4990 0160

GOLDEN KING MINE

West Golden Mining District

Nye County, Nevada

J. McLaren Forbes

July 30, 1980

The Golden King mine is located in the West Golden Mining District at the southern end of the Shoshone mountains, on the west slope, just below the summit of the range at about 7000 feet elevation. It is about 8 miles north of Cloverdale ranch and just west of the East Golden mine.

The Golden King mine is on a Tertiary age silver-gold type epithermal deposit. Oxidation of the primary mineralization is nearly complete in the surface workings. A small portion of each drill hole sample was panned and there was a slight increase of unaltered pyrite with depth. No identifiable silver minerals were noted. A panned sample, from strongly oxidized material at the mouth of the Water Tunnel, showed one or two very fine colors of gold and possibly a small flake of native silver.

The mineralization is found along an east-south-easterly shear or fault zone, in tertiary (Oligocene-Miocene) rhyolites. This shear may be up to 100' in width and extends, from the portal of the Water Tunnel, where it is terminated by a northeast striking and steeply northwest dipping fault, for at least 1000' to the east-south-east. There has been some 500' of surface exploration to the east-south-east of the Water Tunnel portal.

The mine workings include a shaft, reportedly 183 feet in depth with water standing to 55 feet below the shaft collar, just below the 50' level. On the 50' level there are 60' of drifting and 65' of crosscutting. The portal of the Water Tunnel, which is at the 50' level elevation, is 325' northwesterly from the shaft. The tunnel extends for 100' toward the shaft.

There is a short 40' raise to the surface, 40' east of the portal. There are also several small prospect pits. Sample locations, and their values, both for surface and underground as well as for the four rotary drill holes are shown on the accompanying maps and sections.

The mine workings are along the east-south-easterly shear or fault zone. The main mineralization appears to be confined to short stretches along either the footwall or hanging wall, and possibly along cross faults. Theoretical projections of the mineralization, as cut by the rotary drill holes, are as follows:

Section 0: The mineralization shows on both the footwall and a projected cross fault, according to data from rotary drill hole G-1.

Section 1: In this section, through rotary drill hole G-2, mineralization is on the foot and hanging walls. It seems as if the cross fault of section 0 did not show up in this drill hole.

Section 2: Here, as there was no drill hole, the only data available shows the mineralization on the hanging wall.

Section 3: - Mineralization shown on this section, from rotary drill hole G-4, may be on the hanging wall, and a hanging wall split.

Section 4: On this section, data from the rotary drill hole G-3 and the water tunnel indicate that the footwall and hanging all may be coming together at, or above, the 50' level, and east of the terminal fault.

<u>The above interpretations are of necessity nebulous; however, they are useful as a working hypothesis.</u>

Sufficient data <u>has not been acquired</u> from which to develop firm ore reserves. From the results of the rotary drilling it can be assumed that the deepest appreciable mineralization cut by drilling represents narrow veins, ± 5' in width. The lowest intercepts with appreciable values are as follows:

Rotary hole #	depth in ft.	ounces gold	per ton silver
G-1	125-130	0.026	0.05
G-2	220-225	0.472	6.38
G-3	140-145	1.508	2.19
G-4	105-110	0.018	0.42

Despite some of the better values, in the lower part of these holes, no deep ore reserves can be developed from the present information.

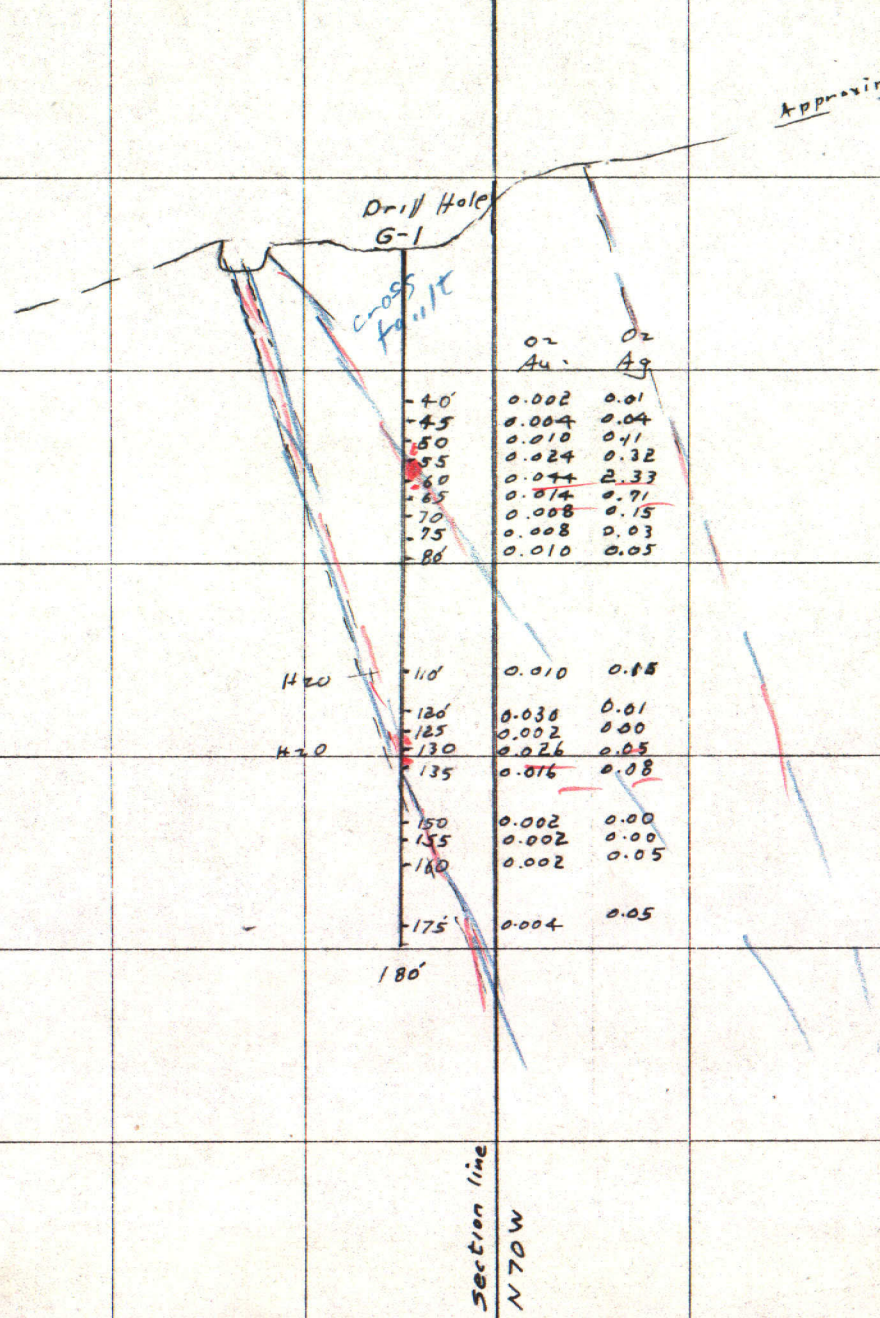
The strongest mineralization is at the Water Tunnel. To attempt to develop a small ore body in this area would require several thousand feet of inclined diamond drilling or shaft sinking and drifting along the structure. In order to obtain the best information possible, the vein or shear zone must be explored by diamond drilling. It is possible that such exploration holes could be rock bit drilled to the target zone and the hole completed by diamond drill.

Conclusion:

I believe that the Golden King mine was presented to J.A.B., Inc. as a probable open pit mining operation. The samples taken by Frank Black and myself, before the rotary drilling campaign, indicated that there would be no open pit. This drilling has shown that there is no possiblity of developing an open pit gold-silver mine on the Golden King. In fact, the present information indicates that an open pit operation, with gold and silver values as high as $1000 and $100 per ounce, would hardly be viable.

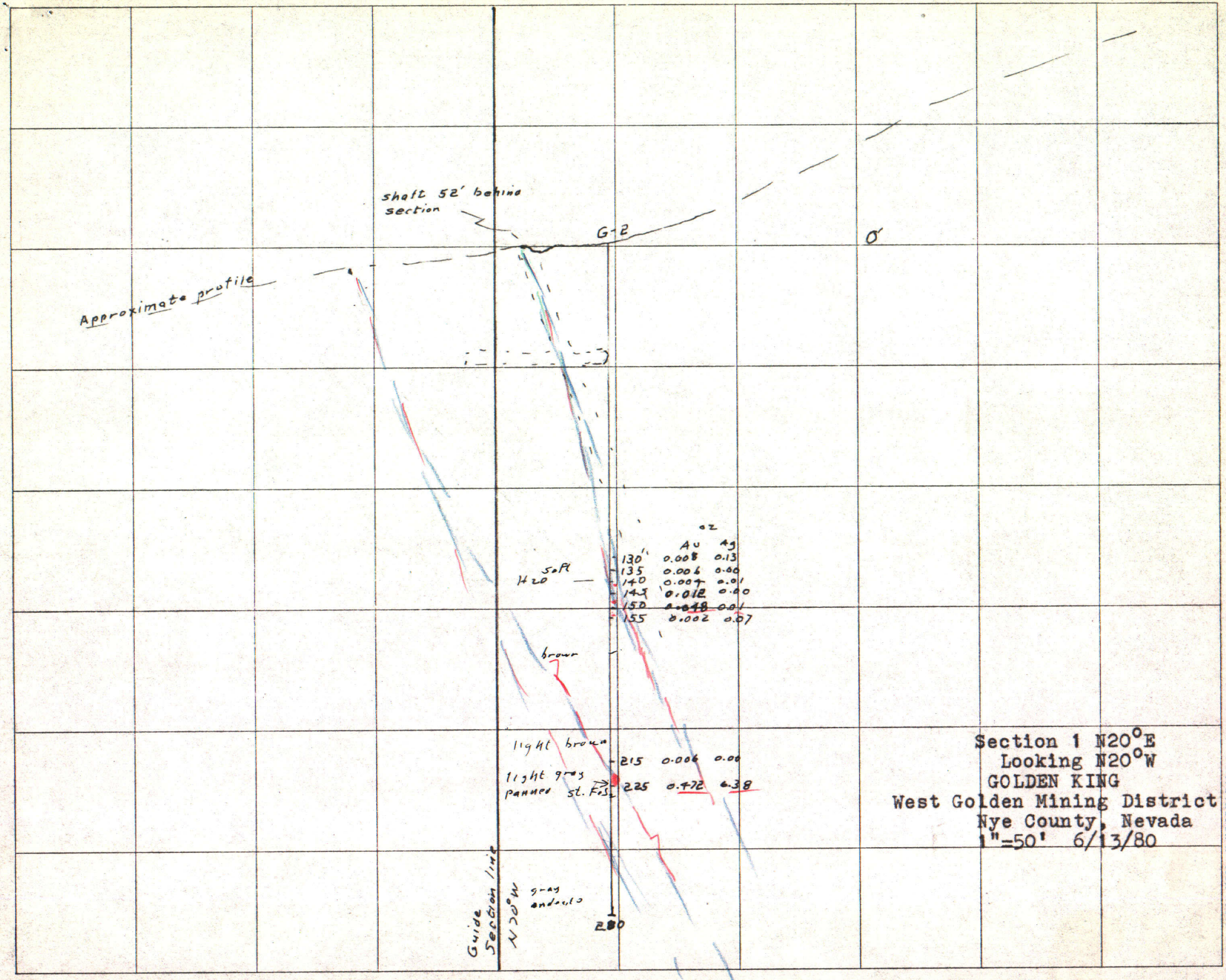
A small underground mine is not indicated at this stage of the Golden King development, even in the Water Tunnel area where the best assay

values were found. Extensive development work would be needed to develop ore reserves at the Golden King, sufficient to support an underground mine, if in fact such ore reserves do exist.

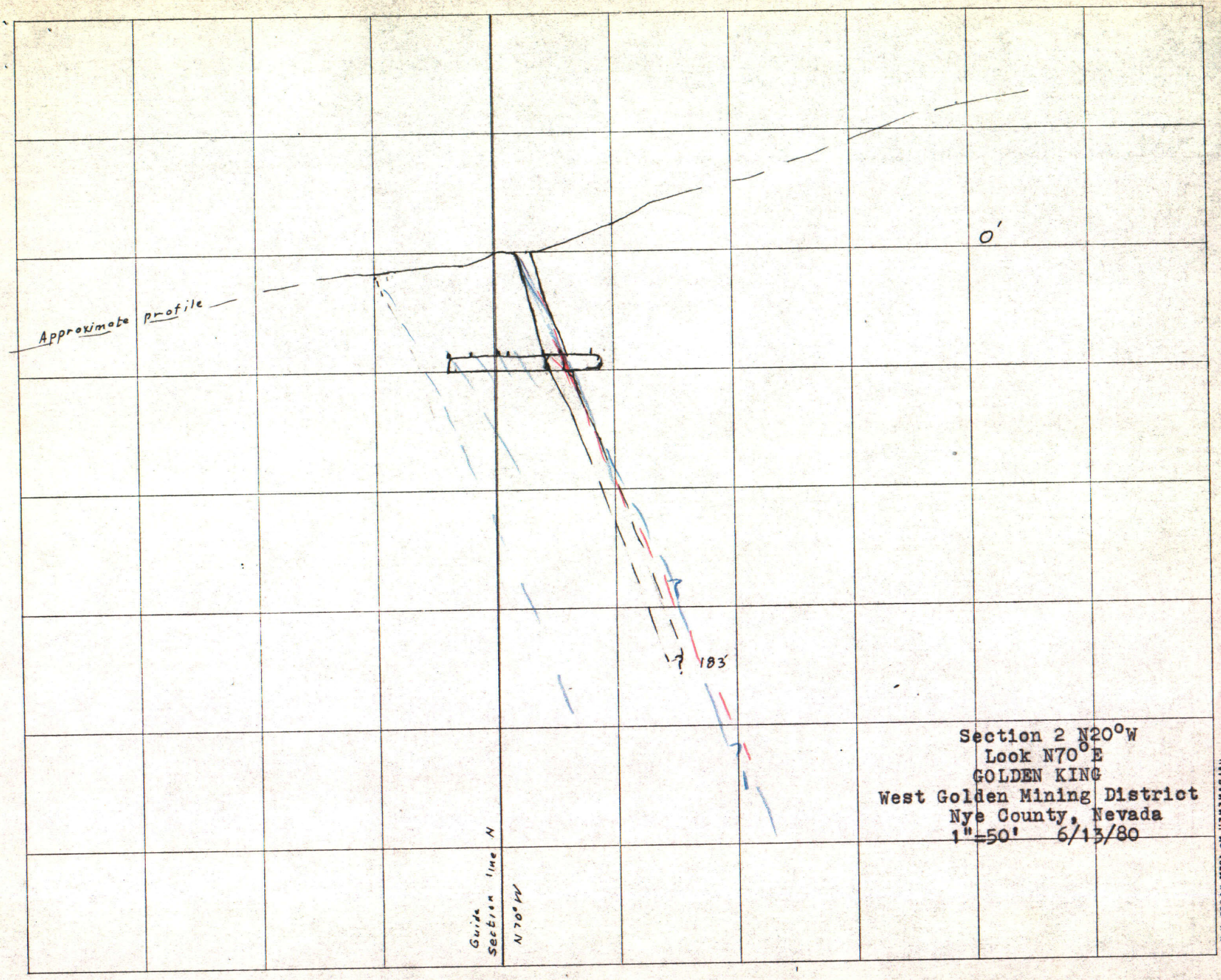


Section 0 N20°E
Look N70°W
GOLDEN KING
West Golden Mining District
Nye County, Nevada
1"=50' 6/13/80

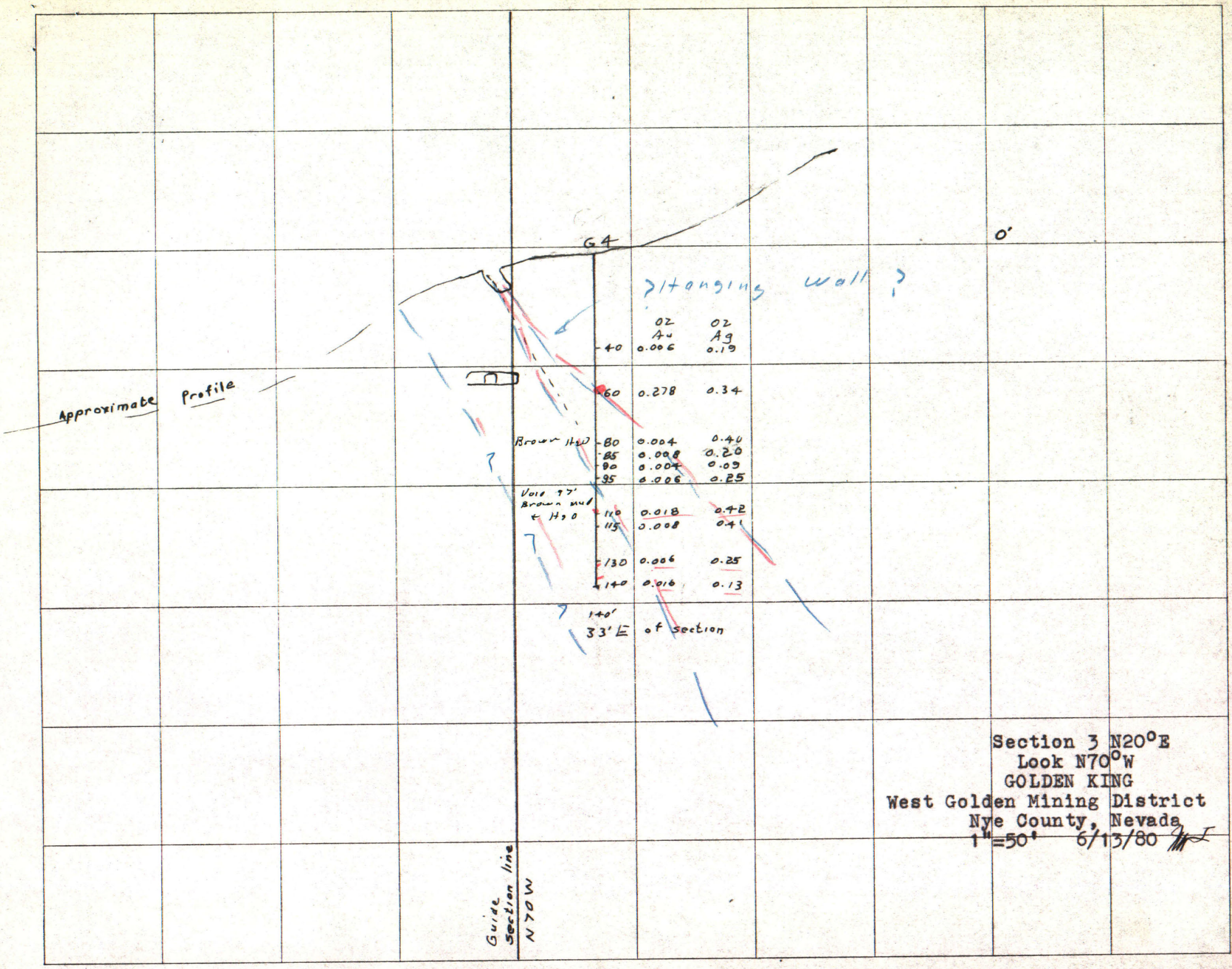
Sec



Section 1 N20°E
Looking N20°W
GOLDEN KING
West Golden Mining District
Nye County, Nevada
1"=50' 6/13/80



Section 2 N20°W
Look N70°E
GOLDEN KING
West Golden Mining District
Nye County, Nevada
1"=50' 6/13/80



	Oz Au	Oz Ag
40	0.006	0.19
60	0.278	0.34
80	0.004	0.40
85	0.008	0.20
90	0.004	0.09
95	0.006	0.25
110	0.018	0.42
115	0.008	0.41
130	0.006	0.25
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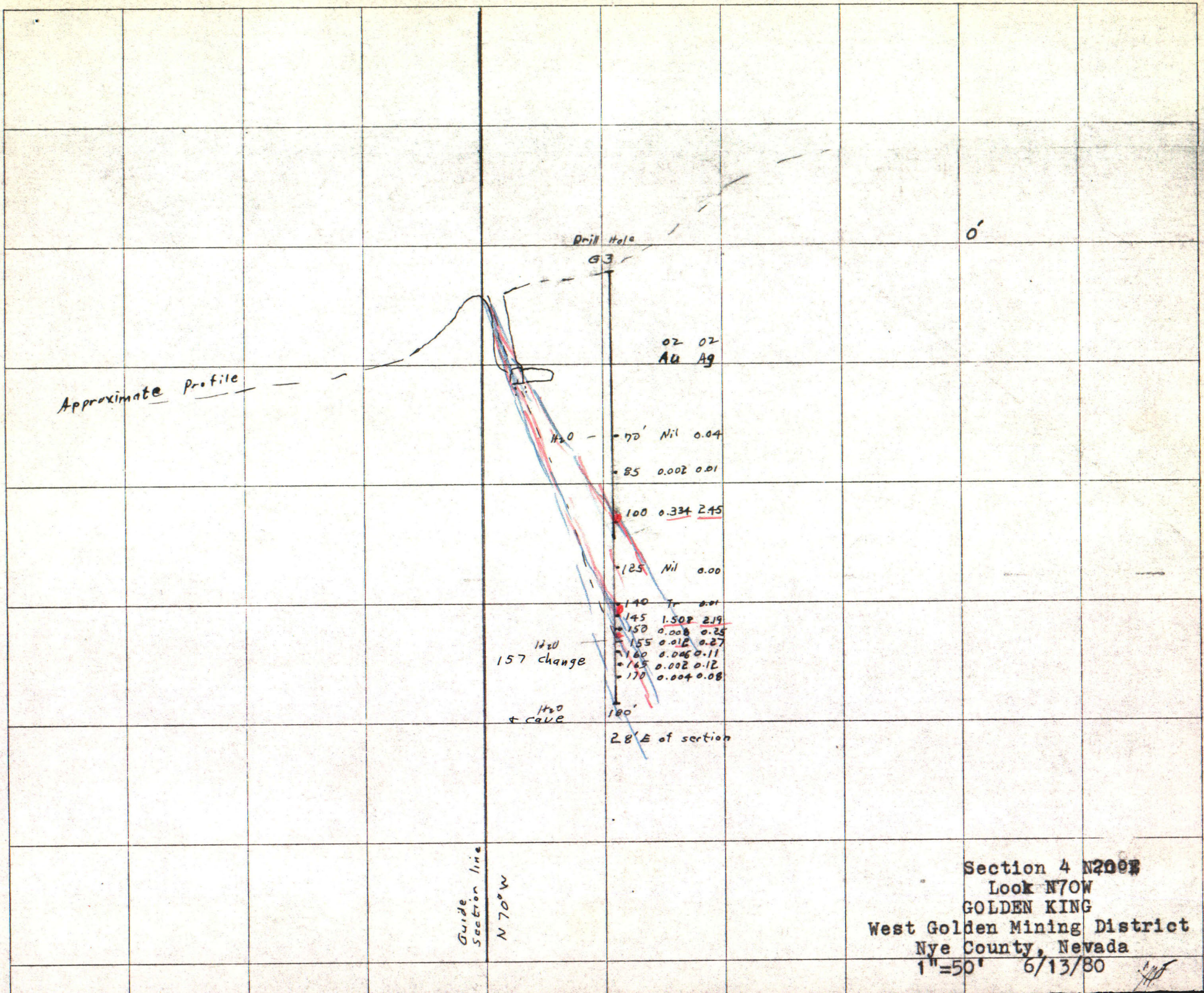
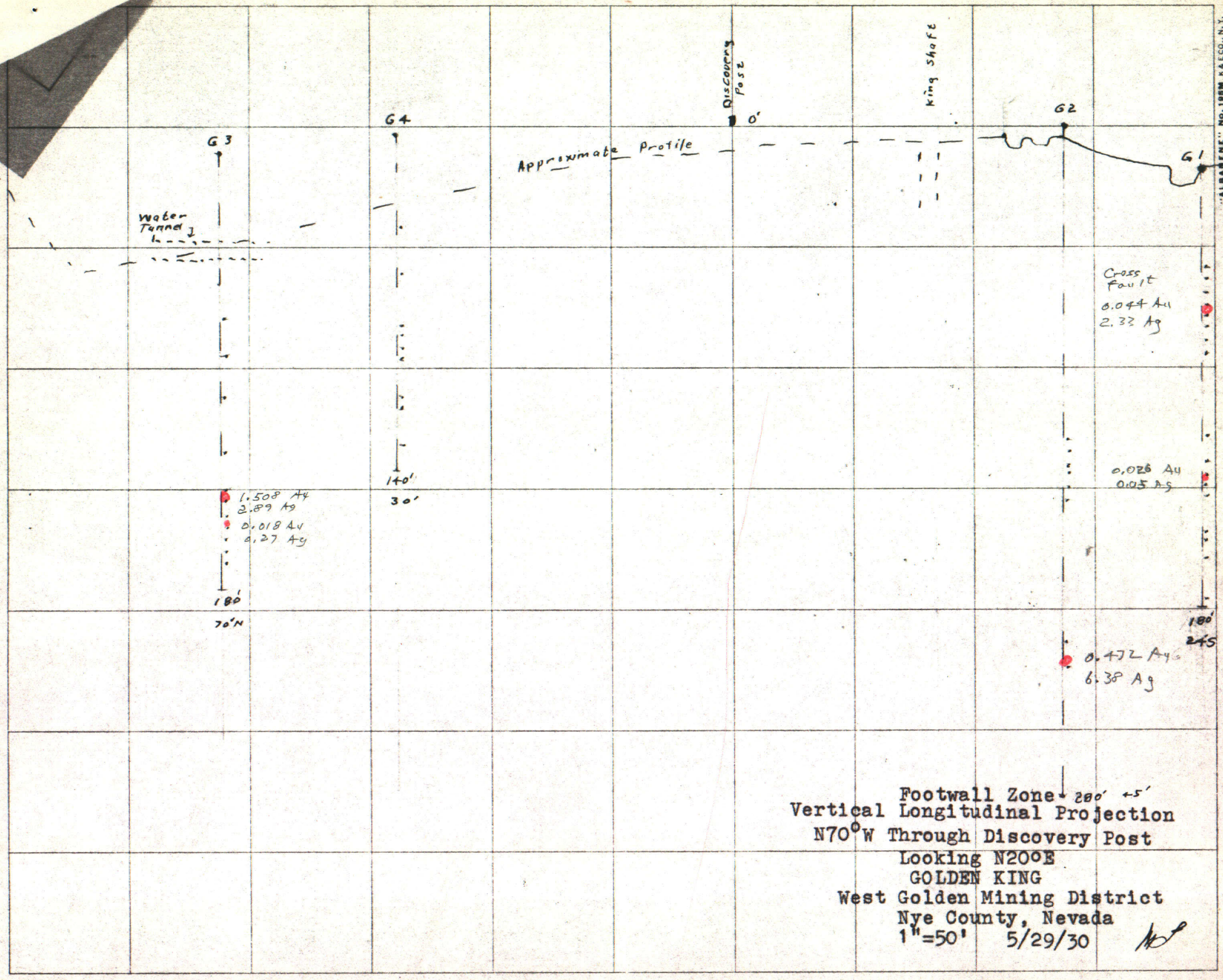
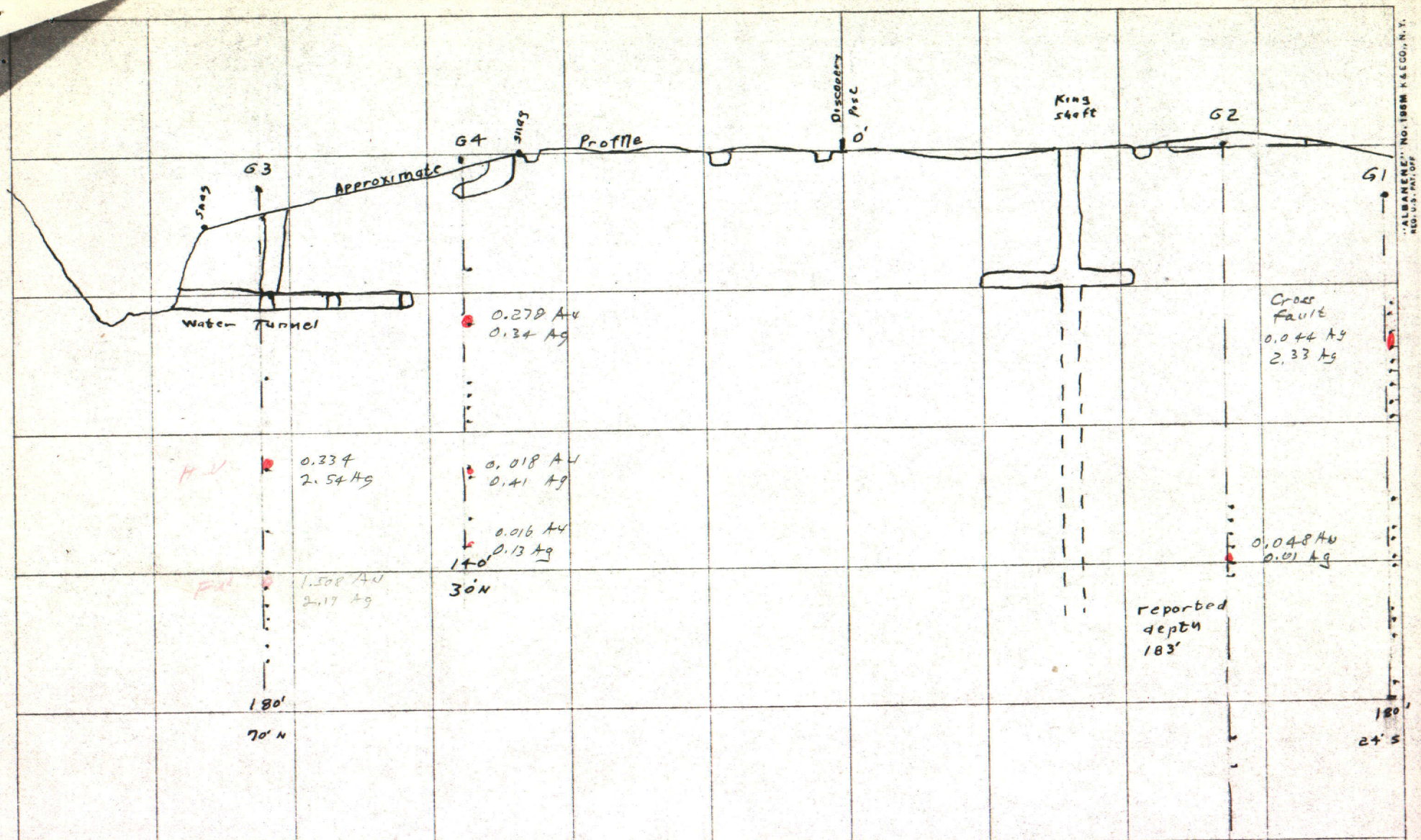
Section 3 N20°E
Look N70°W
GOLDEN KING
West Golden Mining District
Nye County, Nevada
1"=50' 6/13/80



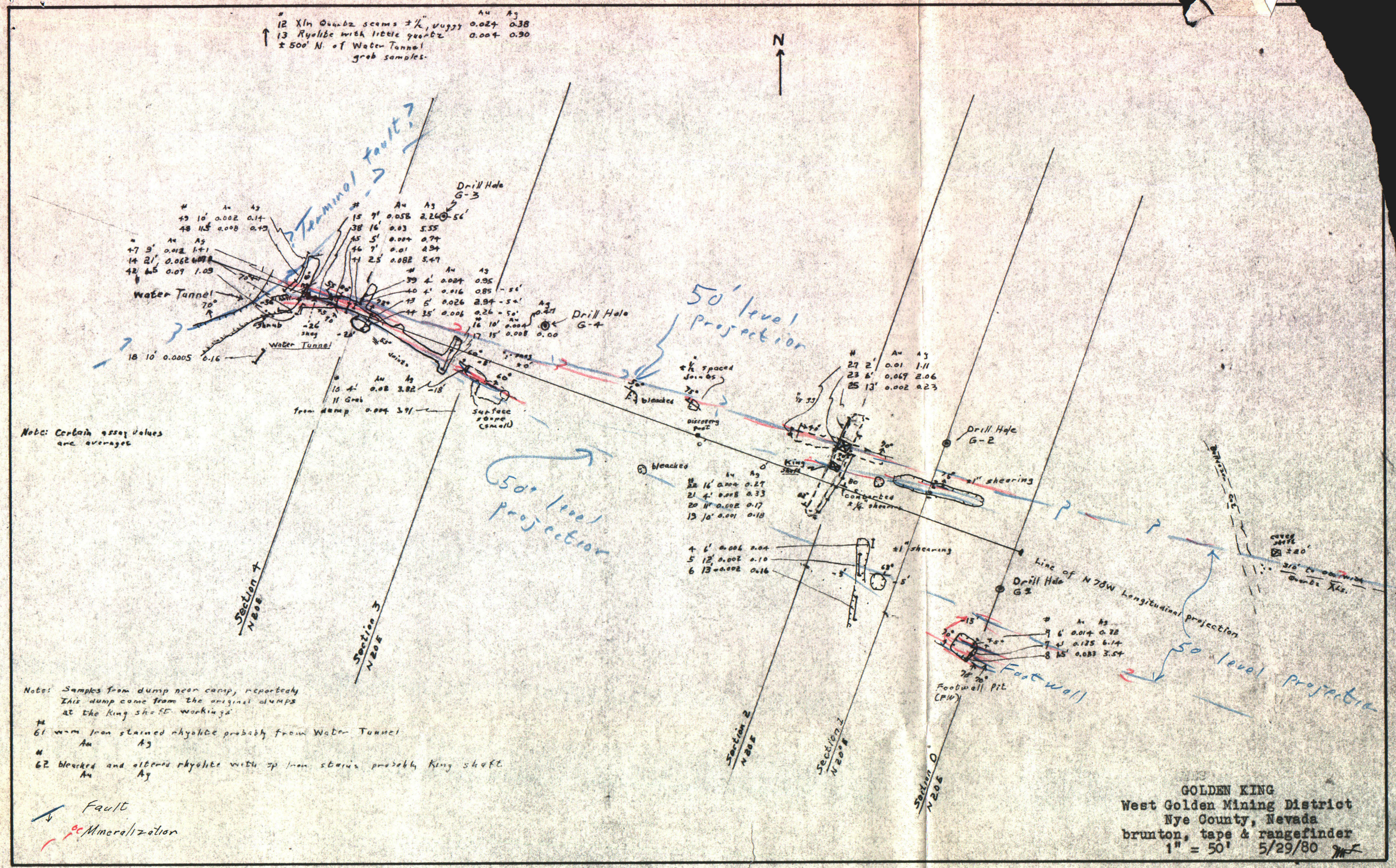
Section 4 N200E
Look N70W
GOLDEN KING
West Golden Mining District
Nye County, Nevada
1"=50' 6/13/80



Vertical Longitudinal Projection
N70°W Through Discovery Post
Looking N20°E
GOLDEN KING
West Golden Mining District
Nye County, Nevada
1"=50' 5/29/30

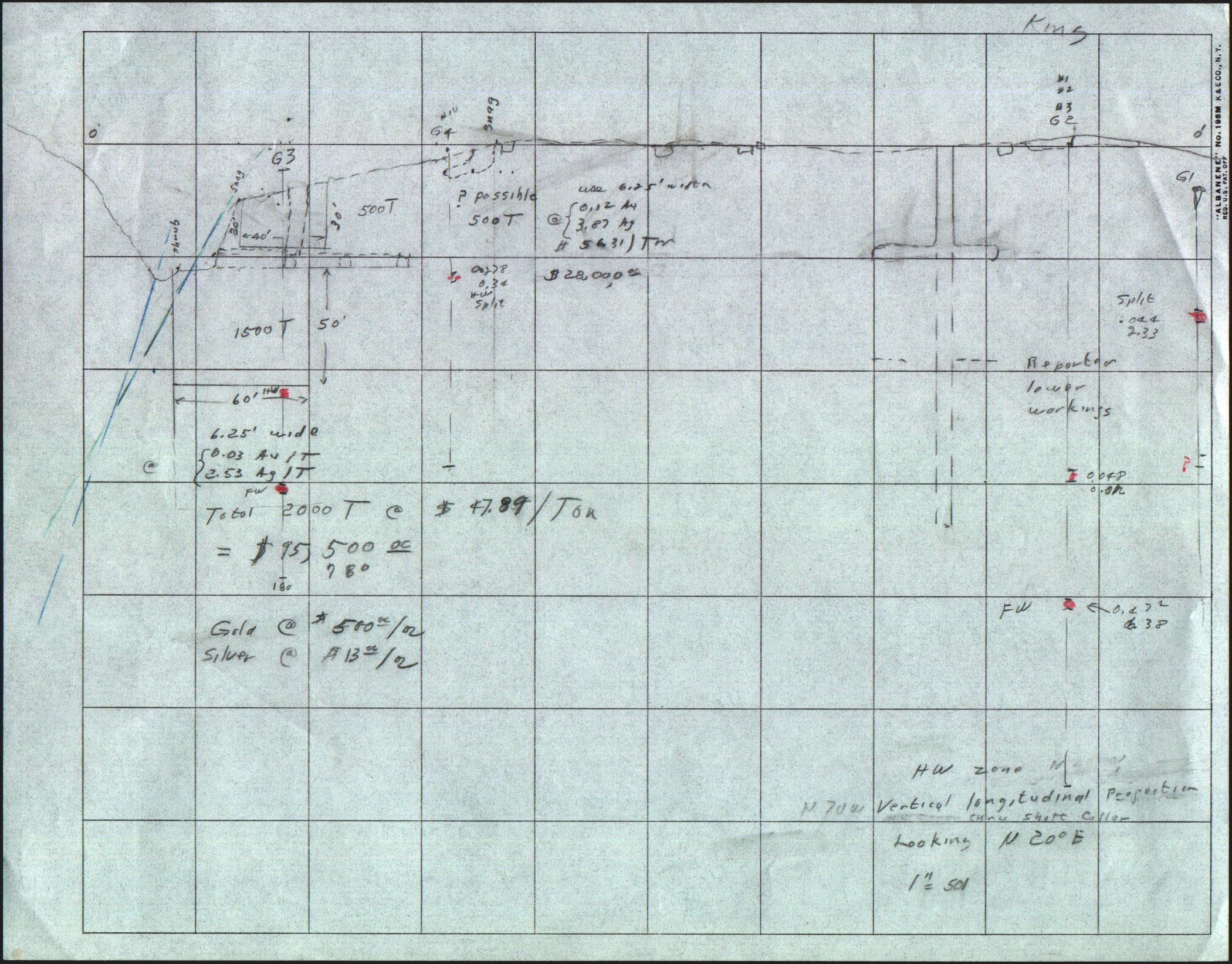


Hanging Wall Zone
Vertical Longitudinal Projection
N70°W Through Discovery Post
Looking N20° E
GOLDEN KING
West Golden Mining District
Nye County, Nevada
1"=50' 5/29/30

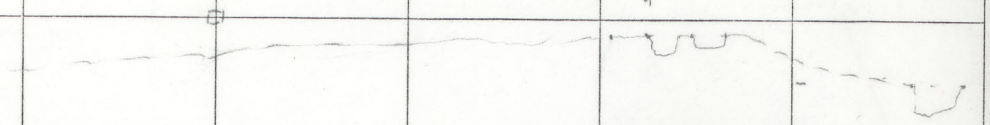


GOLDEN KING
West Golden Mining District
Nye County, Nevada
brunton, tape & rangefinder
1" = 50' 5/29/80


GOLDEN KING
LANDER CO
BURNT CABIN SUMMIT
CHURCHILL COUNTY
Sunnyside Creek
Ione Valley
R 38 E
R 40
Ranger Station
REESE RIVER VALLEY
Old Bell Ranch
SHERMAN PEAK
IONE VALLEY
Antelope Spring
Antelope Wash
Windmill
Cem
Ford
Wagon
T 10 N
T 9 N
T 8 N
R 38 E
IONE VALLEY
MINERAL COUNTY
Holland Well
Gal
Qal
QTb
Tvt
6529
6185
5939
5915
5788
5700
6000
6100
6500
5500
5300



Kings



Possible connected with water channel

Possible 250 T

@ 0.12 oz/T Au
5.46 oz/T Ag
$130.48 / T ave
$ $32,745.00

Au @ $500/oz
Ag @ $13/oz

FW Zone

N 70 W
Shaft collar

Vertical longitudinal ~~projection~~
looking N 20 E

1" = 50'

# 3669???	Length inches	Oz Au Western pt = 0.003	Hunter pt = 0.001	AVE pt = 0.0015	@$1/oz $/T	Oz Ag Western	Hunter	Ave	@$1/oz $/T	$/T Au + Ag
10	48	0.022	0.018	0.020		3.72	3.92	3.82		
11	?	0.008	Tr	0.004		3.89	3.92	3.91		
	?/48"	-0.001		0.012	$4.00 4.80			3.87	$1^{00} 46.44	51.24
			Rate 1-32 oz		$5.00 $6.00				$13 50.31	56.31
	?48"				$6.00 $7.20				$14 54.18	61.38
18	120"	-0.001	Tr	0.0005	$4.00 0.20	0.00	0.32	0.16	$1^{00} 1.92	2.12
			rate 1 to 320		$5.00 0.25				$13 2.08	2.33
	120"				$6.00 0.30				$14 2.24	2.54

ADIT

At portal										
47	108	0.012		0.012		1.41		1.41		
Portal										
14	21' true 9' true 108	0.062		0.062		1.07		1.07		
42	78	0.09		0.090		1.09		1.09		
15	84 270 90"	0.024	0.092	0.058 15.24		2.66	2.57	2.62		
				0.06	$4.00 24.00			1.56	$12^{00} 18.72	42.72
					$5.00 30.00				$13^{00} 20.28	50.28
					$6.00 36.00				$14^{00} 21.84	57.84
Portal +										
38	16'00/92" True 60"	0.03		0.03	$4.00 12.00 15.00 18.00	5.55		5.55		
45	60	0.004		0.004	$4.00 1.60 2.00 2.40	0.74		0.74		
41	30"	0.082		0.082		5.47		5.47		
46	84" 57	0.01		0.01 0.06		0.94		0.94 4.26		
43	72	0.026		0.026		2.94		check (2.698) 2.94		
(74.5)	449 ÷ 6 = 75" = 6.25'			0.03	$4.00 12.00 5.00 15.00 6.00 18.00			2.52	$12^{00} 30.24 $13 32.75 14 35.28	$42.24 $47.75 $53.28
Surface Creek Adit										
(0, 11)				0.01	4.00			3.87		
	Adit									
				0.03				2.52		
				0.04 ÷ 2 = 0.02	$4.00 8.00 $5.00 10.00 $6.00 12.00			6.39 ÷ 2 = 3.15	$12^{00} 37.80 $13^{00} 40.95 $14^{00} 44.10	45.80 50.95 56.10

Ratio Adit

Au to Ag	.03	2.52
	1 to	84

KING SHAFT

Surface near SHAFT

FW Assays

# 36690?	length inches	oz Au Western	oz Au Hunter	oz Au Ave.	@ $/oz $/T	oz Ag Western	oz Ag Hunter	oz Ag Ave	$/oz $/T	$ Au + Ag Total
7	48	0.138	0.132	0.135		6.13	6.15	6.14		
8	17	0.094	0.072	0.083		3.39	3.69	3.54		
9	65"	0.014		0.12	$400 48.00			5.46	$12.00 65.52	104.52
					$500.00 60.00				13.00 70.98	130.98
	65"				600.00 72.00				14 76.44	148.44

Ratio Au - Ag

0.12 5.46

= 1 to 46

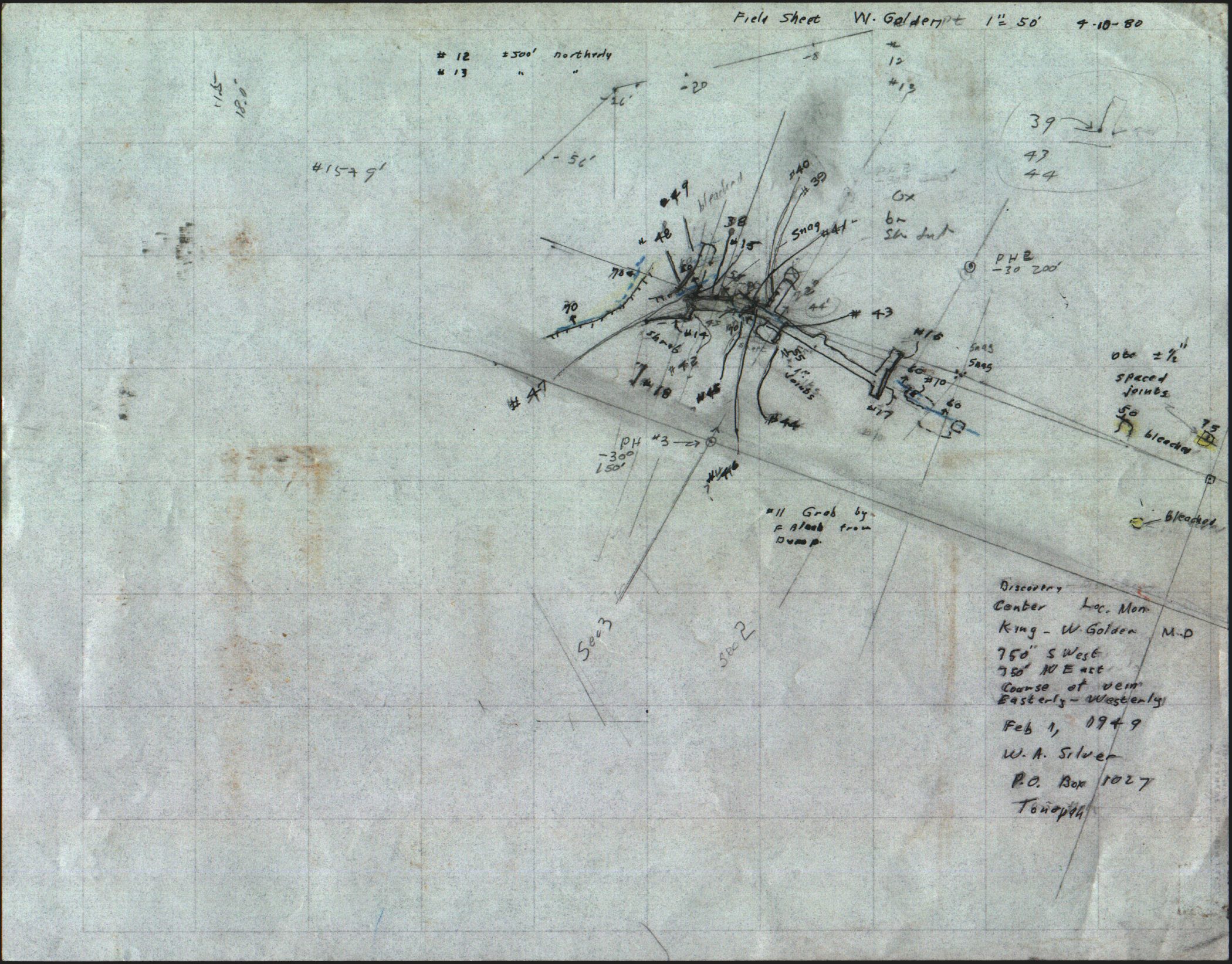
HW Assays

2	48	0.008		0.008	0.008	1.07		1.07	1.07	
3	48	0.004	none	0.002		1.49	1.28	1.35		
	96	0.006		0.005	$400 2.00			1.21	$12.00 14.52	16.52
					$500 2.50				$13.00 15.73	18.23
	96"				$600 3.00				$14.00 16.94	19.94

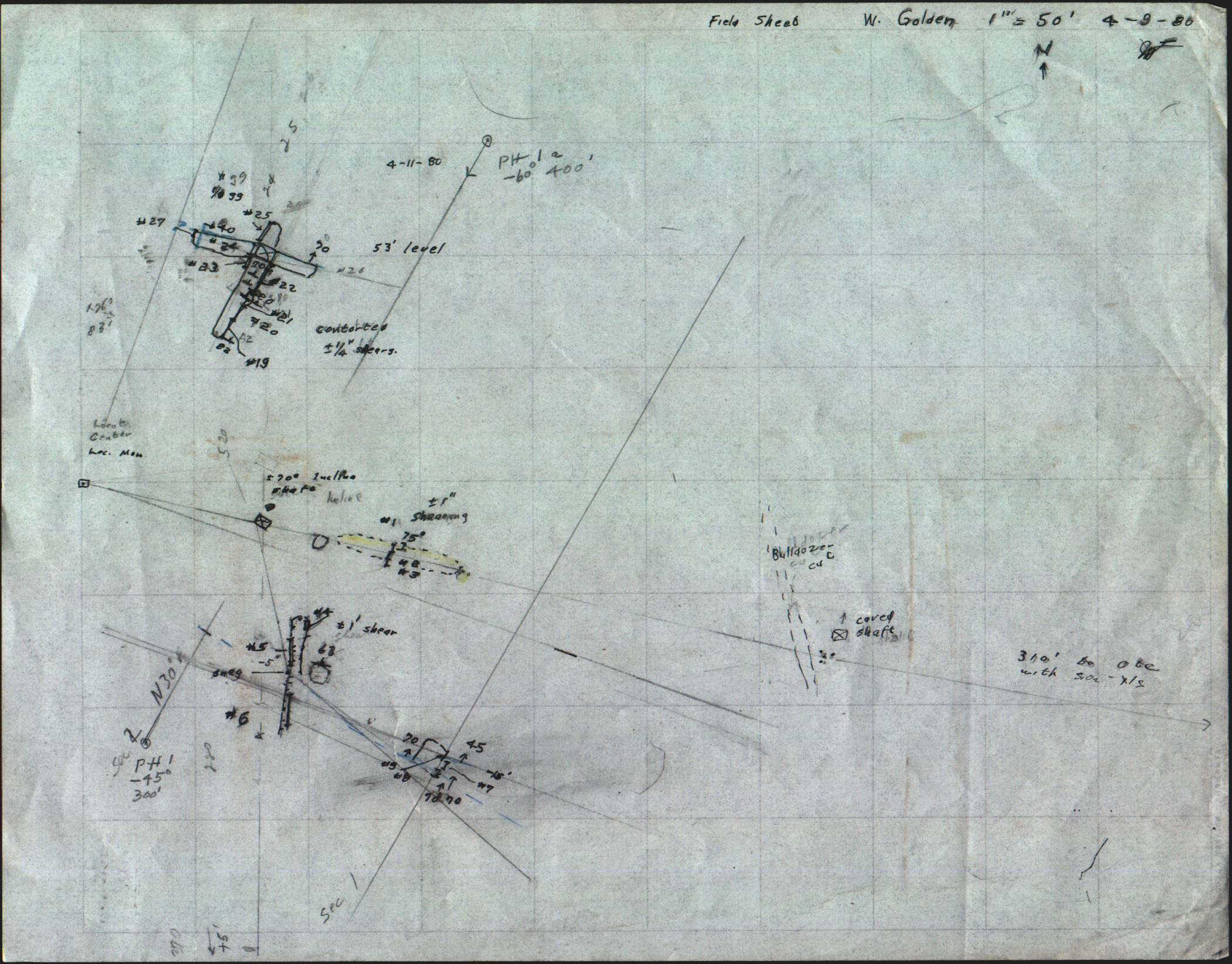
Ratio Au to Ag = 1.21

.010 x 45 2.42 = 1 to 242

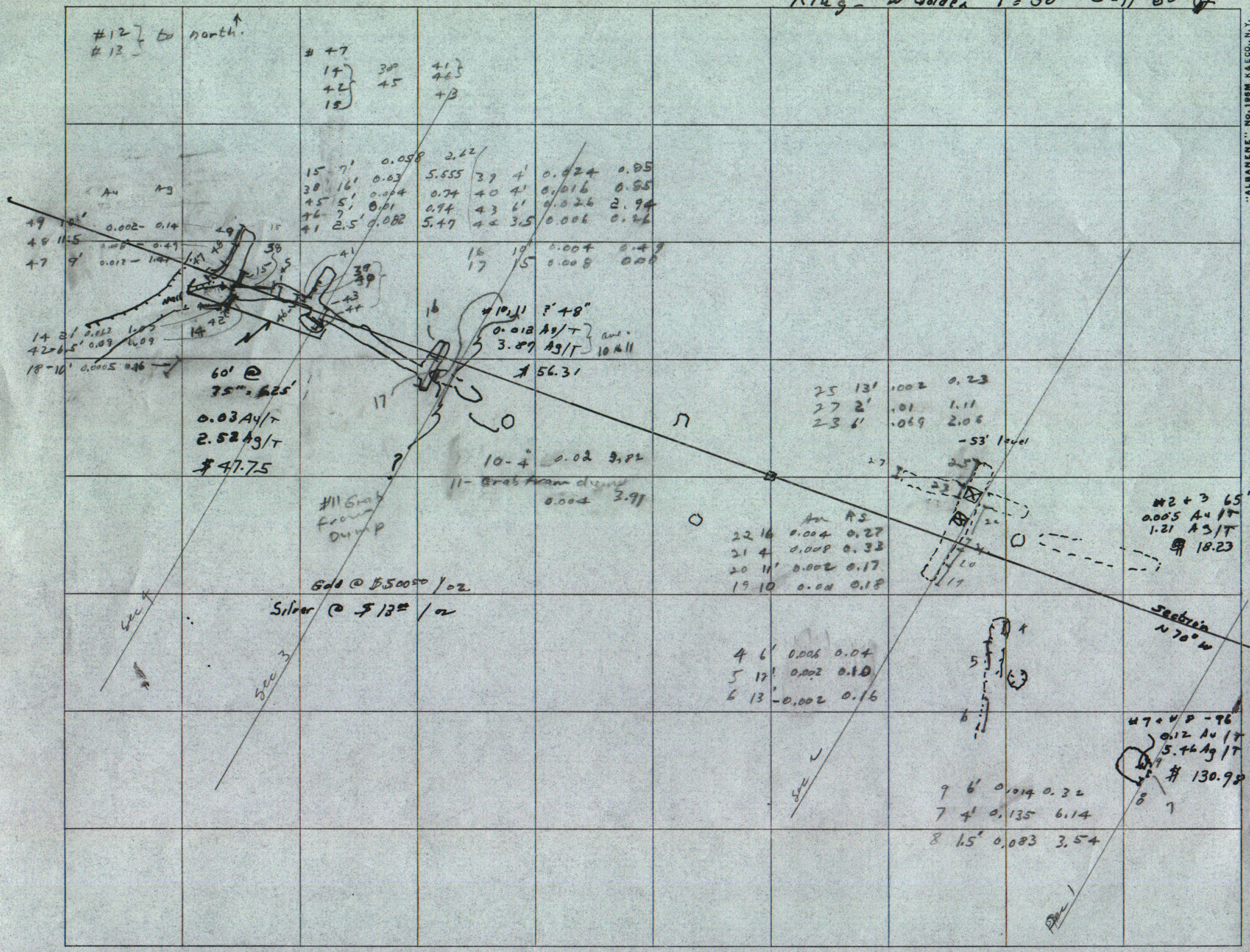
Field Sheet W. Golden Pt 1" = 50' 4-10-80

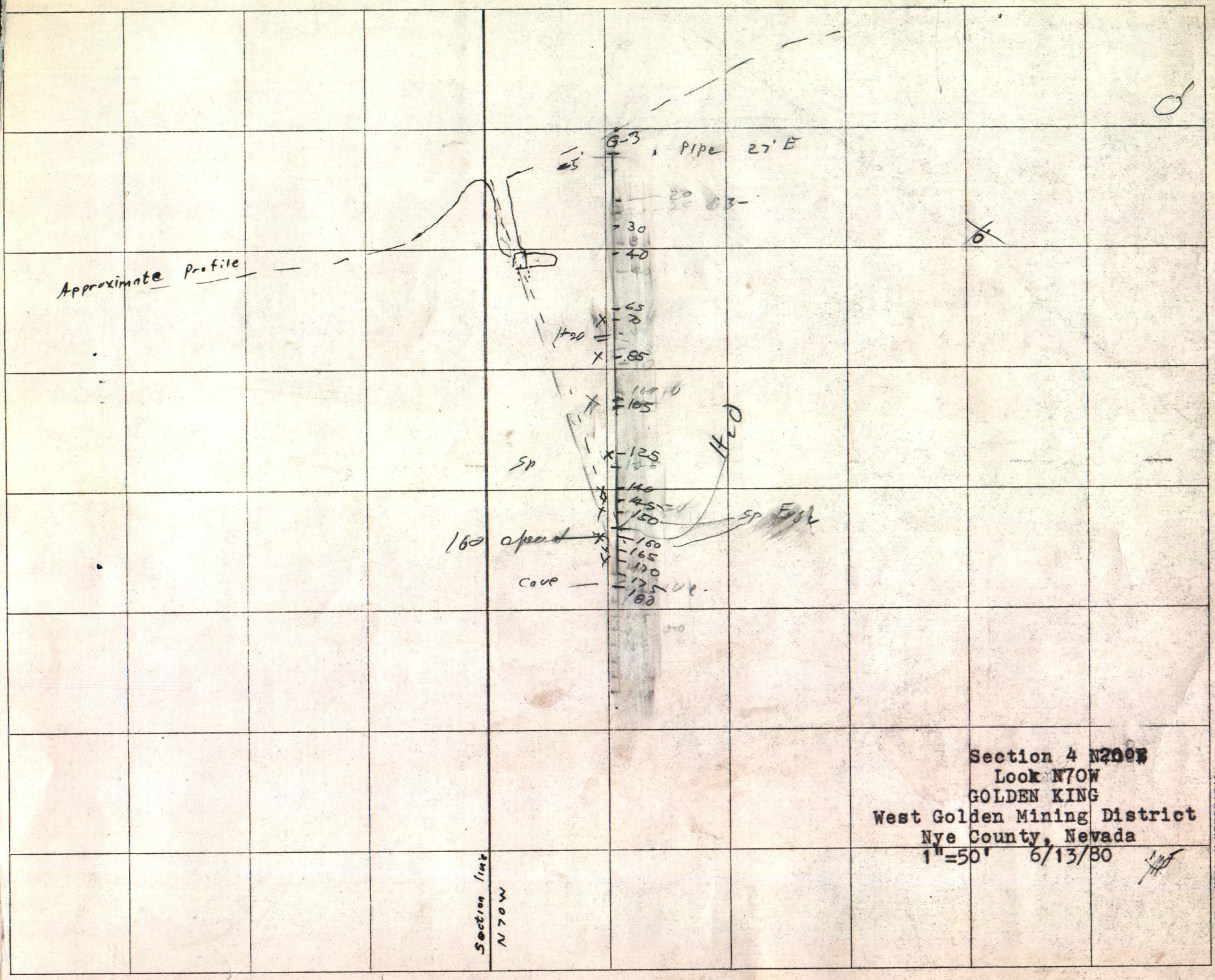


Field Sheet W. Golden 1" = 50' 4-9-80

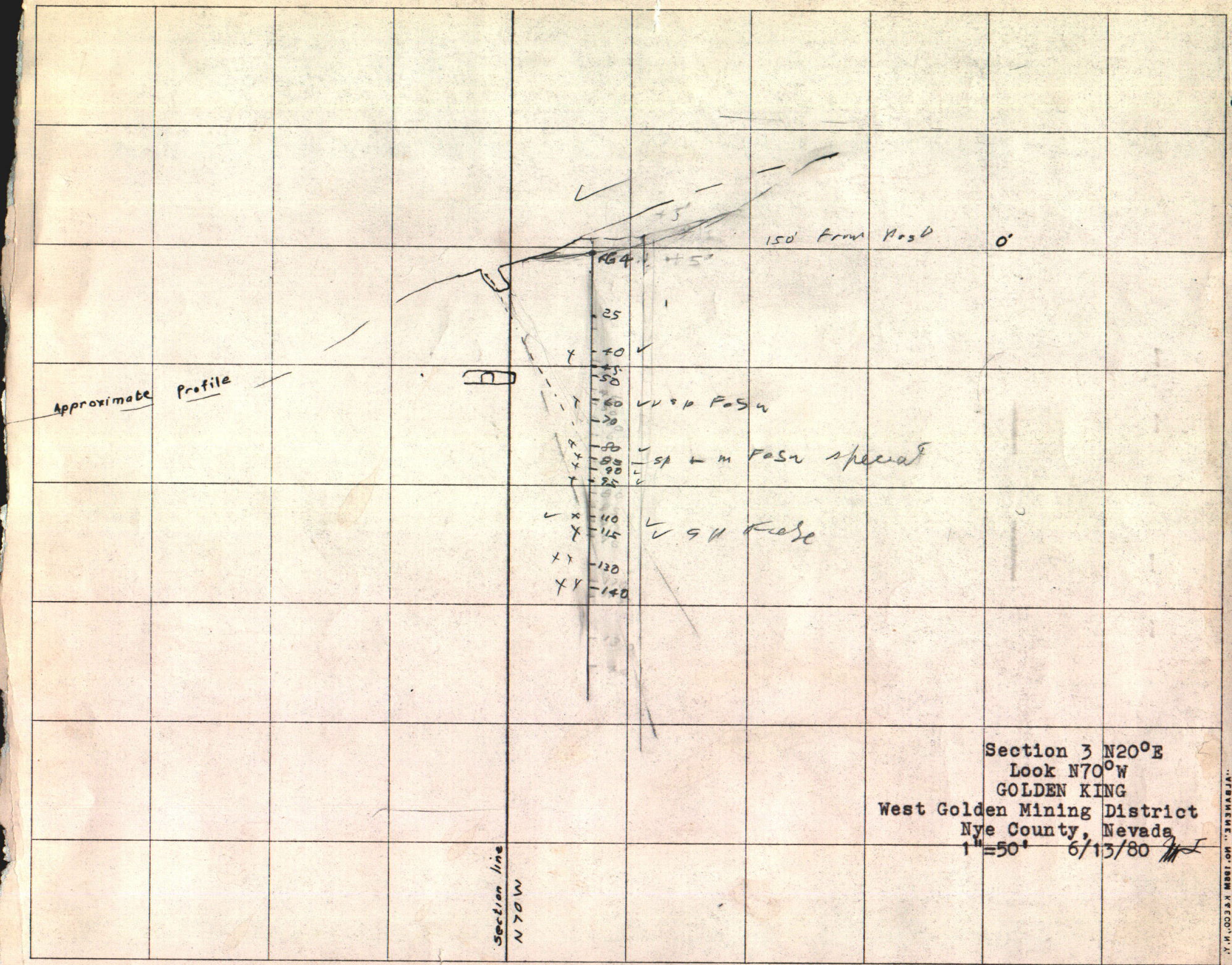


King - W Golden 1" = 50' 5-11-80 JF





Section 4 N20W
Look N70W
GOLDEN KING
West Golden Mining District
Nye County, Nevada
1"=50' 6/13/80



Section 3 N20°E
Look N70°W
GOLDEN KING
West Golden Mining District
Nye County, Nevada
1"=50' 6/13/80

N

72

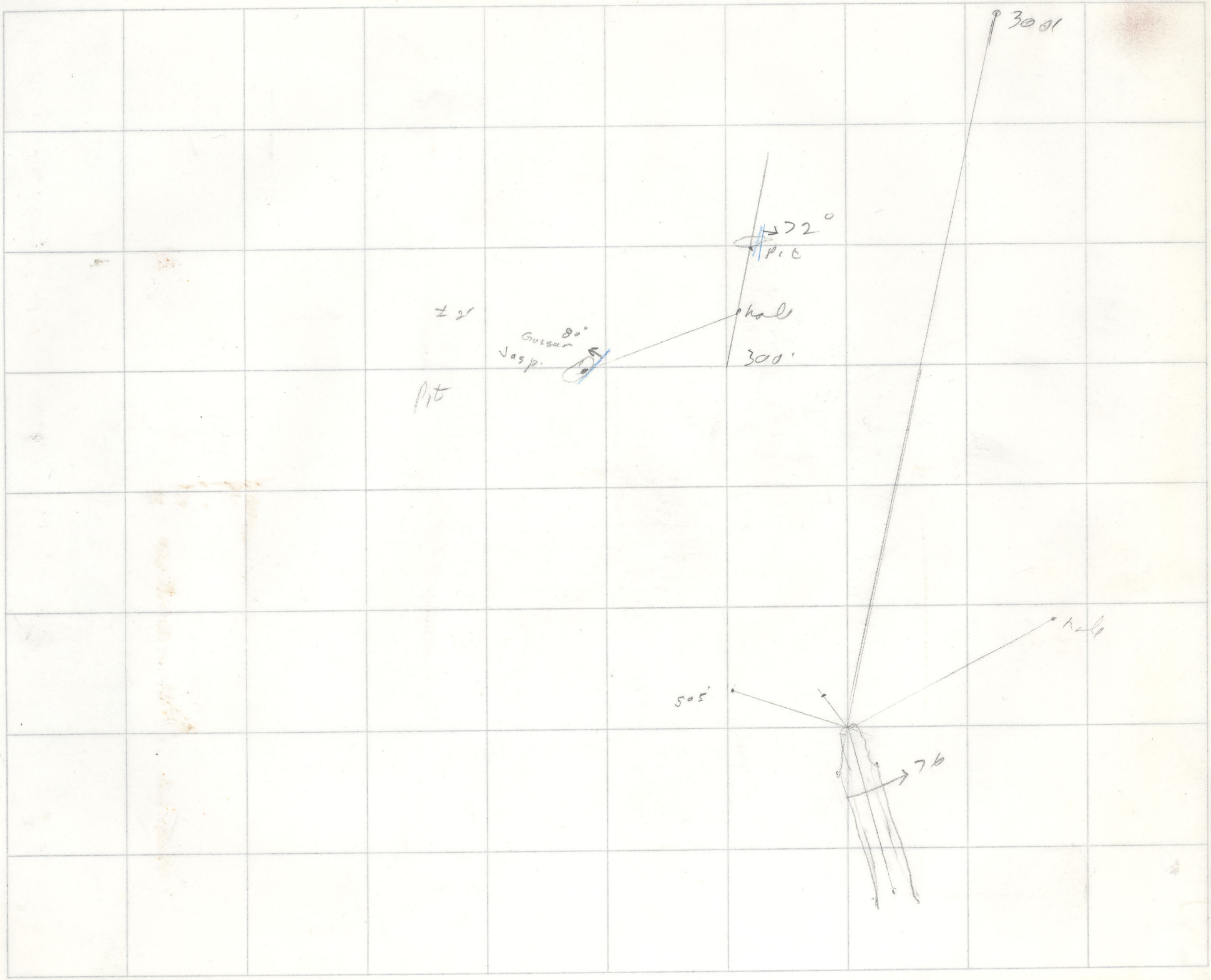
94

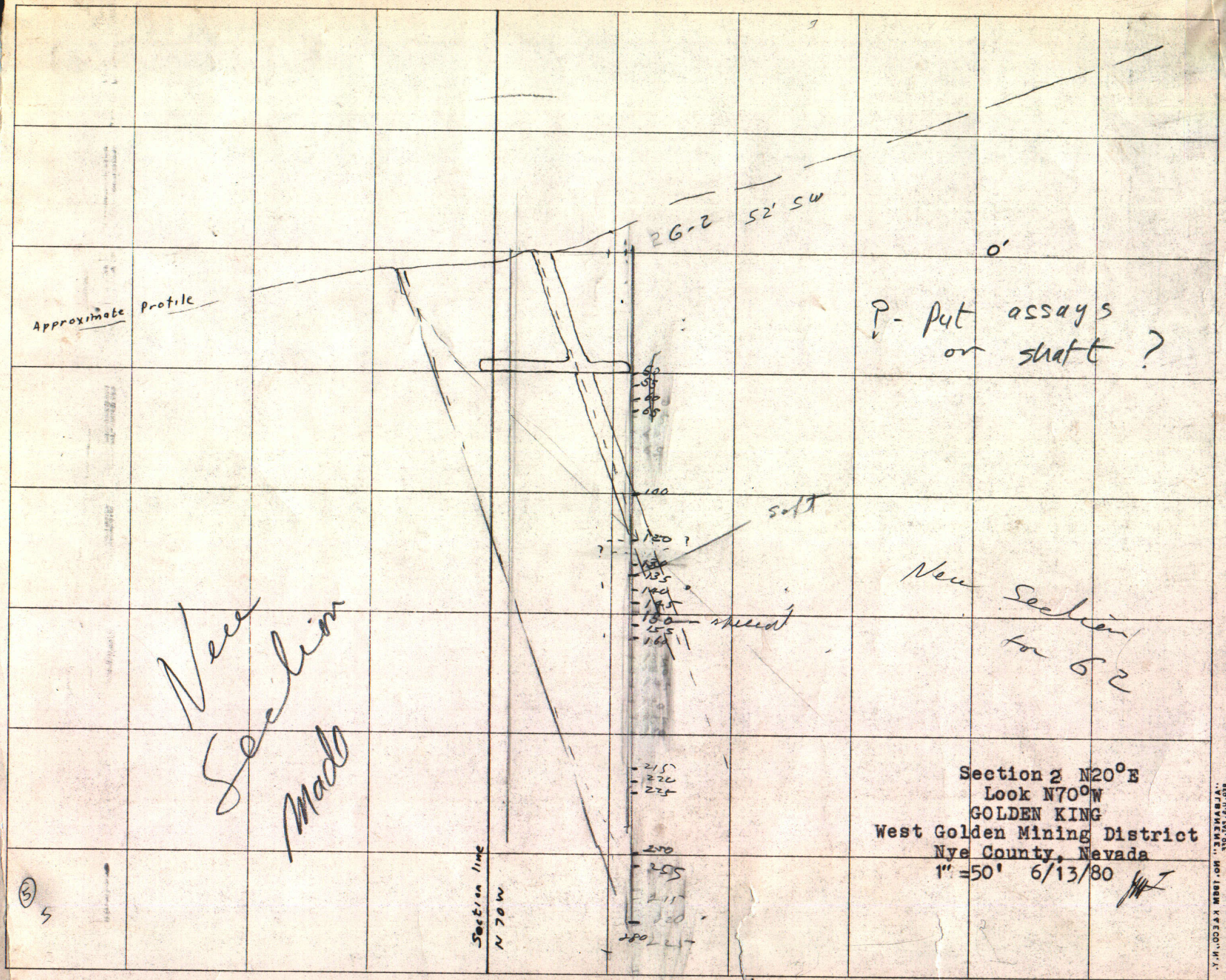
#2.

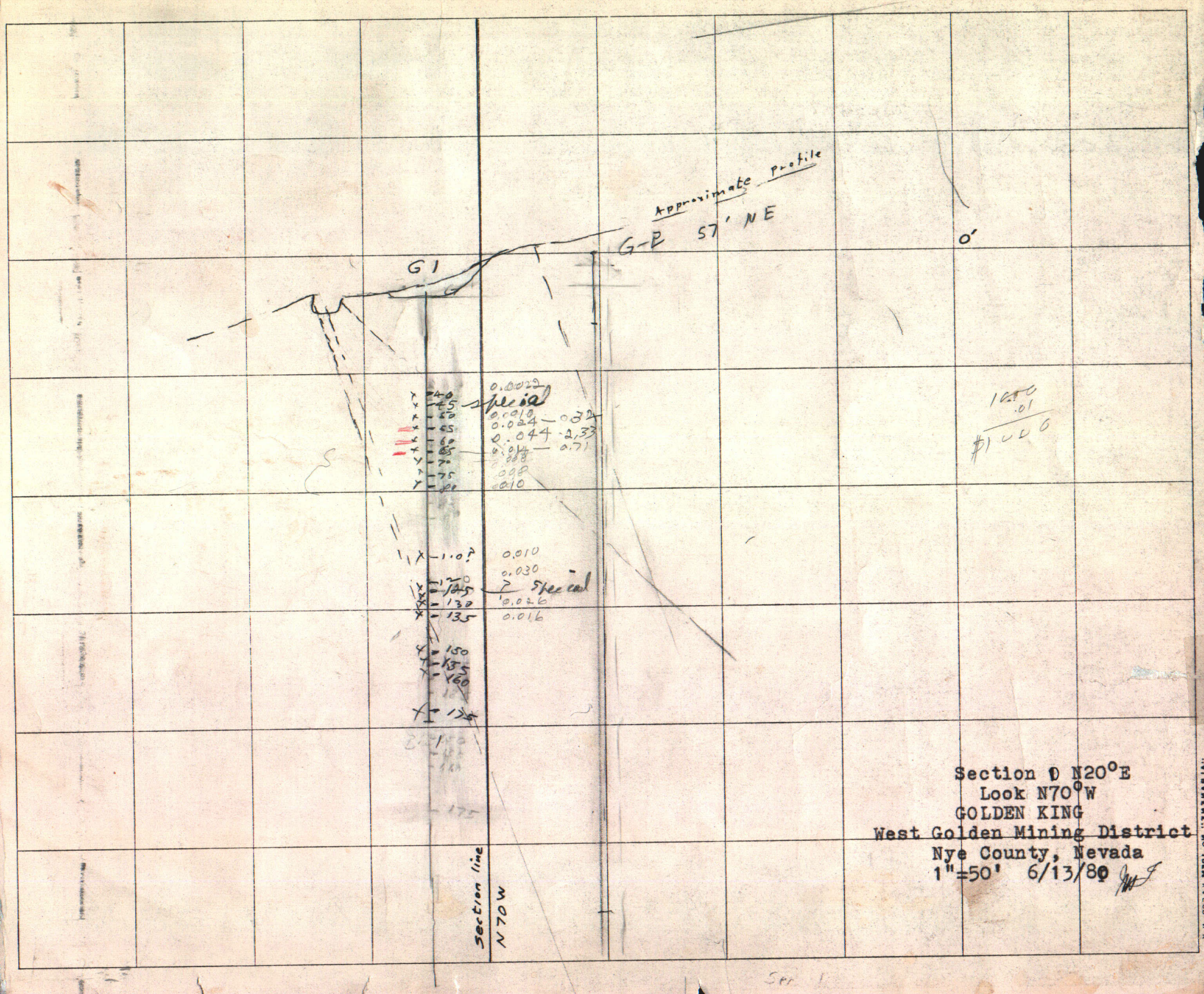
505

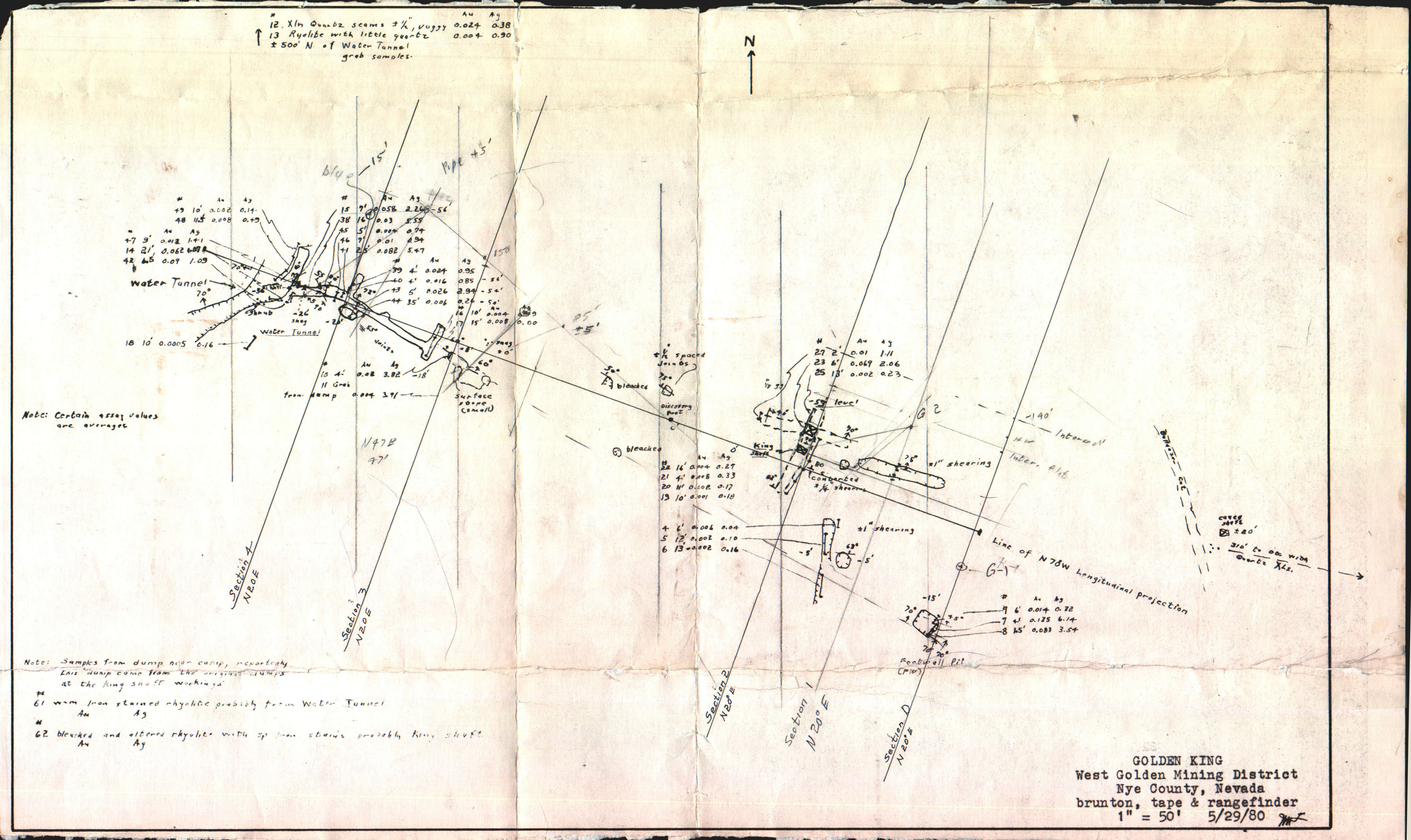
405 7.5-2 Ag

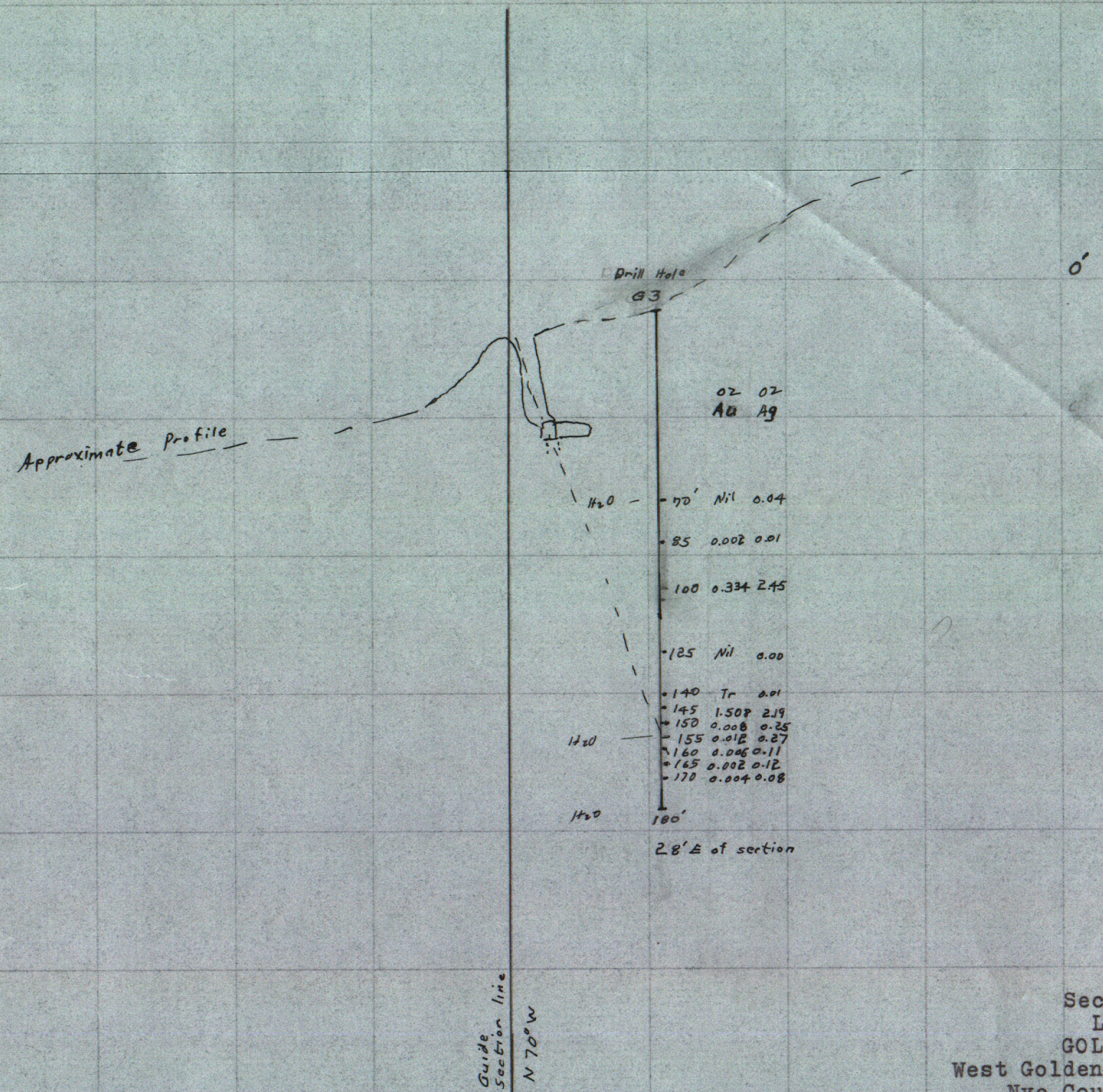
76


300'
72°
Pit
hole
300'
80°
Gussar
Vasp.
Pit
505'
76

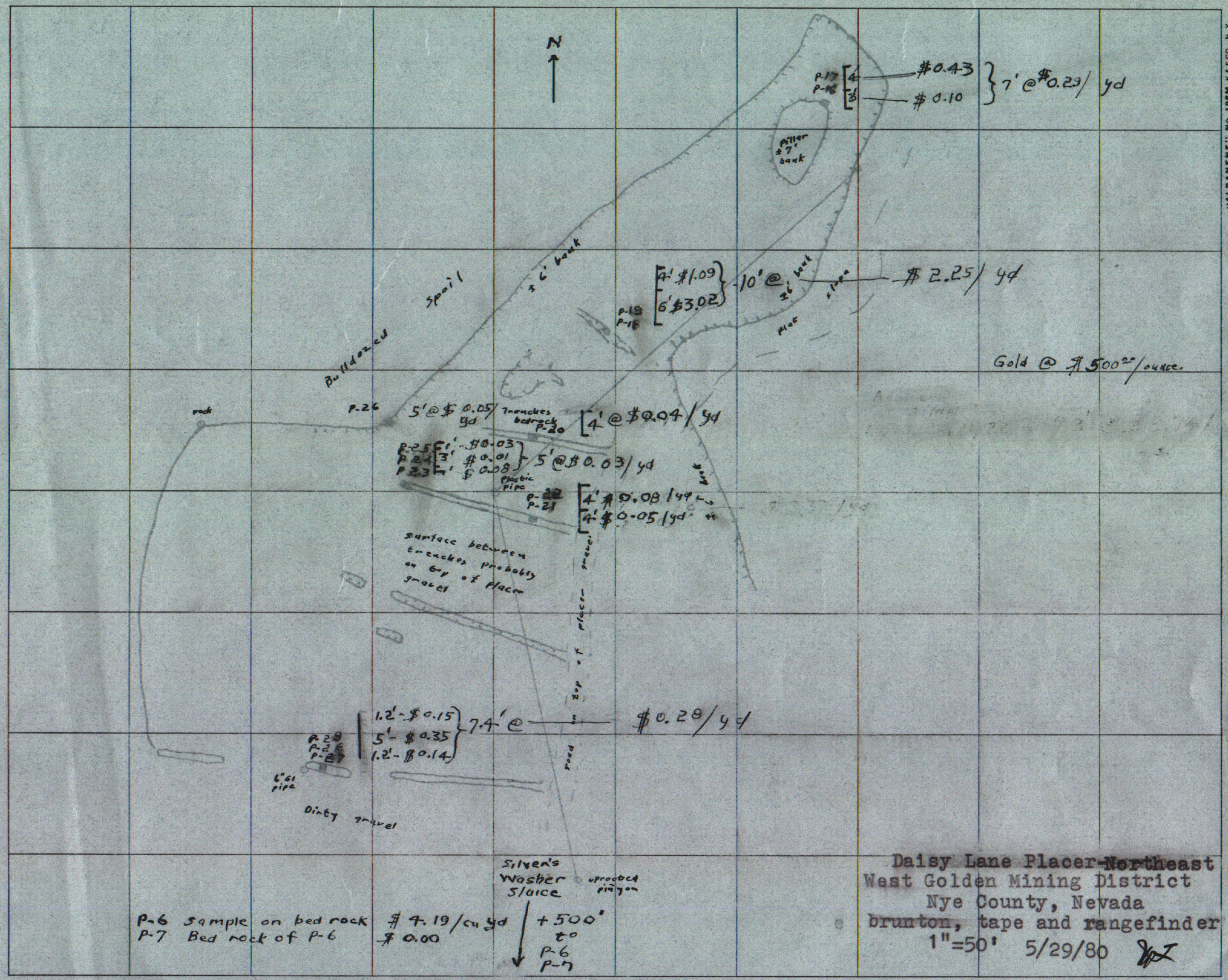

Approximate Profile
26-2 52' SW
0'
?- Put assays on shaft ?
50
55
60
65
100
120 ?
135
140
145
150
155
160
215
220
225
250
255
260
280
soft
shear
New Section for 62
New Section Made
Section line N 70 W
Section 2 N20°E
Look N70°W
GOLDEN KING
West Golden Mining District
Nye County, Nevada
1" =50' 6/13/80


Approximate profile
G-P 57' NE
G1
0'
40
45
50
55
60
65
70
75
80
0.0022
special
0.010
0.024 - 0.32
0.044 - 2.33
0.014 - 0.71
.008
.008
.010
1.0?
0.010
0.030
120
125
special
130
0.026
135
0.016
150
155
160
175
Section line
N 70 W
Section D N20°E
Look N70°W
GOLDEN KING
West Golden Mining District
Nye County, Nevada
1"=50' 6/13/80

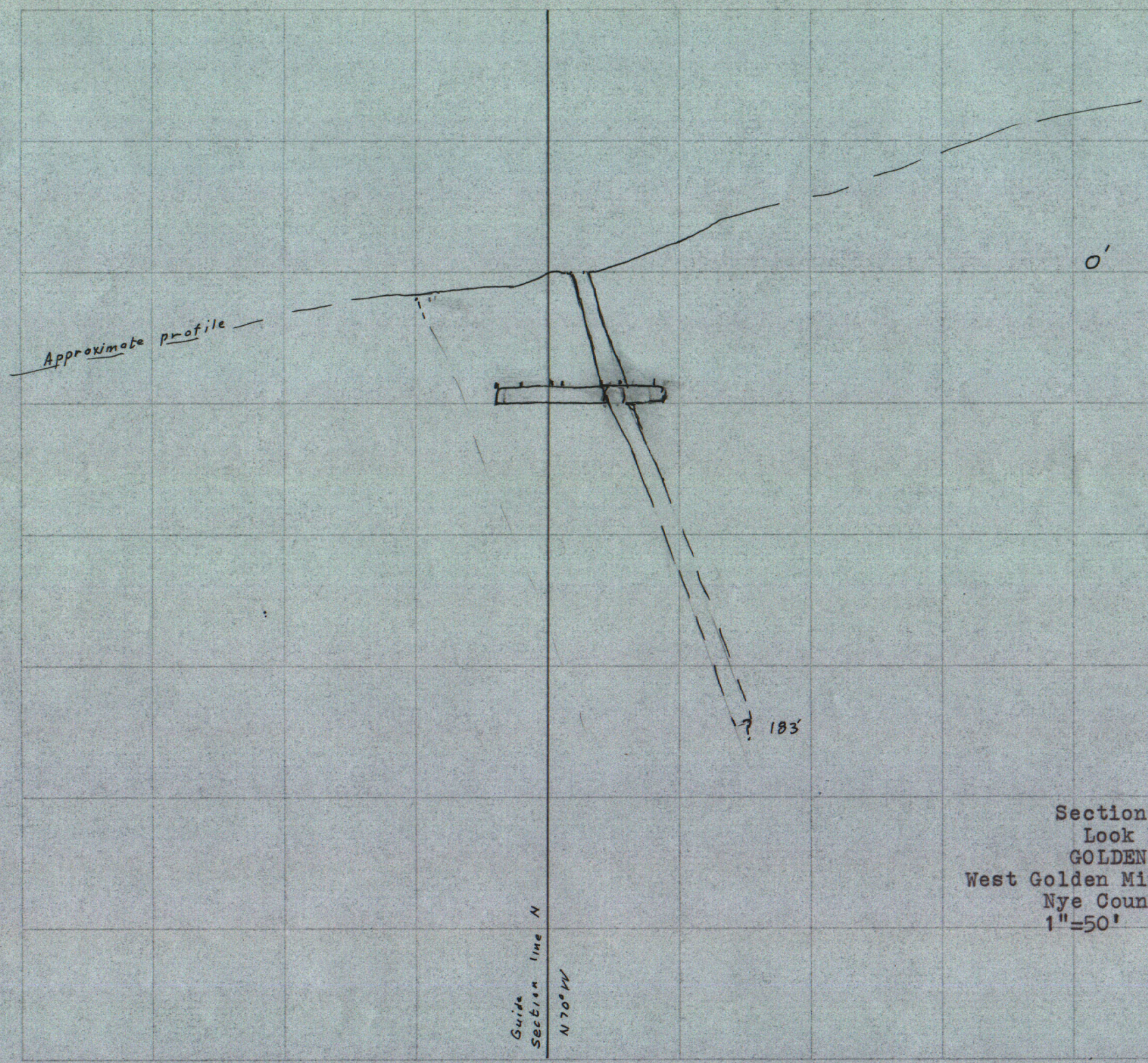

N
12. Xln Quartz seams ±1/4", vuggy 0.024 0.38
13 Rhyolite with little quartz 0.004 0.90
± 500' N. of Water Tunnel
grab samples.
Water Tunnel
Water Tunnel
Shrub
Note: Certain assay values are averaged
N47E
47'
Section 4
N20E
Section 3
N20E
Section 2
N20E
Section 1
N20E
Section D
N20E
Line of N78W Longitudinal projection
Surface stope (small)
Discovery post
King Shaft
Footwall Pit (FW)
Note: Samples from dump near camp, reportedly this dump came from the original dumps at the king shaft workings.
61 iron stained rhyolite probably from Water Tunnel
Au Ag
62 bleached and altered rhyolite with sp iron stains probably King shaft.
Au Ag
GOLDEN KING
West Golden Mining District
Nye County, Nevada
brunton, tape & rangefinder
1" = 50' 5/29/80



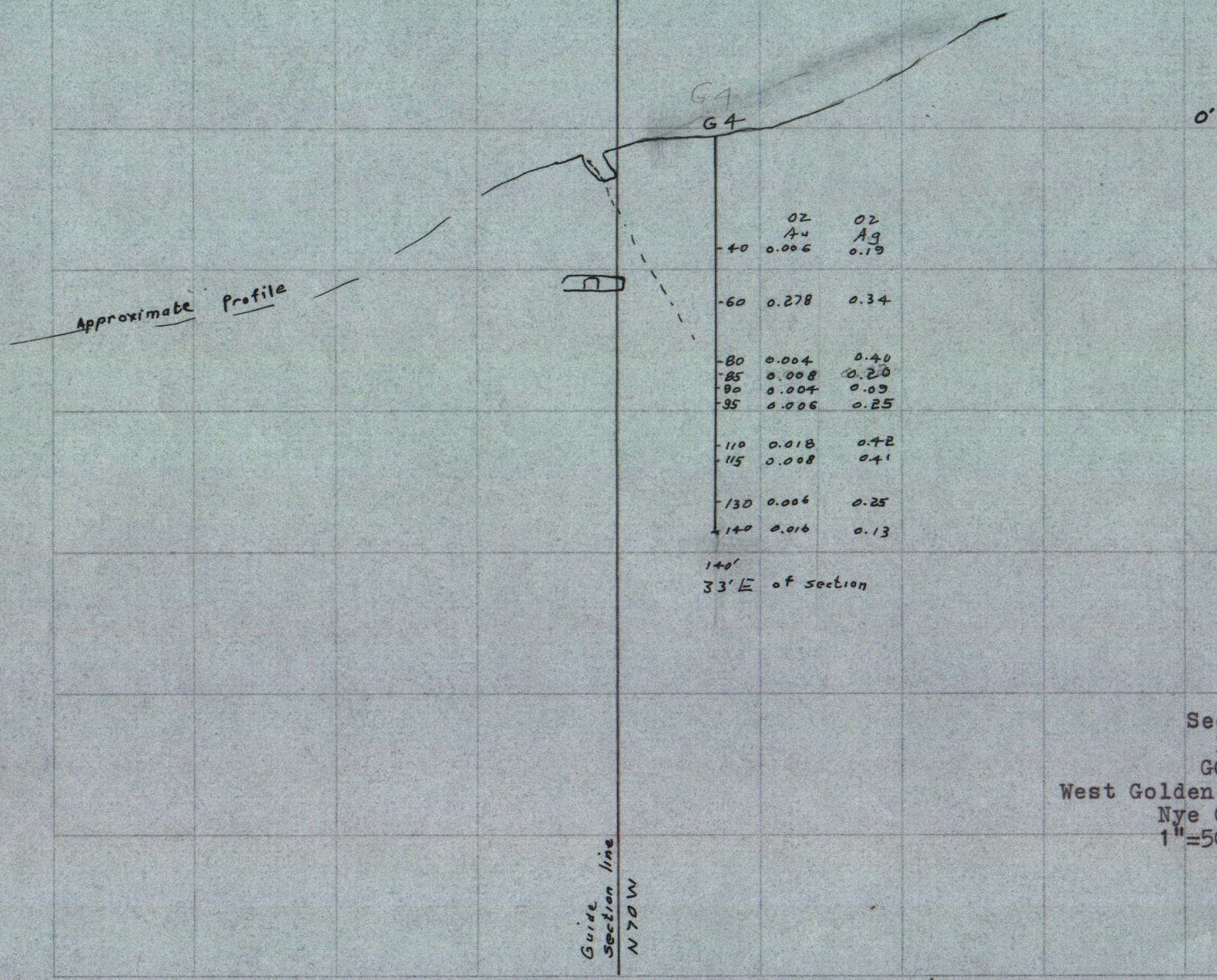
Section 4 N200E
Look N70W
GOLDEN KING
West Golden Mining District
Nye County, Nevada
1"=50' 6/13/80



Daisy Lane Placer-Northeast
West Golden Mining District
Nye County, Nevada
brunton, tape and rangefinder
1"=50' 5/29/80



Section 2 N20°W
Look N70°E
GOLDEN KING
West Golden Mining District
Nye County, Nevada
1"=50' 6/13/80



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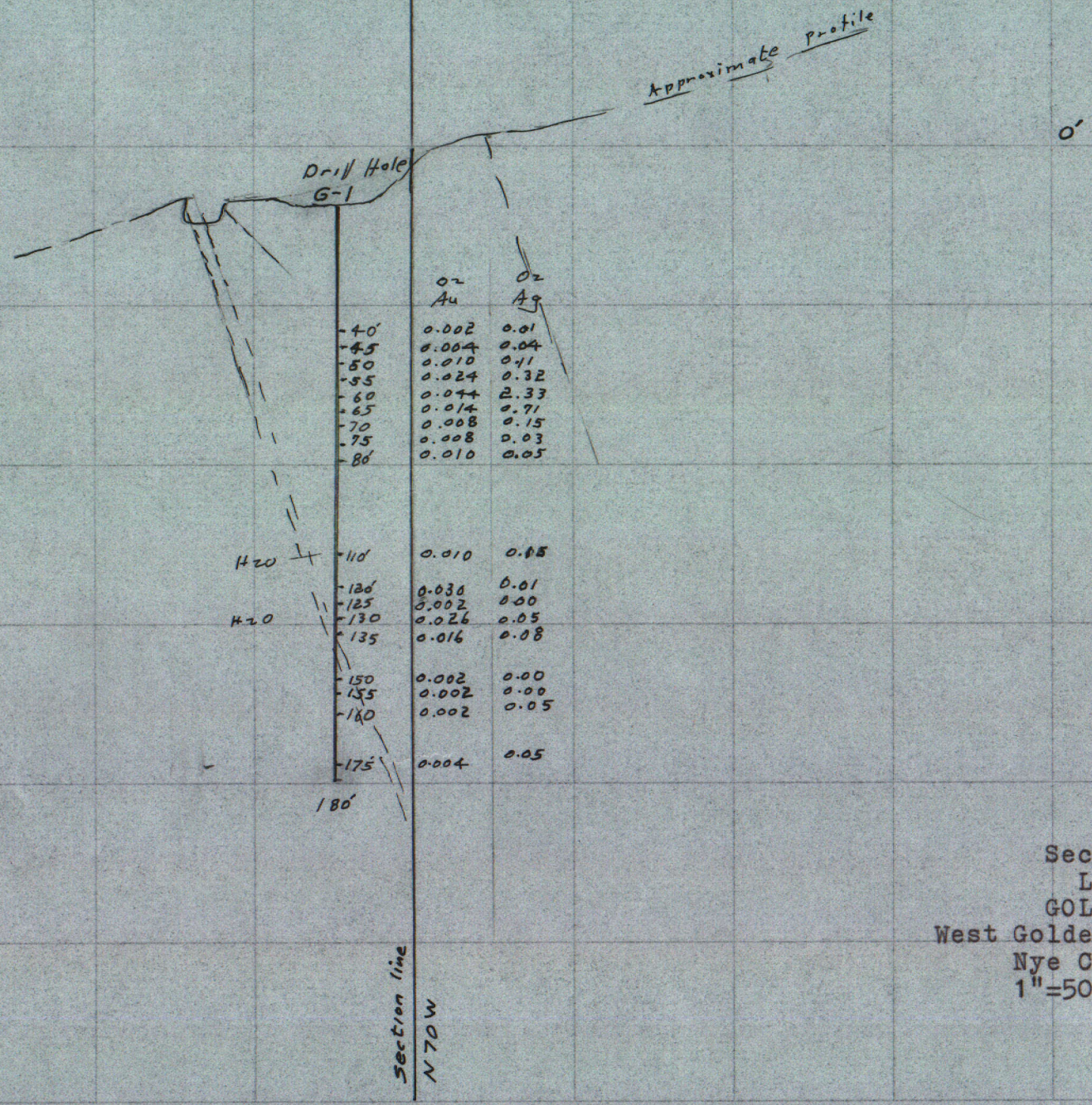
80	0.004	0.40
85	0.008	0.20
90	0.004	0.09
95	0.006	0.25
110	0.018	0.42
115	0.008	0.41
130	0.006	0.25
140	0.016	0.13

140'
33' E of section

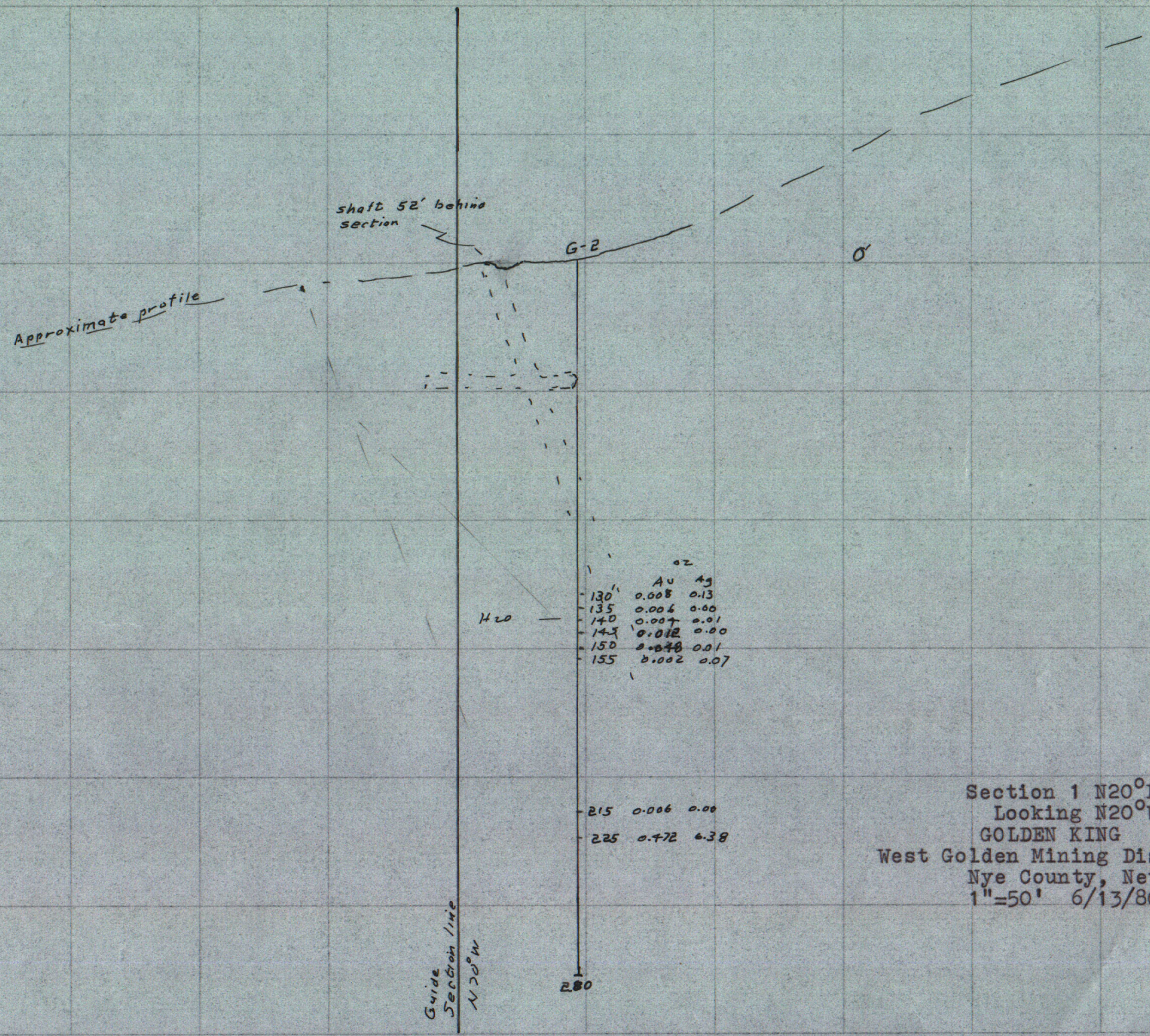
Section 3 N20°E
Look N70°W
GOLDEN KING
West Golden Mining District
Nye County, Nevada
1"=50' 6/13/80



	Oz Au	Oz Ag
40'	0.002	0.01
45	0.004	0.04
50	0.010	0.41
55	0.024	0.32
60	0.044	2.33
65	0.014	0.71
70	0.008	0.15
75	0.008	0.03
80'	0.010	0.05
110'	0.010	0.05
120'	0.030	0.01
125	0.002	0.00
130	0.026	0.05
135	0.016	0.08
150	0.002	0.00
155	0.002	0.00
160	0.002	0.05
175'	0.004	0.05
180'		

Section 0 N20°E
Look N70°W
GOLDEN KING
West Golden Mining District
Nye County, Nevada
1"=50' 6/13/80

Sec 1



Section 1 N20°E
Looking N20°W
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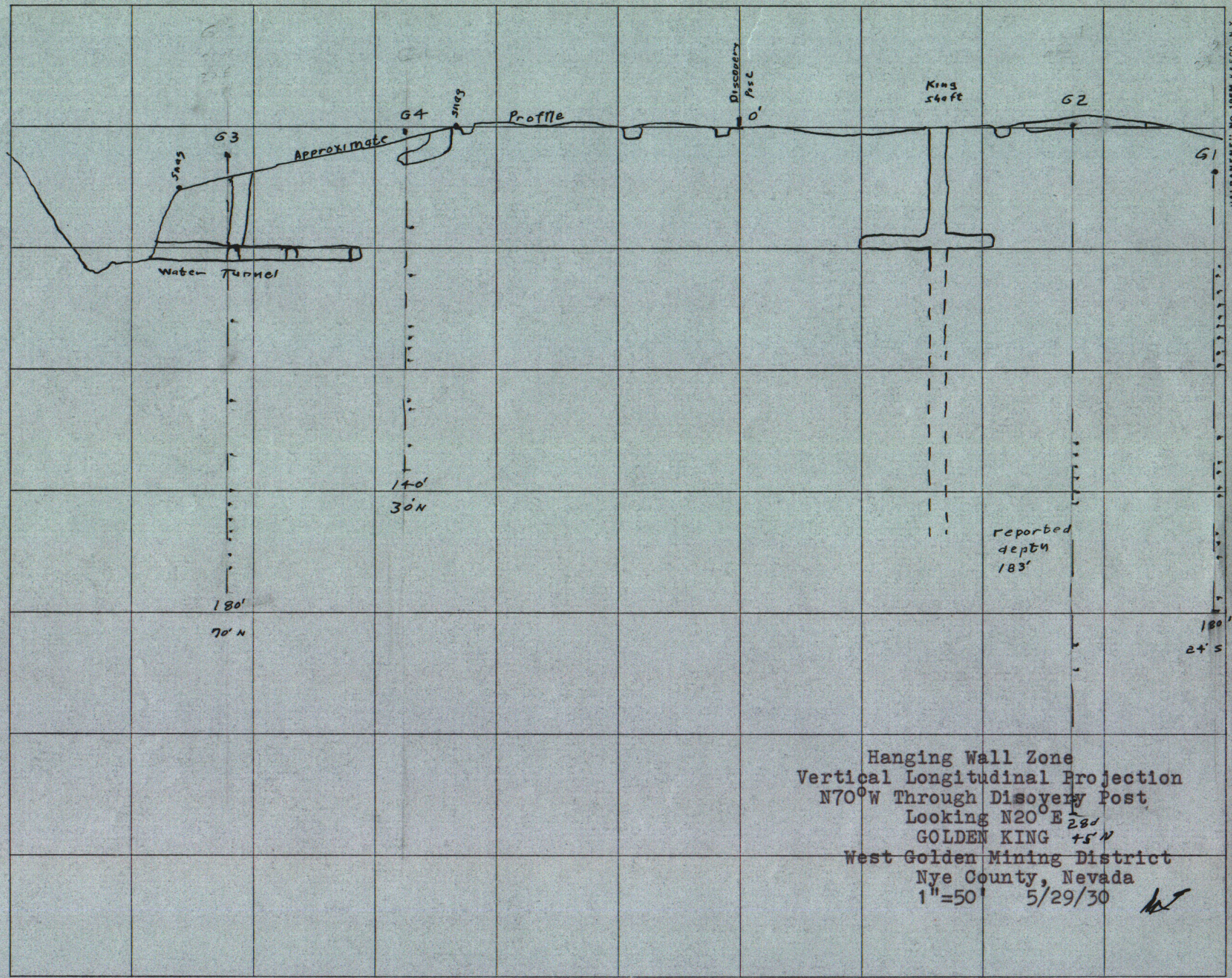
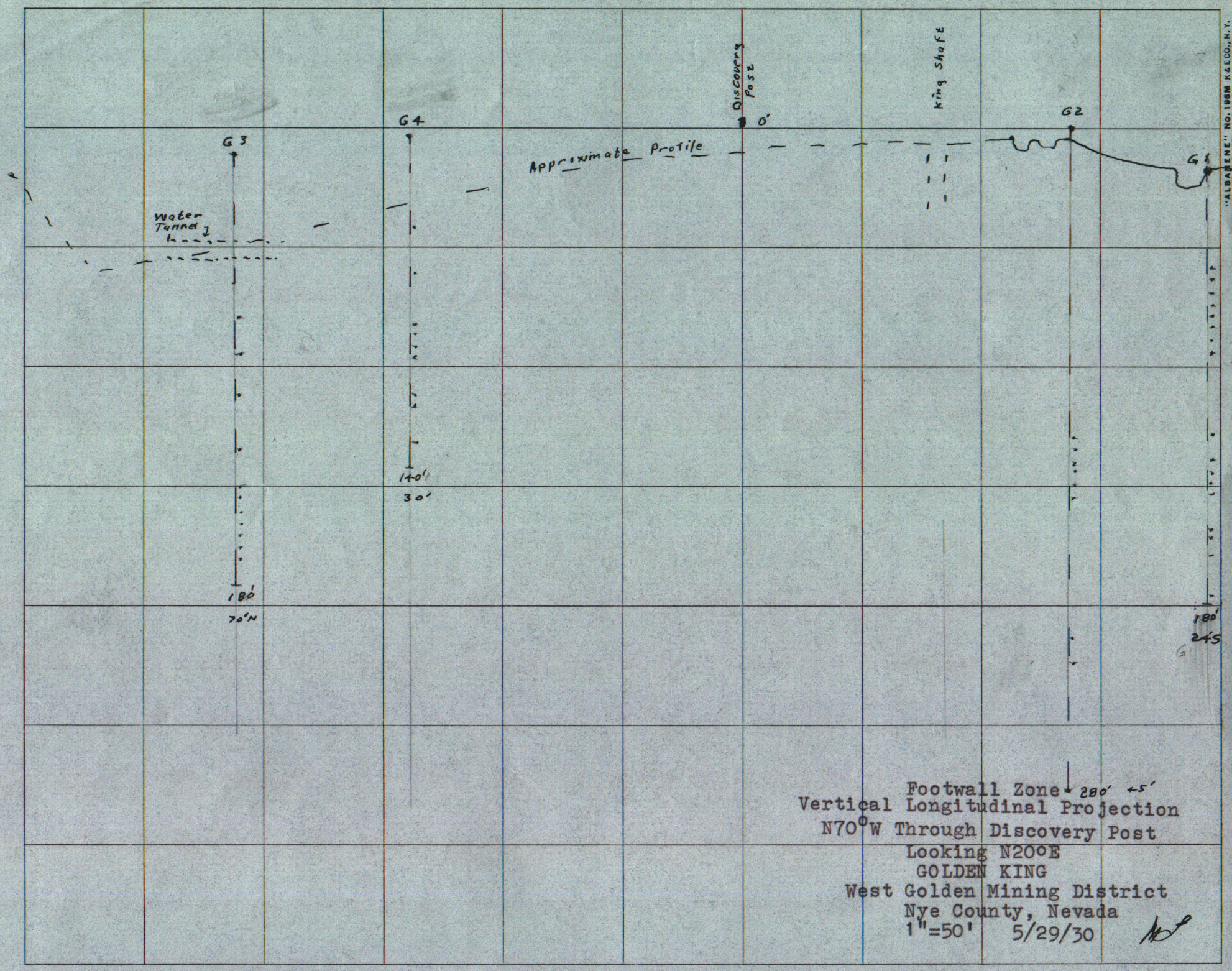
Nye County, Nevada
1"=50' 6/13/80


Profile
Approximate
Slag
G3
G4
Slag
Water Tunnel
Discovery Post
0'
King 540 ft
G2
G1
140'
30' N
180'
70' N
reported depth 183'
180'
24' S
Hanging Wall Zone
Vertical Longitudinal Projection
N70°W Through Disovery Post
Looking N20°E
GOLDEN KING
West Golden Mining District
Nye County, Nevada
1"=50'
5/29/30



Vertical Longitudinal Projection
N70°W Through Discovery Post
Looking N20°E
GOLDEN KING
West Golden Mining District
Nye County, Nevada
1"=50' 5/29/30