposit

Beaverhead County, Mont.



EXPLANATION

PLEISTOCENE AND RECENT

- Qc — Slope wash. Derived from glacial debris.
- Qm — Glacial moraine. Unconsolidated granodioritic boulder gravel.

EOCENE

- a-p / gma — Sills: a-p, late alaskite and pegmatite. gma, early quartz monzonite alaskite, fine grained, recrystallized by contact metamorphism.
- qm — Biotite quartz monzonite. Plutonic body with accordant roof formed by basal Amsden quartzite.
- gd — Biotite hornblende granodiorite. Crosscutting pluton, thin sills adjacent to contact.

UPPER MISSISSIPPIAN-PENNSYLVANIAN CONTACT-METAMORPHOSED AMSDEN FORMATION

- t — Tactite. Largely andraditic garnet. Formed by additive contact-metamorphism of impure carbonatic sediments. Host rocks for scheelite and copper minerals.
- m — Marble. Light-colored crystalline calcite marble.
- h+m — Hornfels and marble. Interbedded, generally greenish, more or less limy hornfels and light colored marble. Many sub-units traceable.
- q — Quartzite. Very fine grained, pale greenish basal quartzite; fine grained, green, silicated, massive quartzite—the highest exposed unit in the pit area.

Note:

Dotted contacts of basal quartzite and trace of footwall surface adapted from surface geologic map of the Ivanhoe deposit.

Uncolored areas within the limits of the open pit are spoil-covered.

GEOLOGIC MAP OF THE OPEN PIT
IVANHOE TUNGSTEN DEPOSIT
BEAVERHEAD COUNTY, MONTANA

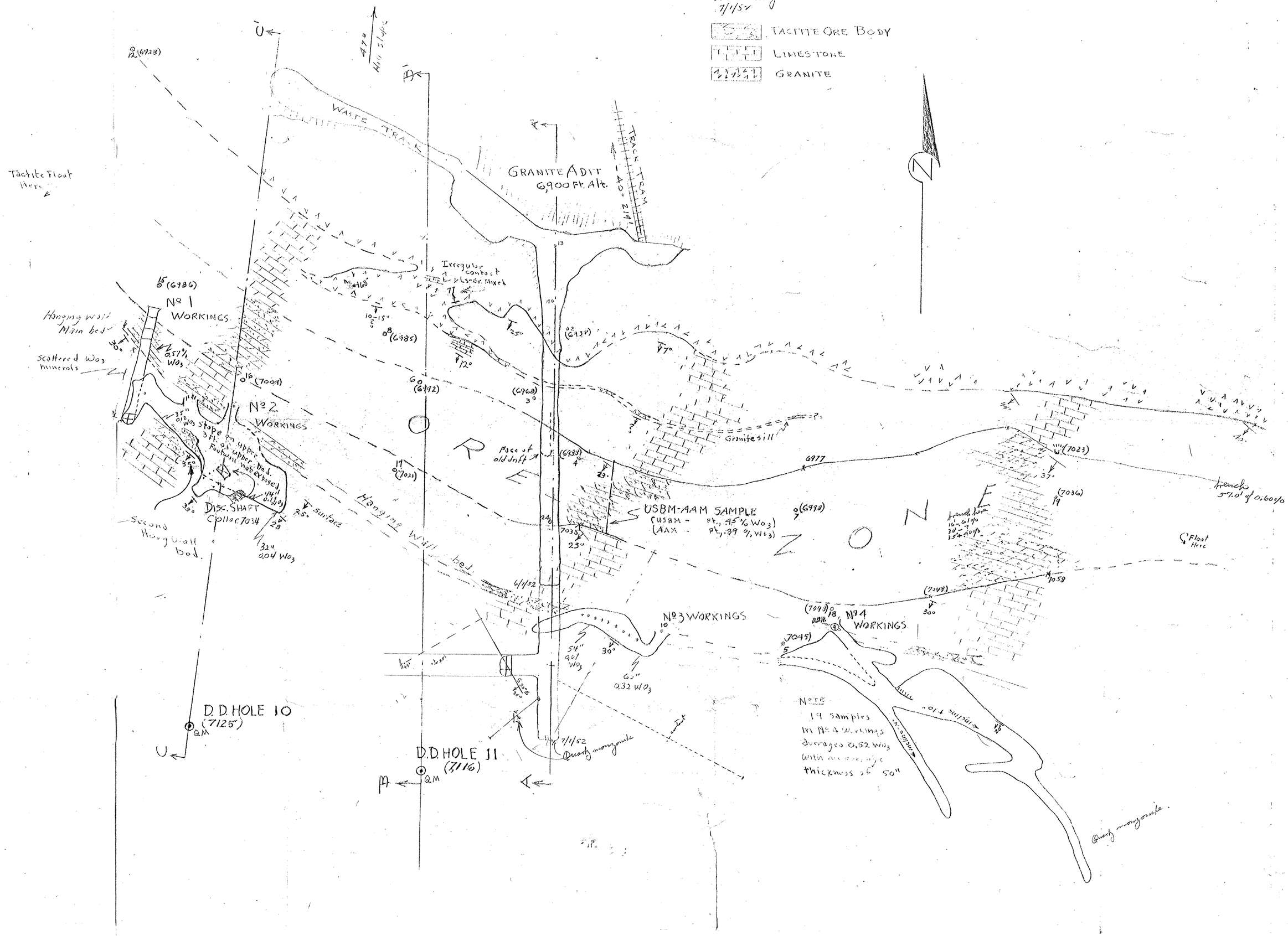
SCALE: 1" = 50' AUGUST 1955

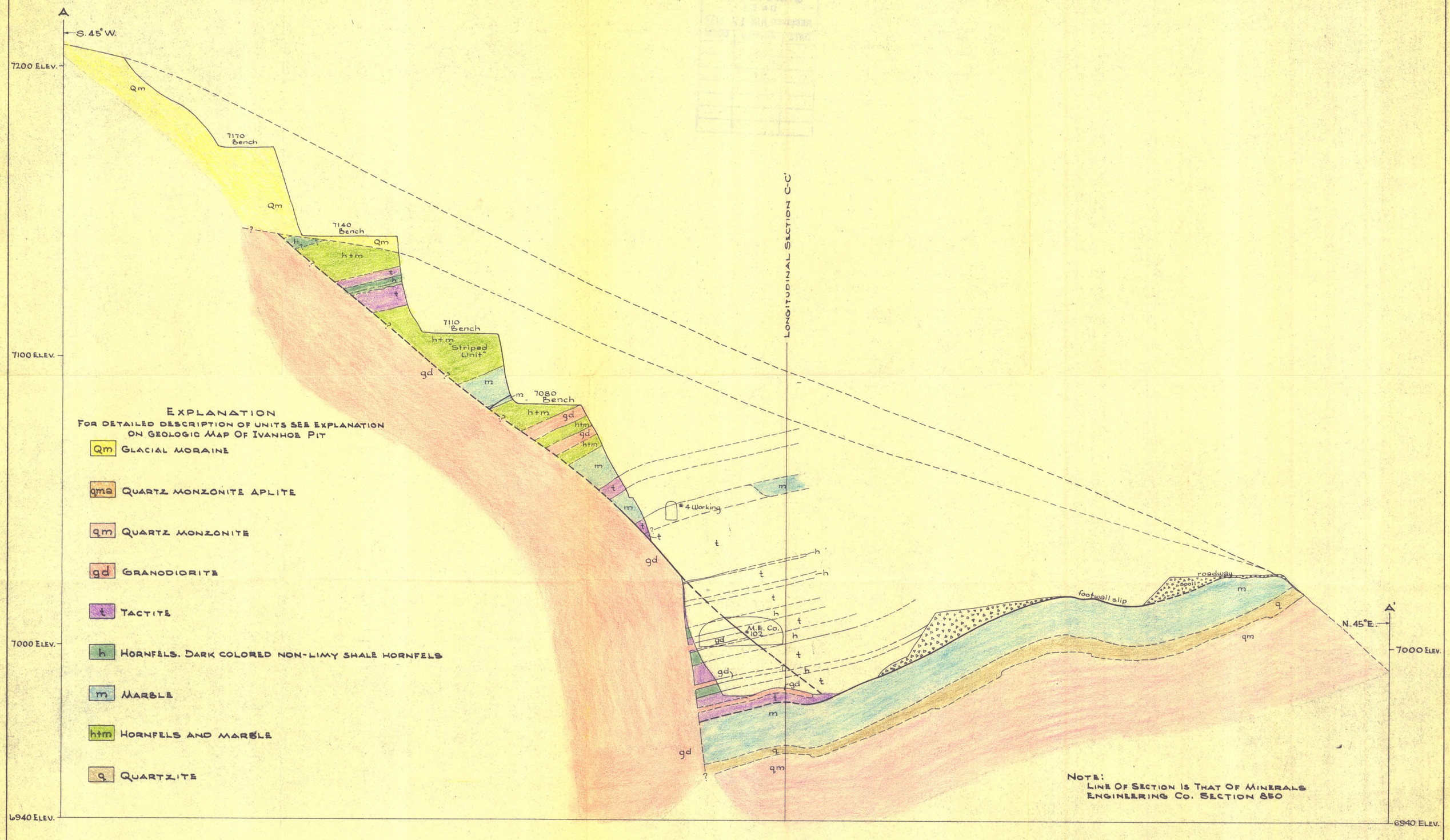
PLATE 4

AMERICAN ALLOY METALS, INC.
GLEN, MONT.
BROWN'S LAKE TUNGSTEN MINES
PLAN MAP
Surface and Workings, East end Ivanhoe Claim
SCALE 1 in = 20 ft.

Robert M Roby
7/1/52

TACTITE ORE BODY
LIMESTONE
GRANITE





EXPLANATION

FOR DETAILED DESCRIPTION OF UNITS SEE EXPLANATION ON GEOLOGIC MAP OF IVANHOE PIT

- Qm — GLACIAL MORAINE
- qms — QUARTZ MONZONITE APLITE
- qm — QUARTZ MONZONITE
- gd — GRANODIORITE
- t — TACTITE
- h — HORNFELS. DARK COLORED NON-LIMY SHALE HORNFELS
- m — MARBLE
- htm — HORNFELS AND MARBLE
- q — QUARTZITE

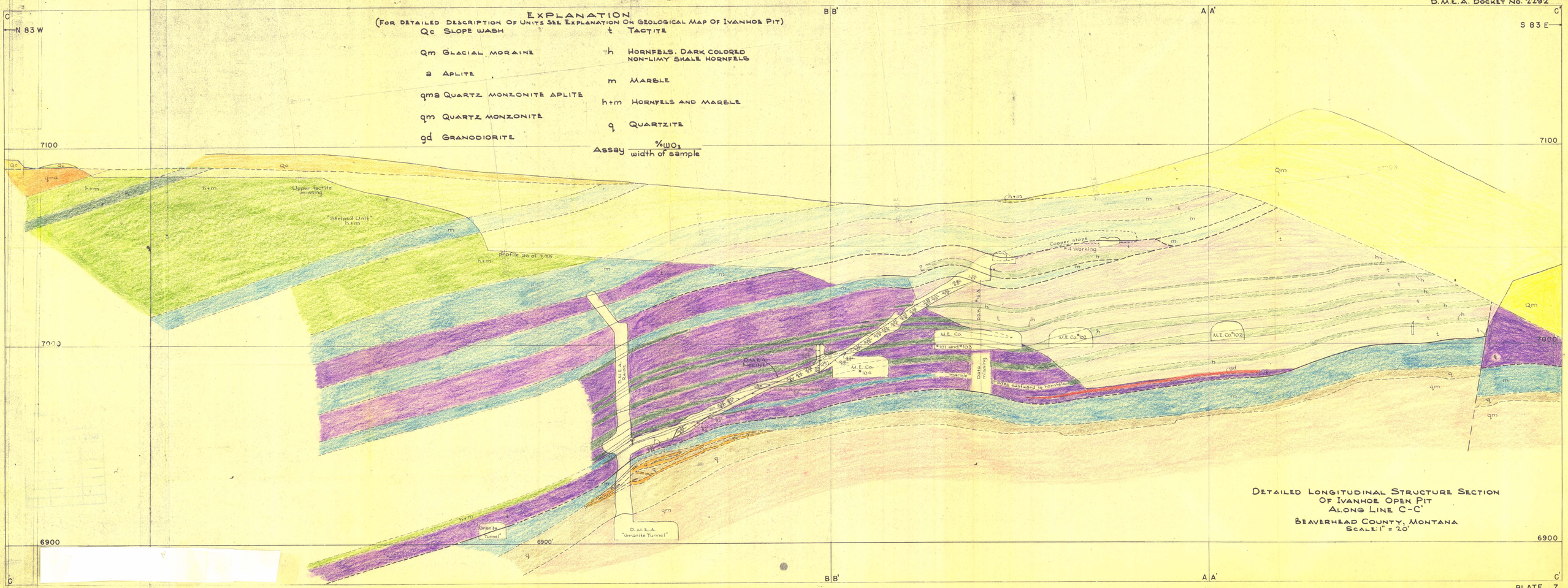
DETAIL STRUCTURE SECTION OF
IVANHOE OPEN PIT
ALONG LINE A-A'
BEAVERHEAD COUNTY, MONTANA
SCALE: 1" = 20'

EXPLANATION

(For detailed description of units see explanation on geological map of Ivanhoe Pit)

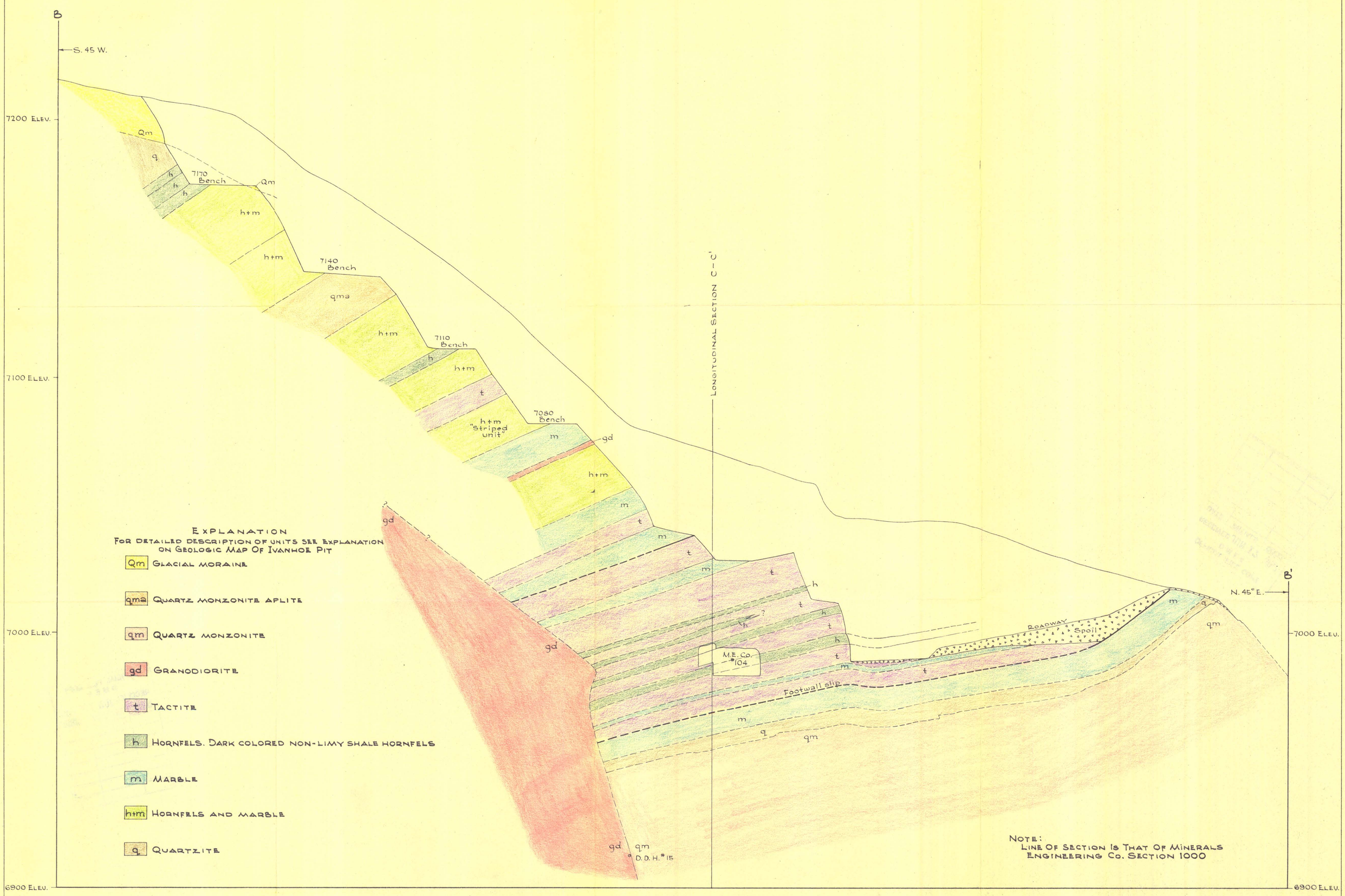
Qc	Slope wash	t	Tactite
Qm	Glacial moraine	h	Hornfels. Dark colored non-limy shale hornfels
a	Aplite	m	Marble
qma	Quartz monzonite aplite	h+m	Hornfels and marble
qm	Quartz monzonite	q	Quartzite
gd	Granodiorite		

Assay $\frac{\%WO_3}{\text{width of sample}}$

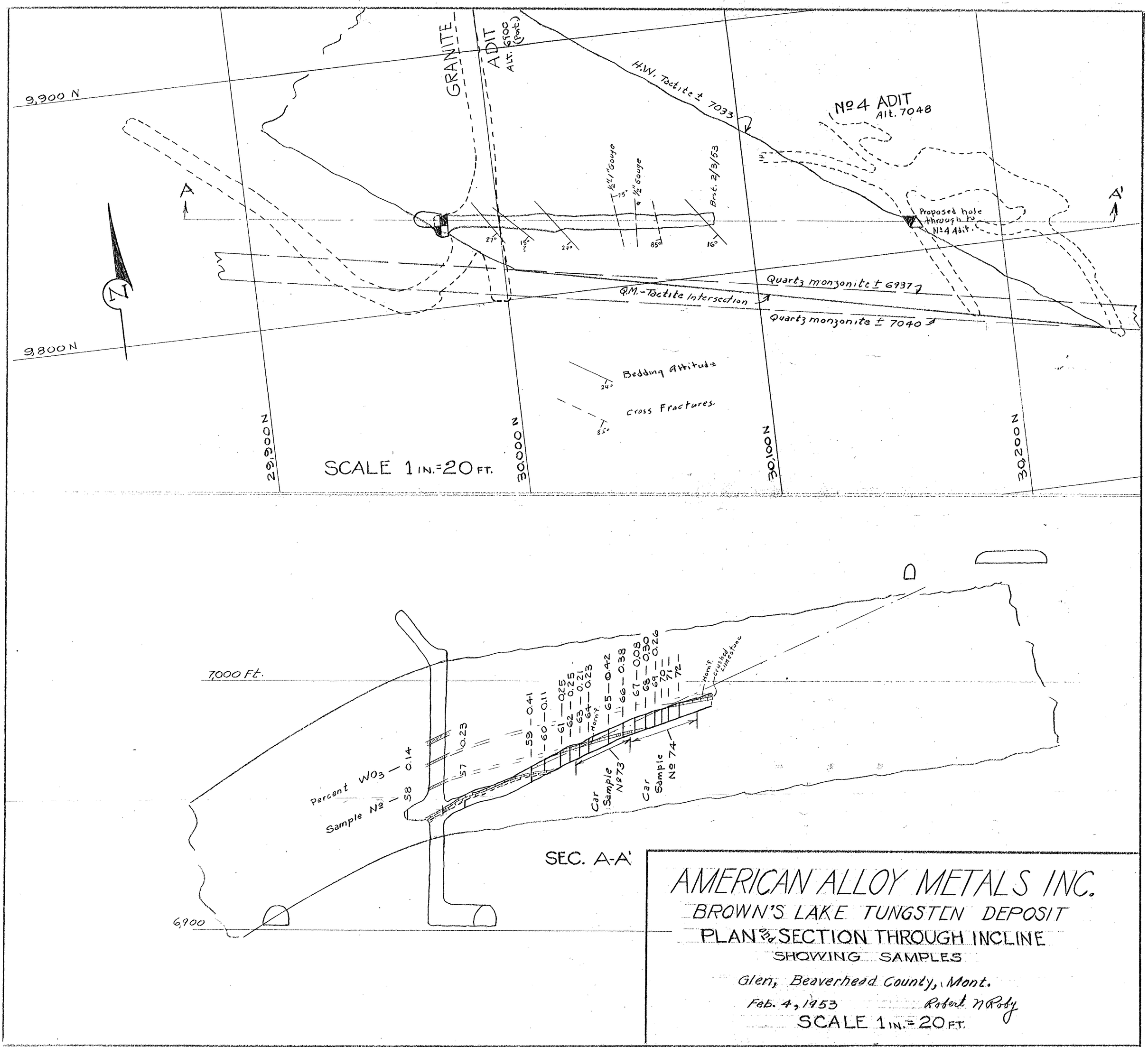


Detailed Longitudinal Structure Section
Of Ivanhoe Open Pit
Along Line C-C'

Beaverhead County, Montana
Scale: 1" = 20'



Detail Structure Section of
Ivanhoe Open Pit
Along Line B-B'
Beaverhead County, Montana
Scale: 1"=20'



AMERICAN ALLOY METALS INC.

BROWN'S LAKE TUNGSTEN DEPOSIT

PLAN & SECTION THROUGH INCLINE

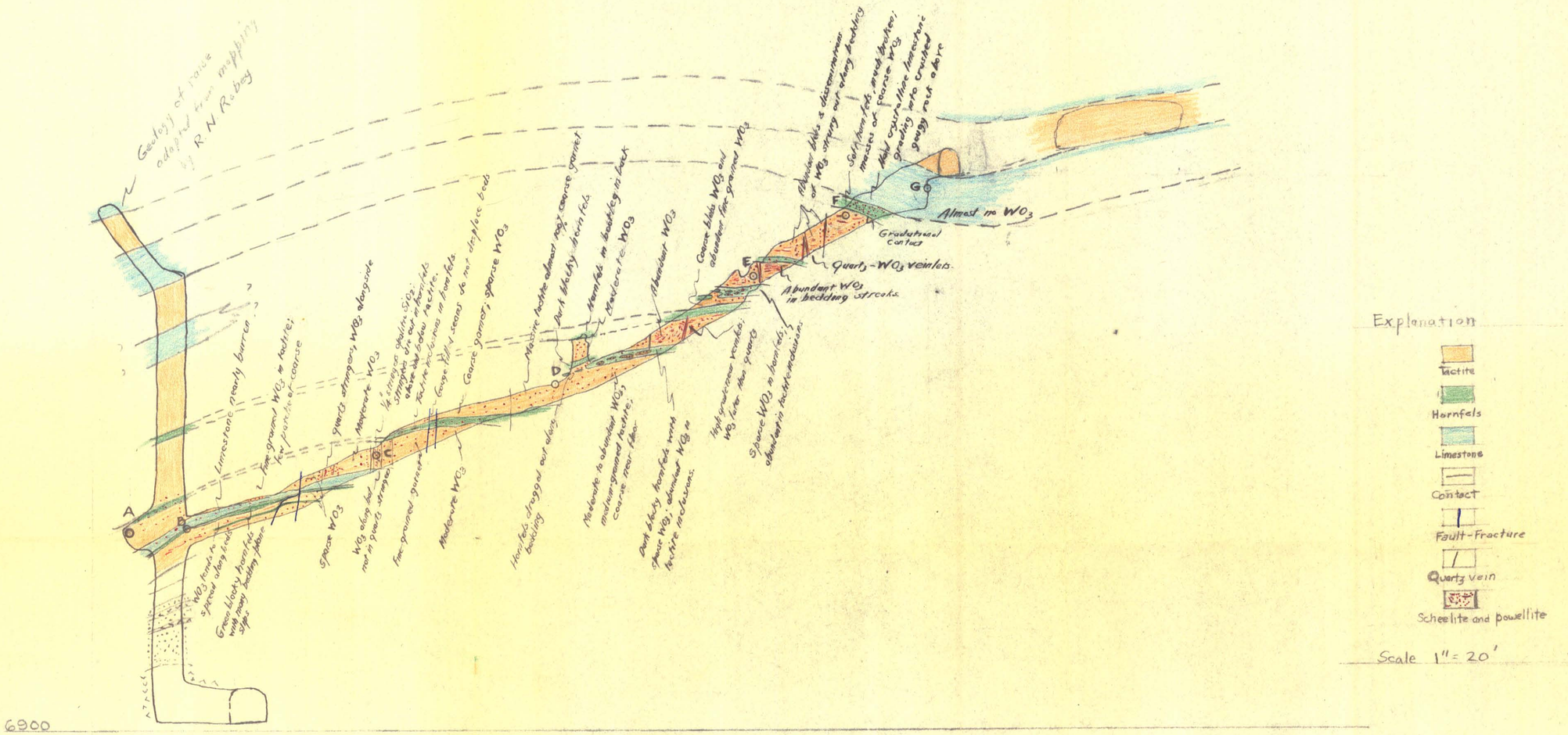
SHOWING SAMPLES

Glen, Beaverhead County, Mont.

Feb. 4, 1953 Robert N Roby

SCALE 1 IN.=20 FT.

DMEA Contract Idm E 247
Docket DMEA 2292 (Tungsten)

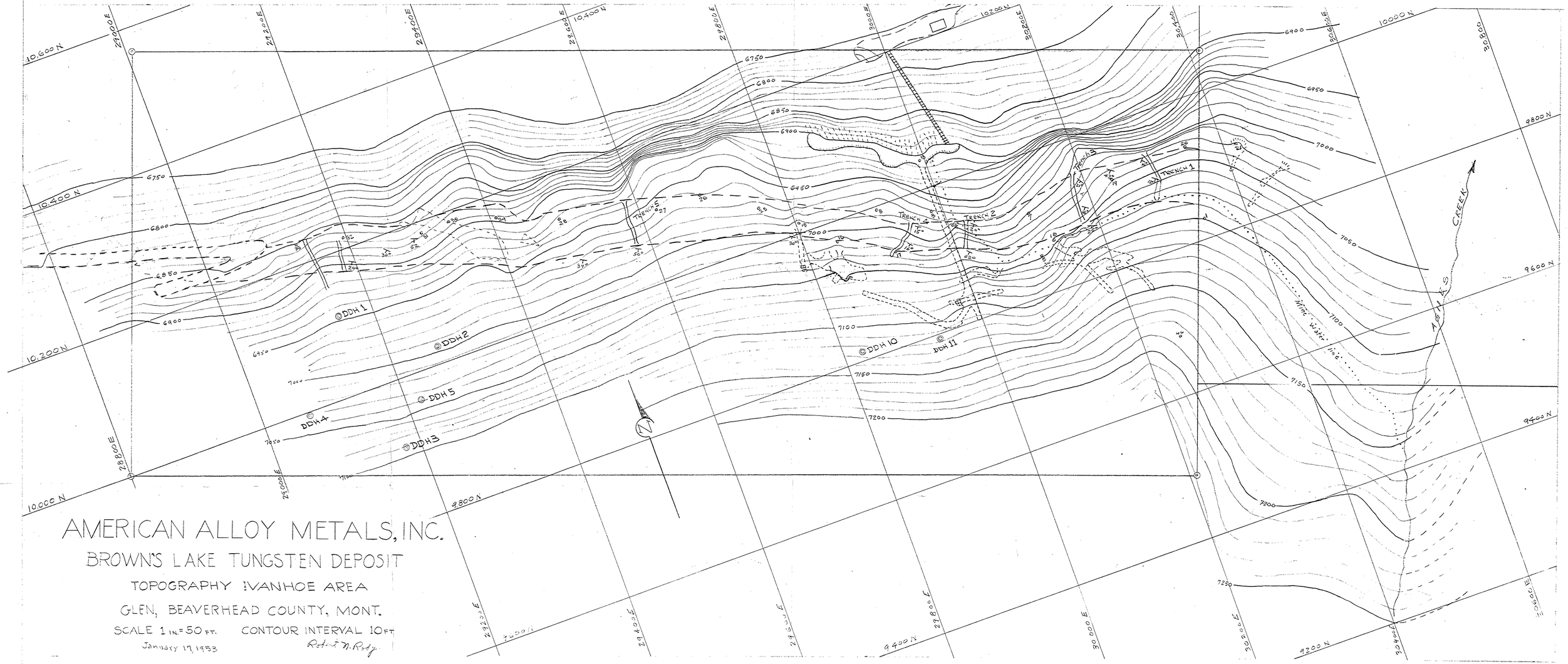


American Alloy Metals, Inc.

Brown's Lake Tungsten Deposit
Glen, Montana

Geologic Section through inclined raise

Idm E-247
DMEA 2292



AMERICAN ALLOY METALS, INC.

BROWN'S LAKE TUNGSTEN DEPOSIT

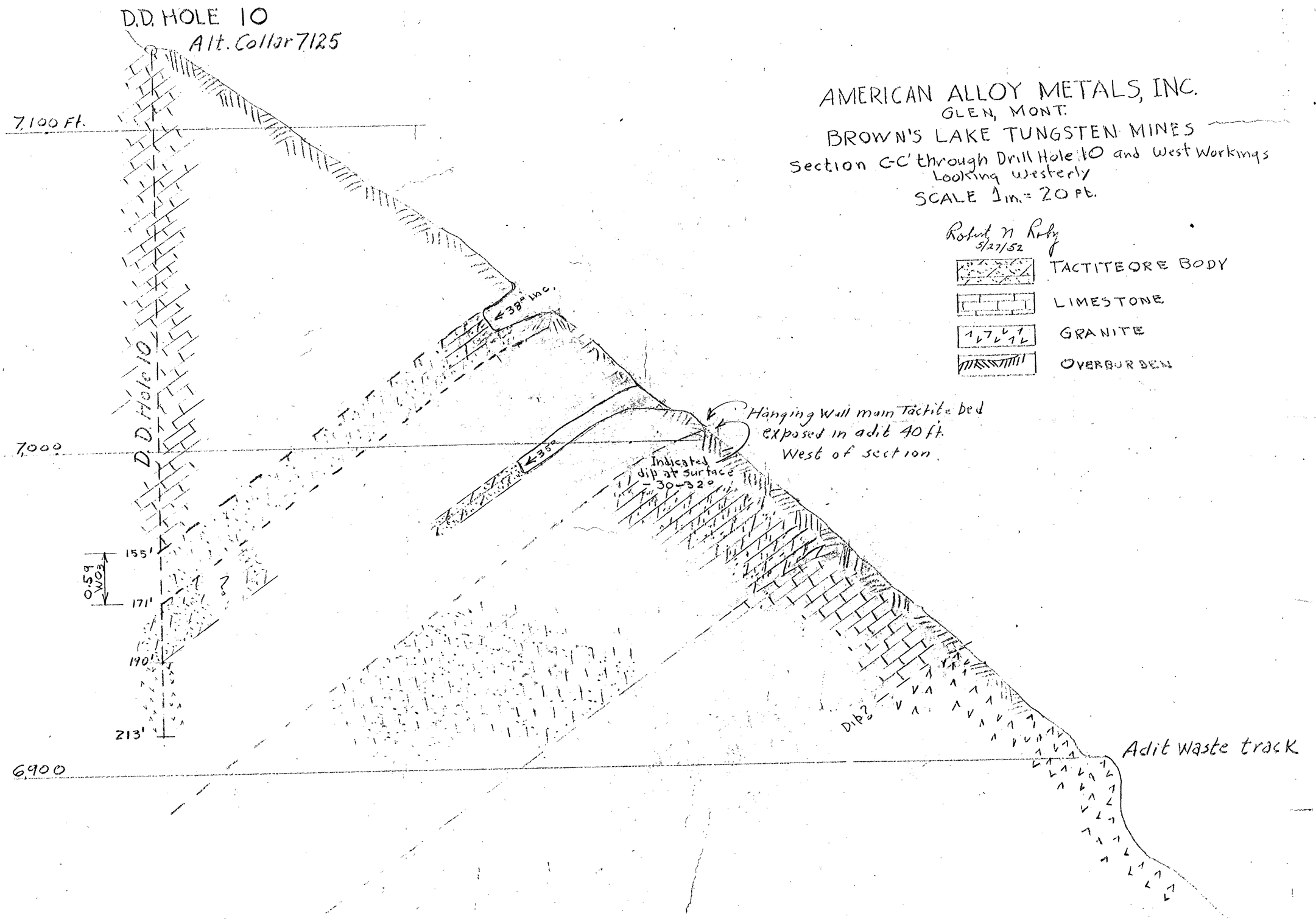
TOPOGRAPHY IVANHOE AREA

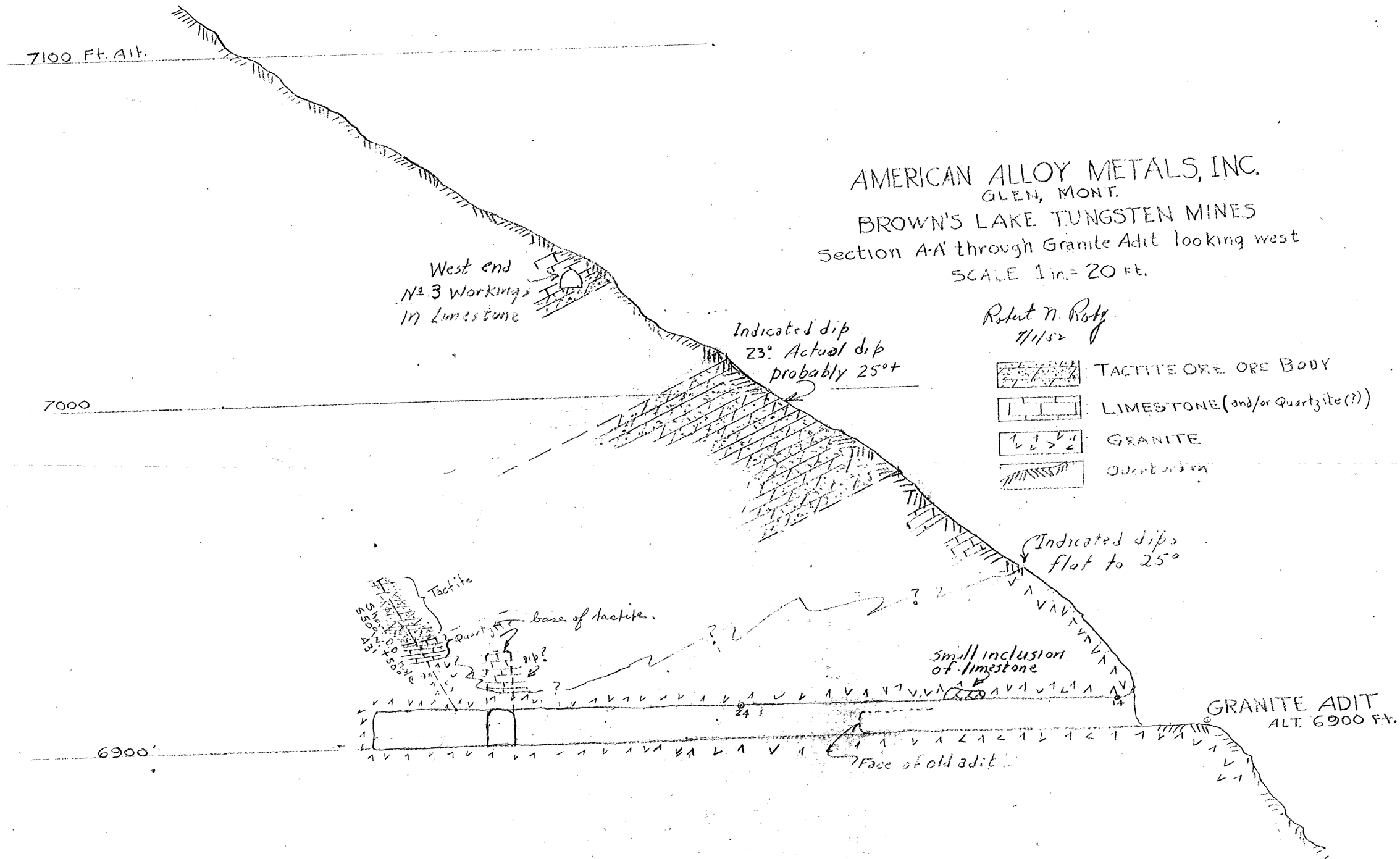
GLEN, BEAVERHEAD COUNTY, MONT.

SCALE 1 IN = 50 FT. CONTOUR INTERVAL 10 FT

January 17, 1953

Robert N. Roby

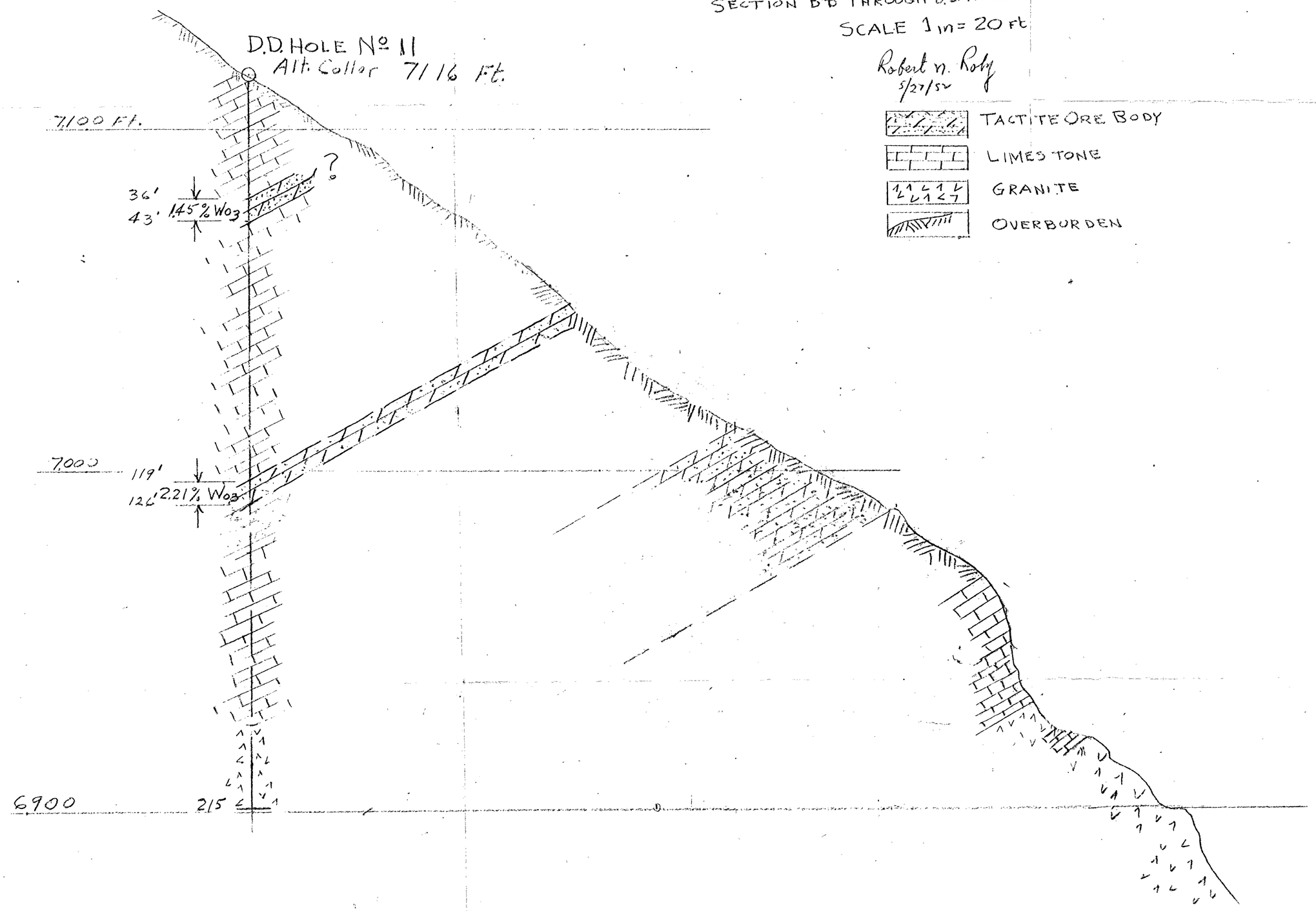

D.D. HOLE 10
Alt. Collar 7125
7100 Ft.
D.D. Hole 10
38° Inc.
35°
Hanging wall main Tactite bed exposed in adit 40 ft. West of section.
Indicated dip at surface - 30-32°
7000
155'
171'
190'
213'
0.59 WO3
?
Dip?
Adit Waste track
6900
AMERICAN ALLOY METALS, INC.
GLEN, MONT.
BROWN'S LAKE TUNGSTEN MINES
Section C-C' through Drill Hole 10 and West Workings
Looking Westerly
SCALE 1 in. = 20 ft.
Robert N Roby
5/27/52
TACTITE ORE BODY
LIMESTONE
GRANITE
OVERBURDEN


7100 Ft. Alt.
7000
6900'
West end
No. 3 Workings
in Limestone
Indicated dip
23°. Actual dip
probably 25°+
Indicated dips
flat to 25°
Tactite
base of tactite.
dip?
Small inclusion
of limestone
GRANITE ADIT
ALT. 6900 Ft.
Face of old adit.
AMERICAN ALLOY METALS, INC.
GLEN, MONT.
BROWN'S LAKE TUNGSTEN MINES
Section A-A' through Granite Adit looking west
SCALE 1 in. = 20 ft.
Robert N. Roby
7/1/52
TACTITE ORE ORE BODY
LIMESTONE (and/or Quartzite (?))
GRANITE
Quartzite

AMERICAN ALLOY METALS, INC.
GLEN, MONT.
BROWN'S LAKE TUNGSTEN MINES

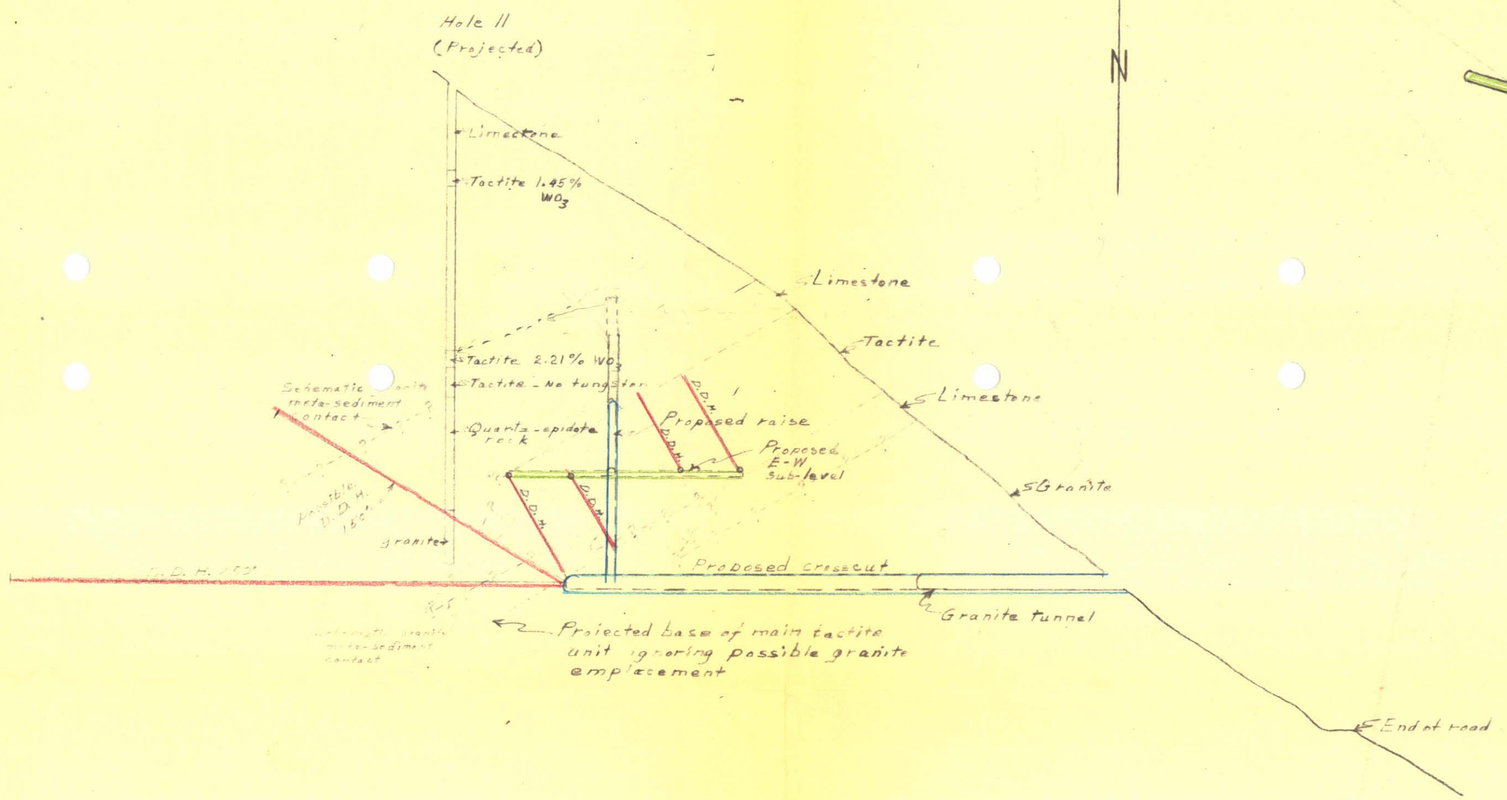
SECTION B-B' THROUGH D.D. HOLE 11 LOOKING WEST
SCALE 1 in = 20 ft

Robert M. Roby
5/27/52

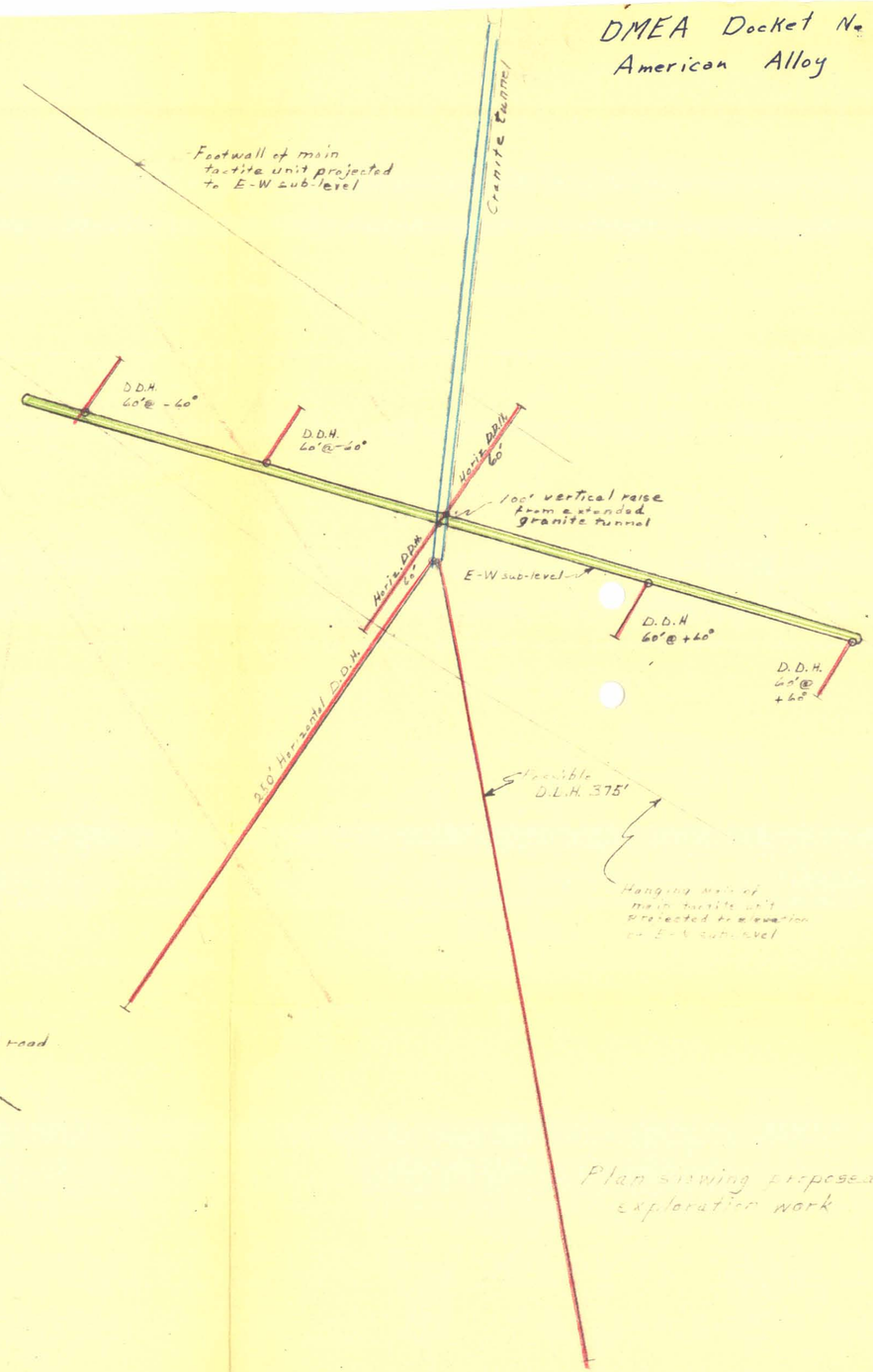


DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

DMEA Docket No. 2292
American Alloy



N-S Section at proposed Crosscut
Looking west



Plan showing proposed exploration work

Stage I
Stage II
Stage III

PLAN AND SECTION SHOWING PROPOSED EXPLORATION ON IVANHOE CLAIM, BROWN'S LAKE, BEAVERHEAD COUNTY, MONTANA

50 0 50 100 150 200 Feet

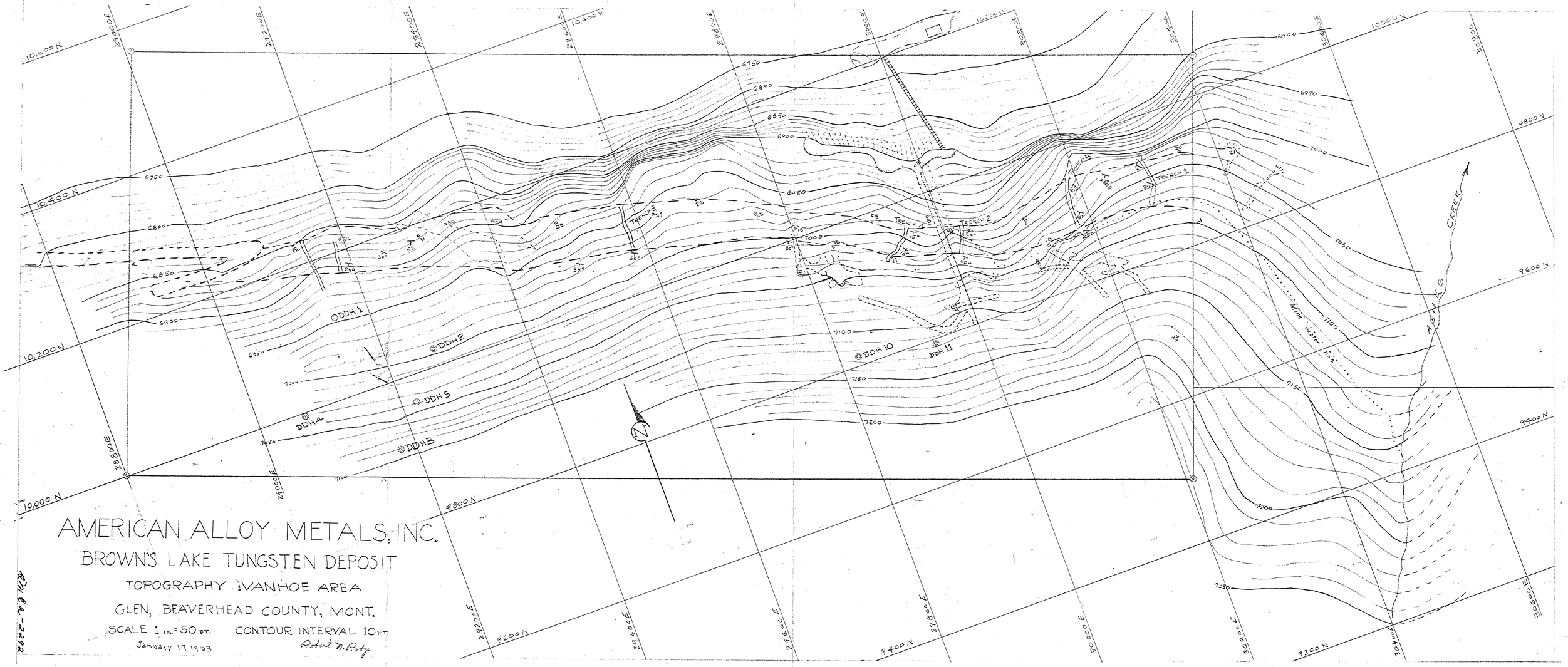
FIG. 9

Sec. 33	34	T.26N.	R.10W. P.M.
Sec. 4	3	T.25N.	R.10W. P.M.

SCALE 1" = 200'

IVANHOE CLAIM
BROWNS LAKE MONT. DIST.
AMERICAN ALLOY METALS INC.

FRANK EICHELBERGER & ASSOC.
SEPT. 12. 1951


AMERICAN ALLOY METALS, INC.
BROWN'S LAKE TUNGSTEN DEPOSIT
TOPOGRAPHY IVANHOE AREA
GLEN, BEAVERHEAD COUNTY, MONT.
SCALE 1 IN = 50 FT.
CONTOUR INTERVAL 10 FT.
January 17, 1953
Robert N. Roby
DDH 1
DDH 2
DDH 3
DDH 4
DDH 5
DDH 10
DDH 11
TRENCH 1
TRENCH 2
TRENCH 3
TRENCH 4
TRENCH 5
TRENCH 27
ADAMS CREEK
Mine Water Line
10,600 N
10,400 N
10,200 N
10,000 N
9800 N
9600 N
9400 N
9200 N
27,000 E
27,200 E
27,400 E
27,600 E
27,800 E
28,000 E
28,200 E
28,400 E
28,600 E
28,800 E
29,000 E
29,200 E
29,400 E
29,600 E
29,800 E
30,000 E
30,200 E
30,400 E
30,600 E
6750
6800
6850
6900
6950
7000
7050
7100
7150
7200
7250

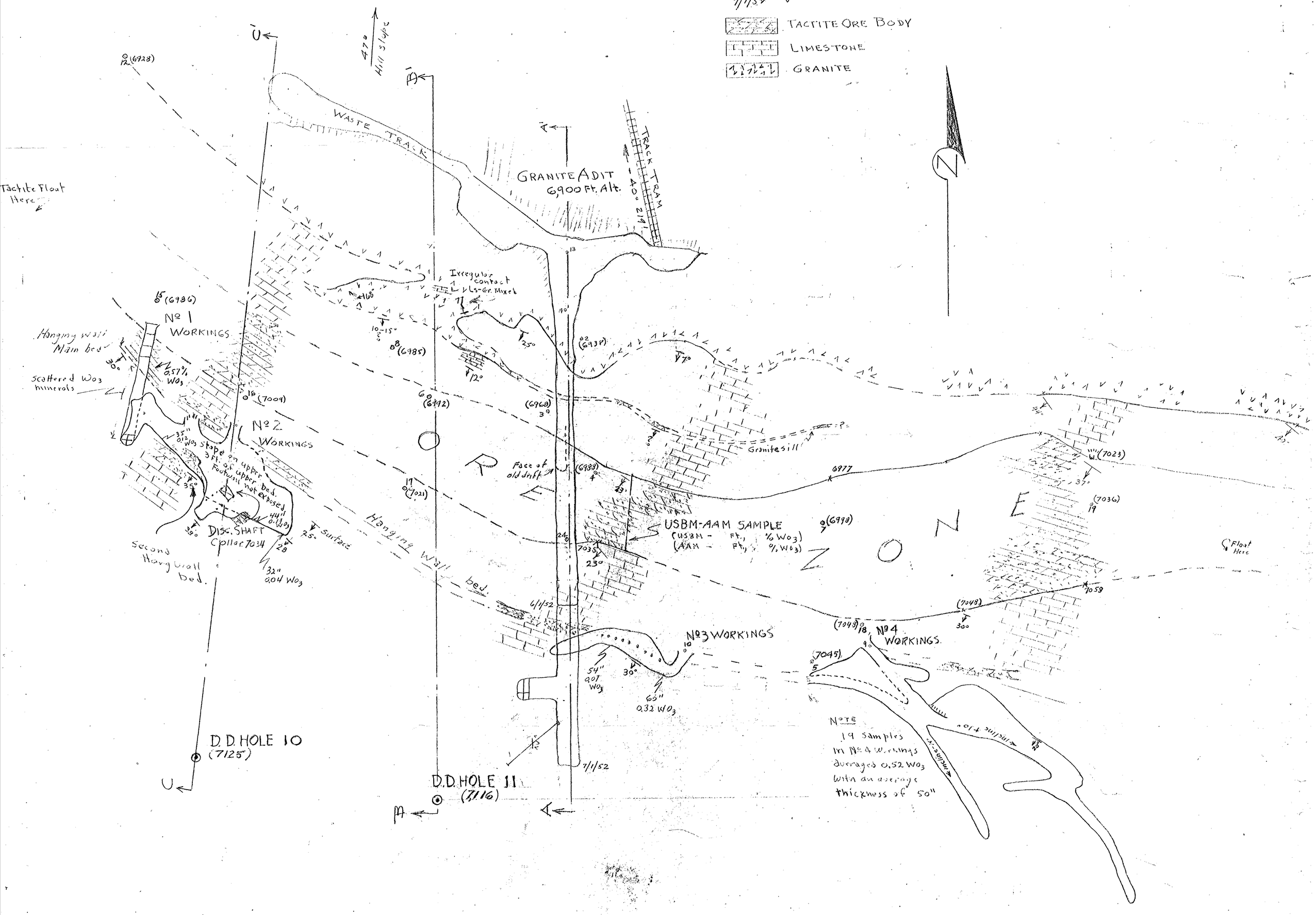
AMERICAN ALLOY METALS, INC.
GLEN, MONT.

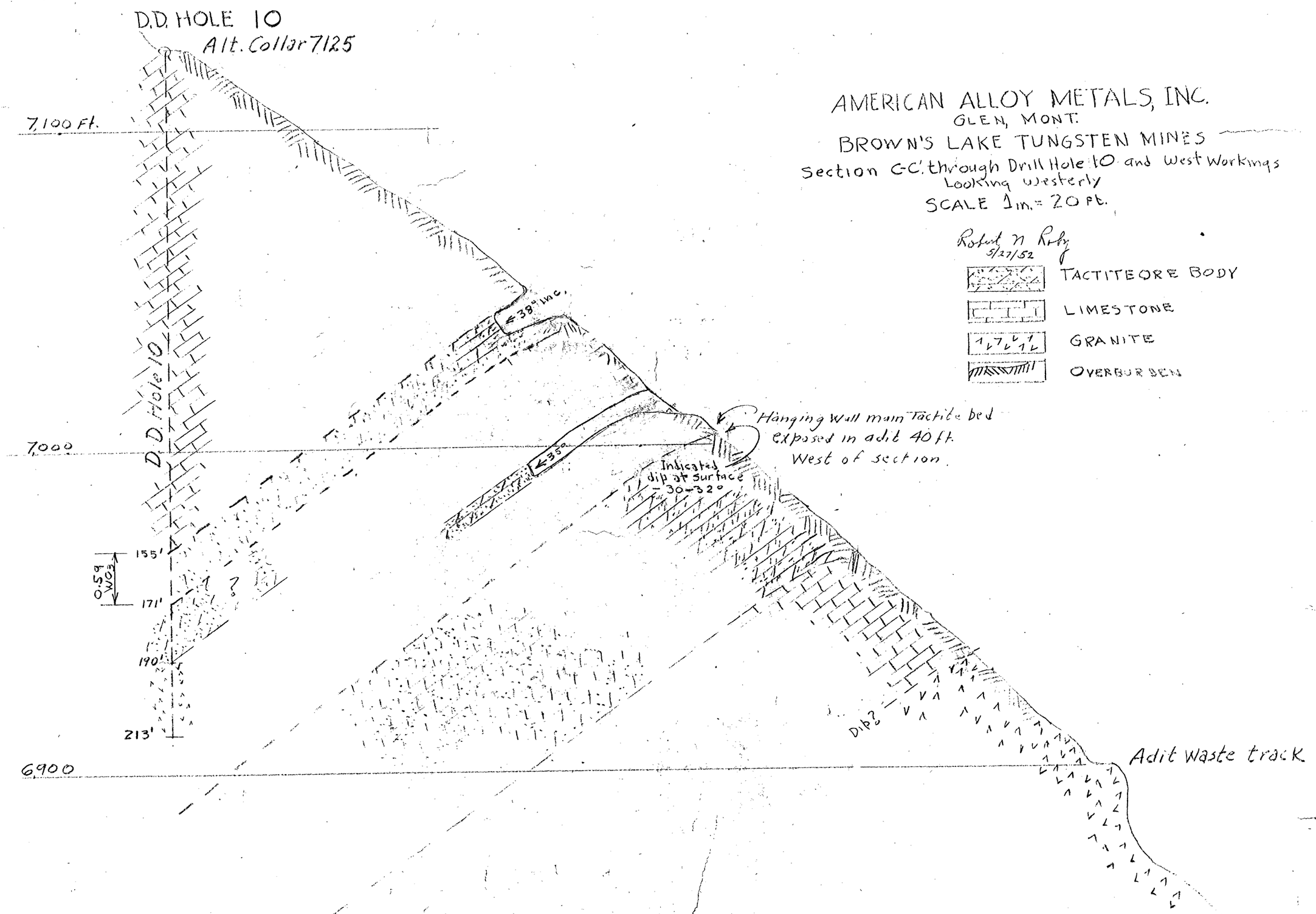
BROWN'S LAKE TUNGSTEN MINES
PLAN MAP

Surface and Workings, East end Ivanhoe Claim

SCALE 1 in = 20 ft.

Robert N Roby
7/1/52

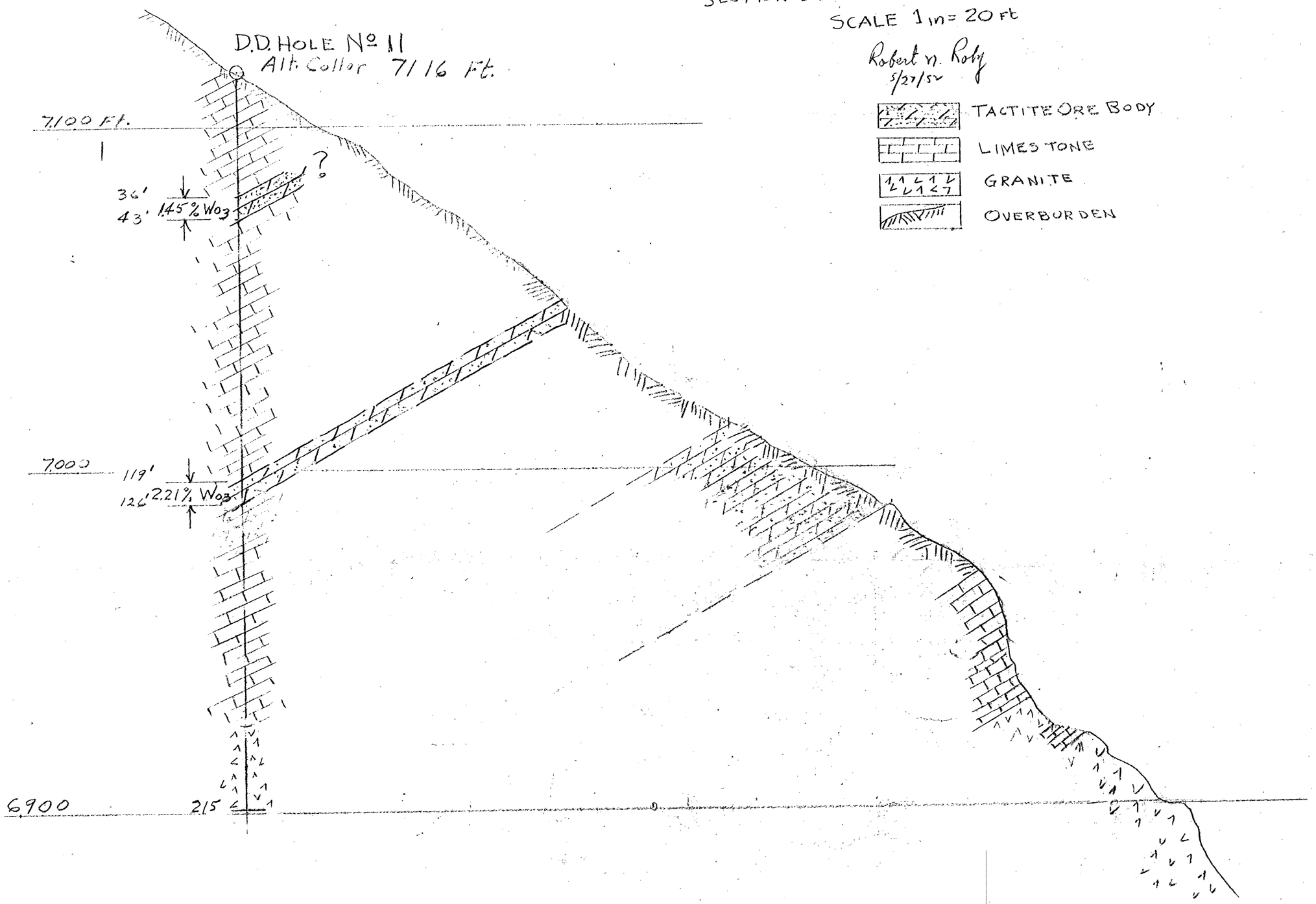


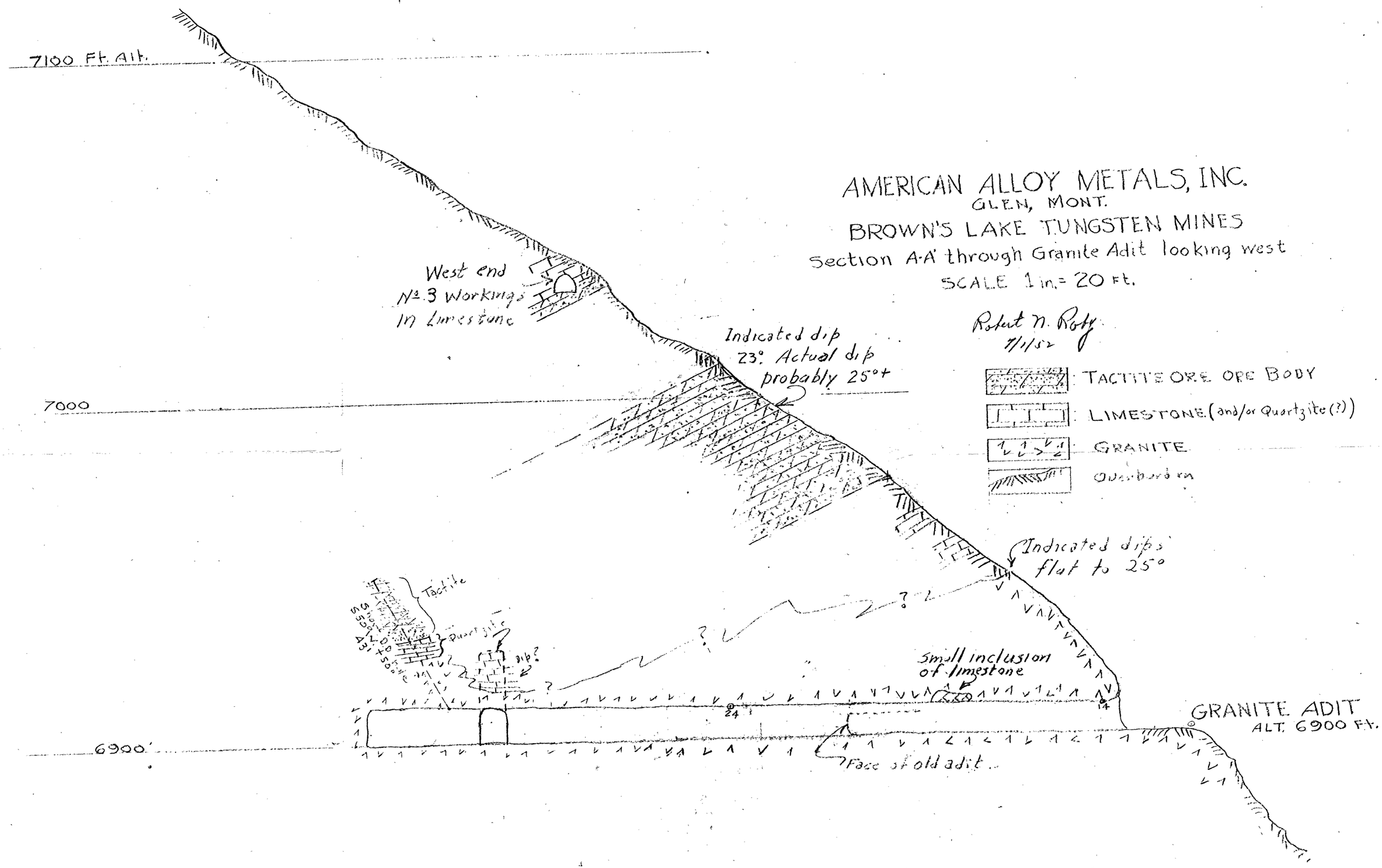

D.D. HOLE 10
Alt. Collar 7125
7100 Ft.
7000
6900
D.D. Hole 10
38° Inc.
35°
Hanging wall main Tactite bed exposed in adit 40 ft. West of section.
Indicated dip at surface - 30-32°
155'
171'
190'
213'
0.59 WO3
?
Dip?
Adit Waste track
AMERICAN ALLOY METALS, INC.
GLEN, MONT.
BROWN'S LAKE TUNGSTEN MINES
Section C-C' through Drill Hole 10 and West Workings
Looking westerly
SCALE 1 in. = 20 ft.
Robert N Ruby
5/27/52
TACTITE ORE BODY
LIMESTONE
GRANITE
OVERBURDEN

AMERICAN ALLOY METALS, INC.
GLEN, MONT.
BROWN'S LAKE TUNGSTEN MINES

SECTION B-B' THROUGH D.D. HOLE 11 LOOKING WEST
SCALE 1 in = 20 ft

Robert N. Roby
5/27/52





AMERICAN ALLOY METALS, INC.
GLEN, MONT.
BROWN'S LAKE TUNGSTEN MINES
Section A-A' through Granite Adit looking west
SCALE 1 in. = 20 Ft.

Robert N. Roby
7/1/52

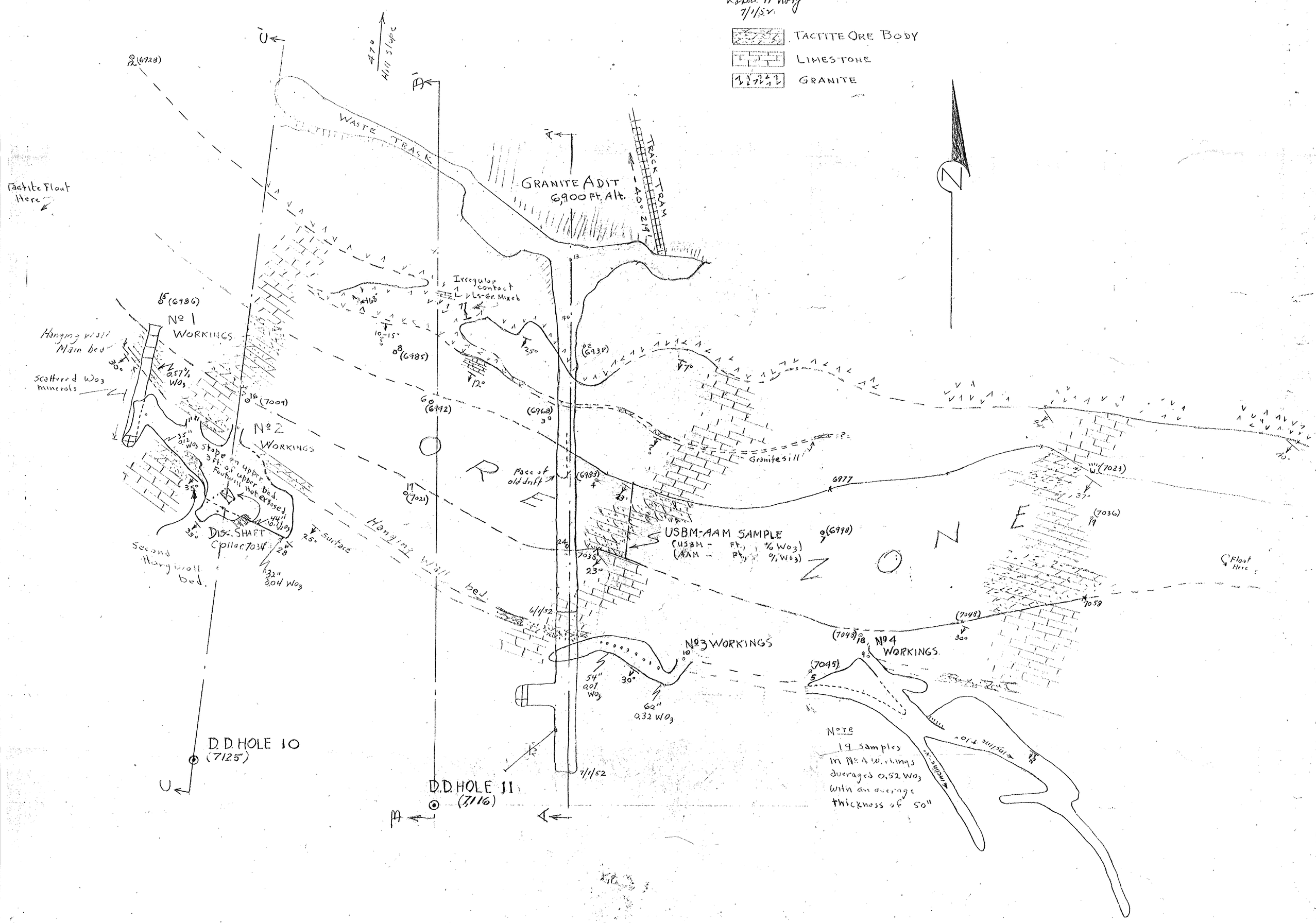
AMERICAN ALLOY METALS, INC.
GLEN, MONT.

BROWN'S LAKE TUNGSTEN MINES
PLAN MAP

Surface and Workings, East end Ivanhoe Claim

SCALE 1 in = 20 ft.

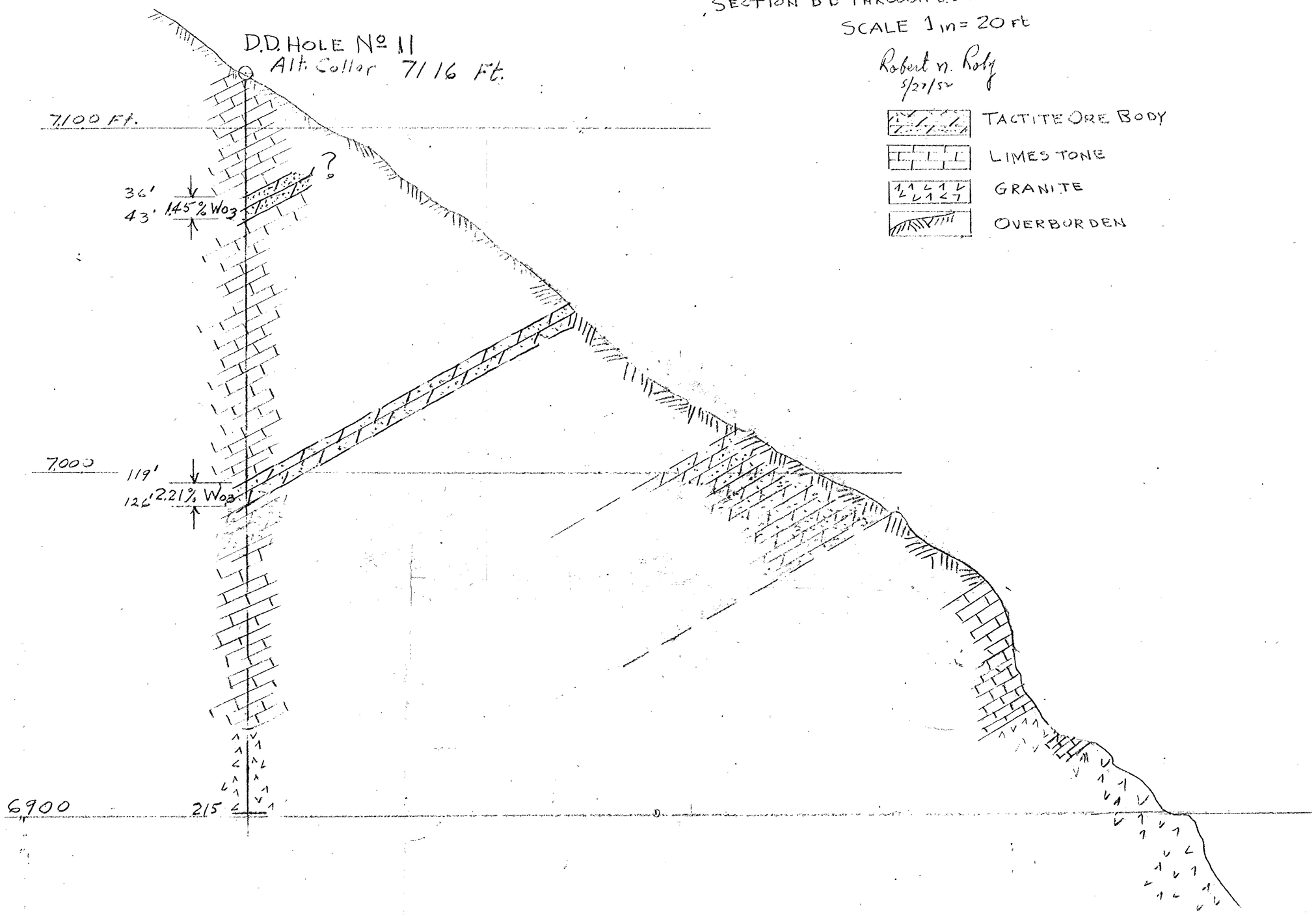
Robert N Roby
7/1/52

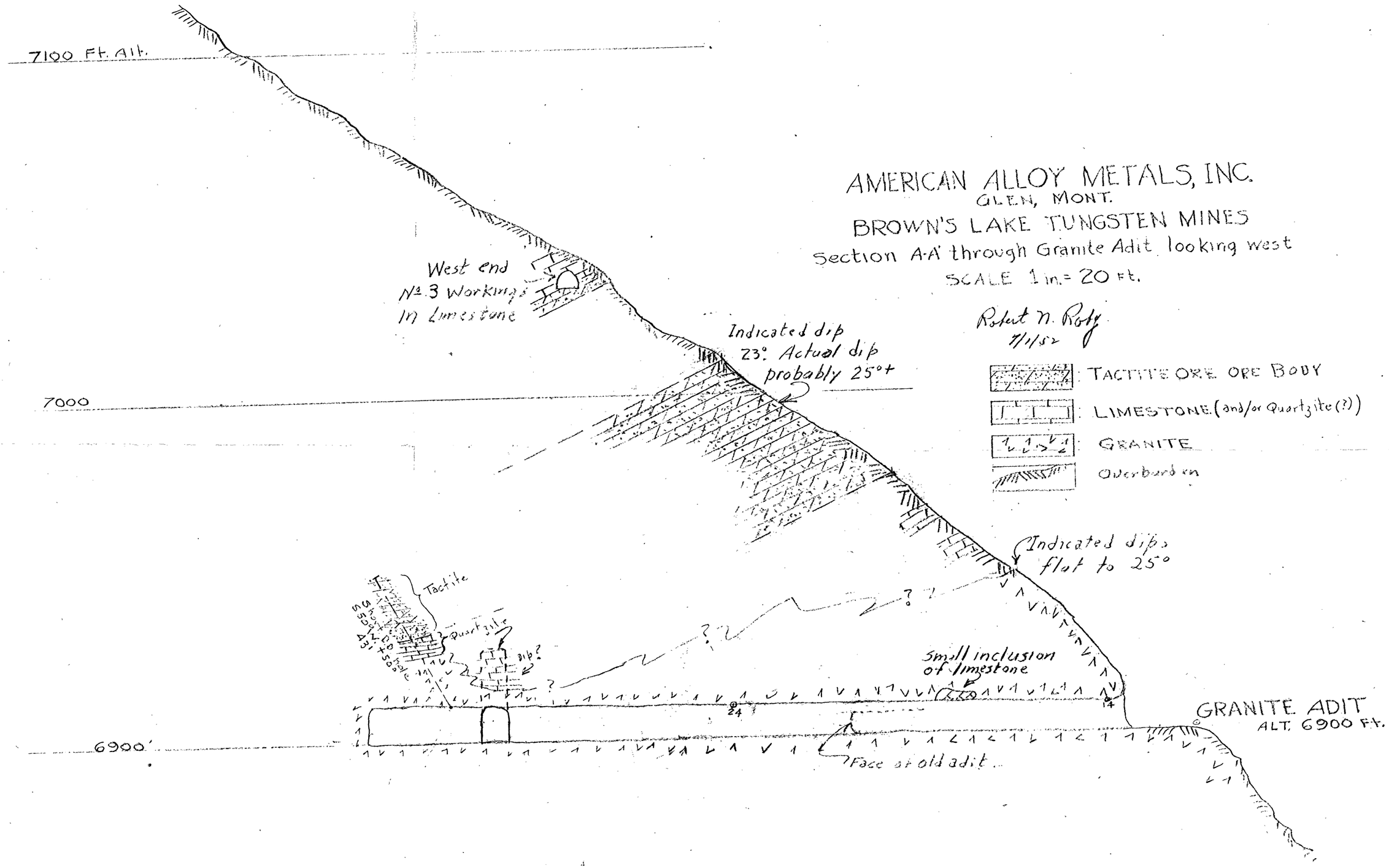


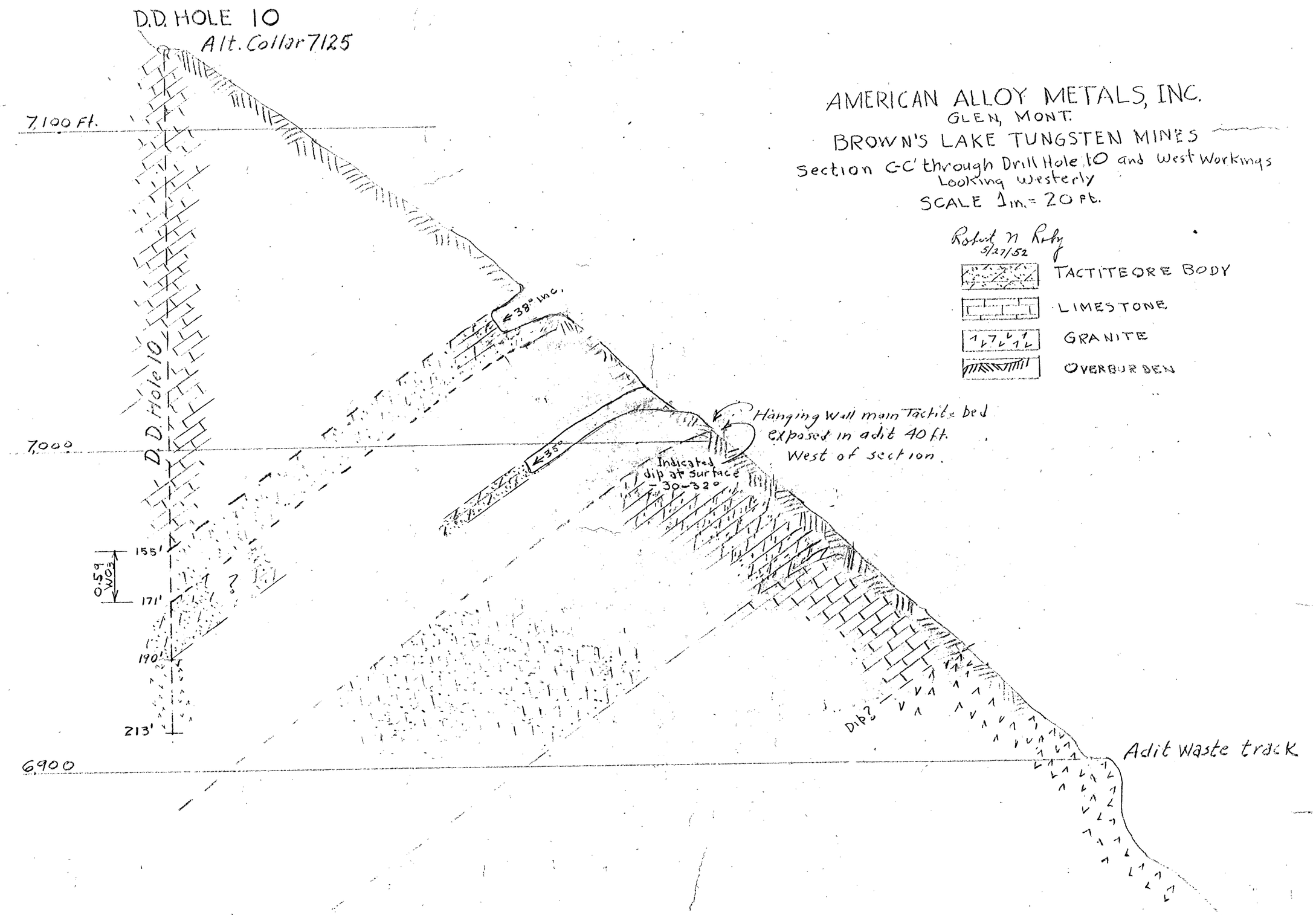
AMERICAN ALLOY METALS, INC.
GLEN, MONT.
BROWN'S LAKE TUNGSTEN MINES

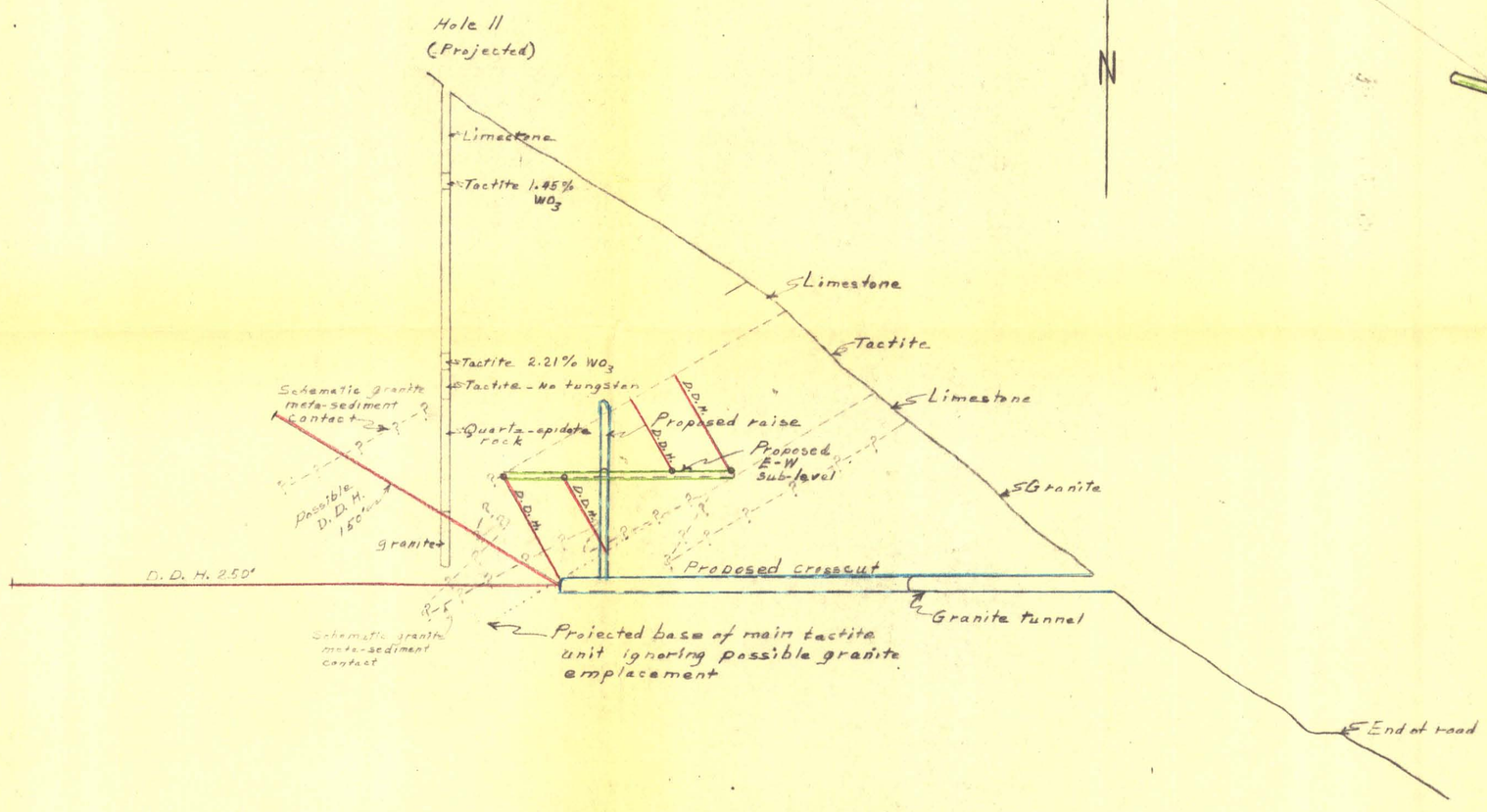
SECTION 'B-B' THROUGH D.D. HOLE 11 LOOKING WEST
SCALE 1 in = 20 ft

Robert N. Roby
5/27/52

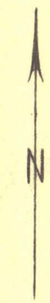



AMERICAN ALLOY METALS, INC.
GLEN, MONT.
BROWN'S LAKE TUNGSTEN MINES
Section A-A' through Granite Adit looking west
SCALE 1 in. = 20 ft.
Robert N. Roby
7/1/52
TACTITE ORE ORE BODY
LIMESTONE (and/or Quartzite (?))
GRANITE
Overburden
7100 Ft. Alt.
7000
6900'
West end
No. 3 Workings
in Limestone
Indicated dip
23°. Actual dip
probably 25°+
Indicated dips
flat to 25°
Tactite
Quartzite
Dip?
Small inclusion
of limestone
Face of old adit
GRANITE ADIT
ALT. 6900 Ft.

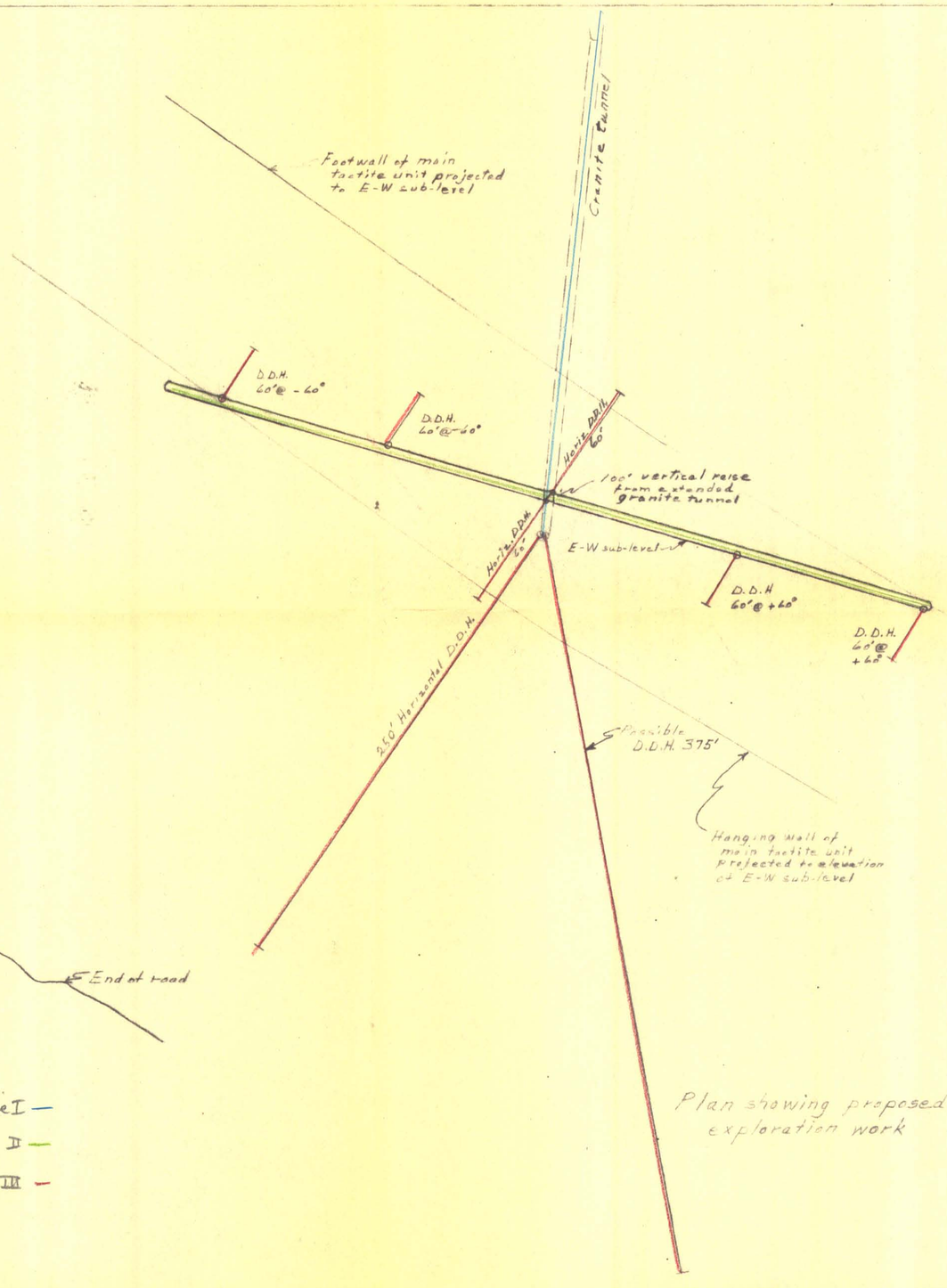

D.D. HOLE 10
Alt. Collar 7125
7,100 Ft.
D. D. Hole 10
38° Inc.
Hanging wall main Tactite bed exposed in adit 40 ft. West of section.
7000
35°
Indicated dip at surface 30-32°
155'
0.59 WO3
171'
190'
213'
Dip?
Adit Waste track
6900
AMERICAN ALLOY METALS, INC.
GLEN, MONT.
BROWN'S LAKE TUNGSTEN MINES
Section C-C' through Drill Hole 10 and West Workings
Looking westerly
SCALE 1 in. = 20 ft.
Robert N Ruby
5/27/52
TACTITE ORE BODY
LIMESTONE
GRANITE
OVERBURDEN



N-S Section at proposed Crosscut
Looking west



Stage I —
Stage II —
Stage III —



Plan showing proposed exploration work

PLAN AND SECTION SHOWING PROPOSED EXPLORATION ON IVANHOE CLAIM, BROWN'S LAKE, BEAVERHEAD COUNTY, MONTANA

50 0 50 100 150 200 Feet

OMCA-2292
am. alloy

FIG. 9

Sec. 33	34	T. 26 N. R. 10 W. P.M.
Sec. 4	3	T. 25 N. R. 10 W. P.M.

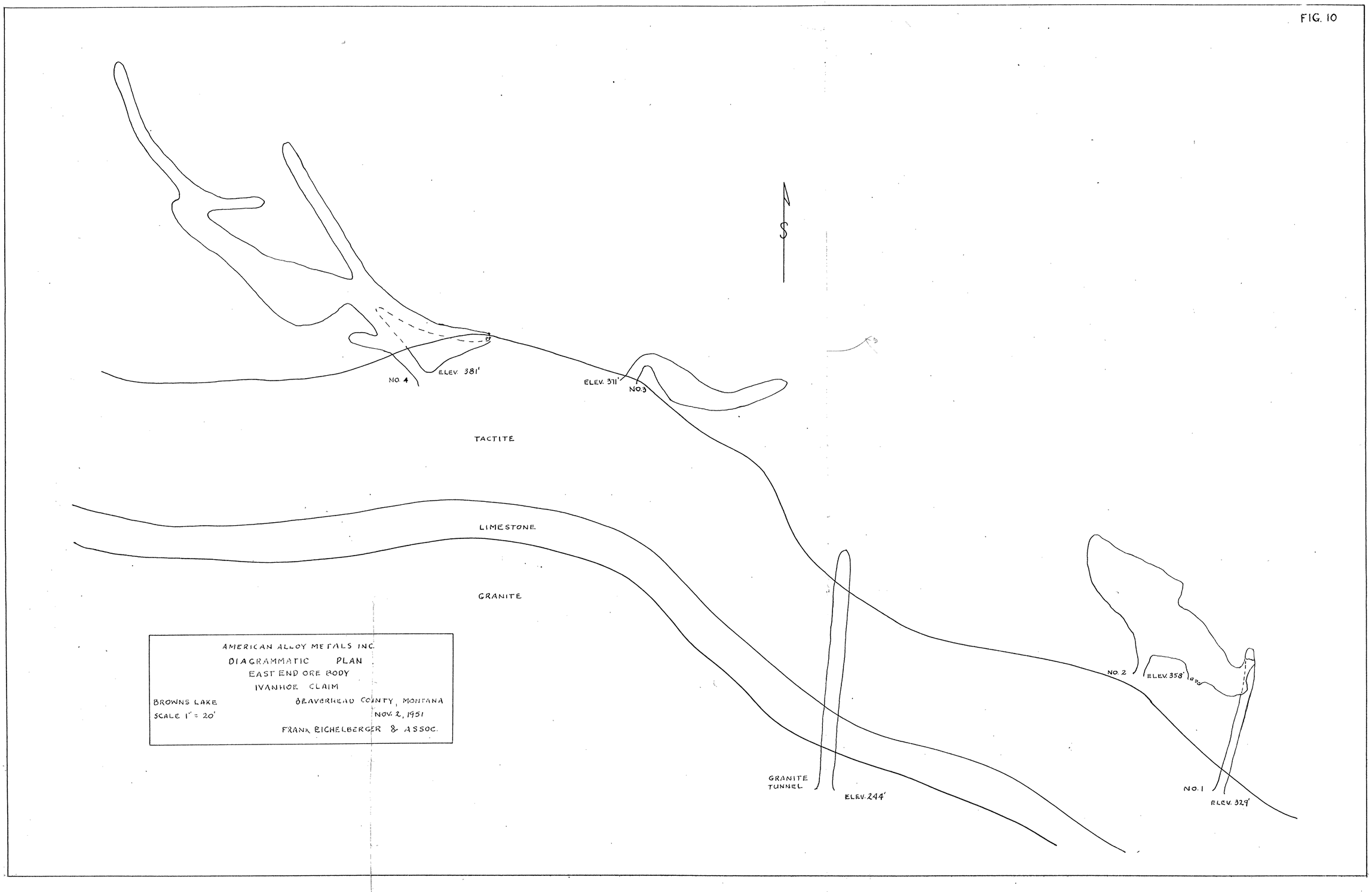
SCALE 1" = 200'

IVANHOE CLAIM
BROWNS LAKE MONT. DIST.
AMERICAN ALLOY METALS INC.

FRANK EICHELBERGER & ASSOC.
SEPT. 12. 1951

DMEA-2292
Am. Alloy Mt.

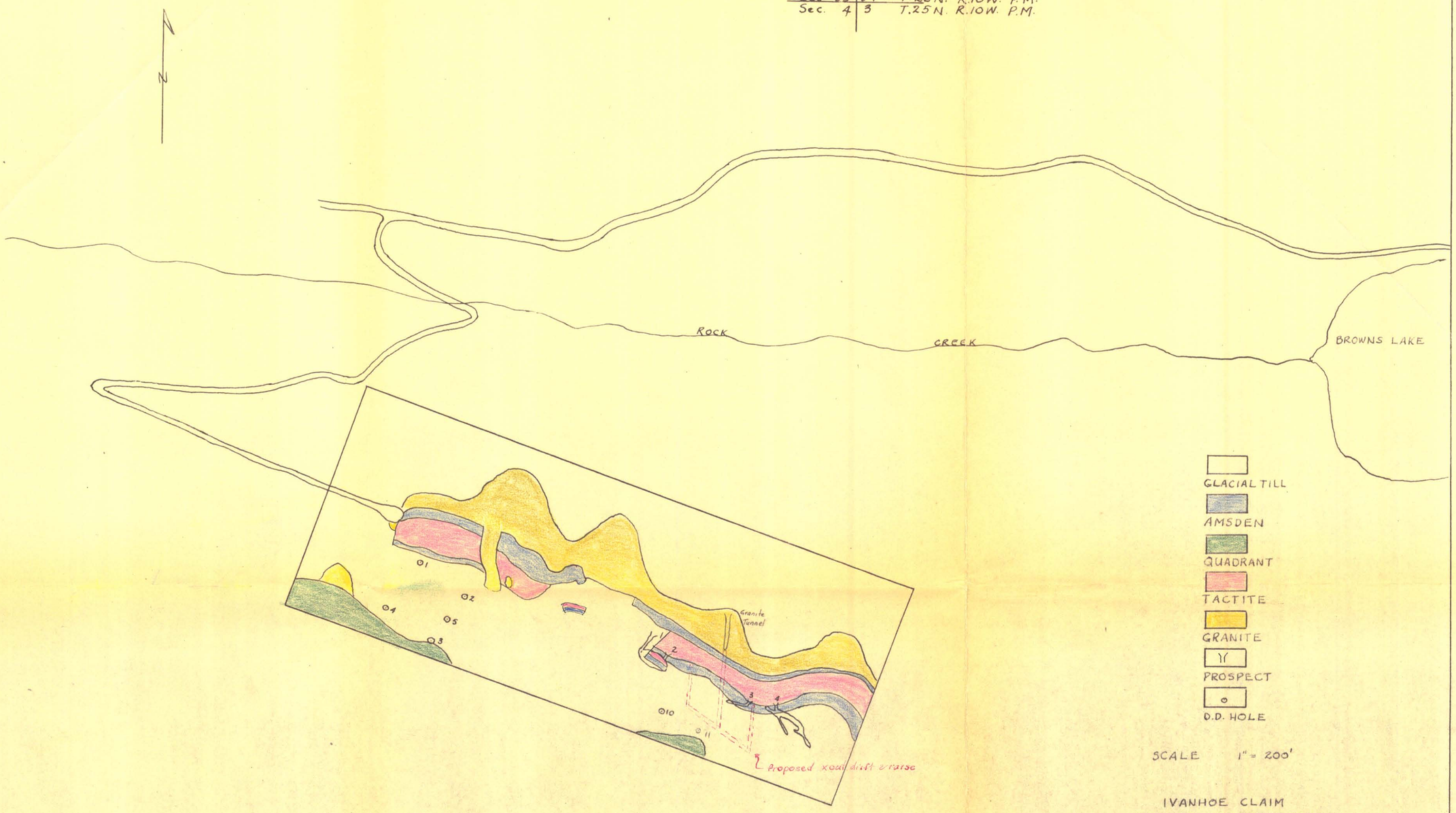
FIG. 10



DMEA-2242
AM. ALLOY

FIG. 9

Sec. 33	34	T.26N.	R.10W. P.M.
Sec. 4	3	T.25N.	R.10W. P.M.



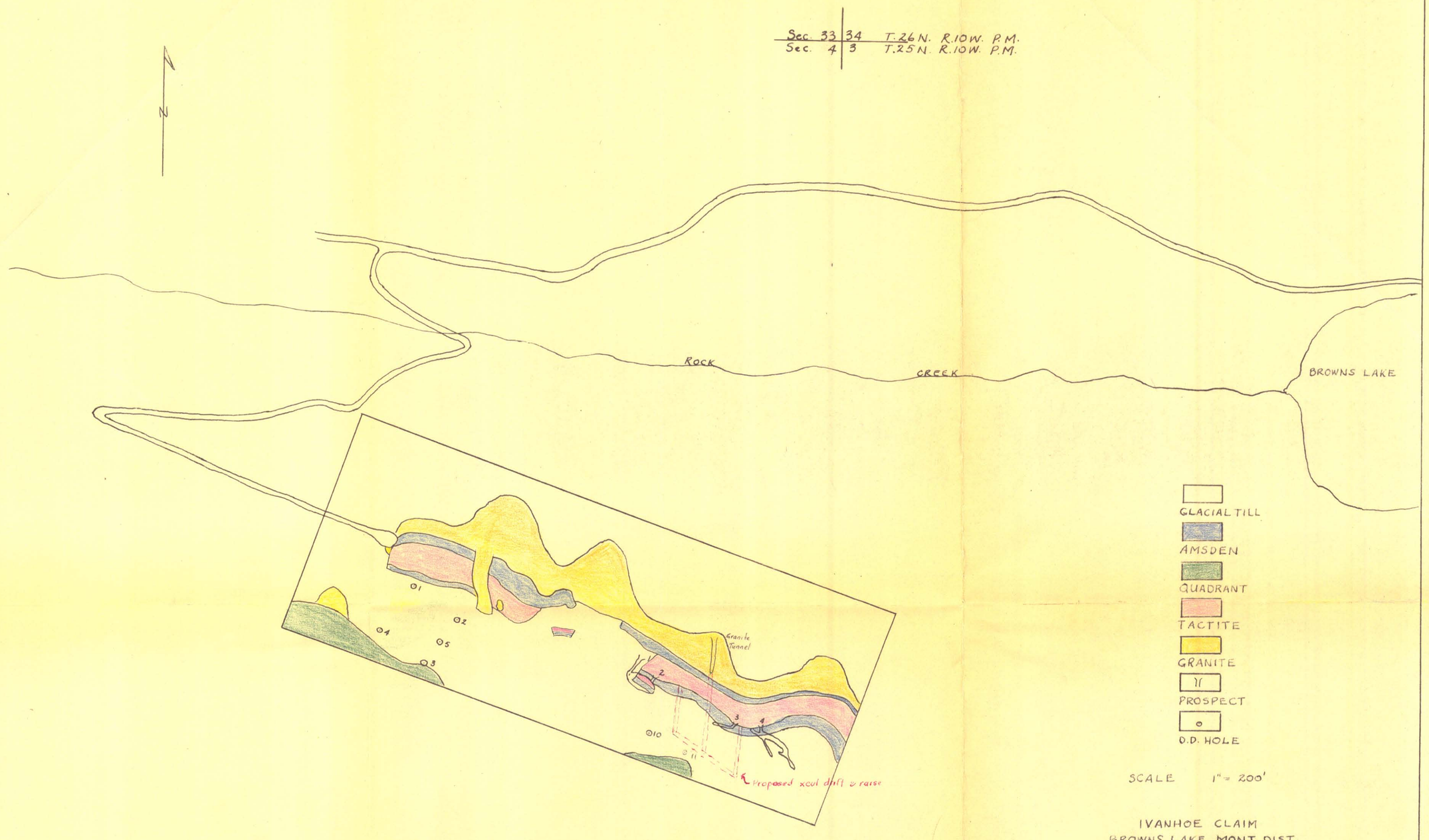
SCALE 1" = 200'

IVANHOE CLAIM
BROWNS LAKE MONT. DIST.
AMERICAN ALLOY METALS INC.

FRANK EICHELBERGER & ASSOC.
SEPT. 12. 1951

DMEA-2292
Am. Alloys

FIG. 9

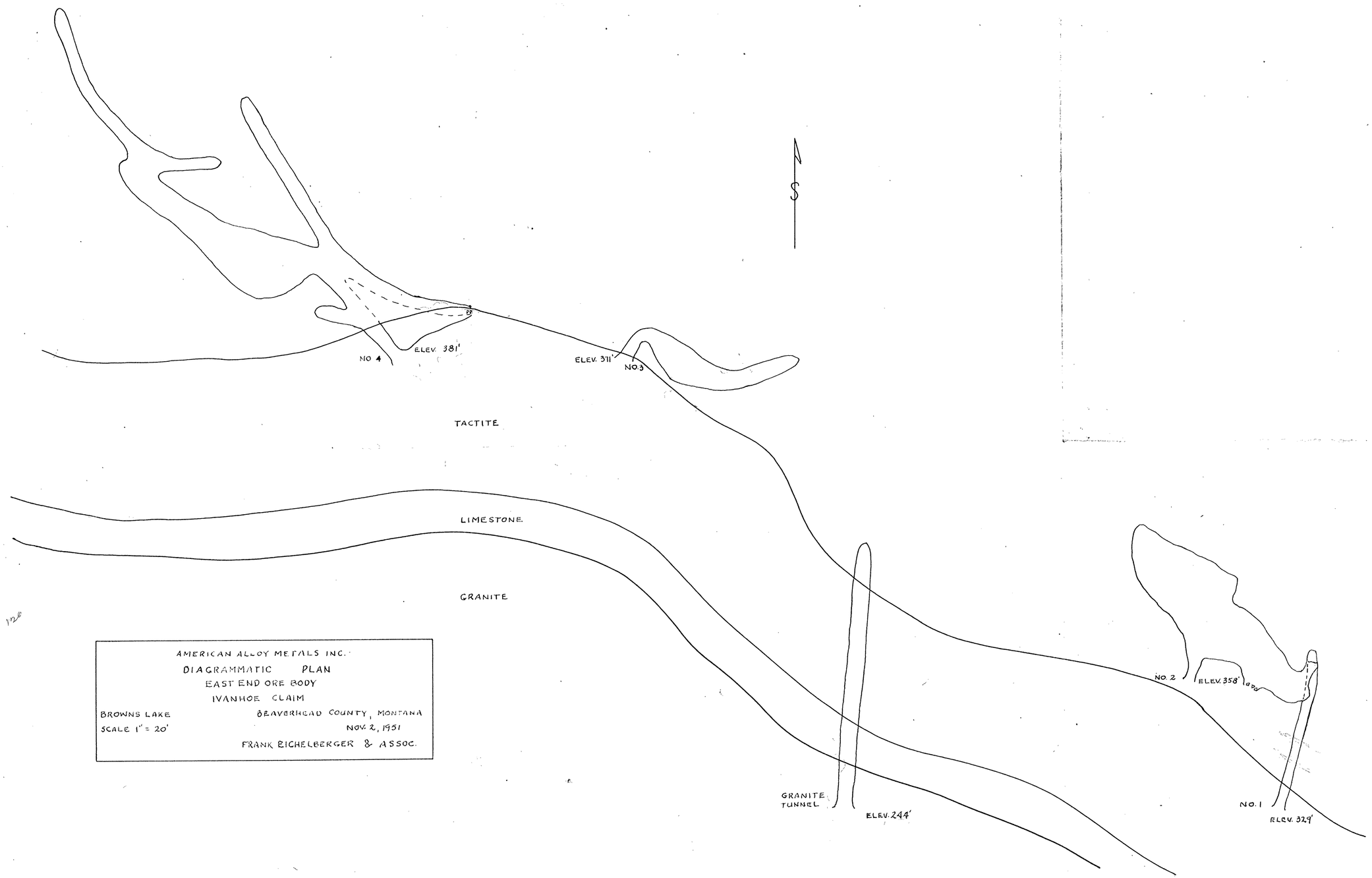


SCALE 1" = 200'

IVANHOE CLAIM
BROWNS LAKE MONT. DIST.
AMERICAN ALLOY METALS INC.

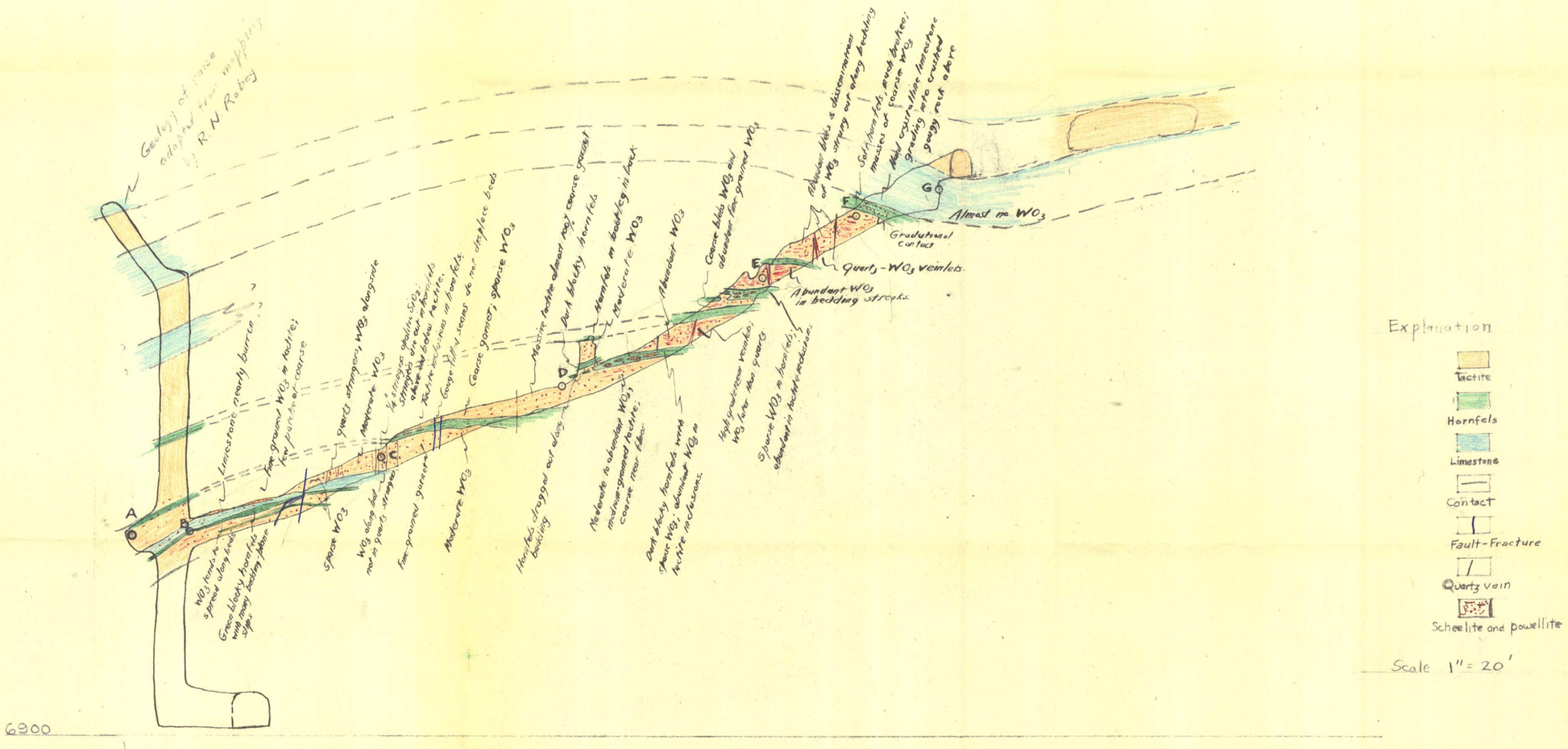
FRANK EICHELBERGER & ASSOC.
SEPT. 12. 1951

FIG. 10



AMERICAN ALLOY METALS INC.
DIAGRAMMATIC PLAN
EAST END ORE BODY
IVANHOE CLAIM
BROWNS LAKE
BEAVERHEAD COUNTY, MONTANA
SCALE 1" = 20'
NOV. 2, 1951
FRANK EICHELBERGER & ASSOC.

DMEA Contract Idm E 247
Docket DMEA 2292 (Tungsten)



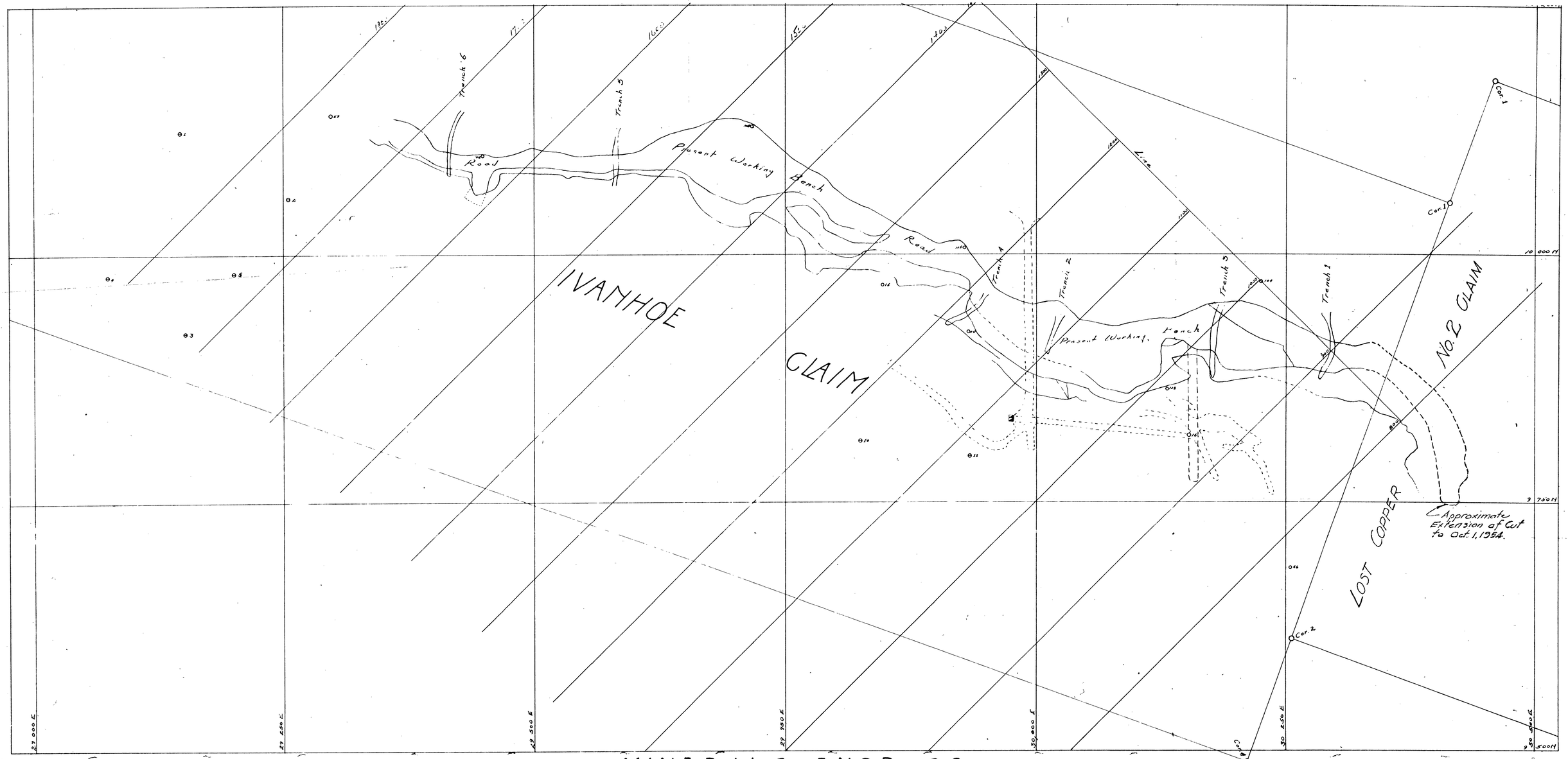
American Alloy Metals, Inc.

Brown's Lake Tungsten Deposit
Glen, Montana

Geologic Section through inclined raise

Geology by A. E. Weissenborn March 1953

Idm E-247
DMEA 2292

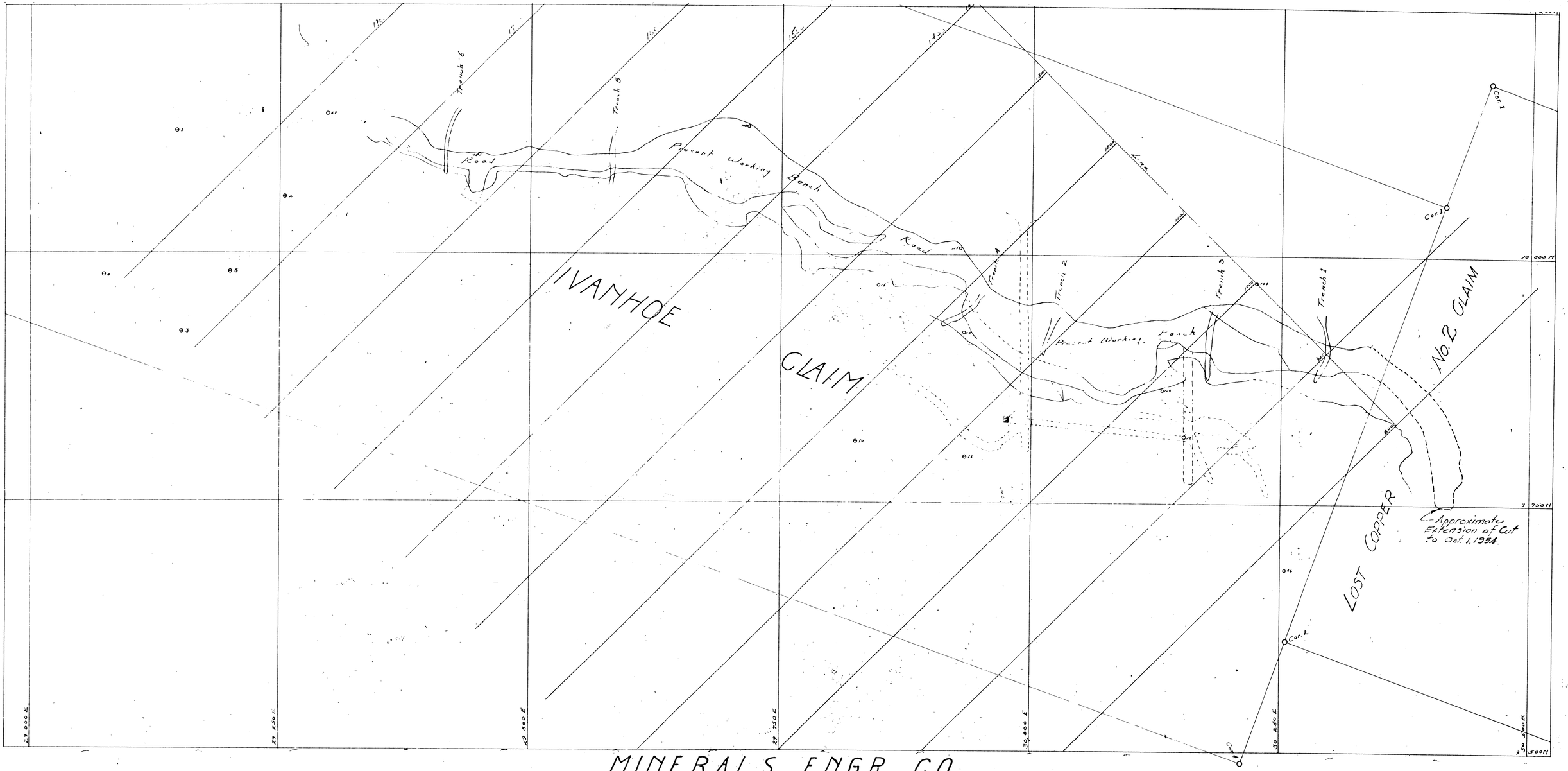


MINERALS ENGR. CO.

IVANHOE MINE

1 inch = 50 FEET

ORE RESERVES
as of June 1, 1954



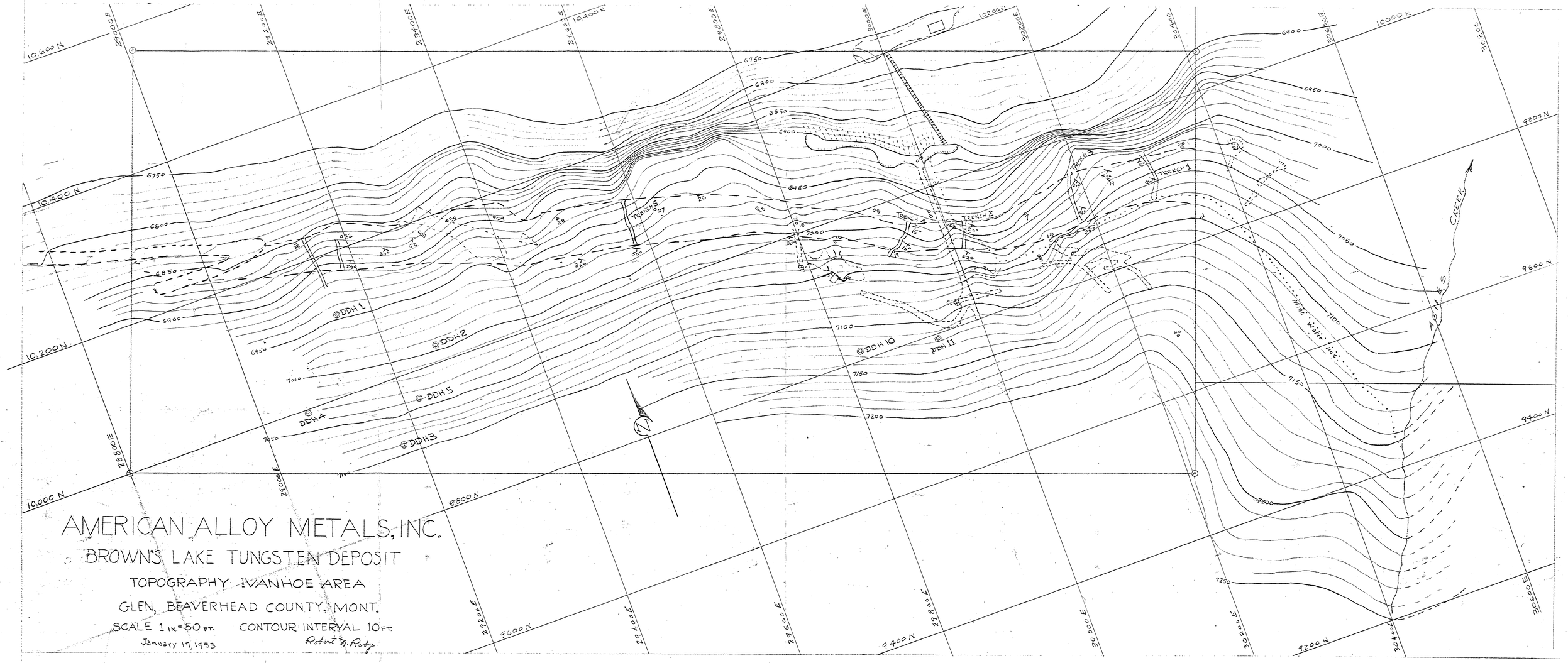
MINERALS ENGR. CO.

IVANHOE MINE

1 inch = 50 FEET

ORE RESERVES
as of June 1, 1954

L.J.O. 6/54


AMERICAN ALLOY METALS, INC.
BROWN'S LAKE TUNGSTEN DEPOSIT
TOPOGRAPHY IVANHOE AREA
GLEN, BEAVERHEAD COUNTY, MONT.
SCALE 1 IN. = 50 FT.
CONTOUR INTERVAL 10 FT.
January 17, 1953
Robert N. Roby
DDH 1
DDH 2
DDH 3
DDH 4
DDH 5
DDH 10
DDH 11
TRENCH 1
TRENCH 2
TRENCH 3
TRENCH 4
TRENCH 5
TRENCH 6
ATLAS CREEK
Mine Water line
10,600 N
10,400 N
10,200 N
10,000 N
9800 N
9600 N
9400 N
9200 N
28,800 E
29,000 E
29,200 E
29,400 E
29,600 E
29,800 E
30,000 E
30,200 E
30,400 E
30,600 E
30,800 E
6750
6800
6850
6900
6950
7000
7050
7100
7150
7200
7250