DMEA Form 1

DEFENSE MINERALS EXPLORATION ADMINISTRATION
Control Slip

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DMEA Docket No. 4487

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To:	130	Date	1-31-57
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DMEA Form 7
(12-56)

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2/14	Hanley	600
2/15	Selfridge	130
2/18	Lemmon	110
	Mittendorf	100
		220

600

FEB 18 1957

J. & B. Mining Company
c/o Mr. M. E. Burleson
P. O. Box 26
Spruce Pine, North Carolina

Re: Docket No. DMEA-4487-Mica
J. & B. Mining Company
The Mauldin Mine
Upson County, Georgia

Lamb

Gentlemen:

Your application for aid for an exploration project and other reports available to us in Washington relating to the subject property have been reviewed.

Projects approved by the Defense Minerals Exploration Administration must, in its judgment, show definite promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program.

Careful study of all our information indicates to us that the probability of disclosing significant reserves of mica by your proposed program is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied.

We wish to thank you for your interest in the Defense Minerals Program and for bringing your property to our attention.

Sincerely yours,

C. O. Mittendorf

Administrator

WCAnderson:gad 2/14/57
Copy to: Admr. R. File
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C. 600

Memorandum February 15, 1957

To: Mr. C. O. Mittendorf, Administrator

From: L. G. Houk, Chief, Nonmetallic Minerals Division

Subject: Evaluation of application and field examination report.
Docket No. DMEA-4487-Mica
J. & B. Mining Company
The Mauldin Mine
Upson County, Georgia

Denial of application is recommended.

Mica: Light cinnamon brown to ruby, flat, hard, and free splitting. Minor cracking and ruling, clay staining.

Pegmatite: Arcuate discordant dike-like, exposed over a strike length of 285 feet, 1½ feet thick at northern end, swells to 12 feet at mid-section and tapers to 5 to 6 feet at southern end. Consists of albite-oligoclase and massive quartz zones, muscovite, and minor garnet, biotite and apatite. Country rock is deeply weathered, contorted and migmatitic mica gneiss and schist.

Old workings: Mined over a strike length of 285 feet to maximum depth of 128 feet downdip.

Production: Previous to World War II amounted to between $75,000 and $100,000.

Applicant's proposal: 125 feet of shaft to get below old workings and 100 feet of drifts.

Amount requested: $11,195.40.

Field Team proposal: A diamond drilling project consisting of four holes each approximately 100 feet deep to intersect the southern extension of the pegmatite.

Comments: Reasons for denying.

1. Appears to be a worked out mine.
2. Limits of pegmatite seem to have been established by past mining work.
3. In recent operations the pegmatite did not contain enough mica for profitable operation.
4. Quote from USGS Professional Paper 248-F. "The richest part of the deposit, which was mined in the Burleson stopes, may plunge gently south. It may also taper distinctly in this direction, inasmuch as it was not encountered in the workings from the south."

Recommendations: Although the Field Team originally proposed a drilling program, which is concurred in by the commodity members of the Bureau of Mines and the Geological Survey, the Nonmetallic Minerals Division considers the proposal as not attractive enough to risk the cost of diamond drilling. In a supplementary report the Field Team intimated as much. In addition the applicant has not responded to the request by the Field Team whether they would accept a contract for drilling. In view of the foregoing the Nonmetallic Minerals Division recommends denial of the application.

Walter C. Anderson
Nonmetallic Minerals Division

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1, POST OFFICE BLDG.
KNOXVILLE 2, TENNESSEE
WASHINGTON 25, D.C.

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2/12	C	220
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February 7, 1957

Memorandum

To: Operating Committee, DMEA - Washington

From: DMEA Field Team, Region V - Knoxville, Tennessee

Subject: DMEA-4487-Mica. J & B Mining Co., Spruce Pine, N.C.
The Mauldin Mine, Upson County, Georgia

Reference is made to your letter of February 1.

We agree that, in the area of past work, the limits of the pegmatite, have been pretty well established, except that it is still open on the south end. The tapering in that direction may be more apparent than real if there is a southward plunge to the body, as seems possible. It was proposed to drill two holes, at 45°, on the indicated section lines, to intersect the pegmatite zone from the east(hanging-wall) side at 100 feet depth, with two possible additional holes to be determined after completion of the first two.

However, we strongly recommend against doing anything toward preparing a contract until some word is received from the Applicants as to whether they will accept a contract for drilling. At the time of the examination (Dec.6, 1956) Mr. L. M. Johnson, who accompanied the examiners, agreed to write us about that, after conferring with his partner, Mr. Burleson. We have had no further word from them, which probably means that they would not approve such a contract.

We suggest that you write a "30-day letter" to the applicant.

Robert A. Laurence
Robert A. Laurence
Executive Officer, DMEA
Region V

V. J. Lynch
V. J. Lynch, Member
U. S. Bureau of Mines

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DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
1-30	Anderson	600
1/30	Houk	600
2/1	Selfridge	130
"	Lodwick	110
2/4	Mitchell	100
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600

FEB 1 1957

Mr. Robert A. Laurence
Executive Officer, DMEA
Field Team, Region V
Room 13, Post Office Bldg.
Knoxville 2, Tennessee

Re: Docket No. DMEA-4487-Mica
J. and B. Mining Company
The Mauldin Mine
Upson County, Georgia

Dear Mr. Laurence:

Reference is made to the Field Team Examination Report of January 15, 1957, recommending a drilling project on the south end of the subject property.

This office is reluctant to write a contract for the recommended drilling project because it appears that the limits of the pegmatite have been established by past mining work. We get this impression from reading the history of the mine as outlined in the report and your referenced publications. While this mine was a good producer in the early days, in more recent operations the pegmatite did not contain enough mica for profitable operation, and there are indications that it tapers distinctly to the south.

We will appreciate having your comments on the above. In the event you still recommend a contract we would like to have the position of the proposed holes spotted on the map and vertical cross-sections through the holes, showing their depth and inclination, and the position of the projected pegmatite.

When the above information has been received, we will continue the processing of the application.

Approved:

Frank D. Lamb (JB)
Member, Bureau of Mines

M. E. Nelson (JB)
Member, Geological Survey

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (JB)

WCAnderson:gad 1/30/57
Copy to: Admr. R. File
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

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1-29	Cw	220
1/30	Houk	600

A

January 28, 1957

Re: DMEA 4487
L. M. Johnson and
M. E. Burleson
Mauldin Mine
Upson County, Georgia
$11,195.40 - Mica

Memorandum

To: L. G. Houk, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of Field Team Report

The applicants requested assistance in further exploration of a workings riddled pegmatite, by shaft sinking and drifting.

Because the proposed shaft would be in the midst of old mine workings, the examiners rightfully conclude such work should not be approved.

As there may be a southerly extension of the pegmatite the examiners and Field Team recommend that it be searched for by diamond drilling. The applicants have not acceded to the suggestion.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

OFFICIAL FILE COPY DMEA RECEIVED JAN 24 1957		
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1-24	C	220
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January 23, 1957		

A

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: W. F. Dietrich, Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA- 4487 (mica)

Applicant: J and B Mining Co.

Name and Location of Property: Mauldin Mine
Upson Co., Georgia

Date of Field Team Report: January 15, 1957

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: January 22, 1957

Field Team Recommendation: Recommend a drilling program as outlined by the Field Examiners.

Comments:

1. This prospect has been one of the foremost producers of muscovite in the Upson Co., Ga. area.

2. A highly productive mica bearing pegmatite has been extensively mined and the known mica-bearing pegmatite appears to have been worked out.

3. The pegmatite dike has been mined to the North to a point where the dike has almost pinched out; but to the South the unmined pegmatite has a thickness of 3 to 7 feet.

4. The proposed program of exploration by the field team will determine value of ground in mine that previously has been reported as a producer of mica.

Recommendation:

I concur with the recommendation of the field team that a drilling project on the south end of the prospect be approved provided the applicant agrees to such a program.

W. F. Dietrich

W. F. Dietrich

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

January 15, 1957

CENTRAL FILE COPY DMEA RECEIVED JAN 18 1957		
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1-24	C	220
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Memorandum

To: Operating Committee, Washington , D. C. DMEA

From: DMEA Field Team, Region V - Knoxville, Tennessee

Subject: Examination Report, DMEA-4487 (mica) J & B Mining Company. Mauldin Mine, Upson County, Georgia

Enclosed are four copies of the subject report, and nine extra copies of the map. Preparation of this report has been delayed, as we hoped to hear from the applicants whether or not they would be agreeable to a drilling project.

We recommend approval of a drilling project as outlined in the report. If this recommendation is approved, we suggest that the Washington office write to the applicants inquiring whether they would agree to a contract for drilling only, and requesting them to submit bids from three contractors if they are willing to accept such a contract.

In spite of its record of former production, we do not think that a project of shaft-sinking or drifting in and under the old workings would be feasible. Because the pegmatite may have been worked nearly to its bottom, we do not advise drilling to intersect it beneath the known workings; at least not until after its possible southern projection has been drilled at lesser depth.

Reviewed by
DMEA OPERATING COMMITTEE
1-23-57
(date)

V. J. Lynch
MINING ENGINEER
U. S. BUREAU OF MINES

Robert A. Laurence
Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION V

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UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FIELD EXAMINATION REPORT
FIELD TEAM, REGION V

On

DMEA-4487, MAULDIN MINE - Mica
Upson County, Georgia

By

S. C. Bergman, Geologist
U. S. Geological Survey

and
L. E. Shirley, Mining Engineer
U. S. Bureau of Mines

Reviewed by
DMEA OFFICIAL CONTRACT
1-23-57
(date)

January 15, 1957

ORIGINAL FILE COPY
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RECEIVED JAN 18 1957

DATE	INITIALS	CODE

FIELD EXAMINATION REPORT

On

DMEA-4487 (mica) MAULDIN MINE
Upson County, Georgia

Applicants: The J & B. Mining Company, c/o M. E. Burleson, P.O. Box 26, Spruce Pine, North Carolina

Summary

The subject mine has been one of the formost producers of muscovite in the area. It is an arcuate north-south trending pegmatite which has been continuously mined, excavated, or exposed over a strike length distance of about 285 feet and to depths of over 100 feet. Mining, dating back to 1916, has been extensive, but intermittant. The mine is noted for its production of excellent quality, large size sheet muscovite. Production previous to World War II has been estimated to be worth between $75,000 and $100,000.

The most southerly exposure of pegmatite is a 5 to 6 foot thick section of excellent mineralogic and textural environment. Mining at this point has been carried to a depth of about 128 feet downdip with no reported change in composition or thickness. Very little work has been done south of this point.

A proposal by the applicants to conduct exploration beneath the old stopes and/or a thin parallel pegmatite encountered in a 100-foot deep cross-cut, was not considered feasible by the examiners for reasons outlined in the body of the report. An alternate proposal was suggested by the examiners, but todate, the applicants' acceptance or rejection of this proposal has not been received. It was recommended that the southerly projection of pegmatite be diamond-drilled along two cross-sections as outlined on the examination map. It is believed that extensions of this strong productive structure may be outlined and new productive pegmatite developed by a small amount of diamond drill footage.

Introduction

Location:

The subject property is 3.5 airline miles S 26° E of Thomaston, Upson County, Georgia. It is adjacent to a graveled all weather road about 0.8 mile east of U. S. Highway 19.

Examination:

An Examination was made December 6, 1956. The examiners spent about 1 1/2

hours at the site and were accompanied by Mr. L. M. Johnson, one of the applicants, and Mr. R. A. Laurence, Executive Officer, DMEA Region V.

The working lie immediately north of a good, all-weather gravel road and near the top of a low fairly open hill, in a region of moderately dissected former farmland. No equipment, or buildings are presently at the mine site. In 1955, the applicant excavated by bulldozer and dragline an arcuate north-south trending trench about 300 feet long by a maximum 35 feet wide at the surface. The central part of the excavation has exhumed old stopes for a distance of about 145 feet add to maximum depth of 50 feet below the surface. In the old stope area, the outline of two of the deep shafts could be seen and plotted. The other shafts have been backfilled and.or covered with dump material.

Mine History and Bibliography:

The history of this mine is well outlined on pages 335-336 of "Mica Deposits of the Southeastern Piedmont, Part 9, Thomaston-Barnsville District, Georgia - Geological Survey, Professional Paper 248-F(1953)." Other reports on the subject mine may be found on pages 27, 28 of "Mica-bearing Pegmatites of Georgia - Georgia Geological Survey Bull. No. 48 (1943), as well as on pages 20, 21 of an open file report, Mica Mines of the Barnsville District, Georgia (1942) by T. L. Kesler, U. S. Geological Survey.

Pegmatite was first encountered while digging a water well which is represented by the northernmost shaft on the examination map. The first mining was done by Martin and Frazee about 1916. A ~~hosrt~~ SHORT while later, C. A. Nickols of Spruce Pine, N. C., traced the outcrop along strike and mined by means of 3 shafts to depths of about 30 feet. One of the shafts was sunk to a depth of about 60 feet and is represented by the westernmost of the southern-

most pair of shaft on the examination map. Extensive operations were begun by J. E. Burleson in 1918 under the direction of Oliver Howell. At this time, a shaft, represented by the westernmost of the medial pair of shafts on the examination map, was sunk downdip and stoped driven north to the discovery shaft, which was found to be about 70 feet deep. Near this point a gently southward plunging "keel" on bottom of the pegmatite was encountered at a depth of somewhere between 75 and 90 feet. A drainage tunnel was driven west-southwest from an adjacent ravine to intersect the works near the above shaft about 63 feet below the collar. A vertical shaft, about 15 feet southwest of the above shaft, was sunk in country rock to a depth of 100 feet. A connection was made with the stopes to the north and additional stope driven 60 feet to the south. These operations were reported to have yielded 4800 pounds of sheet muscovite, 25 tons of punch and about 90 tons of scrap. The gross value of production through this period has been estimated at between $75,000 and $100,000. In 1942, the Asheville Mica Company cleaned and deepened the old 60-foot Nichols shaft at the southern end of the exposure and sank a vertical shaft to the east in country rock to a depth of 128 feet. A crosscut was driven at the 100 foot level which intersected pegmatite at the bottom of the inclined shaft. Drift was driven from this point in pegmatite 25 feet south and 45 feet north, at which point, the bottom of old works was encountered. Although some very high quality sheet muscovite was recovered during this operation, there was not enough to sustain operations and work was stopped in July, 1944. In 1955, L. M. Johnson, one of the present applicants reportedly recovered about $4000 worth of muscovite from bulldozing and draglining on the outcrop and in the old stope areas. (see examination).

Geology

An arcuate discordant dike-like pegmatite has been thoroughly excavated and exposed over a strike-distance of about 285 feet. Its mid-section has been mined to depths of at least 100 feet. The pegmatite is about 1 1/2 feet thick at the extreme northern end of the exposure striking generally N 14° W and dipping 75 to 80° east. The structure rapidly swells to a maximum thickness of about 12 feet at its mid-section and changes strike to about N 20 to 25° E towards the south. It gradually tapers to the south until at the most southerly exposure it is 5 to 6 feet thick. In the vertical Ashville Mica Company shaft, pegmatite intersected at a depth of 128 feet, directly downdip from the most southerly exposure, was still 3 to 7 feet thick and rich in quartz. There is a marked divergence in strike at depth compared to the surface exposures, both north and south of the vertical Burleson shaft. This is outlined by the trace of the stopes and drifts (see map). This divergence is caused by a general flattening of the dip at depth, both north and south of the midpoint. A gently southward plunging keel or pegmatite bottom was encountered in the most northerly workings at a depth of between 75 and 90 feet. No bottom has been encountered to the south.

The structure is discordantly implaced in a deeply weathered, contorted and locally migmatitic garnetiferous (sillimanitic ?) mica gneiss and schist. The country rock at depth in the Asheville Mica Company workings is described as a garnetiferous, quartz-biotite gneiss, locally rich in pyrite. The foliation of the enclosing rock cuts obliquely across the pegmatite generally northeast-southwest dipping steeply southeast. In the walls of the excavated old stope area, the foliation adjacent to the pegmatite is markedly bent toward the plane

of the contacts. Foliation on opposite walls of the pegmatite ~~are~~ is bent in opposite directions, indicative of strong differential movements and a possible strike-slip fault environment.

At the site of the Nichols shaft, a 5 to 6-foot thick section of pegmatite is exposed for 15 feet vertically in the south wall of the cut or shaft wall. Pegmatite is composed of predominantly albite-oligoclase and massive quartz zones with some gray perthite, muscovite, and minor garnet, biotite and apatite. Two continuous 1/2 to 1 foot thick quartz zones are exposed in this exposure, one medial and one adjacent to the footwall contact. A zone of quartz in the footwall contact is reported in the old works 128 feet downdip from this exposure.

Muscovite is a light cinnamon brown to ruby color and of excellent quality. It is flat, hard, and free splitting, and has been noted in the past for its relatively high yield of large size sheet material. Defects include minor cracking and ruling, clay staining, inclusions and/or intergrowths of apatite, quartz and biotite.

Conclusions and Recommendations

A large, highly productive mica-bearing pegmatite has been extensively mined and recently excavated. The known mica-bearing areas in the pegmatite appear to have been completely mined out. Because of known pegmatite bottom, a keel intercepted in the northern most workings at 75 to 90 foot depths, the applicants proposal to sink a new 125 foot shaft in the old 100 foot deep stope area does not appear to be feasible. Even if pegmatite were found at 125-feet in the mid part of the old stope area, the small volume of pegmatite outlined would not justify the cost of sinking a shaft to that depth.

Pegmatite with excellent indicated mineralogic, and textural, environment as well as established vertical structural, and mineralogical continuity of at least 128 feet is exposed and indicated at the southernmost end of the exposure. Because of this the examiners have recommended that the southerly projection of pegmatite be diamond drilled on two cross-sections as outlined on the examination map. Two holes on each section, the first two to intersect the pegmatite at 100 feet depth, and the other two to be determined after completion of the first two, are suggested. Total footage would be about 400 feet.

It should be noted that the Applicants have not yet indicated whether they would accept a program of diamond drilling only. If the recommendation is approved, we suggest that, before preparing a contract, the Washington office should write to the Applicants and ask if such a contract would be accepted by them. They should also be asked to provide bids from drilling contractors.

January 15, 1957

S. C. Bergman, Geologist
Geological Survey

L. E. Shirley, Mining Engineer
Bureau of Mines

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MF-205
(Combines and supercedes MF-201 and MF-203)
June 1956

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator
Docket No. DMEA-
Contract No. Idm-E
Contract Date

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

4487

RECEIVED
OCT 29 1956

To the United States of America:

Referring to that certain land in the County of Upson, State of Georgia, described as follows: 2/

Beginning at the center of the Mauldin Mine, which is a point 150 feet north of the center line of the Atwater Mill Road, thence 425 feet north, thence 425 feet west, thence 850 feet south, thence 850 feet east, thence 850 feet north, thence 425 feet west to a point of closing, consisting of 17 acres more or less, and being a part of the same land described in a lease dated September 6, 1956, between the undersigned and L. M. Johnson and M. E. Burleson.

which is the subject of a proposed exploration project contract, hereinafter called the "contract," with the United States of America, hereinafter called the "Government;" in consideration of the contract and as an inducement to the Government to enter into it, the undersigned hereby--

1. Undertakes and agrees that property in which the Government may acquire an interest or equity under the contract may be dismantled, severed from the land, and removed, as may be provided in the contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned;

2. Grants to the Government a lien upon all of the undersigned's right, title, and interest in the land and upon any production of minerals therefrom, to secure the payment to the Government of a percentage royalty on production as may be provided for by the Contract;

3. Subordinates the undersigned's right, title, claim, or interest in or against the land and in any production therefrom to the rights of the Government under the contract with respect to royalty on production and liens to secure same;

4. Represents and undertakes that there is no claim, lien, or encumbrance upon the undersigned's right, title, claim, or interest in or against the land other than the following: (If "none" insert the word "none." Do not leave lines blank.)

None

1/ Mining or production from the land is not required, and in the absence of production there is no obligation to pay royalty to the Government.

2/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in Book _____, Page _____, official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

5. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Agreement; and (b) to give advance notice of the Government's rights under this Agreement to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, claim, or interest in or against the land, or any production therefrom furnishing the Government with two copies of such notice; and

6. Consents to all amendments (including an agreement of termination) and assignments of the contract without notice thereof, and undertakes and agrees that this Agreement shall extend and apply thereto.

7. Added provision: _____ (State "None" or "See Annex No.____")

Dated this 25 day of Oct, 1956.

Mrs Bessie Mundin [Seal] [illegible] [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

I, _____ certify that I am the _____ _____ (Secretary, etc.) of the corporation named herein; that _____ _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____

[Corporate Seal]

MF-205
(Combines and supercedes MF-201 and MF-203)
June 1956

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator
Docket No. DMEA-
Contract No. Idm-E
Contract Date

RECEIVED
OCT 29 1956

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of Upson, State of Georgia, described as follows: 2/

Beginning at the center of the Mauldin Mine, which is a point 150 feet north of the center line of the Atwater Mill Road, thence 425 feet north, thence 425 feet west, thence 850 feet south, thence 850 feet east, thence 850 feet north, thence 425 feet west to a point of closing, consisting of 17 acres more or less, and being a part of the same land described in a lease dated September 6, 1956, between the undersigned and L. M. Johnson and M. E. Burleson.

which is the subject of a proposed exploration project contract, hereinafter called the "contract," with the United States of America, hereinafter called the "Government;" in consideration of the contract and as an inducement to the Government to enter into it, the undersigned hereby--

1. Undertakes and agrees that property in which the Government may acquire an interest or equity under the contract may be dismantled, severed from the land, and removed, as may be provided in the contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned;

2. Grants to the Government a lien upon all of the undersigned's right, title, and interest in the land and upon any production of minerals therefrom, to secure the payment to the Government of a percentage royalty on production as may be provided for by the Contract;

3. Subordinates the undersigned's right, title, claim, or interest in or against the land and in any production therefrom to the rights of the Government under the contract with respect to royalty on production and liens to secure same;

4. Represents and undertakes that there is no claim, lien, or encumbrance upon the undersigned's right, title, claim, or interest in or against the land other than the following: (If "none" insert the word "none." Do not leave lines blank.)

None

1/ Mining or production from the land is not required, and in the absence of production there is no obligation to pay royalty to the Government.

2/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in Book _____, Page _____, official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

5. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Agreement; and (b) to give advance notice of the Government's rights under this Agreement to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, claim, or interest in or against the land, or any production therefrom furnishing the Government with two copies of such notice; and

6. Consents to all amendments (including an agreement of termination) and assignments of the contract without notice thereof, and undertakes and agrees that this Agreement shall extend and apply thereto.

7. Added provision: None (State "None" or "See Annex No.____")

Dated this 25 day of Oct, 1954.

Mrs Brian Turnbull [Seal] 101 S. Neighbour Sd. Shawnee, Okla. [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

I, _____ certify that I am the _____ _____ (Secretary, etc.) of the corporation named herein; that _____ _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

[Corporate Seal]

MF-205
(Combines and supercedes MF-201 and MF-203)
June 1956

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator_____
Docket No. DMEA-_____
Contract No. Idm-E_____
Contract Date_____

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of Upson, State of Georgia, described as follows: 2/

Beginning at the center of the Houlkin Mine, which is a point 150 feet north of the center line of the Atwater Mill Road, thence 425 feet north, thence 425 feet west, thence 850 feet south, thence 850 feet east, thence 850 feet north, thence 425 feet west to a point of closing, consisting of 17 acres more or less, and being a part of the same land described in a lease dated September 6, 1956, between the undersigned and L. M. Johnson and M. D. Dawlason.

which is the subject of a proposed exploration project contract, hereinafter called the "contract," with the United States of America, hereinafter called the "Government;" in consideration of the contract and as an inducement to the Government to enter into it, the undersigned hereby--

1. Undertakes and agrees that property in which the Government may acquire an interest or equity under the contract may be dismantled, severed from the land, and removed, as may be provided in the contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned;

2. Grants to the Government a lien upon all of the undersigned's right, title, and interest in the land and upon any production of minerals therefrom, to secure the payment to the Government of a percentage royalty on production as may be provided for by the Contract;

3. Subordinates the undersigned's right, title, claim, or interest in or against the land and in any production therefrom to the rights of the Government under the contract with respect to royalty on production and liens to secure same;

4. Represents and undertakes that there is no claim, lien, or encumbrance upon the undersigned's right, title, claim, or interest in or against the land other than the following: (If "none" insert the word "none." Do not leave lines blank.)

None

1/ Mining or production from the land is not required, and in the absence of production there is no obligation to pay royalty to the Government.

2/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in Book _____, Page _____, official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

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6. Consents to all amendments (including an agreement of termination) and assignments of the contract without notice thereof, and undertakes and agrees that this Agreement shall extend and apply thereto.

7. Added provision: _____ (State "None" or "See Annex No.____")

Dated this 25 day of Oct., 1954.

Iris Berier Mercedes	[Seal]	121 S. Highland St. Shreveport, La.	[Address]
_____	[Seal]	_____	[Address]
_____	[Seal]	_____	[Address]
_____	[Seal]	_____	[Address]
_____	[Seal]	_____	[Address]
_____	[Seal]	_____	[Address]

I, _____ certify that I am the _____ _____ (Secretary, etc.) of the corporation named herein; that _____ _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____

[Corporate Seal]

MF-205
(Combines and supercedes MF-201 and MF-203)
June 1956

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator
Docket No. DMEA-
Contract No. Idm-E
Contract Date

RECEIVED
OCT 29 1956

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

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2. Grants to the Government a lien upon all of the undersigned's right, title, and interest in the land and upon any production of minerals therefrom, to secure the payment to the Government of a percentage royalty on production as may be provided for by the Contract;

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6. Consents to all amendments (including an agreement of termination) and assignments of the contract without notice thereof, and undertakes and agrees that this Agreement shall extend and apply thereto.

7. Added provision: _____ (State "None" or "See Annex No.____")

Dated this 25 day of Oct, 1954

Mrs. Bonnie Mouedice	[Seal]	18 S. Highlomer St. Shoucastow, Pa.	[Address]
_____	[Seal]	_____	[Address]
_____	[Seal]	_____	[Address]
_____	[Seal]	_____	[Address]
_____	[Seal]	_____	[Address]
_____	[Seal]	_____	[Address]

I, _____ certify that I am the _____ _____ (Secretary, etc.) of the corporation named herein; that _____ _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____

[Corporate Seal]

MF-205
(Combines and supercedes MF-201 and MF-203)
June 1956

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator
Docket No. DMEA-
Contract No. Idm-E
Contract Date

RECEIVED
OCT 29 1956

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

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7. Added provision: _____ (State "None" or "See Annex No.____")

Dated this 25 day of Oct, 1956.

Mrs Bernice Mauldin	[Seal]	101 S. Highland St., Shreveport, La.	[Address]
_____	[Seal]	_____	[Address]
_____	[Seal]	_____	[Address]
_____	[Seal]	_____	[Address]
_____	[Seal]	_____	[Address]
_____	[Seal]	_____	[Address]

I, _____ certify that I am the _____ _____ (Secretary, etc.) of the corporation named herein; that _____ _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____

[Corporate Seal]

MF-205
(Combines and supercedes MF-201 and MF-203)
June 1956

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator
Docket No. DMEA-
Contract No. Idm-E
Contract Date

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

RECEIVED
OCT 29 1956

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7. Added provision: _____ (State "None" or "See Annex No.____")

Dated this 25 day of Oct, 1956.

Mrs Bernice Mauchlen [Seal] 101 S. Stephenson St. [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

I, _____ certify that I am the _____ _____ (Secretary, etc.) of the corporation named herein; that _____ _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____

[Corporate Seal]

Docket Copy
Surname:

Houk
Selfridge
F. Johnson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C. 600

OCT 31 1956

Mr. Robert A. Laurence
Executive Officer, DMEA
Field Team, Region V
Room 13, Post Office Bldg.
Knoxville 2, Tennessee

Re: Docket No. DMEA-4437-Mica
J. and B. Mining Company
The Mauldin Mine
Upson County, Georgia

Dear Mr. Laurence:

Please review the subject application and arrange for a field examination if you deem it necessary.

Copies of memoranda dated October 5 and 10, 1956, by Mr. W. F. Dietrich, USBM, and Mr. N. E. Nelson, USGS, respectively, relating to the project are enclosed.

Sincerely yours,

George C. Selfridge
(es)
Chairman, Operating Committee

Approved:

Frank D. Lamb (es)
Member, Bureau of Mines

Thor H. Kiilsgaard (es)
Member, Geological Survey

Enclosures 4

LGHouk:gad 10/29/56
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

Docket Copy
Surname:

Houk
Richmond
Lamb
Selfridge
Johnson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C. 600

OCT 31 1956

J. and B. Mining Company
C/O Mr. M. E. Burleson
P. O. Box 26
Spruce Pine, North Carolina

Re: Docket No. DMEA-4487-Mica
J. and B. Mining Company
The Mauldin Mine
Upson County, Georgia

Gentlemen:

Your application for assistance in exploring the subject property has been reviewed by the Nonmetallic Minerals Division of the Defense Minerals Exploration Administration and has been referred to Mr. Robert A. Laurence, Executive Officer, DMEA Field Team, Region V, Room 13, Post Office Building, Knoxville 2, Tennessee, for further consideration and possibly a field examination.

The Regional Office will contact you at an early date if an examination is to be made. Any assistance you may give the members of the Field Team during the examination will be appreciated.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

LGHouk:gad 10/29/56
Copy to: Admr. R. File
Docket
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

R.C.H.

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

RECEIVED
OCT 11 1956

October 10, 1956

Re: DMEA 4487
L. M. Johnson and M. E. Burleson
Mauldin Mine
Upson County, Georgia
$11,195.40 - Mica

Memorandum

To: L. G. Houk, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of application.

The applicants request assistance in continuing the exploration and development of a pegmatite, up to 18 feet wide, by underground work. Bulldozing, done by one of the applicants in 1955, opened a trench 200 feet long, 50 feet wide, and 55 feet deep. Mica to the value of about $4,000 is reported by the applicants to have been recovered from the operation. Mica is said to have been left in the bottom of the pit.

The proposed work program consists of a shaft 125 feet deep and 100 feet of drifting.

Obviously, the purpose of the work is to develop the pegmatite for mining.

Referral of the application to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

Docket Copy
Surname:
Anderson
Hoyle
Selfridge
Mitchenson

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

600

OCT - 5 1956

J. and B. Mining Company
C/O Mr. N. E. Burleson
P. O. Box 26
Spruce Pine, North Carolina

Re: Docket No. DMEA-4487-Mica
J. and B. Mining Company
The Mauldin Mine
Upson County, Georgia

Gentlemen:

Reference is made to your application for Government assistance to explore the subject property.

Your application is in order in all respects except for the land description. We have not been accepting circular land areas for exploration. We are, therefore, returning the five copies of the Consent to Lien and Subordination Agreement attached to your application, and enclosing seven other forms for execution. We have written on these forms a description of a land area that is contained within the 600 foot radius circle in your description. Please have these signed by Miss Bessilu Mauldin, fill in the date, and return six copies to this office.

Your prompt attention to this matter will enable us to continue with the processing of your application.

Sincerely yours,

Lawrence G. Houk, Chief
Nonmetallic Minerals Division

Enclosures 12
WCAnderson:gad 10/8/56
Copy to: Admr. R. File
Docket
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

R.P.S.

A

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

RECEIVED
OCT - 8 1956

October 5, 1956

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: W. F. Dietrich, Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4487 (mica)

Applicant: L. M. Johnson

Name and Location of Property: Mauldin Mine, Upson County, Georgia

Date Application Rec'd. by Br. of Ceramic & Fertilizer Materials: 10/2/56

Comments:

1. This deposit appears to have possibilities for the development of strategic mica.

2. Proposed exploration outlined by the field team is consistent with good engineering practices and estimated costs are in line with other DMEA projects.

3. Bureau of Mines records show purchases by the Spruce Pine Purchasing Depot from the Mauldin mine as follows:

14.5 pounds of full trim mica valued at $240.10 in December 1954.

34.37 pounds valued at $330.99, 20 pounds valued at $300.56, and 68.94 pounds (good stained and better) valued at $2553.33 was sold by J. R. Freeman in 1955.

Recommendation:

It is recommended that the field team visit this mine when in that vicinity to ascertain if an exploration project is justified. If so, the field team and applicant should agree on a definite plan of exploration on a unit-cost basis.

W. F. Dietrich

W. F. Dietrich

Attachment

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
Washington 25, D. C.

October 4, 1956

Mr. M. E. Burleson
P. O. Box #26
Spruce Pine, N. C.

Subject: DMEA-4487
Re: Exploration Assistance
Mauldin Mine

Dear Mr. Burleson

Your application for exploration assistance, dated September 29, 1956 submitted to our office at Knoxville, has been assigned Docket Number DMEA-4487 and referred to the Nonmetallic Minerals Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

Allen S. Dakan, Chief
Operations Control and
Statistics Division

Copy to:

Code 600

3571

J&B MINING COMPANY
MOUNTAIN MINERALS
Box 126
SPRUCE PINE, N. C.

Sept. 29,1956

RECEIVED
OCT - 2 1956

Defense Minerals Exploration Administration
Department Of The Interior,
Washington 25, D. C.

Gentlemen:

We are enclosing properly executed application forms for a loan on the Mauldin Mine in Upson County, Georgia for your consideration.

This mine is a producer of very high quality mica and because of our long experience of mica mining in that section we feel we are in better position to explore and produce sufficient mica to repay the loan.

Looking forward to a favorable reply on this application.

Very truly yours,

J&B Mining Company

By M. E. Burleson
M. E. Burleson

RECEIVED
OCT - 2 1956

Supplement Sheet to
Application Form MF-103
A Description of Property

"Begining at a point in the center of that landmark known as the "Mauldin Mine" (said "Mauldin Mine" being situated on property of Lessor more fully described hereafter) and extending outwardly a distance of six hundred (600) feet in a circle from said center point." The said property to be mined is situated on the following described land of the Lessor:

"All of the 140 acres more or less, being part of Land Lot 9, 16th Dist. of Upson County, Georgia, being recorded in Deed Book 95, Page 25, on May 11, 1942, by and between T.H. Mauldin and Asheville Mica Company--in Town District of Upson County, bounded on the North by Public Road; on the East by W.Y. Daniels; on the South by W.Y. Daniels; on the West by lands of Buford Jones and Mrs. Mae Weaver."

"All of 44 acres, more or less, ~~being part of Land Lot~~ in 16th Town District, and recorded in Record Book 112, page 507, and bounded on the North and West by Claude Jones Estate; on the South by Public Road, and on the East by lands of Mrs. Lula Hunt, all under date of February 24, 1949, from the R.F.C. (Reconstruction Finance Corporation), to (Miss) Bessilu Mauldin."

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1035.2.

RECEIVED
OCT - 2 1956

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant

Docket No. 4487
Metal or Mineral Mica
Date Received 10-2-56
Estimated Cost $11,195.40
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: L.M. Johnson, Yatesville, Ga.) A Partnership
M.E. Burleson, Spruce Pine, N.C. (

Operating under the firm name of J.& B. Mining Co. Spruce Pine, N.C.

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers.

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract
See description of property
set out on attached sheet.

(*b*) State any mine name by which the property is known. "The Mauldin Mine."

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise
Lessee

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property. copy of lease attached hereto

(*e*) If you own the land, describe any liens or encumbrances on it
NX

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. None

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes. see attached sheets

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. do

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you. see attached sheets

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points. do

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power. do

16—66551-1

5. *The exploration project.*—(a) State the mineral or minerals for which you plan to explore .....

.....

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc.

(*c*) The work will start within ..... days and be completed within ..... months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project:

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.).

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants.

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel.

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be.

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project.

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

NOTE.—No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

7. (*a*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)?

(*b*) How do you propose to furnish your share of the costs?

☐ Money ☐ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

Dated ....., 195...

.....
(Applicant)

By M. E. Burleson

.....

.....

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.

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

Re: 'Mauldin Mine'
Upson County, Ga.

J.& B. Mining Company
P.O. Box 26
c/o M.E. Burleson, Mgr.
Spruce Pine, N.C.

RECEIVED
OCT - 2 1956

SUPPLEMENT SHEET NO.1.
--re--
FORM MF-103, (Revised)

Section 4-(a) PHYSICAL DESCRIPTION OF PROSPECT.

The Mica Prospect hereinafter referred to as the 'Mauldin Mine' is located in Upson County, Ga. about 3½ miles Southeast of Thomaston, Georgia, on lands owned by Miss Bessilu Mauldin. There has been no operation of the mines since 1955, when it was operated for a while by L.M. Johnson, of Yatesville, Ga. The present old works are composed of an open cut 50 feet wide, 200 feet long and about 55 feet deep at the deepest point which was opened up by means of a bulldozer. There are no visible open shafts or drifts. L.M. Johnson, who last operated the mine in 1955 is one of the applicants to this loan application and is well acquainted with the mine formation of this particular mine and its possibilities for futher production of high grade mica. The mine site & workings are readily accessible for examination purposes.

Section 4-(b) PAST & CURRENT PRODUCTION DATA.

The mine is not in operation at the present time it last having been operated in 1955. During the period of operation in 1955, it is reported that about $ 4,000 worth of high grade ruby mica was recovered and sold from this operation by the operator L.M. Johnson of Yatesville, Ga. As the mine was worked to a maximum depth by means of a bulldozer without endangering the lives of the workers, the mine was closed down. Mr. Johnson, the last operator of the mine and a party to this application for loan, states that a large quanity of mica still remains to be recovered by sinking a shaft that would contact the vein beyond the East boundry of the present open cut. The grade of the mica is excellent. (ruby)

Section 4-(c) GEOLOGIC DATA OF MINE. (Prospect)

The 'Mauldin Mine' prospect is located on top of a small ridge about 50 yards North of the public road known as the 'Atwater Mill Road' 3½ miles SE of Thomaston. Ga. on the property owned by a Miss. Bessilu Mauldin, of Thomaston, Georgia. The main pegmatite body is reported to be as much as 18 feet wide in some places but the muscovite mica books are confined to an area approximately 4 feet wide containing rich mica rock with which is associated masses of quartz some of the quartz bodies reported to be very large. While the outcrop was composed of Kaolinized feldspar near the surface, the formation tends to harden rapidly with depth and it is reported that the formation requires drilling and blasting at the lower levels. The mica books recovered are of the light ruby type fine in texture, medium hard and unusually free of cracks, reeves, stain, ects. The size of the books recovered in past operation vary from small to medium size with books that will cut pattern sheets 3" X 5" common. The main pegmatite strikes a course nearly North-South at the site of operation. The dip of the vein is to the East-Southeast on a gentle dip of about 10 degrees more or less. It is deemed almost certain from past operation experience of one of the applicants to this request of loan that a large quanity of fine ruby mica is still available at the site and can be recovered by means of a shaft sunk to a depth of 125 feet just outside of the eastern boundry of the present open cut. This proposed exploration is explained in Sect. 5-(a) of supplement data.

Section 4-(d) ACESSIBILITY OF PROJECT. (Proposed)

The prospect site is located 3½ miles SE of Thomaston, Ga. about 50 yards North of the Atwater Mill public road on property owned by Miss. Bessilu Mauldin. It can be reached by modern auto transportation to within 50 yards of mining site. The nearest railway station is Thomaston, Ga. 3½ mile distance. The near-electric power line is located about 70 yards from mining site. The nearest residence is ½ mile from site of prospect.

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OCT - 2 1956

Re: "Mauldin Mine"
Upson County, Ga.

Address: J.&B. Mining Company
c/o M.E. Burleson, Mgr.
P.O. Box- 26
Spruce Pine, N.C.

SUPPLEMENT SHEET NO.2.
--re--
FORM MF-103,(Revised)

Section 4-(e) MANPOWER, SUPPLIES, MATERIALS,ects.

It is the ententions of the applicants to supply the labor for the proposed exploratory project by transfering a sufficient number of experienced miners from another project now in operation. The supervision of the proposed exploratory project (if approved) will be taken over by Mr. L.M.Johnson, one of the applicants who has had 30 years or more of active mica mining experience and who last operated the Mauldin Mine in 1955. Ample equipment, materials and supplies can be furnished by the applicants with exceptance of small supplies as gasoline, oils, dynamite, ects. All heavy equipment & small mining tools are on hand and ready to be moved to mining site upon approval of loan.

Section 5-(b) PROPOSED EXPLORATORY WORK.

The old works at the site of the proposed exploratory project is composed of a large open pit which is approximately 50 feet in width, 200 feet in length and 55 feet deep at the lowest level. The main pegmatite body runs paraell with the 200 ft length of the cut in a direction roughly North & South with the main pegmatite body near or ajacent to the East wall of the cut with the dip of the body to the East-Southeast at about 10 to 12 degrees as an average. As the East wall of the open cut along the strike of the main pegmatite is approximately 50 to 55 feet deep and cannot be worked futher at the lower level without endangering the lives of the workers, it is proposed by the applicants to sink a 5'X 7' shaft at a point some 20 to 30 feet East of the present rim of the east wall of the cut and at a point about midway of the length of the 200 ft cut, (see sketch attached). This shaft would be drove to a depth of about 125 feet cross cuting the vein and then drive a drift 50 ft North and 50 ft. South with the run of the vein from bottom of the shaft, (100 to 125 deep).

Section 5-(d) MINING QUALIFICATION OF SUPERVISION & WORKERS.

All hired workers engaged in this operation would be thorogh-experienced mica miners transfered to this exploratory project from another project now in operation by the applicants. The Supervision of this proposed project would be handled by Mr. L.M. Johnson, one of the applicants who has been engaged in mica mining for over 30 years in North Carolina, Georgia and Alabama.

Section 6-(a) INDEPENDENT CONTRACTS. (None)

Section 6-(b) LABOR & SUPERVISION ESTIMATE.

No.	Class.	Hr. Rate	Wkly Rate	Mthly Rate	32 Wk Period Rate.	based on 1280 Wk Hours
(1)	Supervisor	$ 1.75	$ 70.00	$ 280.00	$ 2240.00	" "
(1)	Drill Optr.	1.50	60.00	240.00	1920.00	" "
(1)	Hoist Optr.	1.25	50.00	200.00	1600.00	" "
(2)	Muckers @ $1.00	2.00	80.00	320.00	2560.00	" "
(5)	Man Crew	$ 6.50	$260.00	$1040.00	$ 8320.00	1280 Wk Hrs.

Section 6-(c) OPERATING MATERIALS & SUPPLIES, (Purchase Basis)

Unit.	Items.	No.Units.	Unit Cost	Est. Costs For Period
Gal.	Gasoline	1000	0.20	$ 200.00
Qts.	Motor Oil	300	0.18	54.00
Lbs.	Dynamite	1000	0.25	250.00
Ea.	El. Exploders	600 6'	0.15	90.00
TOTALS----------				$ 594.00

RECEIVED
OCT - 2 1956

Re: 'Mauldin Mine'
Upson County, Ga.

Address: J.& B. Mining Company
c/o M.E. Burleson, Mgr.
P.O. Box 26
Spruce Pine, N.C.

SUPPLEMENT SHEET NO.3.
--re--
FORM MF-103, (Revised)

Section 6-(d) OPERATING EQUIPMENT,--(Rental Basis Monthly)

Unit.	Item.	No. Units.	Monthly Rental	Cost for Pd.
Ea.	Air Compressor	1	$ 125.00	$ 1000.00
Ea.	Jackhammer Drill	1	50.00	400.00
Ea.	1 Ton Hoist Eng.	1	35.00	280.00
Ea.	Water Pump.	1	15.00	120.00
TOTALS----------		4	---------$ 225.00	$ 1800.00

Section 6-(f) NEW BUILDINGS & INSTALLATIONS.--(Purchase Basis)

Unit.	Item.	No.Units.	Unit Cost.	Total Costs.
Ea.	Tool House & Shop	1	$ 75.00	$ 75.00
Ea.	Powder Magazine	1	25.00	25.00
Ea.	Exploder Magazine	1	15.00	15.00
TOTALS----------		3---------	$115.00--------	$115.00

Section 6-(g) MISCELLANEOUS EXPENSES.

Federal Payroll Taxes @ 2% of $ 8320.00 wages to employees	$166.40
Employers Liability Ins. (5 man crew 32 week period) Est.	$200.00
TOTALS----------	$366.40

Section 7-(b) EXPLINATION OF OPERATORS 25% PARTICIPATION IN PROJECT COSTS.

The operators (applicants) will furnish the $ 1800.00 cost for rental of heavy mining equipment as listed in Sect. 6-(d) above, all small hand tools and $ 998.85 of the total cost of labor and Supervision making a total contribution by the operators amounting to $ 2798.85 or 25% of the estimated cost of the project.

GENERAL SUMMARY OF PROJECT EXPENSES AND
THE GOVERNMENT & OPERATORS PARTICIPATION

TOTAL ESTIMATED COSTS OF PROJECT--(32 WEEK PERIOD)------	$ 11195.40
LESSEE'S SHARE OF ABOVE @ 25% OF ESTIMATED COSTS.--------	$ 2798.85
TOTAL AMOUNT OF LOAN SOLICITED FROM GOVERNMENT, 75%-----	$ 8396.55

Respectfully Submitted,

J. & B. Mining Company
Per. M E Burleson Mgr.

P.O. Box 26
Spruce Pine, North Carolina.

GEORGIA |
UPSON COUNTY |
_____|

RECEIVED
OCT - 2 1956

This contract made and entered into this 6th day of September, 1956 between (Miss) Bessilu Mauldin of UPSON COUNTY, GEORGIA, hereinafter referred to as the Lessor and L. M. Johnson, of COBB COUNTY, GEORGIA and M. E. Burleson, of SPRUCE PINE, NORTH CAROLINA doing business as J & B Mining Company, a partnership, hereinafter referred to as the Lessee,

W I T N E S S E T H :

That Lessor this day leases and grants to said Lessee the right to prospect for, mine and dig mica and other minerals for a period of ten (10) years from this date upon the following described lands, to-wit:

"Beginning at a point in the center of that landmark known as the 'Mauldin Mine' (said 'Mauldin Mine' being situated on property of Lessor more fully described hereafter) and extending outwardly a distance of six hundred (600) feet in a circle from said center point."

Said property to be mined is situated on the following described lands of Lessor.

"All of 140 acres more or less, being part of Land Lot 9 16th District of Upson County, Georgia, being recorded in Deed Book 95, page 25, on May 11, 1942, by and between T. H. Mauldin and Asheville Mica Company - in Town District of Upson County, bounded on the North by Public Road, on the East by W. Y. Daniel, on the South by W. Y. Daniel, on the West by lands of Buford Jones and Mrs. Mae Weaver."

"All of 44 acres, more or less, in 16th Town District, and recorded in Record Book 112, page 507, and bounded on the North and West by Claud Jones Estate, on the South by Public Road and on the East by lands of Mrs. Lula Hunt, all under date of February 24, 1949, from the R.F.C. (Reconstruction Finance Corporation), to (Miss) Bessilu Mauldin."

It is agreed the Lessee shall have the exclusive right, during the time this lease remains in force, to mine mica and other minerals on the above described land and may do anything necessary thereon to successfully mine mica and other minerals therefrom. However, Lessee covenants that they will not

interfere in any way with the houses and other improvements on said property or the crops or fences on the above described property; and shall they do so, they are to pay all damages caused by them.

The consideration to be paid Lessor by Lessee for the privilege of mining mica and other minerals on the above described lands is the sum of one-eighth (1/8) of the fair gross sales price of any and all mica and other minerals mined and/or sold therefrom; and Lessee covenants that when and if any mica and other minerals are mined and sold from said land, that within fifteen (15) days thereafter, Lessee will furnish Lessor a copy of the original sales invoice, showing the various amounts of the different grades of mica and other minerals, to whom sold, and the gross sales prices for which sold, and shall pay to Lessor one-eighth (1/8) of the fair gross sales price thereof. The depositing of such copy of such gross sales invoice and a check for one-eighth (1/8) thereof (which check shall thereafter be promptly paid upon presentation) in the U.S. Mails in an envelope properly addressed to Lessor, at Thomaston, Georgia, within fifteen (15) days after any such sale shall be a sufficient compliance with the above requirements. Should Lessee fail to comply with the above provisions as to furnishing any copy of any gross sales invoice and paying one-eighth (1/8) thereof within fifteen (15) days after such sale of mica or other mineral, Lessor shall have the right and option to cancel this contract, which right shall be cumulative of any and all other remedies which Lessor may have under the laws of Georgia.

Should Lessee fail to begin mining on the above described land within six (6) months hereafter, or after having begun mining should Lessee discontinue mining on said lands for as long as ninety (90) days, then, Lessor shall have the right and option to cancel this contract and take possession of the premises,

unless operations are stopped by some valid government regulation or by the elements or an act of God or by some act of man or men over which Lessee has no control.

Lessor gives and grants to Lessee, so long as this lease remains in force, the right of ingress and egress over the above described lands, having due regard to houses and other improvements on said lands and crops and fences.

It is understood and agreed that so long as this lease remains in force Lessee shall have the right, together with all other rights herein conferred, to mine for mica and other minerals by means of bull-dozer, drag lines and other earth moving operations, and also the right and privilege to construct and place buildings and machinery on said lands and to remove the same at any time during the term of this lease or within thirty (30) days thereafter; and also the right to dump the refuse and waste from any mining operations under this lease upon the lands covered by this lease. However, in so dumping such refuse and waste, Lessee shall use ordinary care not to unnecessarily injure the other lands covered by this lease.

It is understood and agreed between the parties hereto that should Lessee desire to sub-let this property or to sell lease, the written consent of Lessor must first be obtained.

As a part of the consideration for this lease it is understood and agreed between the parties hereto that all mining leases executed between (Miss) Bessilu Mauldin and L. M. Johnson on any or all of the above described properties are hereby revoked and declared null and void by mutual consent of the parties at interest therein.

In Witness Whereof, the parties hereto have executed this agreement in Quaduplicate originals, under their respective hands and seals, the day and year first above written.

Bessie Mauldin (SEAL)
Lessor

J & B Mining Company,
Lessee

By: L M Johnson (SEAL)

By: M. E. Burleson (SEAL)

Signed, sealed and delivered
in the presence of:

H Worsalter, N.P.
Notary Public, State of Georgia,
County of Upson.

Witness to the signature of
M. E. Burleson:

Signed, sealed and delivered
in the presence of:

Birdie English
Notary Public,
My Commission expires 1-18-57

GEORGIA: Upson County
Office of Clerk, Superior Court
Filed in Office SEP 12 1956
at 10:00 o'clock A M. and
recorded SEP 13 1956 in
Deed record 140 Page 302
[illegible] Clerk

Rough pen sketch of old works and proposed operation. 'Mauldin Mine' Upson County, Georgia.

Re: J. & B. Mining Company
c/o M.E. Burleson, Mgr.
P.O. Box 26,
Spruce Pine, N.C.

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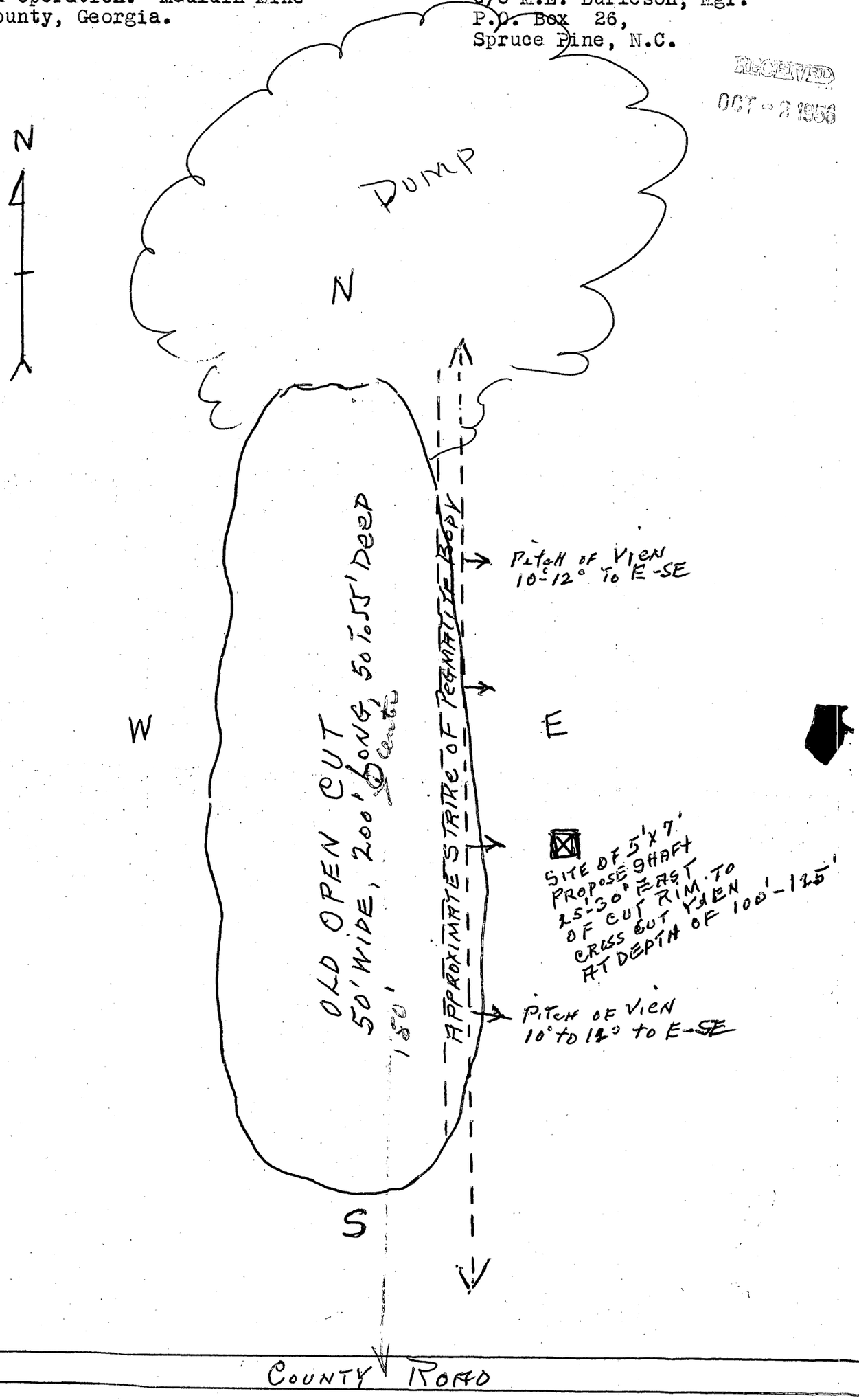

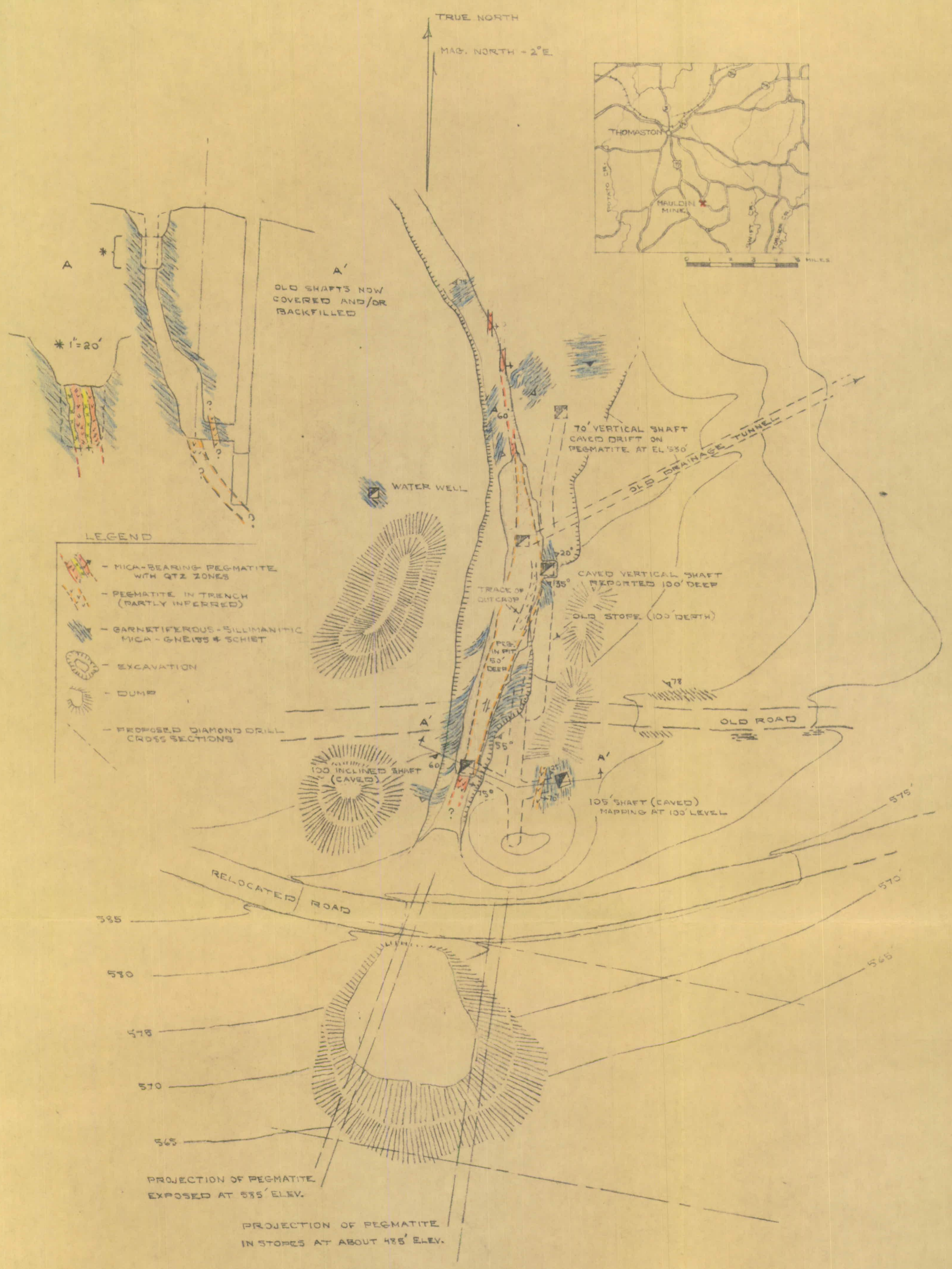

MAULDIN MINE
UPSON COUNTY GEORGIA

DMEA - 4487 (MICA)

J & B MINING CO.

CONTOUR INTERVAL 5'
(DATUM ASSUMED)

SCALE: 1" = 40'
0 10 20 30 40 50'

SCB 12/56

RECEIVED
JAN 18 1957
D.M.E.A.

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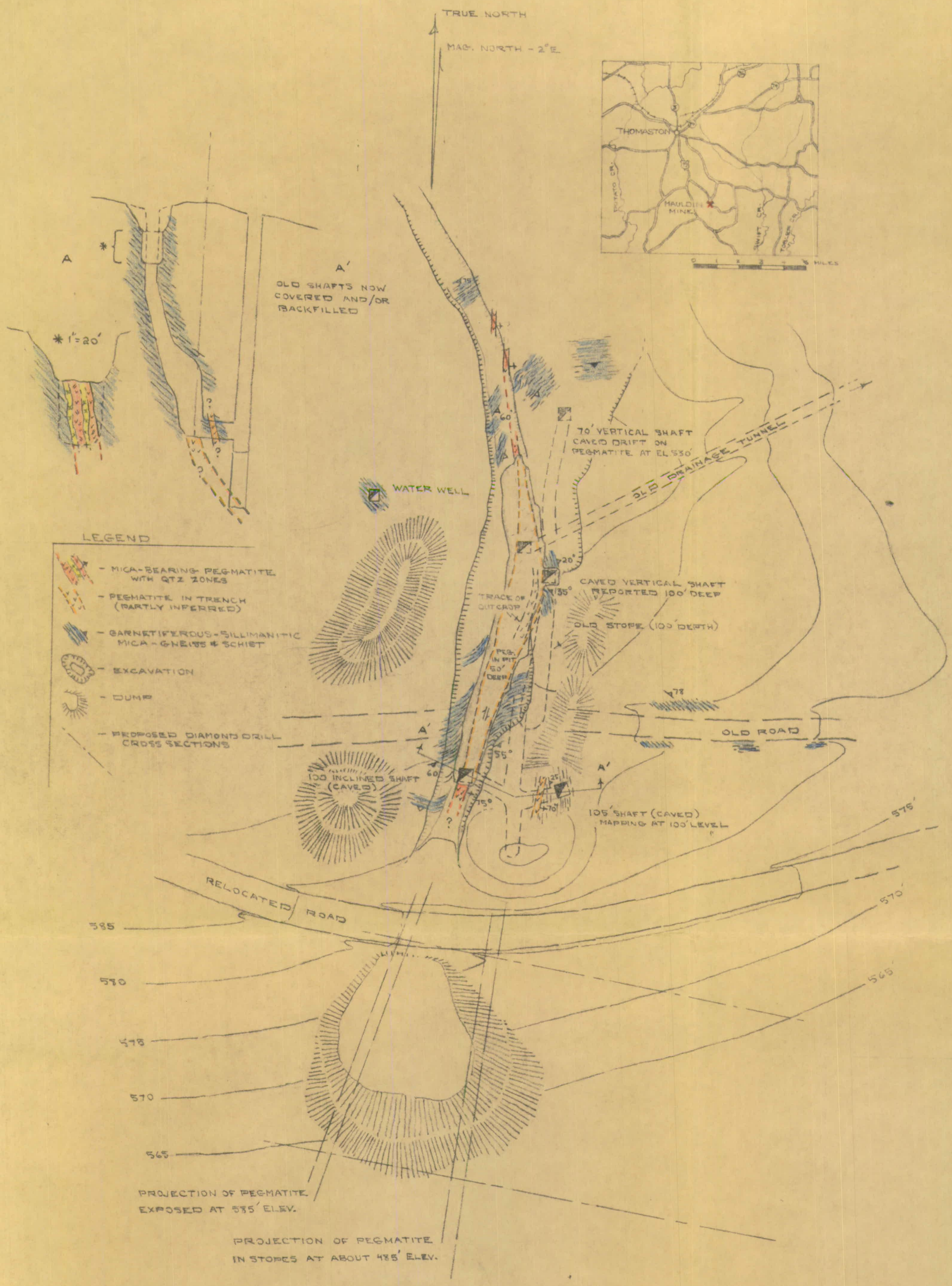

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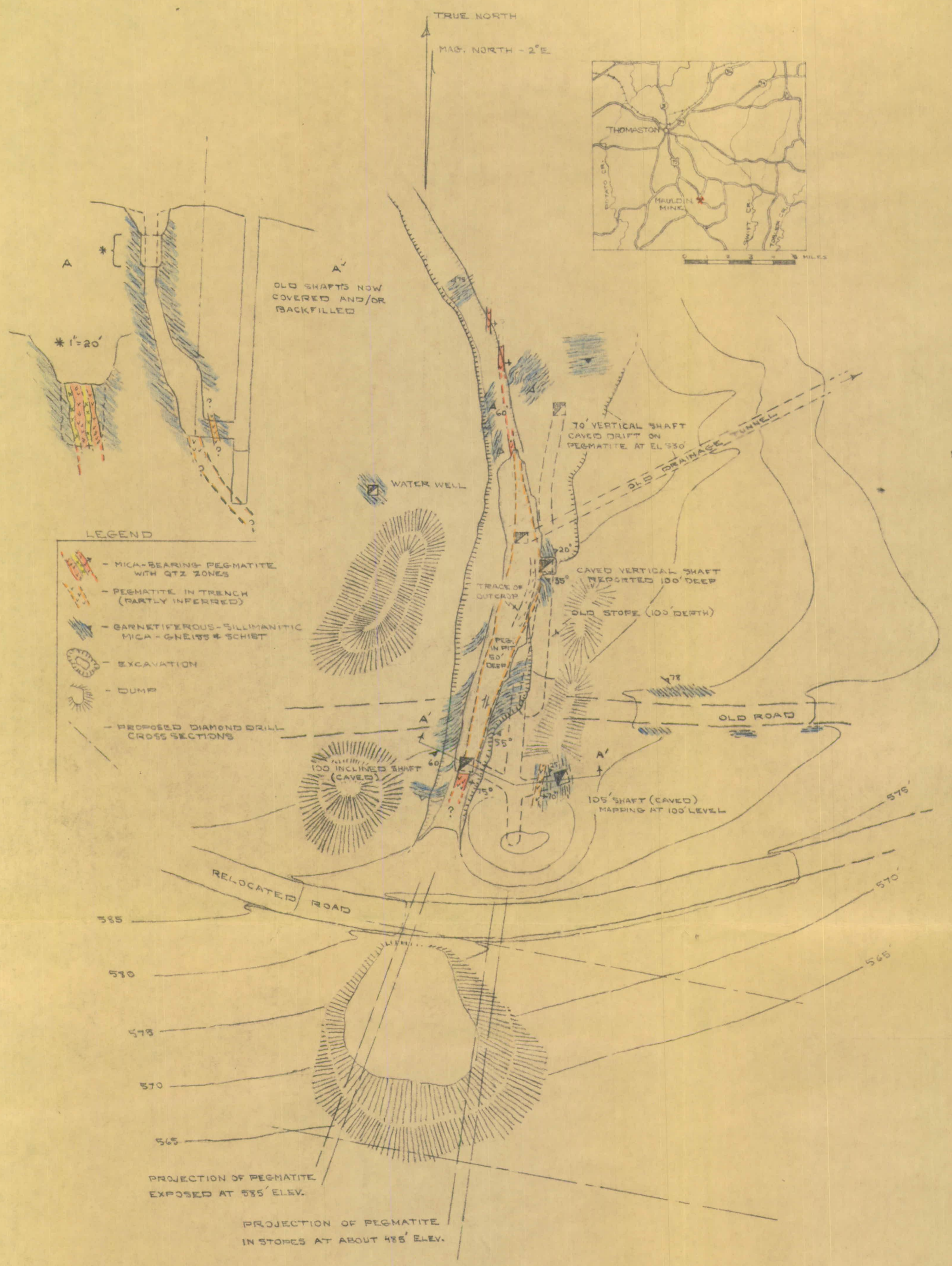

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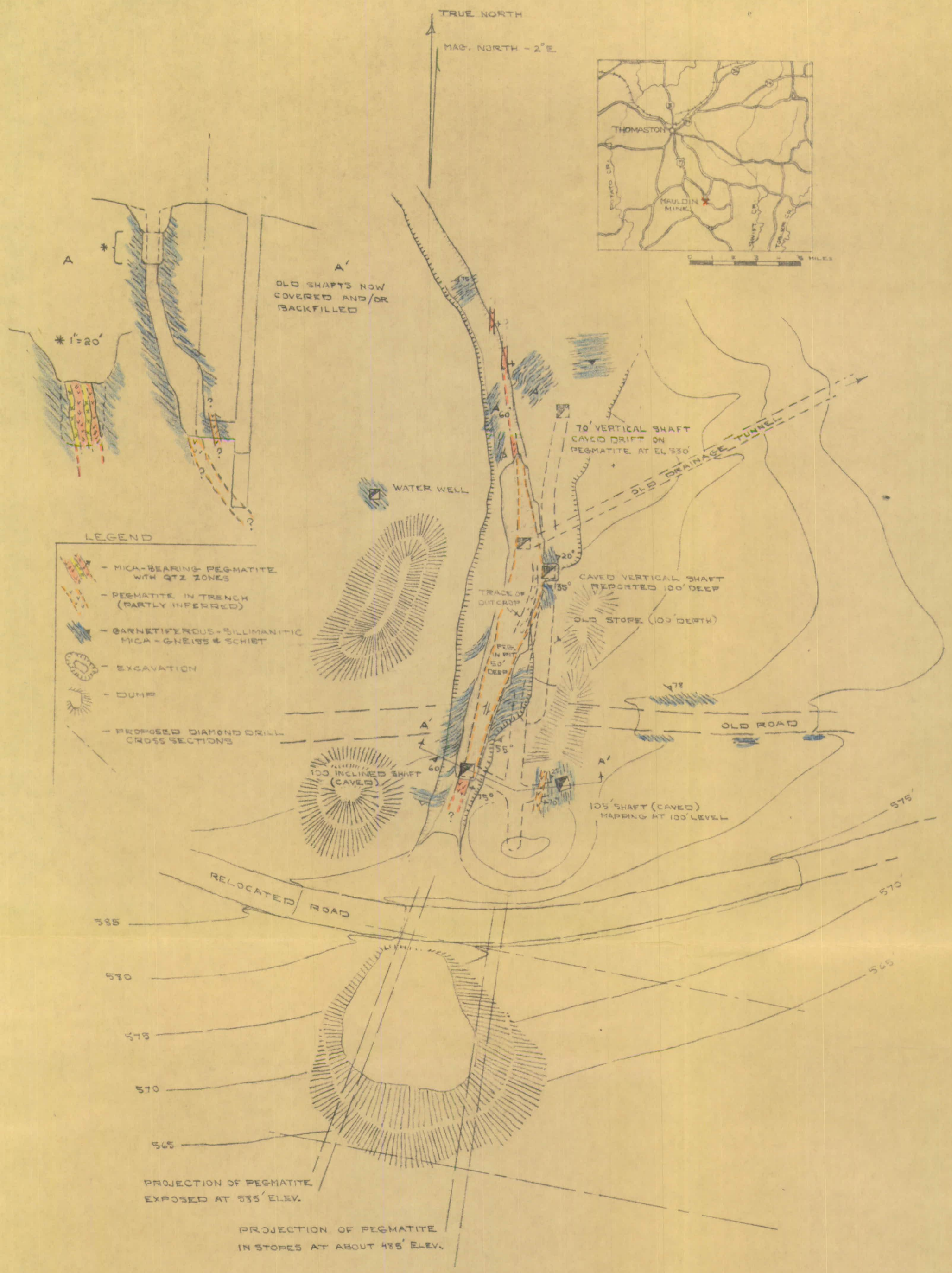

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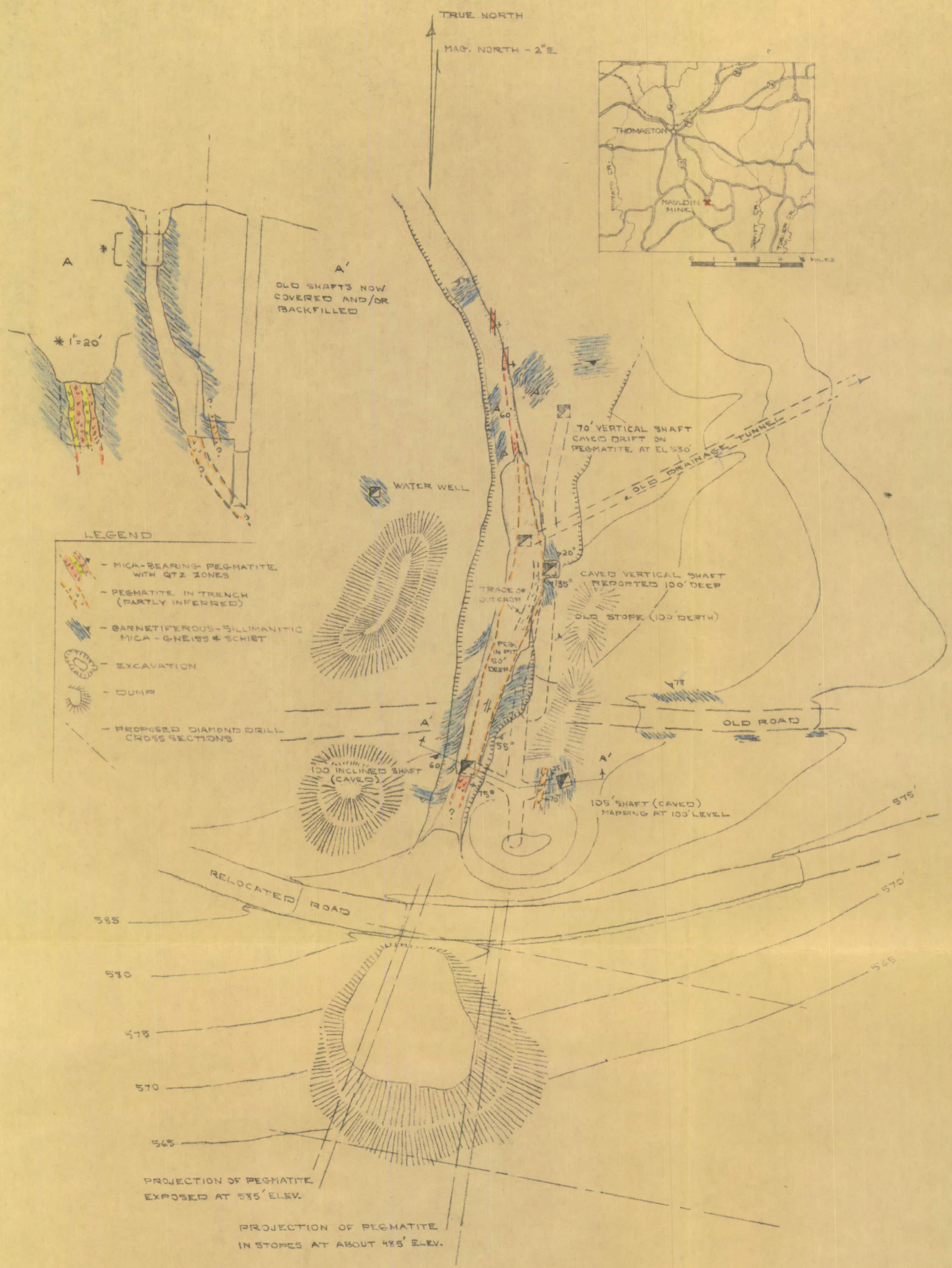

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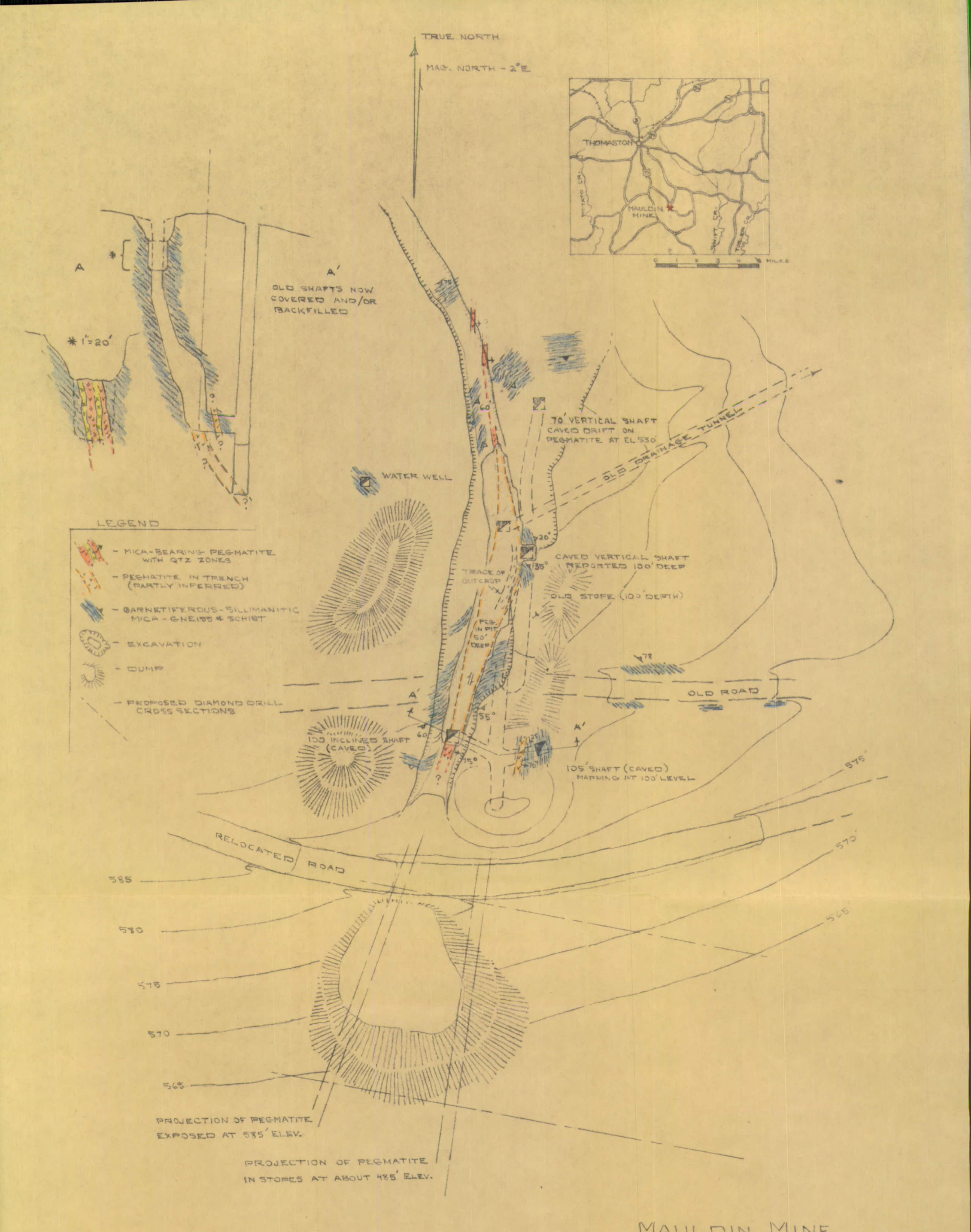

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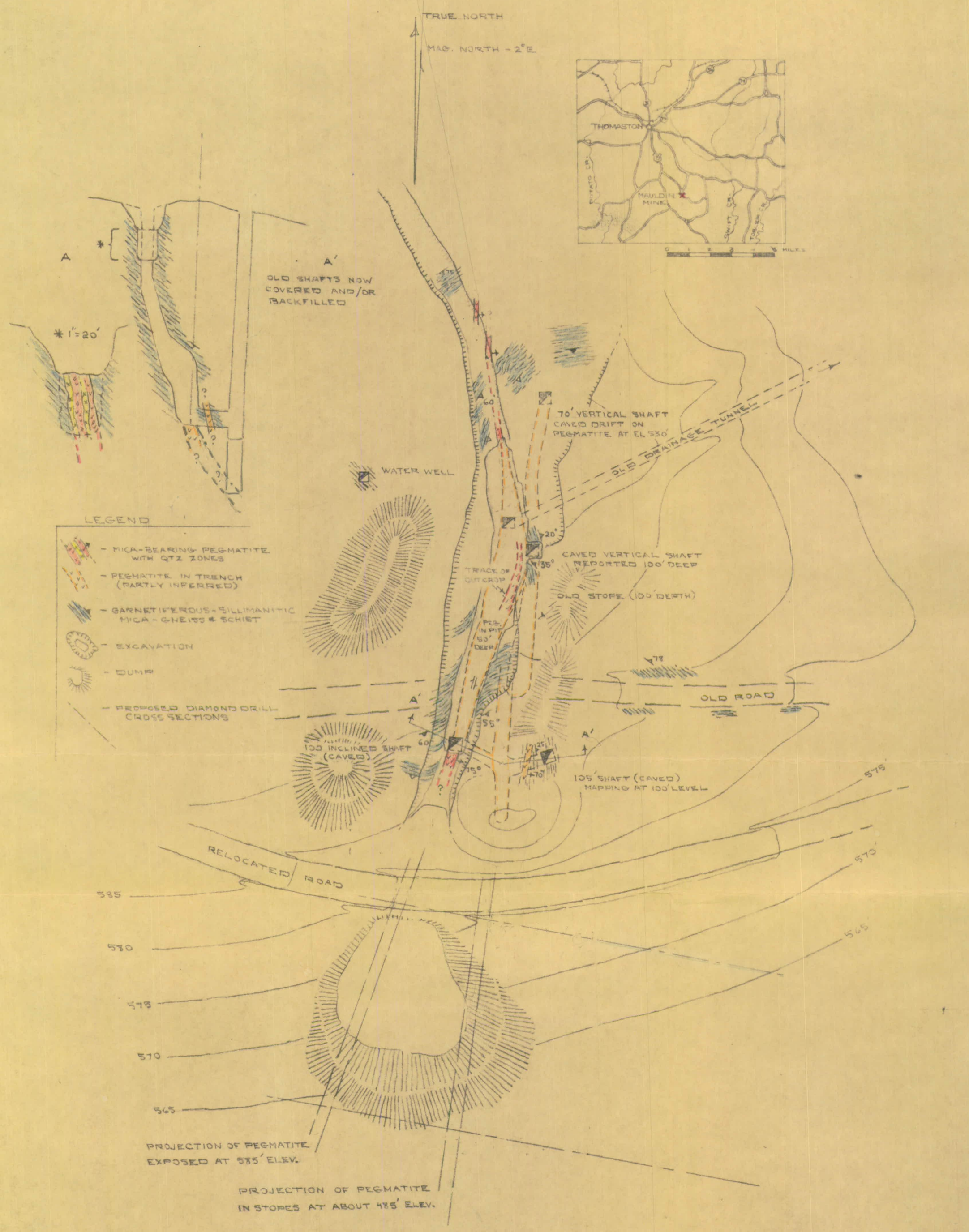

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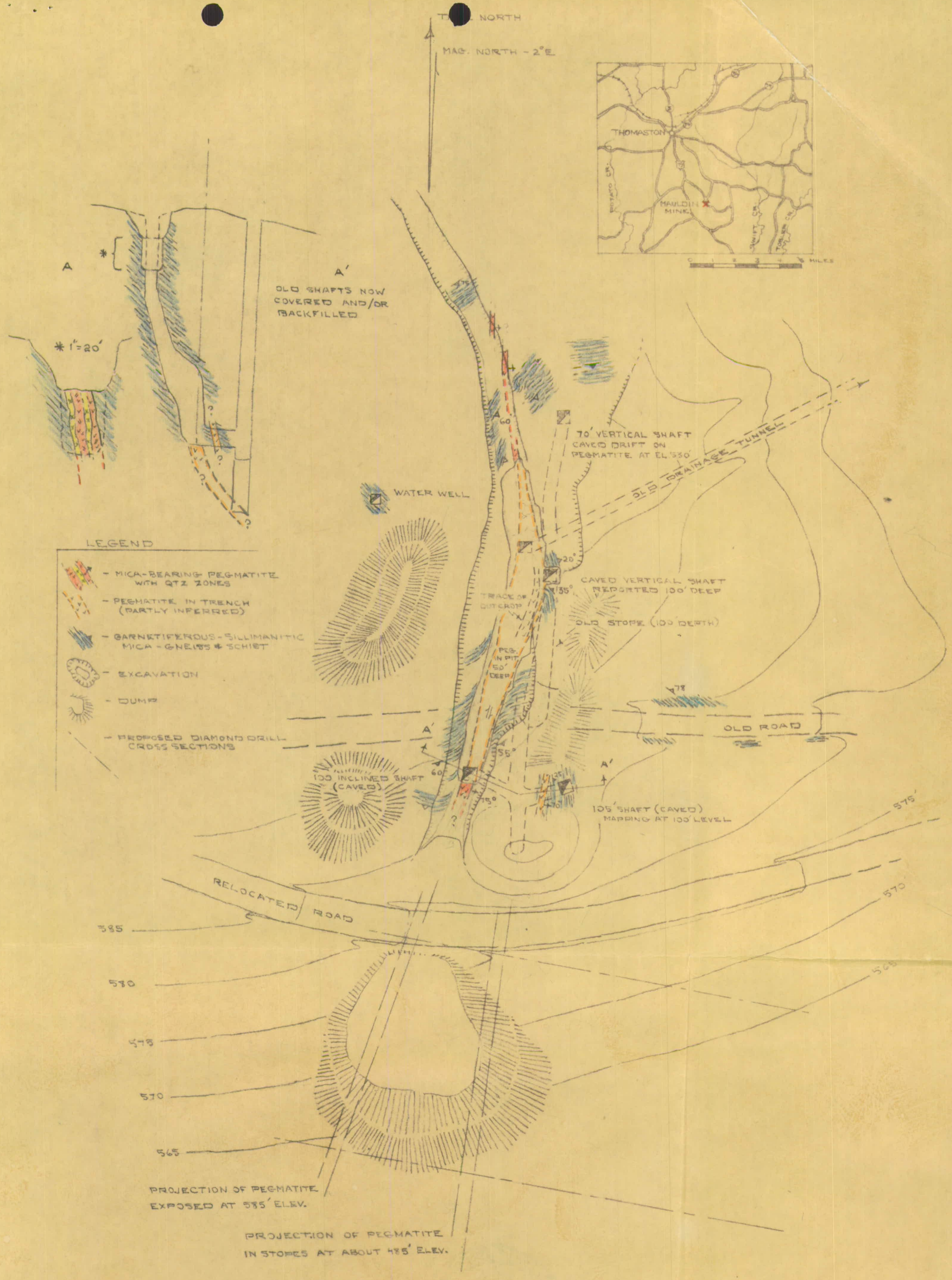

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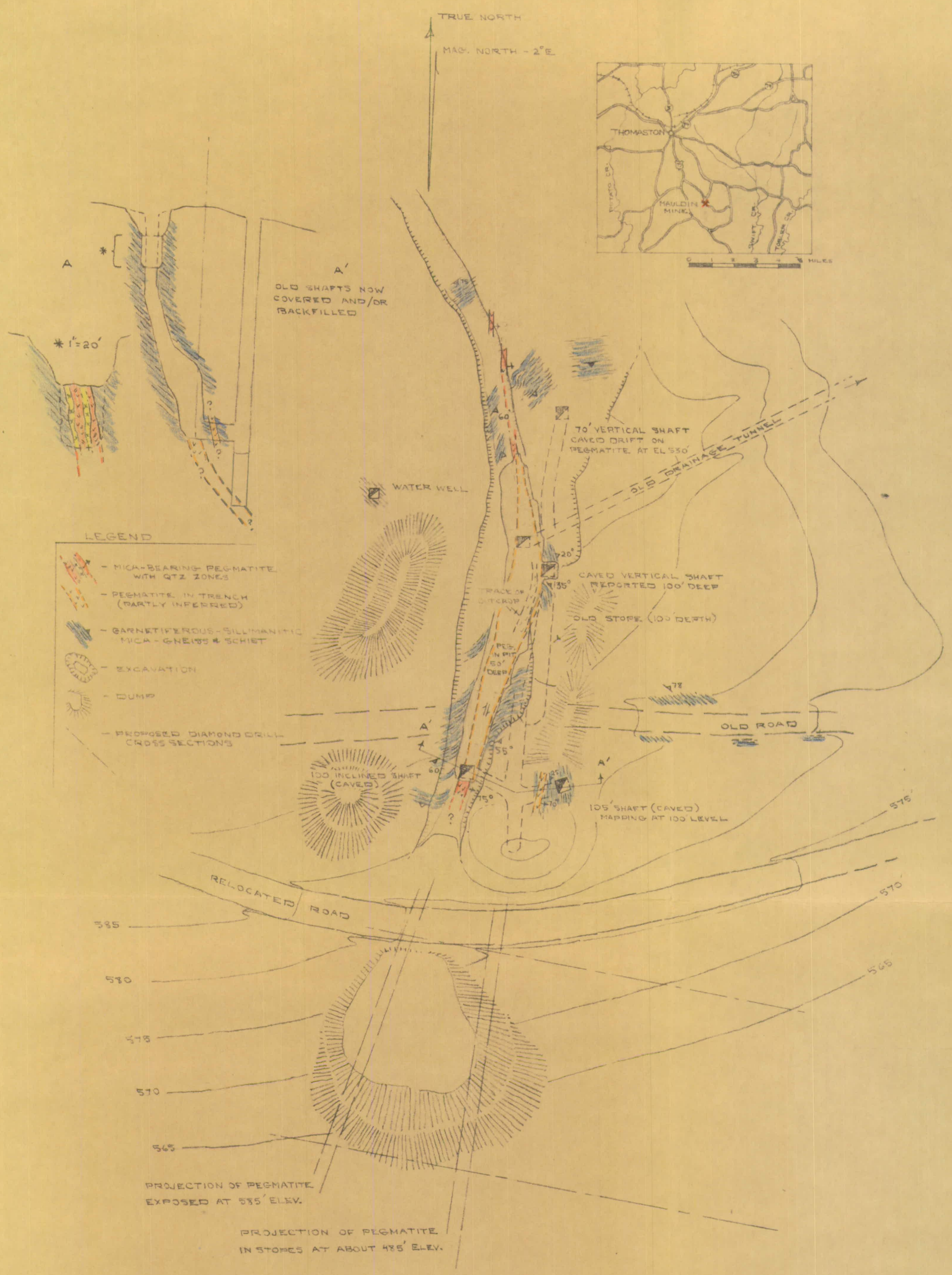

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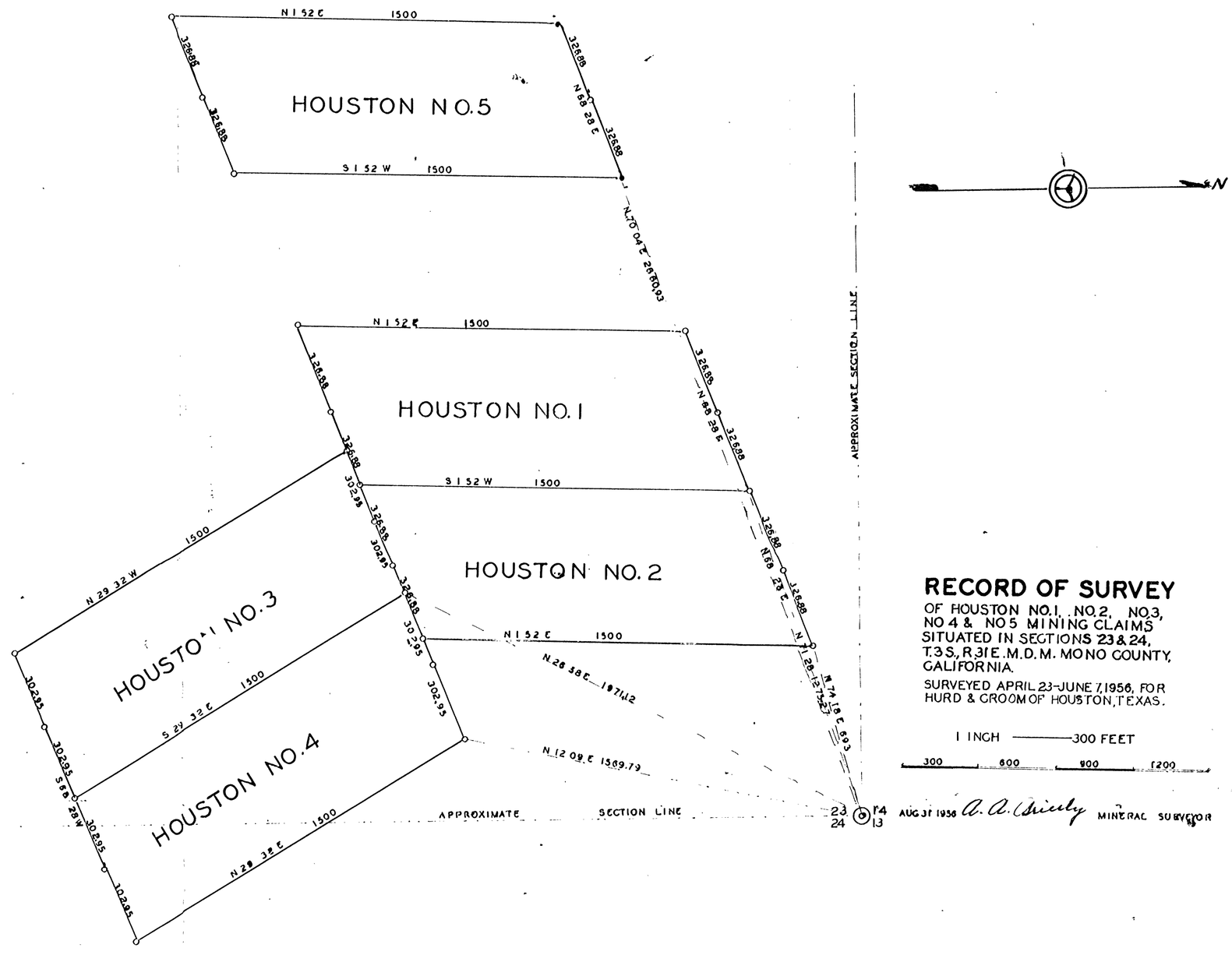


RECORD OF SURVEY

OF HOUSTON NO.1, NO.2, NO.3, NO.4 & NO.5 MINING CLAIMS SITUATED IN SECTIONS 23 & 24, T.3S., R.31E. M.D.M. MONO COUNTY, CALIFORNIA.

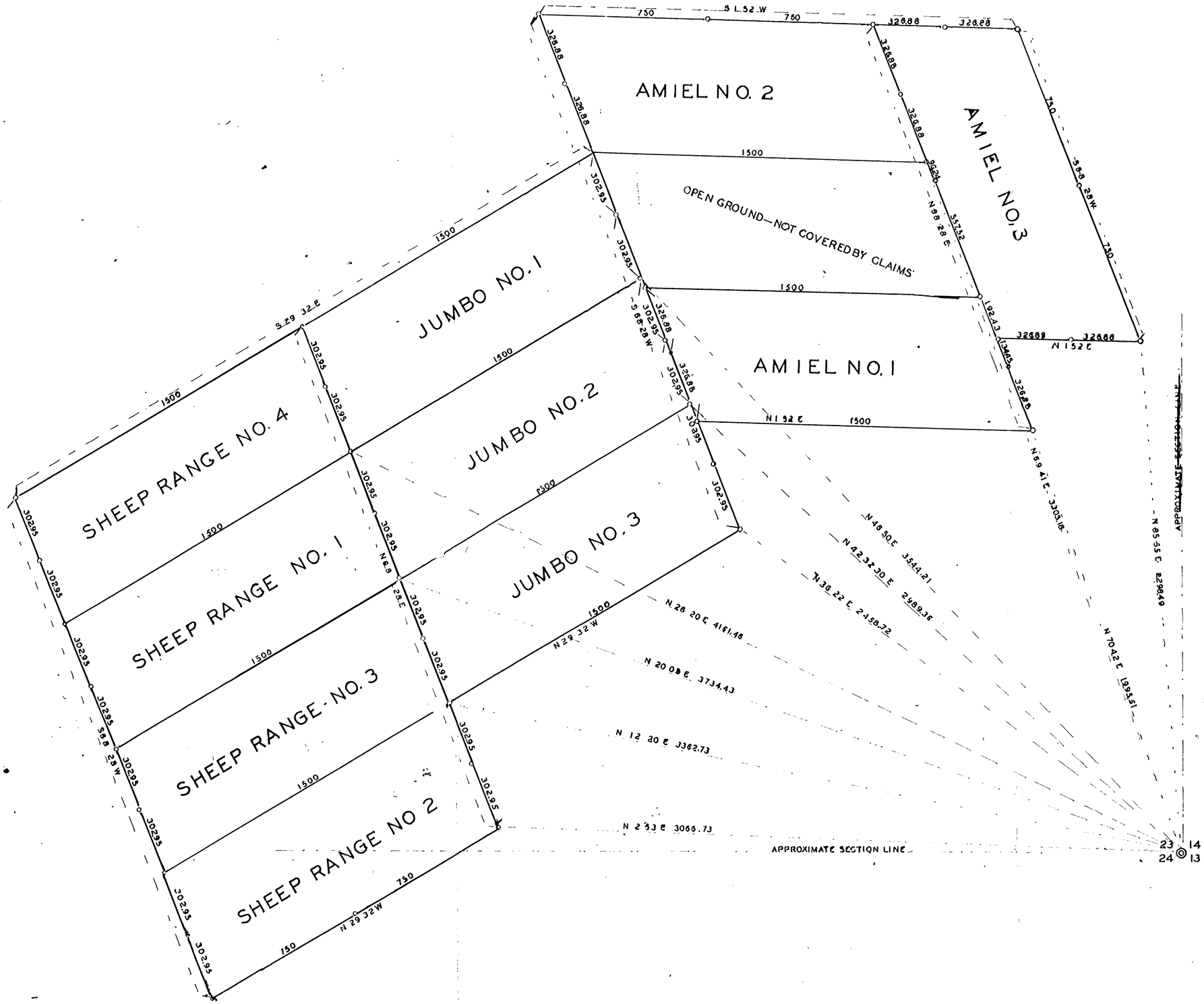
SURVEYED APRIL 23-JUNE 7, 1956, FOR HURD & CROOM OF HOUSTON, TEXAS.

1 INCH ——— 300 FEET

300 600 900 1200

23 24 T4 13

AUG 31 1956 A. A. Shirley MINERAL SURVEYOR



RECORD OF SURVEY

OF SAM MORRIS GROUP OF MINING CLAIMS: AMIEL NO.1, NO.2, & NO.3. JUMBO: NO.1, NO.2, NO.3. AND SHEEP RANGE; NO.1, NO.2, NO.3, & NO.4.

SITUATED IN SECTIONS 23 AND 24 T.3 S. R 31 E., M.D.M., MONO COUNTY, CALIFORNIA

SURVEYED APRIL 21 TO JUNE 7 1956 FOR HURD & GROOM OF HOUSTON, TEXAS.

1 INCH —— 300 FEET

300 600 900 1200

AUG 30 1956 A. A. Brierly MINERAL SURVEYOR