T143N R26W Book 4

T143N R26W

Traverse

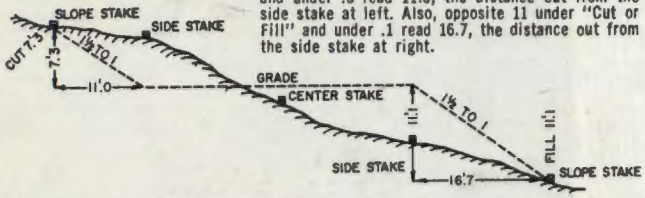
FIELD BOOK

Book 4

DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING

Roadway of any Width. Side Slopes 1½ to 1.

In the figure below: opposite 7 under "Cut or Fill" and under .3 read 11.0, the distance out from the side stake at left. Also, opposite 11 under "Cut or Fill" and under .1 read 16.7, the distance out from the side stake at right.



Cut or Fill	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	Cut or Fill
	Distance out from Side or Shoulder Stake										
0	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	0
1	1.5	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.9	1
2	3.0	3.2	3.3	3.5	3.6	3.8	3.9	4.1	4.2	4.4	2
3	4.5	4.7	4.8	5.0	5.1	5.3	5.4	5.6	5.7	5.9	3
4	6.0	6.2	6.3	6.5	6.6	6.8	6.9	7.1	7.2	7.4	4
5	7.5	7.7	7.8	8.0	8.1	8.3	8.4	8.6	8.7	8.9	5
6	9.0	9.2	9.3	9.5	9.6	9.8	9.9	10.1	10.2	10.4	6
7	10.5	10.7	10.8	11.0	11.1	11.3	11.4	11.6	11.7	11.9	7
8	12.0	12.2	12.3	12.5	12.6	12.8	12.9	13.1	13.2	13.4	8
9	13.5	13.7	13.8	14.0	14.1	14.3	14.4	14.6	14.7	14.9	9
10	15.0	15.2	15.3	15.5	15.6	15.8	15.9	16.1	16.2	16.4	10
11	16.5	16.7	16.8	17.0	17.1	17.3	17.4	17.6	17.7	17.9	11
12	18.0	18.2	18.3	18.5	18.6	18.8	18.9	19.1	19.2	19.4	12
13	19.5	19.7	19.8	20.0	20.1	20.3	20.4	20.6	20.7	20.9	13
14	21.0	21.2	21.3	21.5	21.6	21.8	21.9	22.1	22.2	22.4	14
15	22.5	22.7	22.8	23.0	23.1.	23.3	23.4	23.6	23.7	23.9	15
16	24.0	24.2	24.3	24.5	24.6	24.8	24.9	25.1	25.2	25.4	16
17	25.5	25.7	25.8	26.0	26.1	26.3	26.4	26.6	26.7	26.9	17
18	27.0	27.2	27.3	27.5	27.6	27.8	27.9	28.1	28.2	28.4	18
19	28.5	28.7	28.8	29.0	29.1	29.3	29.4	29.6	29.7	29.9	19
20	30.0	30.2	30.3	30.5	30.6	30.8	30.9	31.1	31.2	31.4	20
21	31.5	31.7	31.8	32.0	32.1	32.3	32.4	32.6	32.7	32.9	21
22	33.0	33.2	33.3	33.5	33.6	33.8	33.9	34.1	34.2	34.4	22
23	34.5	34.7	34.8	35.0	35.1	35.3	35.4	35.6	35.7	35.9	23
24	36.0	36.2	36.3	36.5	36.6	36.8	36.9	37.1	37.2	37.4	24
25	37.5	37.7	37.8	38.0	38.1	38.3	38.4	38.6	38.7	38.9	25
26	39.0	39.2	39.3	39.5	39.6	39.8	39.9	40.1	40.2	40.4	26
27	40.5	40.7	40.8	41.0	41.1	41.3	41.4	41.6	41.7	41.9	27
28	42.0	42.2	42.3	42.5	42.6	42.8	42.9	43.1	43.2	43.4	28
29	43.5	43.7	43.8	44.0	44.1	44.3	44.4	44.6	44.7	44.9	29
30	45.0	45.2	45.3	45.5	45.6	45.8	45.9	46.1	46.2	46.4	30
31	46.5	46.7	46.8	47.0	47.1	47.3	47.4	47.6	47.7	47.9	31
32	48.0	48.2	48.3	48.5	48.6	48.8	48.9	49.1	49.2	49.4	32
33	49.5	49.7	49.8	50.0	50.1	50.3	50.4	50.6	50.7	50.9	33
34	51.0	51.2	51.3	51.5	51.6	51.8	51.9	52.1	52.2	52.4	34
35	52.5	52.7	52.8	53.0	53.1	53.3	53.4	53.6	53.7	53.9	35
36	54.0	54.2	54.3	54.5	54.6	54.8	54.9	55.1	55.2	55.4	36
37	55.5	55.7	55.8	56.0	56.1	56.3	56.4	56.6	56.7	56.9	37
38	57.0	57.2	57.3	57.5	57.6	57.8	57.9	58.1	58.2	58.4	38
39	58.5	58.7	58.8	59.0	59.1	59.3	59.4	59.6	59.7	59.9	39
40	60.0	60.2	60.3	60.5	60.6	60.8	60.9	61.1	61.2	61.4	40

For Curve Tables see end of book.

Property of:
USDA Forest Service
Deer River Ranger Dist
Deer River, MN 56636

USFS, CASS COUNTY, MN

LAND CORNER MONUMENTS

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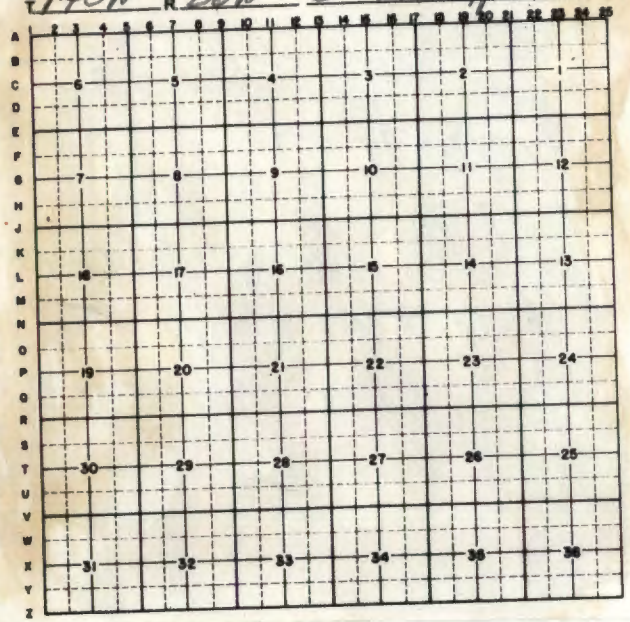
T. 143N R. 26W 5th Principal MER.

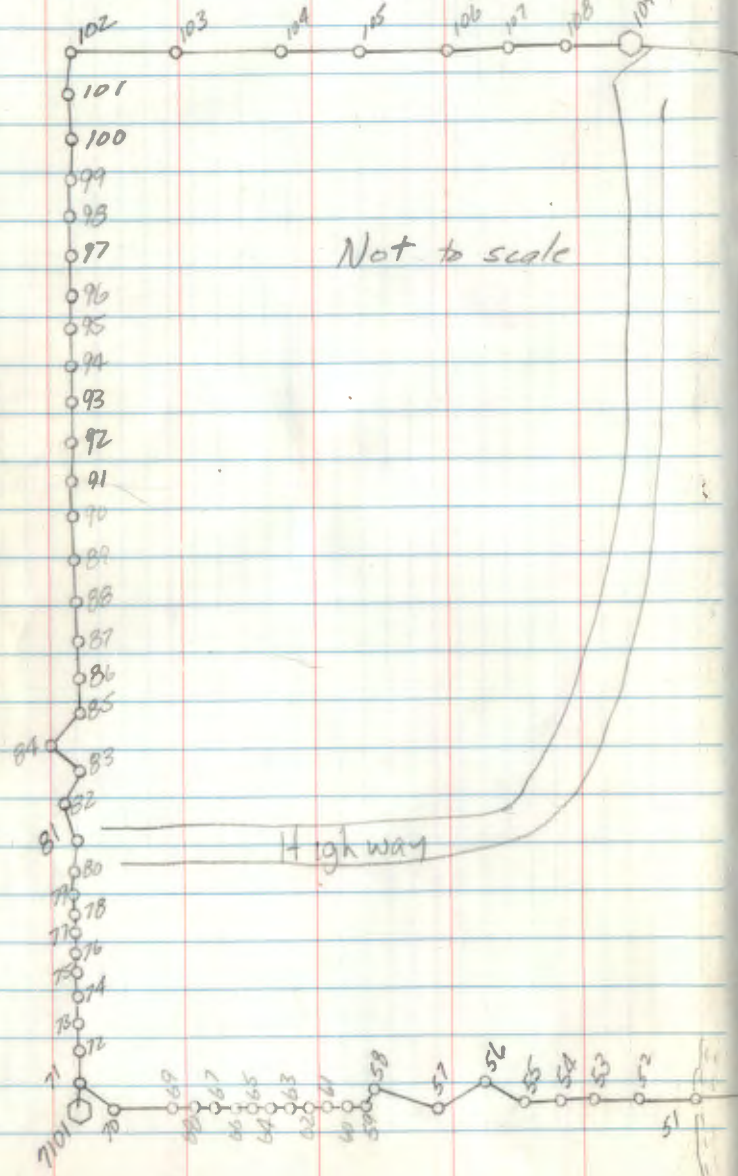


143-26 Book #4

INDEX

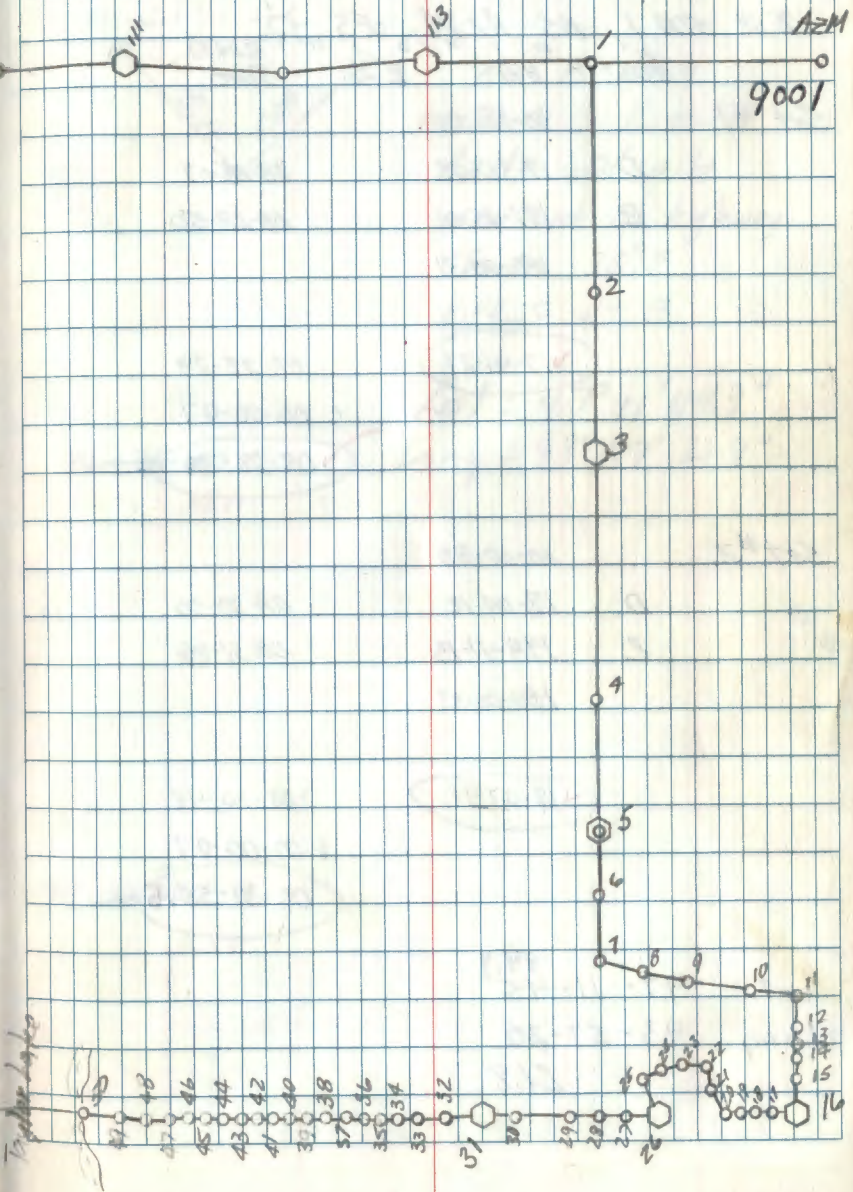
TRAVERSE

Main traverse for the SW part



SKETCH

of T143N R26W 5 P.M.



T143N R26W

Solar Observation

T @ STA 1, BS AZM FS ☉ (EDST)

	Post	HA ° ' "	ZA ° ' "	Time
Set #1		00-00-33		
	D	17-36-45		08-28-07
	R	197-45-01		08-28-50
		180-00-31		
		17-40-21		08-28-29
				+ 00-00-07
				08-28-36
Set #2		00-00-30		
	D	18-04-12		08-30-50
	R	198-11-13		08-31-06
		180-00-33		
		18-07-11		08-30-48
				+ 00-00-07
				08-30-55.5

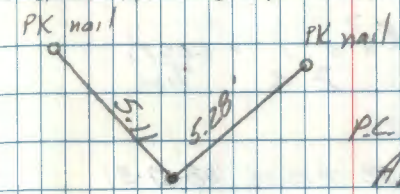
26.50 02.20

Lat. 47-11-~~45~~ 44.9

Long. 93-57-~~26~~ 21.8

Oct 16, 1985

Watch time is 7 seconds slow DUT1 = +0.5sec



T B. Musk

P.C. ⊞ @ G. Kosenko

AZM = 60d spike

south side of highway

Temp = 35°F

BPR = 29.8

Lat = 47° 11' 44.9"

Long = 93° 57' 21.8"

94-~~35~~ 10

07.11

94-~~35~~ 07

11.58

T143N R26W

Solar Observation

Cont'd from P.A. #3

Post	H ∡	Z ∡	(COST) Time
Set #3	00-00-28		
D	19-25-58	19-25-30	08-37-31
R	199-30-47	19-30-17	08-37-57
	180-00-30		
	19-27-54		8-37-44
			+ 0-00-07
			8-37-51.5
Set #4	00-00-30		
D	19-49-24	19-48-54	08-39-31
R	199-56-24	19-55-49	08-40-08
	00-00-35		
	19-52-22		8-39-50
			+ 0-00-07
			8-39-57

Avg Az = 94-~~35-06~~ 34-19

Brg 1-AzM = S85-~~24-52~~ 25-41 E

~~94-35-03~~

07.87

94-~~35~~-10

33-41.00

T43N R26W

Tieing into Solar Observation

STA	1st H&D	2nd H&R	3rd H&D	4th H&R
	H&			
FS 2	84-00-44	264-00-43	84-00-47	264-00-40
BS AZM	00-00-22	180-00-18	00-00-21	180-00-19
∠ @ 1	84-00-17	84-00-25	84-00-26	84-00-21

84-00-22.25

Dist 1-AZM	89-20-39	270-39-13	89-20-43	1727.67 ft 1727.56
1 to Azm	89-20-54	270-39-16	89-20-49	526.591 m 526.557

FS 113	177-59-33	357-59-27 (15 ~~44~~)	177-59-27	357-59-17
BS AZM	0-00-22	179-59-53 (~~180-00-00~~)	0-00-13	179-59-58
∠ @ 1	177-59-11	177-59-34 (22 ~~29~~)	177-59-14	177-59-19

177°-59'-16.5"

Oct 21, 1985

Mild, Clear, Calm

PC ⊠ G. Kosenko

π ⊼ G. Robertson

⊙ B. Ausk

526.559 1727.55 ft

T143N R26W

Main traverse for SW part of 143-26

STA	1st HXD	2nd HXR	3rd HXD	4th HXR	HX
Dist 1-2	89-30-24	270-29-43	270-29-40	2978.15	2978.04
Dist 2-1	90-30-39	269-29-19	269-29-20	2978.16	2978.04
FS 3	180-45-10	00-45-01	180-45-11	00-45-05	
BS 1	00-00-13	180-00-06	00-00-17	180-00-07	
π @ 2	180-44-52	180-44-55	180-44-54	180-44-53	
		180-44-55	54.75		
Dist 2-3	89-57-50	270-02-35	270-02-35	2446.12	2446.12
Dist 3-2	90-03-42	269-51-24	269-56-21	2446.10	2446.10
FS 4	181-06-34	01-06-28	181-06-33	01-06-24	
BS 2	00-00-21	180-00-16	00-00-19	180-00-18	
π @ 3	181-06-13	181-06-12	181-06-14	181-06-06	
		181-06-11.25			
Dist 3-4	89-57-39	270-02-23	270-02-22	4856.29	4856.29
Dist 4-3	90-03-36	269-56-24	269-56-24	4856.29	4856.29

JHR 10/23/85

Oct 21, 1985

T-2 S/N 265184

Rod 1-A S/N 4863

Clear, mild, calm

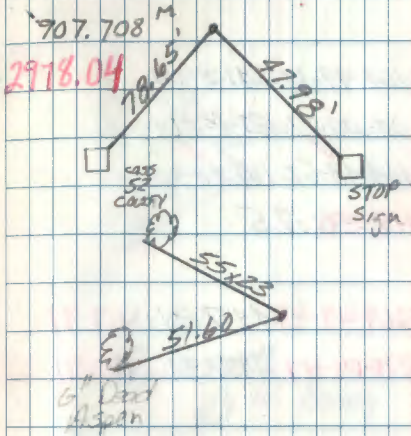
RC, ~~TT~~ G. Kosenko

π π G. Robertson

STA 1 = PK nail in road intersection @ B. Aosk

BPR = 29.8 SCF = 0

Temp = 45°F @ 8:30 AM



745.576 M

2446.11 ft

STA 2 = Wood spike East ditch of road

R-15

T. 143N. R. 26W.

1/4 S.22 / S.27 1985 R. 1 S. 141.7

STA 3 =

1480.200 M

4856.29 ft

Aluminum pipe w/Alum cap, 1 foot under road surface

T143N R26W

Traverse cont'd from pg. 6

STA	1st HXD	2nd HXR	3rd HXD	4th HXR
	HX			
FS 5	164-49-15	344-49-08	164-49-13	344-49-09
BS 3	00-00-24	180-00-20	00-00-21	180-00-19
ITD 4	164-48-51	164-48-48	164-48-52	164-48-50
	164-48-50.25			

Dist 4-5	90-10-21	269-49-46	269-49-43	417.91	417.91
Dist 5-4	89-55-15	270-04-48	270-04-47	417.91	417.91

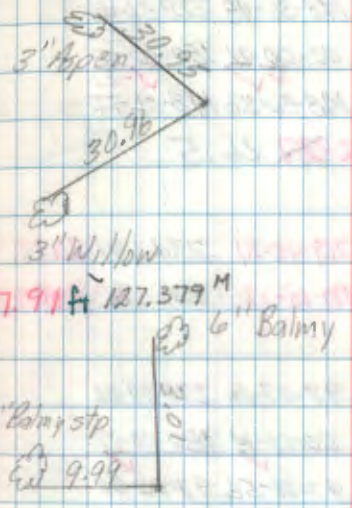
FS 6	222-19-20	42-19-14	222-19-17	42-19-14
BS 4	00-00-22	180-00-19	00-00-17	180-00-19
ITD 5	222-18-58	222-18-55	222-19-00	222-18-55
	222-18-57			

Dist 5-6	89-49-29	270-10-52	270-10-42	250.45	250.45
Dist 6-5	90-19-43	269-40-20	269-40-19	250.43	250.43

JDR 10/23/85

Oct 21, 1985

Top of Page NORTH



STA 4 = 5/8 rod spike east edge of road

STA 5 = 2½ inch O.D. Iron Pipe w/ Iron cap bent-up loosly in ground Possible 1/4 Corner

76.334 M
250.44 ft

T 143 N R 26 W

Traverse cont'd from pg 7

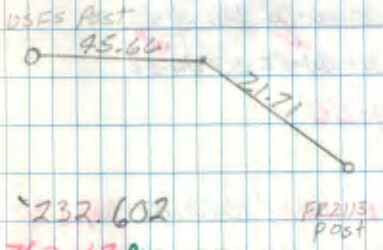
STA	1st H&D ° ' "	2nd H&R ° ' "	3rd H&D ° ' "	4th H&R ° ' "
	H&			
FS 7	148-36-49	328-36-47	148-36-48	328-36-~~40~~ 41
BS 5	00-00-20	180-00-17	00-00-22	180-00-~~22~~ 20
Π@6	148-36-29	148-36-~~30~~ 30	148-36-26	148-36-~~26~~ 21
	148-36-~~27~~ 26.5			
Dist 6-7	90-11-32	269-48-34	269-48-31	2347.91 2347.90
Dist 7-6	89-49-47	270-10-13	270-10-13	2347.93 2347.92
FS 8	97-07-14	277-07-04	97-07-06	277-07-02
BS 6	00-00-~~27~~ 15	180-00-13	00-00-14	180-00-12
Π@7	97-06-59	97-06-51	97-06-52	97-06-50
	97-06-53			
Dist 7-8	88-16-32	271-43-39	271-43-34	763.48 763.13
Dist 8-7	91-44-33	268-13-28	268-13-28	763.49 763.12

✓ DR 10/24/85

Oct 21, 1985

STA 6 = 60d spike
west edge of road

715.644 m
2347.91 ft



STA 7 = 60d spike
in rock ½ of FR 2113

232.602
763.13 ft

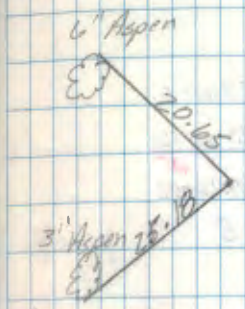
T143N R26W

Traverse cont'd from pg 8

STA	1st H&D ° ' "	2nd H&R ° ' "	3rd H&D ° ' "	4th H&R ° ' "
	H4			
FS 9	181-15-54	01-15-50	181-15-54	01-15-52
BS 7	00-00-20	180-00-15	00-00-18	180-00-15
Π @ 8	181-15-34	181-15-35	181-15-36	181-15-37
	181-15-35.5			
Dist 8-9	91-56-06	268-04-09	268-03-59	388.20	387.98
Dist 9-8	88-09-53	271-50-13	271-50-10	388.16	387.97
FS 10	213-45-18	33-45-08	213-45-16	33-45-14
BS 8	00-00-20	180-00-20	00-00-24	180-00-22
Π @ 9	213-44-48	213-44-48	213-44-52	213-44-52
	213-44-50			
Dist 9-10	89-28-48	270-31-29	270-31-21	1040.07	1040.03
Dist 10-9	90-33-37	269-26-31	269-26-27	1040.10	1040.05

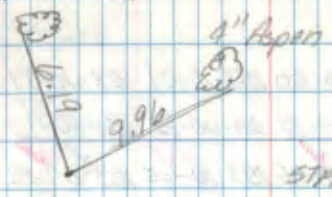
JYR 10/25/85

Oct 21, 1995



STA 8 = 60d spike
North side of FR 2113

118.255 m
387.97 A 4" W. Oak



STA 9 = 60d spike

317.005 m
1040.04 ft

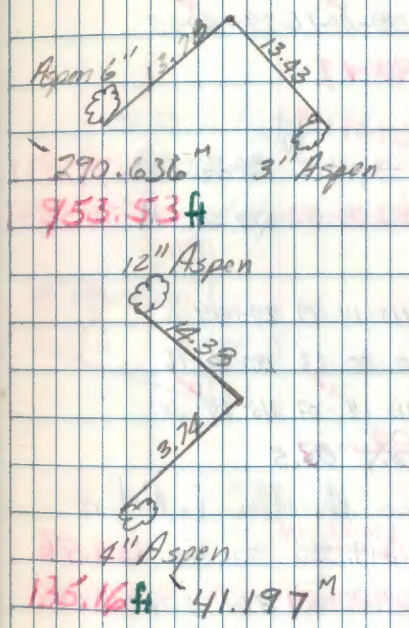
T143N R26W

Traverse cont'd from pg 9

STA	1st H&D	2nd H&R	3rd H&D	4th H&R
	H&D			
FS 11	179-02-20	359-02-09	179-02-07	359-02-07
BS 9	00-00-15	180-00-10	00-00-10	180-00-05
Π@10	179-02-05	179-01-59	179-01-57	179-02-02
			179-02-~~04~~ 00.75	
Dist 10-11	90-00-08	269-59-56	269-59-54	953.53 953.53
Dist 11-10	90-02-26	269-57-39	269-57-37	953.53 953.53
FS 12	183-10-25	03-10-20	183-10-21	03-10-17
BS 10	00-00-20	180-00-14	00-00-16	180-00-18
Π@11	183-10-05	183-10-06	183-10-05	183-09-59
			183-10-~~04~~ 03.75	
Dist 11-12	93-12-15	266-47-28	266-47-37	135.37 135.16
Dist 12-11	87-04-06	272-55-56	272-55-55	135.33 135.15

✓ ZR 10/25/85

Oct 21, 1985



T143N R26W

Traverse cont'd from pg. 10

STA	1st H&D	2nd H&R	3rd H&D	4th H&R
		H2		
FS 13	290-40-~~37~~ 37	110-40-33	290-40-33	110-40-38
BS 11	00-00-~~38~~ 20	180-00-16	00-00-17	180-00-20
π@12	290-40-~~16~~ 17	290-40-17	290-40-16	290-40-18
	290-40-17			
Dist 12-13	92-50-20	267-09-58	~~77.612~~ 267-09-49 Meters	261.25 ft 79.531
Dist 13-12	87-18-13	272-41-52	272-41-50	77.612 M. 79.524
FS 14	113-14-18	293-14-10	113-14-19	293-14-16
BS 12	00-00-11	180-00-10	0-00-12	180-00-16
π@13	113-14-07	113-14-00	113-14-07	113-14-00
	113-14-~~03.5~~ 03.5			

All distances ~~Hereafter~~ in Meters

Dist 13-14	89-57-10	270-02-58	~~314.586~~ 270-02-54	314.586	314.586
Dist 14-13	90-05-11	269-54-59	269-54-54	314.604	314.604

JAR 10/25/85

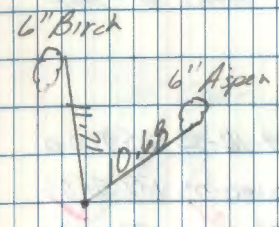
Oct 21, 1985

~~29.25 in Hg 55°F~~

~~Kosenko P.C.~~

~~Robertson π π~~

~~Whitehorn φ~~



STA 12 = 60d spike

29.25 in Hg 55°F

260.91 ft

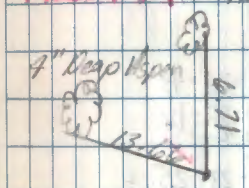
79.527 M 2" Aspen (cut a PC)

Oct 23, 1985

Kosenko P.C.

Robertson π π

Whitehorn φ



Couldn't put any sta mark here because of a log (edge of swamp)

314.595 M 1032.13 ft

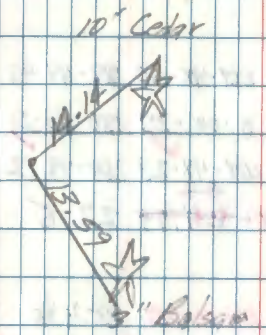
T143N R26W

Traverse cont'd from pg 11

STA	1st HAD	2nd HAR	3rd HAD	4th HAR
		HA		
FS 15	179-10-26	359-10-~~18~~ 09	179-10-14	359-10-06
BS 13	00-00-~~24~~ 17	179-59-~~58~~ 58	00-00-03	179-59-56
TO 14	179-10-09	179-10-~~12~~ 11	179-10-11	179-10-10
	179-10-10.25			
Dist 14-15	81-04-02	278-56-01	~~80.289~~ 278-56-00	80.260	79.287
Dist 15-14	99-04-20	260-55-44	260-55-42	80.289	79.285
FS 16	186-23-45	06-23-38	186-23-45	06-23-48
BS 14	0-00-24	180-00-20	0-00-25	~~00-00-2~~ 180-00-18
TO 15	186-23-21	186-23-18	186-23-20	186-23-25
	186-23-21			
Dist 15-16	88-11-22	271-48-27	271-48-33	47.517	47.493
Dist 16-15	92-03-10	267-57-41	267-57-01	47.515	47.485

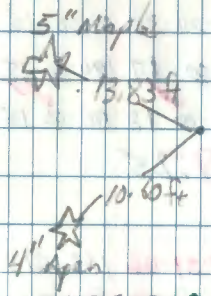
JER 10/25/85

Oct 23, 1985



STA 14 = bad spike
edge of swamp

79.286 260.12 ft



STA 15 = bad spike

47.489 155.80 ft

T143N R26W

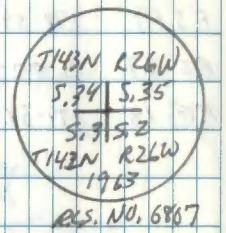
Traverse cont'd from pg 12

STA	1st H&D	2nd H&R	3rd H&D	4th H&R	
	H&D				
FS 17	268-48-46	88-48-42	268-48-50	88-48-43	
BS 15	0-00-19	180-00-24	0-00-27	180-00-21	
∠@ 16	268-48-27	268-48-18	268-48-23	268-48-22	
		268-48-~~24.75~~ 22.5			
Dist 16-17	89-59-36	270-00-35	270-00-30	75.435	75.435
Dist 17-16	90-09-13	269-50-36	269-50-42	75.441	75.441
FS 15	180-00-40	0-00-35	180-00-36	0-00-30	
BS 16	0-00-19	180-00-12	0-00-17	180-00-15	
∠@ 17	180-00-21	180-00-23	180-00-18	180-00-15	
		180-00-19.25			
17 to 18	92-02-55	267-57-07	267-57-06	112.613	112.541
18 to 17	88-03-20	271-56-51	271-56-46	112.606	112.541
	SIDESHOT				
FS 9017	174-01-30	354-02-01			
BS 16	0-00-17	180-00-15			
∠@ 17	174-01-13	174-01-46			
		174-01-30			
16 to 9017	120-49-45				12.78 ft

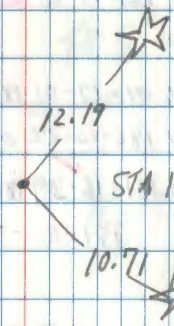
J.R. 10/25/85

Oct 23, 1985

STA 16 =



75.438 247.50 ft



112.541 369.23 ft

Find Milo's Traverse nail in base of Stump
STA 9017 = Milo's Traverse STA # 1 (See pg 1 of Tidd Lake Traverse Book)

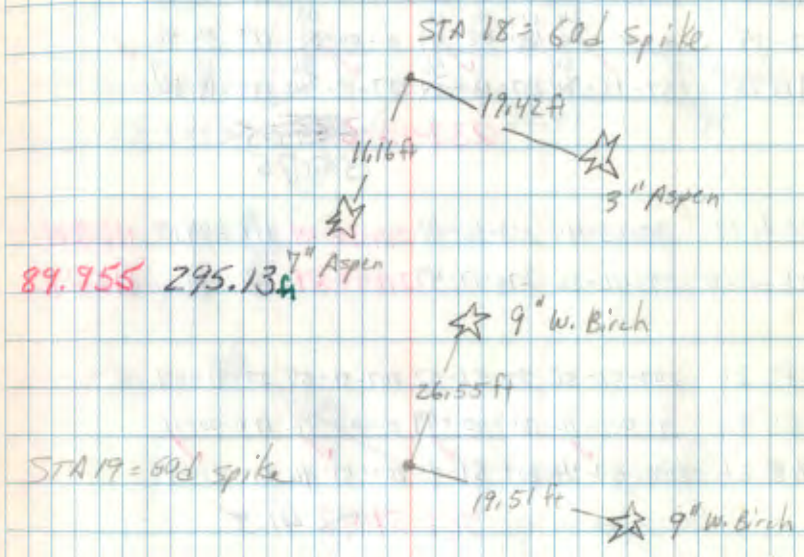
T143N R26W

Traverse cont'd from pg 13

STA	1st H&D	2nd H&R	3rd H&D	4th H&R
	H&			
FS 19	178-59-16	358-59-09	178-59-17	358-59-14
BS 17	0-00-20	180-00-17	0-00-18	180-00-18
π@ 18	178-58-56	178-58-52	178-58-59	178-58-56
	178-58-~~54~~ 55.75			
18 to 19	89-22-01	270-38-00	270-38-00	89.965
19 to 18	90-45-30	269-14-28	269-14-29	89.957
FS 20	181-17-05	01-17-01	181-17-02	01-16-59
BS 18	0-00-24	180-00-22	0-00-22	180-00-19
π@ 19	181-16-41	181-16-39	181-16-40	181-16-38
	181-16-~~40~~ 39.5			
19 to 20	90-27-49	269-32-07	269-32-09	99.157
20 to 19	89-39-04	270-21-03	270-21-00	99.162

JDH 11/25/85

Oct 23, 1983



89.955 295.13 ft

99.157 325.32 ft

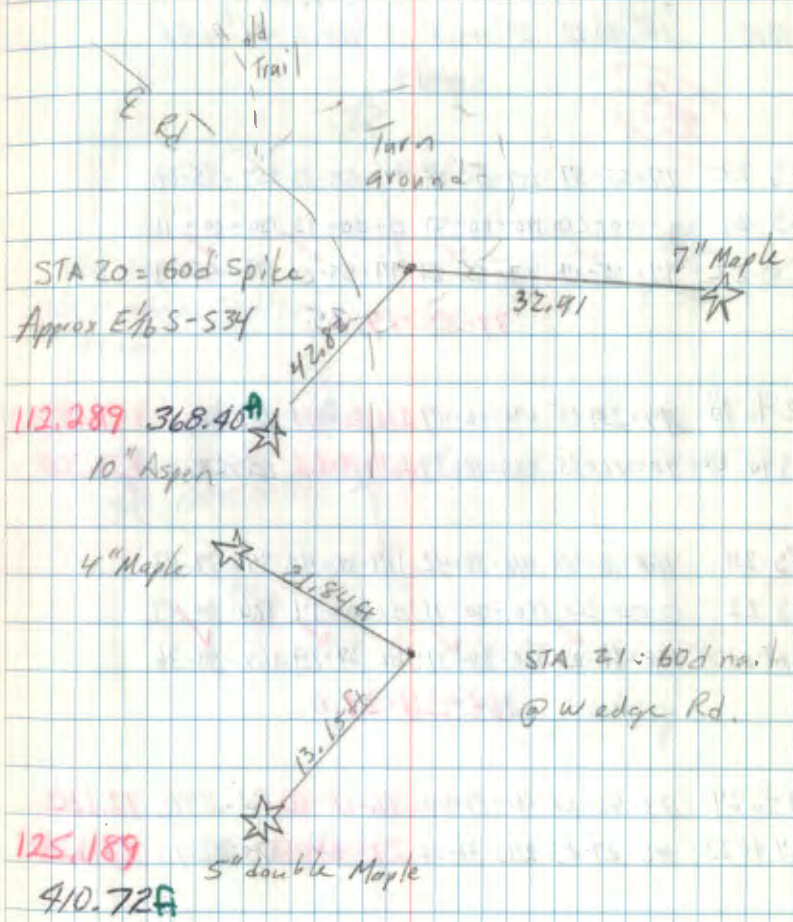
T143N R26W

Traverse Cont from pp 14

STA	1st HAD	2nd HAR	3rd HAD	4th HAR
				HS
FS 21	237-14-~~24~~ 18	57-13-~~58~~ 17	237-13-~~14~~ 13 59	57-13-~~49~~ 39
BS 19	0-00-~~26~~ 24	180-59-~~01~~ 21	0-00-~~01~~ 03	179-59-42
AB 20	237-13-~~14~~ 54	237-13-~~57~~ 56	237-13-~~40~~ 56	237-13-~~14~~ 13-57 ~~56~~
			237-13-~~[illegible]~~ FS	
			55.75	
20 to 21	90-23-44	269-36-14	269-36-15	112.291	112.288
21 to 20	89-42-26	270-17-47	270-17-41	112.291	112.290
FS 22	207-51-56	27-51-52	207-51-54	27-51-47	
BS 20	0-00-16	180-00-09	0-00-08	180-00-10	
AB 21	207-51-40	207 51-43	207-51-46	207-51-37	
			207-51-~~42~~ 41.5		
21 to 22	92-33-20	267-26-39	267-26-40	125.317	125.192
22 to 21	87-32-18	272-27-46	272-27-44	125.302	125.186

JDR 10/25/85

Oct 23, 1985



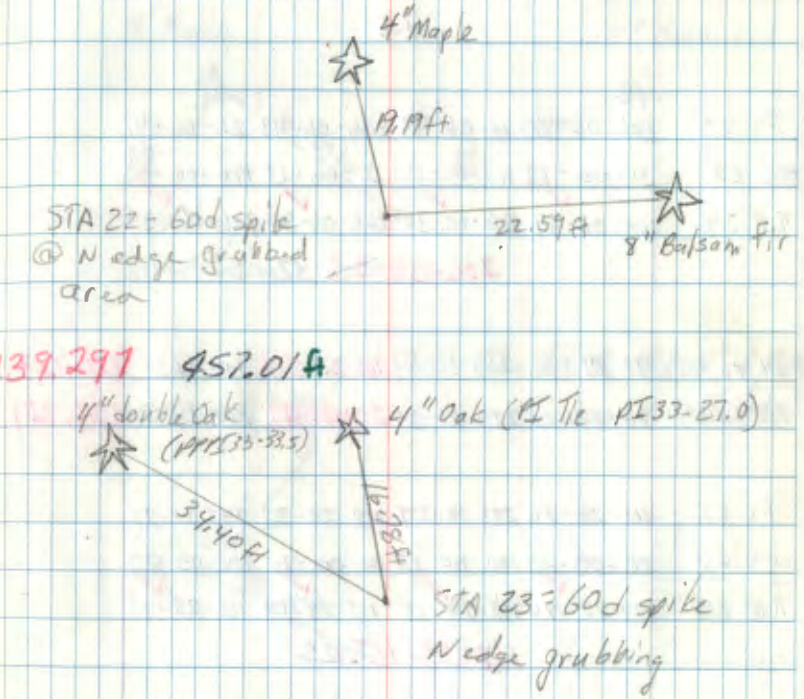
T143N R26W

Traverse Cont From pp 15

STA	1st HOD	2nd HOR	3rd HOD	4th HOR
	HT:			
FS 22	77-55-37	257-55-28	77-55-33	257-55-28
BS 21	0-00-20	180-00-07	0-00-13	180-00-11
∠ @ 22	77-55-17	77-55-21	77-55-20	77-55-19
	77-55-19.25			
22 to 23	89-23-25	270-36-47	270-36-41	139.301	139.293
23 to 22	90-41-33	269-18-37	269-18-32	139.310	139.300
FS 24	168-38-48	348-38-42	168-38-43	348-38-43
BS 22	0-00-20	180-00-11	0-00-14	180-00-07
∠ @ 23	168-38-28	168-38-31	168-38-29	168-38-36
	168-38-31.0			
23 to 24	93-42-21	266-17-40	266-18-40	72.280	72.130
24 to 23	86-27-03	273-33-02	273-33-00	72.267	72.128

JERK 10/25/85

Oct 23, 1985



72.129 236.64 ft

T143 N R26W

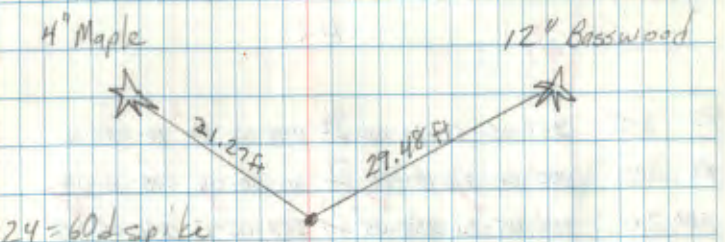
TRAVERSE CONT FROM pp 16

STA	1st HAD	2nd HAR	3rd HAD	4th HAR
	H4			
FS 25	206-06-48	26-06-43	206-06-43	26-06-42
BS 23	0-00-17	180-00-11	0-00-13	180-00-~~00~~ 05
TB 24	206-06-31	206-06-32	206-06-30	206-06-37
	206-06-~~33~~ 32.5			
24 to 25	93-~~27~~-06	266-32-54	266-32-54	129.162
25 to 24	86-38-15	273-21-39	273-21-42	129.143
FS 26	112-28-36	292-28-27	112-28-32	292-28-22
BS 24	00-00-20	180-00-12	00-00-15	180-00-07
TB 25	112-28-16	112-28-15	112-28-17	112-28-13
	112-28-15.25			
25 to 26	89-00-50	270-59-05	270-59-08	50.275
26 to 25	91-12-31	268-47-43	268-47-36	50.305

128.928
128.921
50.288
50.294

J 24 kps/85

Oct 23, 1985



STA 24 = 60d spike
in grubbed area

Oct 23, 1985 (PM)
Kosen to left.

128.924 422.98ft

STA 25 = 60d spike
in Power Line Clearing

50.291 165.00ft

T143N R26W

Traverse Cont'd from Pg 17

STA	1st H&D	2nd H&R	3rd H&D	4th H&R	
		H&			
FS 25 (27?)	358-05-54	78-05-~~23~~ 46	258-05-51	78-05-46	
BS 24	00-00-20	180-00-~~06~~ 09	00-00-08	180-00-09	
Ⓐ 26	258-05-36	258-05-47 -37	258-05-43	258-05-37	
	258-05-38.25				
26 to 27	87-50-38	272-09-21	279-09-22	239.681	239.511
27 to 26	92-12-26	267-47-41	267-47-38	239.685	239.507
FS 28	175-40-54	355-40-44	175-40-45	355-40-43	
BS 26	00-00-20	180-00-17	00-00-18	180-00-09	
Ⓐ 27	175-40-34	175-40-27	175-40-27	175-40-34	
	175-40-30.5				
27 to 28	94-06-27	265-53-44	265-53-39	146.096	145.721
28 to 27	85-58-26	274-01-37	274-01-36	146.077	145.716
= = = side shot = = =					
FS 9027	358-09-31	178-09-16			
BS 26	00-00-18	180-00-09			
Ⓐ 27	358-09-13	358-09-07			
	358-09-10				
Dist 27-9027	94-53-23	265-06-49	94-53-17	139.722	139.214

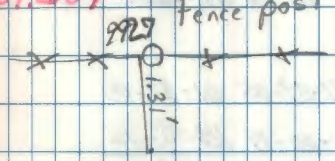
✓ 12/10/25 185

Oct 23, 1995

STA 26 = 0.11 ft (OD) IP for possible S¼ cor Sec 34 (~~Cuto Pipe~~)
IP set by H. Nilsson at Miles calculated position
Nilsson owns GL 3 52
T 142N R 26W

785.79 ft

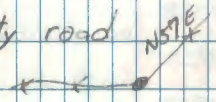
239.509



STA 27 = 60d spike near fence line

145.719 478.084 ft

STA 9027 = fence corner by county road



456.74 ft

T143N R26W

TRAVERSE CONT FROM PP 18

STA	1st Hz	2d Hz	3d Hz	4th Hz	
	MEAN Hz				
FS 29	175-48-~~42~~ 40	355-48-45	175-48-43	355-48-44	
BS 27	00-00-~~14~~ 11	180-00-10	00-00-11	180-00-09	
∠@ 28	175-48-~~26~~ 29	175-48-35	175-48-32	175-48-35	
	175-48-~~33~~ 32.75				
28 to 29	90-29-46	269-30-18	90-29-44	110.339	110.3349
29 to 28	89-~~36-17~~ 40-18	270-19-40	89-40-19	110.336	110.3341
FS 30	181-39-08	01-39-02	181-39-05	01-39-00	
BS 28	00-00-23	180-00-17	00-00-19	180-00-15	
∠@ 29	181-38-45	181-38-45	181-38-46	181-38-45	
	181-38-45.25				
29 to 30	87-23-10	272-36-51	87-23-09	207.559	207.343
30 to 29	92-40-16	267-19-37	92-40-20	207.566	207.340

SIDE SHOT TO LOCATE Fence Line

	Hz	V∠	S.D.	H.D.	
∠@ 28	BS 27	0-00-00			
Fence 9028	00-15-40	89-07-50	81.474 M	81.465	M 269.27 ft
Fence 9028	66-36-50	chained	26.36 ft	8.035	M
Fence 9028	168-55-00	92-29-00	40.102 M	40.064	M 131.57 ft

Oct. ~~23~~ 31, 1985

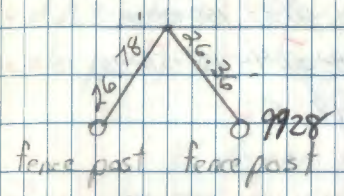
Cloudy, mild, calm

T-2 S/N 265185 PC G. Kosenko

Red 14 S/N 9863 ⊤ ⊤ G. Robertson

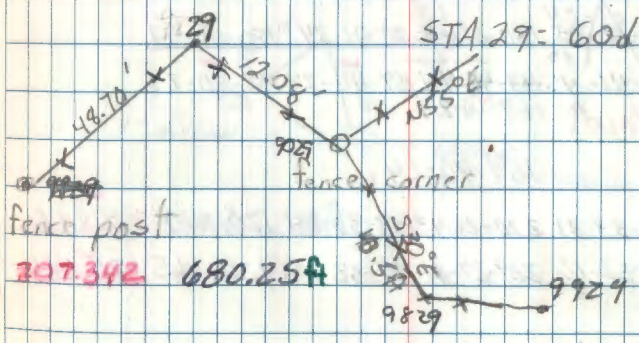
⊙ C. Hose

STA 28 = 60d spike in pasture



110.334 361.99 ft

STA 29 = 60d spike



207.342 680.25 ft

Side shots to locate fence line

	Hz	V∠	S.D.	H.D.	
∠@ 29	BS 28	00-00-00			
fence 9029	36-46-10	chained	12.08 ft	3.682	M
fence 9929	46-45-00	90-30-30	29.599 M	29.598 (97.11 ft)	M
fence 9829	62-52-30	89-45-20	16.359 M	16.359	M

53.67

T143N R26W

TRAVERSE CONT FROM PP 19

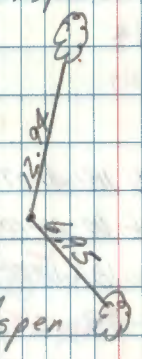
STA	1° Hz	2d Hz	3d Hz	4th Hz
		MEAN Hz		
FS 31	188-57-00	08-56-~~52~~ 48	188-56-57	08-56-50
BS 29	00-00-22	180-00-~~11~~ 05	00-00-13	180-00-05
∠@ 30	188-56-38	188-56-~~33~~ 43	188-56-44	188-56-45
		188-56-42.5		
30 to 31	91-16-19	268-43-44	91-16-17	107.078	107.052
31 to 30	88-49-50	271-10-14	88-49-48	107.071	107.049
FS 32	169-~~40~~ 41-~~08~~ 40	349-~~42~~ 41-~~11~~ 39	169-41-58	349-42-14
BS 30	00-~~00~~ 01-~~23~~ 24	180-01-~~29~~ 13	00-01-34	180-01-47
∠@ 31	169-41-45	~~169-40-44~~	169-40-24	169-40-27
	4 Vo, 10↑	169-40-21		
		169-40-24		
31 to 32	89-33-31	270-26-43	89-33-24	120.670	120.666
32 to 31	90-32-12	269-27-41	90-32-16	120.665	120.660

CK BA 11-13-85

Oct 31, 1985

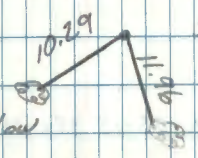
BPR = 29.5
Temp = 47°F
ELEV = 0

Reset M/b △10
PP4 of his notes
(see also pp 16)



STA 30 = bad spike

107.0~~50~~ 351.21A



STA 31 = 2" Iron Pipe with Cap

"swampy set up"

120.663 395.88A

T143N R26W

Traverse, Cont from pp20

STA	1st H ∡	2nd H ∡	3rd H ∡	4th H ∡	
		H ∡			
FS 33	181-49-20	01-49-06	181-49-07	01-49-04	
BS 31	00-00-20	180-00-06	00-00-10	180-00-06	
ΠB 32	181-49-00	181-49-00	181-48-57	181-48-58	
		181-49-58	58.75		
32 to 33	83-13-19	276-46-25	83-13-17	50.830	50.475
33 to 32	97-00-04	263-00-05	9700-00	50.852	50.473
FS 34	176-25-15	356-25-15	176-25-15	356-25-16	
BS 32	00-00-20	180-00-10	00-00-17	180-00-11	
ΠB 33	176-24-55	176-25-03	176-24-53	176-25-05	
		176-25-00	.25		
33 to 34	91-15-57	268-44-24	91-15-46	235.179	235.122
34 to 33	88-47-20	271-12-44	88-47-18	235.179	235.126

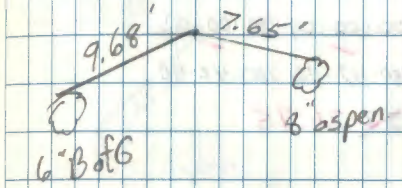
Side shot

FS 9032 CK BA 11-13-85

BS 31 0-0-00

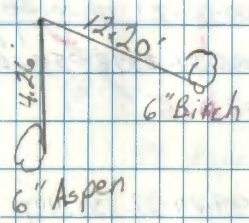
Π@32 25-30-00 Dist = 146.50A (chained)

Oct 31, 1985



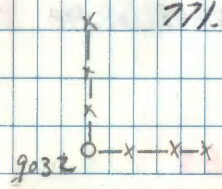
STA 32 = 60d spike

50.474 165.60A



STA 33 = 60d spike

235.124 771.40A



STA 9032 = fence corner

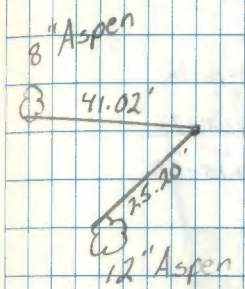
T143N R26W

TRAVERSE COUT FROM PP 21

STA	1st Hz / 1st V	2nd Hz / 2nd V	3rd Hz	4th Hz / slope Dist	Horiz Dist
		MEAN Hz			
FS 35	180-42-52	00-42-46	180-42-45	00-42-43	
BS 33	00-00-20	180-00-07	00-00-09	180-00-03	
Hz ∠ 34	180-42-32	180-42-39	180-42-36	180-42-40	
		180-42-~~37~~ 36.75			
34 to 35	86-08-15	273-51-50	86-08-13	84.020	83.829
35 to 34	94-00-15	266-00-07	94-00-04	84.026	83.821
FS 36	185-51-~~50~~ 51	05-51-45	185-51-44	05-51-~~43~~ ~~42~~	
BS 34	00-00-~~33~~ 29	180-00-24	00-00-21	180-00-~~28~~ 51	
Hz ∠ 35	185-51-~~27~~ 22	185-51-21	185-51-23	185-51-~~5~~ 16	
		185-51-20.5			
35 to 36	89-24-31	270-35-26	89-24-32	133.497	133.490
36 to 35	90-40-57	269-19-14	90-40-48	133.498	133.489

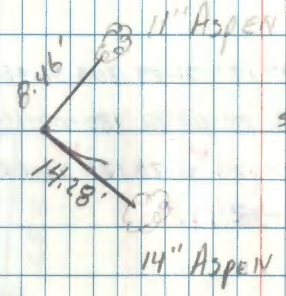
CK BA 11-13-85

Oct. 31, 1985



STA 34 = 60d spike

83.825 275.02 ft



sta 36 = 60 d spike

133.489 437.96 ft

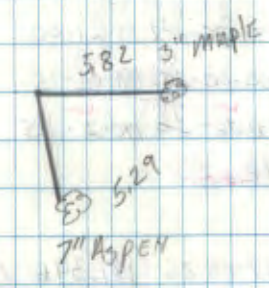
T143N R26W

TRAVERSE CONT FROM PP 22

STA	1st H ∡ / 1st V ∡	2d H ∡ / 2d V ∡	3d H ∡	4th H ∡ / slope Dist	Horiz Dist
	MEAN ∡				
FS 37	220-16-03	40-15-56	220-16-06	40-16-~~04~~ 04	
BS 35	00-00-20	180-00-21	00-00-24	180-00-26	
KB 36	220-15-43	220-15-35	220-15-42	220-15-38	
	220-15-~~40~~ 39.5				
36 to 37	90-27-38	269-32-45	90-27-27	72.558	72.556
37 to 36	89-42-06	270-17-51	89-42-08	72.564	72.563
FS 38	123-31-~~32~~ 31	303-31-29	123-31-29	303-31-32	
BS 36	00-00-~~22~~ 18	180-00-06	00-00-16	180-00-10	
KB 37	123-31-~~10~~ 13	123-31-23	123-31-13	123-31-22	
	123-31-~~18~~ 17.75				
37 to 38	92-32-56	267-27-22	92-32-47	139.083	138.946
38 to 37	87-32-22	272-~~44~~ 27-42	87-32-20	139.080	138.952

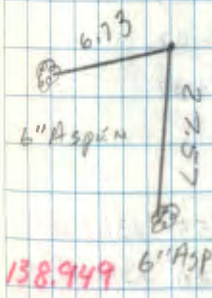
CK BA 11-13-85

Oct. 31, 1985



sta 36 = 60d spike

72.559 238.05A



sta 37 = 60d spike

138.949 455.87A

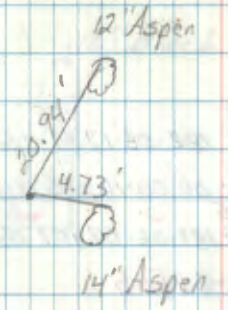
T143N R26W

TRAVERSE CONT FROM PP 23

STA	1st H4	2nd H4	3rd H4	4th H4
		MEAN H4		Slope Dist
FS 39	190-~~27~~-02 (26 55)	10-26-52	190-~~26~~-~~02~~ (27-02)	10-27-00
BS 37	00-00-~~25~~ (17)	180-00-10	00-00-~~26~~ (18)	180-00-15
TO 38	190-26-~~27~~ (38)	190-26-42	190-26-~~27~~ (44)	190-26-45
		190-26-42.25		
38 to 39	87-28-28	272-31-36	87-28-26	181.346	181.170
39 to 36	92-35-31	267-24-40	92-35-25	181.347	181.162
FS 40	181-36-~~51~~ (47)	01-36-47	181-36-48	01-36-44
BS 38	00-00-~~20~~ (09)	180-00-07	00-00-12	180-00-07
TO 39	181-36-~~31~~ (38)	181-36-40	181-36-36	181-36-37
		181-36-39.75		
39 to 40	88-34-39	271-25-28	88-34-36	131.155	131.115
40 to 39	91-30-59	268-29-59	91-30-30	131.160	131.115

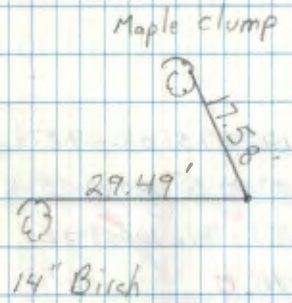
CK-BA 11-13-85

Oct. 31, 1985



STA 38 = 60d spike
Set 5½ S33 from this PT

181.166 594.38 A



STA 39 = 60d spike

131.115 430.17 A

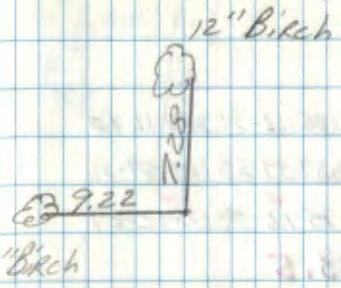
T143N R26W

TRAVERSE, CONT FROM PP 24

STA	1st H4 ° ' "	2d H4 ° ' "	3d H4 ° ' "	4th H4 ° ' "
	MEAN H4			
FS 41	182-06-27	02-06-~~20~~ 09	182-06-17	02-06-08
BS 39	00-00-18	180-00-~~05~~ 04	00-00-10	180-00-04
ΔB 40	182-06-09	182-06-~~15~~ 05	182-06-07	182-06-04
	182-06-06.25			
40 to 41	89-37-34	270-22-22	89-37-36	103.616 103.614
41 to 40	90-29-09	269-31-09	90-29-00	103.623 103.619
FS 42	183-59-~~36~~ 24	03-59-27	183-59-31	03-59-27
BS 40	00-00-19	180-00-10	00-00-15	180-00-05
ΔB 41	183-59-17	183-59-17	183-59-16	183-59-22
	183-59-18.0			
41 to 42	89-31-58	270-27-57	89-32-01	86.975 86.972
42 to 41	90-35-46	269-24-32	90-35-37	86.976 86.971

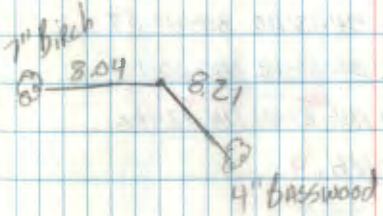
CK BA 11-13-85

Oct. 31, 1985



STA 40 = 60d spike

103.617 339.95 ft



STA 41 = 60d spike

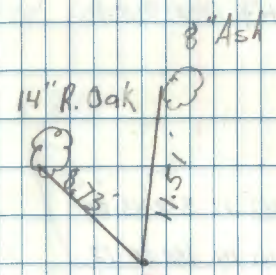
86.972 285.34 ft

T43N R26W

TRAVERSE CONT FROM PP 25

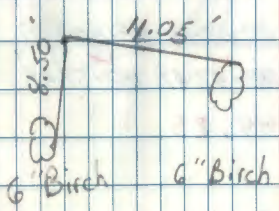
STA	1st H∡	2d H∡	3d H∡	4th H∡
	° ' "	° ' "	° ' "	° ' "
	MEAN H∡			
FS 43	175-12-47	355-12-29	175-12-31	355-12-23
BS 41	00-00-11	179-59-56	359-59-53	179-59-56
πB 42	175-12-36	175-12-33	175-12-38	175-12-27
	175-12-33.5			
42 to 43	83-45-25	276-14-46	83-45-19	65.375 64.987
43 to 42	96-25-15	263-34-56	96-25-10	65.388 64.978
FS 44	174-13-07	354-13-06	174-13-00	354-12-59
BS 42	00-00-20	180-00-16	00-00-19	180-00-13
πB 43	174-12-47	174-12-50	174-12-41	174-12-46
	174-12-46.0			
43 to 44	90-29-18	269-30-50	90-29-14	210.183 210.175
44 to 43	89-34-00	270-26-00	89-34-00	210.181 210.175

CK BA 11-13-85



STA 42 = 60d spike

64.983 213.20 ft



STA 43 = 60 d spike

210.175 689.55 ft

T143N R26W

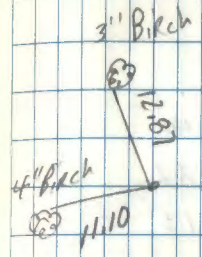
TRAVERSE CONT FROM PP 26

STA	1st HT	2d HT	3d HT	4th HT	HT
FS 45	178-43-20	358-43-12	178-43-11	358-43-09	
BS 43	00-00-23	180-00-11	00-00-14	180-00-12	
TG 44	178-42-57	178-43-01	178-42-57	178-42-57	
	178-42-58.0				
44 to 45	91-58-40	268-01-22	91-58-39	171.924	171.822
45 to 44	88-05-30	271-54-34	88-05-28	171.924	171.829
FS 46	183-53-03	03-52-55	183-52-58	03-52-55	
BS 44	00-00-23	180-00-11	00-00-16	180-00-07	
TG 45	183-52-40	183-52-47	183-52-42	183-52-48	
	183-52-44.25				
45 To 46	90-23-10	269-36-54	90-23-08	231.331	231.326
46 To 45	89-40-00	270-20-16	89-39-52	231.322	231.318

CK BA 11-13-85

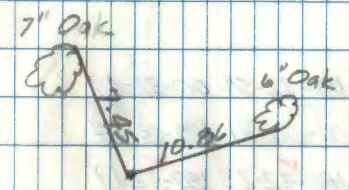
T-2 S/N 265185
Red 1A S/N 4863

Nov. 1 1985
SAME CREW
Cloudy Calm
PT B. Ausk PT G. Kosinko
Temp. = 45°F PT G. Robertson
BPR = 29.2
ECF = 0



5298.5

171.825 563.73 ft



STA 45 = 60d spike

231.322 758.93 ft

T143N R26W

Traverse Cont from pp 27

STA	1st H ∡ ° ' "	2d H ∡ ° ' "	3d H ∡ ° ' "	4th H ∡ ° ' "
	Mean H ∡			
FS 47	181-00-43	01-00-38	181-00-42	01-00-40
BS 45	00-00-31	180-00-28	00-00-33	180-00-27
∡ @ 46	181-00-12	181-00-10	181-00-09	181-00-13
	181-00-11.0			

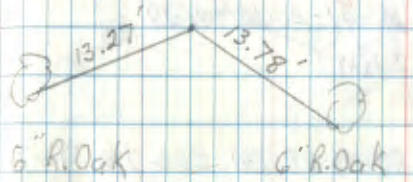
46 to 47	87-54-07	272-06-07	87-54-00	48.485	48.452
47 to 46	92-20-01	267-39-48	92-20-07	48.490	48.450

FS 48	180-32-54	00-32-48	180-32-54	00-32-49
BS 46	00-00-27	180-00-28	00-00-31	180-00-30
∡ @ 47	180-32-27	180-32-20	180-32-23	180-32-19
	180-32-22.25			

47 to 48	91-01-44	268-58-25	91-01-40	144.606	144.583
48 to 47	89-03-15	270-56-50	89-03-13	144.610	144.590

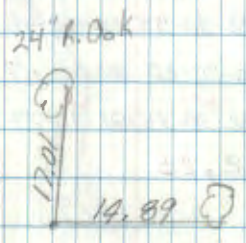
CK BA 11-14-85

Nov. 1, 1985



STA 46 = 60d spike on West edge river channel

48.451 158.96 A



STA 47 = 60d spike

144.587 474.37 A

T143N R26W

Traverse Cont'd from Pg 28

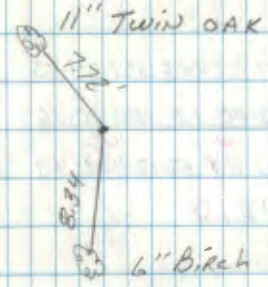
STA	1st HAD	2nd HAR	3rd HAD	4th HAR
			HA	
FS 49	181-41-36	01-41-26	181-41-23	01-41-19
BS 47	00-00-13	180-00-04	00-00-03	180-00-00
π @ 48	181-41-23	181-41-22	181-41-20	181-41-19
		181-41-21.0		
48 to 47	88-46-29	271-13-33	88-46-28	130.226	130.196
49 to 48	91-18-54	268-41-21	91-18-46	130.224	130.196
FS 50	182-30-57	02-30-48	182-30-55	02-30-46
BS 48	00-00-26	180-00-14	00-00-20	180-00-17
π @ 49	182-30-31	182-30-34	182-30-35	182-30-29
		182-30-32.25		
49 to 50	93-20-03	266-40-12	93-19-56	97.648	97.483
50 to 49	86-47-18	273-13-00	86-47-09	97.637	97.483

CK BA 11-14-85

Nov. 1, 1985

STA 48 = 60d spike
On trail between
Tamarack & Taylor
Lakes.

130.193 427.14 ft



STA 49 = 60 spike

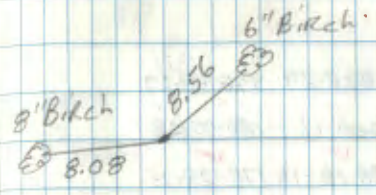
97.483 319.83 ft

T143 N R26 W

Traverse Cont'd from Pg 29

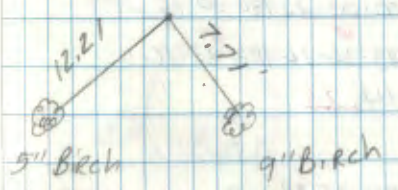
STA	1st H∡D	2nd H∡R	3rd H∡D	4th H∡R	
	H∡				
FS 51	178-53-20	358-53-12	178-53-20	358-53-20	
BS 49	00-00-07	179-59-57	00-00-05	180-00-01	
Π @ 50	178-53-13	178-53-15	178-53-15	178-53-19	
	178-53-15.5				
50 to 51	89-58-05	270-02-03	89-58-01	265.509	265.509
51 to 50	90-04-46	269-55-22	90-04-42	265.517	265.517
FS 52	177-24-07	357-24-01	177-24-08	357-24-05	
BS 50	00-00-20	180-00-15	00-00-16	180-00-16	
Π @ 51	177-23-47	177-23-46	177-23-50	177-23-49	
	177-23-48.0				
51 to 52	88-45-24	271-14-49	88-45-18	101.586	101.562
52 to 5	91-23-40	268-36-26	91-23-37	101.583	101.553

Nov. 1, 1985



Sta 50 = 60 d spike
East Side of
Taylor Lake

265.513 871.10 A



Sta 51 = 60 d spike
West side of
Taylor Lake

101.557 333.19 A

T143N R26W

Traverse Cont'd from pg. 30

STA		1st HAD	2nd HAR	3rd HAD	4th HAR
		HA			
FS	53	178-28-~~29~~ 26	358-28-22	178-28-29	358-28-23
BS	51	00-00-~~17~~ 11	180-00-13	00-00-11	180-00-08
Π@	52	178-28-~~02~~ 15	178-28-09	178-28-18	178-28-15
		178-28-14.25			

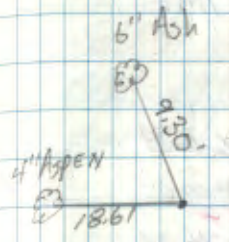
52 to 53	91-09-06	268-51-04	91-09-01	56.640	56.627
53 to 52	89-02-47	270-57-17	89-08-45	56.642	56.634

FS	54	183-36-40	03-36-31	183-36-38	03-36-32
BS	52	00-00-23	180-00-23	00-00-22	180-00-16
Π@	53	183-36-17	183-36-08	183-36-16	183-36-16
		183-36-14.25			

53 to 54	88-25-33	271-34-38	88-2528	115.133	115.090
54 to 53	91-42-12	268-17-32	91-42-20	115.142	115.091

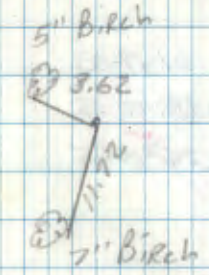
CK BA 11-14-85

Nov. 1, 1985



STA. 52 = 60d spike

56.631 185.80 ft



STA 53 = 60 d spike

115.090 377.59 ft

T143N R26W

Traverse Cont'd from pg 31

STA	1st HAD	2nd HAR	3rd HAD	4th HAR	HA
FS 55	176-16-30	356-16-24	176-16-25	356-16-29	
BS 53	00-00-12	180-00-06	00-00-15	180-00-05	
Π @ 54	176-16-18	176-16-18	176-16-20	176-16-24	
		176-16-20.0			
54 to 55	89-26-07	270-33-50	89-26-09	113.377	113.372
55 to 54	90-39-53	269-20-06	90-39-50	113.378	113.370
FS 56	241-19-18	61-19-10	241-19-12	61-19-03	
BS 54	00-00-28	180-00-15	00-00-20	180-00-23	
Π @ 55	241-18-50	241-18-55	241-18-52	241-18-45	
		241-18-50.5			
55 to 56	90-23-28	269-36-36	90-23-26	178.743	178.739
56 to 55	89-41-26	270-19-08	89-41-09	178.735	178.732

CK BA 11-14-85

Nov 4th, 1985

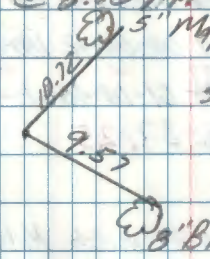
Clear, cold, calm

T-2 s/N 265184 RC ⊡ G. Korenko

Rell-A s/N 4853 Π ↗ G. Robertson

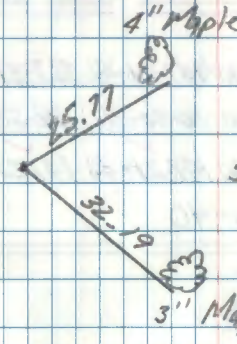
BPR = 29.8 Temp = 35°F Aides - B. Rusk

ECF = -1 @ 8:30 AM B. Whitehorn



STA 54 = 60d spike

113.371 371.95 ft



STA 55 = 60d spike

SE corner of Hayfield

178.736 586.40 ft

T143N R26W

Traverse cont'd from pg 32

STA	1st H&D	2nd H&R	3rd H&D	4th H&R
	H&			
FS 57	61-03-~~57~~ 50	241-03-46	61-03-52	241-03-44
BS 55	00-00-~~7~~ 14	180-00-09	00-00-12	180-00-08
Π@ 56	61-03-~~47~~ 36	61-03-~~35~~ 37	61-03-40	61-0336
		61-03-37.25		
Dist 56-57	89-48-51	270-11-00	89-48-56	161.089 161.088
Dist 57-56	90-15-30	269-44-34	90-15-38	161.089 161.087
FS ~~STA~~ 9057	147-22-00	327-21-40	147-21-41	327-21-34
BS 56	00-00-20	180-00-00	00-00-01	179-59-56
Π@ 57	147-21-40	147-21-40	147-21-40	147-21-38
		147-21-40		

CK BA 11-14-85

Nov 4, 1985

STA 56 = 60d spike in middle of hayfield, no ties

161.088 528.50ft

Sideshot to tie into Tamarack Sale traverse (T142N R26W Sec 3)

STA 57 = STA 2005 of the Tamarack Sale traverse of 1983

9057 = 2004 Tamarack sale traverse

T143N R26W

Traverse cont'd from pg 33

STA	1st H&D	2nd H&R	3rd H&D	4th H&R
	H4			
FS 58	254-36-08 (21)	74-35-56	254-36-02	74-35-58
BS 56	00-00-20	180-00-00	00-00-01	179-59-56
Π@ 57	254-36-48 (01)	254-35-56	254-36-01	254-36-02
	254-36-00.0			
Dist 57-58	89-50-15	270-09-50	89-50-13	298.128 298.127
Dist 58-57	90-12-13	269-47-53	90-12-10	298.134 298.132
FS 59	87-24-10	267-24-13	87-24-15	267-24-07
BS 57	00-00-20	180-00-22	00-00-20	180-00-~~23~~ 15
Π@ 58	87-~~37~~ 23-50	87-23-51	87-23-55	87-23-52
	87-23-52.0			
Dist 58-59	93-52-02	266-07-49	93-52-11	70.509 70.348
Dist 59-58	86-17-47	273-42-03	86-17-52	70.489 70.342

CK BA 11-14-85

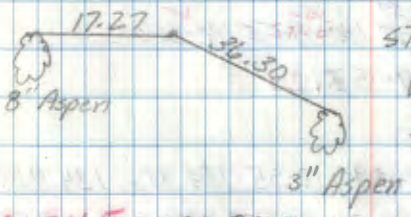
Nov 4, 1985

STA 57 = PK nail in ℄ of Fence line west intersection in Hwy # (Use 1983 ties)

298.130 978.11 A

Older fence bears south, 7.0 feet. Measured south 7.0 ft from sta 57 for inter ℄ of old fence

STA 58 = Gad spike West side of hay field



70.345 230.79 A

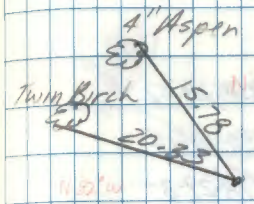
T143N R26W

Traverse cont'd from pg 34.

STA	1st H&D ° ' "	2nd H&R ° ' "	3rd H&D ° ' "	4th H&R ° ' "
		H#		
FS 60	258-08-55	78-08-49	258-08-~~46~~ 50	78-08-46
BS 58	00-00-18	180-00-11	00-00-~~16~~ 12	180-00-08
Π@59	258-08-37	258-08-38	258-08-~~28~~ 38	258-08-38
		258-08-~~38~~ 37.75		
Dist 59-60	90-50-36	269-09-14	90-50-41	106.061 106.050
Dist 60-59	89-16-07	270-43-50	89-16-08	106.064 106.055
FS 61	180-20-06	00-20-~~11~~ 12	180-20-16	00-20-18
BS 59	00-00-11	~~180-59-54~~ 180-00-15	00-00-21	180-00-16
Π@60	180-19-56	180-~~20~~-19-17	180-19-55	180-20-02
		180-19-57.25		
Dist 60-61	90-12-54	269-47-04	90-12-55	134.956 134.955
Dist 61-60	89-48-47	270-10-58	89-48-55	134.955 134.954

CK BA 11-14-85

Nov 4, 1985



STA 59 = 60d spike (Near wooden gate SW cor of field)

106.052 347.94A

STA 60 = 1 3/4 inch O.D rusted Iron pipe @ Fence corner. Fence running N & E & W (Possible 1/16 ?)

134.955 442.76A

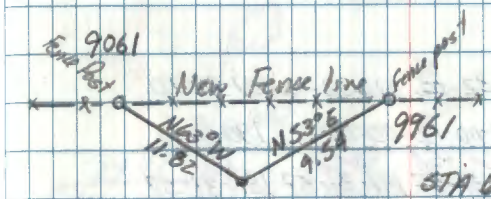
T143N R26W

Traverse cont'd from pg 35

STA.	1st HAD ° ' "	2nd HAR ° ' "	3rd HAD ° ' "	4th HAR ° ' "
		HA		
FS 62	178-29-59	358-29-57	178-29-58	358-29-52
BS 60	00-00-22	180-00-16	00-00-20	180-00-15
Π@61	178-29-37	178-29-41	178-29-38	178-29-37
		178-29-38.25		
Dist 61-62	88-33-39	271-26-17	88-33-41	135.774	135.731
Dist 62-61	91-31-34	268-28-13	91-31-40	135.773	135.725
FS 63	182-48-28	02-48-24	182-48-28	02-48-21
BS 61	00-00-19	180-00-08	00-00-11	180-00-08
Π@62	182-48-09	182-48-16	182-48-17	182-48-13
		182-48-~~14~~13.75		
Dist 62-63	88-49-54	271-10-21	88-49-47	140.845	140.816
Dist 63-62	91-15-23	268-44-40	91-15-22	140.849	140.815

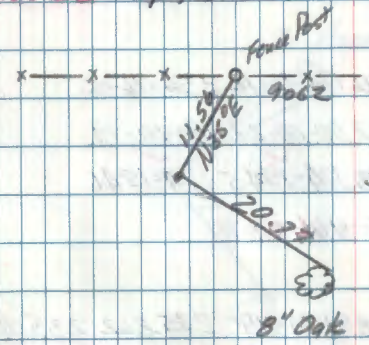
CK BA 11-14-85

Nov 4th, 1985



STA 61 = 60d spike

135.728 445.30 ft



STA 62 = 60d spike

140.815 461.99 ft

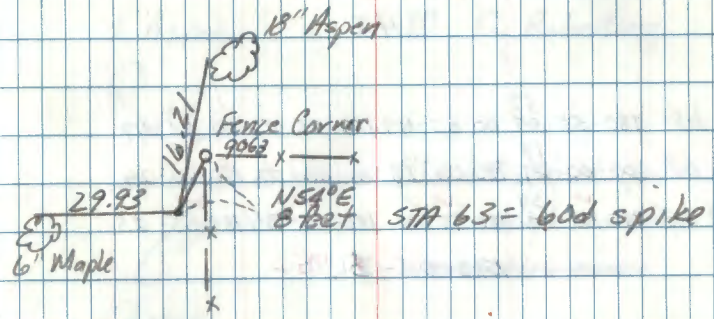
T143N R26W

Traverse cont'd from pg 36

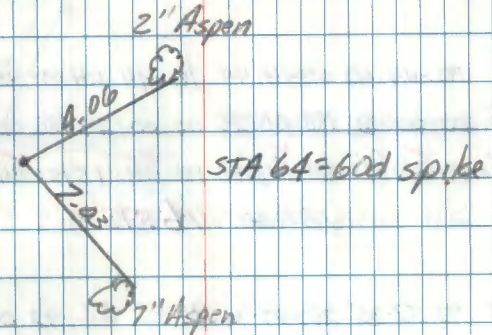
STA	1st HAD ° ' "	2nd HAR ° ' "	3rd HAD ° ' "	4th HAR ° ' "
		HA		
FS 64	181-32-15	01-32-~~02~~ 06	181-32-10	01-32-10
BS 62	00-00-13	180-00-12	00-00-13	180-00-13
T@ 63	181-32-02	181-31-~~50~~ -54	181-31-57	181-31-57
		181-31-~~58~~ 57.5		
Dist 63-64	90-05-32	269-54-29	90-05-31	109.869	109.869
Dist 64-63	90-00-55	269-59-09	90-00-53	109.878	109.878
FS 65	174-16-~~10~~ 15	354-16-10	174-16-12	354-16-05
BS 63	00-00-~~57~~ 25	180-00-27	00-00-27	180-00-19
T@ 64	174-15-~~36~~ 50	174-15-43	174-15-45	174-15-46
		174-15-46.0		
Dist 64-65	91-01-46	268-58-08	91-01-49	235.862	235.824
Dist 65-64	89-01-26	~~271~~ 270-58-48	270-58-41	235.858	235.824

JJR 11-14-85

Nov 4, 1984



109.873 360.48 A



235.824 773.70 A

T143N R26W

Traverse cont'd from pg 37.

STA	1st H&D ° ' "	2nd H&R ° ' "	3rd H&D ° ' "	4th H&R ° ' "
	H&			
FS 66	180-55-~~49~~ 52	00-55-49	180-55-57	00-55-49
BS 64	00-00-~~27~~ 18	180-00-18	00-00-23	180-00-24
T@ 65	180-55-~~23~~ 34	180-55-31	180-55-34	180-55-25
	180-55-31.0			

65 to 66	88-42-30	271-17-36	88-42-27	82.619	82.598
66 to 65	91-25-47	268-34-15	91-25-46	82.617	82.591

FS 67	181-44-49	01-44-44	181-44-44	01-44-47
BS 65	00-00-31	180-00-26	00-00-29	180-00-28
T@ 66	181-44-18	181-44-18	181-44-15	181-44-16
	181-44-16.75			

66 to 67	90-52-35	269-07-31	90-52-32	92.042	92.031
67 to 66	89-15-11	270-45-00	89-15-06	92.039	92.031

CK BA 11-14-85

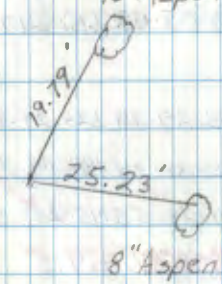
Nov 4, 1985 P.M.

T.T. G. Kosenko

D G. Robertson

STA 65 = 60d spike on west edge swamp ~~(near 1/16 corne~~

82.594 270.98A
~~89.595~~



STA 66 = 60d spike in center of old logging road (near 1/16 corner)

92.031 301.94A

T143N R26W

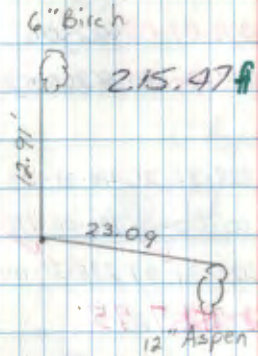
Traverse cont'd from pg 38

STA	1st H&D	2nd H&R	3rd H&D	4th H&D
	H&			
FS 68	217-40-38	37-40-31	217-40-33	37-40-30
BS 66	00-00-24	180-00-11	00-00-~~12~~ 16	180-00-14
π @ 67	217-40-14	217-40-20	217-40-17	217-40-16
	217-40-16.75			
67 to 68	89-07-22	270-52-48	89-07-17	65.680	65.672
68 to 67	91-03-11	268-56-55	91-03-08	65.690	65.677
FS 69	145-29-32	325-29-~~26~~ 23	145-29-29	325-29-19
BS 67	00-00-35	180-00-~~31~~ 28	00-00-34	180-00-28
π @ 68	145-28-57	145-28-~~45~~ 55	145-28-55	145-28-51
	145-28-~~[illegible]~~ 54.5			
68 to 69	91-25-07	268-35-01	268-34-57	105.074	105.042
69 to 68	88-41-34	271-18-30	271-18-28	105.070	105.043

✓ DR 11-14-85

Nov 4, 1985

STA 67 = 60d spike



65.676 215.47 ft

STA 68 = 60d spike

105.042 344.63 ft

T143N R26W

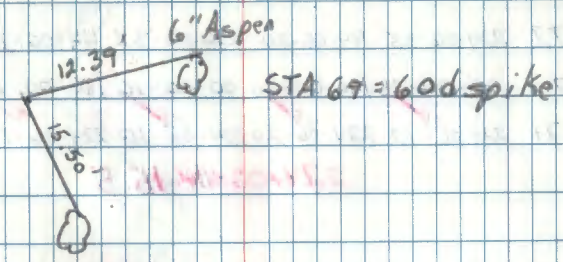
Traverse cont'd from pg 39

STA	1st H&D ° ' "	2nd H&R ° ' "	3rd H&D ° ' "	4th H&R ° ' "
	HX			
FS 70	172-43-40	352-43-32	172-43-30	352-43-42 23
BS 68	00-00-15	180-00-07	00-00-00	179-59-56
π @ 69	172-43-25	172-43-25	172-43-30	172-43-27
	172-43-26.75			

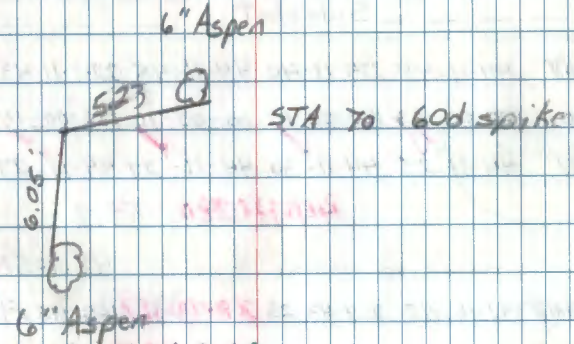
69 to 70	90-52-56	269-07-01	269-07-03	82.063	82.053
70 to 69	89-15-35	270-44-34	270-44-30	82.052	82.045
FS 71	228-31-34	48-31-32	228-31-26	48-31-23	
BS 69	00-00-26	180-00-20	00-00-19	180-00-19	
π @ 70	228-31-08	228-31-12	228-31-07	228-31-04	
	228-31-07.75				
70 to 71	89-59-08	270-00-51	270-00-52	65.331	65.331
71 to 70	90-11-24	269-48-32	269-48-34	65.331	65.331

✓ DR 11-14-85

Nov 4, 1985



82.049 269.19A



65.331 214.34A

T143N R26W

Traverse Cont'd from Pg 40

STA	1st H&D	2nd H&R	3rd H&D	4th H&R
		H4		
FS 72	224-06-35	44-06-30	224-06-32	44-06-28
BS 70	00-00-23	180-00-10	00-00-16	180-00-14
π @ 71	224-06-12	224-06-20	224-06-16	224-06-14
	224-06-~~14~~ 15.5			

71 to 72	88-56-44	271-03-27	271-03-22	172.328	172.299
72 to 71	91-07-25	268-52-41	268-52-38	172.338	172.305

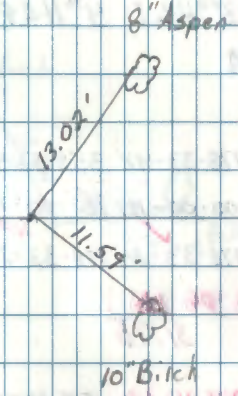
Sideshot

FS 3118	44-11-48	224-11-40	44-11-45	224-11-43
BS 70	00-00-23	180-00-10	00-00-16	180-00-14
π @ 71	44-11-25	44-11-30	44-11-29	44-11-29
	44-11-28			

				48.905M	160.40 48.891 M
71 to 3118	91-16-52	268-43-23	268-43-16	160.45 Ft	160.41 Ft

J ZR 11-14-85

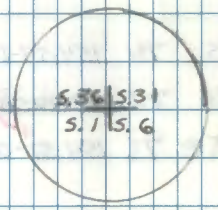
Nov 4, 1985



STA 71 = 60d spike

172.302 565.294

STA 3118 =



corner in swamp

48.893 160.414 too shaky to set up over

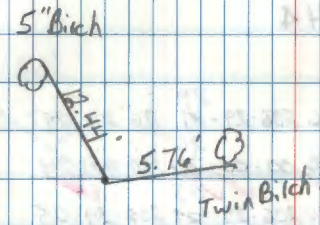
T 143 N R 26 W

Traverse Cont'd from Pg 41

STA	1st H&D	2nd H&R	3rd H&D	4th H&R
	H&			
FS 73	178-34-~~00~~ 60	358-33-46	178-33-48	358-33-43
BS 71	~~00-00-27~~	~~180-00-15~~	~~00-00-14~~	~~180-00-14~~
Π @ 72	178-33-33	178-33-31	178-33-34	178-33-29
	178-33- ~~DR~~ 91.75			
72 to 73	91-18-23	268-41-49	268-41-43	95.447 95.422
73 to 72	88-49-02	271-11-20	271-11-09	95.437 95.417
FS 74	154-57-13	334-57-00	154-57-60	334-57-~~08~~ 00
BS 72	~~00-00-10~~	~~180-00-00~~	~~00-00-05~~	~~179-59-56~~ 180-00-00
Π @ 73	154-57-03	154-57-00	154-56-55	154-57-00
	154-57-~~00~~ 59.5 56			
73 to 74	90-39-36	269-20-31	269-20-28	59.021 59.017
74 to 73	89-32-14	270-27-57	270-27-52	59.025 59.023

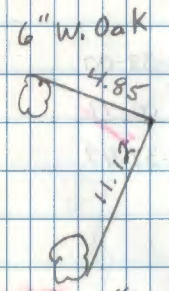
✓ DR 11-14-85

Nov 4, 1985



STA 72 = 60d spike

95.419 313.05 ft



STA 73 16d nail

59.020 193.63 ft

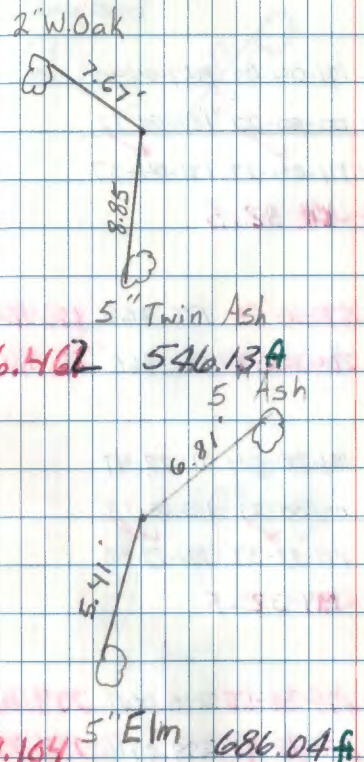
T143 N R26 W

Traverse Cont'd from Pg. 42

STA	1st H&D	2nd H&R	3rd H&D	4th H&R
				H&
FS 75	206-29-37	26-29-36	206-29-~~37~~ 29	26-29-29
BS 73	00-00-25	180-00-26	00-00-~~20~~ 26	180-00-24
π @ 74	206-29-12	206-29-10	206-29-~~01~~ 03	206-29-05
	206-29-~~08~~ 07.5			
74 to 75	90-28-26	269-31-40	269-31-37	166.470 166.464
75 to 74	89-36-00	270-24-13	270-24-07	166.461 166.460
FS 76	182-38-06	02-37-59	182-38-~~64~~ 64	02-38-00
BS 74	00-00-17	180-00-11	00-00-13	180-00-11
π @ 75	182-37-49	182-37-48	182-37-51	182-37-49
	182-37-49.25			
75 to 76	89-39-49	270-20-22	270-20-17	209.106 209.102
76 to 75	90-23-32	269-36-33	269-36-31	209.111 209.106

✓ AR 11-14-85

Nov 4, 1985



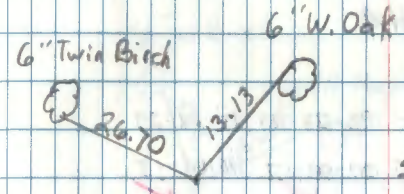
T143N R26W

Traverse Cont'd from Pg 43

STA	1st H&D	2nd H&R	3rd H&D	4th H&R
	H4			
FS 77	171-05-60	351-04-53	171-04-49	351-04-49
BS 75	00-00-28	180-00-19	00-00-22	180-00-12
π @ 76	171-04-32	171-04-34	171-04-27	171-04-37
	171-04-32.5			
76 to 77	89-49-16	270-11-04	270-10-54	176.868	176.867
77 to 76	90-14-53	269-45-13	269-45-10	176.865	176.863
FS 78	191-22-55	11-22-49	191-22-54	11-22-47
BS 76	00-00-21	180-00-16	00-00-21	180-00-17
π @ 77	191-22-34	191-22-33	191-22-33	191-22-30
	191-22-32.5			
77 to 78	90-23-10	269-36-50	269-36-50	298.069	298.062
78 to 77	89-39-22	270-20-48	270-20-43	298.074	298.067

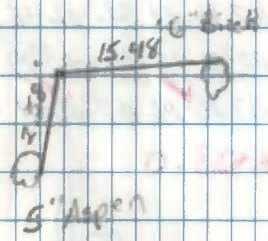
✓ DR 11-14-85

Nov 4, 1985



STA 76 = 16d nail

176.865 580.26 A



STA 77 = 16d nail

298.065 977.90 A

T 143 N R 26 W

Traverse Cont'd from Pg 44

STA	1st H&D	2nd H&R	3rd H&D	4th H&R
	H4			
FS 79	193-~~26-26~~ 28-36	13-28-35	193-28-28	13-28-29
BS 77	00-00-22	180-00-15	00-00-17	180-00-15
∠@ 78	193-28-14	193-28-20	193-28-11	193-28-14

193-28-~~14~~ 14.75

78 to 79	92-04-58	267-55-11	267-55-07	75.594	75.544
79 to 78	88-04-05	271-56-01	271-55-58	75.587	75.544

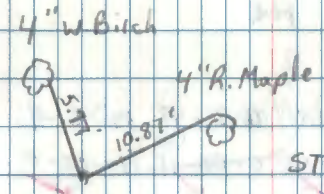
FS 80	167-36-28	347-36-17	167-36-21	347-36-15
BS 78	00-00-29	180-00-16	00-00-15	180-00-14
∠@ 79	167-36-04	167-36-01	167-36-06	167-36-01

167-36-03.0

79 to 80	89-56-48	270-03-20	270-03-16	125.708	125.708
80 to 79	90-03-35	269-51-29	269-53-57	125.703	125.703

✓ GR 11-14-85

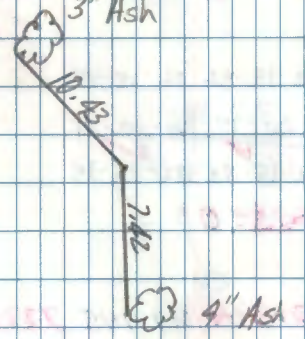
Nov 4, 1985



STA 78 = ~~60d~~ 16d nail

Nov 5, 1985
Clear, cold, windy
Same crew as previous day
BPR = 29.4 ELF = -1
Temp = 35°F @ 8:30 AM
STA 79 = 60d spike

75.544 247.85 ft



125.705 412.42 ft

T143N R26W

Traverse Cont'd from Pg 45

STA	1st HAD	2nd HAR	3rd HAD	4th HAR
		H&		
FS 81	166-36-46	346-36-44	166-36-48	346-36-46
BS 79	00-00-12	180-00-06	0-00-11	180-00-07
∠@ 80	166-36-34	166-36-38	166-36-37	166-36-39

166-36-37.0

80 to 81	90-00-00	270-00-03	270-00-02	210.124	210.124
81 to 80	90-03-20	269-56-39	269-56-40	210.131	210.131

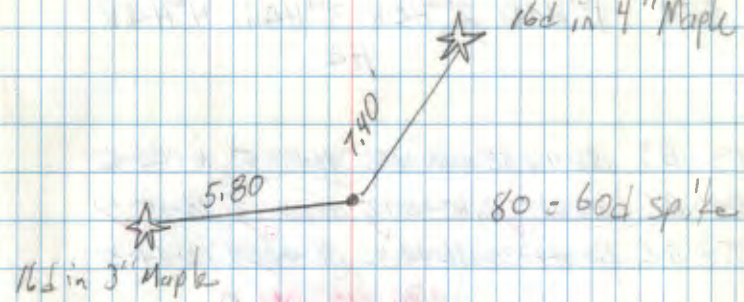
FS 82	182-15-55	02-15-49	182-15-52	02-15-48
BS 80	00-00-20	180-00-13	0-00-17	180-00-14
∠@ 81	182-15-35	182-15-36	182-15-35	182-15-34

182-15-35.0

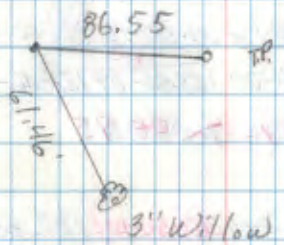
81 to 82	89-25-21	270-34-48	270-34-44	227.745	227.733
82 to 81	90-37-51	269-22-16	269-22-13	227.740	227.726

✓ ZR 11-14-85

Nov 5, 1985



210.128 689.39 A



227.730 747.14 A

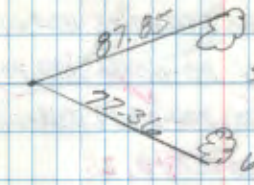
T143N R26W

Traverse Cont'd from Pg 46

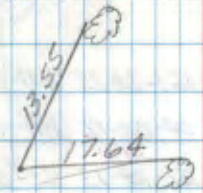
STA	1st H&D	2nd H&R	3rd H&D	4th H&R
	H&			
FS 83	196-44-52	16-44-42	196-44-51	16-44-42
BS 81	00-00-12	180-00-13	00-00-12	180-00-12
Π@82	196-44-35	196-44-30	196-44-39	196-44-32
	196-44-34.0			
82 to 83	90-00-47	269-59-13	269-59-13	191.095	191.095
83 to 82	90-03-07	269-57-03	269-56-58	191.101	191.101
FS 84	137-46-29	317-46-23	137-46-25	317-46-19
BS 82	00-00-19	180-00-16	00-00-16	180-00-18
Π@83	137-46-10	137-46-07	137-46-09	137-46-01
	137-46-~~70~~ 06.75			
83 to 84	90-10-04	269-50-45	269-50-01	177.884	177.883
84 to 83	89-54-14	270-06-00	270-05-55	177.877	177.877

J AR 11-14-85

Nov 5, 1985



191.098 626.96A 20" Oak



177.880 583.59A

T143N R26W

Traverse Cont'd from Pg 47

STA	1st HAD	2nd HAR	3rd HAD	4th HAR
		HΔ		
FS 85	234-07-37	54-07-32	234-07-33	54-07-29
BS 83	00-00-17	180-00-12	00-00-14	180-00-11
Π @ 84	234-07-20	234-07-20	234-07-19	234-07-18
		234-07-19.25		

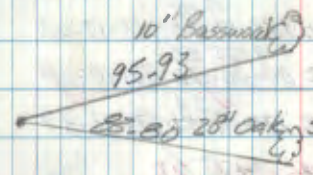
84 to 85	88-49-29	271-10-45	88-49-19	262.789	262.734
85 to 84	91-13-23	268-46-40	91-13-22	262.799	262.739

FS 86	161-08-30	341-08-26	161-08-25	341-08-22
BS 84	00-00-17	180-00-09	00-00-12	180-00-07
Π @ 85	161-08-13	161-08-19	161-08-13	161-08-15
		161-08-15.0		

85 to 86	90-05-29	269-54-45	90-05-22	97.987	97.987
86 to 85	90-01-48	269-58-20	90-01-44	97.977	97.977

✓ OK Cole 11/14/85

Nov 5, 1985



STA 84 = 60d spike in Hayfield

262.736 ✓ 861.99A

fence Corner?

STA 85 = 60d spike Approx 1/4 cor

97.982 ✓ 321.46G

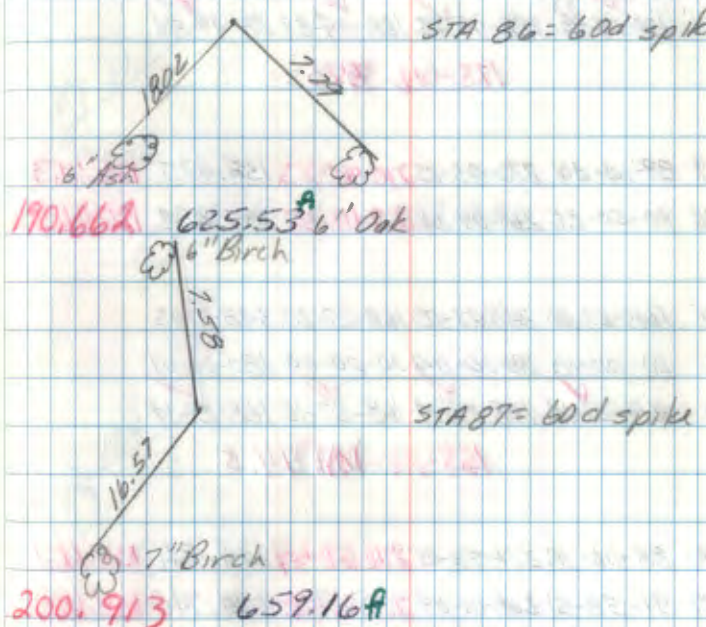
T 143 N R 26 W

Traverse Cont'd from Pg 48

STA	1st H∡D	2nd H∡R	3rd H∡D	4th H∡R
		H∡		
FS 87	173-17-05	353-17-00	173-17-~~00~~ 15 ~~05~~	353-17-08
BS 85	00-00-23	180-00-27	00-00-~~30~~ 41 ~~31~~ ~~55~~	180-00-29
∡@ 86	173-16-42	173-16-38	173-16-~~50~~ 34	173-16-39
	173-16-38.25			
86 to 87	89-18-34	270-41-27	270-41-27	190.673 190.659
87 to 86	90-45-25	269-14-34	269-14-35	190.682 190.665
FS 88	182-42-28	02-42-23	182-42-27	02-42-26
BS 86	00-00-15	180-00-16	00-00-17	180-00-14
∡@ 87	182-42-13	182-42-07	182-42-10	182-42-12
	182-42-10.5			
87 to 88	89-30-15	270-29-42	270-29-44	200.924 200.917
88 to 87	90-33-20	269-26-39	269-26-40	200.918 200.909

JDR 11/18/85

Nov 5, 1985



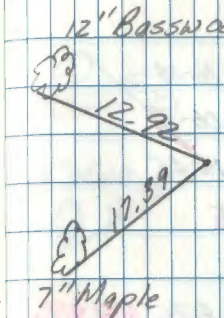
T143N R26W

Traverse cont'd from pg 49

STA	1st HAD	2nd HAR	3rd HAD	4th HAR
		HA		
FS 89	188-04-~~38~~ 32	08-04-38	188-04-35	08-04-35
BS 87	~~00-00-08~~ 179-59-59	179-59-55	359-59-58	179-59-54
Π @ 88	~~188-04-30~~ 33	188-04-43	188-04-37	188-04-41
	188-04-38.5			
Dist 88-89	89-14-40	270-45-25	270-45-23	135.475	135.463
Dist 89-88	90-50-36	269-09-36	269-09-30	135.484	135.469
FS 90	168-27-24	348-27-18	168-27-20	348-27-15
BS 88	00-00-10	180-00-04	00-00-04	180-00-01
Π @ 89	168-27-14	168-27-14	168-27-16	168-27-14
	168-27-~~14~~ 14.5			
Dist 89-90	88-06-18	271-53-45	271-53-44	134.741	134.667
Dist 90-89	91-58-51	268-01-09	268-01-09	134.740	134.660

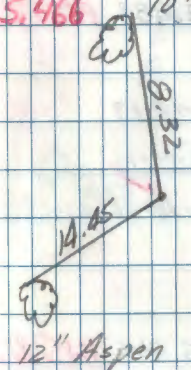
J DR 11-18-85

Nov 5, 1985



STA 88 = 60d spike

135.466 10" Birch 444.44A



STA 89 = 60d spike

134.663 441.81A

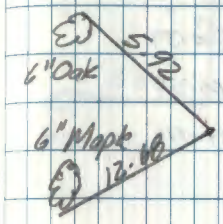
T143N R26W

Traverse cont'd from pg 50

STA	1st H&D ° ' "	2nd H&R ° ' "	3rd H&D ° ' "	4th H&R ° ' "
		H&		
FS 91	183-16-11	03-16-05	183-16-06	03-16-04
BS 89	00-00-23	180-00-17	00-00-20	180-00-19
Π@ 90	183-15-48	183-15-48	183-15-46	183-15-45
		183-15-~~[illegible]~~ 46.75		
Dist 90-91	89-51-21	270-08-42	270-08-41	109.876	109.876
Dist 91-90	90-15-35	~~89-44-54~~	269-44-49	109.883	109.882
FS 92	181-18-32	01-18-18	181-18-25	01-18-17
BS 90	00-00-24	180-00-19	00-00-14	180-00-11
Π@ 91	181-18-08	181-18-08	181-18-11	181-18-06
		181-18-08.25		
Dist 91-92	90-10-02	269-49-28	269-49-43	145.862	145.861
Dist 92-91	89-54-18	270-05-47	270-05-45	145.853	145.853

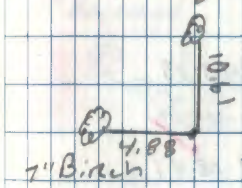
J DR 11-18-85

Nov 5, 1985



STA 90 = 60d spike

109.879 2" Maple 360.49 A



STA 91 = 60d spike
Set Sec Cor from this Point

145.857 478.53 A

T143N R26W

Traverse cont'd from pg 51

STA	1st H&D	2nd H&R	3rd H&D	4th H&R
	H&			
FS 93	179-00-50	359-00-38	179-00-45	359-00-39
BS 91	00-01-01	180-00-55	00-00-54	180-00-54
π @ 92	178-59-49	178-59-43	178-59-51	178-59-45
		178-59-47.0		

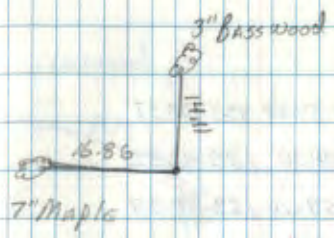
92 to 93	90-03-58	269-56-15	269-56-07	155.485	155.485
93 to 92	90-00-33	269-59-52	269-59-40	155.491	155.491

FS 94	192-03-16	12-03-12	192-03-18	12-03-13
BS 92	00-00-33	180-00-23	00-00-32	180-00-24
π @ 93	192-02-43	192-02-49	192-02-46	192-02-47
		192-02-46.25		

93 to 94	91-40-58	268-19-17	268-19-10	146.395	146.332
94 to 93	88-24-05	271-36-05	271-36-00	146.382	146.325

J YJR 11-18-85

Nov. 5, 1985



STA 92 = 60 d spike

155.488 510.13 ft

STA 93 = 60 d spike

146.329 480.08 ft

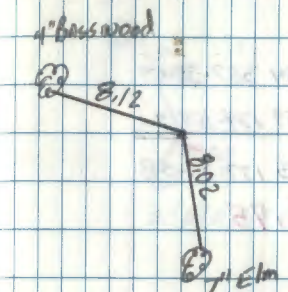
T143N R26W

TRAVERSE CONT FROM PG 52

		1st Hz D	2nd Hz R	3rd Hz D	4th Hz R
S+A		° ′ ″	° ′ ″	° ′ ″	° ′ ″
		Hz			
FS	95	153-54-48	333-54-36	153-54-44	333-54-37
BS	93	00-00-32	180-00-28	00-00-30	180-00-30
π @	94	153-54-16	153-54-08	153-54-14	153-54-07
		153-54-11.25			
94	to 95	91-07-17	268-52-45	91-07-16	160.200	160.169
95	to 94	88-57-11	271-03-02	88-57-05	160.204	160.177
FS	96	192-29-44	12-29-37	192-29-42	12-29-38
BS	94	00-00-33	180-00-21	00-00-28	180-00-22
π @	95	192-29-11	192-29-16	192-29-14	192-29-16
		192-29-14.25			
95	to 96	92-14-20	267-46-01	92-14-10	121.843	121.750
96	to 95	87-51-40	272-08-30	87-51-35	121.828	121.743

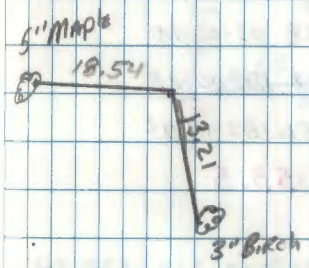
✓ OK Cle. 11/18/85

Nov. 5, 1985



S+A 94 = 60d spike

160.173 ✓ 525.50 A



S+A 95 = 60d spike

121.747 ✓ 399.43 A

T143N R26W

TRAVERSE CONT FROM PG 53

STA	1st H&D ° ' "	2nd H&R ° ' "	3rd H&D ° ' "	4th H&R ° ' "
	H#			
FS 97	177-40-00	357-39-51	177-39-54	357-39-49
BS 95	00-00-05	179-59-52	359-59-59	179-59-51
∠@ 96	177-39-55	177-39-59	177-39-55	177-39-58
	177-39-56.75			

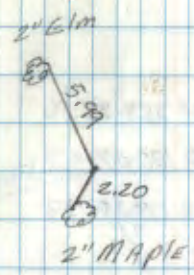
96 to 97	92-07-22	267-52-38	92-07-22	122.323	122.239
97 to 96	87-58-14	272-01-50	87-58-12	122.320	122.243

FS 98	183-20-30 (19 8)	03-20-19 (9)	183-20-28 (8)	03-20-20	
BS 96	00-00-36	180-00-27	00-00-32	180-00-28	
∠@ 97	183-19-54	183-19-52	183-19-56	183-19-52	
	183-19-~~54~~ 53.5				

97 to 98	91-03-35	268-56-33	91-03-31	122.313	122.292
98 to 97	89-01-26	270-57-51	89-01-48	122.303	122.286

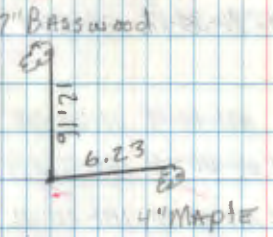
✓OK [illegible] 11/13/85

Nov. 5, 1985



Sta 96 = 60d spike

122.241 ✓ 401.05 A



Sta 97 = 60d spike

122.289 ✓ 401.21 A

T143N R26W

TRAVERSE Cont From Pg 54

STA	1st H&D	2nd H&R	3rd H&D	4th H&R
	H K			
ES 99	179-36-04	359-35-57	179-36-02	359-35-56
BS 97	00-00-41	180-00-29	00-00-30	180-00-23
Σ@ 98	179-35-23	179-35-28	179-35-32	179-35-33
	179-35-29.0			

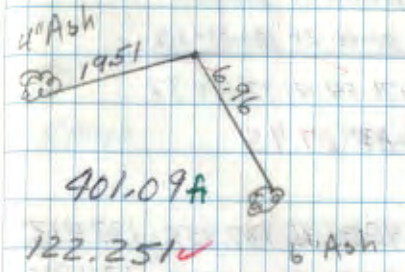
98 to 99	89-31-39	270-28-27	89-31-36	122.254	122.250
99 to 98	90-34-20	269-25-45	90-34-17	122.259	122.253

ES 100	181-20-34	01-20-29	181-20-28	01-20-25	
BS 98	00-00-25	180-00-10	00-00-18	180-00-09	
Σ@ 99	181-20-09	181-20-19	181-20-10	181-20-16	
	181-20-14 13.5				

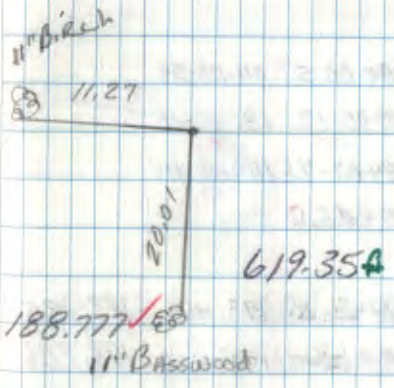
99 to 100	90-52-21	269-07-49	90-52-16	188.802	188.780
100 to 99	89-11-29	270-48-37	89-11-26	188.792	188.773

✓ OK Ah. 11/18/85

Nov. 5, 1985



STA 98 = 60 d spike



STA 99 = 60 d spike

T143N R26W

TRAVERSE Cont. from Pg 55

		1st H&D	2nd H&R	3rd H&D	4th H&R
Sta			H 4		
FS	101	176-55-02	356-55-01	176-55-09	356-55-07
BS	99	00-00-25	180-00-25	00-00-28	180-00-30
Π@	100	176-54-37	176-54-36	176-54-41	176-54-37

176-54-~~38~~ 37.75

100 to 101	91-28-16	268-31-53	91-28-12	137.958	137.913
101 to 100	88-36-48	271-23-10	88-36-49	137.959	137.919

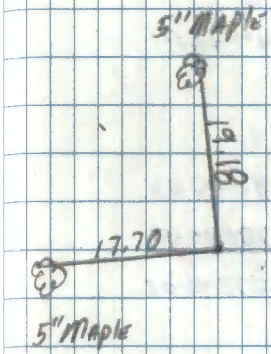
FS	102	184-00-56	04-00-48	184-00-57	04-00-54
BS	100	00-00-13	180-00-08	00-00-12	180-00-10
Π@	101	184-00-43	184-00-40	184-00-45	184-00-44

184-00-43.0

101 to 102	92-01-49	267-58-14	92-01-48	193.406	193.285
102 to 101	88-01-38	271-58-16	88-01-41	193.400	193.286

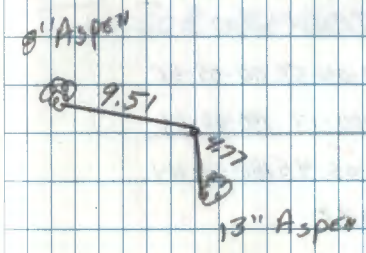
✓ OK [illegible] 11/18/85

Nov. 5, 1985



Sta 100 = 60d spike

137.916 ✓ 452.48A



Sta 101 = 60d spike

193.285 ✓ 634.14A

T143N R26W

TRAVERSE CONT FROM Pg 56

STA	1st H&D	2nd H&R	3rd H&D	4th H&R
	H&			
FS 103	272-46-14	92-46-08	272-46-10	92-46-08
BS 101	0-00-22	180-00-07	00-00-13	180-00-06
T@ 102	272-45-52	272-46-01	272-45-57	272-46-02
	272-45-58.0			

102 to 103	89-35-16	270-24-47	89-35-14	506.848	506.835
103 to 102	90-26-22	269-33-49	90-26-16	506.848	506.833

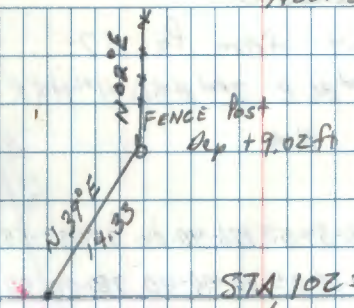
SIDESHOT TO LOOP TRAV 400's

FS 401	180-06-00	0-05-53	180-05-58	00-05-50	
BS 101	0-00-22	180-00-07	00-00-13	180-00-06	
T@ 102	180-05-38	180-05-46	180-05-45	180-05-44	
	180-05-43				

102 to 401	89-47-55	270-12-10	89-47-52	139.412	139.411
401 to 102	90-13-08	269-46-43	90-13-12	139.396	139.395

VOK 11/18/85

Nov. 5, 1985



STA 102 = 60d spike in ditch, N side of Rd Near SW Cor S18

506.834 1662.84ft

LOOP TRAV AROUND SEC'S 18 & 17

~~89.403~~ 457.36ft

T143N R26W

TRAVERSE Cont. from Pg 57

STA	1st H&D	2nd H&R	3rd H&D	4th H&R
	H4			
FS 104	176-39-54	356-39-50	176-40-00	356-39-58
BS 102	00-00-31	180-00-35	00-00-40	180-00-37
∡@ 103	176-39-23	176-39-15	176-39-20	176-39-21

176-39-~~20~~ 19.75

103 to 104	90-21-16	270-38-46	90-21-15	280.032	280.027
104 to 103	89-39-47	270-20-01	89-39-53	280.028	280.023

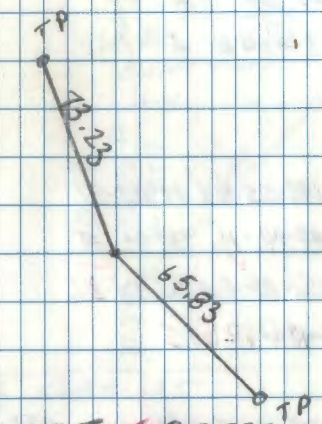
FS 105	179-13-49	359-13-40	179-13-49	359-13-44	
BS 103	00-00-06	180-00-05	00-00-09	180-00-06	
∡@ 104	179-13-43	179-13-35	179-13-40	179-13-38	

179-13-39.0

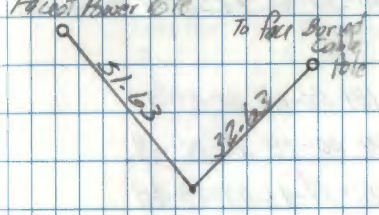
Dist 104-105	89-53-15	270-06-41	89-53-17	807.434	807.433
Dist 105-104	90-08-03	269-52-04	90-08-00	807.437	807.435

✓OK BK 11/18/85

Nov. 5, 1985



280.025 ✓ 918.72ft



807.434 ✓ 2649.06ft

Nov 7 1985
Ptly Cldy, cold, windy
PC ∡ T T B. Kosenko
⊙ B. Robertson

STA 104 = 60d spike
Approx 1/4

T-2 S/N 265184
Red 14 S/N 4863
BPR = 29.5 ECF = -1
Temp = 30°F @ 8:30 AM

T143N R26W

Traverse, Cont'd, from pg. 58

STA	1st H&D	2nd H&R	3rd H&D	4th H&R
		HA		
FS 106	182-03-56	02-03-42	182-03-51	02-03-41
BS 104	00-00-17	179-59-56	00-00-11	180-00-12
T@105	182-03-39	182-03-46	182-03-40	182-03-36
	182-03-40.25			

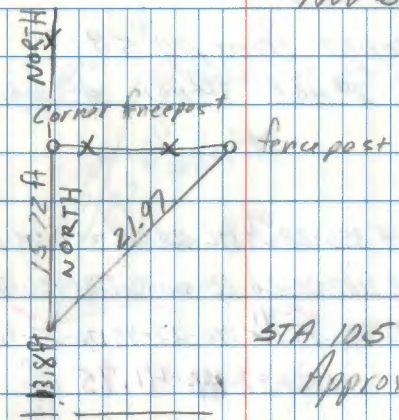
Dist 105-106	89-11-16	270-48-07	89-11-15	423.056	423.013
Dist 106-105	90-50-48	269-09-24	90-50-42	423.057	423.011

FS 107	181-50-04	01-49-53	181-50-04	01-49-57
BS 105	00-00-16	180-00-09	00-00-18	180-00-09
T@106	181-49-48	181-49-44	181-49-46	181-49-48
	181-49-46.5			

Dist 106-107	89-56-13	270-03-56	89-56-08	344.547	344.547
Dist 107-106	90-05-55	269-54-13	90-05-51	344.546	344.546

✓ OK Ck. 11/18/85

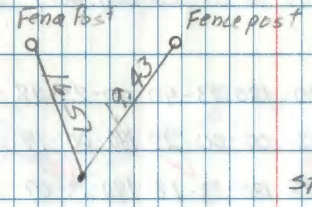
Nov 5, 1985



STA 105 = 60d spike
Approx SE corner

℄ CSAH 135

423.012 ✓ 1387.83 ft



STA 106 = 60d spike
Approx 1/16

344.546 ✓ 1130.40 ft

T143N R26W

Traverse, cont'd from pg 59

STA	1st H&D	2nd H&R	3rd H&P	4th H&R
		HS		
FS 108	176-28-14	356-28-09	176-28-18	356-28-10
BS 106	00-00-34	180-00-28	00-00-34	180-00-28
TO 107	176-27-40	176-27-41	176-27-44	176-27-42

176-27-~~42~~ 41.75

Dist 107-108	89-40-17	270-19-57	89-40-10	631.014	631.004
Dist 108-107	90-21-25	269-38-40	90-21-23	631.009	630.997

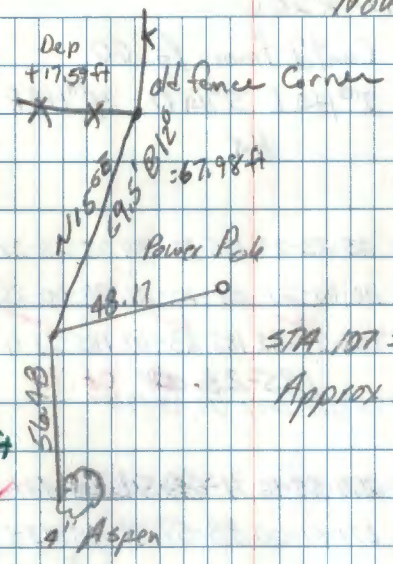
FS 109	180-23-42	00-23-30	180-23-40	00-23-28
BS 107	00-00-23	180-00-18	00-00-22	180-00-19
TO 108	180-23-19	180-23-12	180-23-18	180-23-09

180-23-~~18~~ 14.5

Dist 108-109	91-59-49	268-20-18	91-39-46	104.821	104.777
Dist 109-108	88-26-42	271-33-20	88-26-41	104.815	104.776

✓ OK Clk. 11/13/85

Nov 7, 1985



STA 108 = 60d spike

104.777 ✓ 343.76A

T143N R26W

Traverse Cont'd from Pg. 60

STA	1st HAD	2nd HAR	3rd HAD	4th HAR
		HA		
FS 110	185-23-32	05-23-23	185-23-34	05-23-28
BS 108	00-00-21	180-00-21	00-00-26	180-00-22
π @ 109	185-23-11	185-23-02	185-23-08	185-23-06
	185-23-09	06.75		

Go to pg 65 for loop 20, 29 & 30

109 to 110	91-04-57	268-55-10	91-04-54	163.431	163.402
110 to 109	88-59-19	271-01-00	88-57-09	163.435	163.409

FS 111	174-04-47	354-04-41	174-04-46	354-04-43
BS 109	00-00-23	180-00-10	00-00-18	180-00-13
π @ 110	174-04-24	174-04-31	174-04-28	174-04-30
	174-04-28.25			

110 to 111	91-05-40	268-54-30	91-05-35	664.745	664.624
111 to 110	88-55-54	271-04-11	88-55-52	664.745	664.629

✓ OK GK 11/18/85

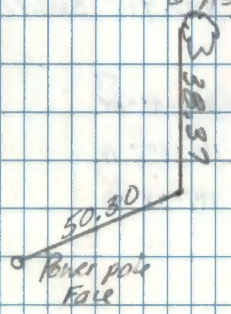
Nov 7, 1985

STA 109 =

T.143N. R26W.
WC
5.17 5.16
5.20 5.21
1985
R.S. 14.07

163.406 ✓ 536.11A

6" Aspen



Alternate mon flush w/ground

STA 110 = 60d spike

664.627 ✓ 2180.53A

T143N R26W

Traverse Cont'd from Pg 61

STA	1st HAD	2nd HAR	3rd HAD	4th HAR
	HA			
FS 112	183-05-05	03-05-01	183-05-12	03-05-09
BS 110	00-00-18	180-00-22	00-00-31	180-00-27
π @ 111	183-04-47	183-04-39	183-04-41	183-04-42
	183-04-42.25			

111 to 112	90-02-30	268-57-39	90-02-26	503.986	503.986
112 to 111	89-59-13	270-00-52	89-59-11	503.978	503.978

FS 113	174-49-03	354-48-58	174-49-02	354-48-58
BS 111	0-00-19	180-00-12	0-00-16	180-00-10
π @ 112	174-48-44	174-48-46	174-48-46	174-48-48
	174-48-46.0			

112 to 113	89-58-26	270-01-36	89-58-25	320.123	320.123
113 to 112	90-03-47	269-56-16	90-03-46	320.124	320.124

✓ ok O.K. 11/18/85

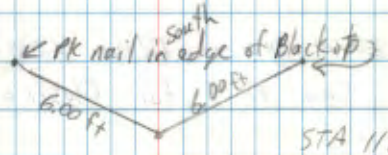
Nov 7, 1985

STA 111 =

T.143N. R.26W.
1/4 S.16 S.21
1966
W.C.
S. 110. 107

Concrete Monument w/BC

503.982 ✓ 1653.48 ft



STA 112 = 60d spike

No tie available

320.123 ✓ 1050.27 ft

T143N R26W

Traverse cont'd from pg 62

STA	1st H&D	2nd H&R	3rd H&D	4th H&R
	H4			
FS 1	184-23-03	04-19-31	184-20-43	04-14-49
BS 112	0-00-16	179-57-00	357-58-00	179-51-58
Σ @ 113	184-22-47	184-22-43	184-22-43	184-22-49
		184-22-45.5		
113 to 1	90-02-46	269-57-21	90-02-43	820.370	820.370
1 to 113	89-58-32	270-01-39	89-58-27	820.373	820.373

END MAIN TRAV LOOP

See IP 5 for Closing angle

Σ @ 1

✓ OK Ch. 11/18/85

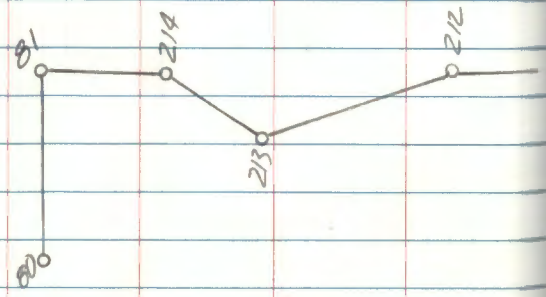
Nov 7, 1985

GENERAL LAND OFFICE U.S. 5.16 5.15 521 522 WC 1922

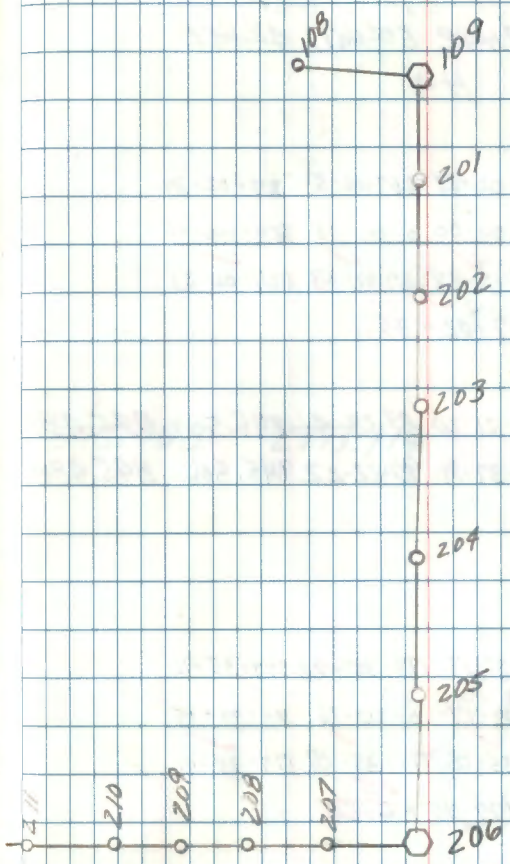
STA 113 = 1¾ dia IP w/2½' BC.

820.372 ✓ 2691.50 ✓

T143N R26W SKETCH



OF 1st LOOP



T143N R26W

TRAVERSE C.S.A.H # 65 & H

Sec 20, 29 & 30 1st Loop

STA	1st H&D ° ' "	2nd H&R ° ' "	3rd H&D ° ' "	4th H&R ° ' "
		H &		
FS 201	267-02-48	87-02-38	267-02-31	87-02-39
BS 108	0-00-16	180-00-00	0-00-13	180-00-06
∠@ 109	267 02-32	267-02-38	267-02-38	267-02-33
		267-02-35		

109 to 201	89-38-52	270-21-20	89-38-46	845.503	845.487
201 to 109	90-22-22	269-37-39	90-22-22	845.506	845.488

FS 202	179-35-28	359-35-17	179-35-23	359-35-16	
BS 109	0-00-19	180-00-14	0-00-16	180-00-15	
∠@ 201	179-35-09	179-35-08	179-35-07	179-35-01	
		179-35-~~06~~ 05			

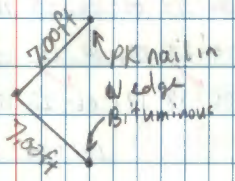
201 to 202	89-58-37	270-01-32	89-58-33	406.646	406.644
202 to 201	90-03-27	269-56-46	90-03-21	406.653	406.653

✓ OK Ok. 11/18/85

Nov 7, 1985
Cloudy / Cool / Breezy
P.C. π π G. Kosenko
M K. Whitehorn
Φ B. Ausk, G. Robertson

STA 109 = Aluminum Mon
see pp 61 this Book

845.488 ✓ 2773.91ft



STA 201 = 60d spike

406.648 ✓ 1334.14ft

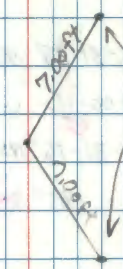
T143N R26W

Traverse Continued from page 66

STA	1st HXD	2nd HXR	3rd HXD	4th HXR	
	HX				
FS 203	180-07-17	0-07-00	180-07-06	0-07-00	
BS 201	0-00-17	180-00-04	0-00-06	180-00-05	
∠ @ 202	180-07-00	180-06-56	180-07-00	180-06-55	
		180-06-~~59.75~~ 58			
202 to 203	90-20-22	269-39-48	269-39-43	396.784	396.777
203 to 202	89-41-33	270-18-26	270-18-27	396.783	396.777
FS 204	181-06-43	01-06-35	181-06-38	1-06-38	
BS 202	0-00-25	180-00-13	0-00-21	180-00-12	
∠ @ 203	181-06-18	181-06-22	181-06-17	181-06-16	
		181-06-~~18.25~~ ~~21~~ 18			
203 to 204	90-00-04	270-00-14	270-00-05	810.005	810.005
204 to 203	90-01-18	269-58-36	269-58-39	809.999	809.999

✓ DR 11-18-85

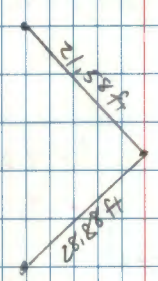
Nov 7, 1985



PK Nail at west edge Bituminous

STA 202 = 60d spike

396.777 1301.76 ft



Baricade post

STA 203 = 60d spike for Approx Sec Cor 20/21 29/28

Baricade post

810.002 2657.48 ft

T143N R26W

Traversed Continued From page 67

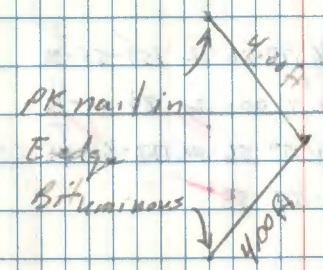
STA	1st H&D	2nd H&R	3rd H&D	4th H&R
	H&			
FS 205	183-31-32	03-31-27	183-31-36	03-31-29
BS 203	0-00-20	180-00-11	0-00-20	180-00-15
π@204	183-31-16	183-31-16	183-31-16	183-31-14
	183° 31' ~~15.5"~~ 16			
204 to 205	90-01-21	269-58-40	269-58-40	398.227	398.227
205 to 204	90-00-30	269-59-34	269-59-32	398.227	398.227

SIDESHOT - TIE IN FENCE CORNER

9 204 FS Fence Cor	271-47
BS 203	0-00-20
π@204	271-47
204 to FC	67.0 chained

JDR 11-18-85

Nov 7, 1985



STA 204: 60d spike

398.227 1306.52 ft

T14BN R20W

Traversed Continued From Page 68

STA	1st HZD ° ' "	2nd HZR ° ' "	3rd HZD ° ' "	4th HZR ° ' "
	HZ			
FS 206	177-56-15	357-55-58	177-56-12	357-55-59
BS 204	0-00-26	180-00-07	0-00-12	180-00-12
∠B 205	177-55-54	177-55-51	177-56-00	177-55-47
	177-55-53			

205 to 206	89-46-15	270-13-55	270-13-50	405.034	405.031
206 to 205	89-55-06	270-05-08	270-05-01	405.040	405.040

FS 207	266-08-27	86-08-14	266-08-20	86-08-14	
BS 205	0-00-27	180-00-18	0-00-20	180-00-14	
∠B 206	266-08-00	266-07-56	266-08-00	266-08-00	
	266°07'59"				

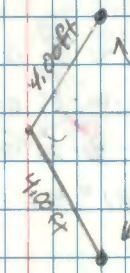
206 to 207	89-49-37	270-10-33	270-10-28	420.135	420.133
207 to 206	90-02-17	269-57-43	269-57-43	420.132	420.132

✓ JR 11-18-85

Nov 7, 1985

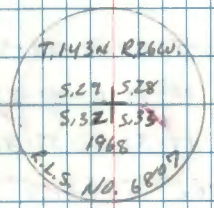
Snowing (a little)

STA 205 = 60d spike



PK nail in west edge bituminous

405.035 1328.85 A



STA 206 = 6" diam Corc Mon with Brass Tablet.

420.133 1378.39 A

T143N R26W

Traverse Continued From page 69

STA	1st HAD	2nd HAR	3rd HAD	4th HAR
		# 2		
FS 208	181-43-33	01-43-~~30~~ 27	181-43-35	01-43-27
BS 206	0-00-20	180-00-~~09~~ 09	0-00-20	180-00-09
∠ @ 207	181-43-13	181-43-~~29~~ 18	181-43-15	181-43-18

181° 43' 16

207 to 208	90-08-36	269-51-22	269-51-23	313.783	313.782
208 to 207	89-53-39	270-06-29	270-06-25	313.797	313.777

FS 209	182-57-55	02-57-50	182-57-55	02-57-50	
BS 207	0-00-29	180-00-19	0-00-23	180-00-21	
∠ @ 208	182-57-26	182-57-31	182-57-32	182-57-29	

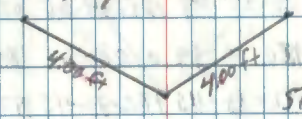
182° 57' ~~29.5~~" 30

208 to 209	90-05-16	269-54-55	269-54-50	424.046	424.046
209 to 208	89-56-42	270-03-21	270-03-20	424.047	424.047

✓ BR 11-18-85

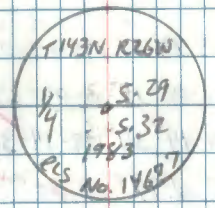
Nov 9, 1985

PK nail in South edge bituminous



STA 207 = 60d spike

313.780 1029.46 ft



STA 208 = B Capped IP

424.046 1391.22 ft

T 143N R26W

Traverse Continued from page 70

STA	1st HAD	2nd HAR	3rd HAD	4th HAR
FS 210	182-34-11	02-34-04	182-34-06	02-34-02
BS 208	0-00-28	180-00-19	0-00-21	180-00-16
Ⅰ @ 209	182-33-43	182-33-45	182-33-45	182-33-46

182°38' ~~44.75~~" 45

209 to 210	90-01-54	269-58-13	269-58-10	366.513	366.513
210 to 209	90-00-02	270-00-00	269-59-59	366.520	366.520

FS 218	179-14-57	359-14-51	179-15-02	359-14-56	
BS 209	0-00-20	180-00-14	0-00-27	180-00-25	
Ⅰ @ 210	179-14-37	179-14-37	179-14-35	179-14-31	

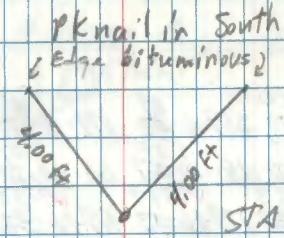
179° 14' 35"

210 to 211	89-12-18	270-47-52	270-47-47	278.901	278.874
211 to 210	90-51-05	269-08-52	269-08-54	278.911	278.880

✓ DR 11-18-85

Nov 7, 1985

32° F 29.40 Hg"



STA 209 = 60d spike

366.517 1202.48 ft

STA 210 = 60d nail
60 old FSLP on post
for 30/29 31/32

metal post
bottom bolt

Metal post
outside bottom bolt

278.877 914.95 ft

T143N R26W

Traverse cont'd from pg 71

STA	1st HxD	2nd HxR	3rd HxD	4th HxR
	H 4			
FS 212	179-~~17~~-~~50~~ 16-50	359-16-~~50~~ 29	179-16-~~34~~ 37	359-16-~~42~~
BS 210	00-00-~~20~~ 17	180-00-~~17~~ 12	00-00-~~13~~ 07	180-00-25
π@211	179-16-~~40~~ -33	179-16-~~13~~ -17	179-16-~~30~~ -30	179-16-17
	179-16-24			

Dist 211-212	90-18-44	269-41-11	269-41-14	517.159	517.151
Dist 212-211	89-43-00	270-17-12	270-17-06	517.155	517.149

FS 213	153-58-35	333-58-29	153-58-30	333-58-18
BS 211	00-00-19	180-00-08	00-00-08	179-59-57
π@212	153-58-16	153-58-26	153-58-22	153-58-21
	153-58-21			

Dist 212-213	89-58-20	270-01-45	203.307	203.307
Dist 213-212	90-05-17	269-54-44	269-54-44	203.312	203.312

✓ MR 11-18-85

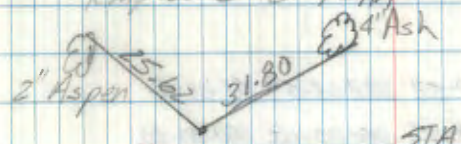
Nov 8, 1985

T-2 S/N 265184 P/N, cldy, cold, calm

Red IA S/N 4863 PC TA G. Kosenko

BPC = 29.7 ECF = -1 π π B. Mask

Temp = 25° @ 8:45 AM ⊙ G. Robertson



STA 211 = 60d spike

517.150 1696.68 ft

STA 212 = 60d spike

203.309 667.02 ft

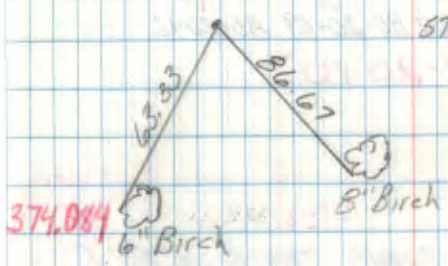
T143N R26W

Traverse cont'd from pg 72

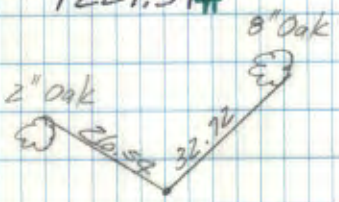
STA	1st H&D	2nd H&R	3rd H&D	4th H&R
	° ' "	° ' "	° ' "	° ' "
		44		
FS 214	222-04-06	42-03-53	222-03-59	42-03-47
BS 212	00-00-18	179-59-55	00-00-02	180-00-00
Π @ 213	222-03-48	222-03-58	222-03-57	222-03-47
		222-03-53		
Dist 213-214	89-57-18	270-02-54	270-02-48	374.085 374.085
Dist 214-213	90-05-02	269-55-07	269-55-03	374.083 374.083
FS 81	163-40-42	343-40-31	163-40-35	343-40-27
BS 213	00-00-19	180-00-11	00-00-11	180-00-07
Π @ 214	163-40-23	163-40-20	163-40-24	163-40-20
		163-40-22		
Dist 214-81	90-55-55	269-04-11	269-04-08	321.527 321.485
Dist 81-214	89-06-34	270-53-34	270-53-30	321.517 321.471

JDR 11-18-85

Nov 8, 1985



1227.31 ft



321.481 1054.73 ft

T43N R26W

Traverse cont'd from pg 73

STA	1st HSD	2nd HSR	3rd HSD	4th HSR
	HT			
FS 80	80-20-29	260-20-17	80-20-27	260-20-20
BS 214	00-00-17	180-00-10	00-00-18	180-00-08
T@ 81	80-20-12	80-20-07	80-20-09	80-20-12
		80-20-10		

END OF THIS LOOP TRAVERSE

J.ZR 11-18-85

Nov 8, 1985

STA 81 = 60d spike

END OF THIS LOOP TRAVERSE