

RECONNAISSANCE REPORT

KNOB HILL MINE

Ruby Mountains, Elko County, Nevada

Township 31 N., Range 58 E., Section 32

J. McLaren Forbes
J. McLaren Forbes
September 25, 1974

file

KNOB HILL MINE
Ruby Mountains, Elko County, Nevada

The Knob Hill mine was visited on the afternoon of September 11 and all day of September 12, 1974, in the company of Phil and Ken Zehrist of Las Vegas, Nevada.

The purpose of this examination was to see just what should be done in the way of preliminary exploration work on this prospect. The time on the property was spent in becoming familiar with the area, mapping the few workings on Knob Hill, the lower adit, and tying them together by means of a brunton and tape survey. There was no time to do a detailed geological mapping.

This report is based on observations made during my visit to the property, as well as data from a report by Mr. Leland A. Walker, dated August 26, 1949, and several unsigned maps. There is no way of positively identifying these maps. They may be portions of Mr. Walker's maps, as well as maps from a Defense Minerals Exploration report of about 1950. The Office of Mineral Exploration of the U.S. Geological Survey, in Menlo Park, California, has some data regarding the Long Canyon Mine, Elko County, Nevada, filed under docket 766.

The maps accompanying this report are compiled from the maps made during my examination, as well as data obtained from Walker's report and the miscellaneous maps.

Pertinent excerpts from Mr. Walker's report of August 26, 1949, are as follows:

"Near the middle width of siliceous-limestone of Knob Hill claim (present workings), a strong vein of six to twelve foot width is being developed. N.W. and S.E. Dip is southerly on 35° to 45°. Mineralization mainly sulfide lead with iron. This vein has been exposed over a length of about 400' end to a depth of 40'. Strength and continuity good.

"From No. 1 incline, vein was followed down a distance of better than 40' with drifting on vein south-east and north-west for over 200'. An incline raise was driven to surface from north-west heading. This development has shown vein strength continuous over a length of approximately 200' with minable ore widths varying from two to ten feet. Ore is still unmined in floor of drift and in places in backs. Development also has shown strong mineralization from No. 2

incline and drifting.

"Also numerous cuts and shallow excavations elsewhere on property have been given attention...

"Two to three 50 ton shipments of crude ore possible in incline near surface." (Note: Phil Zehrist says that during the past year or so three cars of ore have been shipped from the surface, and that each car is reported to have been valued at about \$9,000.00.)

It appears that the oldtimers mined the oxidized sheared and siliceous central portion of the vein. This part of the vein was more than likely enriched in gold and silver. They must have left the surrounding sulfides, although they may have been mainly galena, because these ores were not economical to mine at that time.

Since Walker's report, considerable work has been done on the property. The three cars of ore noted above have been mined, probably as a salvage of relatively high-grade galena left around the old workings. This work has disturbed the outcrop end of the workings described by Walker, only the No. 2 incline can be positively identified. The lower adit, 1065 feet in length, has been driven, about 450 feet below the Knob Hill outcrop workings, to cut the vein, and has not reached its target. The lower adit would have to be extended at least 274' if the vein dips 60°, and 790' if the dip is 30°. A +45° drill hole from the face of the adit to explore for the vein, above the adit level, would have to be from 300' to 500' in length, again depending on the dip of the vein. (See attached 1' = 200' section through portal and face of adit.)

Considering the amount of recent work done around the old workings, it does not appear that it would be feasible to open them up at this time. Such work might result in a small production from a salvage operation, but would certainly give little or no information that might be useful in future development of the mine.

The future potential of Knob Hill depends on the continuity of the vein, at depth or laterally. From the extent and the probable depth of the overburden surrounding the outcrop area of Knob Hill, it is doubtful if extensive bulldozer trenching would be really helpful at this time. Such work might extend the known outcrop length, but would not be indicative of the overall grade, as any exposures would more than likely be oxidized and leached, and not give a good representation of the primary ore at depth.

Two short surface diamond drill holes would show if the vein was continuing down dip, its grade, the presence of old workings, and the type of ore to be expected, whether sulfide, oxide, or mixed.

RECOMMENDATIONS

1. Explore the Knob Hill vein, down dip, by two diamond drill holes, from the same drill site, 150' southwest of the present outcrop, as shown on the accompanying map and section.

Proposed drill hole No. 1 will bear north 30° east and be inclined -60° to the northeast. Its depth will be 200'.

Proposed drill hole No. 2 will be a vertical hole from the same site as drill hole No. 1. It will be 300' in depth. The total drill footage will be 500'.

Drilling costs should be about \$12.00 a foot. The overall cost, which would include drilling, mobilization and demobilization, supervision, core logging, and assaying would be in the neighborhood of \$15 per foot for a total of about \$7,500.00.

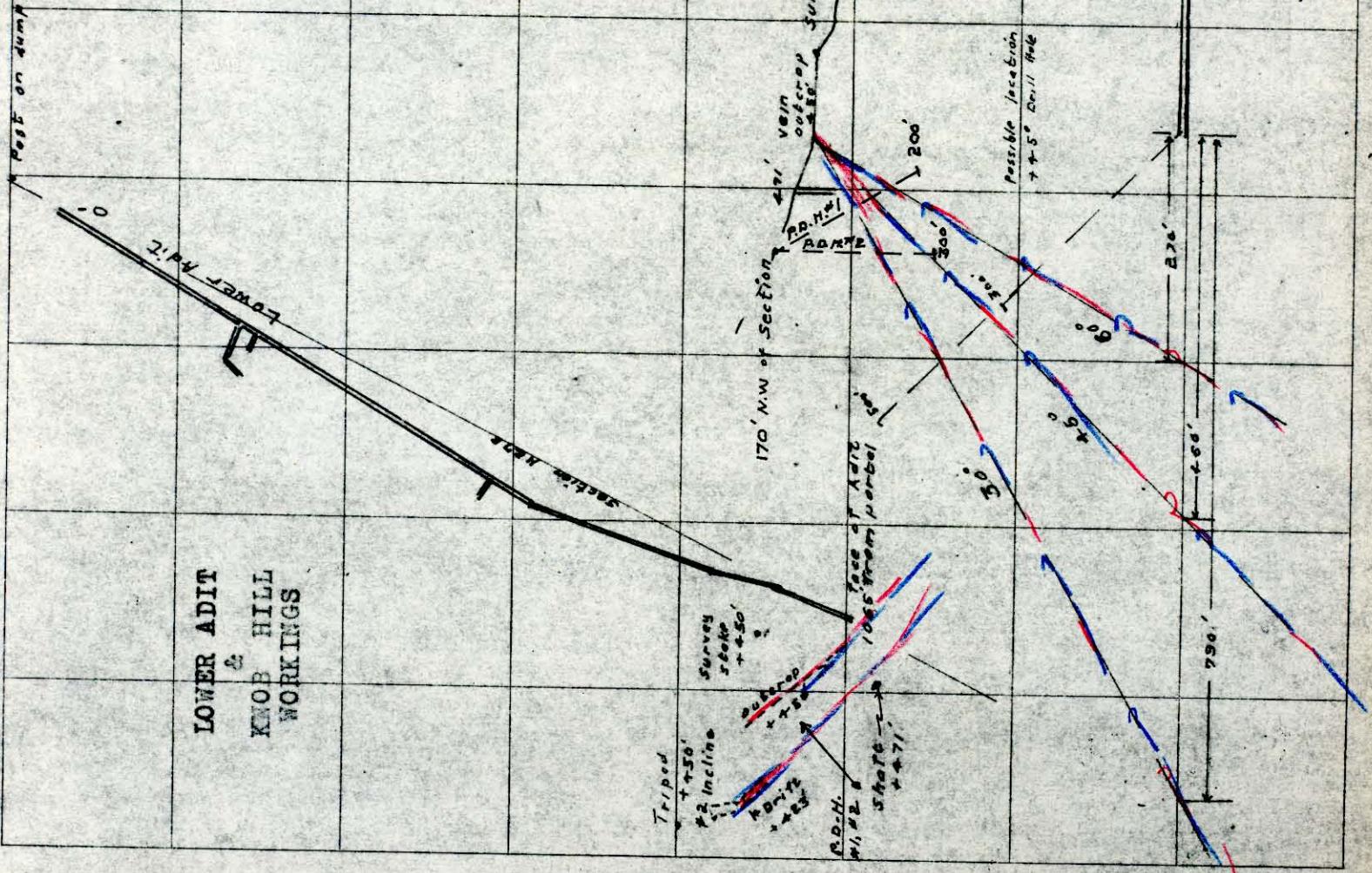
2. After holes No. 1 and No. 2 are completed, a decision can be made as to whether further drilling is justified, either from the surface or from the face of the lower adit. If the mineralization encountered by these drill holes is very poor, the project should be re-evaluated and possibly even dropped.

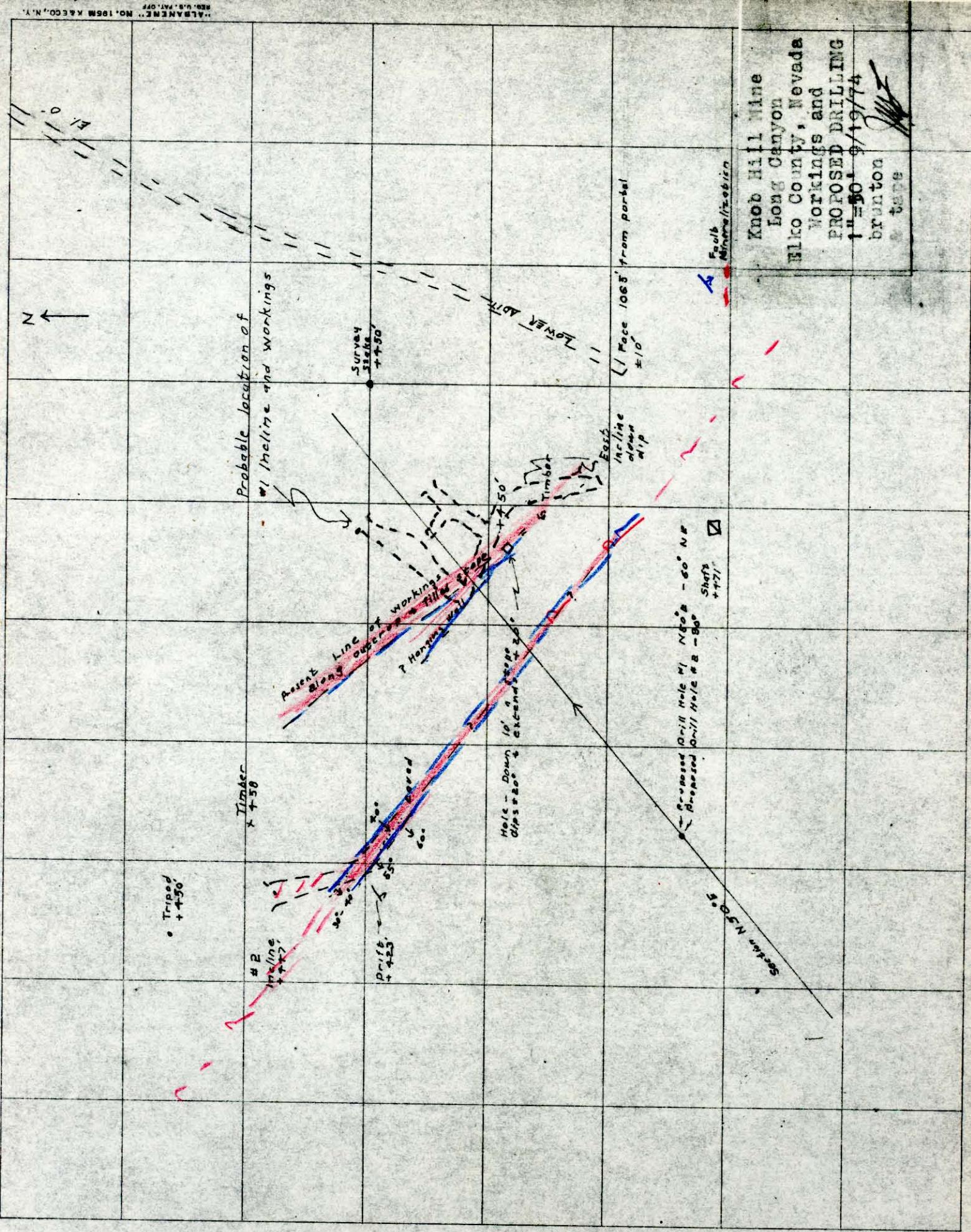
LOWER ADIT
&
KNOB HILL
WORKINGS

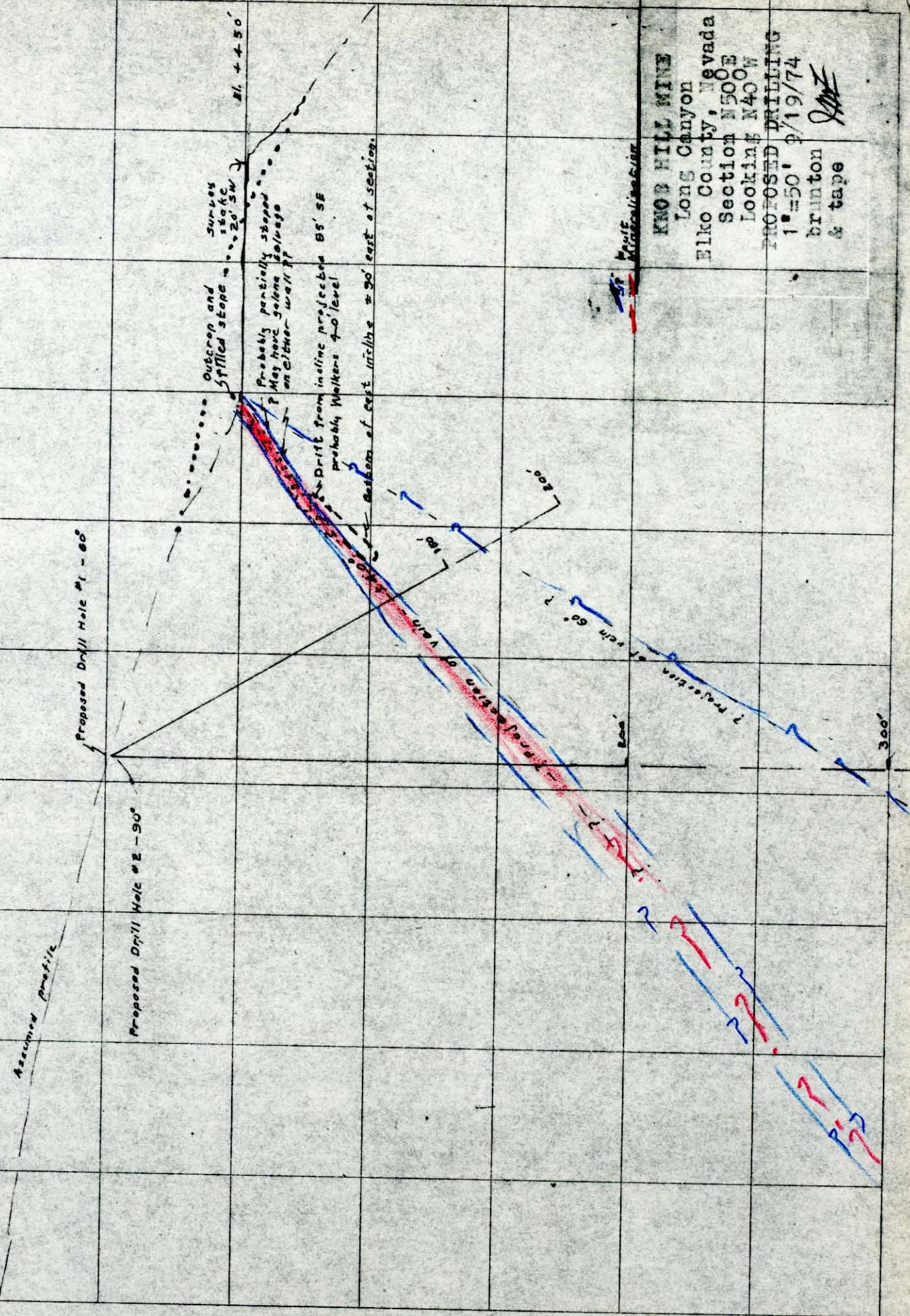
KNOB HILL MINE
Long Canyon
Elko County, Nevada
Section N 27 E
Looking N 63° W

Through portal and
face of Lower Adit
1" = 200 ft 9/10/74
brunton ✓
& tape

2







Dan Grock

Dak Caldwell

Phil, Ken, & George Zorbo's

Bob Mendenhall

January 17, 1975

Mr. Phil Zobrist
c/o Mr. Ice
612 South Main
Las Vegas, Nevada 89104 or 2

Dear Mr Zobrist:

Sorry to have delayed in getting your maps back to you.
I hope that ~~yyughatangothben~~ needing them.

Yours truly,

J. McLaren Forbes

January 27, 1975

Mr. Don Grock
Nevada Paving
1770 Industrial Rd.
Las Vegas, NV 89102

I am mailing, tto Phil Zobrist, the maps that he gave me of the Knob Hill ares. Included among the maps is the blown up topo sheet that has claims drwn on it, I believe this is the map you told me, during our telephone cpnversation on about November 12th, that you wanted back.

I hope that my dealy in returning thses maps has caused you no inconveneience.

Yours truly,

J. McLaren Forbes

September 26, 1974

Mr. Phil Zobrist
612 South Main
Las Vegas, Nevada 89104
or 89102

Dear Phil:

I sent you my report on the Knob Hill mine, air mail, yesterday afternoon. You should have them this morning, I hope.

I enjoyed working with you and Ken and was pleased to make your acquaintance. I do expect to be in Las Vegas the first part of the week of October 6th. and hope to see you then. (

It might be, that when I am in Las Vegas, I could go over the data you have in your files, regarding the mines on Long Canyon that I could glean some useful information from them.

I mentioned having a client who might be interested in helping on a project such as yours. He may also be at the American Mining Congress, if you would like to talk with him.

Yours truly,

J. McLaren Forbes

Don Grock have not met

Phil, Ken, & Gerry Zobrist

Dale Caldwell ?? ← the expert??

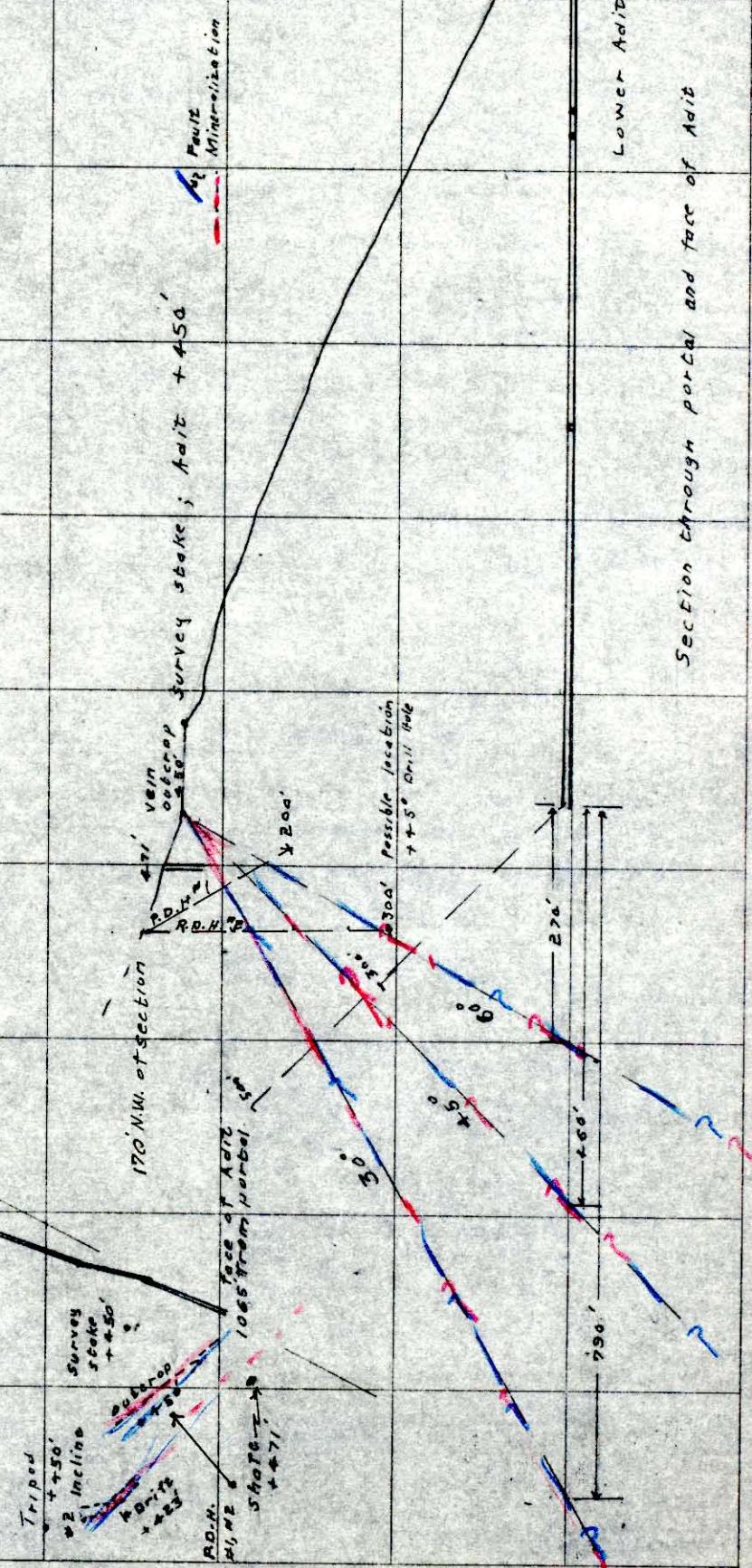
Bob Mendenhall

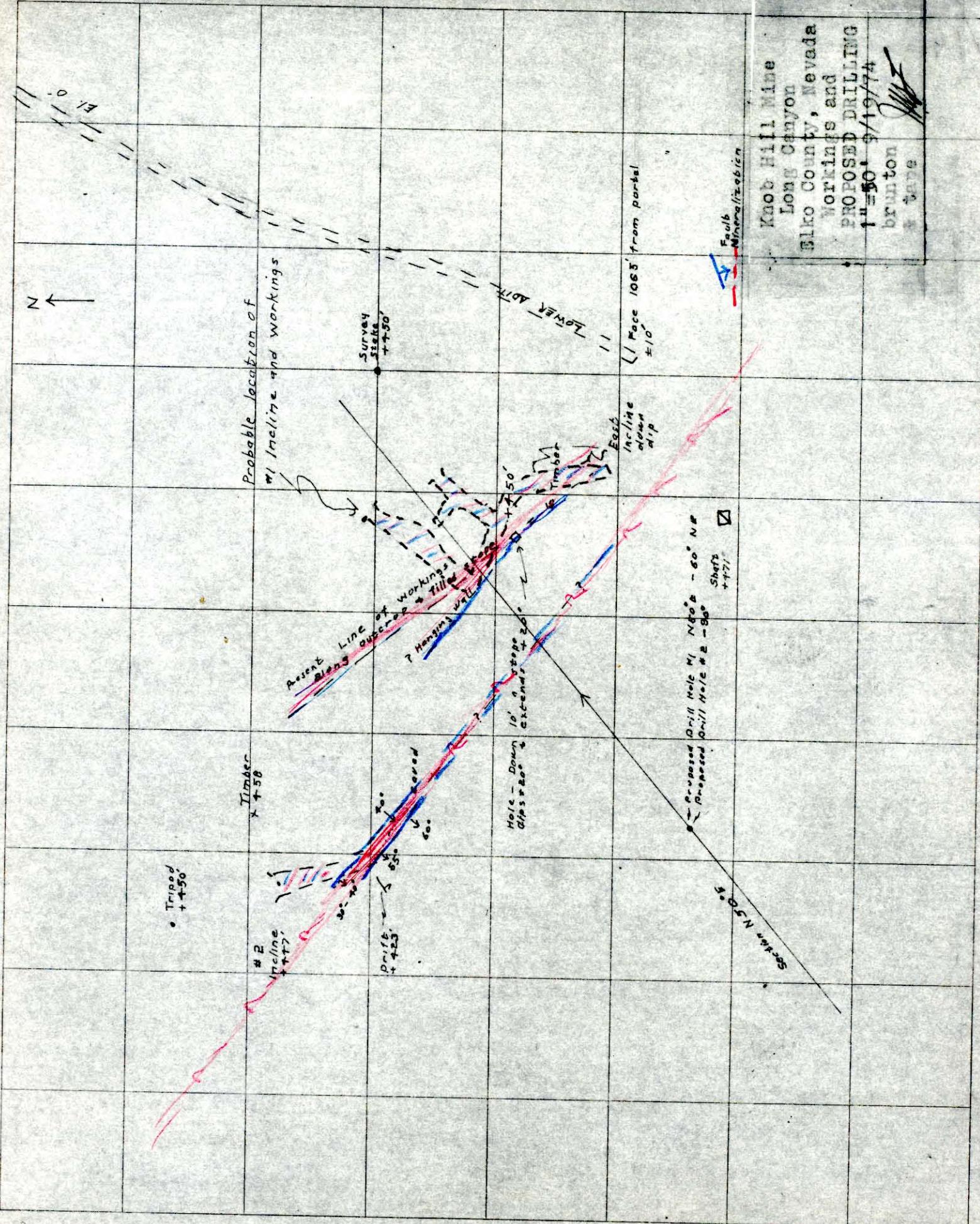
dump no 280d

LOWER ADIT
&
**KNOB HILL
WORKINGS**

KNOB HILL MINE
Long Canyon
Elko County, Nevada
Section 12704

Through portal and
face of Lower Adit
1" - 20D 3/19/74
brunton
& tape





Assumed profile

Proposed Drill Hole #1 - 60°

Proposed Drill Hole #2 - 90°

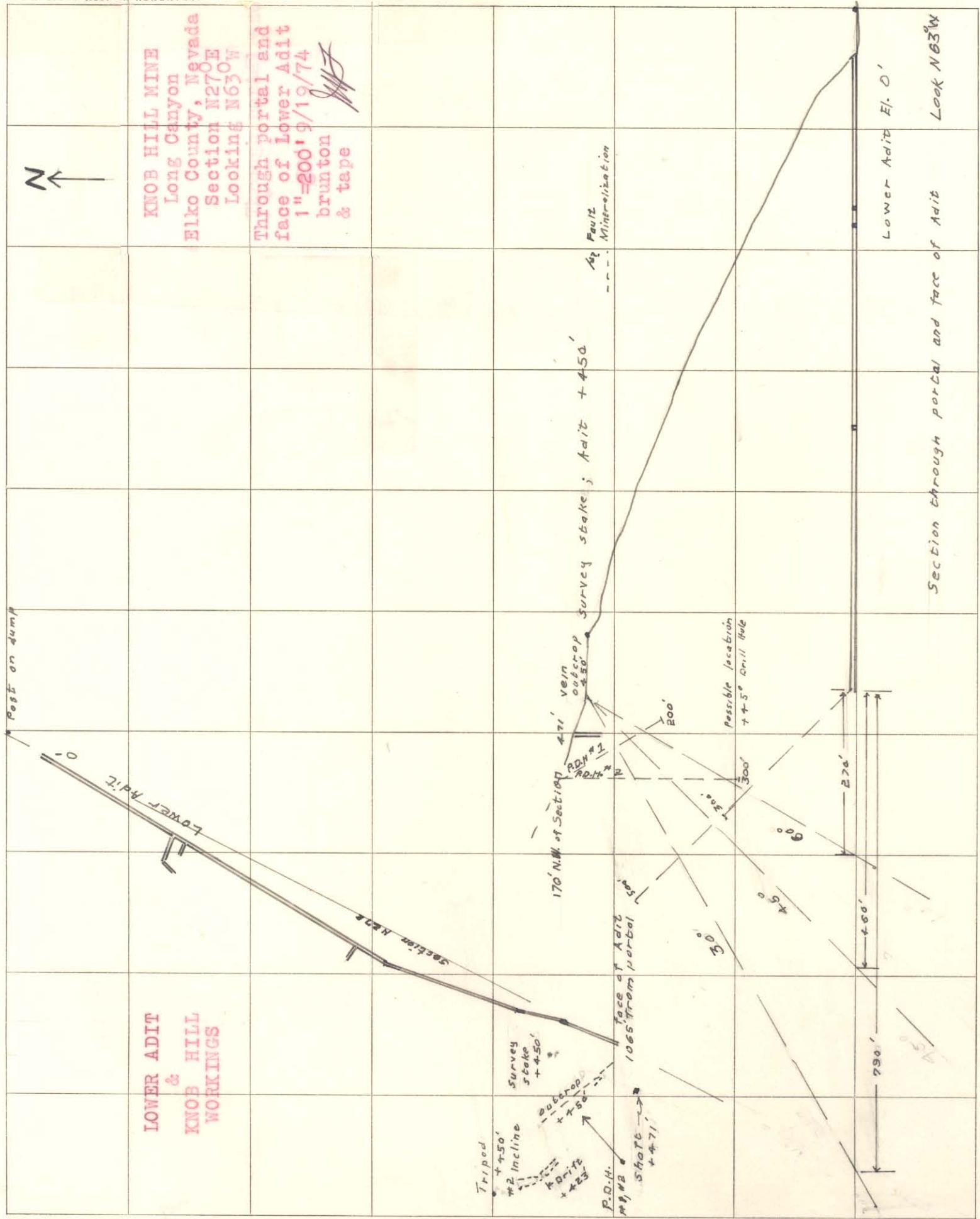
Outcrop and
filled stone -
Survey
stroke
20' SW
El. + 450'

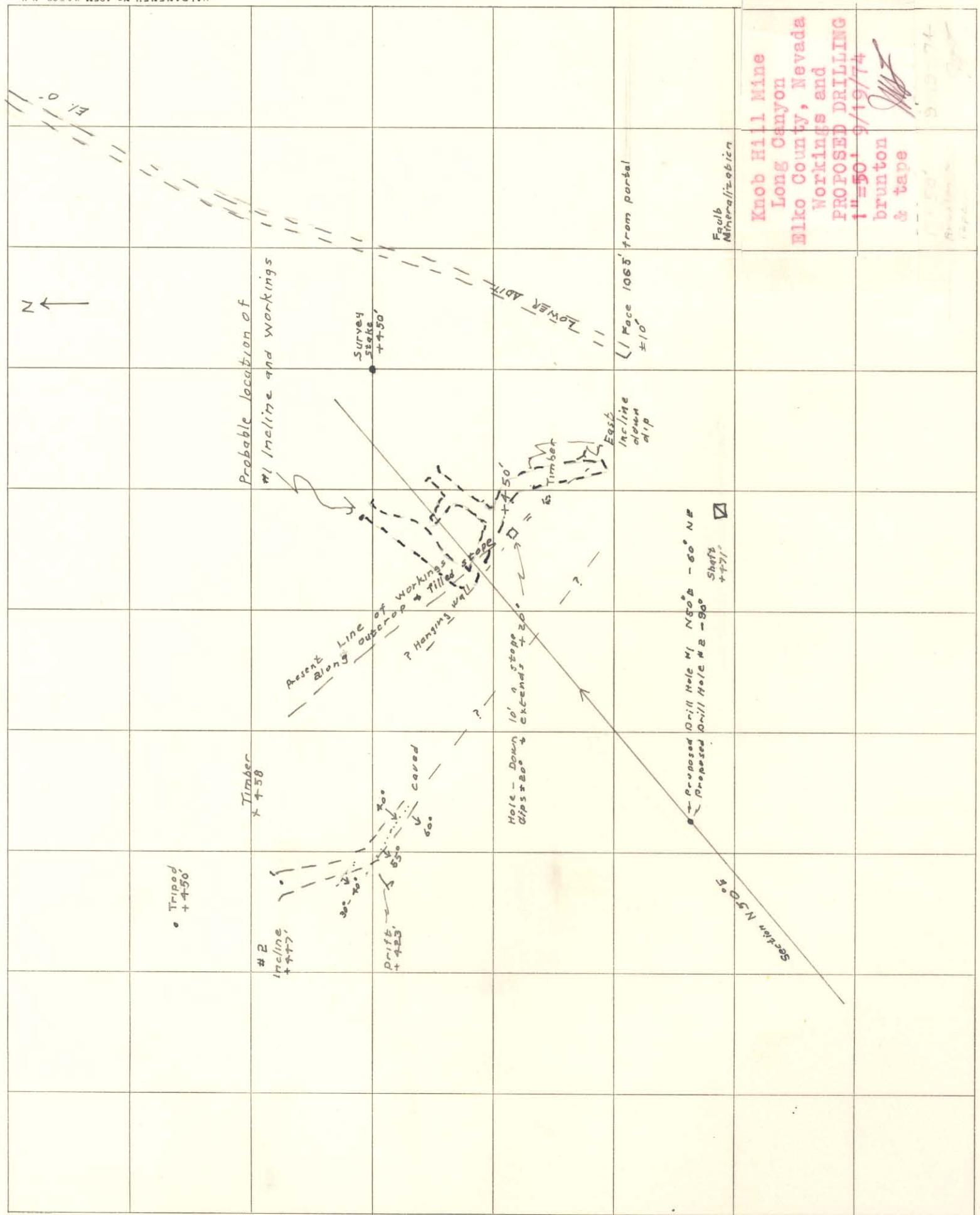
Probably partially stepped
May have Galena Galvea
on either wall pp

Dip from incline projection 85° SE
probably Walkers 4-0 level

Bottom of east incline ± 90' east of section.

KNOB HILL WINE
Long Canyon, Nevada
Section N50E
Looking N40W
PROPOSED DRILLING
1 ± 50' 2/19/74
brunton
& tape





Proposed Drill Hole #1 - 60°

Proposed Drill Hole #2 - 90°

Auxiliary profile

Outcrop and surface
filled slope 20' SW
El. + 450'

Probably partially steeped
? May have galena galena
on either wall?

Drift from incline projected 85' SE
probably Walkers
#0 level

Bottom of east incline ± 90' east of section.

Fault
Mineralization

KNOB HILL MINE
Long Canyon
Elko County, Nevada
Section N50E
Looking N40W
PROPOSED DRILLING
1 = 50' 9/19/74
brunton & tape

ELKO COUNTY, NEVADA
9-19-74

KNOB HILL

Burro Mine
11-50-
9-19-74

Survey
Station
+450'

11-1068 from portal

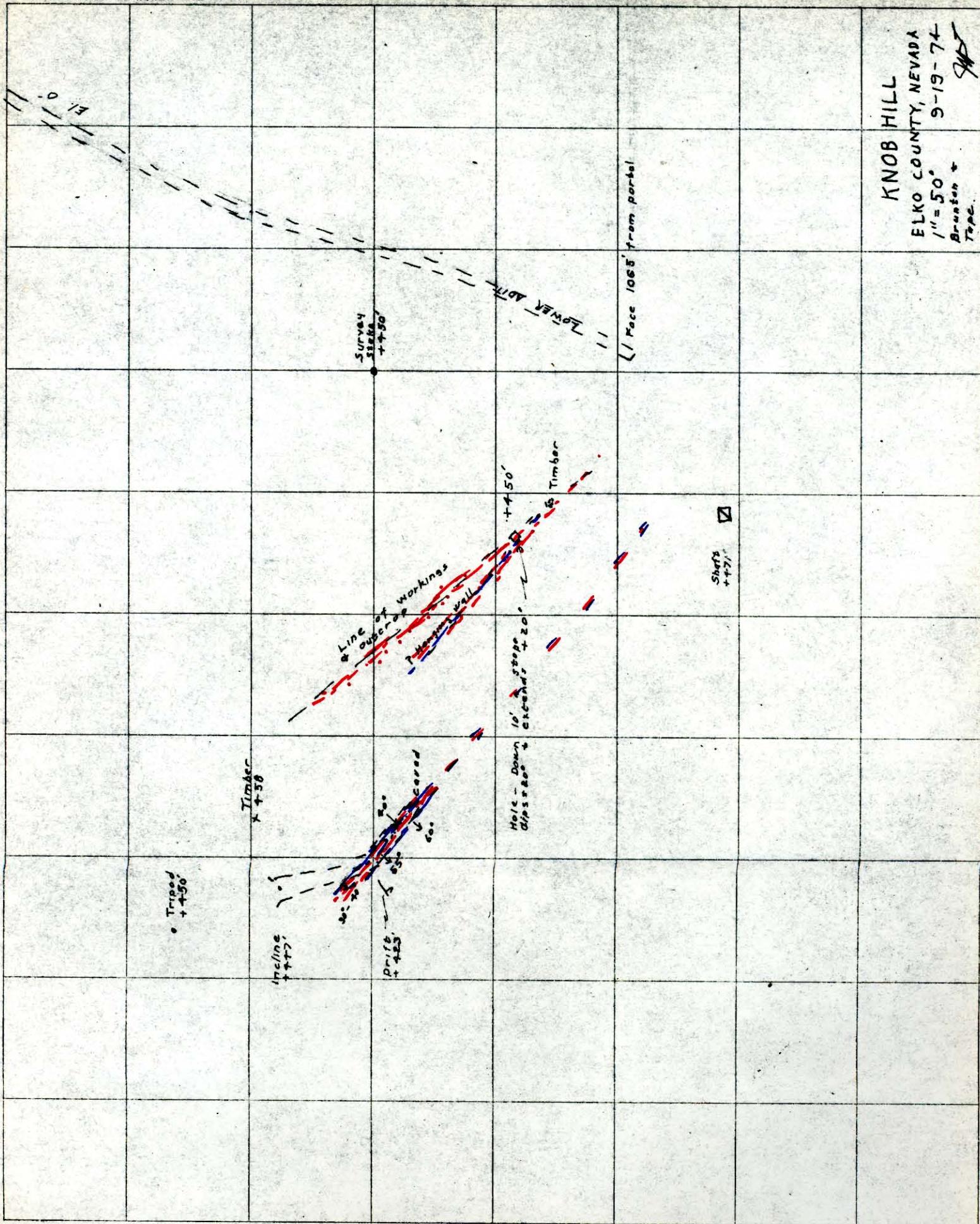
11-1068
+450'
Survey Station

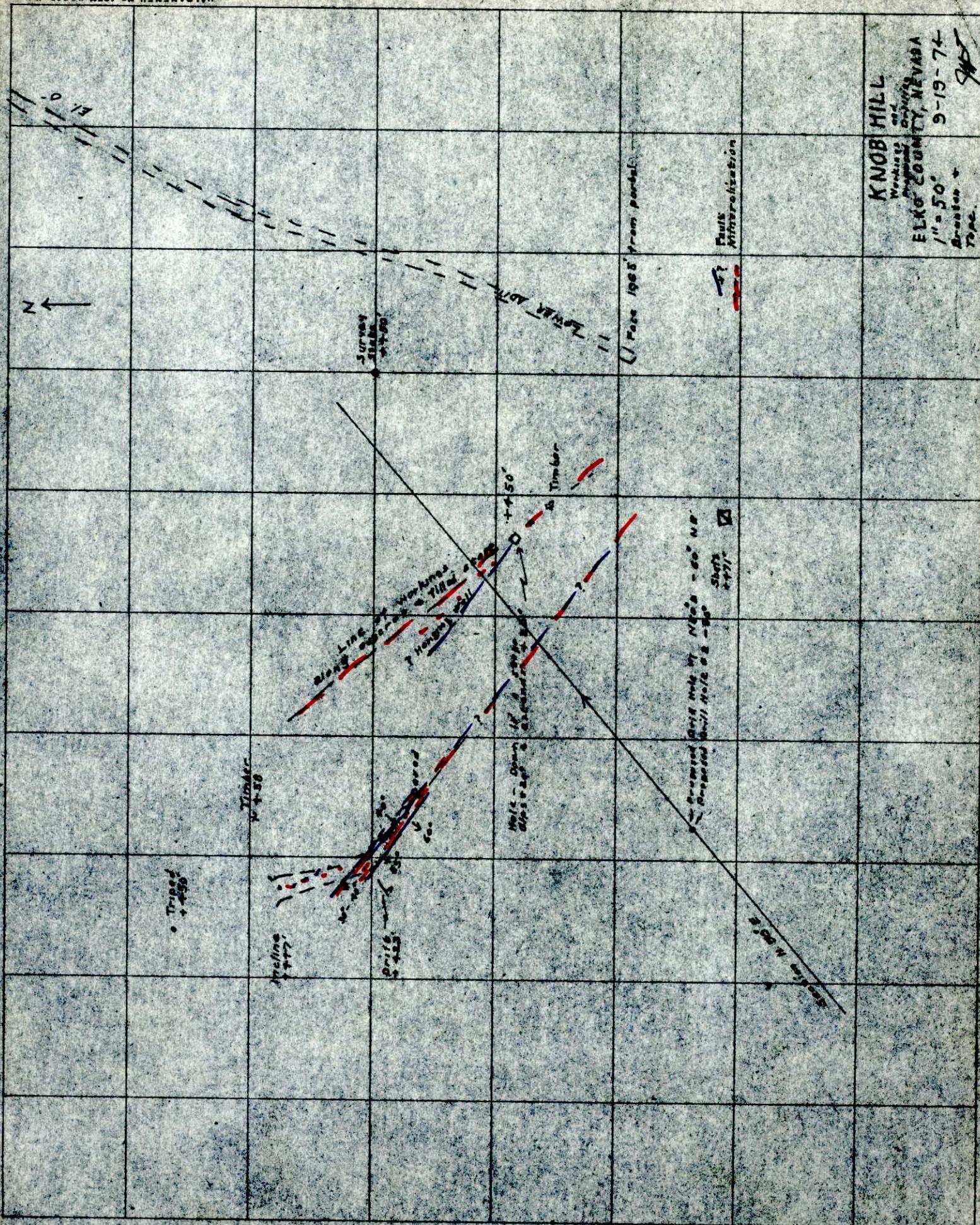
Survey
Station
+450'

Line of working
2. Hanging wall
Dip +25°

Timber
+450'

Timber
+450'





KNOB HILL
Elko County, Nevada
9-19-74
J.W.

Line 100' from road

Right of
Rivertown Rd

House - down hill
Opposite corner

House and Mill House - do - do - do
Opposite corner

Survey
sites

+450

House - up hill

+450

Timber

+450

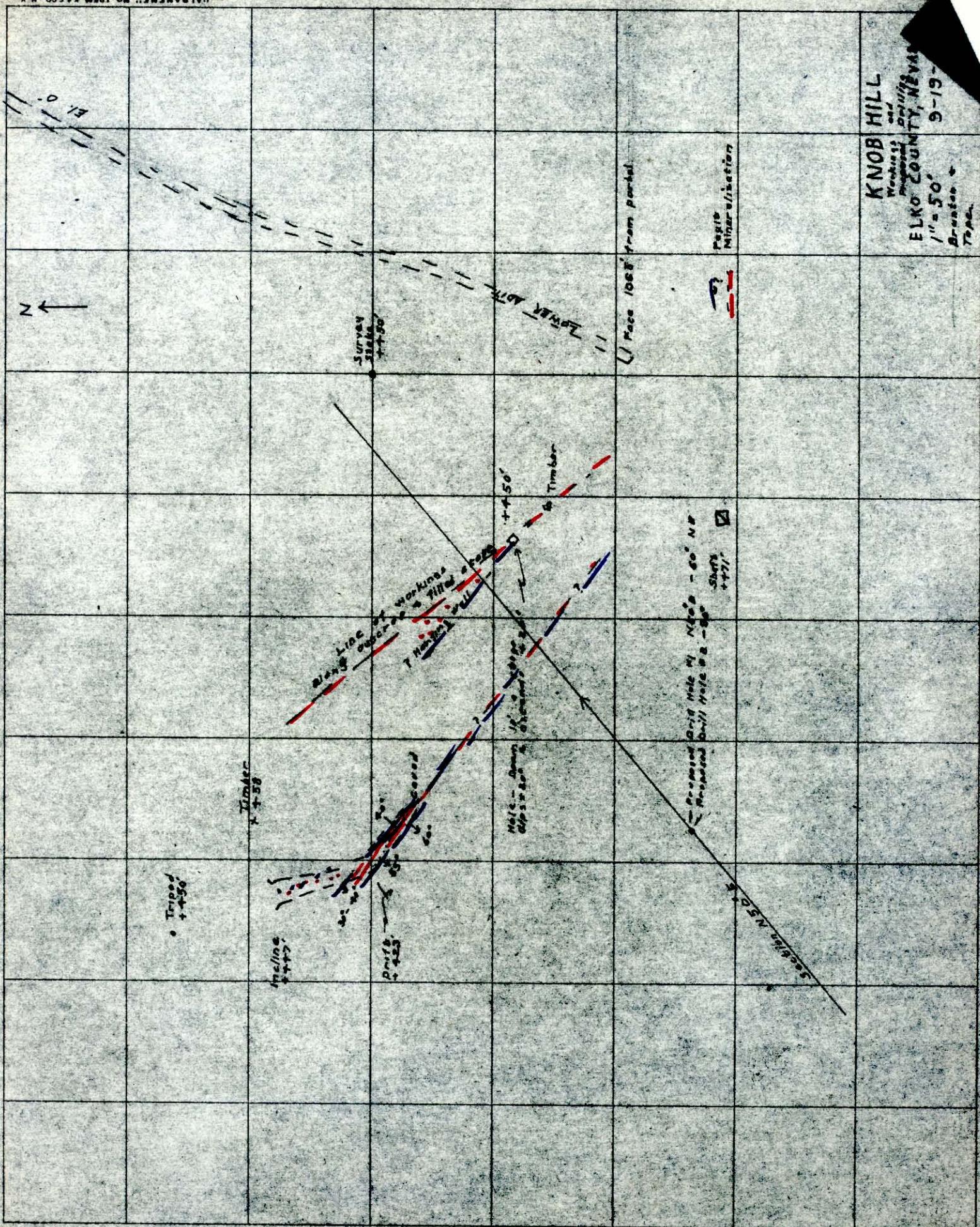
Along Line of workings
Timber Hill

+450

Trig
+450

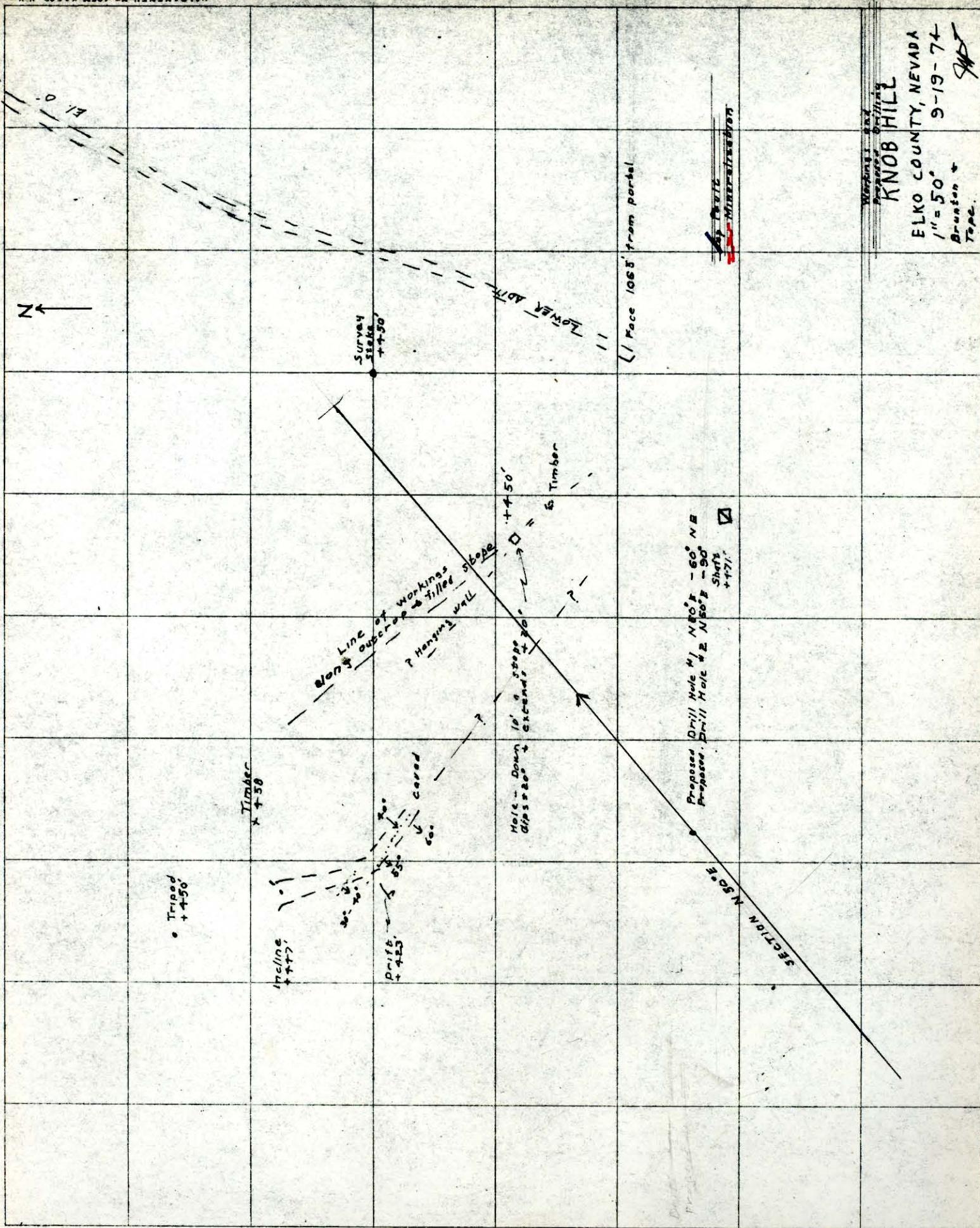
Timber
+450

Survey
sites
+450

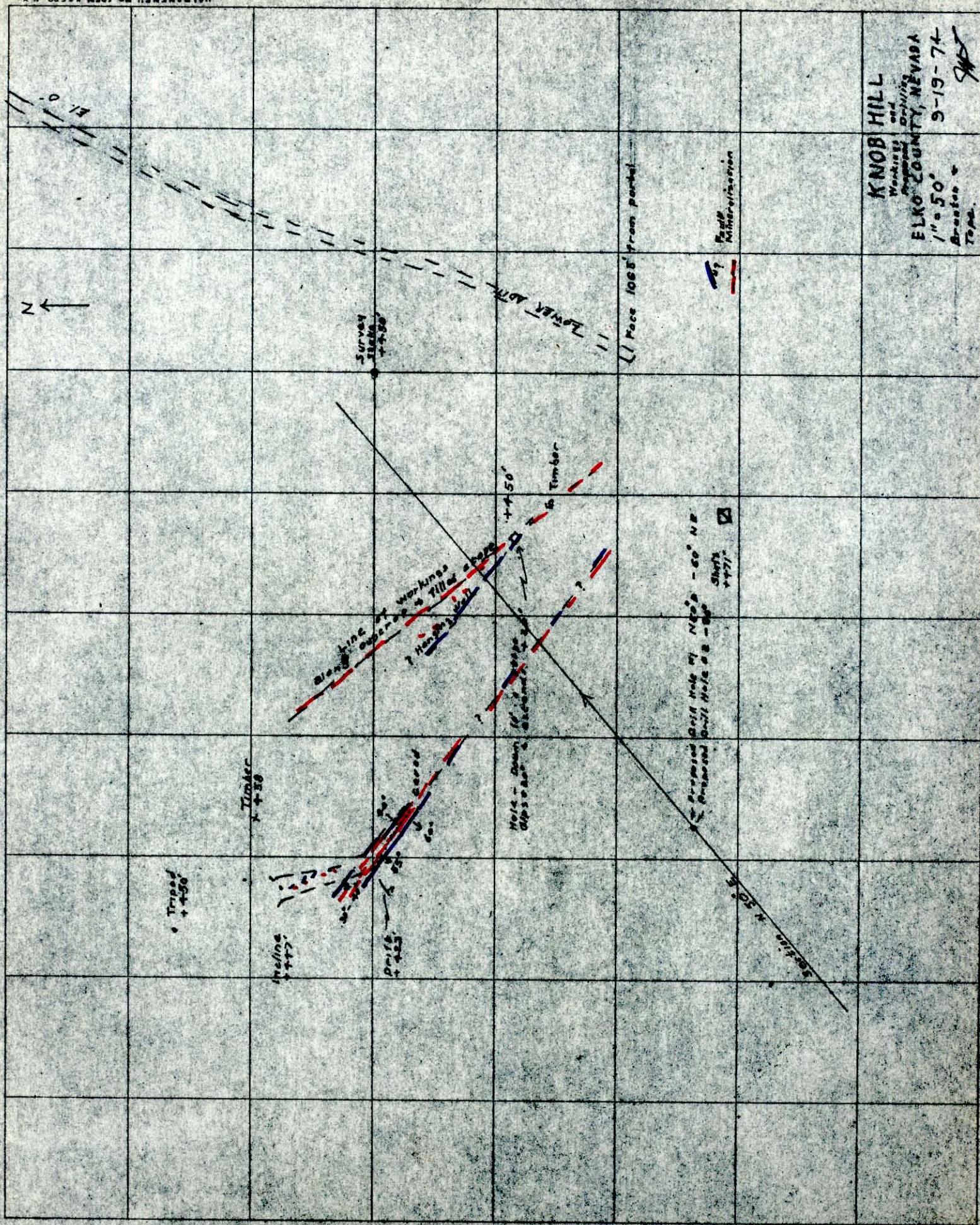


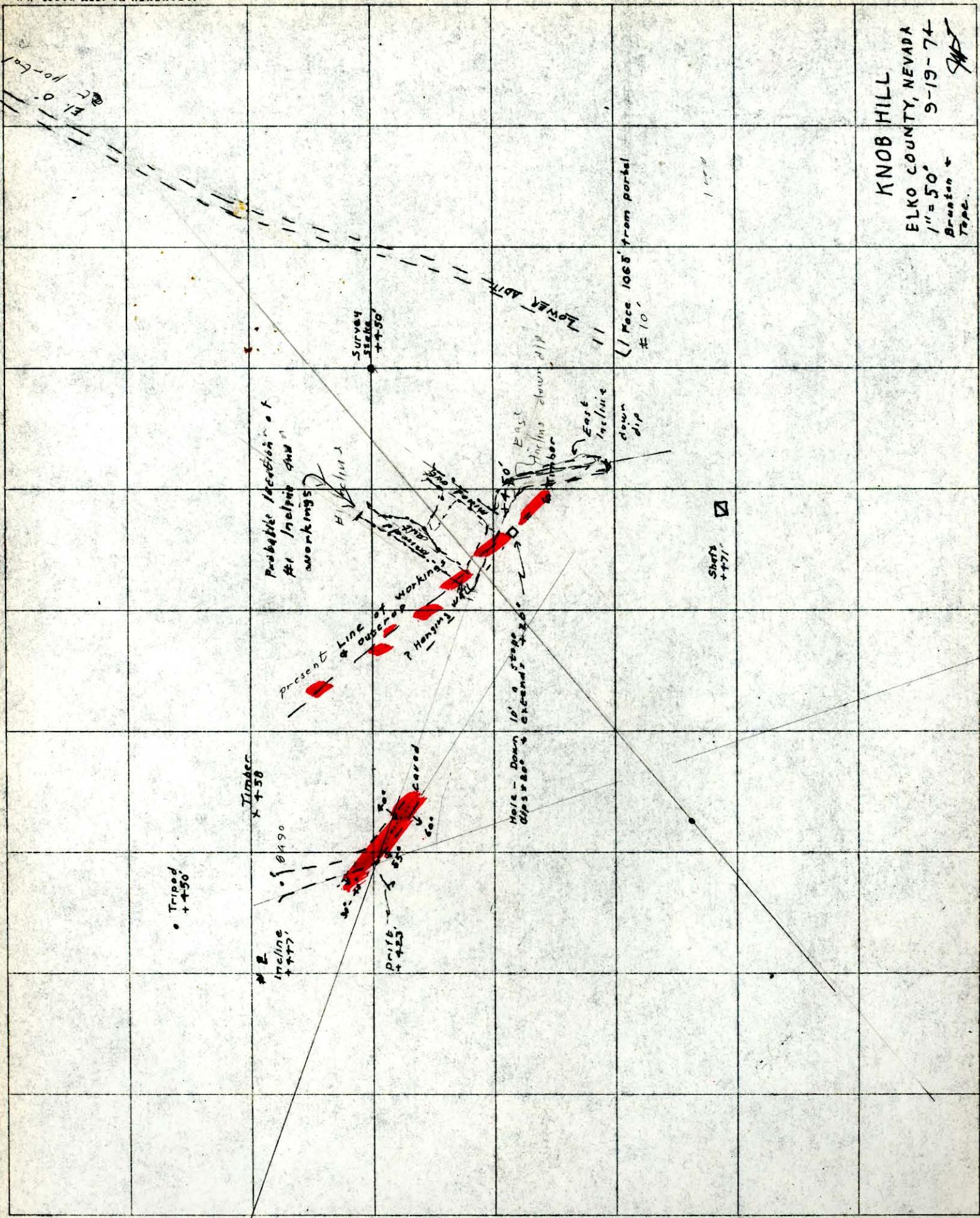
KNOB HILL
Elko County, Nevada
1/2 mile grid
1/2 mile = 50'
Ground distance
Map distance
Rail distance

"ALBANY ENGINE", NO. 1965 K4E5G0, N.Y.



ALBANY, N.Y., U.S.A. PATENT OFFICE





KNOB HILL
ELKO COUNTY, NEVADA
9-19-74
1" = 50'
Branson +
Tape.

KNOB HILL
ELKO COUNTY, NEVADA
1" = 200'
9-19-24

Bruntton Tape.
J.W.T.

Post on dump

0

2' P.M.
70'

4' 22' N
10' D.P.

Triпод

Incline

Survey

rate

+ 450'

Subtop

Vein

outcrop

Survey

stake

+ 450'

Survey

stake

+ 450'

Survey

stake

+ 450'

Post

Mineralization

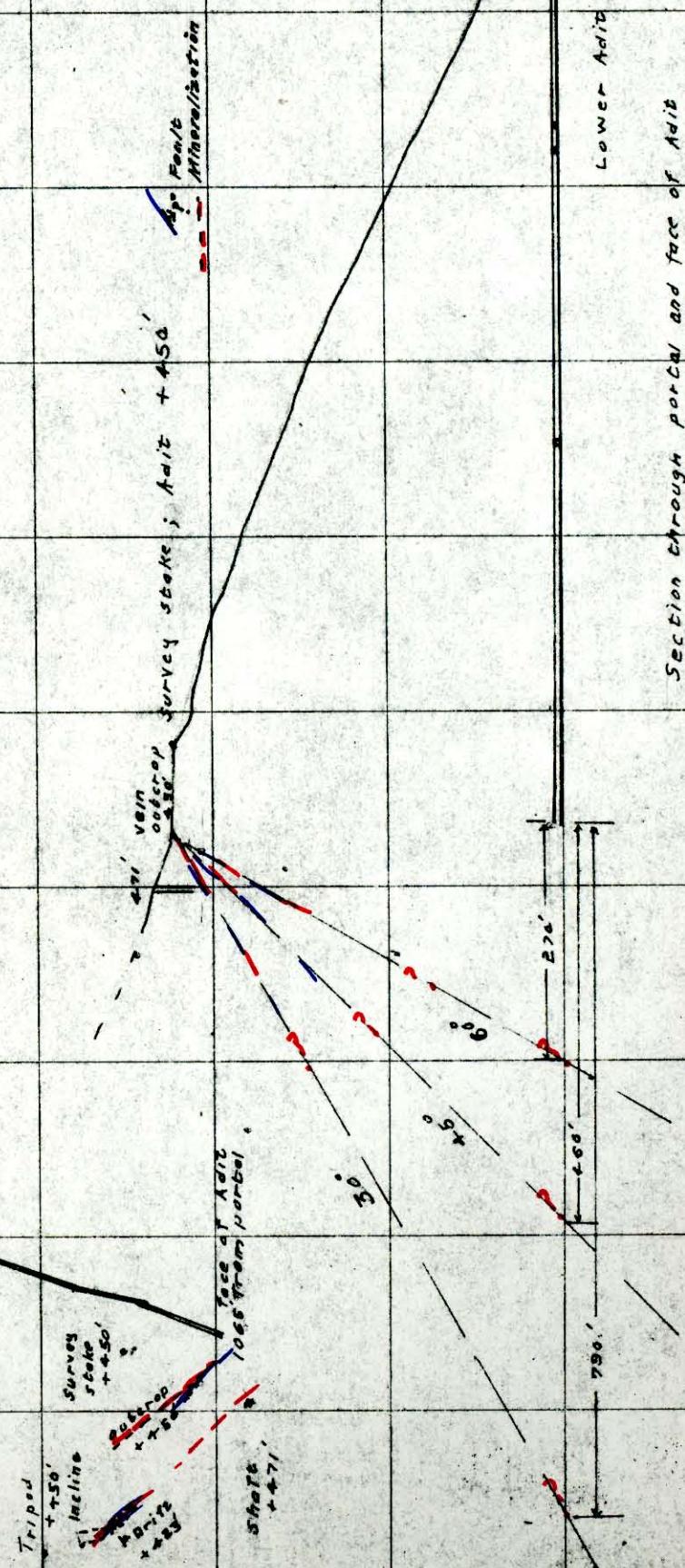
Post

KNOB HILL
ELKO COUNTY, NEVADA
 $1'' = 200'$ 9-19-24

Brunton &
Tape.

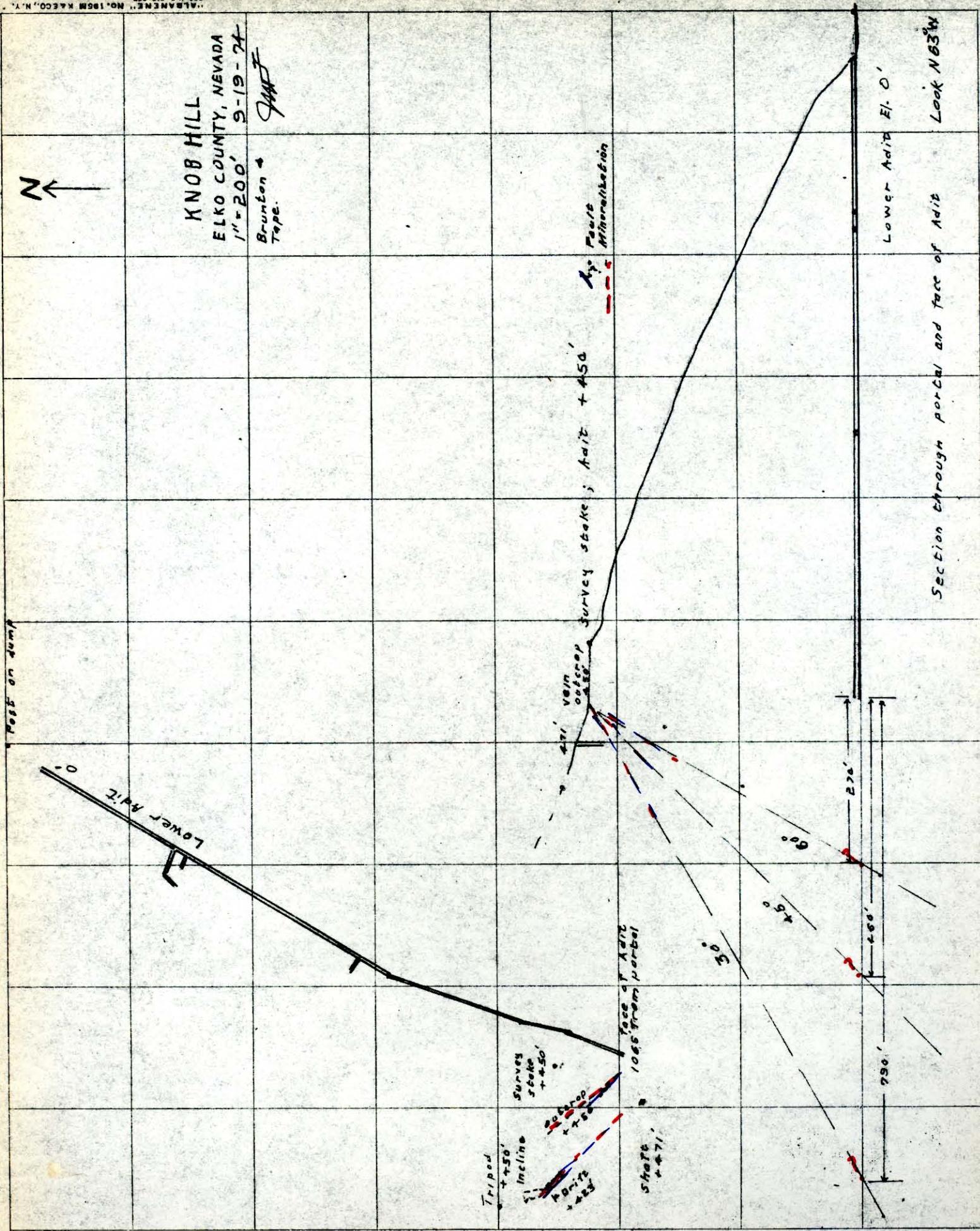
卷之三

LOWER AIR



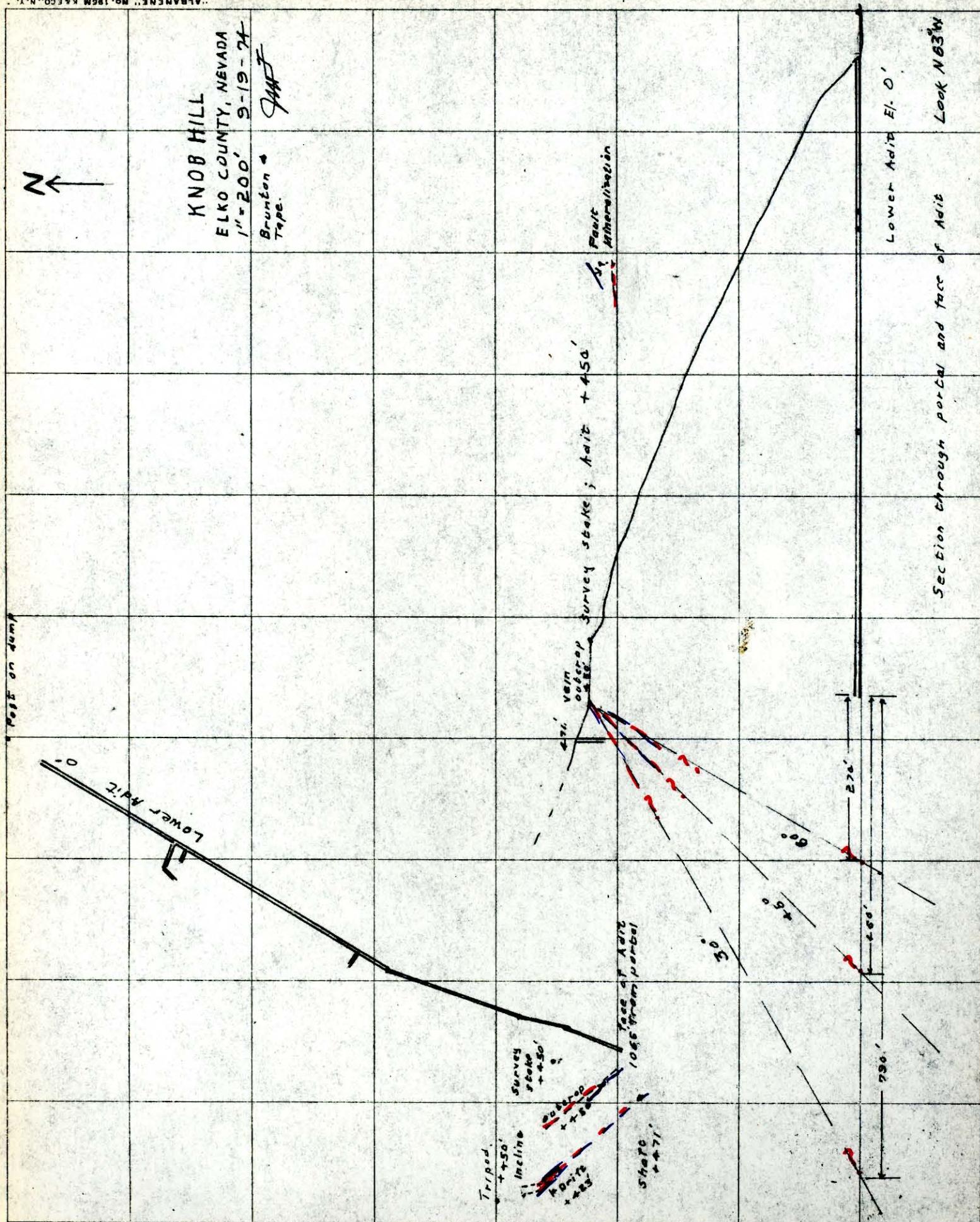
"ALBANESE" NO. 196 W. 44th St., N.Y.

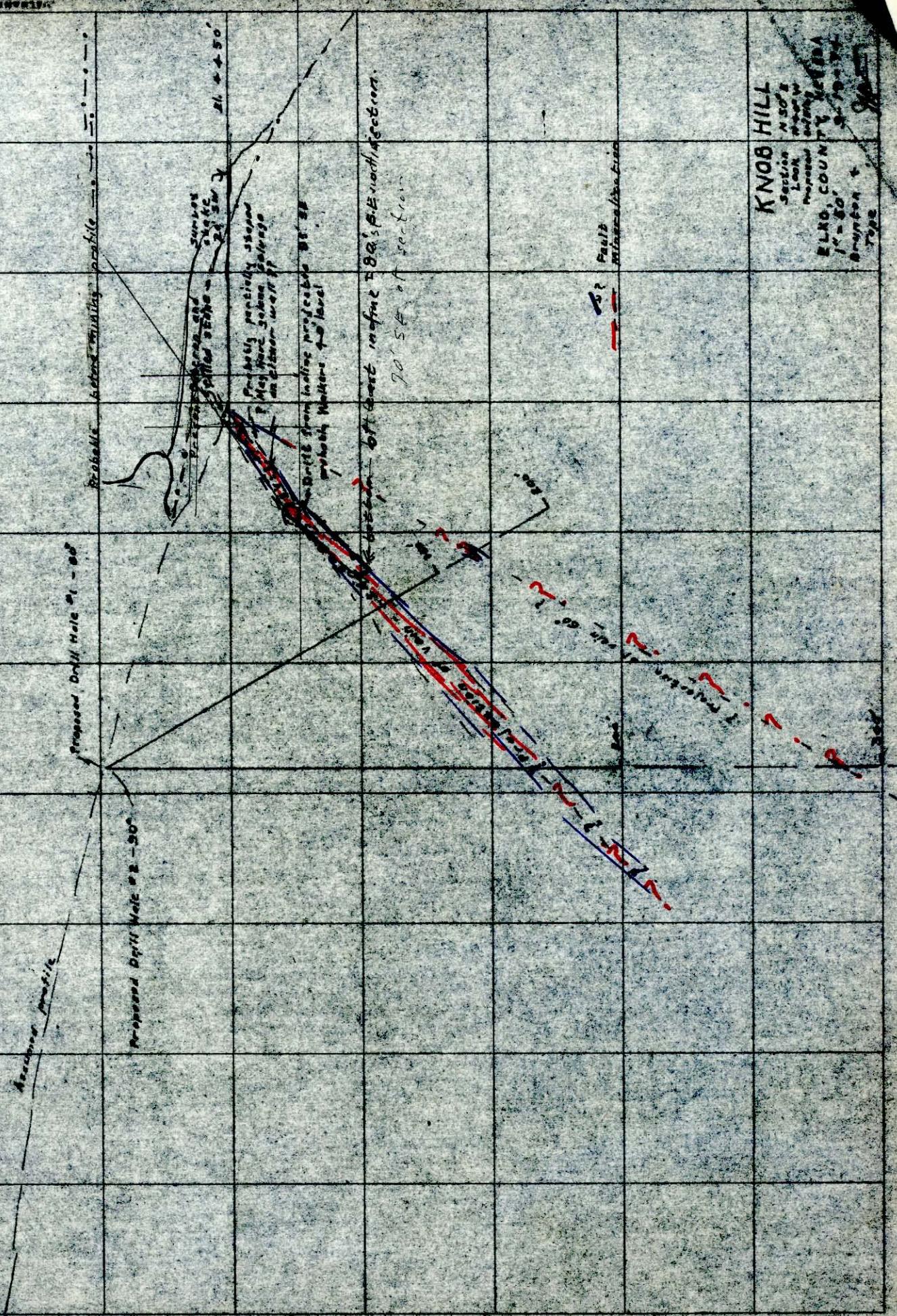
KNOB HILL	ELKO COUNTY, NEVADA
11' = 200'	9-19-74
	<i>JMF</i>
	Brunton & Tape.

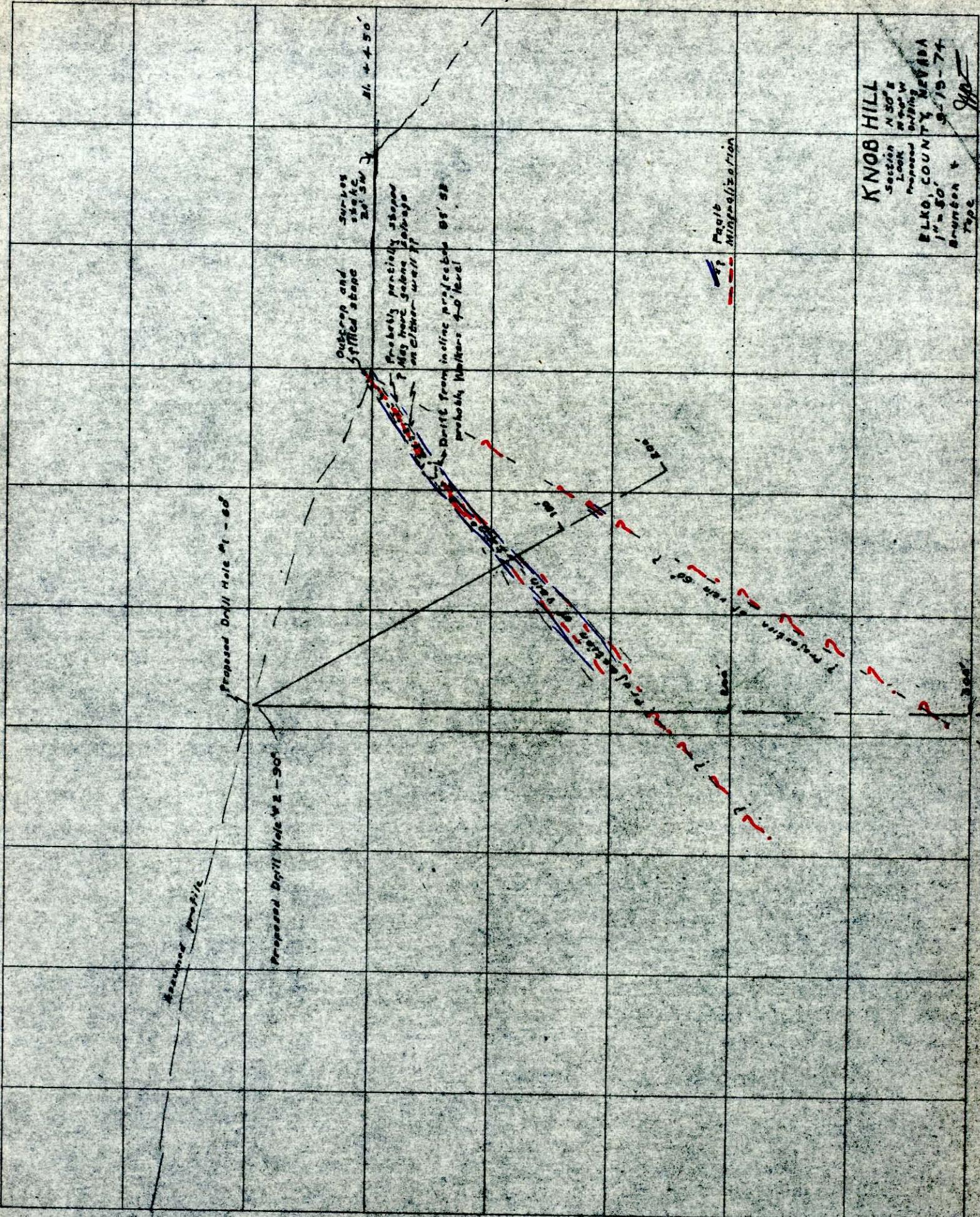


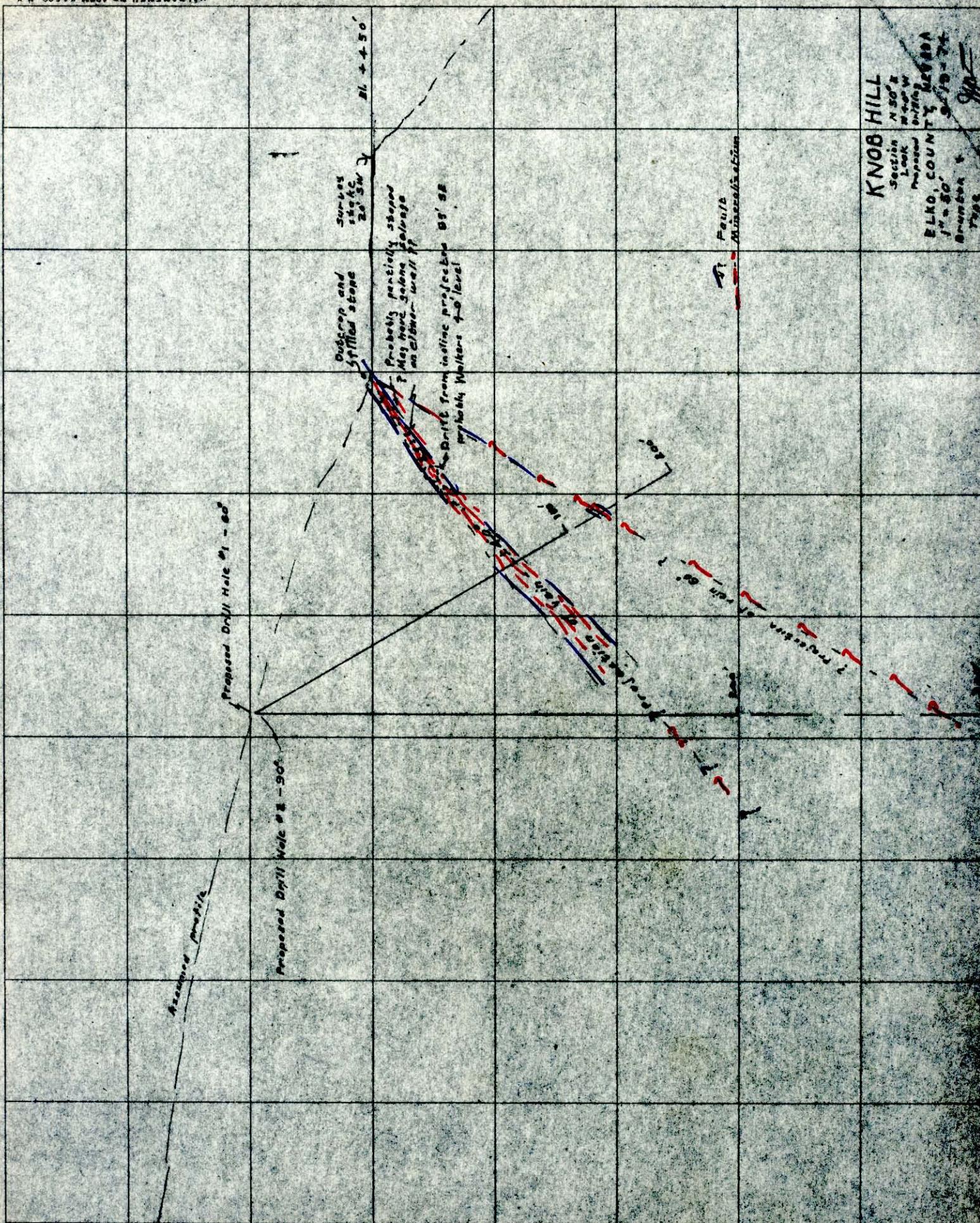
REG. U.S. PAT. OFF
NO. 196M K&E CO., N.Y.

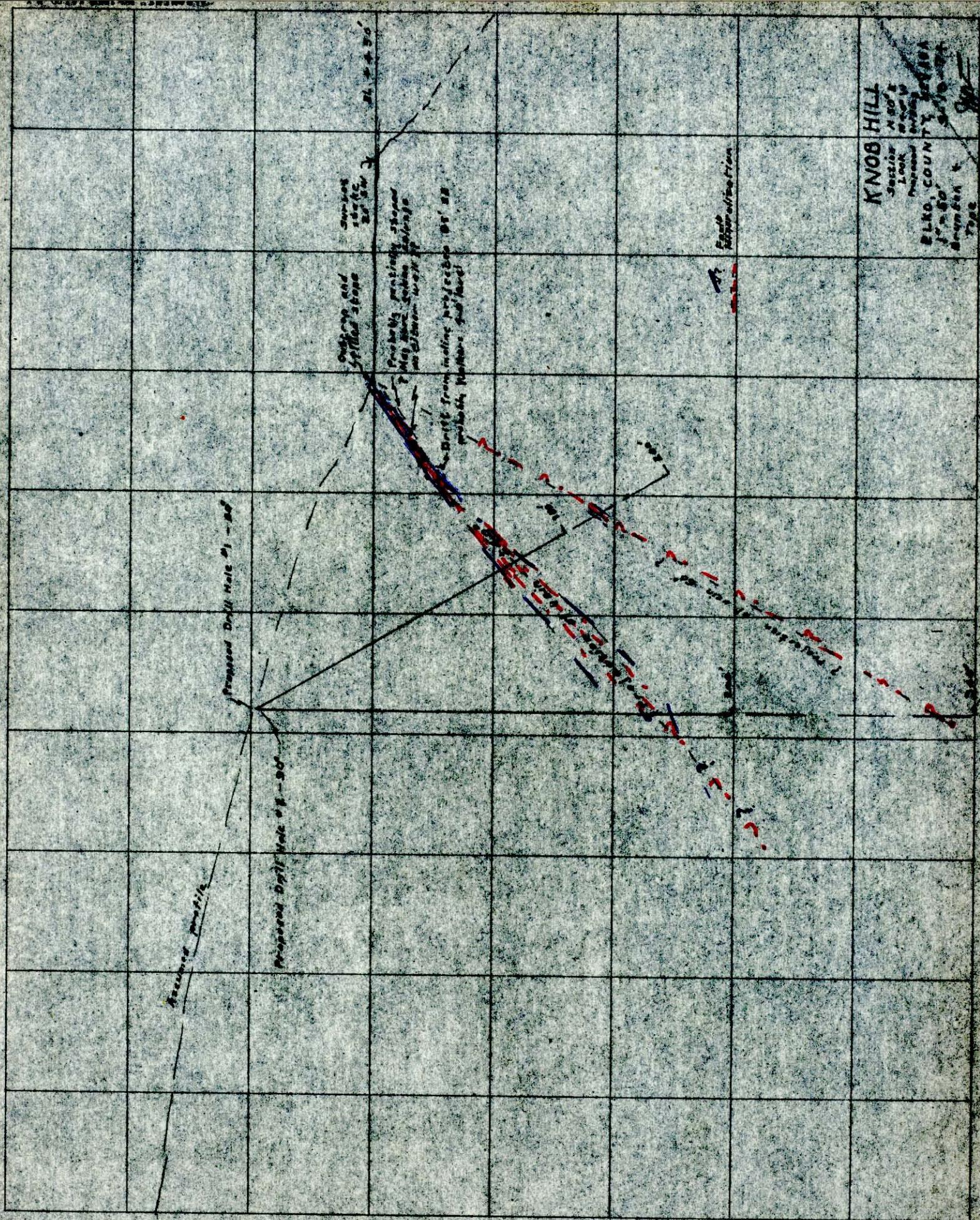
KNOB HILL
ELKO COUNTY, NEVADA
 $1'' = 200'$ 9-19-24



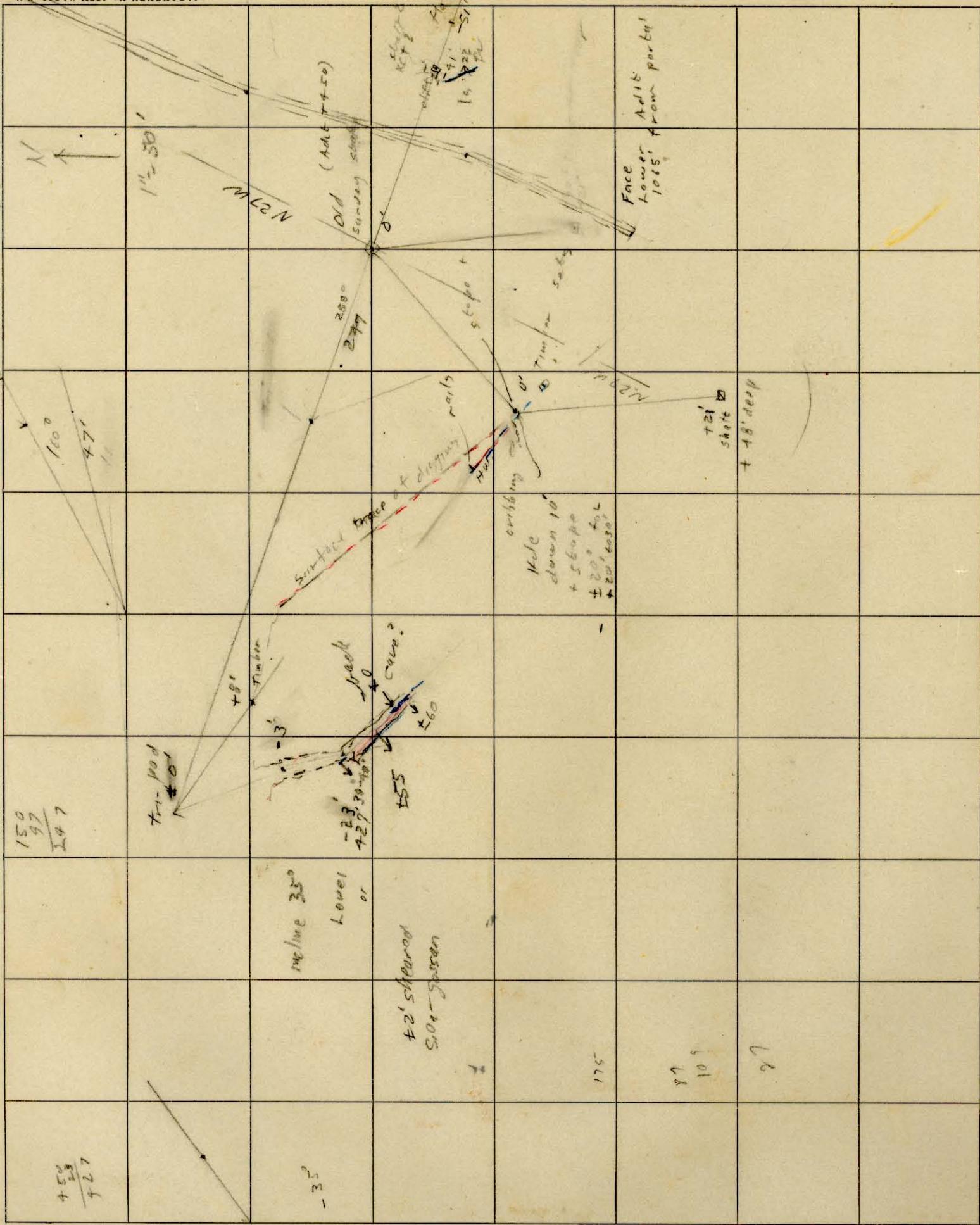








Knob Hill



REG. U.S. PAT. OFF
ALBANESE, NO. 195M KAECO, N.Y.

Knob Hill 1st 200

三