URBD 70406 DRILL

MISC DRILL HOLE SURVEY NOTES

Steves' Drainage Map

60008653

t tag in middle of beach 9-9-88
sample

Road Survey to Saddle on South Ridge

			feet
	Saddle to #	A6282	142'
	A6282 to	A6283	163'
	A6283	A6284	316'

			feet
from center of switchback heading to upper Rd to W		#A5767	32'
	A5767 to possibly A GAP ?	5766	51'
OB+CPS	GAP ←	5765	76'
		A6299	109'
OB	GAP ←	A6298	120'
		6297	330'
OB+ CPS	GAP ←	6296	350'
		6295	419'
OB	GAP ←	6294	436'
		6293	447'
		6292	458'
		6291	466'
		6290	487'
small OB	GAP ←	6289	525'
CPS	GAP ←	6288	576'
		6287	588'
CPS	GAP ←	6286	666'
		6285	690'
switchback to low Rd →		A5768	176'

CPS - could potentially sample
OB - overburden

Dozer hill trench

N35W

~ 10' W of upper ~~incline~~ decline

trench length

88'

Ridge Trench Survey

9-9-88

beginning s end of road

end of Rd to middle of sample → #A6347 11'

A6347 to A6373 → mid of samp 25'

A6372 to A6371 → begin of samp 38'

A6371 to A6340 → end of samp 48'

A6370 to AA6348 66'

A6349 84'

A6350 94'

6351 106'

6352 114'

6353 122'

6354 134'

6355 144'

6356 154'

6357 164'

6358

6359

6360

6361

6362

63

64

65

66

67

68

69

70

164' from A6357 to N bearing N 2° W

164' from A6357 to A6342 bearing S 7° E

A6342 to S.end of trench 310' chip samples

end of trench 308'

$$\frac{84}{888}$$

$$\frac{27}{61}$$
$$95$$

$$\frac{38}{484}$$
$$525$$

$$\frac{69}{350}$$
$$614$$

$$380 \div 20$$
$$20 \overline{)380}$$
$$\frac{1}{21}$$

RE-42 to SR 3N 3W

108.0' N 64 E

to N57E 18' to center Rd

to 199' N 42 W 9° (197')

to 95.0' 9° N81W in switchback

intersection (94')

71' to collar RL-43

107.5 to end Rd S72W 1°

(167')
169' 8° N58E down to 2nd
switchback

92' S67E -1° to end of switchback

125 (124') N51W -5.5°

106' N75W 9° (105')

(180) 181' 6° S86W to end of Rd switchback

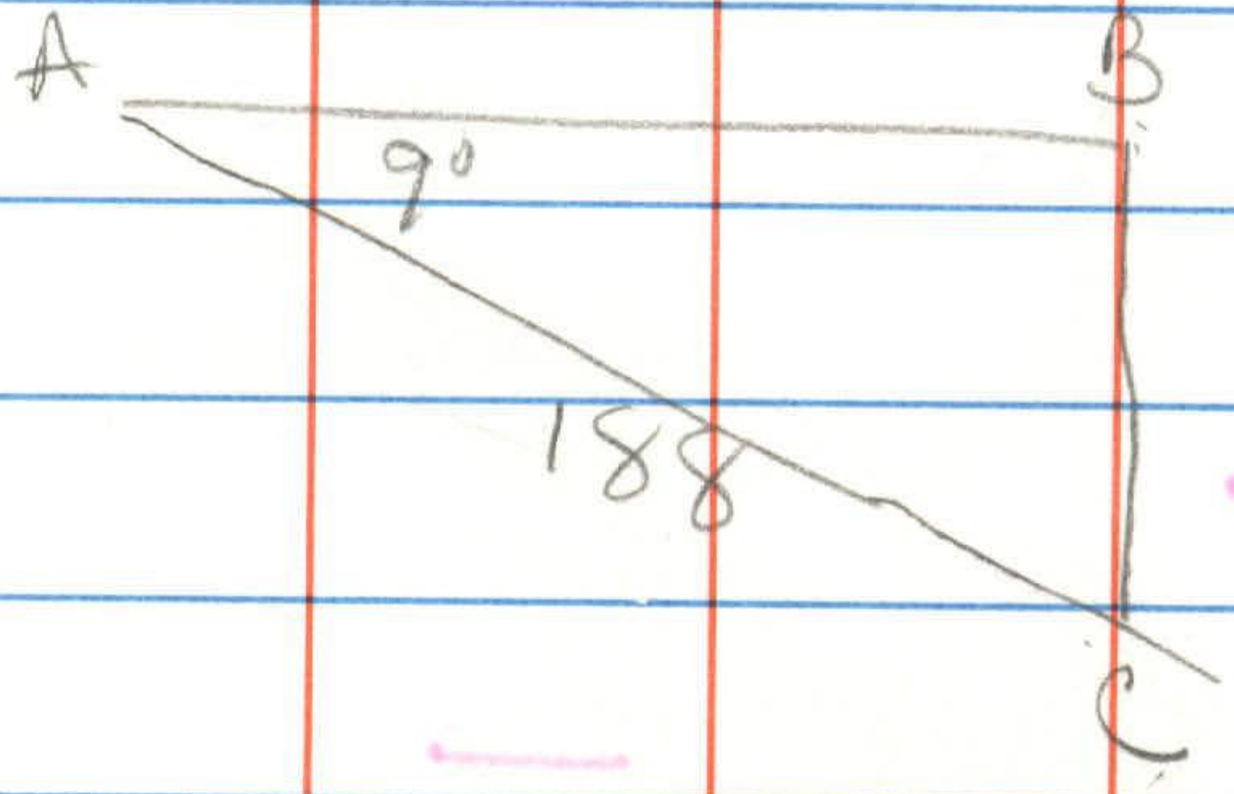
(171) 172' 5° N54°E to RL-44

272' N21W 10° to RL-45

(268)

AB · cos ϕ

NO. 455 TELEDYNE



$$AB = AC \cdot \sin \gamma$$

5-21-90 North Equinox

Drill hole Survey Notes

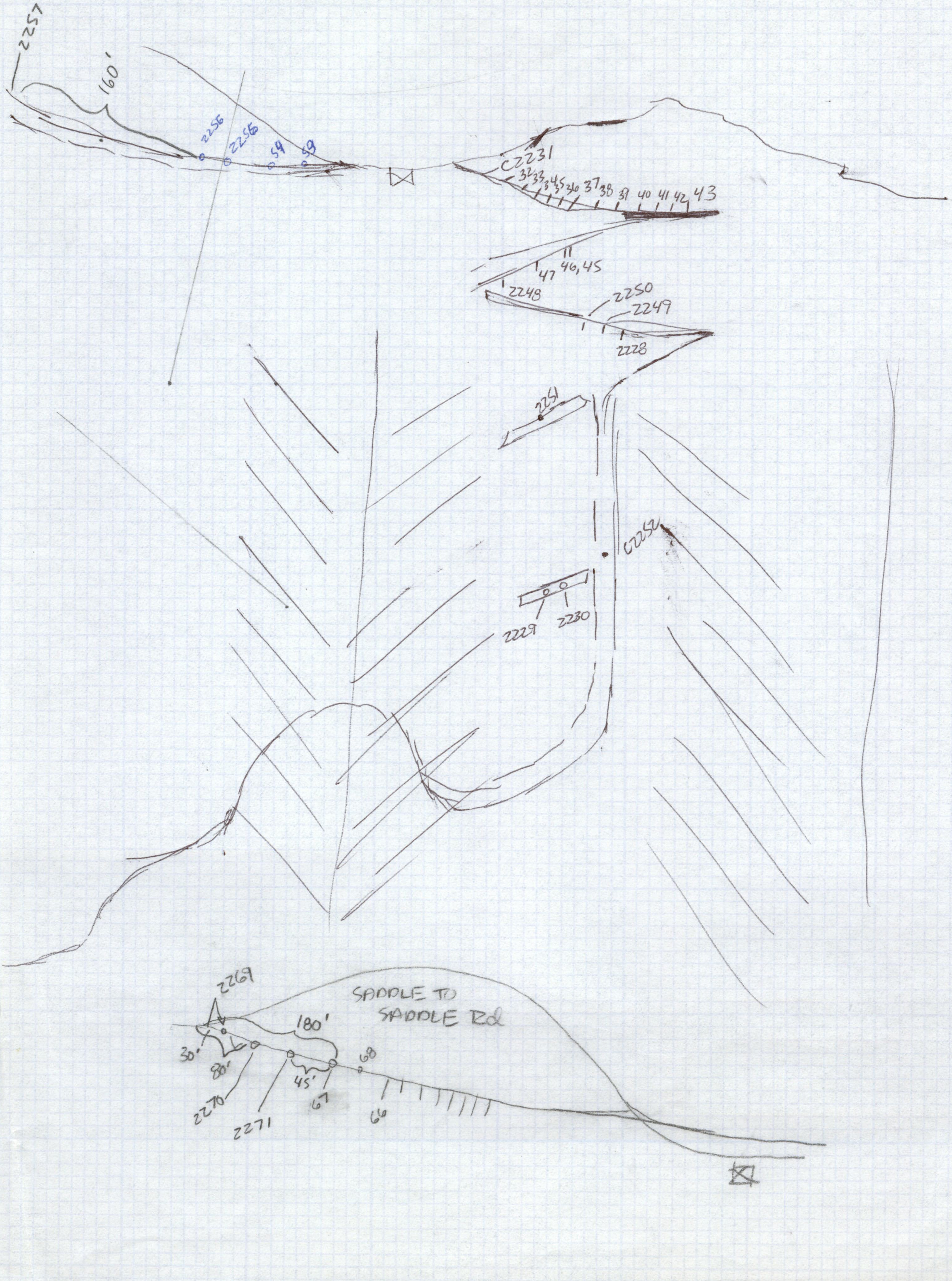
From:	To	Bearing	Distance	Inclination
RL-87	RL-84	S32°E	328'	1°
Surveyed Monument 212'	RL-87	N21E	367'	24° (44%)
RL-85	RL-86	S82W	310'	1°
RL-86	survey monument	N59.5°W	890'	0-85' -15° 85-890 -20°

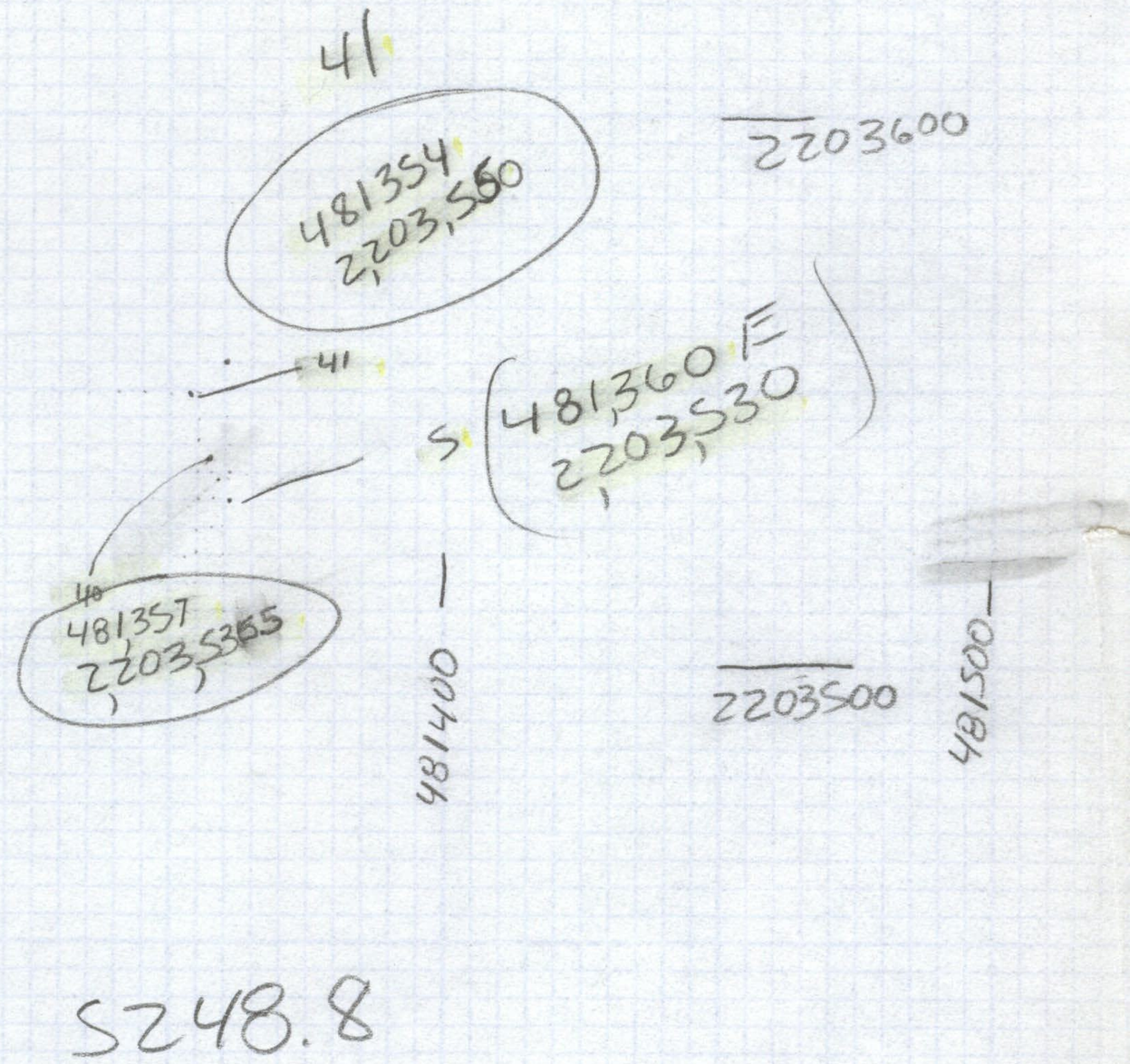
WHITE ALPS DRILL HOLE SURVEY NOTE

From	To	Bearing	Distance	Inclination
RL-83	RBP-20	N 25 E	415°	1°

193'

S


2257
160'
2256
2256
54
59
C2231
32
33
34
35
36
37
38
39
40
41
42
43
47
46,45
2248
2250
2249
2228
2251
C2252
2229
2230
2269
180'
30'
80'
2270
2271
45'
67
66
68
SADDLE TO
SADDLE Rd


41
481354
2203560
2203600
41
S
481360 E
2203530
40
481357
2203535
481300
481400
2203500
481500

S248.8

RE-7 to RE-55
S 6° E 14'

LOCATION of RE-52 from RE-25
51' 12° diff @ 22% grade
N 75W sur 60° hole

Note:

RE-56

225-230
225-230A is actually 230-235
caught @ 260-265
no 260-265 taken
start @ 270-275
shift all values when received
from GSI beginning @ 225-230
shift all and up into position
of 260-265

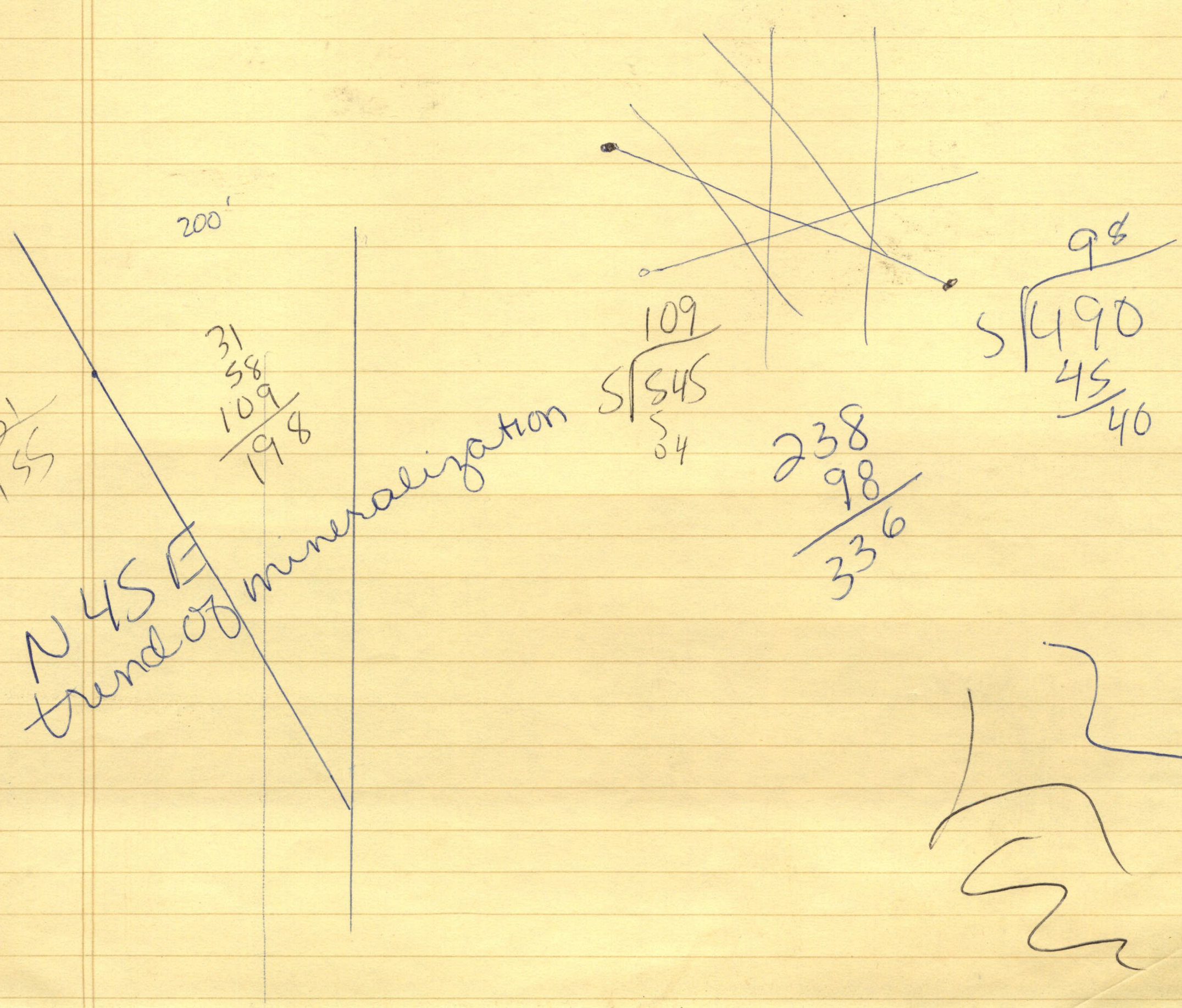
Saddle SHAFT TO RL-42 S82W 196'

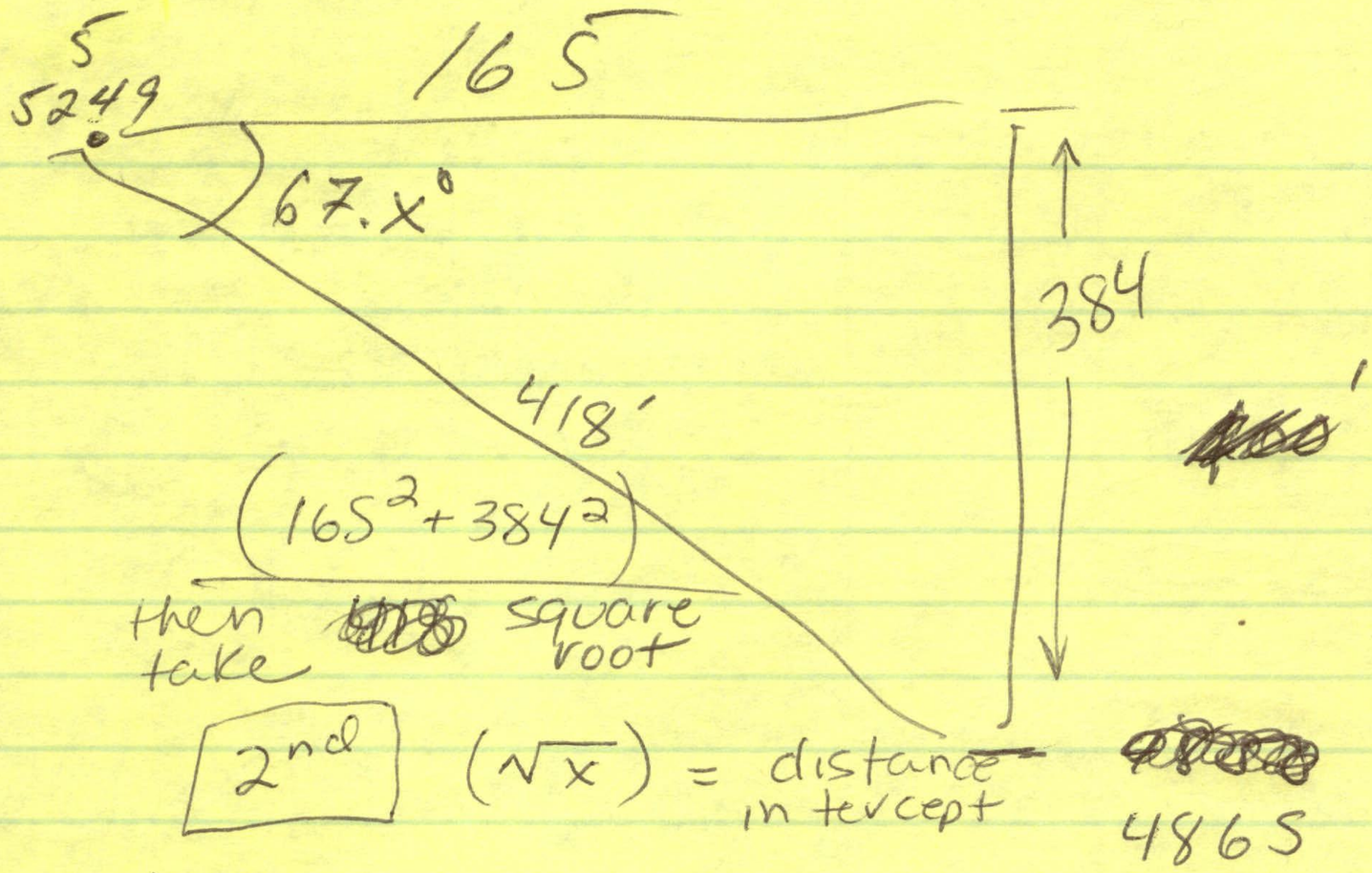
N flank off Southridge pad to pad 264'

Hole W of RE-7

either S 85 E
or S65E → along drainage ~ 210' out
from existing pad

@ S65E
RE-7 to option (S85E) N85W 317
option to (S65E) N25W 71'





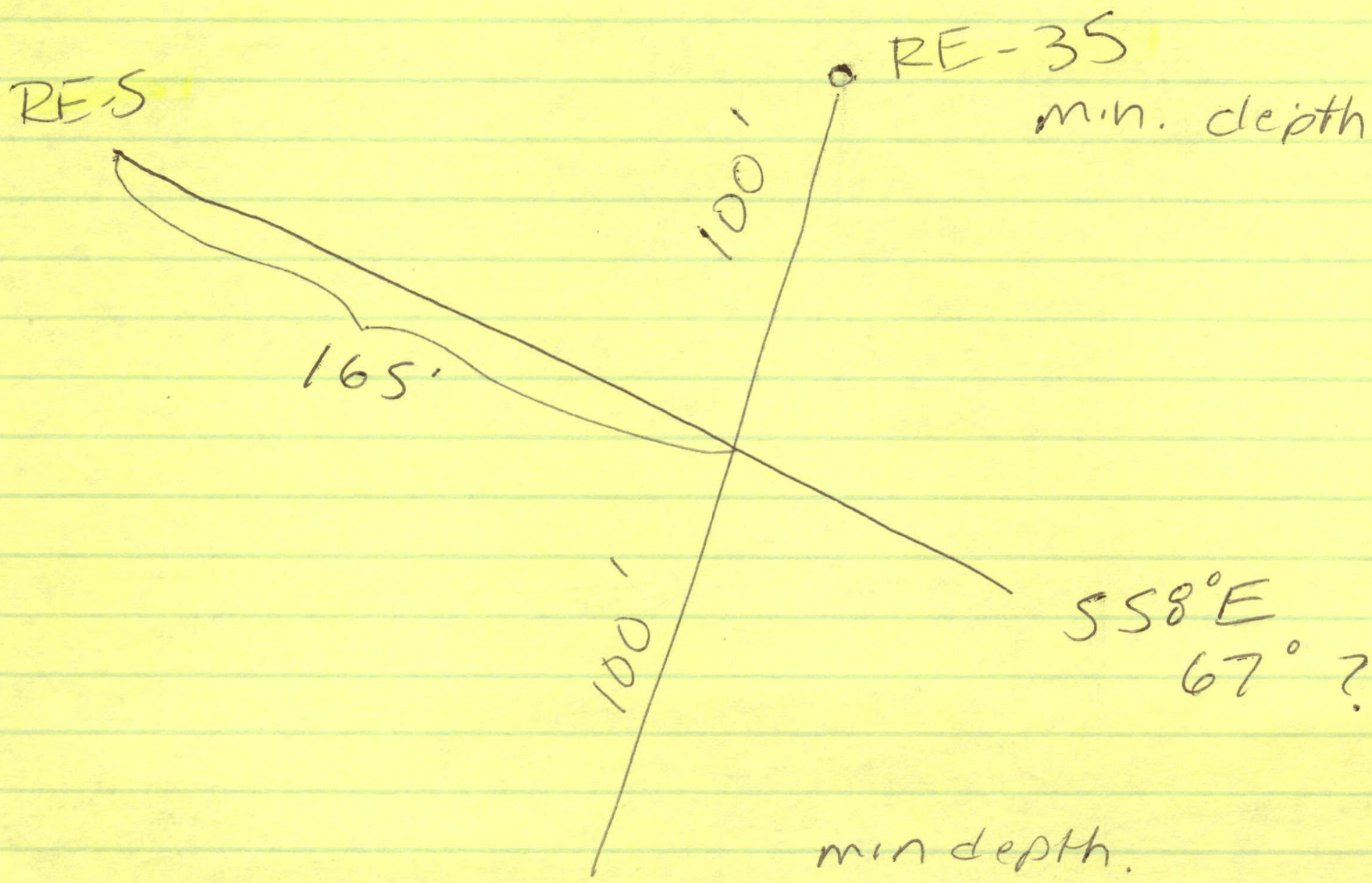
$\frac{384}{165}$ = tang of ∠

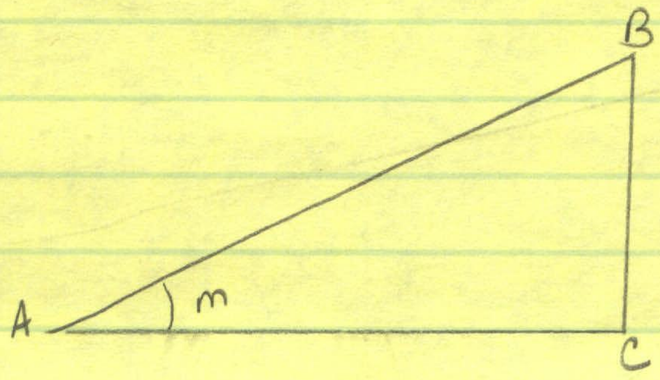
2.33

inv. tang

= 66.7°

must have in [2nd][DEG►] function then hit [2nd][tan⁻¹] to get inverse tangent for angle





AC = AB · cos ∠ m

BC = AB · sin ∠ m

Survey Notes

RE-S to RE-40 N 23 E 8.5'
481,364
2,203,537.5

RE-S to RE-41 N 18 E 19'
481,366.5
2,203,547.5

Southridge:
fault to 1st Rd S 43 W (pad) 83'
fault to 2nd Rd S 52 W (pad) 171'
to saddle (upper) 19% grade (11°)

212' along rd from shaft to E
bedding or ▬ N 85 W 69 SW

Southridge - upper pad below knob

⊥? N 88 E 41 SE
fault N 81 E 83 SE

▬ (fault?) N 88 E 61 NW contact betw/ tuff + bed 8°

▬ S 29 E 56 SW
fault N 79 E 63 NW

fracture S 32 W 47 SE
fracture bisecting contact N 20 E 43 SE
N 32 E 42 SE

S 21 W 36 NW ▬

N 84 E 83 SE fault fracture

Saddle shaft shear zone S 55 E 80 SW

41 2203547.5
481,366.5

40 2203537.5
481,364

EIS + HI = EI ± VD - MW = EFS

HT + I

EIS = ____ + HT = ____ + I = ____ = EI

IS	FS	VS	HM	MW	DW	LW	HD	EFS	Rocks

Blaine
Missoner

EI STOA

IP Survey: begin

Dozer
Dreamland
Stope area
Over Silica Knob

Line 11, 12

Sampling

L-15, 16* 17, 18
over Rosebud Peak

L-11 over Degarstrom
target
red dirt tar

* Silica Knob — hemitite, alunite
SW end
footwall exposed (alunite)
A zone on top
w/ vertical cracks w/ alunite?
Rob Asher - Blueflag
hemitite
SE side of Silica Knob PINK veinlets (alunite) wispy

shaft
3-5 samples
elbow in
upper road
bend

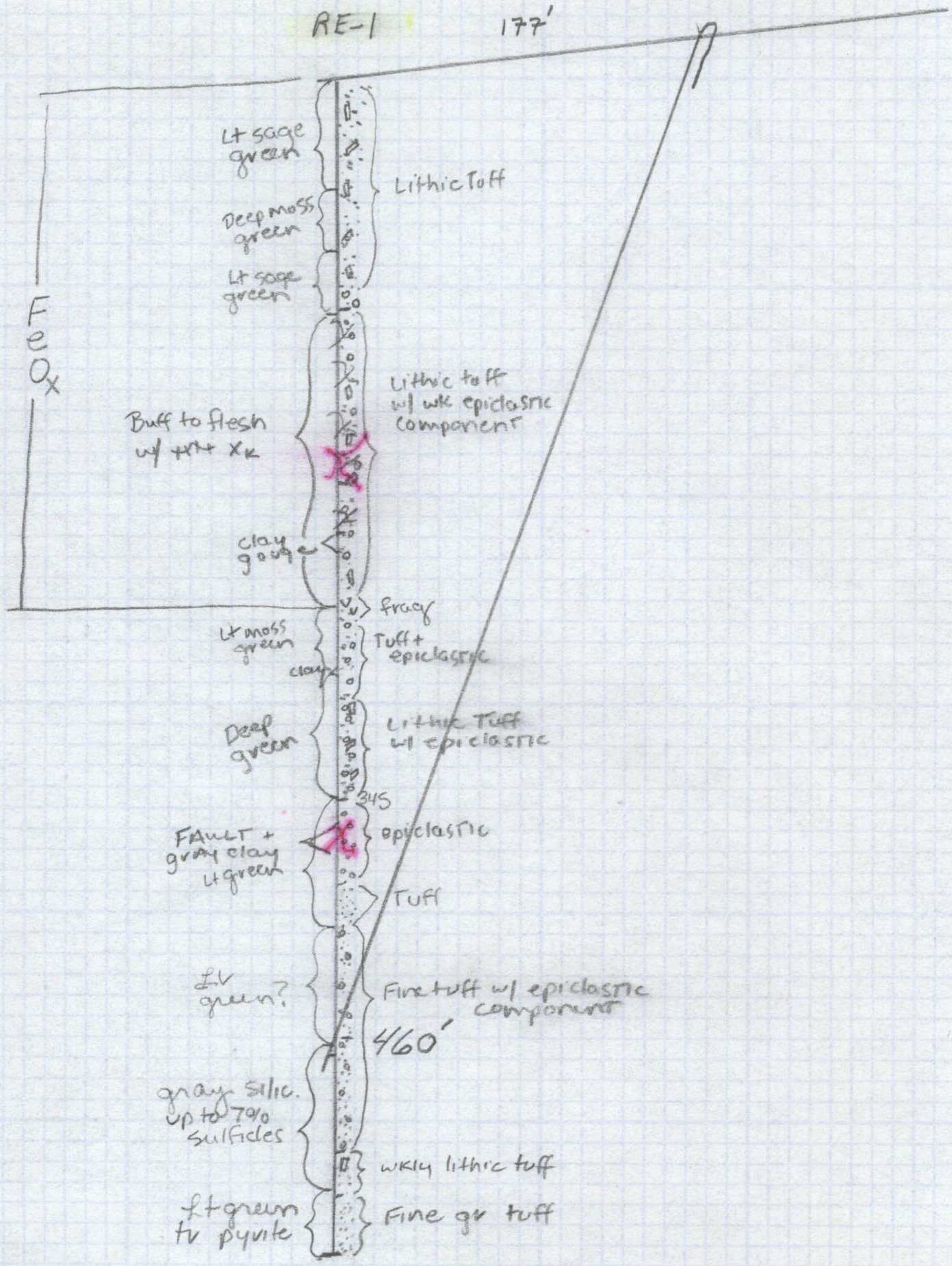
Road

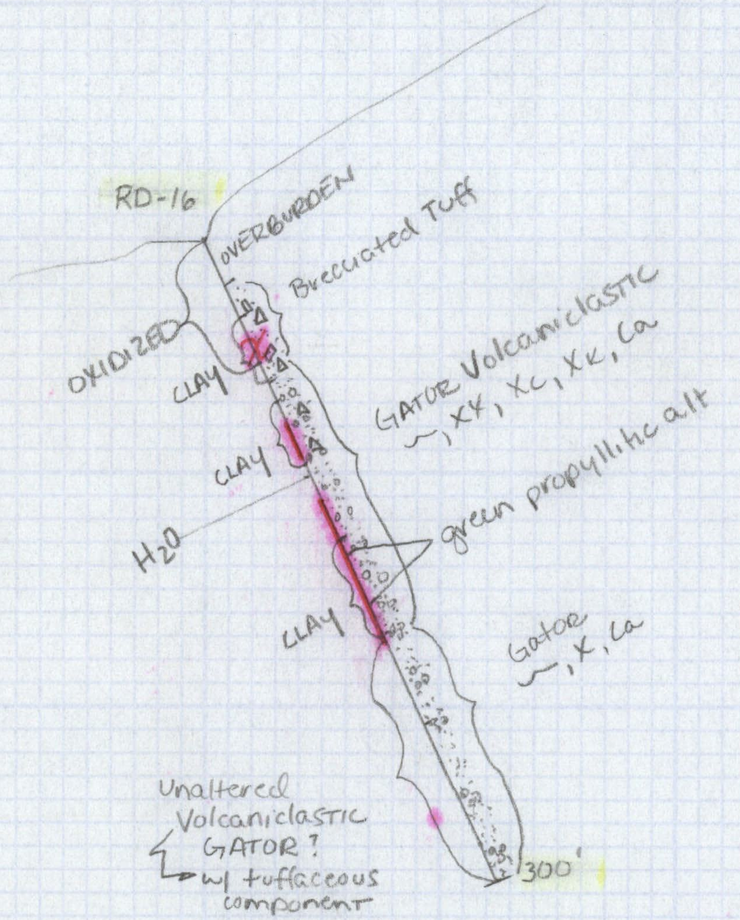
Rosebud Peak to Silica
shearing to NW
lower fault dip 55 to SE to Dreamland
Silica Knob to NE

CHAMPION NO. K-95 10 x 12

N 75 W 26° 290'

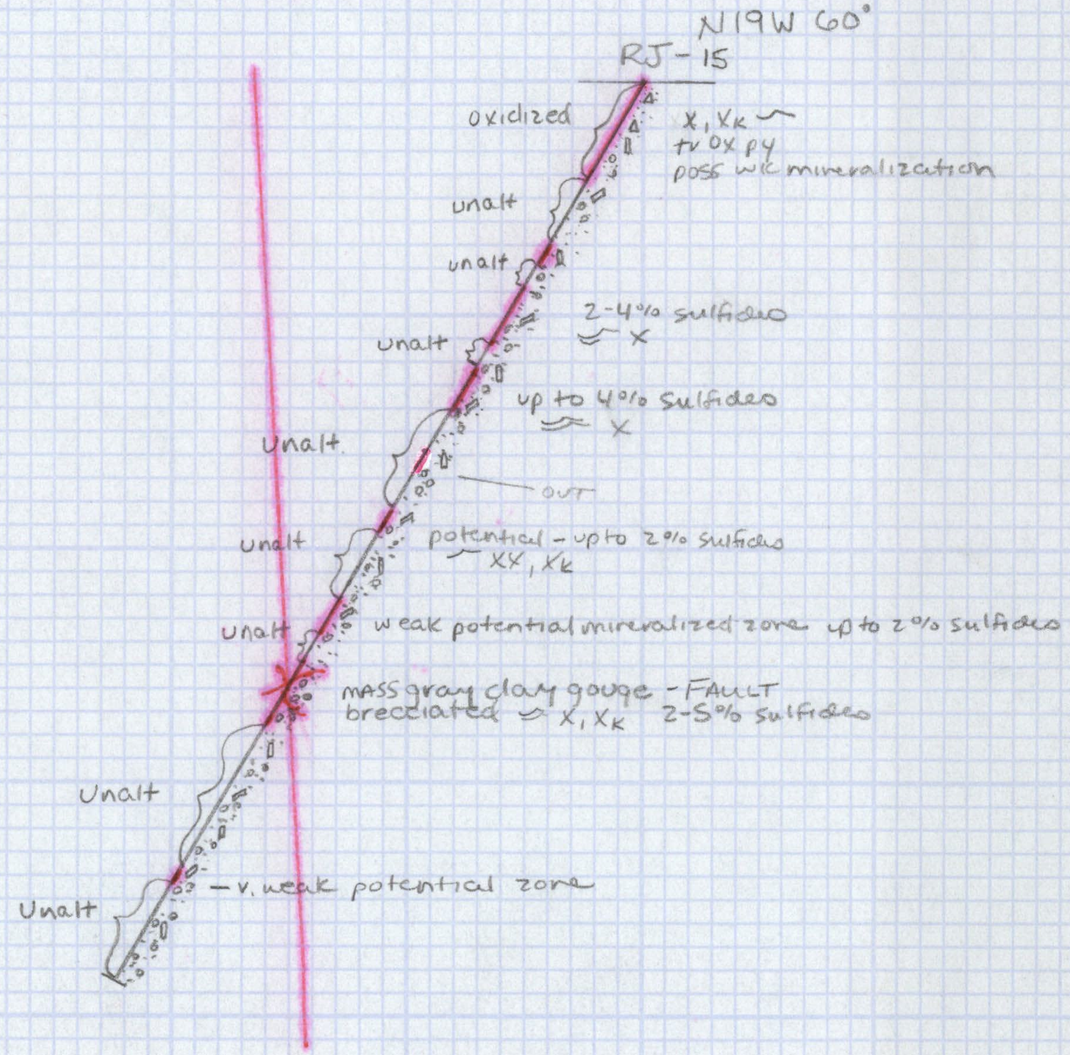
500'
450'
390'
340'
KEVIN
N
290'
W
RBP-19 60°
weakly oxidized
Chocolate-lithic tuff
≈ XK, XC, XK
E
Strongly oxidized
182'
220°
230'
RBP-19
230'
26°
slope
450'
@ 60° hit 280'
weakly oxidized
250'
70° hit @ 257' dist of 390'
60° @ 340'
143'
203'
445'
70° @ 390' hit @ 357'
70° @ 340' hit @ 303'
60° @ 390 hit @ 250'
70°
60°
60°
S


RE-1
177'
Lt sage green
Deep moss green
Lt sage green
Lithic Toff
Feox
Buff to flesh w/ trnt xx
Lithic toff w/ wk epiclastic component
clay gouge
frag
Lt moss green
clay
Tuff + epiclastic
Deep green
Lithic Tuff w/ epiclastic
345
FAULT + gray clay Lt green
epiclastic
Tuff
Lt green?
Fine tuff w/ epiclastic component
460'
gray silic. up to 7% sulfides
wkly lithic tuff
Lt green tr pyrite
Fine gr tuff


RD-16
OVERBURDEN
Brecciated Tuff
OXIDIZED
CLAY
CLAY
GATOR Volcaniclastic
~, Xf, Xc, Xk, Ca
H2O
green propylitic alt
CLAY
Gator
~, X, Ca
Unaltered
Volcaniclastic
GATOR?
w/ tuffaceous
component
300'

Lower Haulage Tunnel

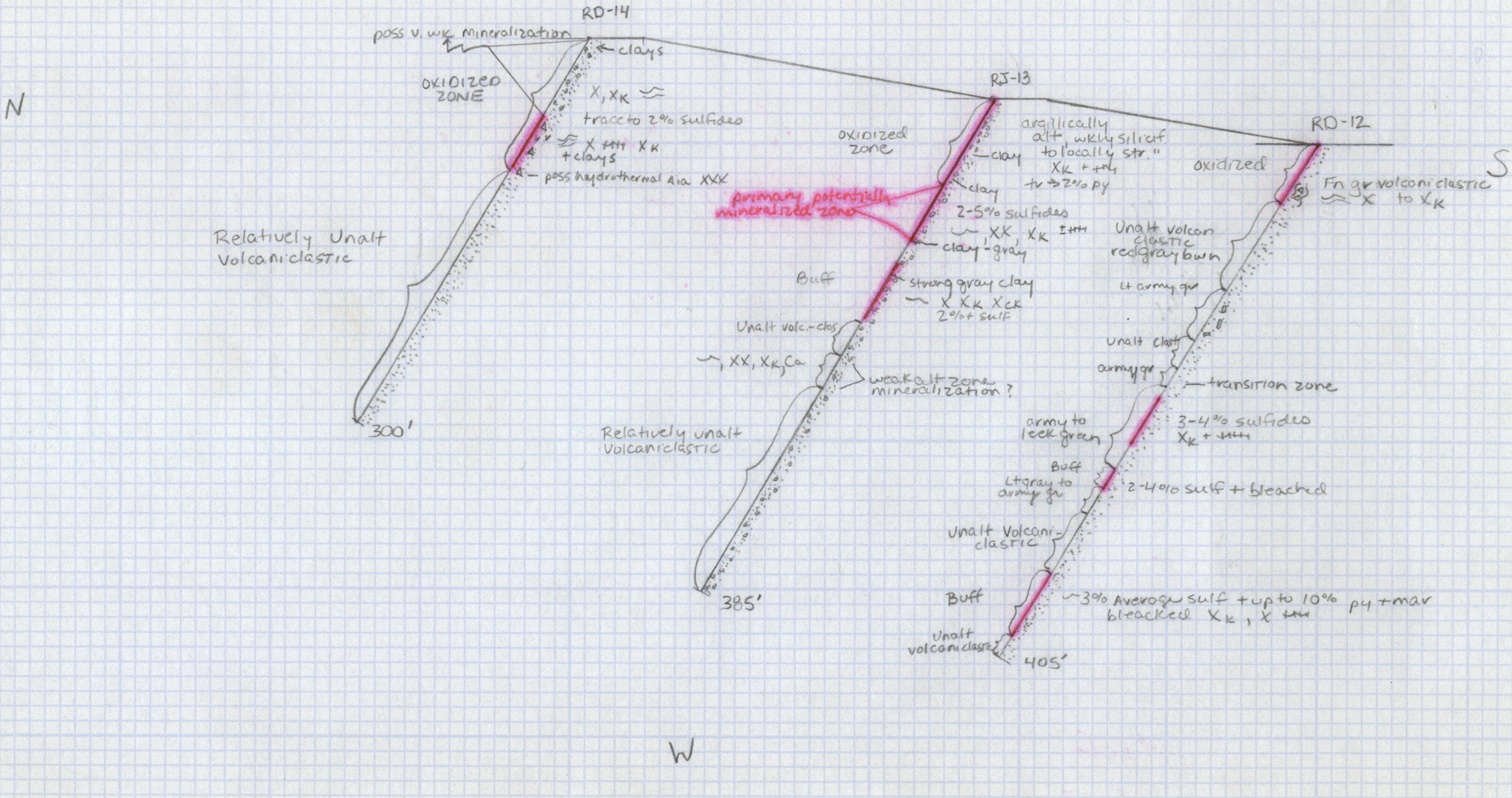
N



E

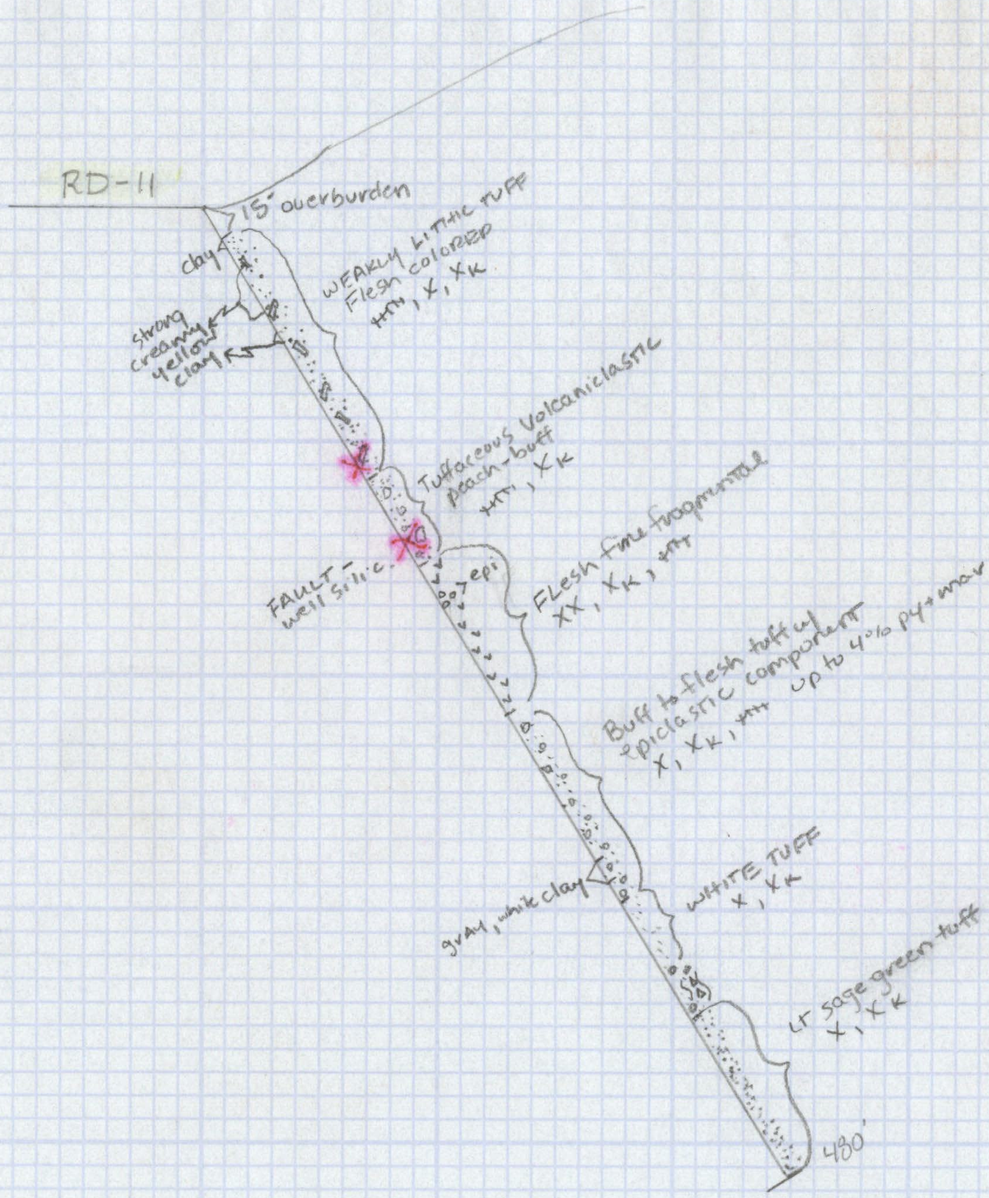
GRay to Red Brown Volcaniclastic -
fine gr tuff w/ sandy inner beds ~ 6" wide

——— delineates potential Au zones



N

S


RD-11
15' overburden
clay
WEAKLY LITHIC TUFF
Flesh colored
+++, X, XK
strong creamy yellow clay
Tuffaceous Volcaniclastic
peach-buff
+++, XK
FAULT-
well silic.
epi
FLesh fine fragmental
XX, XK, +++
Buff to flesh tuffal
epiclastic component
X, XK, +++
up to 4% py+marc
gray, white clay
WHITE TUFF
X, XK
LT sage green tuff
X, XK
480'

E

N

S

POSS. FAULT PLANE
N 60 E
dipping SW
poss mineralization boundary

RE-36

RE-6

RE-7

N

S

RE-36

RE-6

RE-7

KM-12

CHOCO FGT

BUD FRAG

CHOC FGT

fdpx tdcy

BUD MIXED FRAG

BUD FRAG

MAJOR FAULT
intense clrzy qtz sulfide VNS

INTENSE WHITE CLAYS

SGT

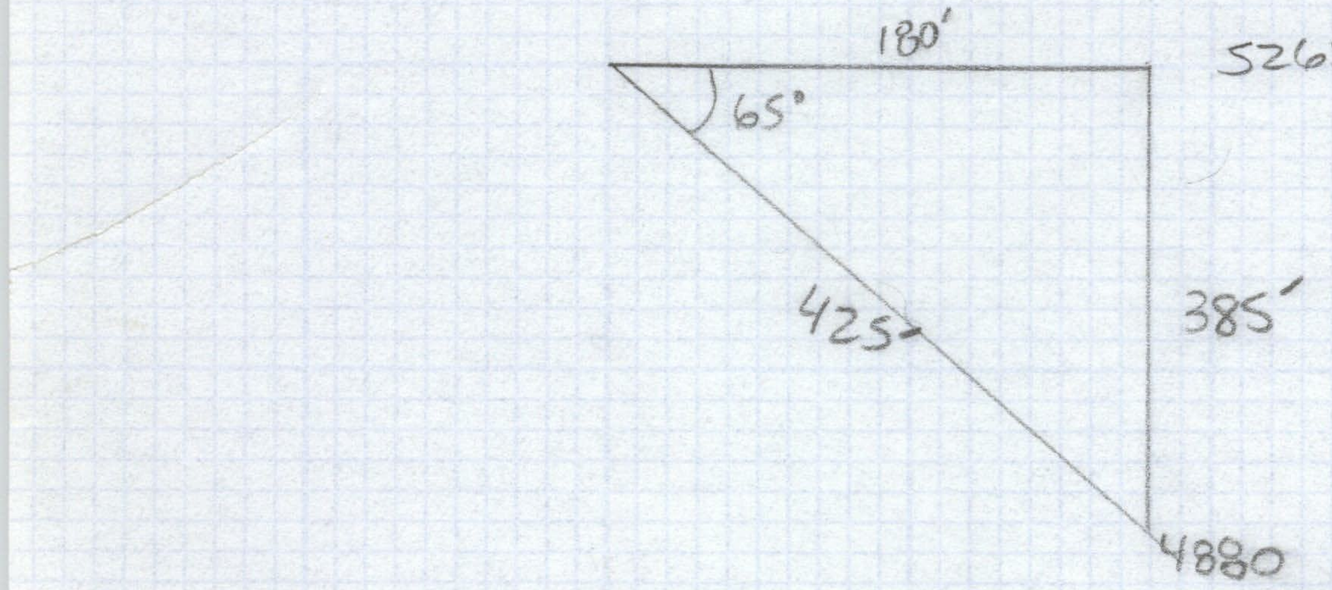
SGT

492

620

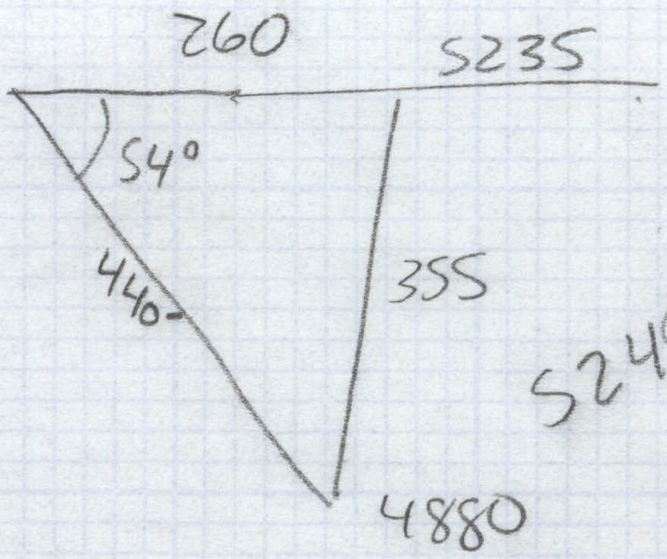
4880 mineral zz

elev. collar 35
5265



off Rd
1
S45E

280



5249
15
5234

~S41E of N25 pad

5240
4870
370

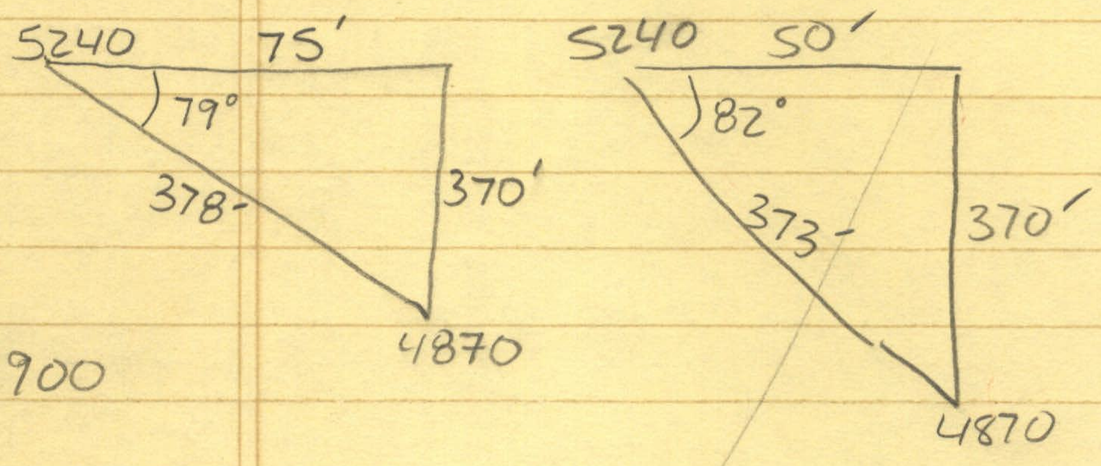
*pAD 50' N75W of RE-25
@ S75E
(-63.5° to 64°)
@ 445'

EQUINOX

Hole #	TOP ELEV.	TOP MINERAL ELEV	SGT	DEPTH	∢
RE-35	5265	4880'	4665	625'	V
RE-27	5308	4900'	4785'	580'	V
RE-5	5248	4850	4760	780	S5E 58°
RE-41	5248	4865	4710	624	S65E 67°
RE-40	5248	4900	4898	610	S4°E 58°
PLANNED DRILL H. W of RE-7	5240	4870	* S 60E		79°→82°
"	5240	4865	* S3W		53°
"	5240	48	* Vertical		

back to 35 @ S3W ° ∢ to hit RE-41 intercept

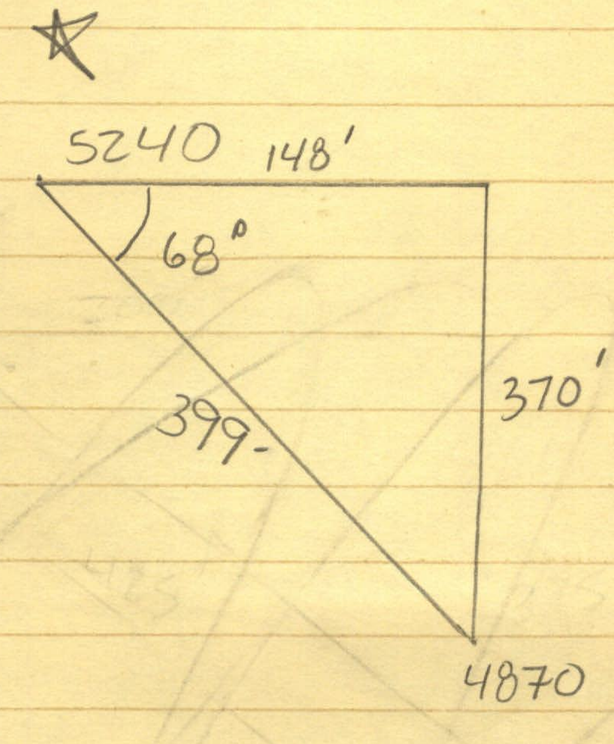
hole to hit NE trend from pad W of 7



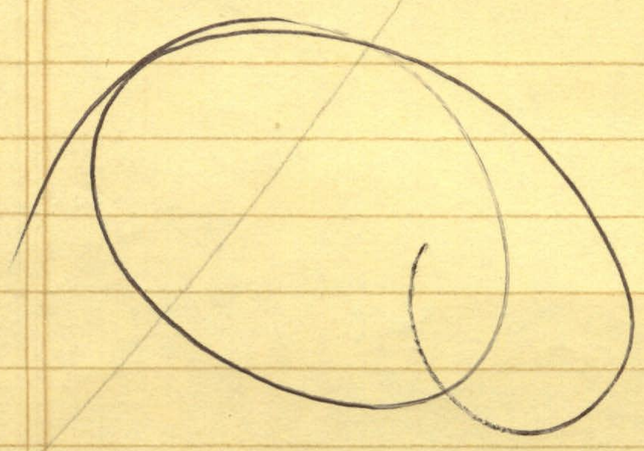
136900

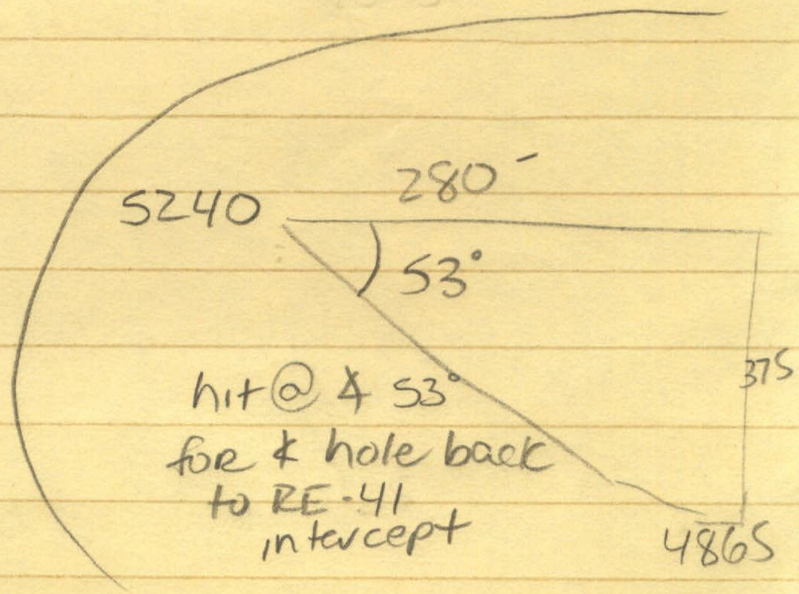
375
200

140625
40,000
180625



155'
N75W
of RE-7
@
545°E
(-68°)
hit@399'



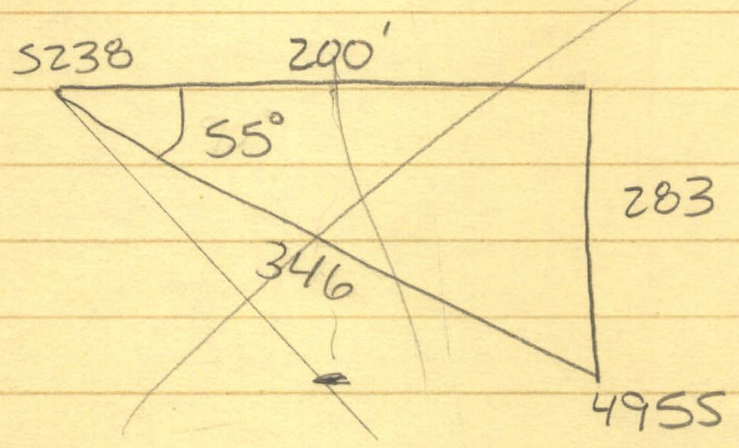


EQUINOX

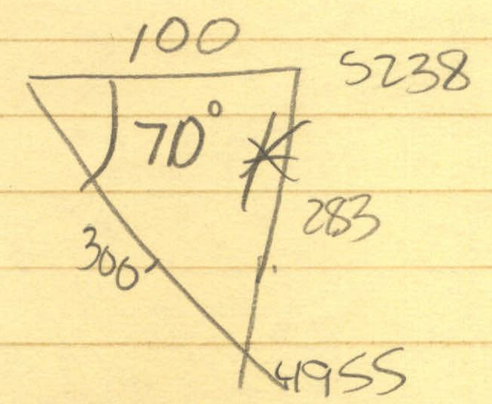
MINERAL INTERCEPT

RE-25 4955' vertical

pdh 5238 4955 * 70° S0E hit 300'



80089

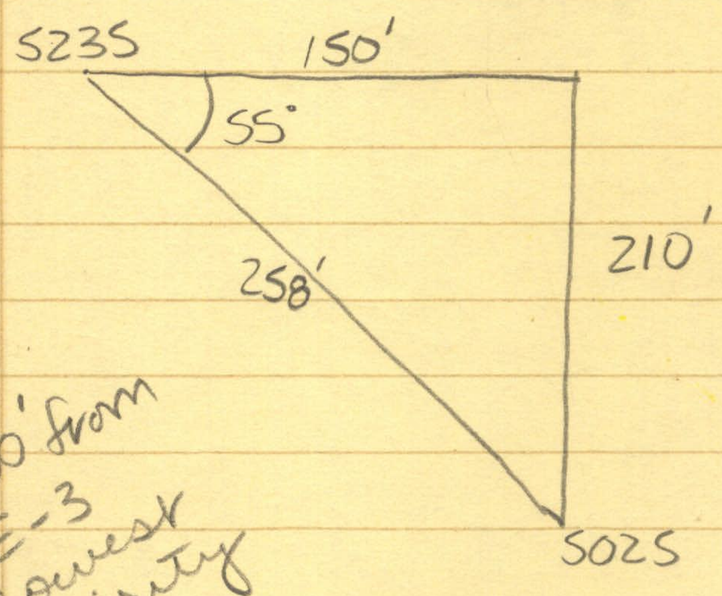


10,000

due

RE-3 5025

RDH 5235

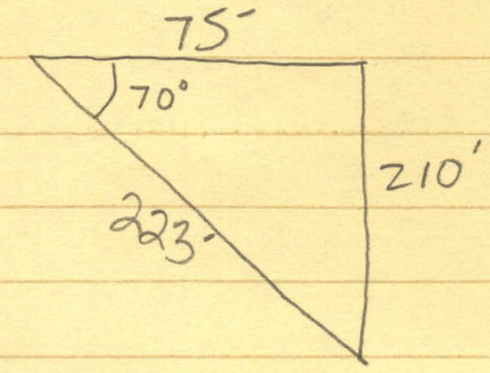


70° at 80' from RE-3 lowest priority

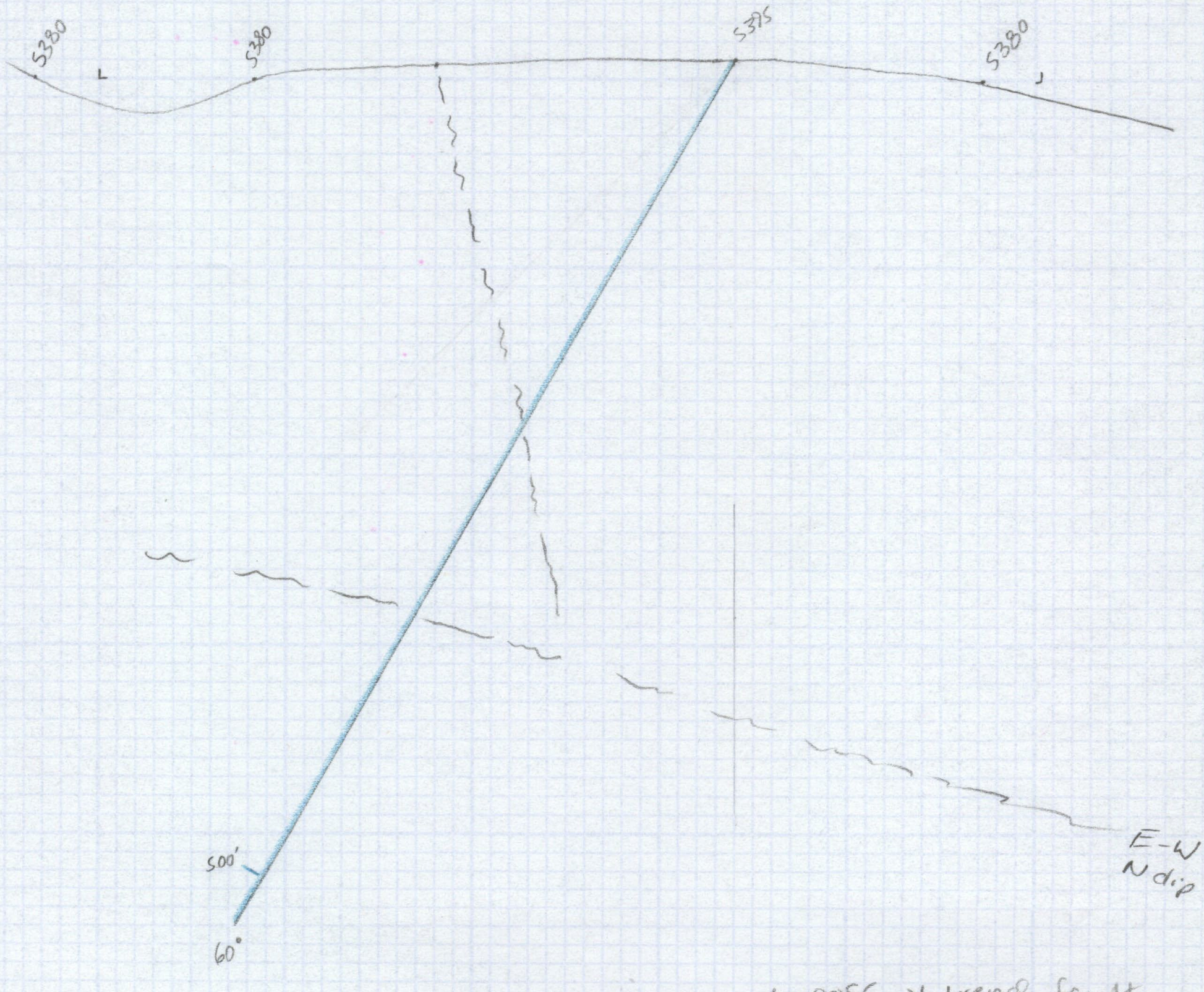
* ~ S30E 55°

pad is ~ N52W 150' from RE-3 trend ~ 11 to 1 to drainage S30E

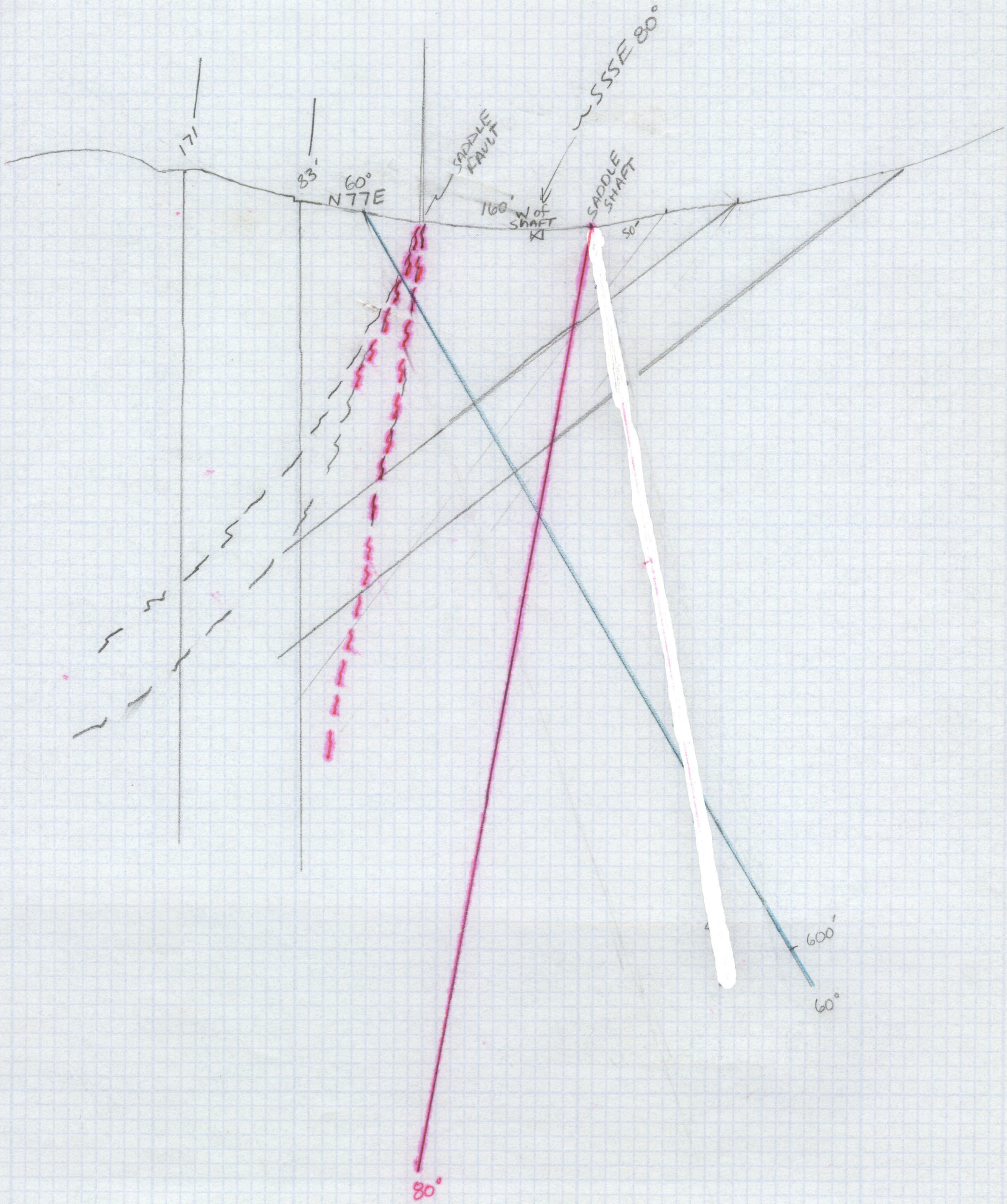
from RE-4 S22W 138'



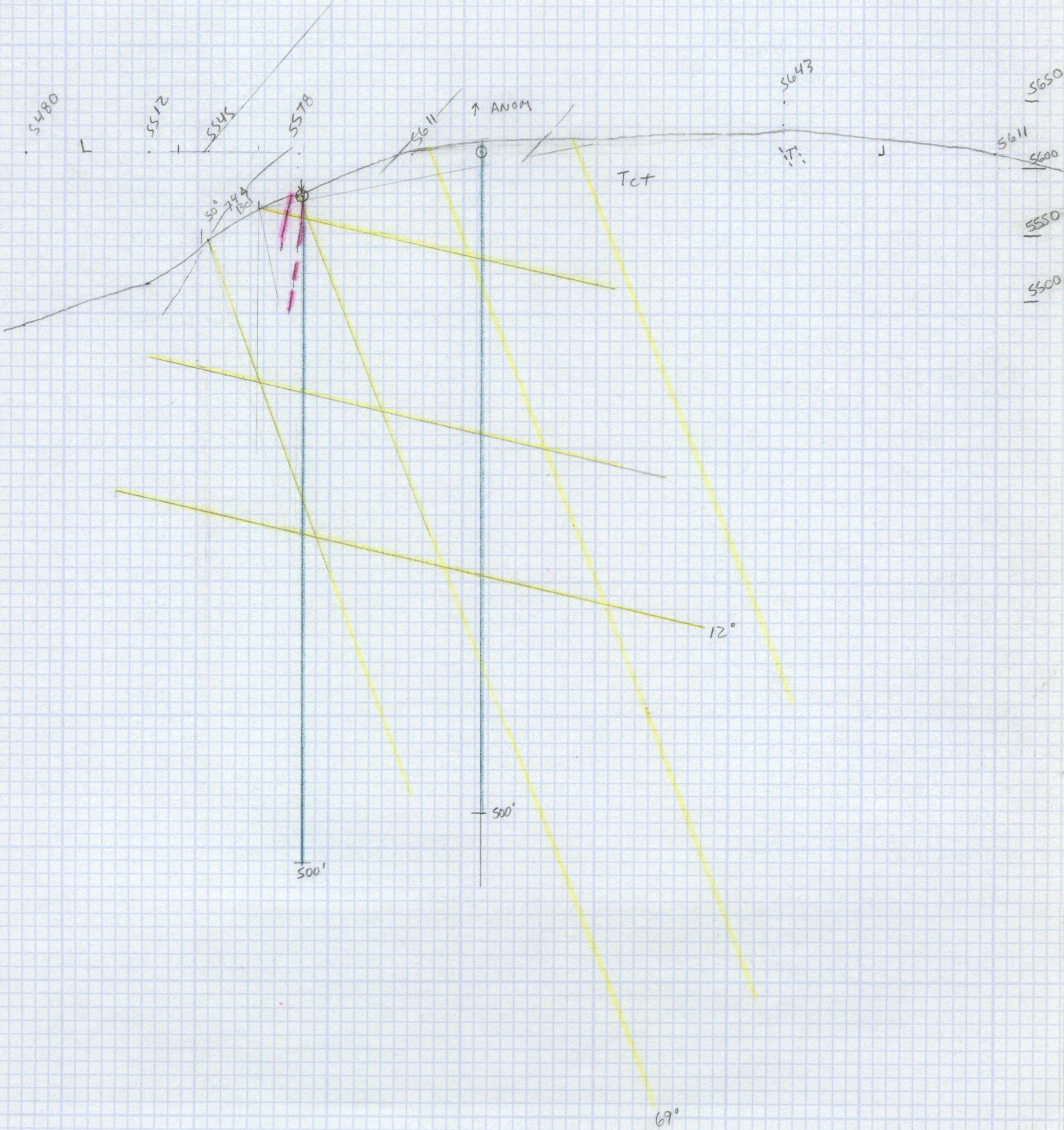
SOUTH RIDGE
S45W



SOUTH RIDGE
"A"

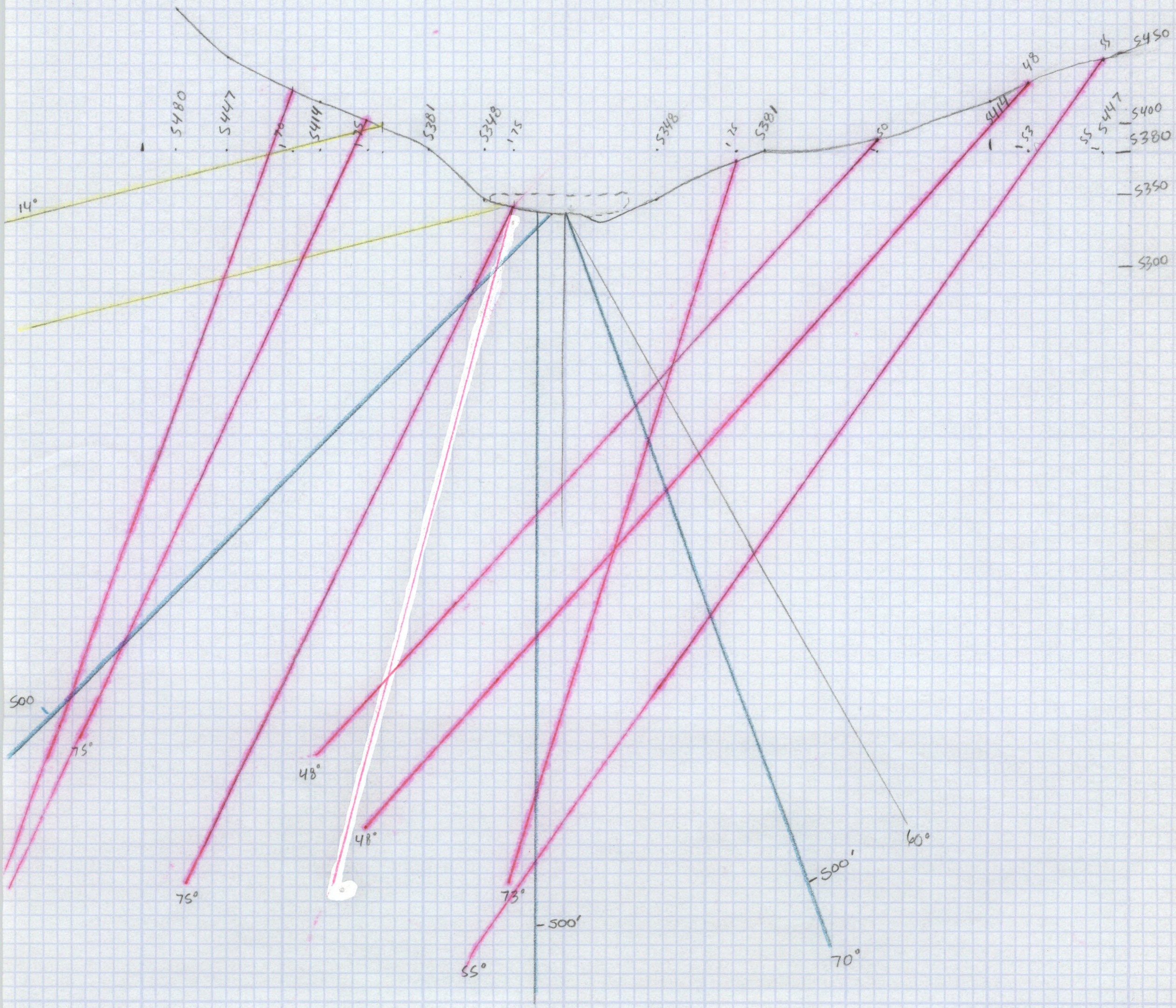


DEGERSTROM
" A "



PL-17 to new
core pael
217' S34W
Bach@ RE-3
S46E w/ ~ 47'
to work with
~ for SSSE house
44' to work with

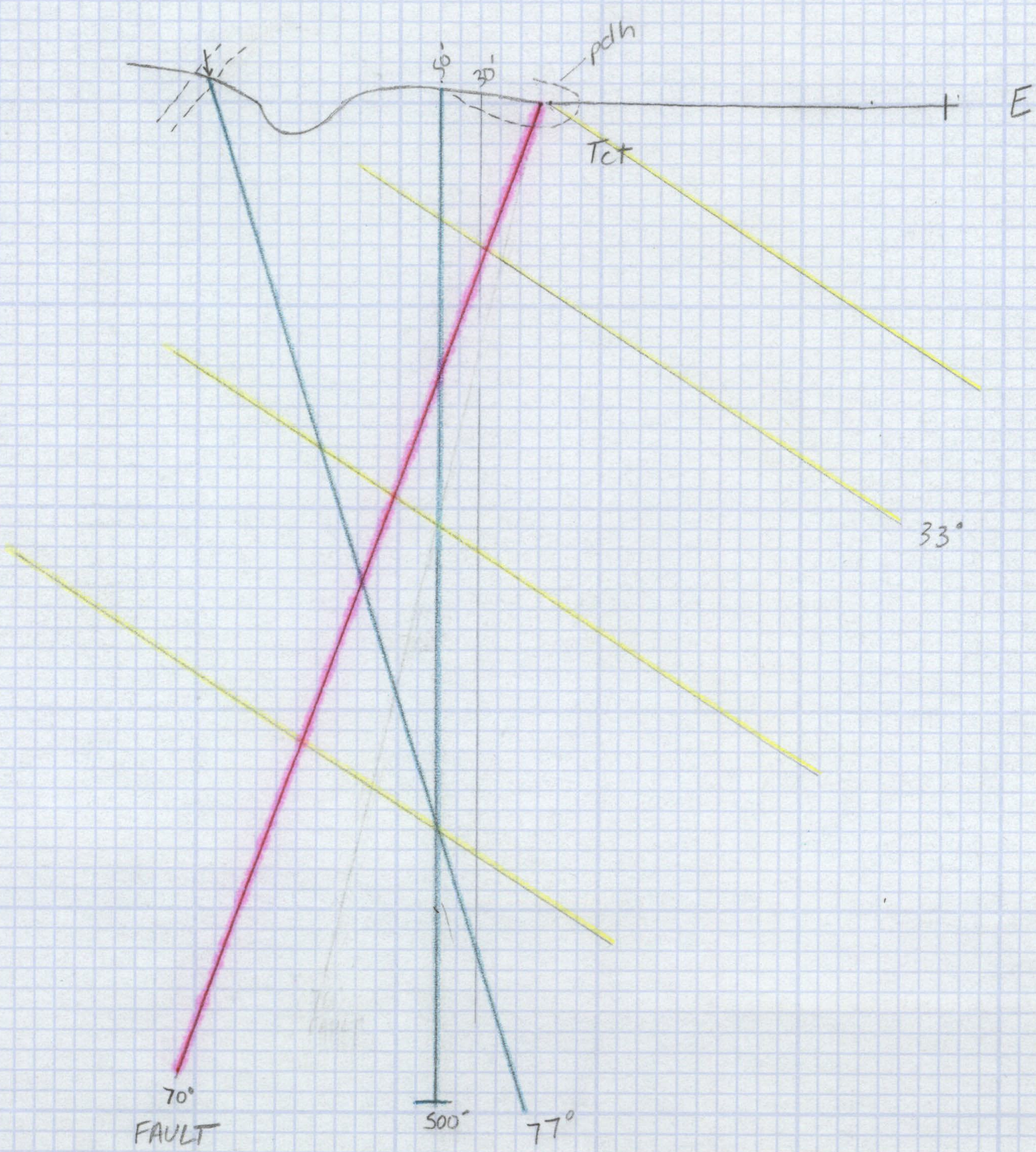
DEGERSTROM "B"



DEGERSTROM "C"

DEGERSTROM

"C" option



5400

N

RE-27

RE-35

RE's

S 12W
to
S 3W

5200

5000

40

41

5 1

SGT

dip NW ?

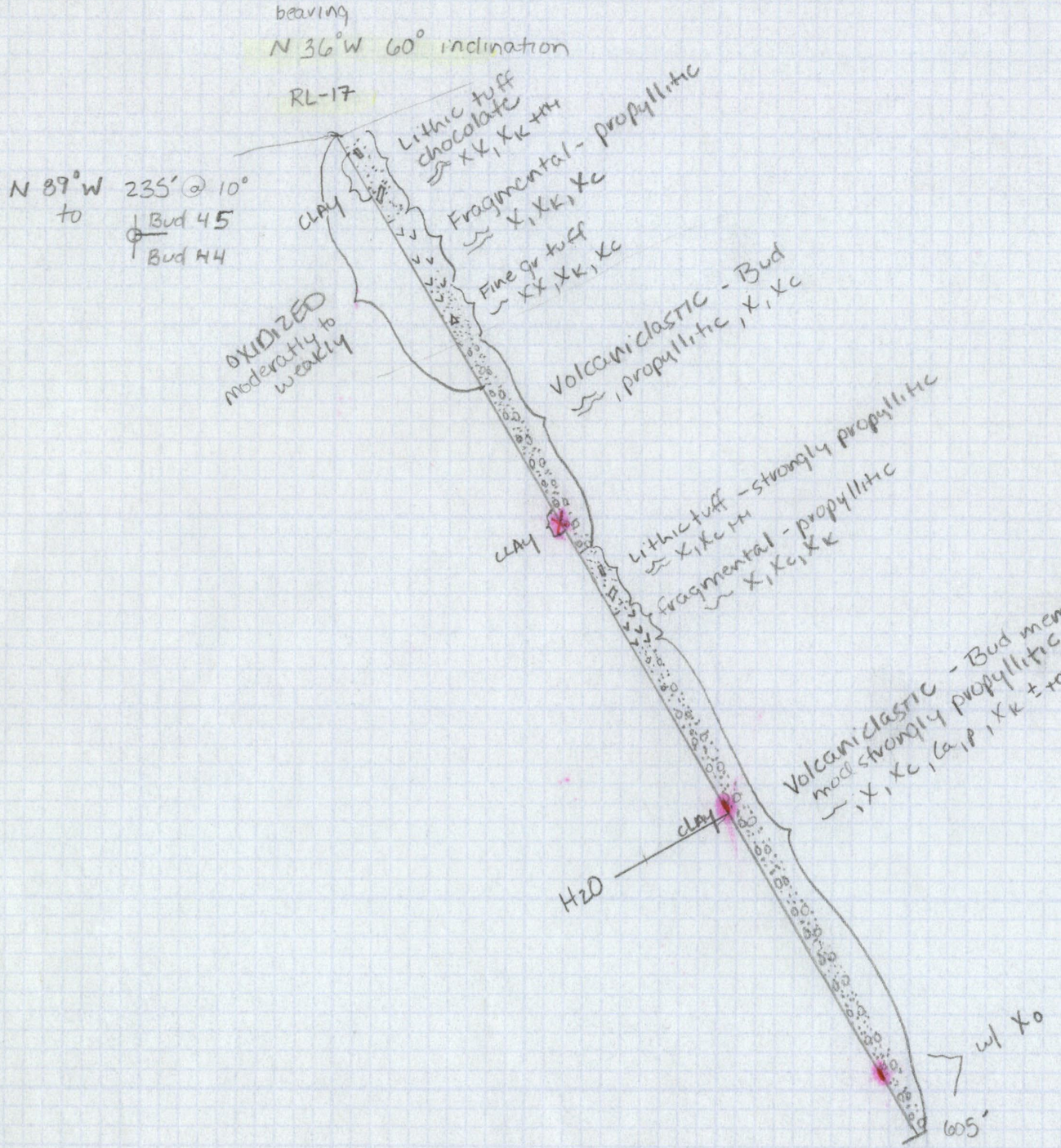
4800

SGT

66°

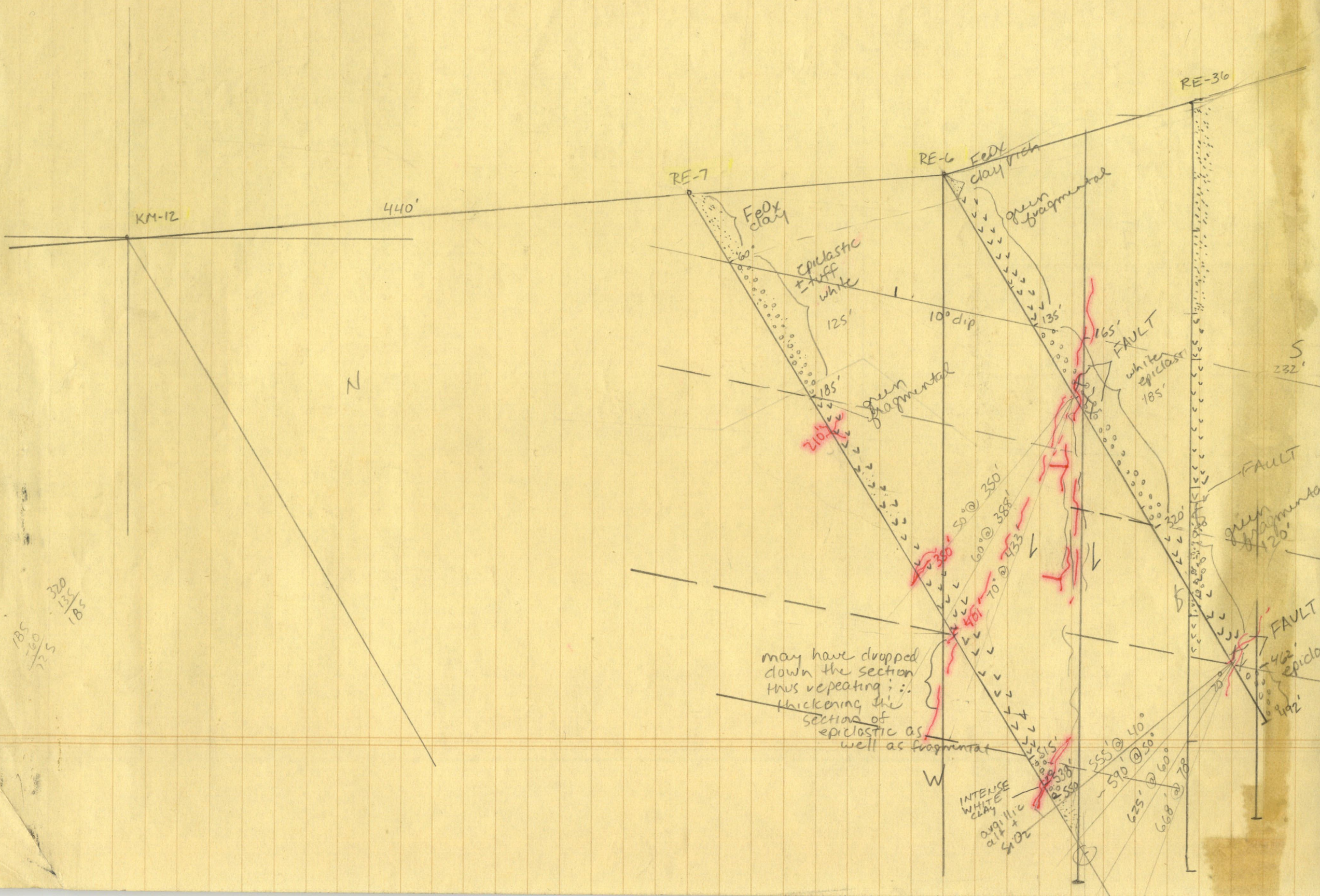
4600

77°

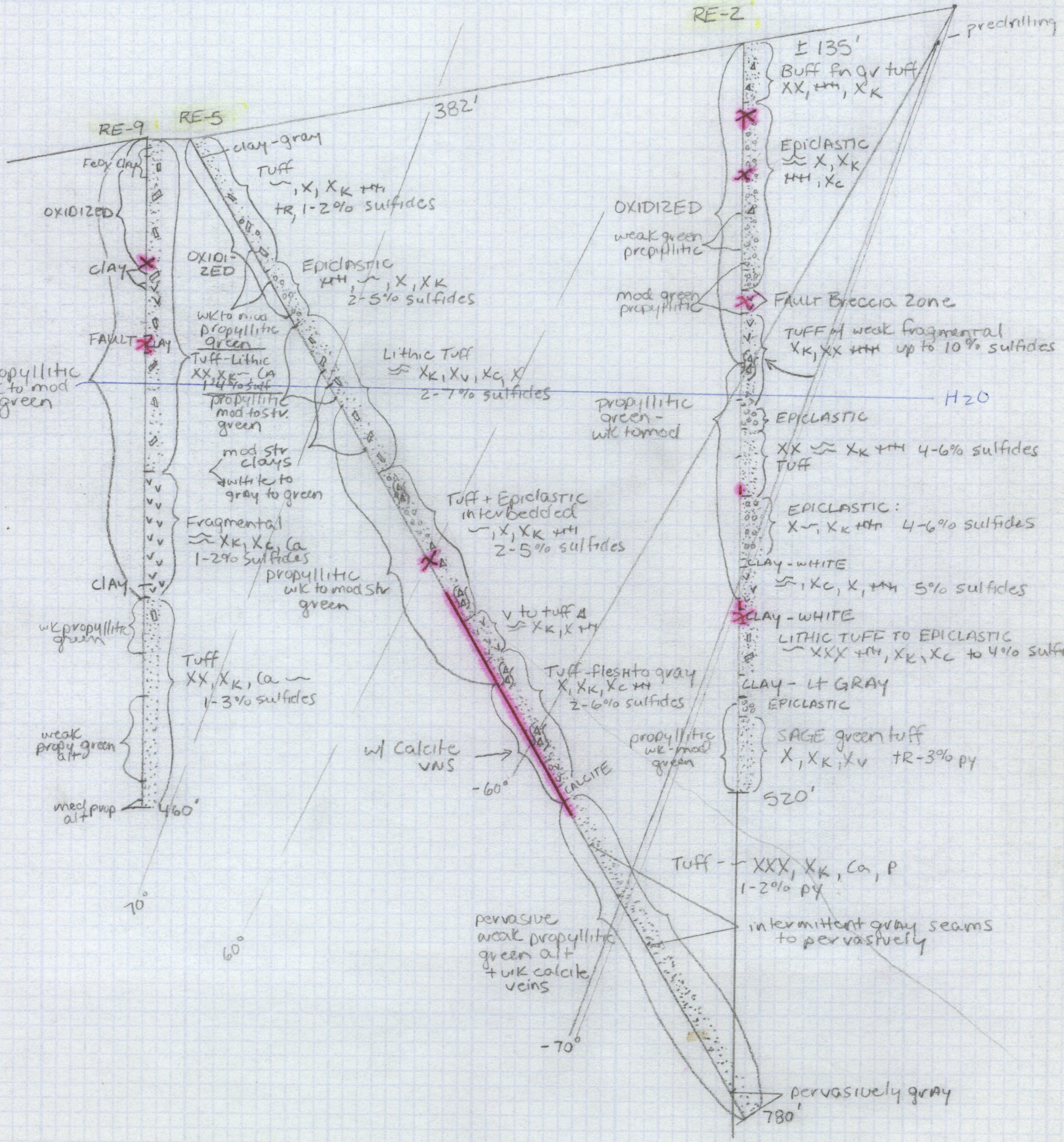

bearing
N 36°W 60° inclination
RL-17
N 89°W 235' @ 10°
to
Bud 45
Bud 44
CLAY
Lithic tuff
chocolate
XX, Xk tm
Fragmental - propylitic
X, Xk, Xc
Fine gr tuff
XX, Xk, Xc
OXIDIZED
moderately to
weakly
Volcaniclastic - Bud
, propylitic, X, Xc
CLAY
Lithic tuff - strongly propylitic
X, Xc tm
fragmental - propylitic
X, Xc, Xk
Volcaniclastic - Bud member
mod strongly propylitic
, X, Xc, Ca, P, Xk tm
CLAY
H2O
w/ Xo
605'

27- 1500 E

E


RE-36
RE-6
FeOx clay
RE-7
FeOx clay
green fragmental
epiclastic ± tuff white
440'
KM-12
60°
125'
10° dip
135'
165'
FAULT
white epiclastic
185'
green fragmental
210'
232'
FAULT
320'
350'
50°@ 350'
60°@ 388'
70°@ 433'
380'
401
green fragmental
120'
FAULT
462'
epiclastic
492'
may have dropped down the section thus repeating ∴ thickening the section of epiclastic as well as fragmental
515'
538'
550'
555'@ 40°
590'@ 50°
625'@ 60°
668'@ 70°
INTENSE WHITE CLAY
argillic + SiO2
N
320
135
185
185
160
325

200'


RE-2
predrilling
± 135'
Buff fn gr tuff
XX, XK
EPICLASTIC
X, XK
XC
OXIDIZED
weak green propylitic
mod green propylitic
FAULT BRECCIA ZONE
TUFF w/ weak fragmental
XK, XX up to 10% sulfides
382'
RE-9
RE-5
clay-gram
TUFF
X, XK
tR, 1-2% sulfides
FeOx clay
OXIDIZED
clay
OXIDI-ZED
EPICLASTIC
X, XK
2-5% sulfides
wk to mod propylitic green
FAULT
CLAY
Tuff-Lithic
XX, XK, Ca
wk to mod propylitic mod to str. green
Lithic Tuff
XK, XV, XC, X
2-7% sulfides
H2O
propylitic wk to mod green
propylitic green - wk to mod
EPICLASTIC
XX XK 4-6% sulfides
TUFF
mod str clays
white to gray to green
Tuff + Epiclastic interbedded
X, XK
2-5% sulfides
EPICLASTIC:
X, XK 4-6% sulfides
Fragmental
XK, XC, Ca
1-2% sulfides
propylitic wk to mod str green
CLAY - WHITE
XC, X, 5% sulfides
CLAY
V to tuff
XK, X
CLAY - WHITE
LITHIC TUFF TO EPICLASTIC
XXX, XK, XC to 4% sulfides
wk propylitic green
Tuff
XX, XK, Ca
1-3% sulfides
Tuff - flesh to gray
X, XK, XC
2-6% sulfides
CLAY - LT GRAY
EPICLASTIC
w/ Calcite VNS
-60°
CALCITE
propylitic wk-mod green
SAGE green tuff
X, XK, XV tR-3% py
weak propy green alt
520'
med prop alt
460'
Tuff -
XXX, XK, Ca, P
1-2% py
intermittent gray seams to pervasively
pervasive weak propylitic green alt + wk calcite veins
70°
60°
-70°
pervasively gray
780'

3000N

RE-6

RE-7

RE-1

RE-6

RE-7

5000'

"Rud Breccia"

40' @ 0.016

492'

Granular Tuff

? ?

Marker Tuff

30' @ .015

5000'

565'

3500N

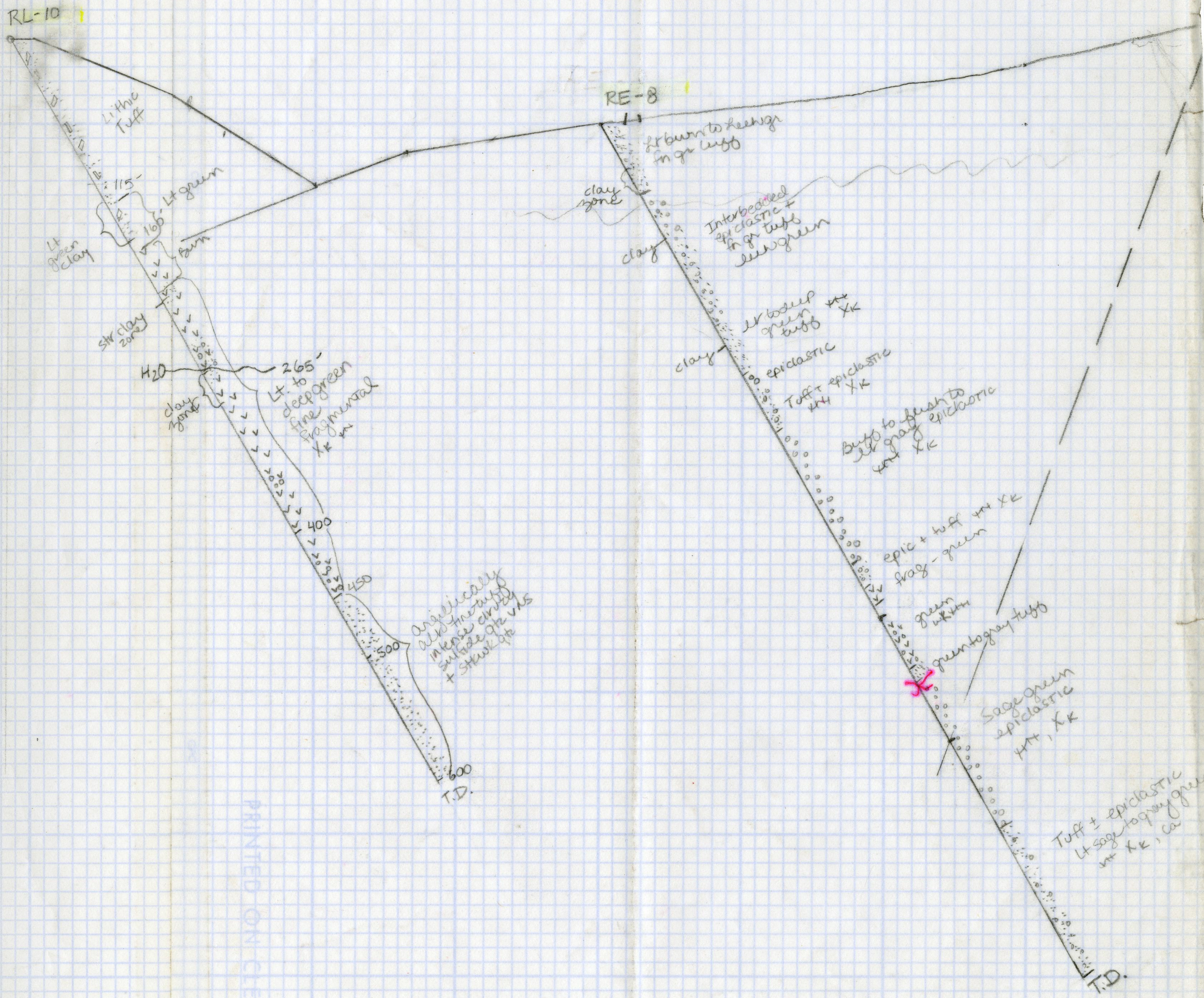
S. EQUINOX TARGET

SxN. 1800E

1" = 100'

7/27/89

NHB



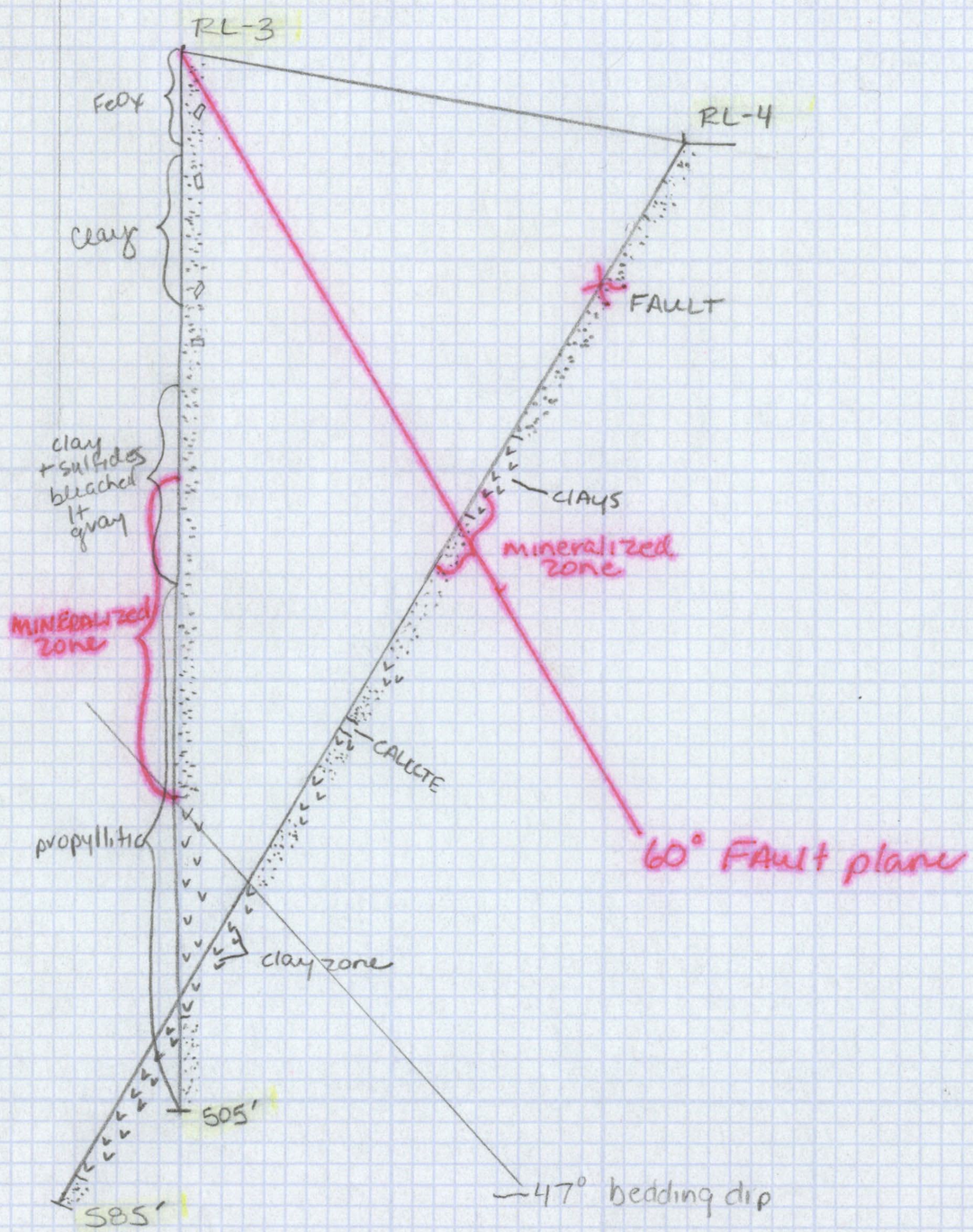
PRINTED ON CLEARPRINT

W

S

N

E

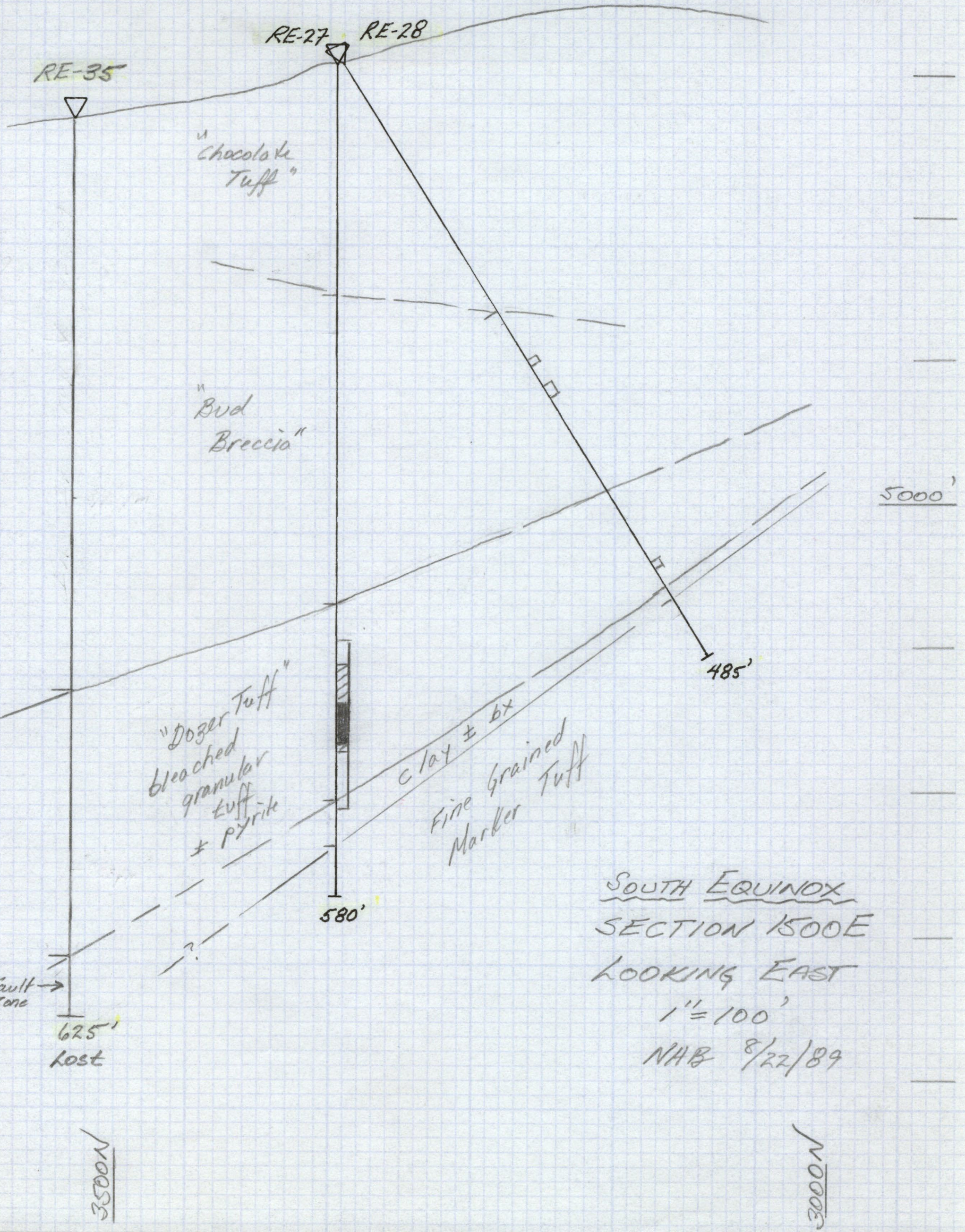

RL-3
RL-4
Fe ox
clay
clay + sulfides bleached lt gray
mineralized zone
FAULT
CLAYS
CALCITE
propyllitic
clay zone
505'
585'
60° Fault plane
47° bedding dip

RE-35

1500E

RE-27

RE-28



SOUTH EQUINOX
SECTION 1500E
LOOKING EAST
1"=100'
NHB 8/22/89

3500N

3000N

RE-23 RE-24

RE-24

RE-23

"Bud Breccia"

Mixed Fragmental

Tuff

±

5000'

"Dozer"

Granular &

Flow Banded

Tuff

Marker Tuff

60' @ .028

45' @ .023

15' @ .034

5' @

480'

660'

5000'

S. EQUINOX TARGET

SXN. 1300E

1" = 100'

8/3/89

NHB

3500N

3000N

RE-25 RE-26

RE-25 RE-26

"Bud Breccia"
Mixed Fragmental
& Tuff

"Dozer"
Granular &
Flow Banded
Tuff

Lower
Fragmental
Lower Tuff

Tuff

F.G. Marker

70' @
0.052

50' @
.019

10' @ .02

405'

5000'

5000'

S. EQUINOX TARGET

5xN. 1200E

1" = 100'

8/3/89

NHB

RE-8

3500N

3000N

RE-8

"Bud Breccia"

Granular Tuff

Marker Taff

65' @ 0.037

5000'

680'

S. EQUINOX TARGET

5xN. 2200E

1" = 100'

7/27/89

NHB

3500N

3000N

RE-2

RE-22

RE-9 RE-5

RE-29

RE-2

RE-22

RE-29

RE-9 RE-5

"Bud Breccia"
Mixed Fragmental
± Tuff

5000'

5000'

± 200'
@ ± 0.177

55'@ .159 Au
4.62 Ag

145'@
.075

505'

Assays
Pending

460'

Granular ±
Flow Banded
Tuff

"Dozer"

Fine Grained
Marker
Tuff

700'

780'

820'

CONTAMINATED

S. EQUINOX TARGET

SXN. 1400E

1" = 100'

8/3/89

NHR

RE-35

3500N

3000N

N

S

RE-27

RE-27

RE-35

Tc

CHOCOLATE TUFF
+ epiclastic

strong limon clays

100

160'
Bud
Fault

FRACTURE W/ intense clays

200

5000'

300

Bud Brec ia-
Mixed Fragmental

100'

poss FAULTS OFF $
FROM RE-2 ou NE

50'

5000'

300

390'

SGT

500'

400

60°

500

SGT

580'

60°

70°

?

?

600

FAULT

625'

S. EQUINOX TARGET

SXN. 1500E

1"=100'

3500W

E

3000W

RE-2

RE-22

RE-9 RE-5

RE-2

N

S

RE-22

RE-9 RE-5

Tc

oxidized Tc

clay

Bud

Bud

fractured w/ moisture

"Bud Breccia"
WENT TO H2O
Mixed Fragmental
± Tuff

MOIST: DRI
OUT
HOLE

WENT TO H2O

interbedded

PURE

SGT

± 200'
@ ± 0.17

5000'

5000'

145'
@ .075

460'

Granular
Flow Banded
Tuff

"Dozer"

Fine Grained
Marker
Tuff

700'

780'

820'

610'

60°

SPF

S. EQUINOX TARGET
SXN. 1400E
1" = 100'
7/27/89
NHR

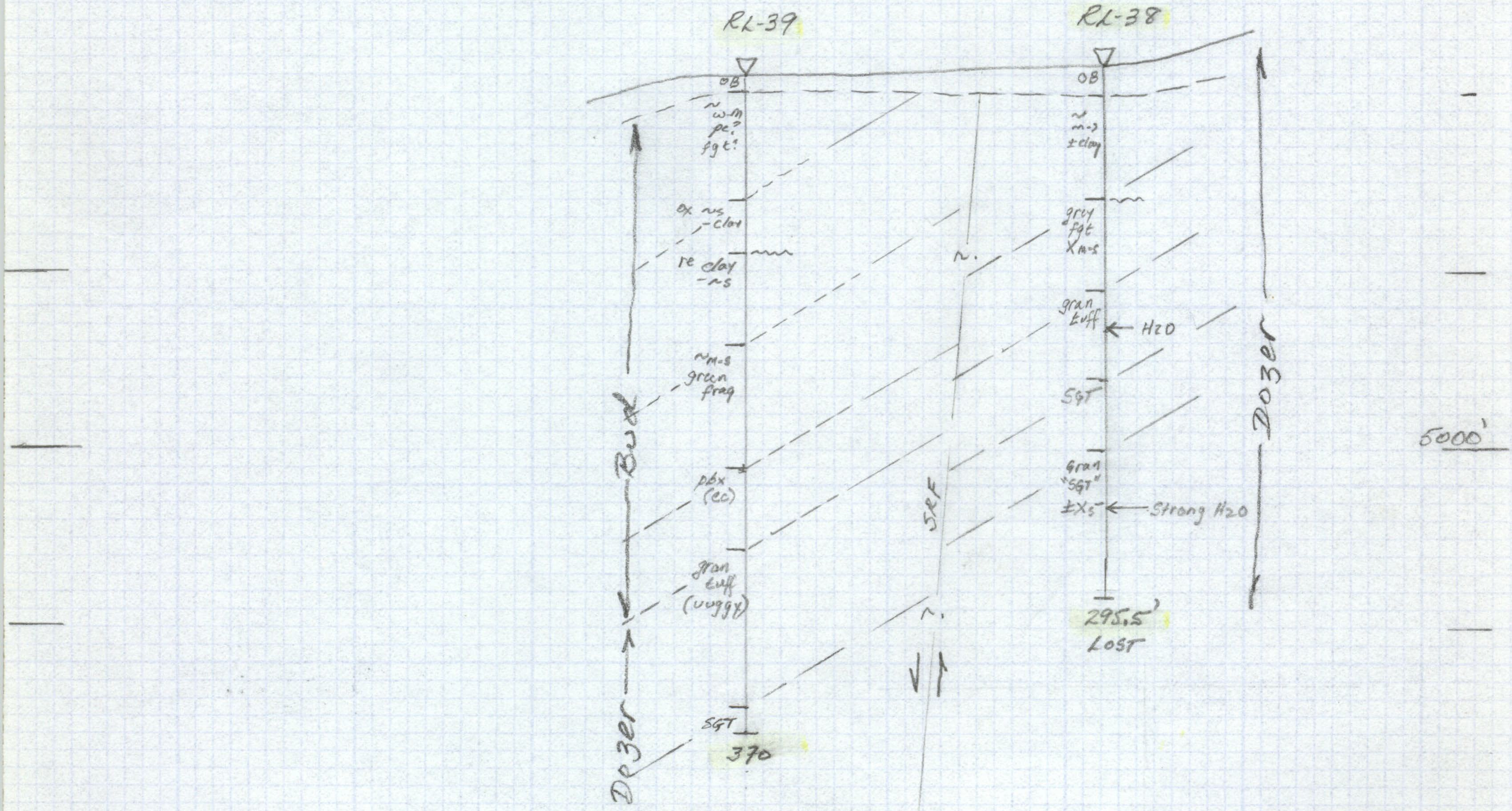
3500N

3000N

RL-39

RL-38

600E

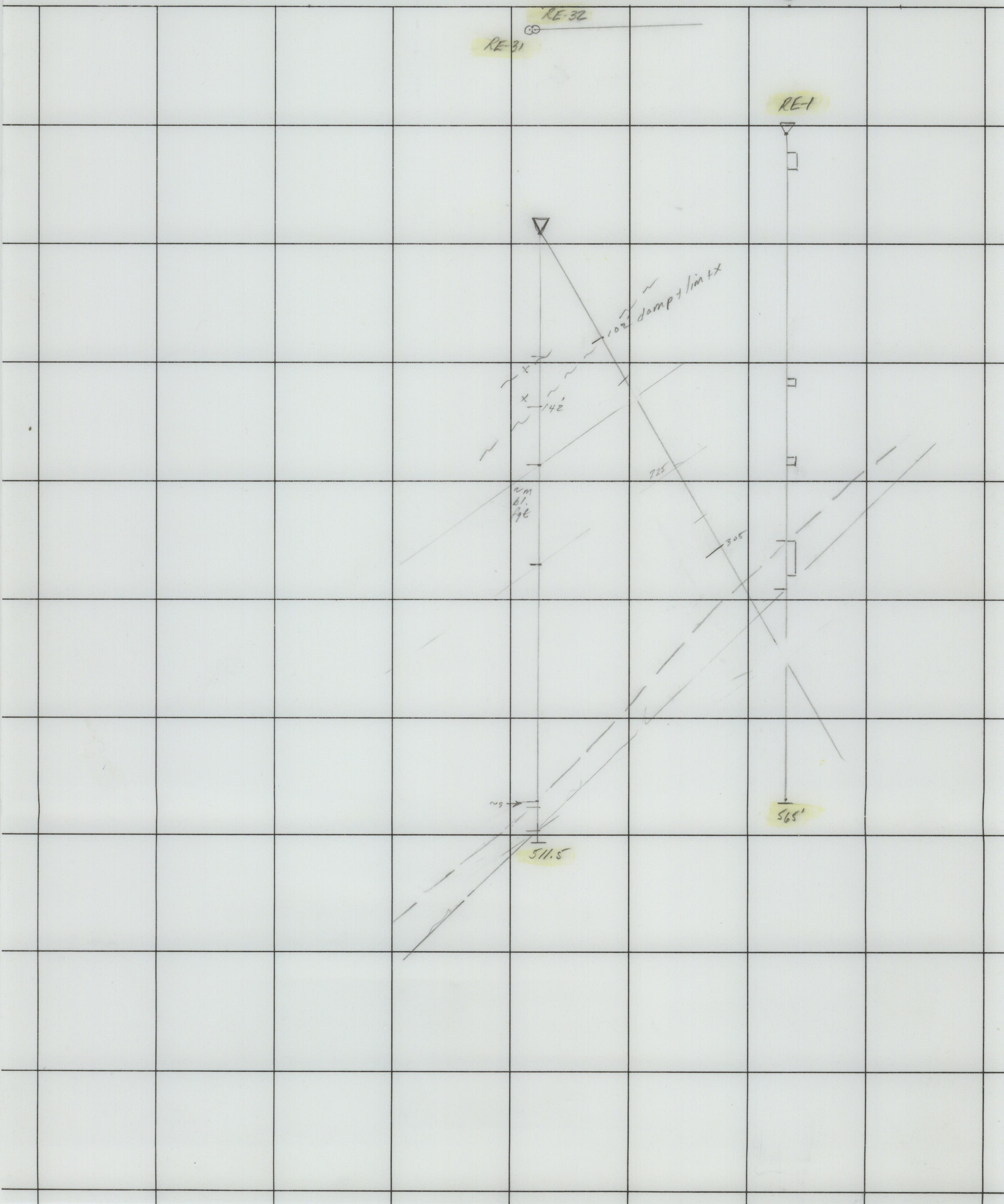


5000'

BY ..... DATE .....
CHKD. BY ..... DATE .....

SUBJECT .....

SHEET NO. ..... OF .....
JOB NO. .....
RE1



RE-27 RE-28 ( )

RE-27

RE-28

5000'

"Bud Breccia"
Fragmental

5000'

60' @
0.085

flt

SGT

485

Assays
Pending

Granular &
Flow-Bandend
Tuff

SGT

580'

Marker
Tuff

Assays
Incomplete

!?

S. EQUINOX TARGET
SxN. 1500E
1"=100'
8/3/89
NHB

3500N

3000N

RL-3

RL-4

RL-3

RL-4

RL-30

"Bud Breccia"
Mixed Fragmental
± Tuff

Rush

35'
@.031

55'
@ 0.117

135' @
0.061

265

305

365'

5000'

5000'

"Dozer"
Granular &
Flow-banded
Tuff

Lower
Fragmental

Lower? Granular
Tuff ?

Fine grained
Marker Tuff

505'

585'

SPF

S. EQUINOX TARGET

SXN. 1000E

1" = 100'

8/3/89

NHR

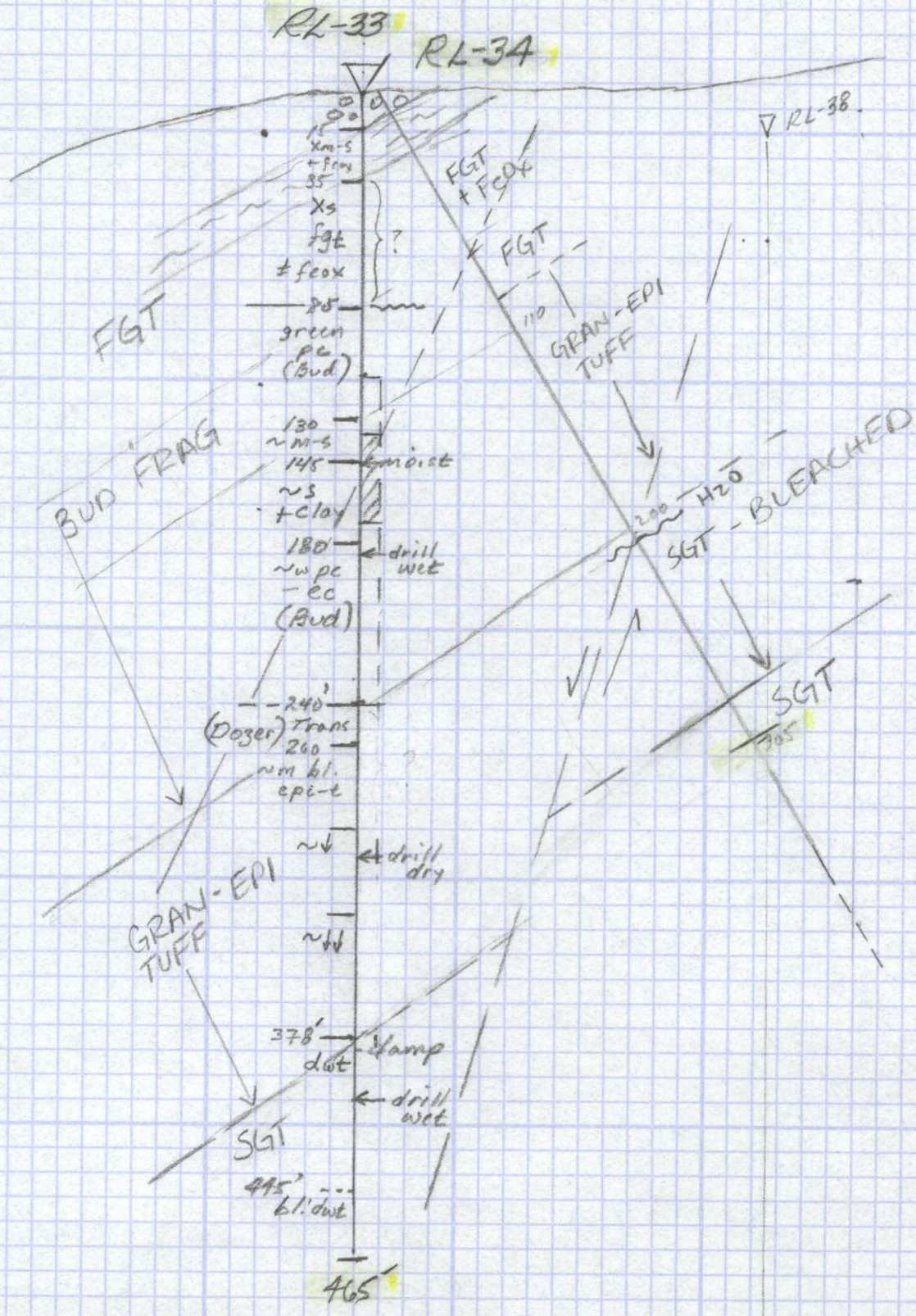
N

3400

3300

RL-33 RL-34

800E



5000'

5000'

3500N

S. EQUINOX TARGET

SXN. 800E

1" = 100'

8/15-16/89

NHB