

VE3
30

5-1-07 D. Lohr R. Nelsel

VE2-51-103

BS AL4-17-01

FS VE3-30-149

BS 00-00-00 3003.190

FS 178-37-05 2472.850

FS 358-37-25 2472.855

BS 180-00-20 3003.190

AL4-103

BS AL4-17-01

FS VE3-30-150-51

BS 00-00-00 3003.190

FS 177-49-00 611.095

FS 357-49-15 611.090

BS 180-00-15 3003.190

North

5-1-07
RH-01

VE3
30

13' EAST LOC
5:30 P.M.

VE3-30-149
5:30 P.M.
12 E.D.M. 1420

AL4-103

VE3-30-150-51

AL4-105-5-13

AL4-105-5-13

611.09

VE3-30-150-51

AL4-105-5-13
15' D.E.D.M.
24' E.D.M.
400

K-1

K-15

EVERY RD

3003.19

D. Lohr

15' 50' E
Rd Sign North Side

VE 31

5-01-07

VE2-51-103

AL4-17-01

VE3-31-151

BS 00-00-00 3003.185

FS 172-09-55 677.240

FS 352-10-05 677.240

BS 180-00-20 3003.190

VE-3-31-151

φ

spike AND

p. pole

50 w. of 5-1

677.24

VE2-51-103

3003.19

Howell Rd

AL4-17-01

5-01-07

VE-3-30-149

65 VE-2-51-103

FS	VE3-32-152
----	------------

65	60.00.00	2472.850
----	----------	----------

15	180-46-40	739.660
----	-----------	---------

15	00-46-45	739,660
----	----------	---------

55	180-00.10	2472.840
----	-----------	----------

7	VE3-30-199
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BS ALA - 103

VE3-32-153-T13 R1916da

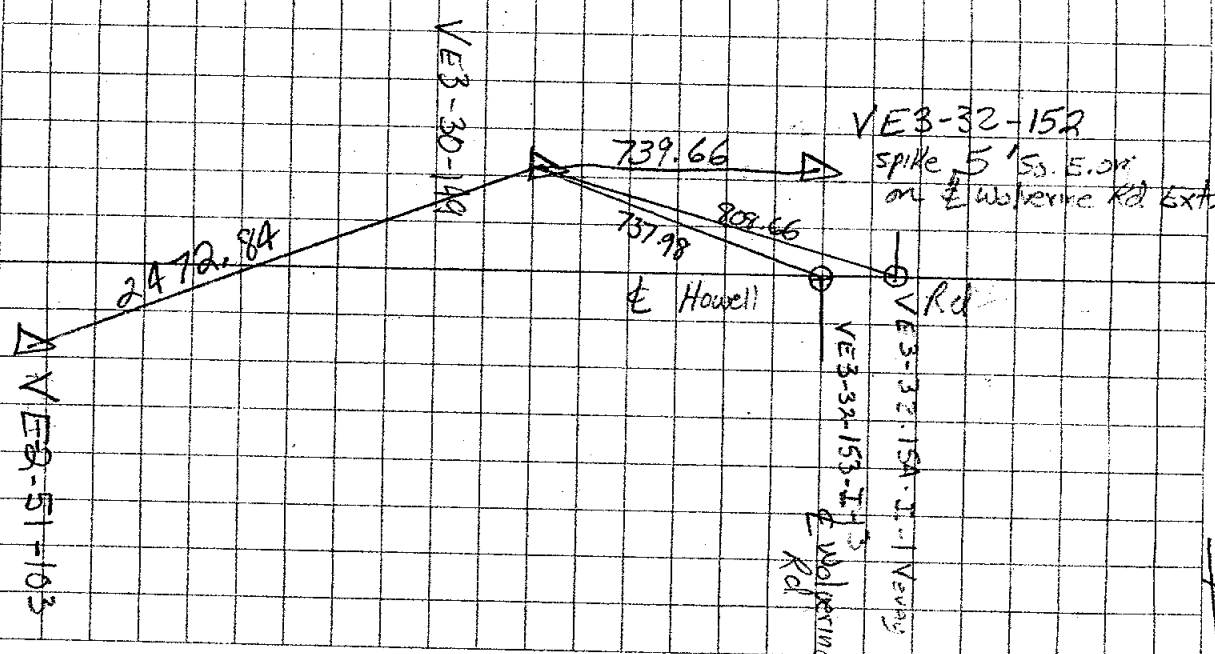
B5	00-00-00	2472.850
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ES	82-10-10	737.980
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VE-3-38-154-I-1	Veau
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00-00-00	2172.850
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FS	88-02-40	858.665
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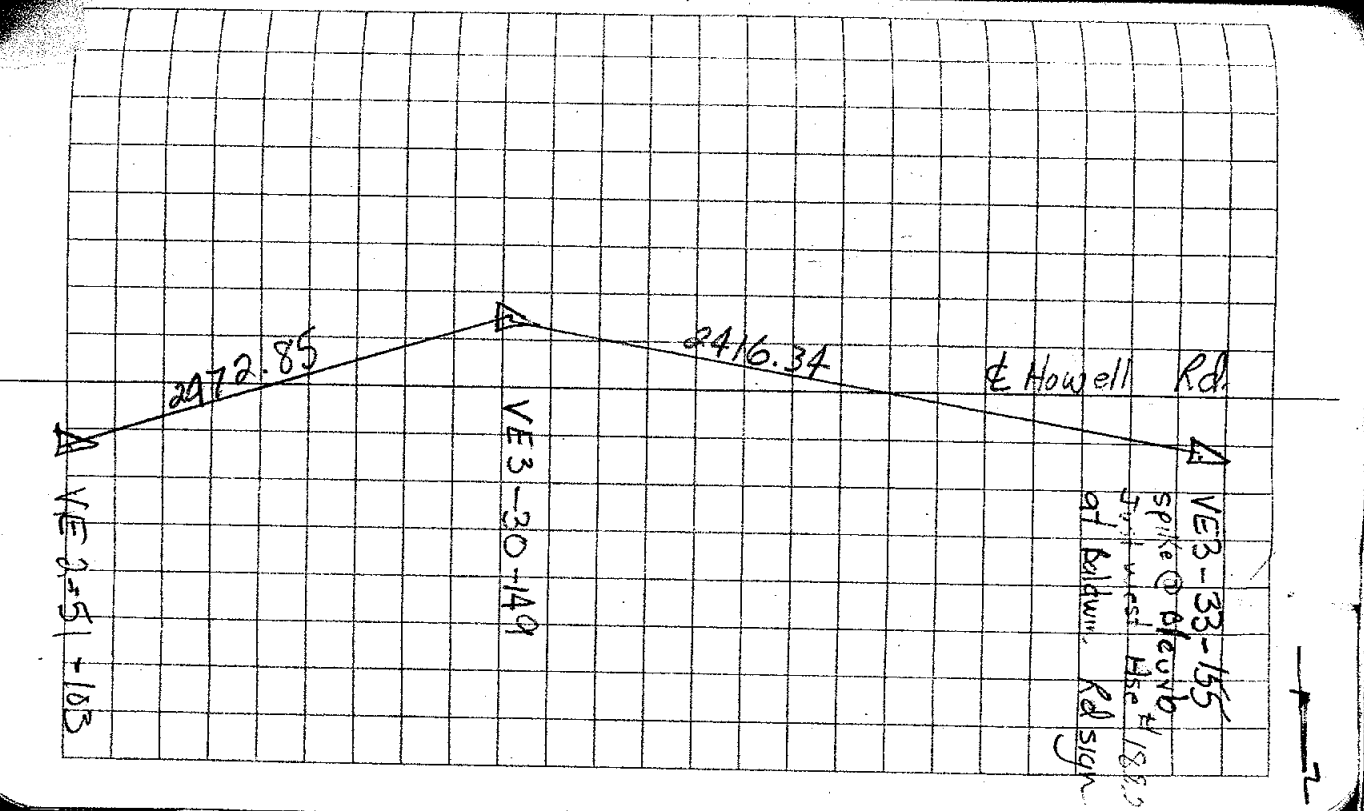


VE 3

	5-1-07	DL-RH	
T	VE 3-30-149		
BS	VE 3-51-103		
FS	VE 3-33-155		
BS	00-00-00	2472.850	
FS	181-42-15	2416.335	
FS	01-42-25	2416.335	
BS	180-00-15	2472.850	

No. 153C

HASTINGS, MN



VE3
34

5.1.07

VE3-33-155

VE3-30-149

VE3-34-156

00.00.00 2416.345

177-53-20 2147.710

357-53-30 2147.715

180.00-25 2416.350

VE3-33-155

VE3-30-149

VE3-34-157 - H13 + H14

00.00.00 2416.345

177-53-50 987.680

VE3-34-158 - H14 + H15

50.00.00 2416.345

177-54-10 1062.455

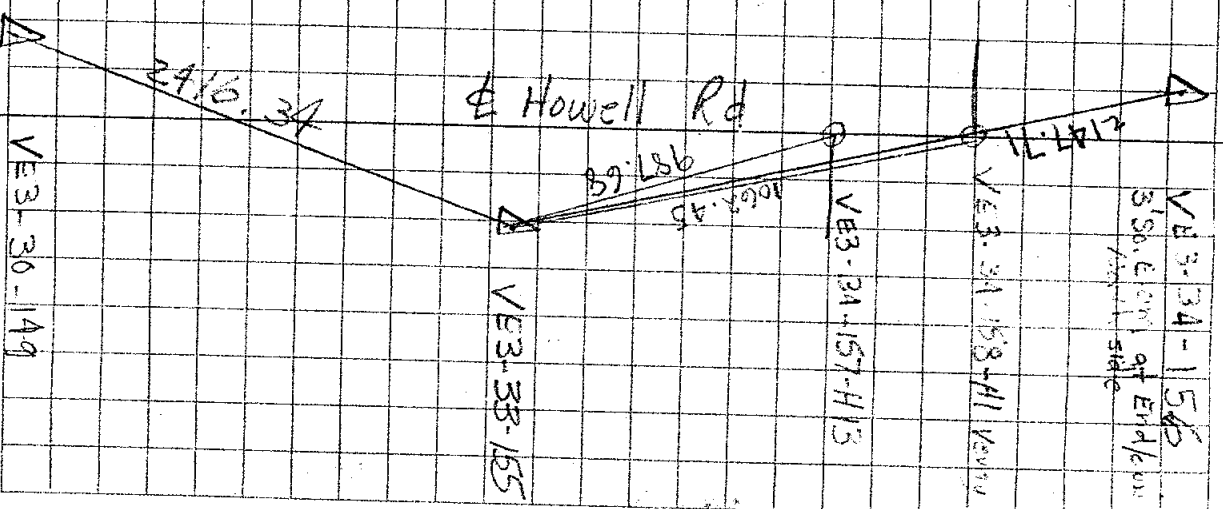
VE3-34-156
3' S. E. 10' 1' of End 1/4
N. 1/4 side

VE3-34-158 + H11 + H12

VE3-34-157-H13

VE3-33-155

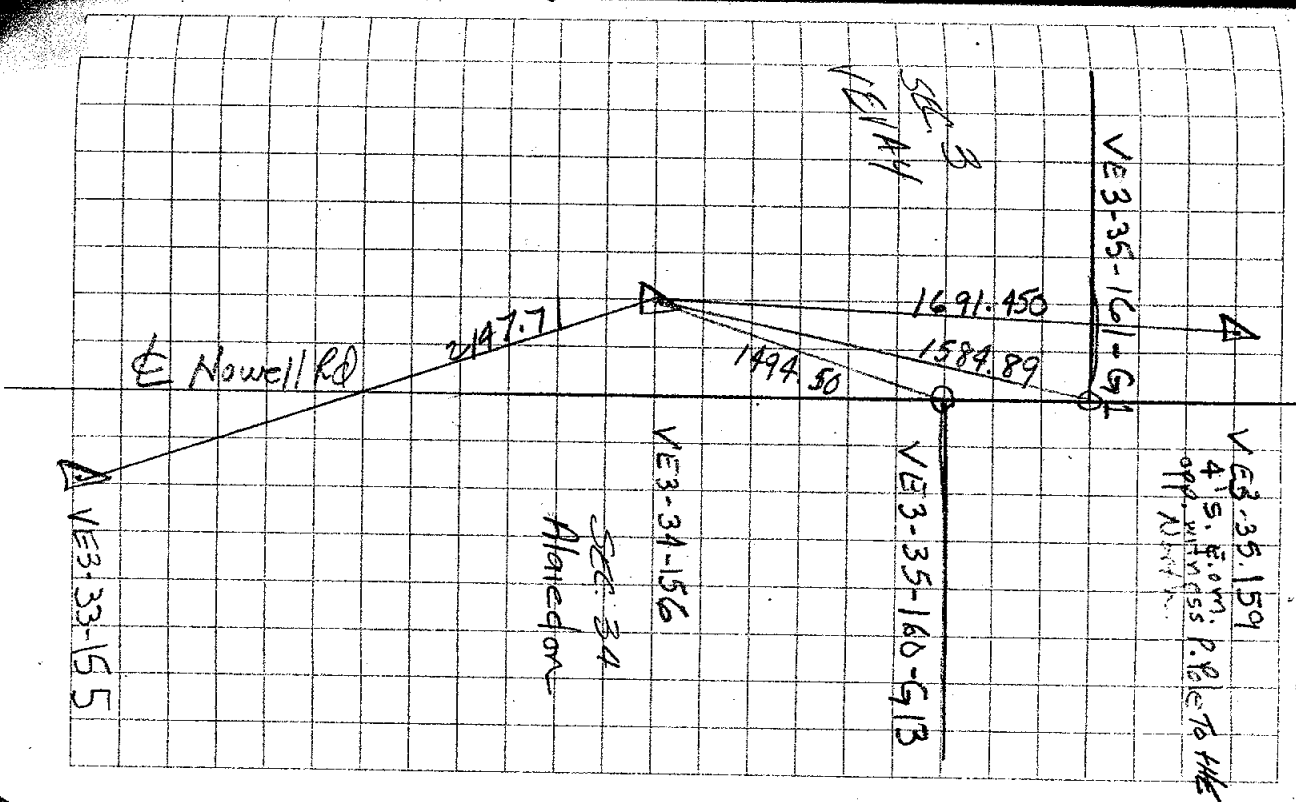
Howell Rd



VE 35

5-107 2000

A	VE 3-34-156				
BS	VE 3-33-155				
FS	VE 3-35-159				
BS	00-00-00	2147.710			
FS	181-17-20	1691.450			
FS	01-17-25	1691.455			
BS	180-00-30	2147.710			
A	VE 3-34-156				
BS	VE 3-33-155				
FS	VE 3-35-160 - G13 Alameda				
BS	00-00-00	2147.710			
FS	182-01-30	1494.495			
FS	VE 3-35-161 - G1 - Vevay				
BS	00-00-00	2147.710			
FS	181-57-40	1584.890			



Vevay 4 INDEX

- 1 Instrument Check 2007
- 2 witnesses to G-1
- 4 " " G-2
- 5 H-1
- 6 Steadman's H-2 Secpg. 45
- 7 H-3
- 8-17 Traverse Section R1a1edon
- 17-29 Traverse Section 3d2 Vevay
- 28-35 Traverse Section 34 R1a1edon
- 36-37 Traverse Section 3 -- Vevay
- 38-39 " Section 2 - Vevay
- 40-43 " H-2 to Anchor Post East
- 44 Inverse to set True H-2
- 45 witnesses to True H-2

Address

Telephone

This Book is manufactured of a High Grade 50% Rag Ledger Paper having a Water Resistant Surface, and is sewed with Nylon Water-proof thread.

645260



VE4-1

4-30-57

Instrument Calibration

Topcon GTS-3B S.N. T-61424

X @ 0.00 station

150 m. station Rec. as 492.1169'

meas. 492.145 vv

430 m. station Rec. as 1410.7365'

meas. 1410.7365

1410.7650 } Av.

1410.7700 } 1410.7579

1410.7600 }

1213 m. station Rec. as 3980.841

meas.

3980.8207 } Average

3980.835 } 3980.828

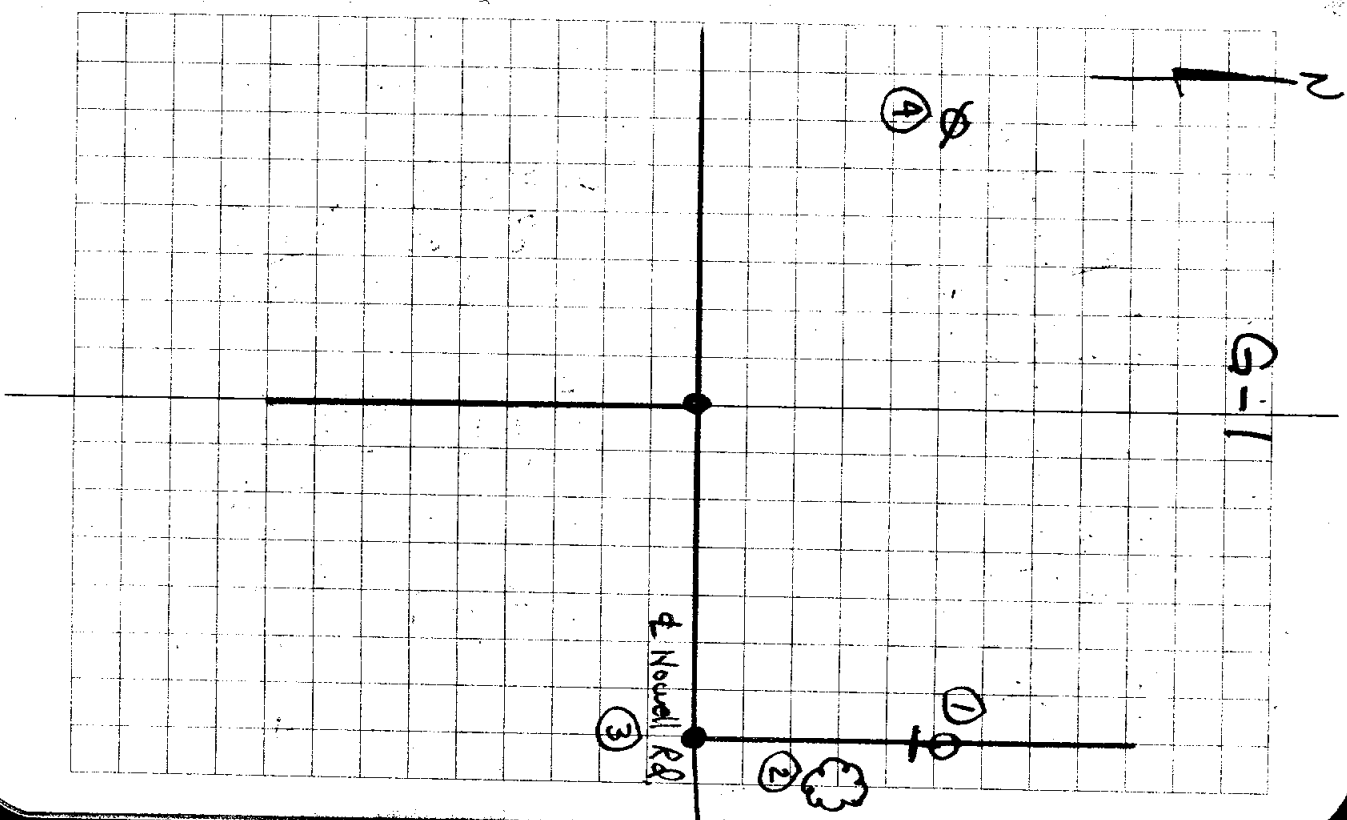
3980.836 }

VE 4-3

G-1: 4-4-07 P. 40hr

Fed. Conc. Mon. with Rebar & cap
#18998 in Mon Box w/ 2 riser pins
on & Howell Road, no occupation
South, Set Roman Cap #30090
one rebar in conc. mon.
witnessed 4-11-07 D. Lohr-R. Nessel

- 1 set Mag & Tag s/s P. Role
N G 2 E 109.80
- 2 Fed N 4 T 25832 s/s 15" Cherry
N 79 E 161.64 1
- 3 G-13 Alaydon Conc. Mon. Cap 18994
Due East 90.43
- 4 Set Mag & Tag s/s P. Role
N G 9 W 111.33

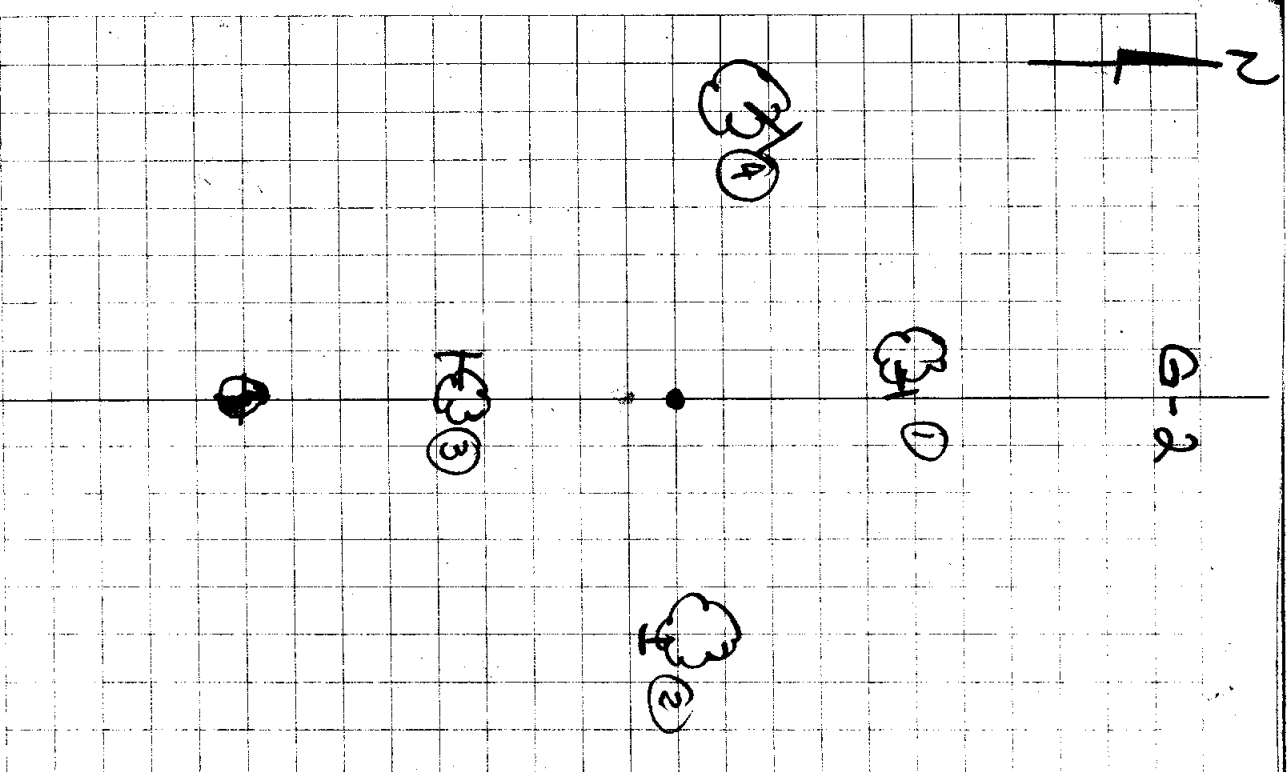


VE4-4
5-22-07

G-2: Waded out to anchor post
in 2.5' of water & found
3/4" x 20" pinch pipe set in & 15"
wood post, set standard bar set in
a 24" length of 3/4" pipe inside post
post is in water, set witness
measurement (standard 8 ft - 30090)
65.00' North on Section Line

To witness measurement

- 1 F&T N&T 28914 E/S 14" cherry
Dive North 22.10
- 2 Set Mag & Tag S 85 E 5/5 16" Oak
9.65
- 3 Set Mag & Tag W/S 10" Oak
Dive South 12.10
- 4 Set Mag & Tag NE/S 12" Red Oak
AD 47 W 17.82

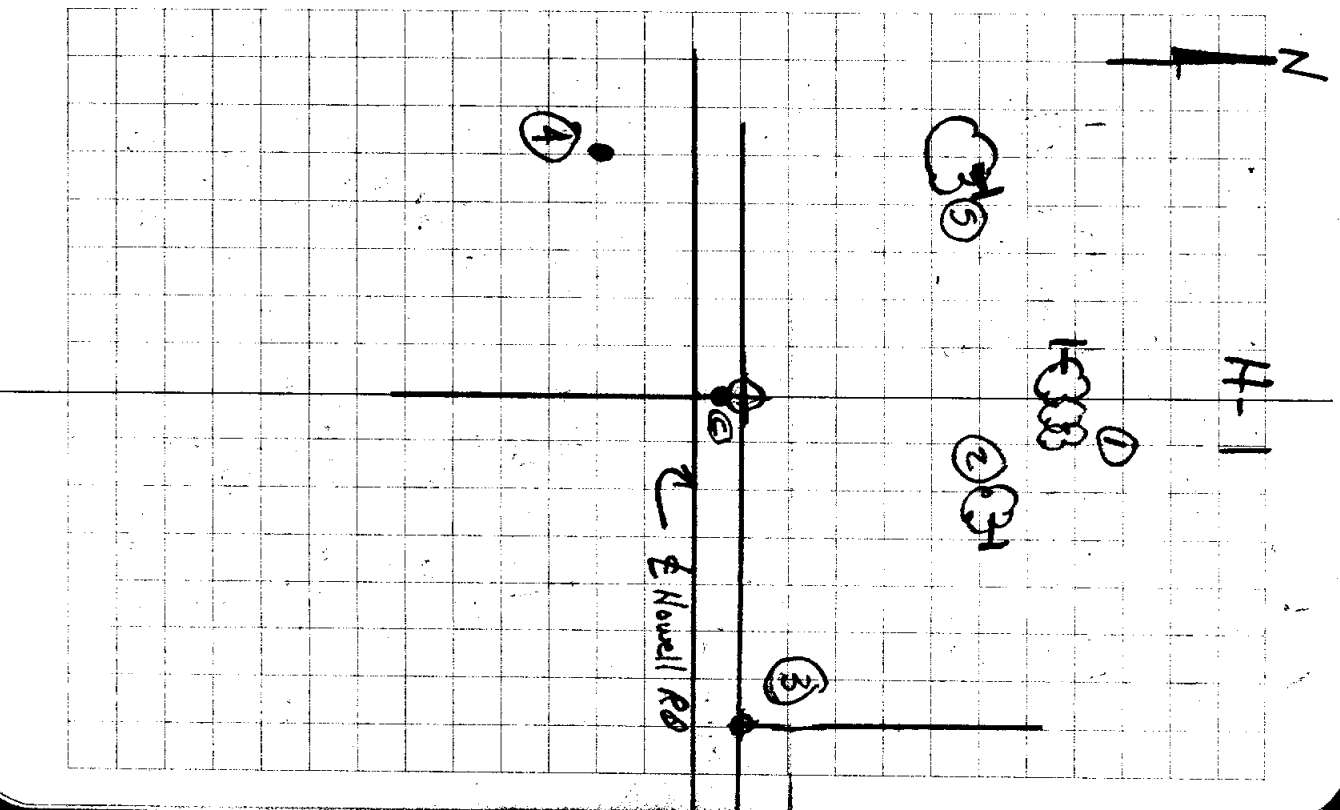


VE4-5

H-1: 4-4-07 0.1 dm

FD. Concrete monument with cap # 18994 in Mon. Box (off briser rings) 4' North of E Howell Rd no occupation South. Set standard Remon Cap # 30090 on Rebar in mon.
 Corner falls in 5' fill area.
 5-16-07 Adjusted 1.36 Ab. to standard Line, set BFC in new mon Box.

- 1 FD N4T 28414 w/s Tri 6" maple Due North 71.29 78.164
- 2 FD N4T 28414 E/S 12" Box sika N 15° E 58.79 60.15
- 3 FD H-13 Cone mon w/ Remon Cap 18994 Due East 74.78
- 4 Set BFC 30090 18 S. E 36.68 37.59
- 5 FD N4T 28414 Set Mon + Tag N 30° W 59.78 E/S 18" Ash
6. CETA Mon. in mon Box Due South 58.70 1.36'



VE4-6

H-2: 5-14-07 0.60 hr - R. Helsel

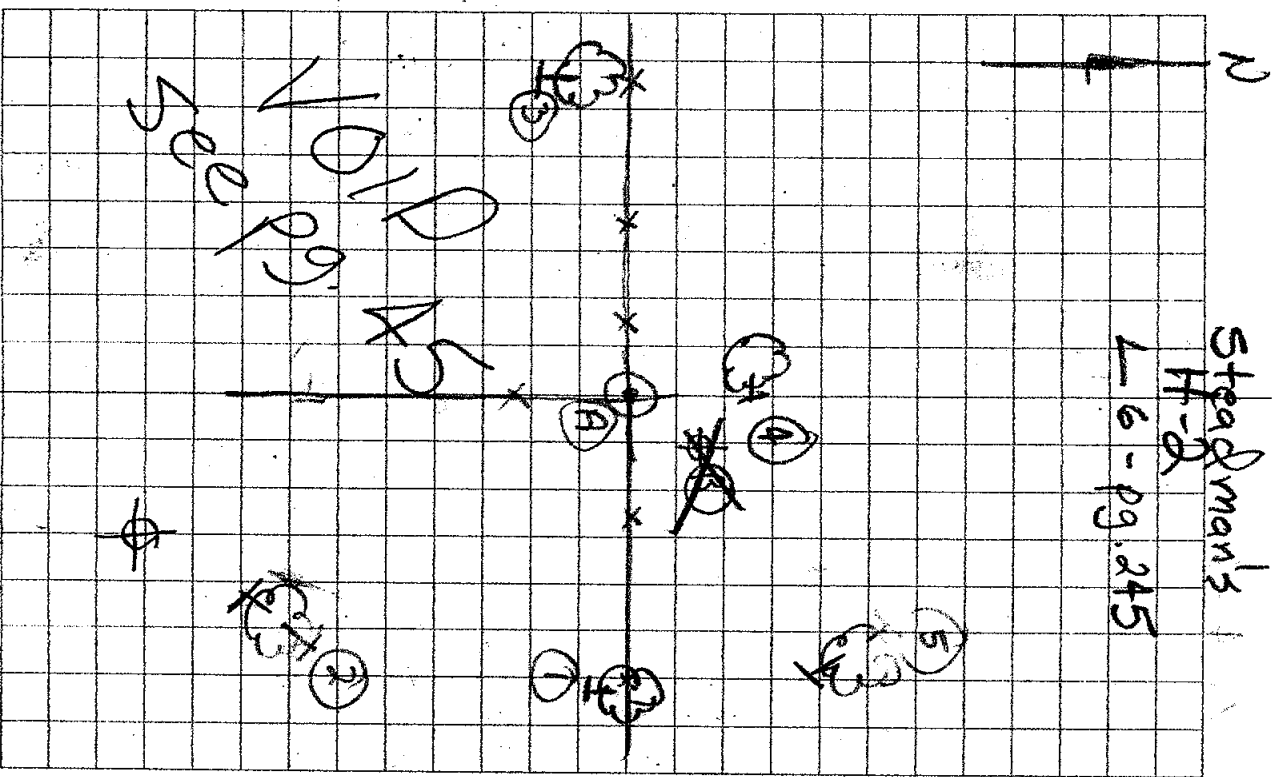
FD Steadman's 1"x8"x8" pipe cap at N/S of old rotted off anchor post in a circle of rocks. - F/L E, W & South Place

Set Standard B & C 30090 in place

5-30-07 02-RH

Traversed East to Rayner's Point #26
FD anchor post hole & used it to determine road line, reset this corner "B" using Rayner's survey data, dist. from west & line east.

- 1 Set Mag & Tag S/S 9" maple
~~6-5500~~ Due East ~~6-6-10~~ 11.63
- 2 Set Mag & Tag S/S 11" oak
~~6-5500~~ S 45 E ~~6-20-00~~ 22.67
- 3 Set Mag & Tag S/S 10" maple
~~6-5500~~ Due West ~~6-20-53~~ 19.27
- 4 Set Mag & Tag E/S 8" oak
~~6-5500~~ Due North ~~6-1-10~~ 3.52
- 5 Set Mag & Tag S/E 15 7" maple
~~6-5500~~ N 52 E 24.03
- 6 ~~6-5500~~ N 45 E 17.54

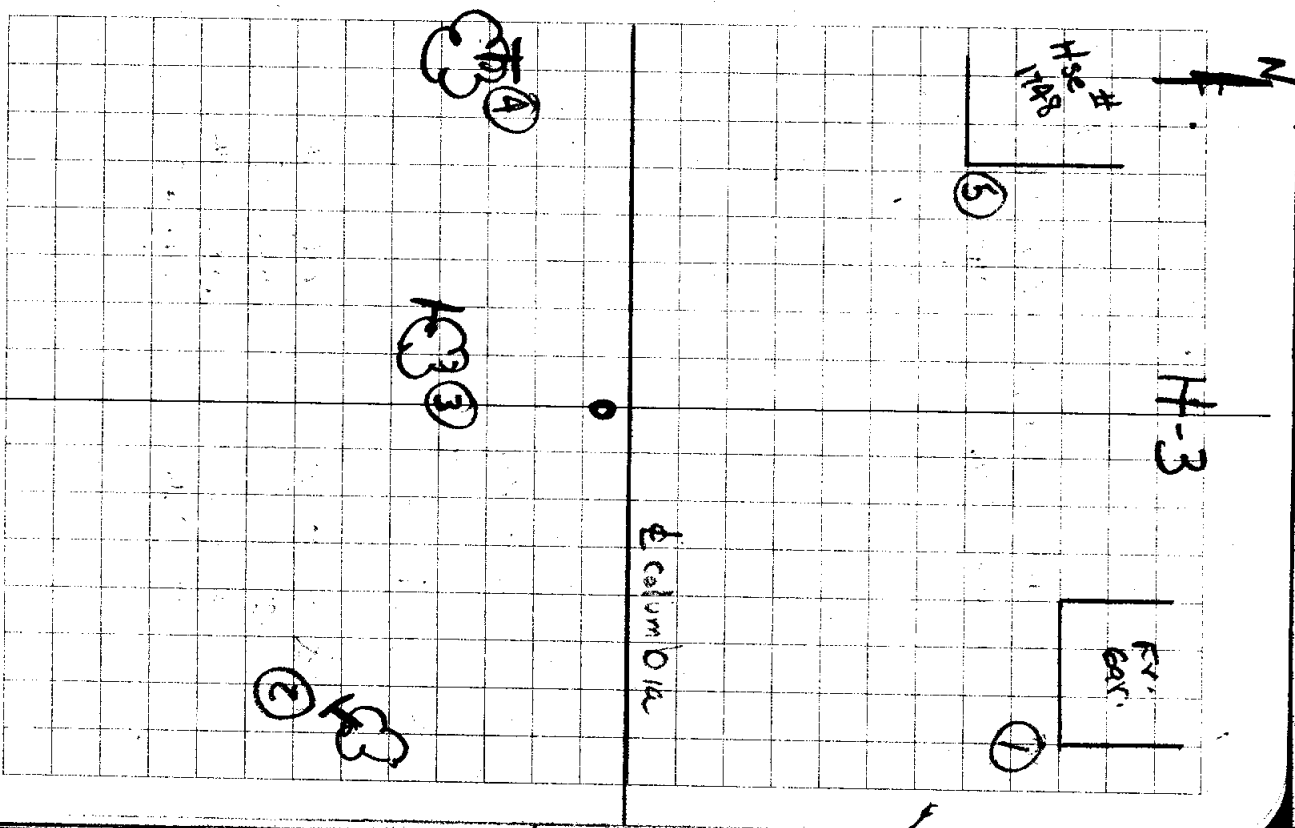


VE4-7

H-3: 4-1-07 D. Lohr

FD 1/2 rebar in Mon. Box, 0.5' so
 & Columbia from old fence line South

- 1 SE Corner Fr. Gar.
 N 88° E 138.44
- 2 Set Mag. Tag
 S 37° E 5w/s 12" Ash
 42.05
- 3 FD lg. spike
 S 19° W w/s 28" Maple
 25.38
- 4 FD Nail Tag 18998 N/S 28" Maple
 37.60
- 5 SE Corner N/S #
 N 17° W 105.00



VE-4-8

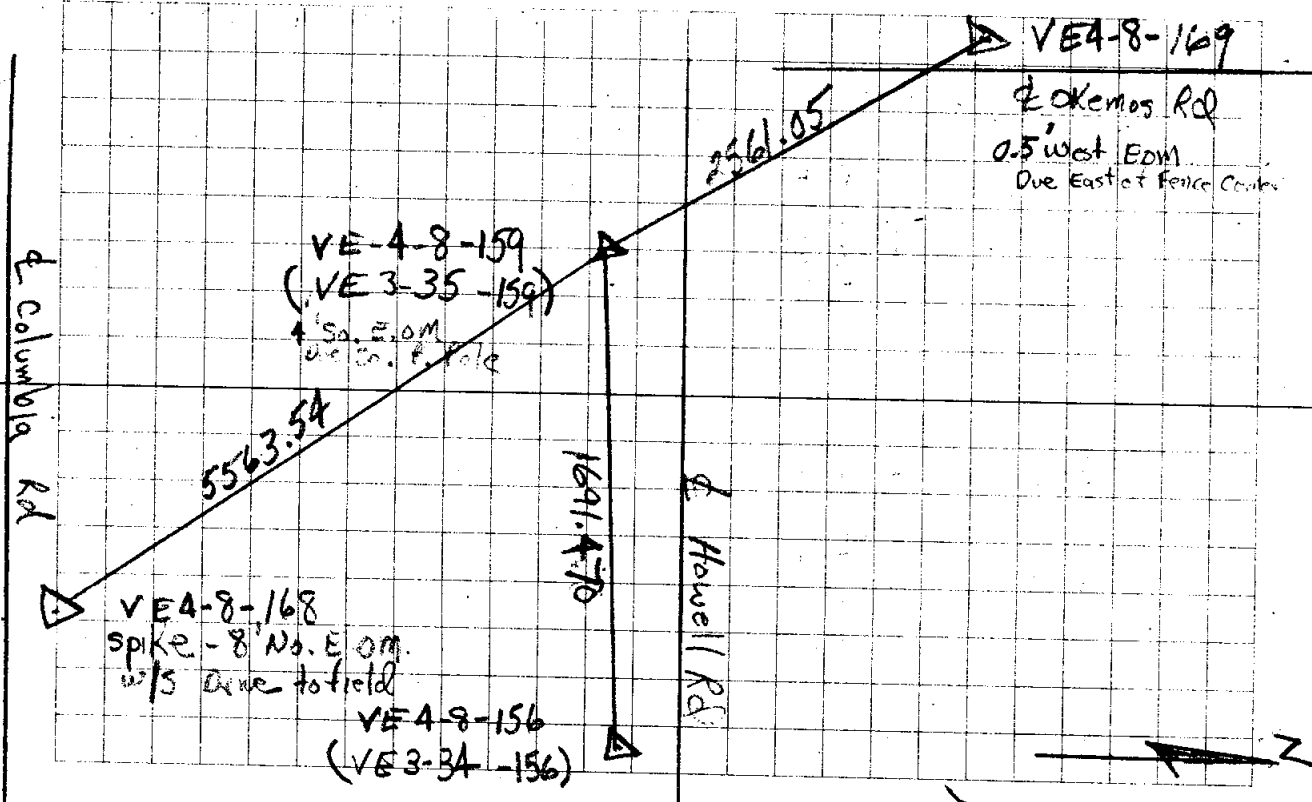
5-10-07 D. Lohr - R. Hessel

VE-4-8-159 (VE3-35-159)
BS VE-4-8-156 (VE3-34-156)
FS VE-4-8-168

BS 00-00-00 1691.470
FS 67-43-06 5563.538
FS 247-43-05 5563.532
BS 179-59-56 1691.468

VE-4-8-159
BS VE-4-8-156
FS VE-4-8-169

BS 00-00-00 1691.468
FS 195-17-26 2561.048
FS 15-17-22 2561.044
BS 179-59-57 1691.470



VE 4-9

5-10-07

T

VE 4-8-169

BS

VE 4-8-169

F5

VE 4-9-170-F-13

BS

00-00-00

2561.036

F5

344-49-04

2456.266

F5

164-49-03

2456.266

BS

179-59-55

2561.040

Lokemos Rd

VE 4-9-170-F-13

2456.27

Howell Rd

VE 4-8-159

2561.04

VE 4-8-169

VE4-10

5-10-07

VE4-8-168

BS VE4-8-159

FS VE4-10-171-G3

BS 00-00-00 5563.512

FS 291-50-35 1950.286

FS 111-50-34 1950.276

BS 180-00-00 5563.532

VE4-8-168

BS VE4-8-159

FS VE4-10-172-H-3

BS 00-00-00 5563.524

FS 113-52-07 718.870

FS 293-52-05 718.868

BS 180-00-02 5563.524

Δ VE4-8-159

VE4-10-171-G3

VE4-8-168

1950.28

5563.52

718.87

E Columbia

VE4-10-172-H3

VE4-11

5-10-07

X

VE4-8.169

BS

VE4-8.159

FS

VE4-11.173

BS

00-00-00

2561.040

FS

254-02-18

1606.708

FS

74-02-12

1606.708

BS

179-59-56

2561.034

Okemos Rd

Howell Rd

VE4-8.169

1606.71

VE4-8.159

VE4-11.173

5' W. E. of N/S Drive 725

So. Drive (Gravel)

VE4-12

5-10-07

X

VE4-11-173

BS

VE4-8-169

FS

VE4-12-174

BS

00-00-00

1606.692

FS

179-56-33

1036.086

FS

359-56-33

1036.086

BS

179-59-59

1606.700

2

Δ

VE4-12-174

10 W. E. 0M

20' So. & Drive # 905

Δ

VE4-11-173

1606.71

Lokemos Rd

Δ

VE4-8-169

VE4-13

5-10-07

VE4

VE4-12-174

BS

VE4-11-173

FS

VE4-13-175-G11 (ch to 167)

BS

00-00-00

1036.094

FS

233-10-59

3335.616

FS

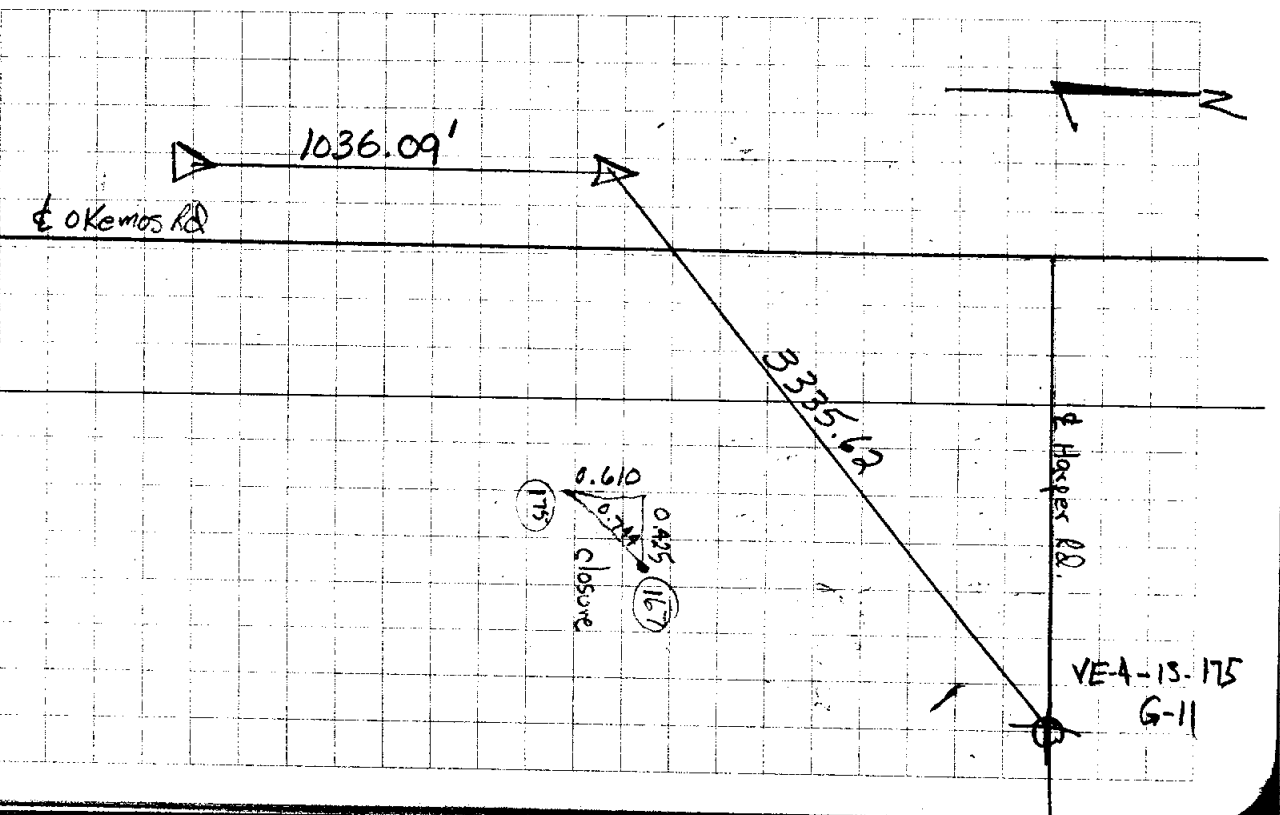
53.40-58

3335.620

BS

180-00-01

1036.092



VE4-14

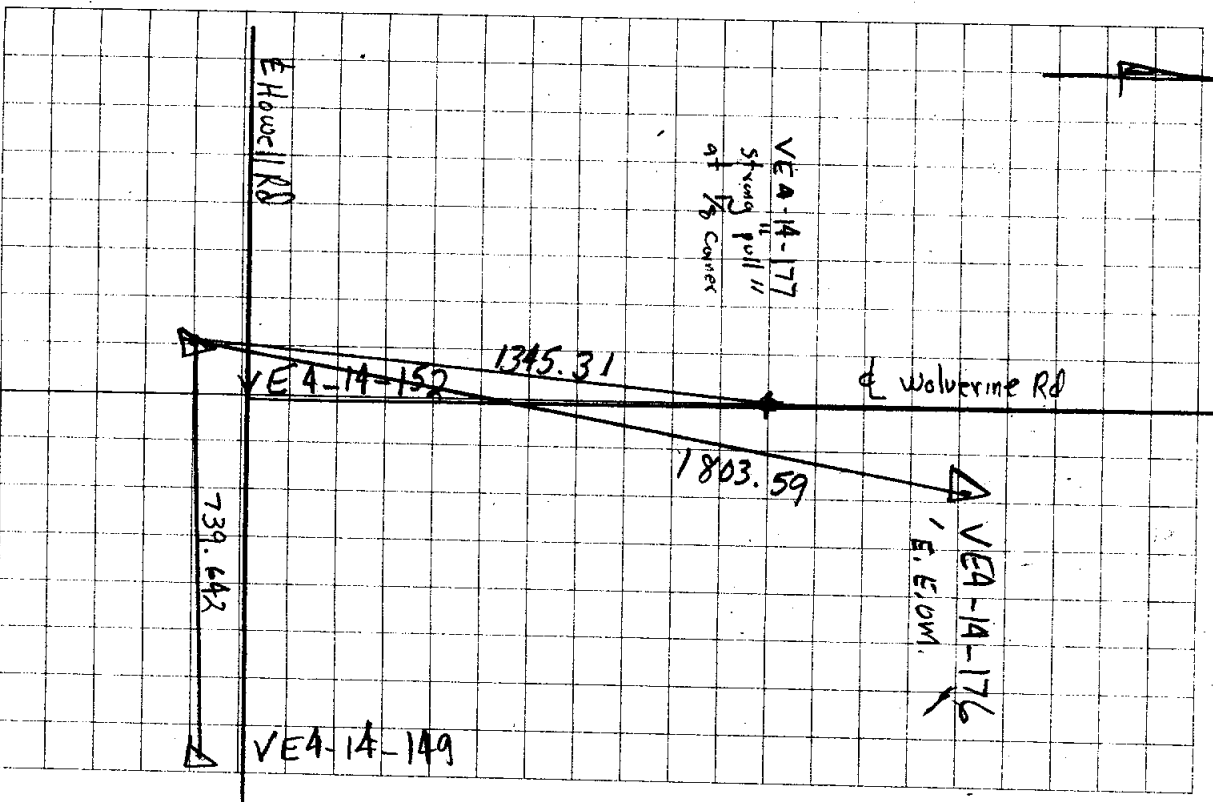
5-10-07

T VE4-14-152 (VE3-32-152)
 BS VE4-14-149 (VE3-30-149)
 FS VE4-14-176

BS 00-00-00 739.642
 FS 270-31-45 1803.586
 FS 90-31-43 1803.590
 BS 179-59-57 739.644

T VE4-14-152
 BS VE4-14-149
 FS VE4-14-177 - 1/8 corner

BS 00-00-00 739.644
 FS 270-09-13 1345.310



VE4-15

5-10-07

π

VE4-14-176

BS

VE4-14-152

FS

VE4-15-178-I-12

BS

00-00-00

1803.582

FS

178-42-02

869.876

FS

358-42-02

869.884

BS

179-59-55

1803.592

VE4-15-178-I-12 ch. #

869.88

Wolverine Rd

1803.58

VE4-14-176

@ E.E. Com on
Elec. Fence List

Hassell Rd

VE4-14-152

VE-4-16

5-10-07

VE4-16-155 (VE3-33-155)

BS VE4-14-152 (VE3-32-152)

FS VE4-16-179

BS 00-00-00 1676.916

FS 178-14-32 865.000

FS 358-14-32 864.984

BS 180-00-01 1676.818

VE4-16-179

0.5' No. E. OM

4.5' E. of Witness Guard Rail Post

Howell Rd

VE4-16-155

@ B/curb (North)

at Baldwin Rd sign (ahead)

1676.916

VE4-14-152

VE-4-17

5-10-07 0.2-RH

T

VE4-16-179

BS

VE4-16-155

FS

VE4-17-180

BS

00-00-00

864.992

FS

267-56-33

2604.034

FS

87-56-35

2604.018

BS

179-59-58

864.992

N

Gravel Drive

Drain

Drain

A

VE4-17-180

Rebar cap 1894

4' E. of P. Pole

25' S. of Drain

OH. wires

2604.018

A

864.992

VE4-16-179

A

VE4-16-155

VE4-18

5-14-07

D. Lohr - R. Hessel

VE4-8-168

BS VE4-8-159

FS VE4-18-181

BS 00-00-00 5563.582

FS 113-16-17 2812.806

FS 293-16-12 2812.796

BS 179-59-58 5563.592

VE4-8-159

R. Hessel

VE4-8-168

VE4-18-181

10' 50" E. of M. X
22' E. of Rd. Sign

Column 6

2812.80

5563.582

VE4-19

5-14-07

A

VE4-18-181

BS

VE4-8-168

FS

VE4-19-182-I3

BS

00.00.00

2812.778

FS

176.56.58

584.942

BS

356.56.58

584.942

BS

179.59.58

2812.790

A

VE4-18-181

BS

VE4-8-168

FS

VE4-19-183

BS

00.00.00

2812.786

FS

177.47.01

1846.702

FS

357.46.53

1846.692

BS

179.59.59

2812.784

N

VE4-8-168

VE4-18-181

VE4-19-182-I3

VE4-19-183

2.5 No. F.O.M.

41' W. of W. End bridge

△

2812.79

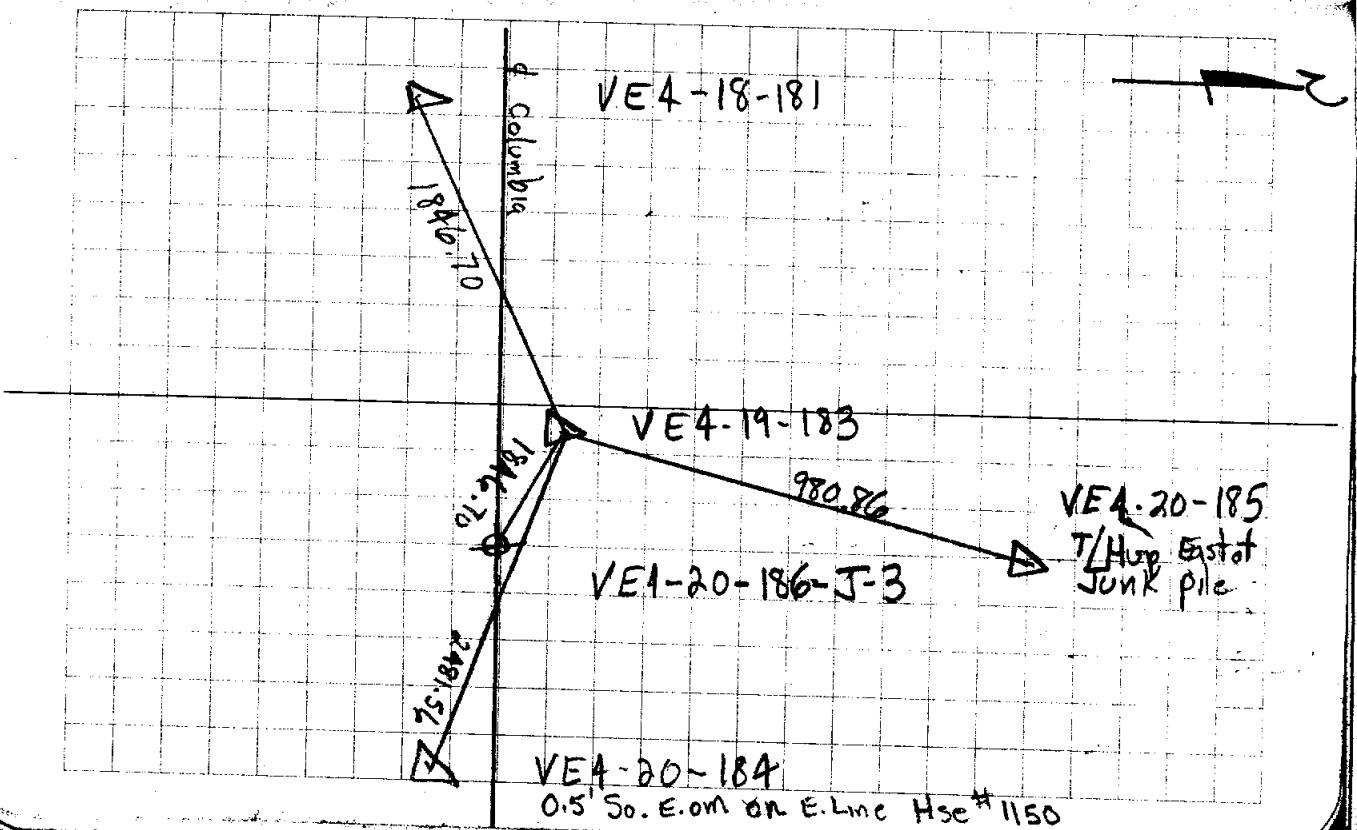
△

584.94

1846.70

△

VE4-20		
5-14-07		
X	VE4-19-183	
BS	VE4-18-181	
FS	VE4-20-184-	
BS	00-00-00	1846.698
FS	181-32-28	2481.570
FS	01-32-25	2481.556
BS	179-59-52	1846.714
X	VE4-19-183	
BS	VE4-18-181	
FS	VE4-20-185	
BS	00-00-00	1846.698
FS	133-53-34	980.860
FS	313-53-30	980.860
BS	179-59-56	1846.698
X	VE4-19-183	
BS	VE4-18-181	
FS	VE4-20-186-53	
BS	00-00-00	1846.706
FS	191-28-44	1385.006
FS	01-28-40	1385.010
BS	179-59-55	1846.696



VE 4-21
5-14-07

T	VE 4-20-184	
BS	VE 4-19-183	
FS	VE 4-21-187-K3 ch #134	
BS	00-00-00	2481.546
FS	179-15-22	1557.854
FS	359-15-26	1557.858
BS	179-59-46	2481.548

2

VE 4-19-183

2481.55
Columbia

VE 4-20-184

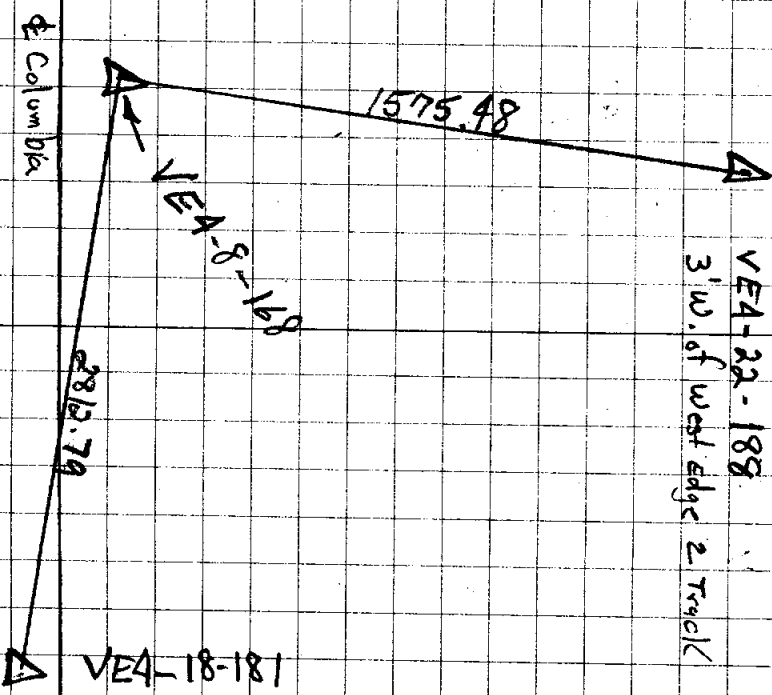
1557.86

VE 4-21-187-K3 ch.

VE4-22
5-14-07

VE4-8-168	2812.790
VE4-18-181	1575.484
VE4-22-188	1575.492
00-00-00	2812.790
268-50-48	1575.484
88-50-47	1575.492
180-00-00	2812.790

N



VE4-23
5-14-07

VE4-22-188

VE4-8-168

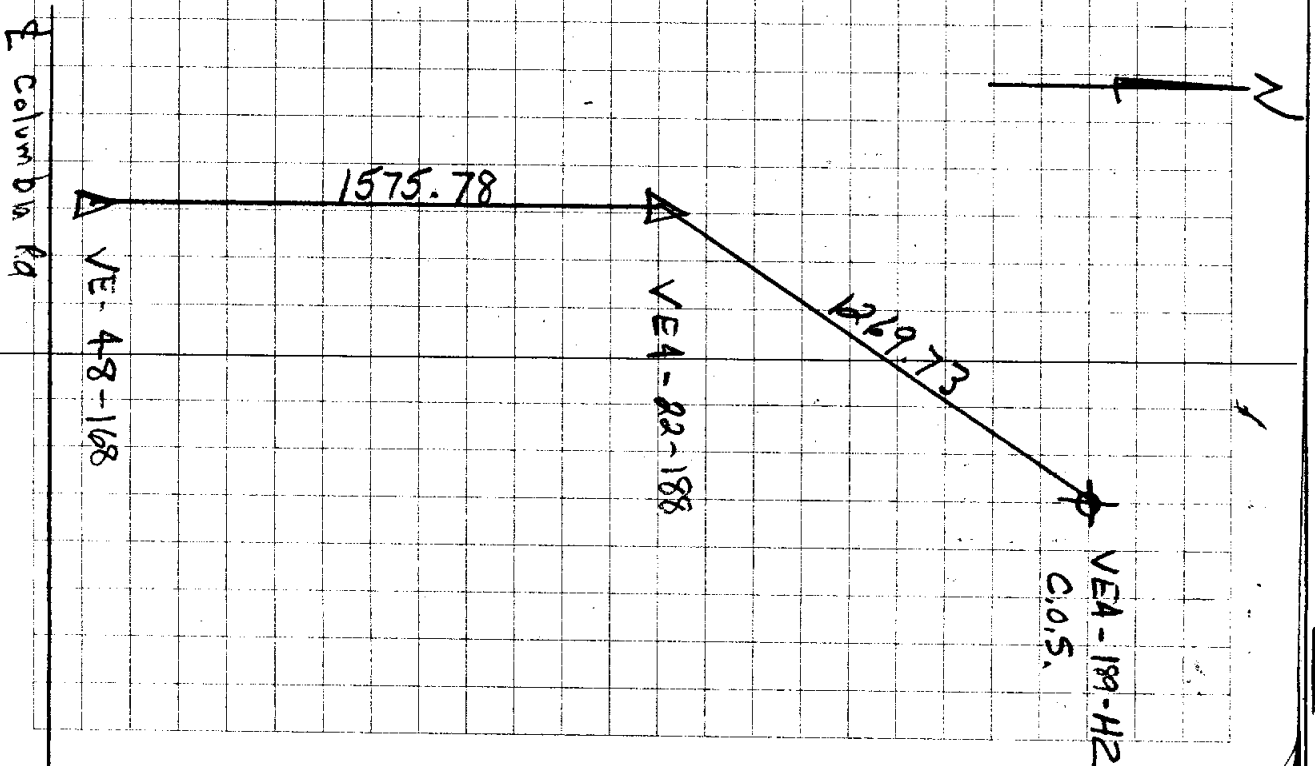
VE4-23-189-H2-C.O.S.

00-00-00 1575.478

812-30-38 1269.732

32-30-30 1269.710

179-59-58 1575.484



VE4-24
5-14-07

X VE4-20-185

BS VE4-19-183

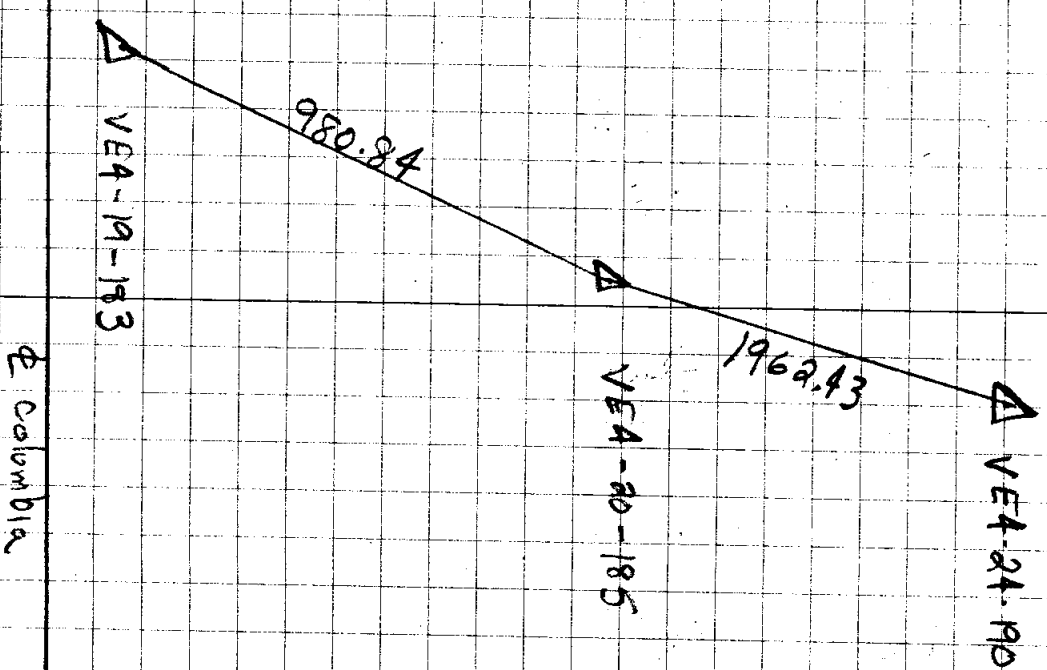
FS VE4-24-190

BS 00-00-00 980.840

FS 157-16-18 1962.430

FS 337-16-15 1962.438

BS 179-59-57 980.838



VE4-25

5-14-07

R. Lohr - R. Hessel

X

VE4-24-190

BS

VE4-20-185

FS

VE4-25-191-J2-C.O.S.

BS

00.00-00

1962.444

FS

180-59-47

87.116

FS

0.59-48

87.116

BS

179-59-59

1962.440

VE4-25-191-J2
C.O.S.

87.116

VE4-24-190

1962.44

VE4-20-185

VE4-26

5-22-07 D. Lohr - R. Nebe

T

VE4-8-159 (VE3-35-159)

BS

VE4-8-156 (VE3-31-156)

FS

VE4-26-194

BS

00-00-00

1691.426

FS

87-16-48

2391.952

FS

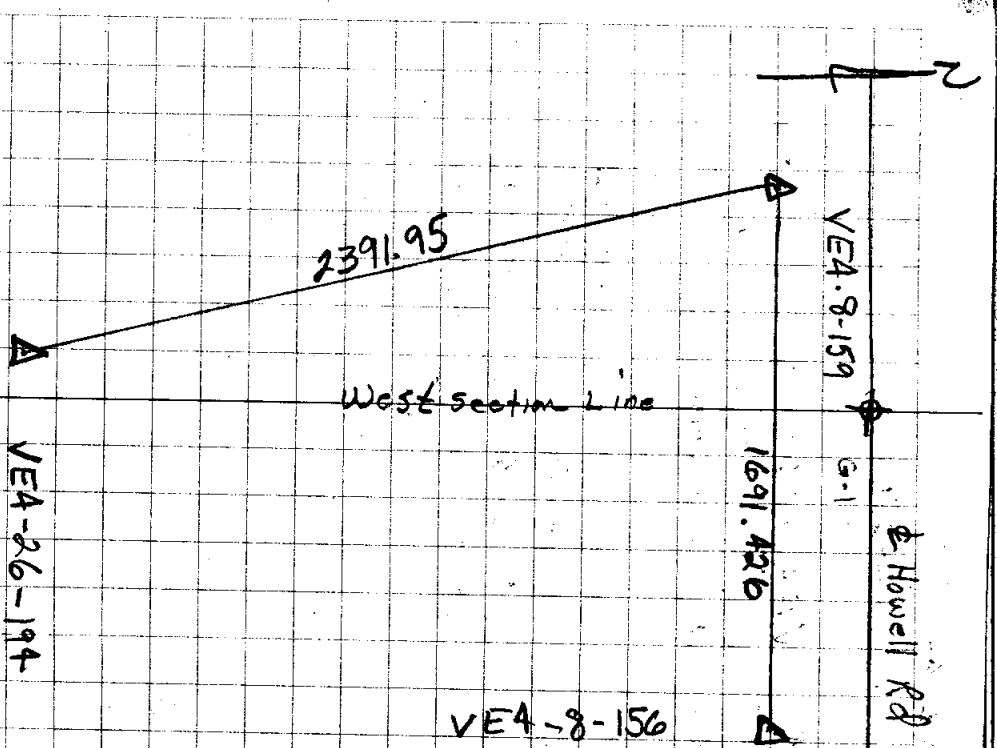
267-16-37

2391.948

BS

179-59-46

1691.428



5-22-07

VE4-26-194

✓ E 4-8-159

VE 4-27-195.62

50-50-40 2391.954

174-10-58	125.568
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354-10-56	125 592
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180-00-02	2391.960
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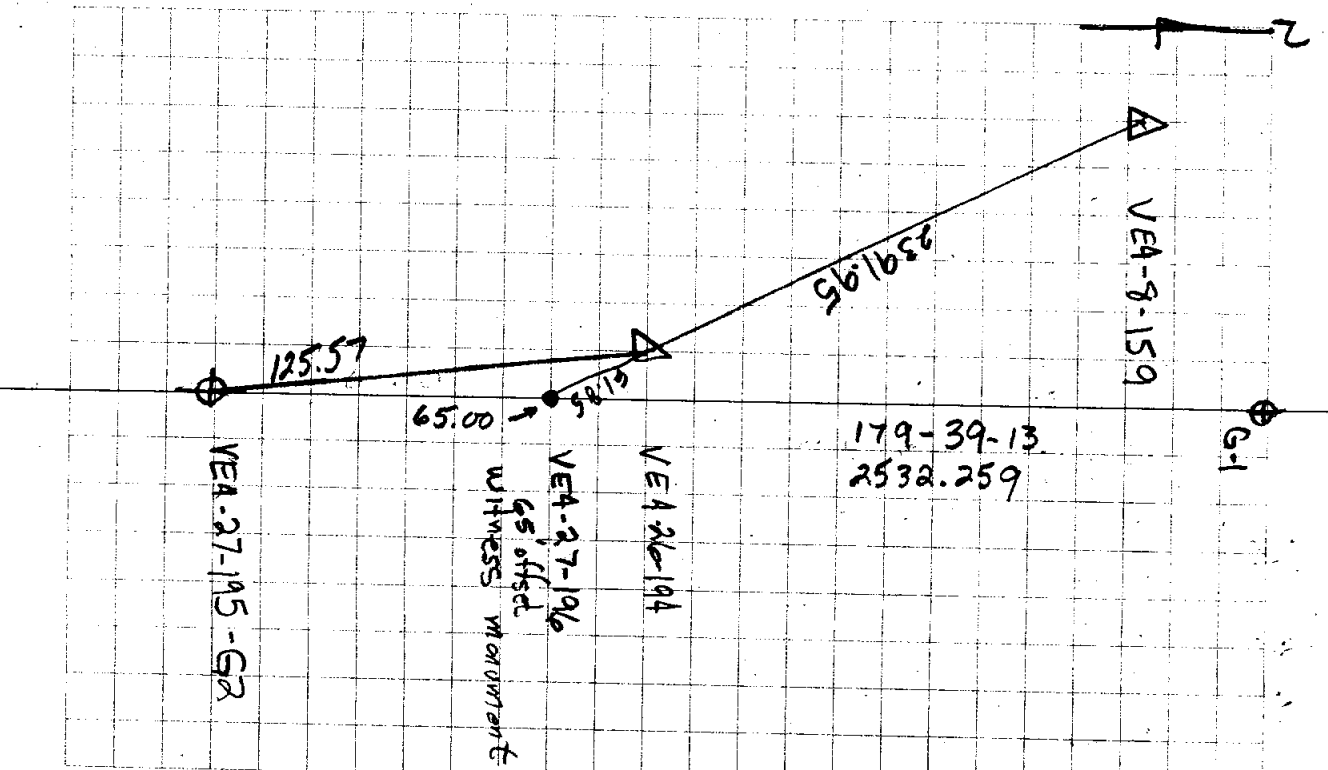
VE4-26-194

VED - 8-159

VED-27-196-65 offset

00.00.00 239/954

165-48-55	6/1/95
-----------	--------



VE4-28

5-22-07

N

VE4.15-178-I/2

BS

VE4.14-176

FS

VE4-28-197

BS

00-00-00

869.880

FS

181-34-14

2653.504

FS

01-34-06

2653.508

BS

179-59-57

869.880

Wolverine Rd

VE4.28-197-I-11

2653.50

VE4.15-178-I/2

869.88

VE4-14-176

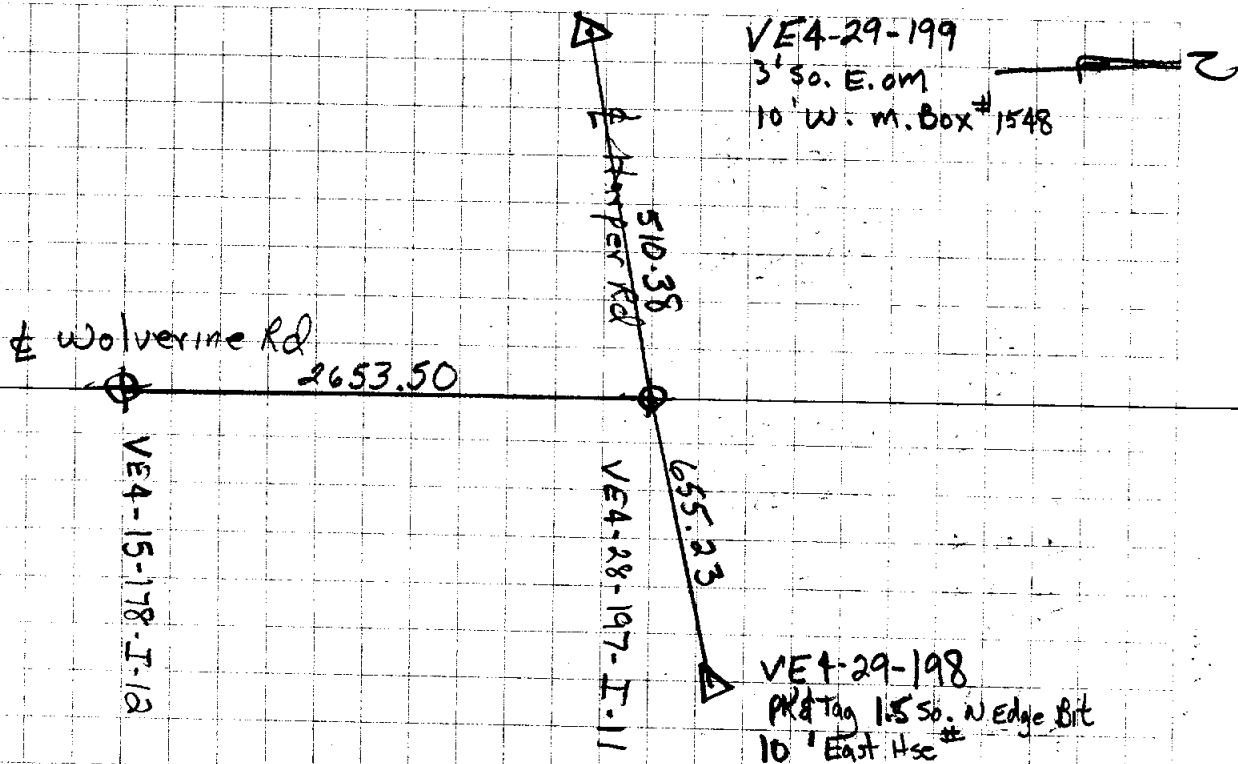
VE4-29
5-22.07

T VE4-28-197-I.11
BS VE4-15-178-I.12
FS VE4-29-198

BS 00-00-00 2653.502
FS 267-47-34 655.232
FS 87-47-32 655.232
BS 179-59-59 2653.490

T VE4-28-197-I.11
BS VE4-15-178-I.12
FS VE4-29-199

BS 00-00-00 2653.498
FS 86-37-06 510.376
FS 266-37-03 510.376
BS 179-59-56 2653.502

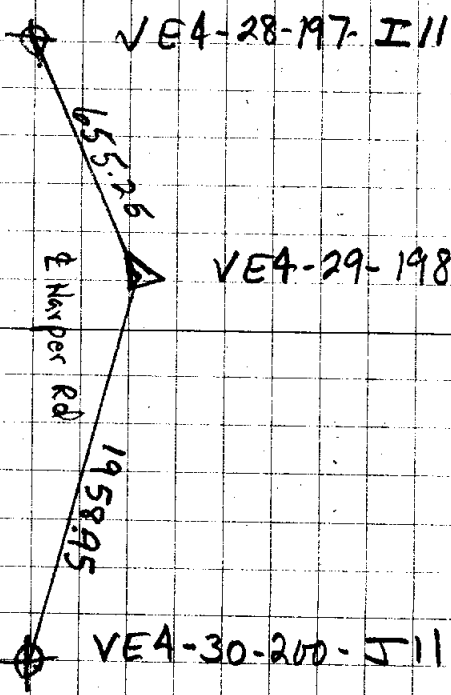


VE4-36

VE4-29-198
VE4-28-197-I11
VE4-30-200-J11

BS 00-00-00 655.258
FS 181-25-12 1958.944
FS 01-25-05 1958.950
BS 179-59-55 655.250

2



VE4-31

5-22-07 D. Lohr - E. Hulse

N

VE4 - 29-199

BS

VE4 - 28-197-I11

FS

VE4 - 31-201-H11

BS

00-00-00

510.380

FS

183-08-H

2228.796

FS

03-08-20

2228.776

BS

180-00-02

510.380

VE4-31-201-H11

2

VE4-29-199

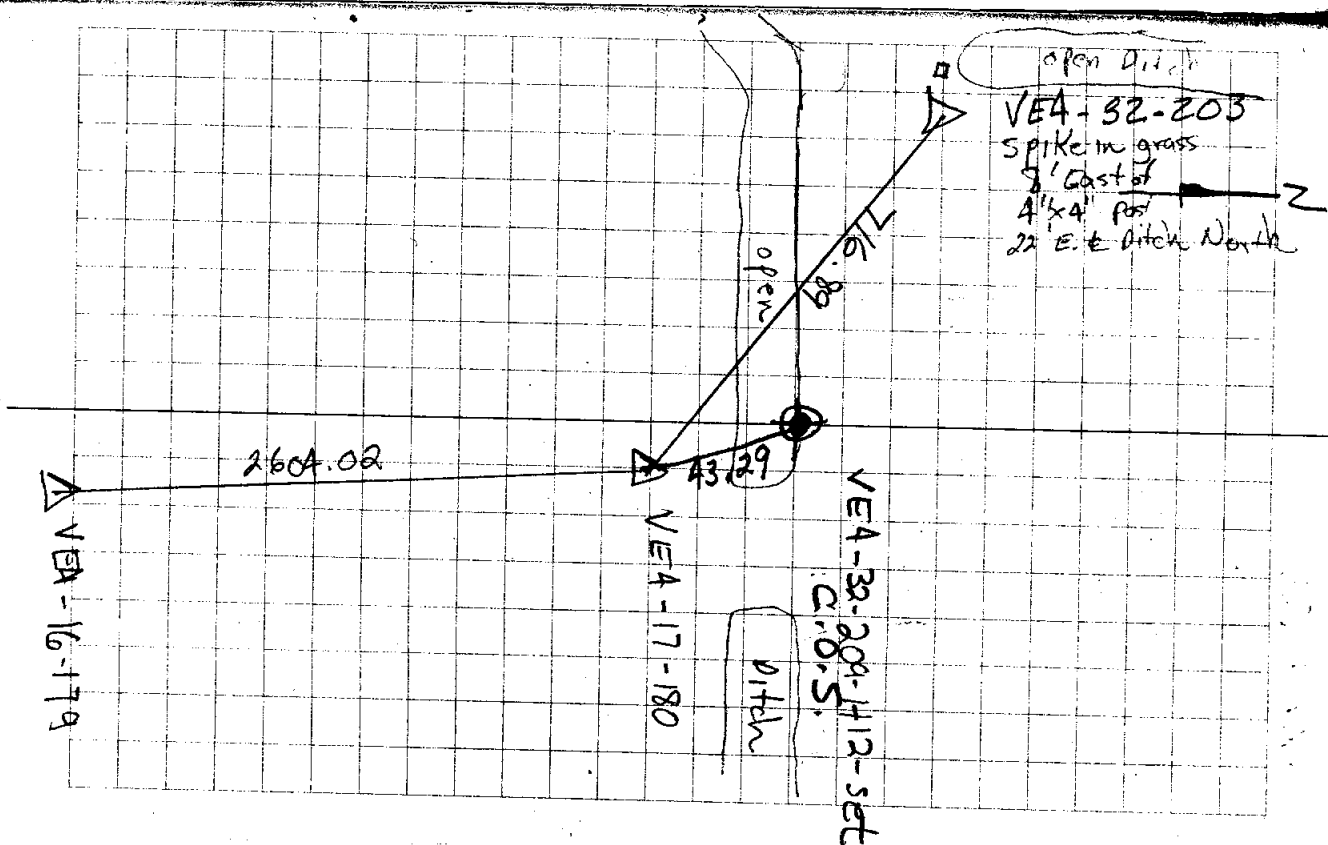
E Harper Rd

VE4-28-197-I11

2228.80

510.38

VE4-32					
5-23-07	D. Lohr - R. Neise				
<u>A</u>	VE4-17-180				
BS	VE4-16-179				
FS	VE4-32-203				
BS	00-00-00	2604.040			
FS	114-47-36	716.894			
FS	294-47-25	716.890			
BS	179-59-48	2604.052			
SS	to set H-12				
<u>X</u>	VE4-17-180				
BS	VE4-32-203				
FS	VE4-32-208-H12-set 209.				
BS	00-00-00	716.886			
FS	30-33-54	43.294			



VE-4-33

5-23-07 D. Lohr-R. Helsel

X

VE4-32-203

BS

VE4-17-180

FS

VE4-33-204 F/L

BS

00-00-00

716.896

FS

40-30-04

282.200

X

VE4-32-203

BS

VE4-17-180

FS

VE4-33-205

BS

00-00-00

716.890

FS

160-55-19

1356.674

FS

340-55-18

1356.678

BS

180-00-08

716.890

N

VE4-33-205

1356.67

VE4-32-203

282.20

#204

716.89

open area

VE-4-17-180

By Traverse, #204
fills 12.5' sq.
of E-W 1/4 Line

VE4-34

5-23-67 O. Lohr-R. Nelsel

VE4-33-205

VE4-32-203

VE4-34-206

BS 00-00-00 1356.638

FS 169-58-00 693.826

FS 349-57-54 693.826

BS 180-00-03 1356.638

VE4-34-206

693.83

VE4-33-205

1356.67

VE4-32-203

VE4-35

5-23-07 D. Lohr - R. Nelse

VE4-34-206

VE4-33-205

VE4-35-207-G12

BS 00-00-00 693.838

FS 01-11-27 237.640

FS 271-11-25 237.650

BS 179-59-55 693.834

N



open ditch

VE4-34-206

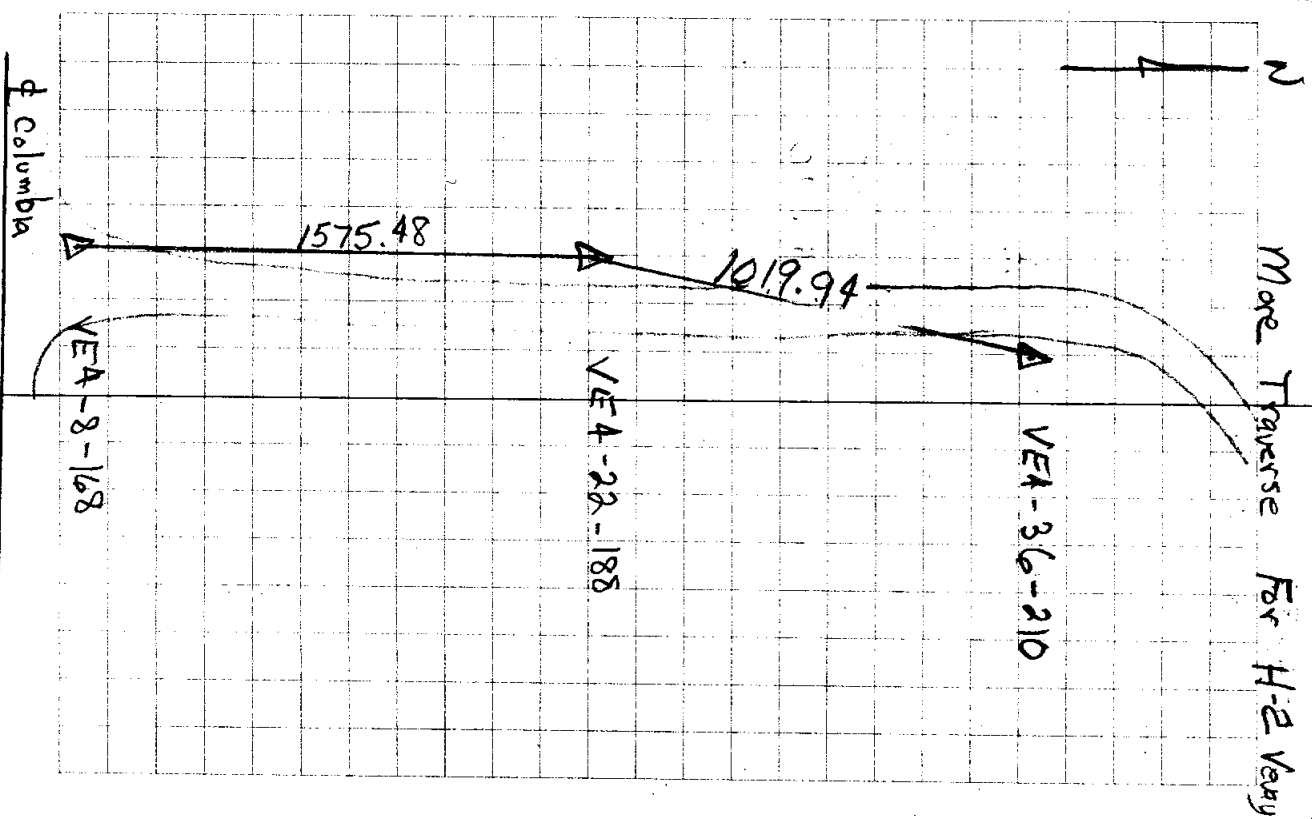
693.83

VE4-33-205

237.64

VE4-34-207-G12

VE4-36			
5-23-07	0.60hr		
VE4	VE4-82-188		
BS	VE4-8-168		
FS	VE4-36-210		
BS	00-00.00	1575.460	
FS	179-84-30	1019.940	
FS	359-84-50	1019.945	
BS	180-00.40	1575.470	



5-23-07 D. Lohr

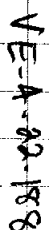
VE4-36-210	VE4-22-188
VE4-36-210	VE4-22-188

B5	50.00-00
F5	226-07-25

S.S. to E-W Fenceline

TA	VE 4-36-210
BS	VE 4-22-188

BS	00-00-00
FS	152-21-45



VE4-38

5-24-07 0600hr - R. H. Hesel

FS

VE4 - 19-183

FS

VE4 - 8-168

FS

VE4 - 38-215

BS

00-00-00

1846.740

FS

80-35-18

2607.314

FS

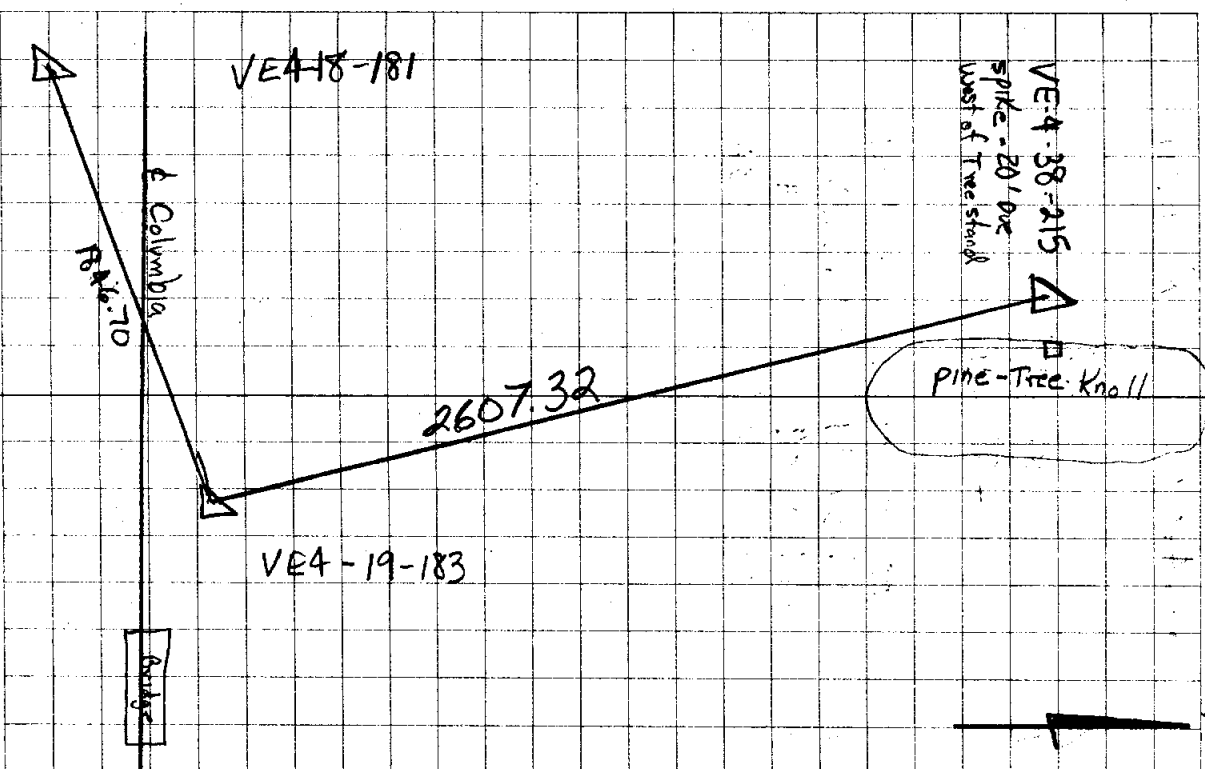
260-35-10

2607.330

BS

179-29-58

1846.736



VE4-39

5-24-07 O. Lohr - R. Neise

T

VE4-38-215

BS

VE4-19-138

F5

VE4-39-216-12-set

BS

00.00.00

2607.310

F5

104-51-51

813.150

F5

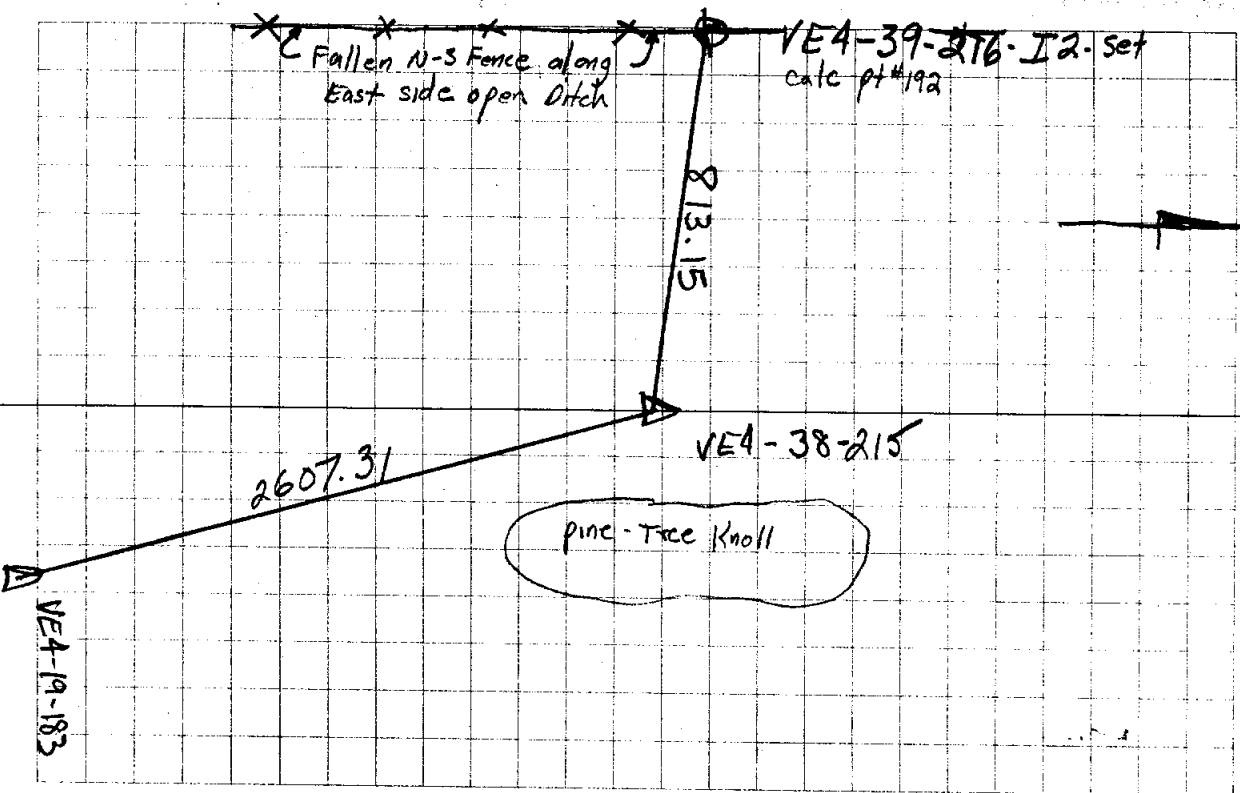
284-51-44

813.148

BS

179-59-54

2607.310



VE4-40

5-30-07

D. Lohr - R. Hessel

T

VE4-23-189-Steadman

BS

VE4-22-188

FS

VE4-40-221

BS

00-00-00

1269.690

FS

215-55-20

203.510

FS

35-55-45

203.505

BS

180-00-10

1269.695

Inverse to set H-2 (VOID-seepg. 44)

T

VE4-23-189

BS

VE4-40-221

FS

VE4-40-221

BS

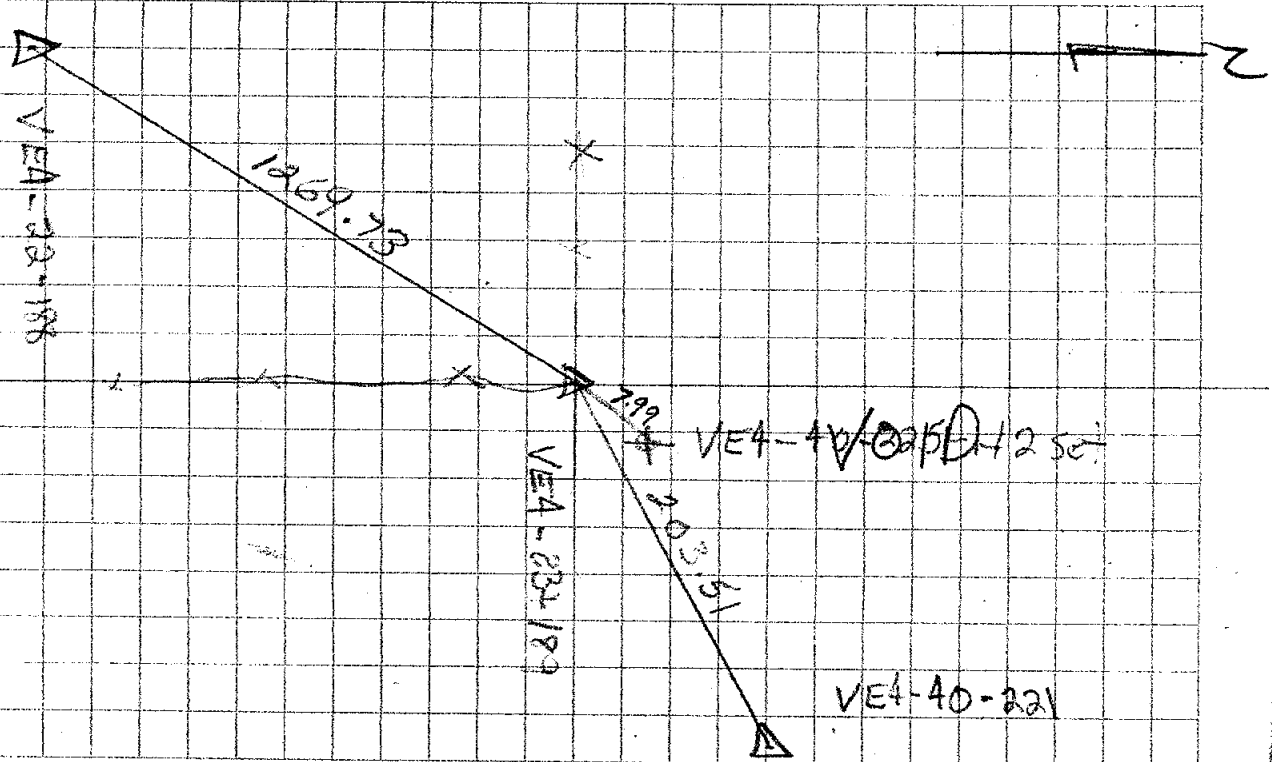
00-00-00

203.510

FS

351-15-30

7.29



VE4-41

5-30-07

D. Lohr - R. Nessel

X

VE4-40-221

BS

VE4-23-189

FS

VE4-41-222

BS

00-00-00

203.520

FS

200-22-35

288.845

FS

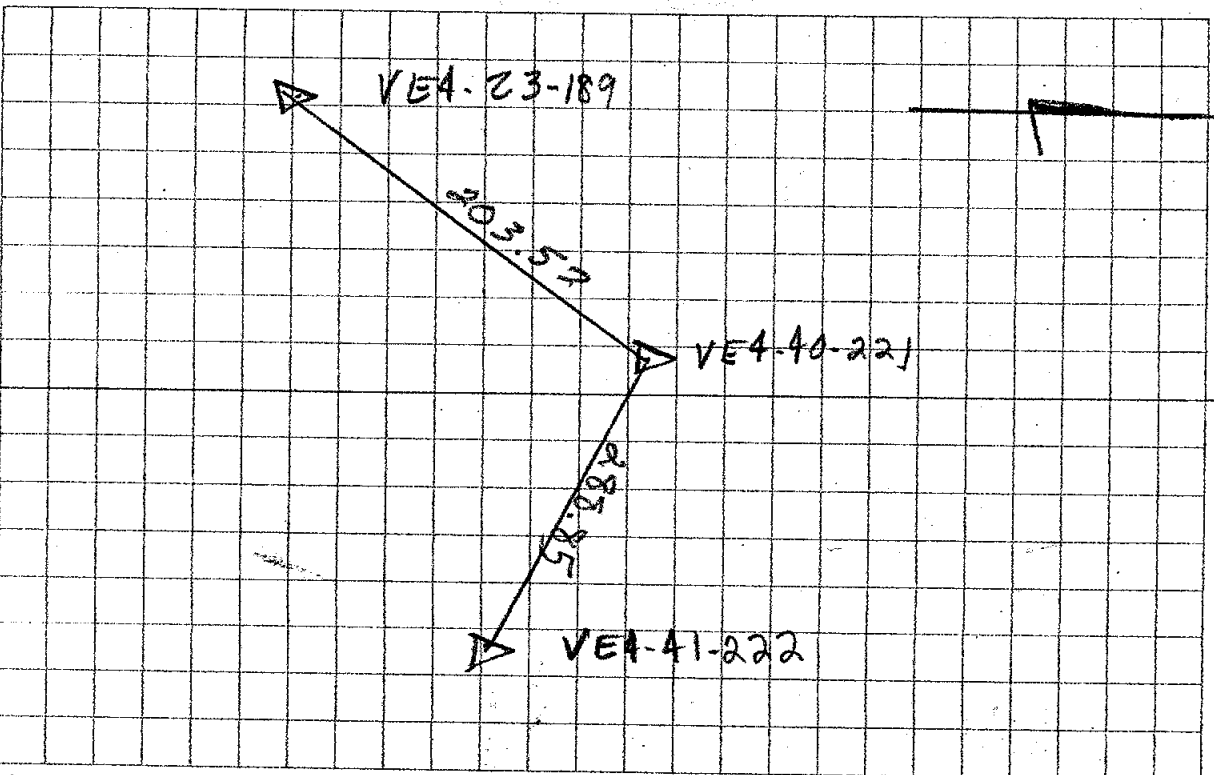
20-22-55

288.850

BS

180-00-20

203.515



VE4-42

5-30-07

D. Lohr - R. Nessel

X

VE4 - 41-222

BS

VE4 - 40-221

FS

VE4 - 42-223

BS

00-00-00

288.845

FS

199-36-45

150.365

FS

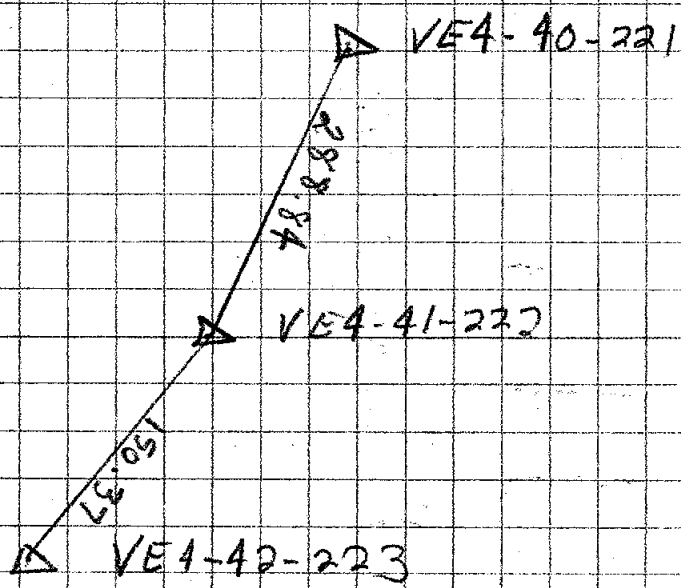
19-37-00

150.375

BS

180-00-15

288.840



VE4-43

5-30-07

D. Lohr-R. Habel

X

VE4-42-223

BS

VE4-41-222

F5

VE4-43-224

BS

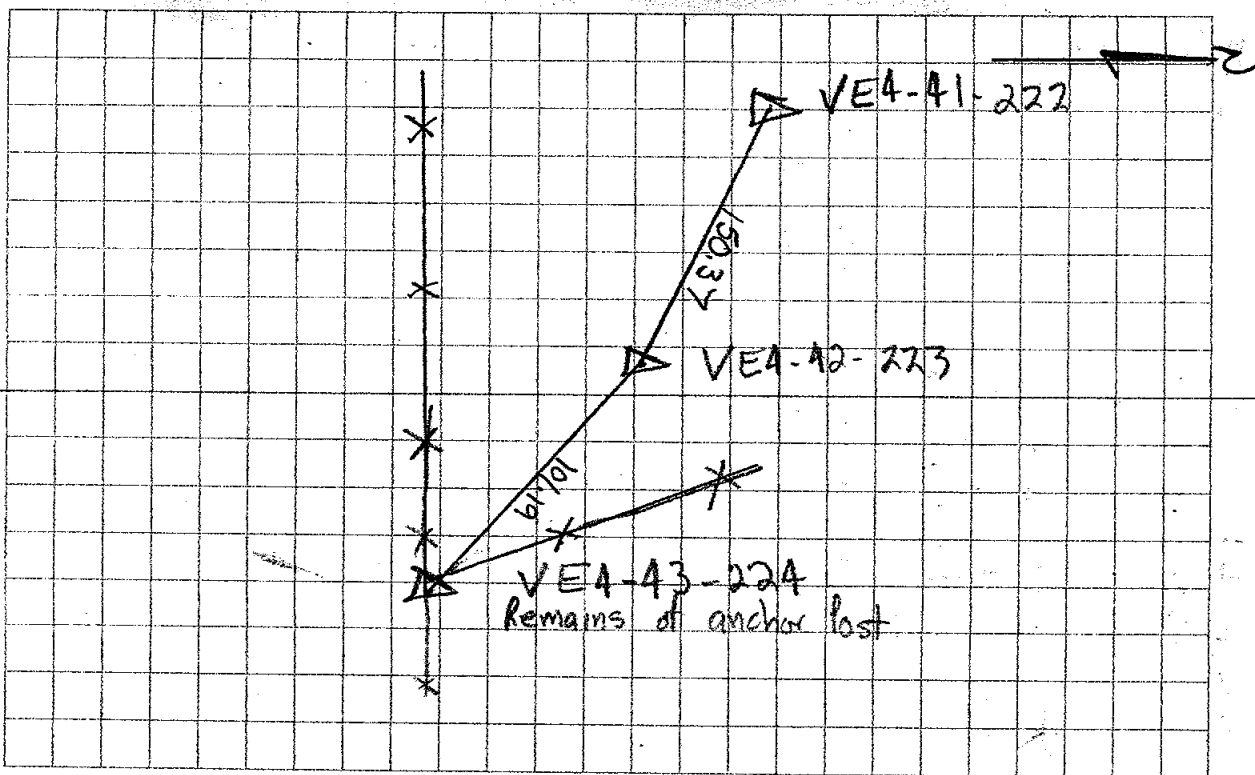
00-00-00

150.370

F5

176-17-20

101.190



VE4-44
8-03-07 D.Lohr

X VE4-23-189 Steadmans

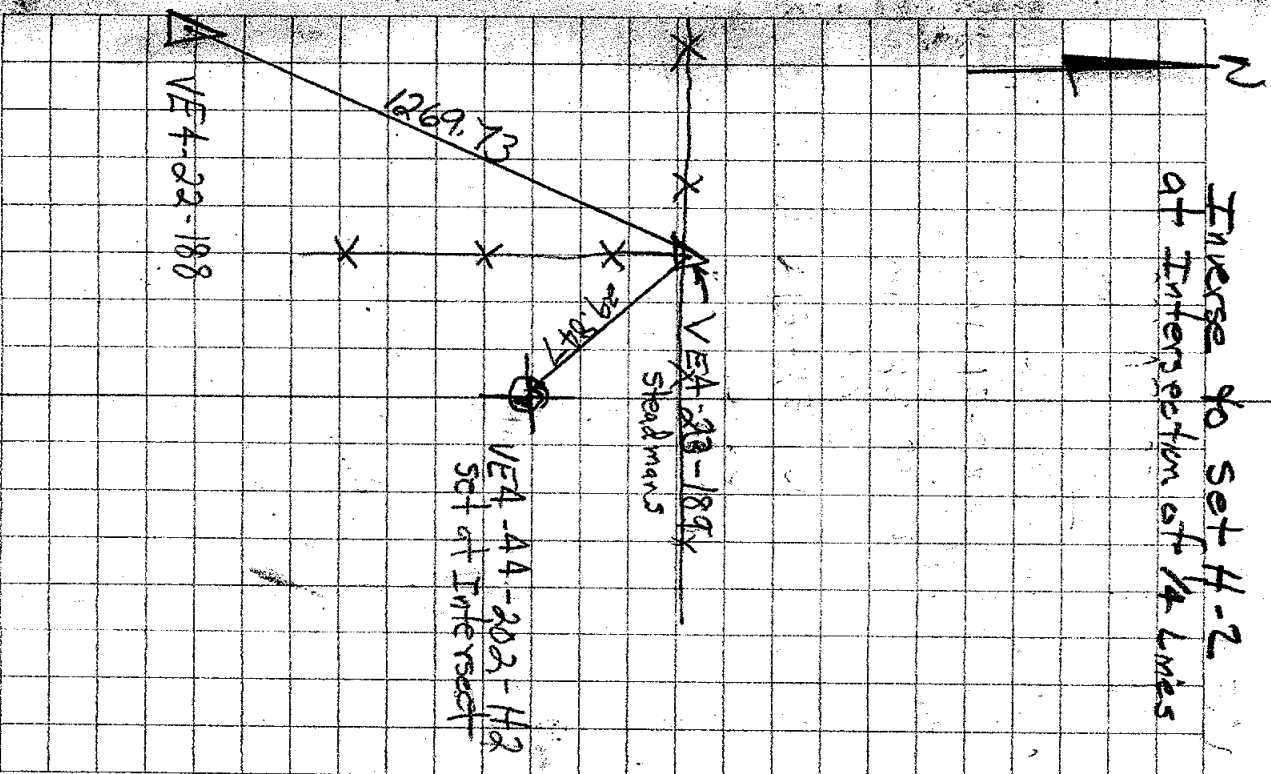
BS VE4-22-188

FS VE4-44-202-H2 set at Intersection

BS 00-00-00 1269.685

FS 291-43-20 29.847

Inverse to set H-2
at Intersection of 4 lines



VE 4-A.5

H-2: 8-3-07 D. Lohr

Reset standard B&C at intersection of 4 Lines. Corner falls 17.5' East of 27.7' south of Steadman's pipe at Fence corner with fences E.W.

Also see pg. 6 for more details

- 1 Set Mag & Tag S/S 9" maple
N 10° W 25.18
- 2 Set Mag & Tag S/S 11" oak
N 05° E 10.61
- 3 Set Mag & Tag S/S 10" maple
N 53° W 43.63
- 4 Set Mag & Tag E/S 8" oak
N 38° W 38.88
- 5 Set Mag & Tag SE/S 7" maple
N 85° E 40.66
- 6 3/4" pipe at Fence corner Steadman
N 36° W 29.85

