T148N R26W BK4

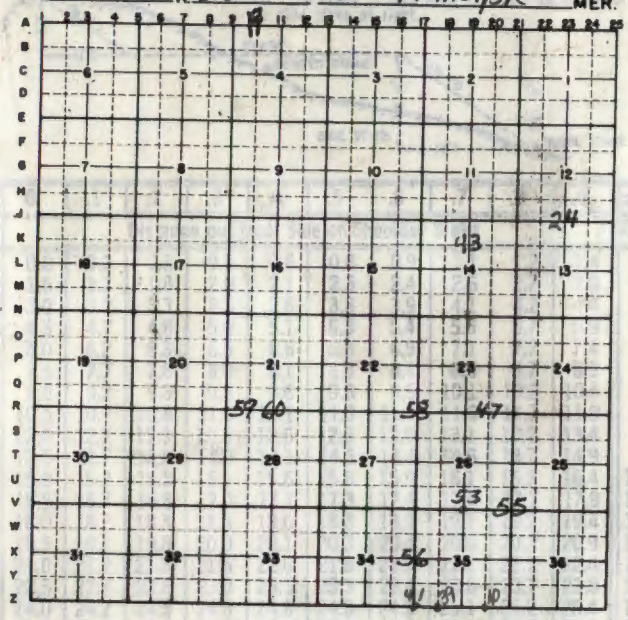
T148N
R26W
BK 4
FIELD BOOK
182 0012

DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING

Book #4 LAND CORNER MONUMENTS

INDEX

T. 148 N. R. 26W 5th Principle MER.



35	52.3	52.7	52.8	53.0	53.1	53.3	53.4	53.6	53.7	53.8	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.

The paper in this book is made of 50% high grade rag stock with a WATER RESISTING surface sizing.

KEUFFEL & ESSER CO.

Index

Cor. info for 1/4 S. 12 + 13 Pg 24
Solar orientation at NE Cor. Sec 13 PP 26-27
Random traverse from SE cor
of sec 35 to SW Cor Sec 35 29-36
Angles for Property Line, South Line 35 38
Angles for Property Line, N 1/4 26 to NE 26 45
Cor. info for 1/4 S 26 + 35 53
Traverse from CN 1/16 S. 14 to N 1/16 13 + 14 49-51
∡ for property line CN 1/16 14 to N 1/16 13 + 14 52

T 148N R26W Sec 13 Sub

Angles at property corners to property Lines

STA	1st H∡ 0	2nd H∡ R
	H 4	
FS 65	267-48-43	87-48-47
BS 57	00-00-15	180-00-40
Π@ 4002	267-48-28	267-48-07
	267-48-18 ✓	

✓ ok bk 02/29/84

Feb 28, 1984

Clear, mild, breeze

PC B. Kosenko

- B. Robertson

T148N R26W S12 Sub.

x at Property Corners to Property Lines.

Sta	1st HAD	2nd HAR
PS.	277-38-10	195-16-50
BS 33	00-00-00	277-38-10
X @ 34.	277-38-10	27738-40
	277-38-25	

✓OK 03/16/84

3-7-84

Wild T2 SN/	B. Ausk
Leitz Rad1A SN/	G. Schultz
	D. Maki
	D. Ojanen

4

T14BN R26W Sec 13 Subdivision

Interior traverse of sec 13

STA	1st H&D	2nd H&R	3rd H&D	4th H&R	
	H&				
FS 4003	180-16-52	00-16-47	346-00-31 ~~165-43-55~~	166-00-46	
BS 74	00-00-20	180-00-03	165-43-55 ~~346-00-31~~	345-44-07	
Π@ 73	180-16-32	180-16-44	180-16-36	180-16-39	
		180-16-38			
Dist 73-4003	89-47-24	270-12-54	89-47-13 ~~16~~	1452.15	1452.14
Dist 4003-73	90-14-41	269-45-28	90-14-36	1452.20	1452.19
FS 4004	167-09-03 180-00-15	00-00-04	167-09-03 ~~07~~	347-09-53	
BS 73	347-09-29 00-00-16	180-00-11	347-09-23	167-09-12 ~~45~~	
Π@ 4003	179-59-39 ~~180-00-00~~	179-59-55	179-59-40 ~~44~~	179-59-41 ~~55~~	
		179-59-43			
Dist 4003-4004	89-52-42	270-07-26	89-52-38	1256.02	1256.02
Dist 4004-4003					

3-1-84

CLEAR cool

B. Aus K
G. Rosenro
G. Robertson

Wild T2 SN/
Leitz Rd1A SN/

1452.17

1256.05

T48N R26W SEC 13 Sub.

Interior Traverse Sec 13

STA	1st HAD	2nd HAR	3rd HAD	4th HAR
	HA			
FS 4005	87-38-18 ~~87-38-13~~	267-38-03	87-38-15	267-38-04
BS 47	00-00-~~18~~ 33	180-00-23	00-00-28	180-00-20
∠ @ 46	87-37-45	87-37-40	87-37-47	87-37-44
	87-37-44			
Dist 46-4005	89-04-35	270-55-25	89-04-35 ~~90-58-36~~	731.53
Dist 4005-46	90-58-21	269-01-16	90-58-36 ~~90-58-28~~	731.54
FS 4005	180-00-44 179-59-16	359-59-17	179-59-16	359-59-00
BS 46	00-00-44	180-00-46	00-00-42	180-00-38
∠ @ 4005	179-58-32	179-58-31	179-58-32	179-58-28
	179-58-27			
Dist 4005-4006	90-24-16	269-35-59	90-24-06 ~~90-24-10~~	900.33 ~~269-35-56~~
Dist 4006-4005	89-38-41	270-21-42	89-38-29	900.33

✓ OK HR. 03/07/84

3-5-84

Clear Cold

150°F

Wild 72 SN

Leitz Red IA SN

B. Ausk
G. Robertson
D. Mak
G. Shutz
D. Ojanan

931.43

900.31

T148N R26W SEC 13

INTERIOR TRAVERSE SEC 13

STA	1st H&D	2nd H&R	3rd H&D	4th H&R	H&
FS4007	180-03-58	00-03-52	180-03-59	00-03-47	
BS4005	00-00-33	180-00-27	00-00-38	180-00-19	
π @ 4006	180-03-33	180-03-25	180-03-21	180-03-26	
		180-03-25			

Dist. 4007 to 4006	90-28-17	269-31-58	90-31-50	1028.48	1028.44
Dist. 4006 to 4007	89-30-52	270-29-19	89-30-46	1028.50	1028.46

FS 4008	92-14-10	272-13-38	92-13-49	272-13-41	
BS4006	00-00-24	180-00-13	00-00-24	180-00-14	
π @ 4007	92-13-51	92-13-25	92-13-25	92-13-27	
	92-13-28	92-13-26			

Dist 4007 to 4008	89-09-00	270-51-08	89-08-56	731.36	731.28
Dist 4008 to 4007	90-54-23	269-05-46	90-54-19	731.38	731.29

✓ OK GL 03/07/84

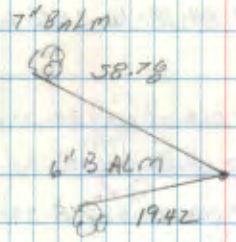
3-6-84

B. Ausk
D. Maki
G. Schultz

Sunny Cold

Wild T2 SN
Leitz Red 1A SN

1028.45



731.28

1296.52

T148N R26W SEC. 13 Sub.

INTERIOR TRAVERSE Cont'd from pg 7

	STA	1st H&D	2nd H&R	3rd H&D	4th H&R
F	FS 4004	179-53-00 / ~~179-52-52~~	359-52-43 / 59	179-52-36	359-52-53 / ~~359-53-03~~
B	BS 4007	00-00-24 / ~~00-00-34~~	180-00-08 / ~~33~~	00-00-07	180-00-08 / ~~11~~
T	T@ 4008	179-52-36 / ~~179-52-18~~	179-52-35 / ~~179-52-44~~	179-52-29	179-52-41 / ~~179-52-52~~

179-52-36

Dist	Dist 4008 to 4004	90-45-50	269-14-09	90-45-51	565.64	565.59
Dist	Dist 4004 to 4008	89-18-19	270-41-48	89-18-16	565.62	565.58

F	FS 4003	268-30-25	88-30-18	268-30-25	88-30-18
B	BS 4008	00-00-38	180-00-32	00-00-40	180-00-34
T	T@ 4004	268-29-47	268-29-46	268-29-45	268-29-44

268-29-46

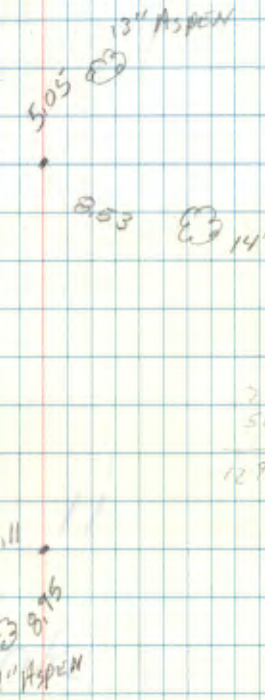
Dist	Dist. 4004 to 4003	90-07-56	269-52-18	90-07-49	1256.07	1256.07

565.58

1256.05

✓OK bk 03/07/84

3-6-84



231.36
565.69
1297.90

Pages

9 thru 11

Blank

T14BN R26W SEC 12 Sub. ?
Ground N½ NW Sec 12
INTERIOR TRAVERSE SEC. 12 Cont'd from pg 11

STA	1st H&D	2nd H&R	3rd H&D	4th H&R
FS 1201	242-49-~~48~~ 50	62-49-32	242-49-44	62-49-36
BS 11	00-00-~~10~~ 12	179-59-59	00-00-07	179-59-57
π@ 12	242-49-38	242-49-33	242-49-37	242-49-39

242-49-37

12-1201	94-11-50	265-48-23	94-11-43	562.40	560.89
1201-12	85-52-44	274-07-35	85-52-35	562.37	560.91

FS 1262	166-01-10	346-01-~~06~~ 08	166-01-07	346-01-05	
BS 12	00-00-15	180-00-~~20~~ 22	00-00-20	180-00-19	
π@ 1201	166-00-55	166-00-~~43~~ 44	166-00-47	166-00-46	

166-00-48

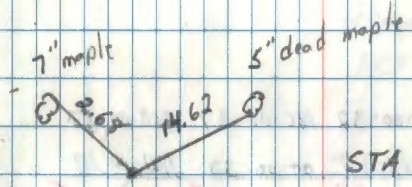
1201-1262	94-42-15	265-17-57	94-42-09	407.23	405.86
1262-1201	85-19-24	274-40-42	85-19-21	407.23	405.87

✓ OK Rk. 03/16/84

March 12, 1984 cloudy, cold, windy, light snow

Leitz Red 1A # 4863 P.C. B. Ausk
Wild T2 # π⃗ M G. Robertson
B.P. 29.6 Aid G. Schultz
Temp. 18° F
ECF -1

560.90



STA 1201 = 60d spike at location of M16

405.87

T148N R26W Sec 12 Subdivision

Interior traverse Sec 12 Cont'd from Pg 12

STA:	1st HAD	2nd HAR	3rd HAD	4th HAR
FS 1203	180-00-~~37~~ 35	360-00-~~26~~ 30	180-00-~~37~~ 35	360-00-~~37~~
BS 1201	00-00-~~25~~ 30	180-00-~~27~~ 23	00-00-~~30~~ 28	180-00-~~30~~ 24
Σ@1202	180-00-~~12~~ 05	~~179-59-54~~ 180-00-07	180-00-~~07~~ 07	180-00-~~57~~ 05

180-00-06

1202-1203	88-06-15	271-53-50	88-06-13	920.81	920.31
1203-1202	91-59-54	268-01-04	91-58-55	920.87	920.32

FS 1001	180-00-37	360-00-32	180-00-37	360-00-37
BS 1202	00-00-27	180-00-32	00-00-33	180-00-27
Σ@1203	180-00-10	180-00-~~02~~ 00	180-00-04	180-00-10

180-00-06

1203-1001	91-39-54	268-19-55	91-40-00	1245.92	1245.39
1001-1203	88-22-03	271-38-02	88-22-01	1245.87	1245.36

✓ok RL. 03/16/84

98.9
730
407
2316

03/12/84

60d spike

920.32

03/13/84 cloudy, warmer
Temp = 28°F BP = 29.6
ECF = -1
Same instruments & crew as previouse day

STA 1203 = 60d spike

1245.38

T148N R26W Sec. 12 Subdivision

Interior traverse Sec. 12

Cont'd from pg 13

STA	1st H&D	2nd H&R	3rd H&D	4th H&R
FS 1002	87-56-~~38~~ 24	267-~~55-40~~ 56-19	87-56-28	267-56-16
BS 1203	00-00-37	180-00-~~27~~ 23	00-00-30	180-00-26
T@ 1001	87-55-~~54~~ 51	87-55-56	87-55-58	87-55-50
		87-55-54		

1001-1002	88-39-17	271-20-38	88-39-19	572.78	572.62
1002-1001	91-24-24	268-35-29	91-24-28	572.78	572.61

FS 1003	180-00-20	360-00-23	180-00-25	360-00-25	
BS 1001	00-00-18	180-00-19	00-00-25	180-00-15	
T@ 1002	180-00-02	180-00-04	180-00-00	180-00-10	
		180-00-04			

1002-1003	94-16-58	265-42-49	94-17-05	335.27	334.33
1003-1002	85-49-40	274-10-12	85-49-44	335.21	334.32

✓ DK Pk. 03/16/84

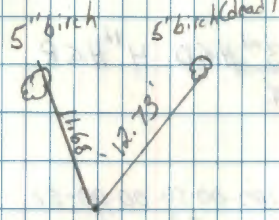
03/14/84

cloudy, windy

Temp = 33°F B.P.R = 29.4

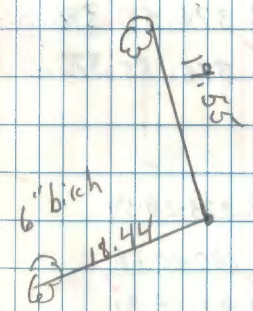
ECF = -2

Same crew & instruments as previouse day



60d spike at CN 1/16

572.62



60d spike

334.33

T149N R26W Sec 12 Subdivision

Interior traverse Sec 12 Cont'd from pg 14

STA	1st HAD	2nd HAR / HA	3rd HAD	4th HAR
FS 26	180-00-59	00-00-~~54~~ 91	180-00-58	00-00-52
BS 1002	00-00-25	180-00-25	00-00-~~35~~ 32	180-00-26
Π@ 1003	180-00-34	180-00-29	180-00-~~23~~ 26	180-00-26
		180-00-29		

1003-26	90-40-08	269-19-59	90-40-04	376.58	376.55
26-1003	89-26-05	270-34-02	89-26-02	376.55	376.53

FS 25	93-29-~~07~~ 65	273-28-56	93-29-~~06~~ 56	273-28-59	
BS 1003	00-00-~~25~~ 38	180-00-23	00-00-31	180-00-28	
Π@ 26	93-28-~~44~~ 37	93-28-33	93-28-29	93-28-31	
		93-28-33			

END OF TRAVERSE

✓OK [illegible] 03/16/84

04/14/84

STA 1003 = 60d spike

376.54

STA 26 = N¼

END OF TRAVERSE

T148N R26W

MC $\frac{33}{4}$ east side Little Whitefish Lake

See: T148N R26W BK 2 pg 64

18

T148N R26W Sec 12 Subdivision
Inverse + traverse from W¼ to C¼

STA	1st HAD	2nd HAR	3rd HAD	4th HAR
FS 401	270-06-~~14~~ 29	90-~~05-57~~ 06-19	270-06-28	90-06-18
BS 3	00-00-~~20~~ 35	180-00-~~54~~ 22	00-00-28	180-00-20
Π@4	270-05-54	270-05-57	270-06-00	270-05-58
	270-05-57			
4 to 401	88-22-50	271-37-14	88-22-48	384.34
401-4	91-42-39	268-17-21	91-42-39	384.34
FS 402	180-00-23	360-00-18	180-00-23	360-00-16
BS 4	00-00-18	180-00-12	00-00-22	180-00-11
Π@401	180-00-05	180-00-06	180-00-01	180-00-05
	180-00-04			
401-402	92-01-~~29~~ 35	267-58-51	92-01-24	584.12
402-401	88-02-45	271-57-34	88-02-36	584.13

OK 03/06/84

04/15/84
windy, cloudy, light snow
Temp = 34°F BPR =
ECF =
Same crew and instruments as page 12

384.18

STA 401 = ?

583.78

T149N R26W Sec 12 Subdivision
Inverse & traverse from W¼ to C¼
Cont'd from Pg 19

STA	1st HAD	2nd HAR	3rd HAD	4th HAR
		HA		
FS 403	180-00-43	360-00-32	180-00-39	360-00-33
BS 401	00-00-26	180-00-17	00-00-30	180-00-24
Π@ 402	180-00-17	180-00-15	180-00-09	180-00-09
		180-00-13		

Dist 402-403	90-14-20	269-45-44	90-14-18	672.84	672.83	672.85
Dist 403-402	270-10-37	89-49-25	89-49-24	672.87	672.87	

FS 404	180-00-~~13~~ 29	360-00-11	180-00-28	359-59-~~45~~ 50	
BS 402	00-00-~~14~~ 20	180-00-08	00-00-~~14~~ 22	179-59-~~31~~ 31	
Π@ 403	~~179-00-55~~ 180-00-07	180-00-02	180-00-06	180-00-12	
		180-00-07			

403-404	90-31-40	269-28-23	90-31-39	625.47	625.44	625.45
404-403	89-31-51	270-28-06	89-31-53	625.48	625.46	

OK Hk. 03/16/84

04/15/84

STA 402 = ?

STA 403 = ?

T148N R26W Sec 12 Sub
Interior traverse cont'd from pg 20

STA	1st HA D	2nd HA R	3rd HA D	4th HA R
	HA			
FS 1000	180-40-45	00-40-37	180-40-41	00-40-34
BS 403	~~00-00-30~~	~~180-00-21~~	~~00-00-28~~	~~180-00-20~~
TP 404	180-40-15	180-40-16	180-40-13	180-00-14
	180-40-15			

404-1000	93-44-16	266-15-55	93-44-11	306.95	306.30
1000-404	86-23-24	273-36-00	86-23-42	306.94	306.33

FS 1013	268-06-11	~~88-05-58~~	268-06-09	~~88-06-00~~	
BS 404	00-00-12	~~179-59-50~~ ~~180-00-02~~	00-00-06	179-59-54	
TP 1000	268-05-59	~~268-05-30~~ 06-08	268-06-03	268-06-06	
	268-06-04				

1000-1013	83-41-45	~~283-42-14~~ 276-18-03	83-41-51	287.03	285.30

SEE T148N R26W BK3 pg 65
FOR CONTINUATION OF THIS
TRAVERSE

OK Ck. 03/16/84

04/15/84

STA 404 = ?

306.32

STA 1000 = traverse point
for C 1/4 Sec 12.
For computing purposes
STA 1000 = STA 405
Ck.

285.35

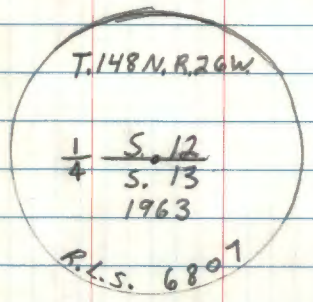
22

23

J-2B

T148N R26W 1/4 co. Sec. 12 & 13

May 22, 1984 K. Whitehorn, B. Ausk, & G. Robertson



Recovered a 3 in. dia. brass cap (stmpd as shown) 3 inches below ℄ Co. Rd. #4. From which bears:

Tam (dead), stump, N52°E, 122.85 ft. to a nail in the NW face, double blazed, scribed "1/4 S12 BT"
Tam (dead), stump, S60°E, 129.30 ft. to a 16d nail in NE face, double blazed, scribed "1/4 S13 BT"
R. Pine, 7.2 in., S33°W, 70.66 ft. to a 16d nail in NW face, double blazed, some scribing visible
Red top 4x4, North, 73.30 ft. w/54-2 & 54-9 blaze, & painted red with red ring
All BT's have BT tags, 60d spikes in BT
Mon. is a 113 ft. East of Rd. intersection with Sanitary Landfill Rd.
Tops are cut off of both Tam.

25

T148N R26W Sec 13
Solar Observation

Tel BS 42 FS

Set #	Post	Vernier	H ∡	CDT Time
1		00-00-32		
	O	98-18-03	98°17'31"	9:01:22
	O	98-25-28	98°24'56"	9:02:00
	O	98-28-37	98°28'05"	9:02:16
	R	278-36-34	98°36'02"	9:02:57
	R	278-39-47	98°39'15"	9:03:14
	R	278-44-12	98°43'40"	9:03:36
		180-00-32		
	MEAN	~~98-31-35~~	98°31'35"	9:02:34
2		00-00-32		
	O	99-12-04	99°11'32"	9:05:55
	O	99-15-00	99°14'28	9:06:11
	O	99-18-07	99°17'35"	9:06:26
	R	279-24-42	99°24'13"	9:07:01
	R	279-28-03	99°27'34"	9:07:17
	R	279-31-40	99°31'11"	9:07:35
		180-00-29		
	MEAN	~~99-21-05~~	99°21'06"	9:06:44
				~~14:06:44 GCT~~

CK BA 8-7-84 8-14-84 ✓

Aug 7, 1984

B. Ausk & G. Robertson
Temp 83°F
~~Hg~~ BP 29.5
watch correction: 0.0 seconds

Long. = 93-54-08
Lat. = 47-38-39

Solar Observation Cont'd
from pg 26

Set #	Post	Vernier	Horiz ∡	CDT Time
3		00-00-28		
	D	99-55-10	99°54'42"	9:09:32
	D	99-58-07	99°57'39"	9:09:47
	D	100-01-27	100°00'59"	9:10:04
	R	280-08-41	100°08'41"	9:10:40
	R	280-12-13	100°11'42"	9:10:57
	R	280-15-58	100°15'27"	9:11:17
		180-00-31		
	MEAN	100-04-46 ✓		~~9:10:23~~ 9:10:23 ~~14:10:23~~
4		00-00-30		
	D	100-40-00	100°39'30"	9:13:15
	D	100-43-41	100°43'11"	9:13:33
	D	100-47-04	100°46'34"	9:13:49
	R	280-55-25	100°54'55"	9:14:32
	R	280-59-04	100°58'34"	9:14:50
	R	281-03-25	101°02'55"	9:15:12
		180-00-30		
	MEAN	~~100-50-57~~	100°50'56"	~~9:14:12~~ 9:14:12 ✓ ~~14:14:12~~

CK BA 8-7-84 8-14-84 ✓ (KW)

28

Traverse Jan 7 & 8, 1985

T148N R26W

Traverse So. mile of Sect. 35

STA	1st H∠D	2nd H∠R	3rd H∠D	4th H∠R	H∠
Dist 1-2	89-39-02	270-20-29	270-20-44	134.97	134.97
Dist 2-1	90-37-14	269-22-23	269-22-35	134.95	134.94
FS 3	159-32-54	339-32-43 (339)	159-32-48	339-32-42	
BS 1	00-00-23	180-00-18	00-00-26	180-00-15	
Π@ 2	159-32-31	159-32-25	159-32-22	159-32-27	
		159-32-27			
Dist 2-3	90-01-59	269-57-30	269-57-46	251.34	251.34
Dist 3-2	90-06-24	269-52-58	269-53-17	251.34	251.34
FS 4	172-30-32	352-30-32	172-30-31	352-30-28	
BS 2	00-00-03	179-59-55	00-00-04	179-59-50	
Π@ 3	172-30-29	172-30-37	172-30-27	172-30-38	
		172-30-33			
Dist 3-4	89-59-52	269-59-52	270-00-00	286.54	286.54
Dist 4-3	90-07-37	269-51-56	269-52-09	286.54	286.54

JDR 1/9/85

Jan 7, 1985

G. Robertson Π Π̄ ♡

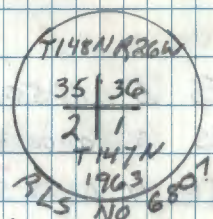
B. Ausk ♡

Temp = 27°F BRP = 29.6

ECF = -1

STA 1 =

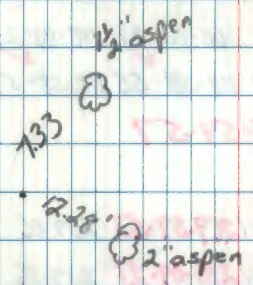
STA 1 =



See Bk 1 pg 76

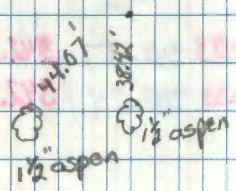
STA 2 = 60d spike

134.955



251.34

STA 3 = 60d spike



286.54

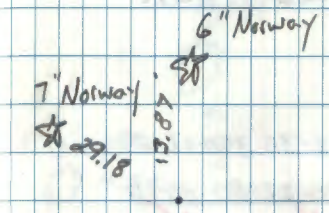
T148N R26W

Traverse Cont'd from pg 29

STA		1st HAD	2nd HAR	3rd HAD	4th HAR	HΔ
FS	5	118-55-30	298-55-23	118-55-26	298-55-22	
BS	3	00-00-32	180-00-25	00-00-31	180-00-25	
T@	4	118-54-58	118-54-58	118-54-55	118-54-57	
			118-54-57			
Dist	4-5	90-19-55	269-39-41	269-39-53	209.86	209.86
Dist	5-4	89-50-23	270-09-04	270-09-21	209.86	209.86
FS	6	226-54-00	46-53-57	226-53-57	46-53-53	
BS	4	00-00-44	180-00-40	00-00-43	180-00-37	
T@	5	226-53-16	226-53-17	226-53-14	226-53-16	
			226-53-16			
Dist	5-6	90-32-52	269-26-58	269-27-03	342.27	342.25
Dist	6-5	89-31-07	~~268-54-14~~ 270-28-13	270-28-33	342.24	342.23

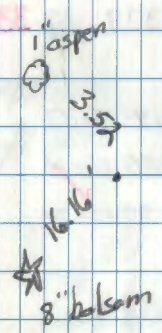
JAR 1/4/85

Jan 7, 1985



STA 4 = 60d spike

209.86



STA 5 = 60d spike

342.24

T148N R26W

Traverse Cont'd from pg 30

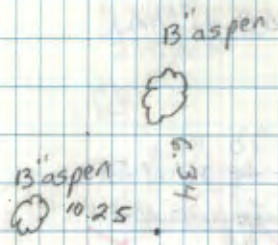
STA	1st HAD	2nd HAR	3rd HAD	4th HAR
	HA			
FS 7	170-12-31	350-12-25	170-12-30	350-12-29
BS 5	00-00-20	180-00-17	00-00-22	180-00-16
TR 6	170-12-11	170-12-08	170-12-08	170-12-13
	170-12-10			
Dist 6-7	91-03-10	268-54-14	268-54-32	339.23	339.17
Dist 7-6	89-00-45	270-58-34	270-58-55	339.19	339.14
FS 8	199-15-~~36~~ 34	19-15-36	199-15-~~44~~ 34	19-15-37
BS 6	00-00-~~20~~ 18	180-00-11	00-00-14	180-00-13
TR 7	199-15-16	199-15-25	199-15-~~30~~ 20	199-15-24
	199-15-21			
Dist 7-8	93-33-16	266-26-07	266-26-26	112.32	112.10
Dist 8-7	86-45-49	273-13-35	273-13-53	112.29	112.11

JBR 1/9/85

Jan 8, 1985 Same Crew

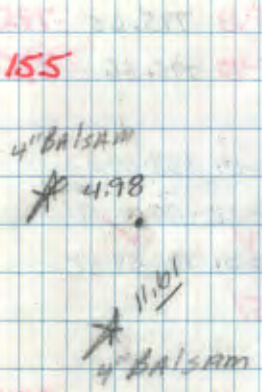
Temp 10°F BRP = 30

ECF = -3



STA 6 = 60d spike

339.155



STA 7 = 60d spike

112.11

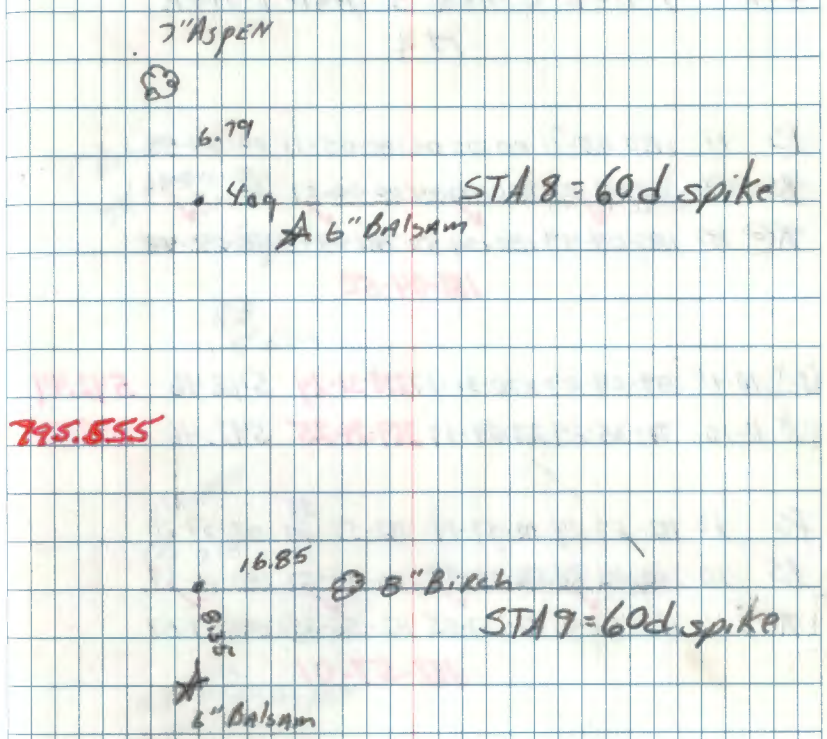
T148N R26W

Traverse Cont'd from Pg 31

STA	1st HAD	2nd HAR	3rd HAD	4th HAR
		HA		
FS 9	171-14-11	351-13-59	171-14-~~46~~ 10	351-13-58
BS 7	00-00-17	180-00-15	00-00-~~34~~ 24	180-00-13
TA 8	171-13-54	171-13-44	171-13-~~28~~ 49	171-13-45
		171-13-48		
Dist 8-9	90-04-10	269-55-16	269-55-33	795.65 795.65
Dist 9-8	89-58-05	270-01-24	270-01-40	795.66 795.66
FS 10	179-00-15	359-00-04	179-00-14	359-00-02
BS 8	00-00-20	180-00-29	00-00-22	180-00-10
TA 9	178-59-55	178-59-44	178-59-52	178-59-52
		178-59-51		
Dist 9-10	~~90-25-39~~ 90-25-39	269-33-51	269-34-06	354.27 354.26
Dist 10-9	89-40-05	270-19-25	270-19-40	354.28 354.27

JAR 1/9/85

Jan 8, 1985



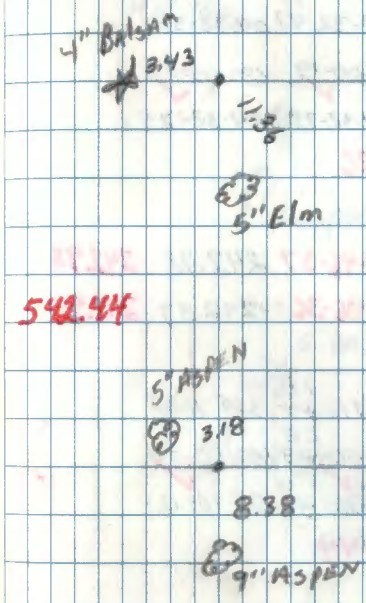
T148N R26W

TRAVERSE CONT. FROM PAGE 32

Stn	1st H&D	2nd H&R	3rd H&D	4th H&R
		M &		
FS 11	180-05-11	00-05-06	180-05-11	00-04-59
BS 9	00-00-22	180-00-14	00-00-21	180-00-41
π@ 10	180-04-49	180-04-52	180-04-50	180-04-48
		180-04-50		
Dist 10-11	89-28-29	270-31-17	270-31-24	542.46
Dist 11-10	70-35-29	269-24-19	269-24-25	542.46
FS 12	182-57-24	02-57-14	182-57-22	02-57-20
BS 10	00-00-24	180-00-09	00-00-27	180-00-17
π@ 11	182-57-00	182-57-05	182-56-55	182-57-03
		182-57-01		
Dist 11-12	91-12-27	268-47-04	268-47-19	227.06
Dist 12-11	88-57-05	271-02-33	271-02-44	227.06

✓DR 1/7/15

JAN. 8, 1985



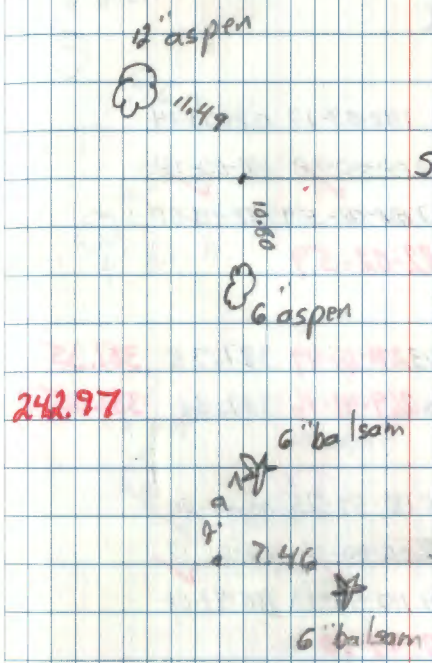
T148N R26W

Traverse Cont'd from pg 33

STA		1st HAD	2nd HAR	3rd HAD	4th HAR	
FS	13	184-32-45	04-32-36	184-32-47	04-32-38	
BS	11	00-00-21	180-00-10	00-00-19	180-00-13	
TR	12	184-32-24	184-32-26	184-32-28	184-32-25	
		184-32-26				
Dist	12-13	90-13-14	269-46-28	269-46-37	242.98	242.98
Dist	13-12	89-53-13	270-06-25	270-06-36	242.97	242.97
FS	14	175-11-02	355-11-03	175-11-18	355-11-05	
BS	12	00-00-22	180-00-17	00-00-28	180-00-24	
TR	13	175-16-48	175-10-46	175-10-50	175-10-41	
		175-10-44				
Dist	13-14	91-02-40	268-56-40	268-57-00	378.95	378.89
Dist	14-13	89-02-52	270-56-47	270-56-58	378.95	378.90

✓ JR 1/9/85

JAN 8, 1985



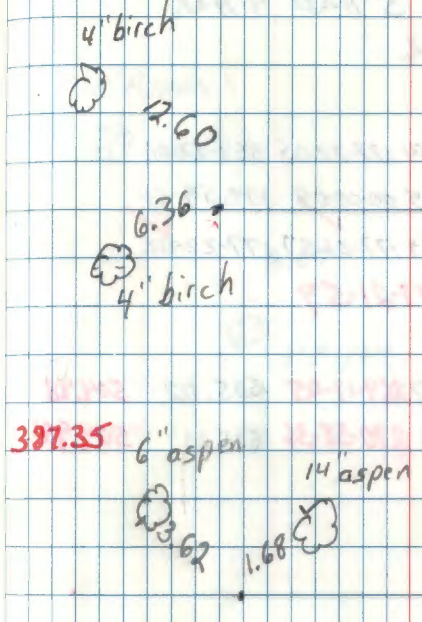
T148N R26W

Traverse Cont'd from Pg 34

STA	1st HΔD	2nd HΔR	3rd HΔD	4th HΔR	
		HΔ			
FS 15	182-03-17	02-03-11	182-03-17	02-03-14	
BS 13	00-00-16	180-00-14	00-00-18	180-00-14	
Π@14	182-03-0	182-02-57	182-02-59	182-03-00	
		182-02-59			
Dist 14-15	89-47-05	270-12-43	270-12-49	387.35	387.35
Dist 15-14	90-18-29	269-41-00	269-41-16	387.36	387.35
BS 14	180-47-~~39~~ 24	00-47-25	180-47-25	00-47-20	
FS 16	00-00-~~14~~ 16	180-00-16	00-00-13	180-00-12	
Π@15	180-47-~~20~~ 08	180-47-09	180-47-13	180-47-08	
		180-47-10			
Dist 15-16	90-10-30	269-49-14	269-49-22	298.96	298.96
Dist 16-17	89-56-43	270-02-40	270-02-59	298.92	298.92

√ JR 1/9/85

Jan 8, 1985



STA 14 = 60d spike

STA 15 = 60d spike

T148N R26W

Traverse Cont'd from Pg 35

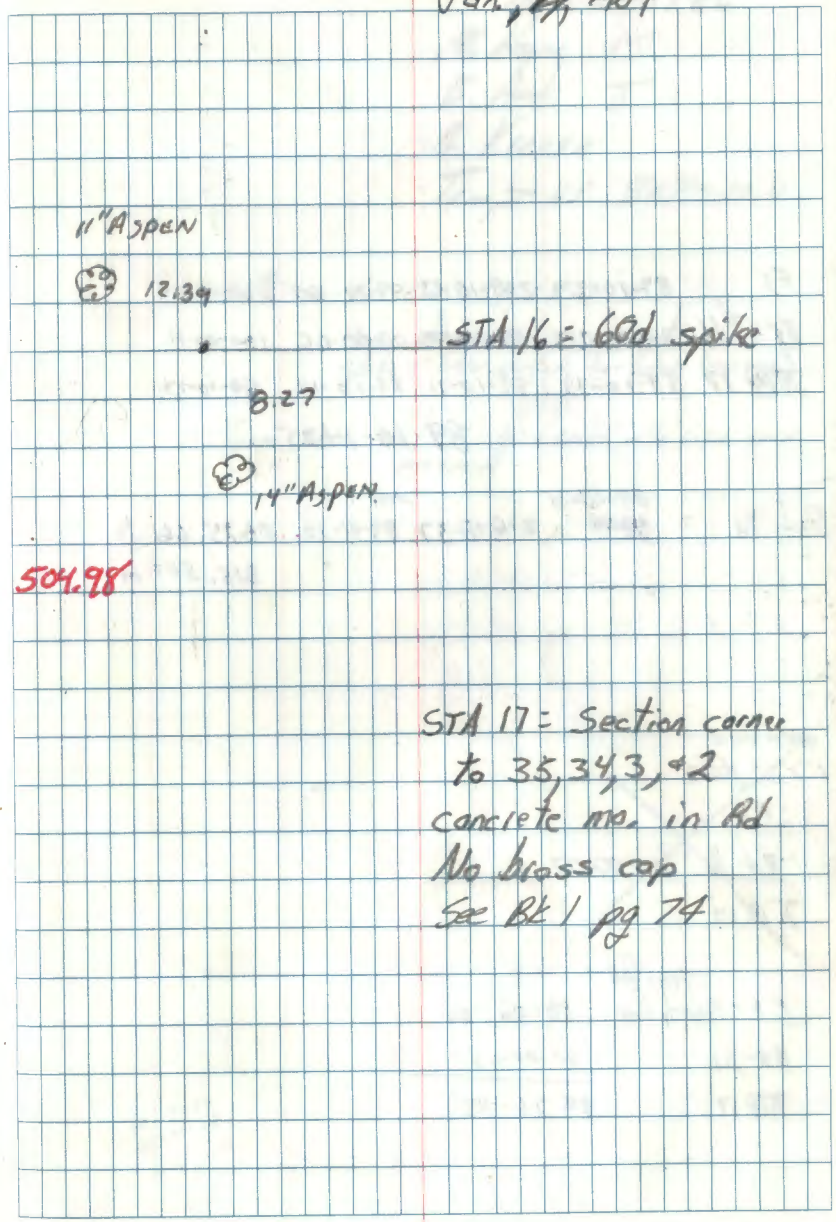
STA	1st HAD	2nd HAR	3rd HAD	4th HAR
		H4		
FS 17	177-22-05	357-21-54	177-22-05	357-22-00
BS 15	00-00-08	179-59-55	00-00-08	179-59-58
π@ 16	177-21-57	177-21-59	177-21-57	177-22-02
		177-21-59		

Dist 16-17	90-42-48	269-16-57	269-17-05	505.02	504.98
Dist 17-16	89-21-12	270-38-23	270-38-36	505.01	504.98

JDR 1/9/85

End of Traverse

Jan, 8 1985 ~~1984~~



STA 17 = Section corner
to 35, 34, 3, & 2
concrete mon. in Rd
No brass cap
See Bk 1 pg 74

FS	89-10-29	269-10-23	89-10-20	269-10-24
BS #16	00-00-10	180-00-08	00-00-06	180-00-11
Π @ 17	89-10-19	89-10-11	89-10-14	89-10-13

89-10-14.25

Dist. 1/4	89-41-01 ~~89-49~~	270-18-37	Mean 89-41-12	2675.66 ft
				815.547 m

~~Range~~
~~1"x2" Hub~~
~~FS~~
~~BS-1/4 00-00-07~~
~~Π @ 17~~

Fence Post
FS - Property line 88-26-30
BS-1/4 00-00-02
Π @ 17 88 26-28

Nov. 5, 1986
M. Hoang
B. Auck Π
C. Krause
Temp = 40° BRP = 29.4

Sta #17 = Sec. Cor. 34, 35, 2, 3
top, of brass cap (placed a 60d spike 3" below surface for future traverse)

1/4 cor secs. 34/35 - 60d spike in 3/4" pipe over monument

88-13-00
88-26-28
00-46-37
355-38-60
19 37
21 23

T 148N R 26 W

Angles @ property corners to property Lines.

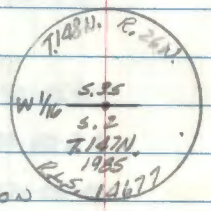
STA	1st HAD	2nd HAR
	HA	
FS 17	32-45-14	212-45-24
BS 10	00-00-21	180-00-24
TP 1001	32-44-53	32-45-00
	32-44-57	
FS 17	320-05-03	140-05-25
BS 2	00-00-00	180-00-25
TP 1	320-05-03	320-05-00
	320-05-02	

Jan 29, 1985
Snow cold Calm
T-2 S/N 265184 PC ⊡ T G. Kosenko
Aides B. Ausk
G. Robertson

T148N R26W Inverse and
Monumentation info to set W 1/16
• 35-2, STA 1401

STA	1st H&D	2nd H&D	H. Dist
FS 1401	162-19-25	342-19-24	
BS 15	00-00-32	180-00-22	
TP 14	162-18-53	162-19-02	132.40

Decl. 5° E
UP 1.5'



Set a 2½" OP Iron
Pipe 5 ft. long with a
3" Brass Cap MKD: 5-1-85
B. Ausk
G. Robertson

From which:
Aspen, 11.4 in., S 53° E, 7.39 ft to a 16d nail on
Aspen, 9.6 in., S 87° W, 12.18 ft to a 16d nail on
Aspen, 9.8 in., North, 1.71 ft to a 16d nail on

Metal Fence Post East 3.0' w/54-2 & 54-9
Metal Fence Post West 3.0' w/54-2
All Trees Are Painted Red

Jan 29, 1985
Snow, cold, calm
RC G. Kosenko
T-2 S/N 265184 T G. Robertson
Ade B. Ausk

NE Face Double Blaze Scr." W1/16 S 20 Bt" w/60d spike
NW Face Double Blaze Scr." W1/16 S 20 Bt" w/60d spike
E Face Double Blaze Scr." W1/16 S 35 Bt" w/60d spike

Cord Filed

T148N R26W Inverse
and Monumentation info to set E 1/16
35-2, STA 701

STA	1st HA D ° ' "	2nd HA R ° ' "	H. Dist
	H 4		
FS 701	05-27-15	185-26-42	
BS 6	00-00-19	179-59-51	
TC 7	05-26-56	05-26-51	114.44

Decl. 5° E
Up 1.5 ft

T.148N. R.26W.
E 1/16 535
S.2
T.147N.
1985
P.L.S. 14677

MAY 1, 1985
B. Ausk
G. Robertson

Set a 2½" OD x 5' long Galvanized Iron Pipe Filled with Concrete with a 3" Brass Cap Stamped as shown

From which:

Aspen 9.4", N65°E, 18.43 to a 16d nail on
R. Pine 16.0", S16°W, 36.68 to a 16d nail on
W. Birch 6.0", N30°W, 18.06 to a 16d nail on

Metal fence post, East 3.0' w/54-2 & 54-9
Metal fence post, West 3.0' w/54-2

All trees Painted Red

March 27, 1985
Cloudy, cool, drizzle

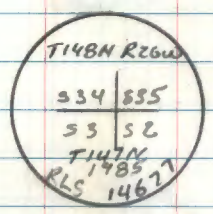
T-2 S/N 265184 PC G. Kosenko
B. Ausk
G. Robertson

SE Face Double Blaze Scr." E 1/16 535 Ft" w/60d spike
NW Face Double Blaze Scr." E 1/16 S.2 Ft" w/60d spike
SW Face Double Blaze Scr." E 1/16 535 Ft" w/60d spike

Card Filed

5-1-85 B. Ausk G. Robertson
Pulled old Monument and
Reset a new one
Refer to Page 74 Book 1

5° Decl.
1.0 ft Below Road



Set a 2½" OD by 2' Long Galvanized Iron
Pipe filled with Concrete with a
3" Brass cap stamped as shown:

From which: New Bt's

Ash	5.5"	N15°E	110.03 to a 16d nail on
Aspen	13.2"	S24°E	71.77 to a 16d nail on
Aspen 1963	14.7	S57°W	108.74 to a 16d nail on
Rock	1½ by 3	N21°W	132.05 with natural

The two Aspen and Rock are painted
Red

CERTIFICATE FILED

NW Face Base Blaze Scr. "Bt" w/60d spike
Face Double Blaze Scr. "S3 Bt" w/60 d spike
Face Double Blaze Scr "S2 Bt" w/60 d spike
Raised "X" on top

Card Filed

42

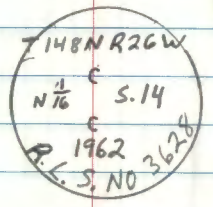
T148N R26W
CN 1/16 S. 14

May 15, 1985 Recovery by: G. Kosenko
B. Husk
G. Robertson

Recovered a 2½ inch outside diameter galvanized iron pipe with a 3 inch diameter brass cap stamped as shown, up 20 inches from which:

Sugar Maple, 13.9in, N44°E, 30.58 ft to 16d nail in SE face, double blaze, scribing rotten, w/60d spike
Sugar Maple 12.0in, S72°W, 36.87 ft to 16d nail in South face, double blaze completely overgrown, w/60d spike
Sugar Maple, 9.2", N63°W, 52.22 ft to 16d in south face, double blaze overgrown, w/60d spike
Carsonite Boundry Marker, East, 3.0 ft
Metal Fence Post, North, 3.4 ft, w/54-2+54-4

Decl. 5°E



43

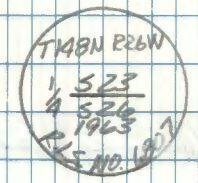
44

T148N R26W

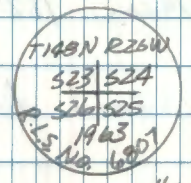
Angles @ Property Corners to Property Lines

STA	1st HAD ° ' "	2nd HAR ° ' "
	HI	
FS 5	359-52-55	179-52-55
BS PI-1	00-00-00	179-59-30
T@0	359-52-55	359-53-25
FS 0		
BS PI-4		
T@5	53-57-05	

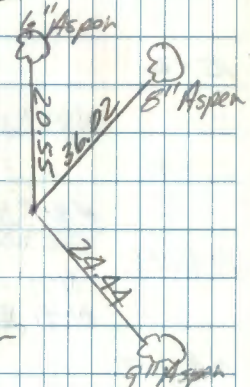
STA 0 =



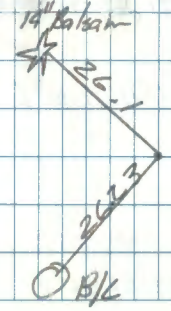
STA 1 =



PI-1 =



PI-4 =



T148N R26W

Tie to E 1/16 S26

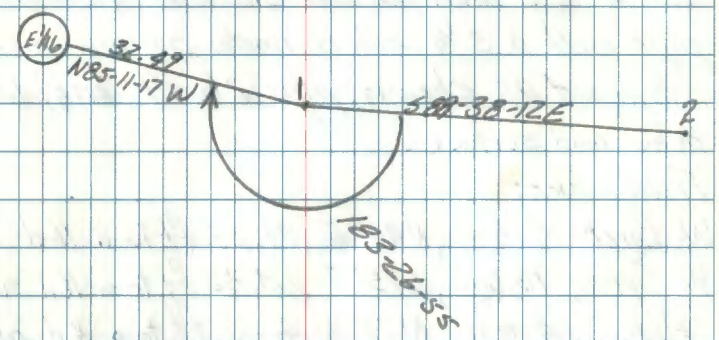
FS E 1/16	182-56-00 ~~177-52-50~~	365-51.8 ~~357-52-20~~	177-52-55	362-52-20
BS PI#2	00-00-00	179-59-40	00-00-00	179-59-40
Σ @ PI#1	~~177-52-50~~	177-52-40	177-52-55	177-52-40

Mean 182° 56' 54"

PI#1 to E1/16 chained Dist. 33.56'

		N	E
PI-2		99988.1781	501854.5396
	N88° 38' 12" W 499.40 ft		
PI-1		100,000.0000	501355.2816
	N85° 42' 18" W 33.56 ft	2.5134	- 33.4657
PT for E1/6		100,002.5134	501321.8142
	N78-56-30 E ~~N41° 35' 43.13" E~~ 1.11 ~~1.52 ft~~		
E 1/6 (Lost)		100,002.7258	501322.9010
	S85° 11' 16.6" E 32.49 ft		
PI-1		100000.00	501355.28
5 1/4 cor		100,000.00	500,000.00
	N89° 52' 55" E 1322.90 ft		
E 1/16 S (Lost)		100 002.7258	501322.9010

E 1/16 = 60d spike



See next page for corner info

T148N R26W R-20

E 1/16 23-26 Inverse and monumentation info. (See previous page)

STA	1st H&D	2nd H&R	H. Dist
	H&		
FS E1/16	183-26-55	06-53-48 02-26-30	
BS PI-2	00-00-00	183-26-55 179-57-30	
Π @ PI-1	183-26-55	183-26-53	32.49

Aug 23, 1985 G. Kosenko & G. Robertson

T148N. R26W.
E1/16 S.23 / S.26
1985
R.L.S. 14677

Set a 2½ inch outside diameter aluminum pipe with a 3¼ inch diameter aluminum cap stamped as shown, pipe 2½ ft long, 1.0 ft below road surface.

From which:

W. Birch 7.6 in, N49°E, 79.25 ft to a 16d nail in
W. Spruce 16.6 in, S75°E, 63.32 ft to a 16d nail in
Ash, 4.6 in, N77°W, 41.16 ft to a 16d nail in
Trees painted red

Placed a red + blue magnet at the base of the monument

Corner position was lost so set proportionally

the SE face double blazed, scribed "E 1/16 S23 BT" w/spike
the NE face blaze overgrown w/60d spike
the NE face double blazed, scribed "E 1/16 S23 BT" w/spike

48

T148N R26W

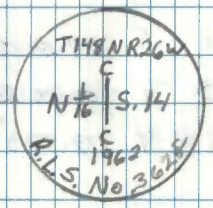
Traverse from CN1/16 S. 14 to N1/16 S. 14 ~~13~~

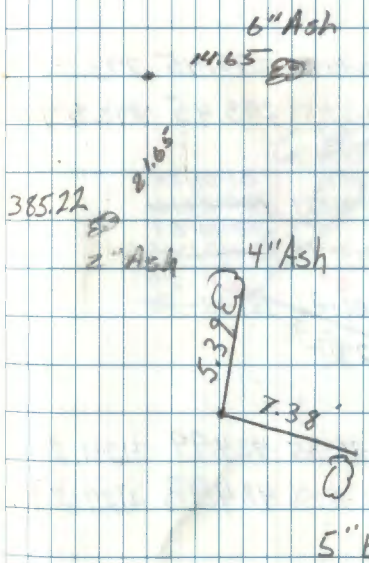
STA	1st H∡D	2nd H∡R	3rd H∡D	4th H∡R	
		H∡			
Dist 1-2	91-54-57	268-04-46	268-04-55	268.00	267.85
Dist 2-1	88-13-05	271-46-30	271-46-43	267.98	267.85
FS 3	223-~~58~~ 59-11-52	43-58-~~44~~ 31	223-58-59	43-58-59	
BS 1	00-00-~~46~~ 45	180-00-25	00-00-31	180-00-36	
π @ 2	223-58-~~36~~ 26	223-58-19	223-58-28	223-58-23	
		223-58-24			
Dist 2-3	90-29-29	269-30-13	269-30-22	385.22	385.21
Dist 3-2	189-36-05	270-23-45	270-23-50	385.24	385.23
FS 4	161-02-24	~~341-02-14~~ 341-02-26	161-02-27	341-02-23	
BS 2	00-00-22	180-00-~~27~~ 24	00-00-25	180-00-27	
π @ 3	161-02-02	~~161-01-47~~ 161-02-04	161-02-02	161-01-56	
		161-02-01			
Dist 3-4	87-51-10	272-08-31	272-08-41	736.45	735.93
Dist 4-3	92-~~14~~ 11-44	267-48-04	267-48-10	736.45	735.91

JH-11-85 DR

Dec 11, 1985
G. Robertson ⊼ ⊼ ⊠
B. Ausk
D. Ojonen
Temp: 15°F BPR: 29.8
ECF: -2

267.85 STA 1 =





Sta 2 = 60d spike

Sta. 3 = 60d spike

735.92

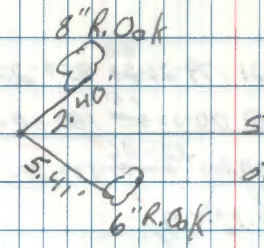
T148N R26W

Traverse Cont'd from P. 49

STA	1st HAD	2nd HAR	3rd HAD	4th HAR	
	HK				
FS 5	179-54-58	359-54-~~50~~ 59	179-55-04	359-~~59~~ 55-01	
BS 3	00-00-25	180-00-~~28~~ 31	00-00-28	180-00-34	
Ⅱ@ 4	179-54-33	179-54-~~22~~ 28	179-54-36	179-54-27	
		179-54-31			
Dist 4-5	89-45-10	270-14-25	270-14-36	293.45	293.45
Dist 5-4	90-22-00	269-37-46	269-37-53	293.45	293.44
FS 6	181-01-36	01-01-26	181-01-31	~~180-00-24~~ 01-01-25	
BS 4	00-00-13	180-00-05	00-00-18	~~01-01-26~~ 180-00-07	
Ⅱ@ 5	181-01-23	181-01-21	181-01-21	181-01-~~36~~ 24	
		181-01-22			
Dist 5-6	93-24-11	266-35-20	266-35-35	424.99	424.24
Dist 6-5	86-40-52	273-18-44	273-18-56	424.98	424.27

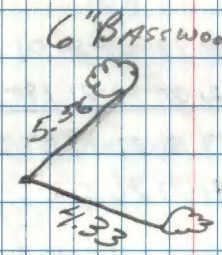
J.R. 11-11-85

Dec. 11, 1985



STA 4 = 60d spike E of Co Rd.

293.44



STA. 5 = 60d spike

424.26

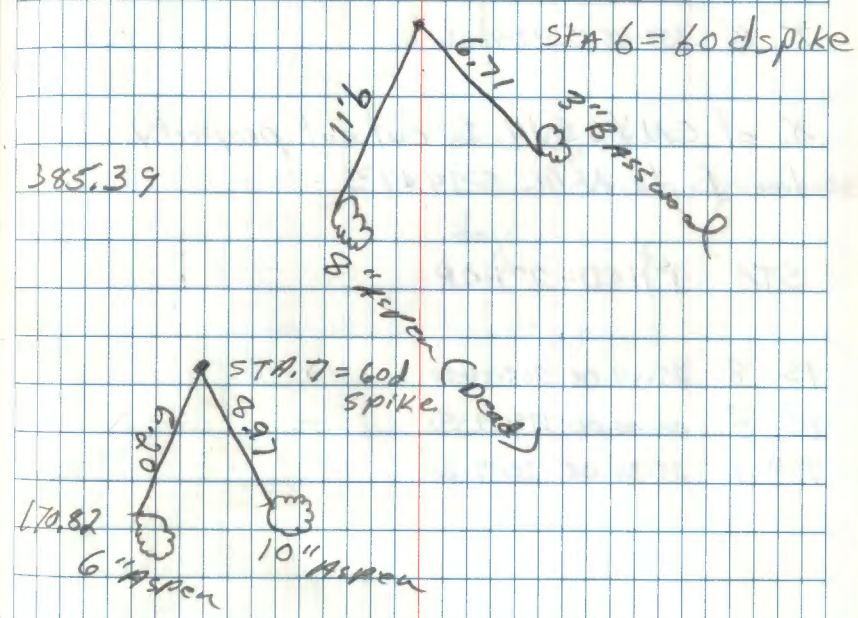
T148N R26W

Traverse Cont'd from pg 50

STA	1st HAD	2nd HAR	3rd HAD	4th HAR	
	HA				
FS 7	179-22-~~21~~ 20	359-22-21	179-22-~~23~~ 20	359-22-18	
BS 5	00-00-~~00~~ 12	180-00-12	00-00-~~05~~ 14	180-00-05	
∆@ 6	179-22-~~01~~ 08	179-22-09	179-~~21-56~~ 22-06	179-22-13	
	179-22-09				
Dist 6-7	88-02-36	271-57-11	271-57-18	385.62	385.40
Dist 7-8	72-03-05	267-56-41	267-56-48	385.63	385.38
FS 8	181-27-45	01-27-44	181-27-50	01-27-45	
BS 6	00-00-20	180-00-21	00-00-21	180-00-18	
∆@ 7	181-27-25	181-27-23	181-27-29	181-27-27	
	181-27-26				
Dist 7-8	90-50-05	269-09-42	269-09-49	170.83	170.81
Dist 8-7	89-22-31	270-37-20	270-37-25	170.83	170.82

✓ 11-11-85 DR

Dec. 11, 1985



T148N R26W

∡ at N1/16 S14&13 to cut out property line W. to CN 1/16 S.14

STA	1st H&D	2nd H&R
FS 1	358-46-40	178-48-54
BS 7	00-00-25	180-00-23
Π 8	358-48-15	358-48-31

∡ at CN 1/16 S.14 to cut out property line E. to N 1/16 S.14&13

STA	1st H&D	2nd H&R
FS 8	25-34-08	205-33-50
BS 2	00-00-00	179-59-50
Π@ 1	25-34-08	25-34-00

Dec. 11, 1985

Dec. 12, 1985
Same crew as previous day

V-19

T148N R26W ¼ cor. S. 26 & 35
Cont'd from T148N R26W BK 2 Pg 23

Dec. 12, 1985 G. Robertson, B. Ausk, D. Ojanen
Found a galvanized iron monument with a 3" dia. brass cap, stamped as shown in Bk 2
Found:
1962 B. Spruce, 9.3", N17°E, 25.56 ft to a 16d nail in W face, double blazed scribing overgrown
1962 B. Spruce, 6.0", S39°E, 11.57 ft to a 16d nail in SW face, double blazed scribing visible
1925 W. Pine, 16.2", S7°W, 20.30 ft to a 16d nail in W. face, single blazed scribing rotted
1962 B. Ash, 8.4", S61°W, 34.05 ft to a 16d nail in NW face, double blazed scribing overgrown
1925 B. Ash, 10.7", N73°W, 20.96 ft to a 16d nail in N. face, single blazed scribing overgrown
All trees have BT tags, 60d spikes in base blaze, & red ring

54

V-21

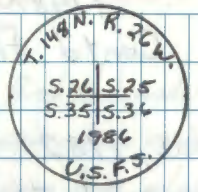
Section corner sections 25-26-35-36

Cont'd from Bk 2 Pg 17

Jan 9, 1985 G. Robertson & B. Avak
Found monument broke off at road surface.
Set point back with BT's
From which
W. Birch, 10.8", N35°E, 45.77 ft to 16d nail in SE face, double blazed, scribing visible
J. Pine (dead), 13.9", S46°E, 61.97 ft to 16d nail in NE face, double blazed, scribing visible
R. Maple, 7.1", S31°E, 89.02 ft to 16d nail in NE face, double blazed, scribed "S36 BT"
J. Pine, 7.8", S40°W, 111.23 ft to a 16d nail in SE face, double blazed, scribing visible
Aspen, 10.2, N39°W, 83.28 ft to a 16d nail in SW face, double blazed, scribed "S26 BT"
Wood 4x4, West, 16.5 ft W/S4-4
All trees have 60d spikes & blazes are painted. No rings around BT's
Monument has to be set at a later date

Nov, 10 1986 G. Robertson + J. Allison
Pulled old monument and set a 2½" outside dia. concrete filled galvanized iron pipe w/a 3" dia. brass cap marked as shown:

1.0' below road surface



X-17

T148N R26W 1/4 cor. Sec. 34 & 35

Cont'd from BK 2 Pg 21

Nov., 1982 Itasca County
Recovered the three 1963 BT's and
established new BT's
"X" Rock, 1'x1', S 83°W, 49.01 ft.
Ash, 8", N16°E, 84.39 ft.
"X" Rock, 1½'x2', N36°W, 72.72 ft.

11-5-86 M. Hages C. Krause
Fd. a 9½" x ¾" O.D. iron pipe 0.2' below surface of road. This pipe does not fit the 1963 and 1982 ties (about 0.3' south of where ties fall). No evidence of the 1963 concrete monument was found. The 1963 Elm to the SE has been cut down. The following ties were recovered:

1963 W. Spruce N 86° W 84.90 ft — lower BT blaze has been chopped
1963 Birch, 6" stub x 4' high N 26° E 74.10 ft — 1/4 scribing 1/4 535 BT
1982 Co. X on Rock 1'x1', WEST 49.05'
1982 Co. Ash, 9" N 20° E 84.39' — witnesses 1/4 535 BT (placed spike at distance)
1982 Co. X on Rock 1½ x 2' N 29 W 72.72'
spike in 4"x4" treated post East 20.25'

20.25

20.25

CERTIFICATE FILED

11-5-86 (cont) From the 1963 Spruce & Birch stub and the 1982 Ash and Rock NW (all three came to a common point) set a 30" long x 3/4" aluminum pipe w/aluminum cap 1.4' below road surface. Placed the fd. iron pipe above this monument and drove a center punched 60d spike in the center of pipe.

T148N R26W
1/4
534 | 535
1986
USFS

Meander Corner Bton 27 & 34 East Side of Mushgee Lake

Notes of Nov. 1875 Original Survey by B.C. Baldwin.

Set post at 14.90 chs west of 27/26 34/35

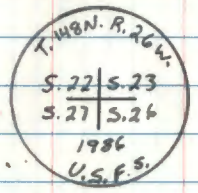
Tam. 4" S 88° E 305 lks (201.30 ft)

Tam. 5" N 87° E 309 lks (203.94 ft)

T148N R26W Cont'd from BK2 Pg 25

Cor. Sec. 22, 23, 26, & 27

Nov. 10, 1986 G. Robertson & J. Allison
Pulled old monument and set 2½"
outside diameter by 2' long galvanized
concrete filled iron pipe with a 3"
dia. brass cap stamped as shown.



1' below road surface

From which:
1965 Tamarack, 8.0", S49° E, 39.7 ft. to a 16d nail
in NE face, blazes overgrown
1965 Tamarack, 6.8", N72° E, 27.7 ft. to a 16d nail
in SE face, Single blazed, "S25" visible
1965 Tamarack, 6.0", S 66° W, 75.1 ft. to a 16d nail
in S face, Scribing visible
New Cedar, 5.0", N82° W, 73.94 ft. to 16d nail
in S face, dble blazed, scribed "S22 BT"
4x4 wood post, West, 22.2'

MEANDER CORNER BET. SEC'S. 21 + 28
EAST SHORE OF SAND LAKE
ORIG. GOV'T. SURVEY 1875
MKD. 3" BALSAM FOR COR.

BIRCH 9 N23E 18 LKS = 11.88'

W. PINE 12 S22E 35 LKS = 23.10'

CERTIFICATE FILED

QUARTER CORNER BET. SEC'S, 21+28
ORIG. GOV'T. SURVEY 1875
SET WOOD POST

ASPEN 6 N89W 5.00 CHS = 330.00'

ASPEN 6 S87W 5.15 CHS. 339.90'

CERTIFICATE FILED

END OF
BOOK