

01.13.02 SEWARD HWY: MP 99 to 115

01-0002

BOOK 82

Peninsular
CROSS SECTION BOOK

CB 802

VERTICAL

CORRELATION

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68	LEVEL LOOP F73/129/404/118/511/Reset/K26 116/E73 RESET	2-21-01

①

PEG TEST

STA	+	HI	-	IFS	ELEV
-----	---	----	---	-----	------

NO ADJUSTMENT

Coll DIFF - 3.1"

A

16015

100 0007

1016022

B

15776

B

15088

100 0246

1015334

A

15334

100 m
(ASSUMED)

2-14-01

①

MOSTLY SUNNY

25° CALM

LEICA NA 2002

SN 94525

START 10:00

END 10:30

ROUSSEAU
LAMB

2ND SETUP
B X O X
SET PK

1ST SETUP
X

A
SET PK O X

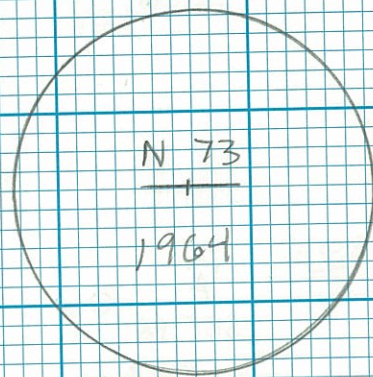
②

FOUND MONUMENT

(605)

~ 1/2 MP 115⁺ SEWARD HIGHWAY
FOUND 10 CM DIA BRASS CAP
SET IN CONCRETE ON THE
EAST END OF NORTH HEADWALL
OF 25 M RAILROAD BRIDGE ~ 60 M
SOUTH OF COGACH STATE PARK
HISTORICAL SITE @ POTTER RR STATION
PARKING LOT ~ 2 M BELOW TRACKS

MKD N 73 1964



2-17-01

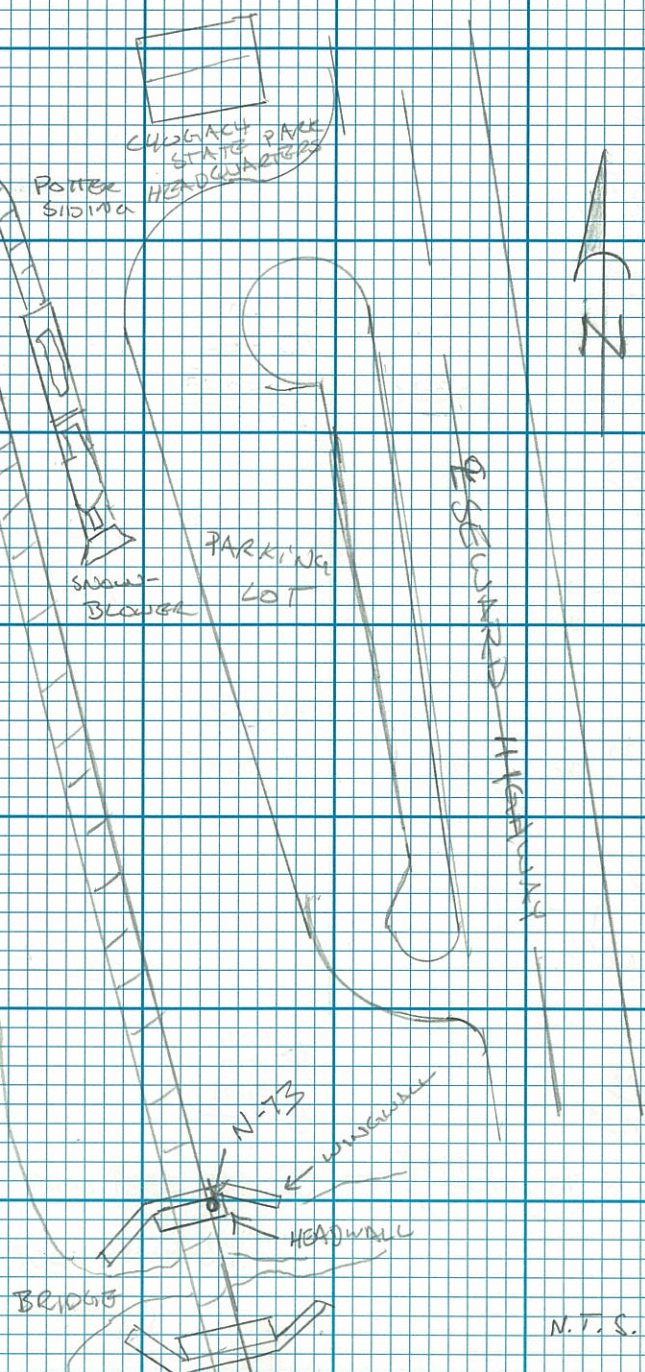
(2)

MOSTLY SUNNY
23° CALM

10:30
11:00

ROUSSEAU
LAKE

COOK
ENCLOSURE



③

LEVEL LOOP

N73 → TBM

STA

+

HI

-

IFS

BLEU

③

TP 3

62²⁴ HD

23605

7747

81618

10107

64⁴⁰ HD

14666

105223

②

TP 2

38⁵³ HD

14722

8441

90557

10113

38²⁹ HD

29076

105271

①

TP 1

HD 68⁴⁴

12992

7205

76203

8505

HD 72²¹

89195

BM N 73

11345

6570

6985 M

BEGIN LOOP

L-14-01

②

LIGHT OUGRETT

SUNNY

75° CALM

LEICA NA 2002

SN 94525

11 00

REC MOD 5

ROUSSEAU
LAMP

6" SPIKE SET IN GRAVEL

6" SPIKE SET IN GRAVEL

PK SET IN ASPHALT

INGUID 29 BRASS MON SEE PG ② THIS BOOK

(4)

LEVEL LOOP

STA	+	HI	-	IFS	ELEV
-----	---	----	---	-----	------

(6)

TP 4
2187 HD

15764

6826
7243

8403

HD 2478

18798

88177

(5)

TBM #1
2188 HD

18462

~~69386~~
~~69379~~
 6523 ✓

8369

219 HD

15432

82841

(4)

TP 4
5415 HD

22125

~~72409~~
 6826

(3)

TP (3)
58 1/2 HD

12915

9038
~~94534~~

8168

CONT. FROM P. 3

07747

 LIGHT OVERCAST
 25° CALM
 LEICA NA 2002

 ROUSSEAU
 LAWS

 WEST BOLT ON LOMINARE
 NE CORNER OF SEWARD HWY & PETER VLY RD INTERSECTION

6" SPIKE SET IN GRAVEL

5

LEVEL LOOP

STA

+

HI

-

IFS

ELEV

⑥

TP 1

3833

29107

7204

76186

10114

3855 HD

14746

105293

⑧

TP #2

67¹⁶ HD

13670

8640

90551

10007

5984 HD

22397

104121

⑦

TP #3

58¹² HD

12409

7797

81621

7038

TP #4

54¹² HD

22120

94550

72413

CONT. FROM 84

6326

7-14-01

3

OVERCAST

25° N WIND 5 kts

LEICA NA 2002

ROUSSEAU
LAKE

⑥

LEVEL LOOP

STA	+	HI	-	IFS	BLEV
-----	---	----	---	-----	------

END LOOP

⑩

BM N73
73.93 HD

TP 1
66.93 HD

13166

8.520
8.9352

19515

6.5626
6.9831

7.6186

CONT FROM P3

7.204

L-17-01

⑥

OVERCAST
25° N WIND 3 KTS
LEICA NA 2002
END 16 15

ROUSSEAU
LAMB

LOOP LENGTH 1007.18 m

ERROR 0.0014 m

RATIO 1:774,754

OBSERVATIONS 10

ADD +0.00014 PER TURN

6.510
<6.983>
R

(7)

PEG TEST
LEICA NA 2002

SER# 94525

STA + HI - IPS ELEV

NO ADJUSTMENT

B

13241

1013492

3496

99.9996

B

12718

100.0251

A

12969

1012969

100.0000

ASSUMED

2-15-01

(7)

OVERCAST
21° N WIND 3 KTS
BWD 930
END 1000

POUSSAN
BORNHOLDE
KOLTZSCH
LAMIS

B

○

2ND OBSERVATION

1ST OBSERVATION

50 METERS

A

○

⑧

FOUND MONUMENT

(606)

MKD P.H. 1023

FND 9 CM DIA BRASS DISK
MOUNTED VERTICALLY IN ROCK FACE
E EDGE WEIGH STATION FOLLOWST
ON SEWARD HIGHWAY
S OF SCALE HOUSE
METAL LIGHT POLE BRSS 1/2" W 19.56 M
YELLOW GOING SIGN < STOP // FORWARD >
BRSS 2 1/2" W 9.67 M

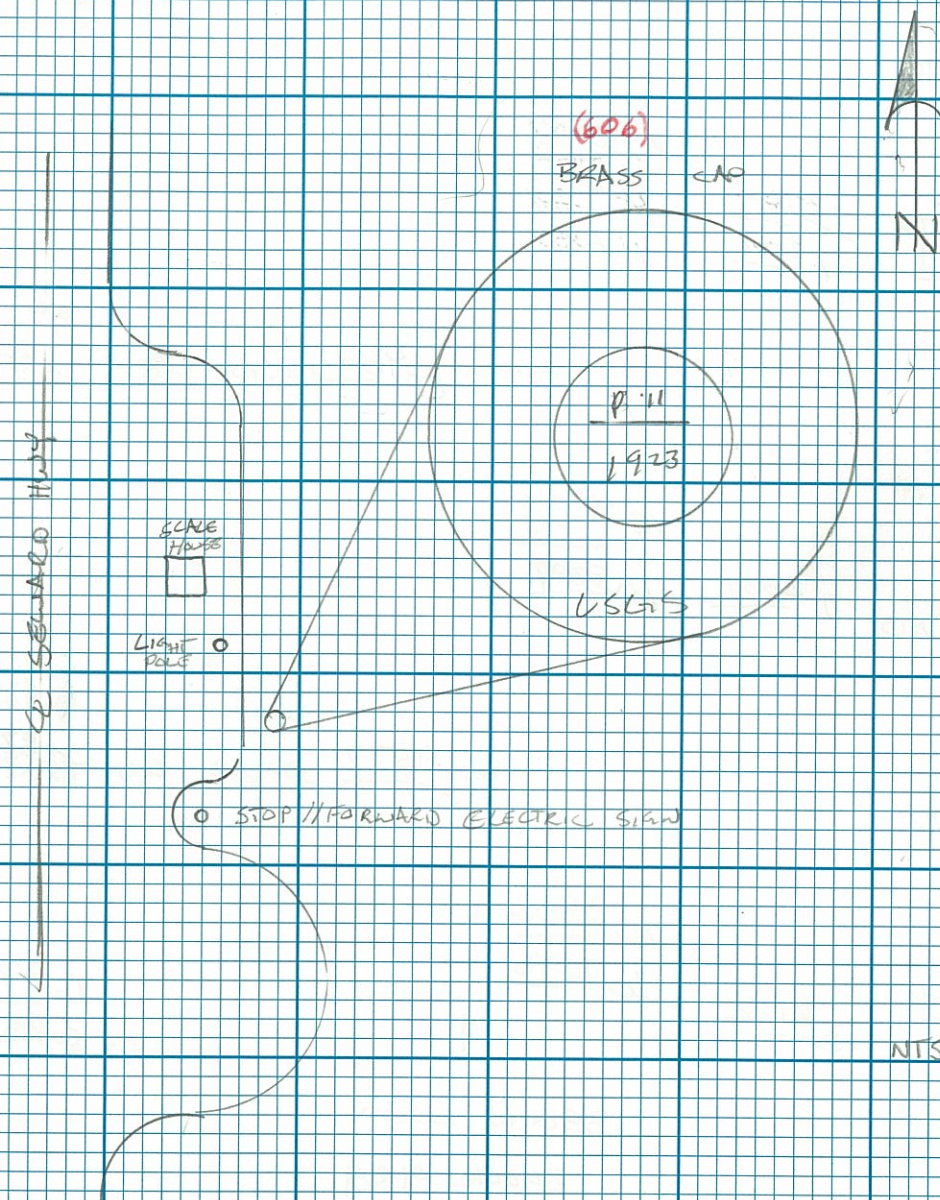
SGT E 1 M AGL 11 09 M ABOVE ASPHALT
2 MP 114 Z SEWARD HIGHWAY

2-15-01

⑧

OVERCAST
23° N WIND 3 KTS
BGN 10 00
END 10 30

ROUSSEAU
BURKHOLDER
KOTTZSCH
LAMB



(9)

LEVEL LOOP
N-73 → P-11 → M-73

STA	+	HI	-	IFS	ELEV
① TP 3 49 25 HD			<u>1864</u> 8501 0		<u>10 2582</u> 9 8401
49 25 HD 49 89	1 2557 1 2544	<u>10 6902</u> 11 1065 11 1053			
② TP 2 48 23			0 9887		<u>9 4354</u> 9 8507
50 93 HD	1 0009	<u>10 4238</u> <u>10 8389</u>			
③ TP 1 50 42 HD			0 9577		<u>9 4229</u> 9 8371
④ 49 5 HD N 73	3 8106	<u>10 3806</u> <u>10 7956</u>	1		<u>6 570</u> 6 183 m
↑					
BEG. N LOOP BLOCK 0129					

2-15-00

(4)

OVERCAST
23° N WIND 25 KTS
BGN 10 30
LEICA NA 2002

REC MOD 5
BLOCK 0129
~~0009~~
0016

ROUSSEAU
BUREKHODER
KOTZSCH
LAMB

PK IN AL * NOTE RESTARTED LOOP
BLOCK 0016

BOLT ON GUARD RAIL POST

BOLT ON GUARD RAIL POST

↑
< N-73 29 >

⑩

LEVEL LOOP

STA

+

HI

IFS

ELEV

④

TP 6

47.56 HD

13969

9592

9.915

50.75 HD

13635

10 9561

11 3711

③

TP 5

48.75 HD

15942

95926

10.0079

50.28 HD

4013

11 1869

11 6021

②

TP 4

48.05 HD

8383

10 7856

11 2008

TP 3

48.3 HD

18038

11 4439

12 0590

10 2552

LOOP ↑ CONT

98401

2-15-01

⑩

OVERCAST

23° N WIND 6 KTS

LEICA NA 2002

ROUSSEAU

BURKHOLDER

KOTZSCH

LAMPS

PK IN AC

PK IN AC

BOLT ON GUARD RAIL POST

11

LEVEL LOOP

STA

+

HI

-

IFS

ELEV

⑦

TP 8

51²⁵ HD

0 8343

~~110522~~
~~114249~~

122642

51²⁴ HD

13538

~~122642~~

⑥

TP 7

52¹³ HD

10602

~~109104~~
~~113377~~

606

P-11

4984

119706

13376

~~123872~~

BEGIN NEW LOOP

10633

⑤

P-11

50⁴⁰ HD

0 5021

~~106450~~
~~0600~~

111471

TP 6
43²⁵

15879

~~115624~~

~~99743~~

LOOP CONT ↑

95592

2-15-01

11

OVERCAST

25⁰⁰ N WIND 5 KTS

LEICA NA 200 C

ROUSSEAU
BORG HOLDER
KONTZSCH
LAMP

BOLT ON GR POST

BOLT ON GR POST

~~10633~~
110522 NGRAD 29
SEE PG 8 THIS BOOK

LENGTH 0.690 km
TOLERANCE 0.010
ERROR 0.0012

ERROR/STA = 0.0013

(12)

LEVEL LOOP

STA

+

HI

-

IFS

BLVD

(10)

TP 11

55³²

12806

~~122877~~

118604

131410

~~135084~~

1380

6093 HD

(9)

TP 10

57⁴³ HD

10948

120028

~~124331~~

131026

~~135291~~

13039

5681 HD

(8)

TP 9

55¹³
HD

10075

117981

~~122260~~

128062

~~132335~~

13815

TP 8

59⁰⁴
HD~~118522~~

114249

LOOP

↑

CONT

2-15-01

(12)

OVERCAST

230 SE WIND 15 KTS

LEICA NA 2002

ROUSSEAU

BORK HOLDER

KOTZSCH

CRMS

BOLT ON G.R. POST

BOLT ON G.R. POST

BOLT ON G.R. POST

(13)

LEVEL

LOOP

STA

+

HI

-

IFS

ELSV

(13)

TP 14

60⁸⁵ AD

14057

123227

11853

133010

59⁹⁴ AD

09396

137284

(12)

TP 13

62⁰³

06300

123614

127887

129914

59⁹⁶ AD

12798

134187

(11)

TP 12

55⁵⁴

12736

12781

117116

129852

TP 11

58⁷³

11248

134125

12387

118604

LOOP

↑

CONT

2-15-01

(13)

OVERCAST

23° SE WIND 15 KTS

LEICA NA 2002

ROUSSEAU

BURKHOLDER

KOLTZSCH

LAMB

BOLT ON GR POST

BOLT ON GR POST

BOLT ON GR POST

(14)

LEVEL LOOP

STA

+

HI

-

IFS

BLK

66 91 HD

14526

13 7994

~~11 2268~~

(15)

TP 16

64 14 HD

4077

0

12 3468

~~12 2741~~

59 79 HD

13740

12 7545

~~13 819~~

(14)

TP 15

60 90

10775

11 3805

~~11 8019~~

61 24

0 5627

12 4580

~~12 8851~~

TP 14

~~12 3227~~

11 8953

CONT.

↑

LOOP

2-15-01

(14)

OVBRAST
23° SE WIND 15 KTS
LEICA N/A 2002ROUSSEAU
BURKHOLDER
KOTZSCH
LAMTB

BOLT ON GR POST

BOLT ON GR POST

(15)

LEVEL LOOP

STA

+

HI

-

IRS

BLBN

BM M 73
435

05820

END LOOP

13 3052
~~13 3055~~

421

12866

14 3048

13 9472

(18)

TP 19

34 86

08270

126606

~~13 0819~~

13 5376

44 18 HD

12197

13 9649

(17)

TP 18

61 95

14215

2 3179

12 7453

60 19 HD

07802

13 7354

~~14 1668~~

(16)

TP 17

62 73 HD

08402

12 9592

~~13 3866~~

14 2268

13 7994

LOOP

↑

CONT.

2-10

(10)

OVERCAST

23° SE WIND 15 KTS

LEICA

END TR 30

PUSSEY

BURKHOLDER

KOLTZSCH

LAMB

13.350

~~13 350~~

NGVD 29

SEE P 16 THIS BOOK

ERROR

LOOP DIST

TOLERANCE

0.0152

~~0.0165~~ m

2.1488 km

0.0176 m

CORNER OF LARGE BULDER

BOLT ON GR POST

BOLT ON CTR. POST

(16)

FND MON

(613)

FND BRASS CAP
 SET IN ROCK MKD PLT 3 HIGH
 0.1 MILE E OF ROCKY POINT
 ON INSIDE OF CURVE IN HWY
 AND A LONE HILL ON S SIDE
 OF ALASKA RAIL ROAD
 AT BASE OF ROCK OUTCROP
 ON EAST SIDE OF RD $\leftarrow$ SEWARD HWY
 $\approx$ MP 113^B SEWARD HIGHWAY

2-10-01

(16)

OUBREAST
 23⁰⁰ SE WIND 15¹⁰⁰

BGN 14 30
 END 15 00

ROJESSAN
 ROKKHOLOGE
 KAITZSCH
 LAMB

(613)

M 73

1964



N.T.S.

SET PLN TO THIS BK

ROUSSEAU
 BURKHOLDER
 KONTZSCH
 ZIMMER

(18)

LEVER LOOP

STA

+

H1

IFS

BLVD

(3)

TP 6

59.51 HD

09791

12/330

12/554

13/121

58.52 HD

12337

13/538

(2)

TP 5

60.51 HD

08895

11/8784

12/2045

12/1079

59.50

09592

13/1940

(1)

TP 4

60.07 HD

13149

11/2087

12/2318

13/1236

TP 3

59.89 HD

0388
54785497
15/5387

12/0848

12/5109

LOOP

CONT

2-15-01

(10)

OVERCAST

23° SE WIND 25^{AD}

LEICA NA 2002

0029

RESEAL

BERKHOLDER

KATZSCH

LAMB

BOLT ON GR POST

BOLT ON GR POST

BOLT ON GR POST

(20)

LEVEL LOOP

STA

+

HI

-

IFS

ELEV

LOOP CONT P 22 THIS BK

END DAY

TRM 2

TRM 2

2962

1 9097

~~11 3205~~ ADJ.

11 3296

10 8986

12 8083

~~13 2343~~

35 4549

1 0736

TP 10

60 140 110

1 0733

11 7347

~~12 1600~~

12 8080

~~13 2340~~

TP 9

58 53

16786

11 1294

~~12 5551~~

↑
LOOP CONT.

2-15-01

(21)

OVERCAST
23° SE WIND 23 KTS
LEICA NA 2002

END 16:20

ROUSSEAU
BURKHOLDER
KATZSCH
LAMB

1932
1 KM

SET 5/8" REBAR ON NORTH SIDE OF SEWARD HWY
CENTER OF PULLOUT ± 15' FROM E.P.

0.81 M S OF 1" X 2" BOULDER MKD TRM PINK PAINT
E MP 175.3 113.1

(21)

PEG TEST
CEICA NA 2052 SN 94525

STA + 41 - HFS ELGU

NO ADJUSTMENT

A

1 4249

99 9994

B

1 3988

101 4243

B

101 4113

1 3858

100 0255

A

1 4113

100 0000
ADJUST

2-16-01

OVERCAST
30° SE WIND 10 MPH
GUST TO 25 MPH
BGN 9 00
END 9 30

REC MOD 3

ROUSSEAU
KOITZSCH
BURKHOLDER
LAMIS

B 101 2ND SETUP

1ST SETUP
↑

150 METERS

A 101

24

LEVEL LOOP

TBM 2 → K-73

STA

③

TP 3

62⁸⁰ HD

HI

IPS

ELEV

11 9258~~12 3513~~0 953612 8794~~12 8559~~64⁹⁰ HD1 1031

②

TP 2

62²⁴ HD1 027711 7763~~12 2023~~12 8040~~13 3300~~53³⁰ HD1 5869

①

TP 1

64⁸⁵ HD1 494911 2176~~11 6436~~

②

TBM 2

57⁴² HD1 813912 1125~~13 1385~~11 320* NIS
~~11 3246~~
10 8286

CONT. FROM P 20

2-16-01

L-16-01

OVERCAST
30° SE WIND 10 MPH
GUST TO 30 MPH
LEICA NA 2002ROUSSEAU
BURKHOLDER
KONTZSCH
LAMBS

BOLT ON GR POST

BOLT ON GR POST

BOLT ON GR POST
A C

(B)

LEVEL LOOP

STA

(6)

TP 6

6085 HD

H1

IFS

BLEU

12216

~~12 9408~~
12 5148

13 7364

6094 HD

○ 9363

~~14 1624~~

(5)

TP 5

6281

○ 4984

12 8001
~~12 2261~~

13 2985

12767

13 7415

6081
HD

(4)

TP 4

5996 HD

○ 9137

12 0218
~~12 9478~~

12 9355

TP 3

6287 HD

10097

~~12 3615~~

11 9258
~~12 3178~~

LOOP CONT

L-16-01

(C)

OVERCAST
30° SE WIND 10 ^{MPH}
GUSTS TO 30 ^{MPH}
LEICA NA 2002

ROUSSEAU
BURKHOLDER
KOTZSCH
LAMB

BOLT ON GR POST

BOLT ON GR POST

BOLT ON GR POST

(24)

LEVEL LOOP

STA

+

HI

-

IFS

ELEV

(9)

11 5696

10862

~~119956~~

TP 9

5730₁₁₀12 655861 ⁴⁵₁₁₀0 8069~~13 0818~~

(8)

11 8429

TP 8

62 ⁶²₁₁₀

11613

~~12 0818~~13 010259 ⁰⁹₁₁₀0 8123~~13 4562~~

(7)

12 1979

TP 7

59 ¹⁹0 9166~~12 0818~~13 1145

TP 6

60 ⁹²0 5997~~13 5148~~12 940812 5148

LOOP

↑

CONT.

OVERCAST

30° SE WIND TO ^{MPH}GUSTS TO 30 ^{MPH}

LEICA NA 2002

(27)

RUSSEAU

BURKHOLDER

KOTZSCH

LANG

BOLT ON GR POST

BOLT ON GR POST

BOLT ON GR POST

(23)

LEVEL LOOP

STA	I	H1	IFS	ELEV
(12)				
TP 12			09608	12002 11662
59 51 HD				
		126250		
58 69	12247	130509		
HD				
(11)				
TP 11			07945	11403
58 47				11826
		121948		
57 95	09189	125021		
40				
(10)				
TP 10			10670	112759
57 09				11701
		123429		
TP 9	07733	127688		
54 44 HD				119936 115606
			↑	
		LOOP	CONT	

2-16-01

(25)

OVERCAST
35° SE WIND 15 MPH
GUSTS TO 30 MPH
LEICA NA 2002

POUSSEAU
BLACK HALLS
KONTZSCH
LANGE

BOLT ON GR POST

BOLT ON GR POST

BOLT ON GR POST

(26)

LEVEL LOOP

STA + III - IPS ELV
 (15) END DAY TOO WINDY
 K 73 05089
 2200 ~~11 9180~~
 11 4926

16 14 9565
 HD 0 12 000
~~12 4269~~

(14) TP 14 7697
 58 88 HD 0 11 0445
~~11 4781~~

59 12 HD 0 11 2442
 0 9349 ~~12 2401~~

(13) TP 13 15982
 57 14 HD 0 10 8793
~~11 3052~~

TP 12 8133
 HD 60 8075 12 9034
~~12 8076~~
 11 6642

LOOP ↑ CONT

02-16-01

(26)

OVERCAST
 35° SE WIND 15 mph
 GUSTS TO 30 mph
 BICA NA 2002
 END 1200

REUSSEAU
 BURKHARDT
 KUTZSCH
 LAMB

11 415
 (1 989) WIND 29 DIST 2.916 K
 TOL 0.0205 SEE PG 27 THIS BK
 ERROR 0.0016 M
 0.0176 M

BOLT ON GR POST

BOLT ON GR POST

(27)

FOUND MON

(607)

END BRASS CAP 10cm DIA
 MKD K-73 1964
 ON NORTH SIDE OF SEWARD HWY
 66 1/2 ~~MI~~ E OF RR MP 97

MOUNTED IN ROCK

32cm DIA SPUR 5W 1.8 m

CARBONITE POST 5 2 m

2 MP 112 - SEWARD HIGHWAY

2-11-01

(27)

OVERCAST
 5°C SE WIND 20 km/h

RAN 845
 END 900

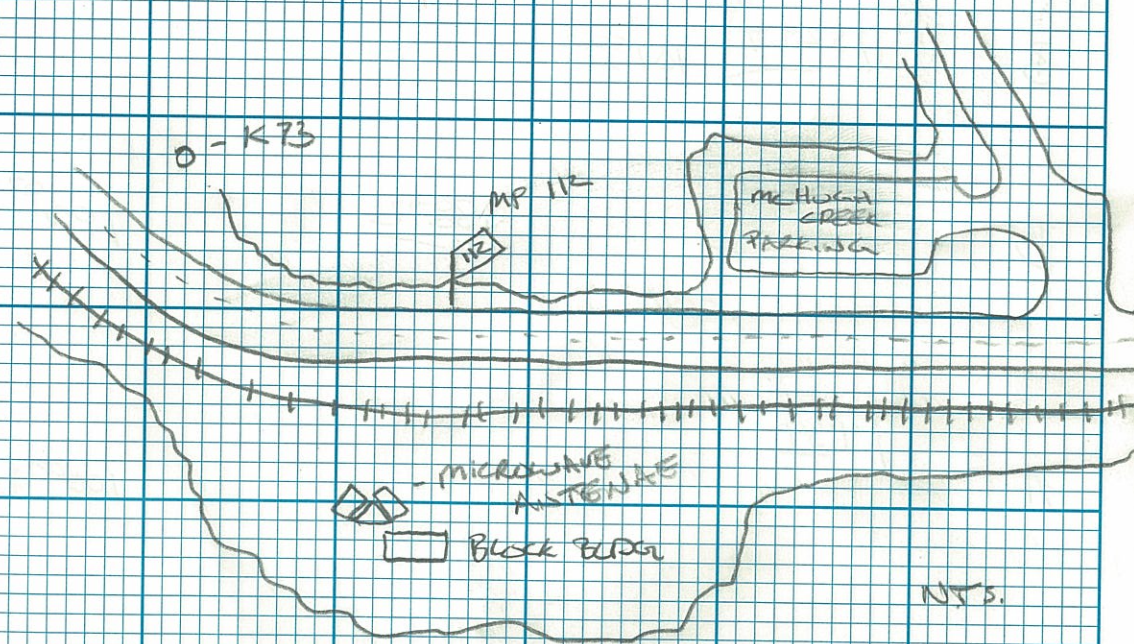
ROSSER
 SCHMIDT
 BURKHARDT
 KOTTSCHE

A
 N

(607)

K 73

19 64



(20)

PEG TEST
LEICA NA 2022 SN 94525

STA + III - IRS RELEV

NO ADJUSTMENT

A 15558 100 0001

B 15297 101 5559

B 13872 100 0260

A 14134 100 0000

2-17-01

(20)

HIGH OVERCAST
4°C SE WIND 20 KMH
BGN 9 00
END 9 30

ROSSER
SCHMIDT
BIRCHALLER
KOTZSCH

B T 2ND SETUP

1ST SETUP
T
50 METERS

A

29

LELBLE LOOP
K-73/135/135/5-73

STA	+	11	-	IFS	BL
③					
TP 2			10419		11 2265 11 2265
61 ²⁸ HD					
		12 2679			
62 ⁰⁵ HD	0 7064	12 2019			
②					
TP 1			12949		11 5615 11 9956
62 ⁴⁰ HD					
		12 9564			
61 ¹⁷ HD	15290	13 3904			
TP ①					
①35			14001		11 8614 11 4274
60 ²¹ HD					
⑩					
K-73	1 3525	13 2613			
35 ³² HD	6309	12 5399			
70 ⁰⁰ HD	0	12 8279			11 929 11 415

BLW LOOP

29

PARTLY CLOUDY
4C SE WIND 25^{KMH}
LEICA NA2002
BLW 9:30

2 BACK
32

RAISSAU
SCHMIDT
BURKHARDT
KOTZSCH

BOLT ON GR POST

BOLT ON GR POST

AK DOT PLASTIC AP

SGG PG 27 T/Hs BK

↑
Conv.

~~Bolt~~ on G/L Post

Boat and GR Post

Bolt on the Pass

CONT

RUSSAU
SCHMIST
BURKHOLDER
KOTTSON

PK in AC

RESULT ON GR POST

BOLT ON G.R. POST

LEVEL LOOP					
STA	+	HI	-	IFS	ELFJ
(12) TP 10 6121			12525		11546 11 <u>1124</u>
6225	5656	12 <u>3649</u> 12283	0506		
(11) TP 9 6325 HD			14450		12332 11 <u>1093</u>
6253 HD	15549	13 <u>2443</u> 13678			
(10) 133 136 1821			14445		12112 ADJ 12 <u>1053</u> 11 <u>6894</u>
TP 8 1814	16231	13 <u>1839</u> 13418			11945 11 <u>568</u>
↑ LOOP ↑ CONT					

PARTLY SUNNY 4°C SE WIND 25 km/h BECA NA 2002					
REISSER SCHWIDT BURKHARDT KOPFESCH					
BOLT ON GR POST					
BOLT ON GR POST					
END 5/8" ZERRAR					

(52)

LEVER LOOP

67A

(15)

TP 13

42⁰⁹

17638

~~12 0540~~
11 6302

4603

16154

13 3940
~~138278~~

(14)

TP 12

6083

11414

11 7786
~~12 2259~~

6212

2 024312 9200
~~133539~~

(13)

TP 11

60⁷⁹₄₀

14801

10 8957
~~113256~~

TP 10

61¹²₄₀

12634

12 3758
~~128097~~~~11 5463~~
11 1124

LOOP

↑
CONST.

2-17-01

(53)

LIGHT OVERCAST
4°C SE WIND 25 KPH
LEICA NA 2002RADSSAD
SCHMIDT
BURKHARDT
KOTTZSCH

PK IN AC

PK IN AC

PK IN AC

↑

LEBL LOOP

STA + HI - IPS ELEV

J-73
3032

0 7457

~~12 8219~~
11 8241

↑
TP 13
3080

10096

12 ~~6398~~
13 ~~6396~~

~~12 6310~~
11 6302

↑
LOOP CONT

SCATTERED CLOUDS
5°C SE WIND 25 KMPH
LEICA NA 2002

ROUSSEAU
SCHMIDT
BURKHOLDER
KOTZSCH

LOOP LENGTH 18 K
TOLERANCE: 0.01 m
ERROR ~~0.0074~~
0.0141

11 280
12 320 NGVD 29 BRASS MON SEE PG 35 THIS BK

FOUND MON

(608)

FIND 10CM DIA BRASS CAP

SET IN BACK OF LARGE

ROCK OUTCROP 75M W OF TURNPIKE

25M N OF SEWARD HIGHWAY

0.15 MILES EAST MP III SEWARD HWY

MKD 5-73 1964 USGS

2-17-01
MOSTLY SAND
5°C SE 4140 20 KM
2

(55)
ROBERT
SCHMIDT
BURKHOLDER
KOTZSCH

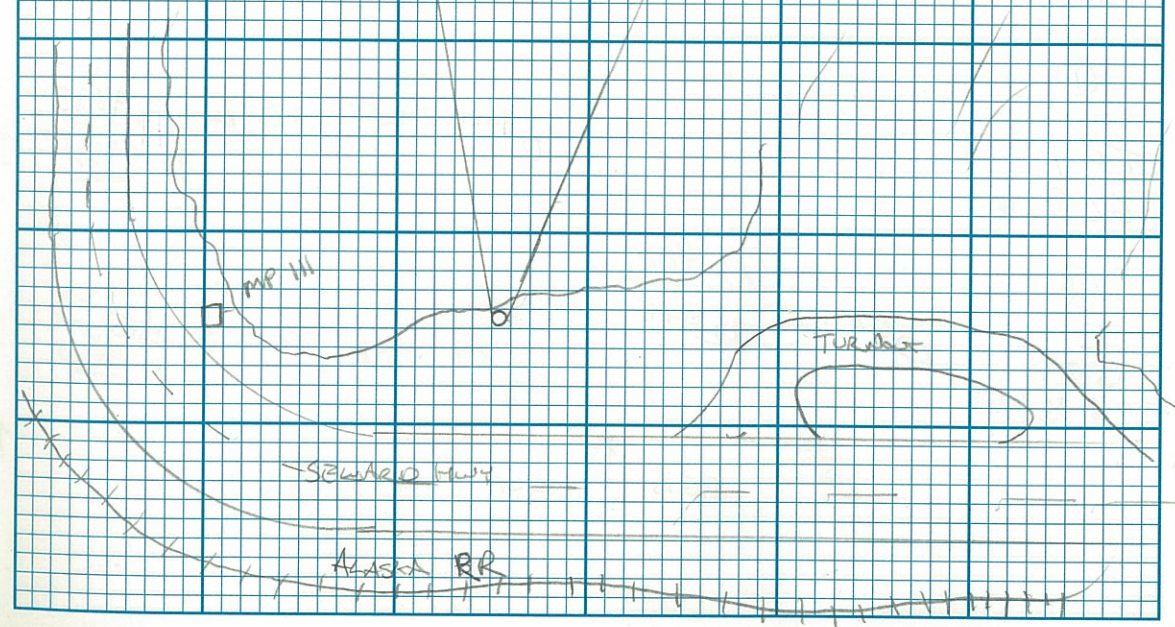
(608)

5-73

19 64



NTS



LEVL LOOP
5-73/130/473

STA 1 HI - IRS ELEV
(3)
TP 3 0065
72¹⁵ HD 11 ~~932~~
11 4912

72⁰⁸ HD 0 9244
12 4977
12 ~~9316~~

(2)
TP 2 0 9266
76²⁴ HD 11 5728
12 ~~0128~~

74²⁴ HD 1 0000
12 4994
12 ~~9399~~

(1)
TP 1 0 9017
62³³ HD 11 ~~9395~~
11 4994

(10)
5-73 0 5211
61³⁴ HD 12 4011
12 ~~8411~~
11 8800

BGN ↑ LOOP

MOSTLY SOLID
5° C SE WIND 20 KPH
LGICA NA 2002

RUSSEN
SCHMIDT
BURKHOLDER
KOITZSCH

032

BOLT ON GR POST

BOLT ON GR POST

BOLT ON GR POST

NGWS 29
SEE PG 35 THIS BK

12/

LEVEL LOOP

STA

+

111

TP5

BLVD

⑥

TP6

72²⁰₄₀

0 6233

~~12 8111~~
12 3700

7437

25472

12 9933
~~13 4331~~

⑤

TP5

73⁴⁶₄₀

14671

10 4461

~~10 8861~~

72⁹³₄₀

13780

11 9132
12 3532

④

TP4

73⁷⁶₄₀

18297

~~10 9752~~
10 5352

TP3

40 7232

0 8730

12 5649
~~12 8444~~

~~11 9742~~
11 4912

↑
LOOP

CANT

MOSTLY SUNNY
7°C SEWING 25 KM
LEICA NA 2002

2-11-01

ROSSIGNOL
SCHWAB
BURKHARDT
KATZSCH

PK IN AC

PK IN AC

PK IN AC

LEVEL LOOP

STA	+	HI	-	IPS	ELFV
TP8 (9)					
37 ⁵² HD			21870		13 1356 12 6935

46 ²⁷ HD	8703 18073	14 2805 25 3257			
------------------------	--------------------------	-------------------------------	--	--	--

(8) 130 3069			15516		13 447 ADJ 13 4503 13 0102
--------------------	--	--	-------	--	--

(8) PKS 3597 HD	14663	14 5610 15 0014			
--------------------------	-------	-------------------------------	--	--	--

(7) TP7 71 ⁴¹ HD			23711		13 5516 13 0935
--------------------------------------	--	--	-------	--	-------------------------------

TP6 71 ³⁶ HD	19629	14 3329 14 7734			12 8101 12 3700
-------------------------------	-------	-------------------------------	--	--	-------------------------------

CONST LOOP

MOSTLY SUNNY
7°C SE WIND 25 km/h
ZEICA NA 2002

UL-17-01

58

ROSSOW
SCHWINGST
BURKHOLDER
KOTTZSCH

PK INS AC

RED PLASTIC CAP AK DST

RED PLASTIC CAP AK DST

PK INS AC

☆ ☺

LEVEL LOOP

STA	+	HI	-	IPS	BLN
②					
TP 11			4923		12 5285 12 0384
7362					
7249 _{HO}	3619	13 5807 14 9207			
①					
TP 10			6404		12 6589 12 2488
719 _{HO}					
7450 _{HO}	13942 13939	14 2993 14 2985 13 8592			
⑩					
TP 9			5970		12 9051 12 4650
737 _{HO}					
TP 8					
7363 _{HO}	3685	14 0620 14 5501			13 1856 12 6935

LOOP

↑
CONST

2-17-01

(39)

MOSTLY SUNNY
7°C SE WIND 25 KMH
LEICA NA 2002

ROSSIGNOL
SCHMIDT
BIEKHOFER
KOITZSCH

PK IN AC

PK IN AC

PK IN AC

		LEBL	LOOP		
STA	+	HI	-	TPS	BLBY
H 73 1301			12741		13 1119 13 3318
1058	16012	146059 15 0560	16 0412		
(4) TP 13 4312			12729		13 0017 13 4118
52 98 110	17012	14 2141 14 2746			
(2) TP 12 48 39 110			13060		12 9505 12 5104
TP 11 5681 110	17280	13 8164 14 2566			12 5285 12 0084
		LOOP	CONT.		

SUNNY 6° SE WIND 25 km/h IBICA NA 2002 END 2 45	2-17-01			40 BOUSSEAU SCHMIDT BURKHOLDER KOTTZSCH
13 322 13 7007	NGVD	29	SEBPA	42 THIS B/C
	LOOP LENGTH	186 m		
	TOLERANCE	0.0162		
	ERROR	0.0069		0.0098
PK IN AC				
PK IN AC				

PEG TEST
 LBICA NA 2002
 SN 94525

STA + H 1 - TFS BLUE

NO ADJUSTMENT

A 1 6261 100 0003

B 1 5993 101 6264

B 1 4848 100 0000

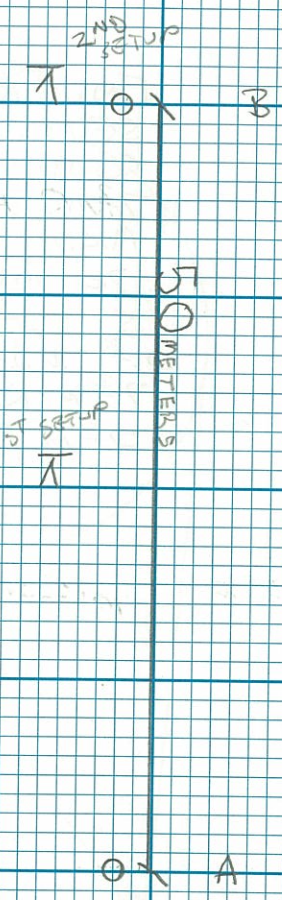
A 1 5119 101 5119 100 0000
 Assume

2-14-01

(41)

MOSTLY CLOUDY
 4°C SB WIND 15km
 RAIN 9 00
 BWD 9 30

ROUSSEAU
 KOTTZSCH
 LAMB



FOUND MON

USGS H-73

(609)

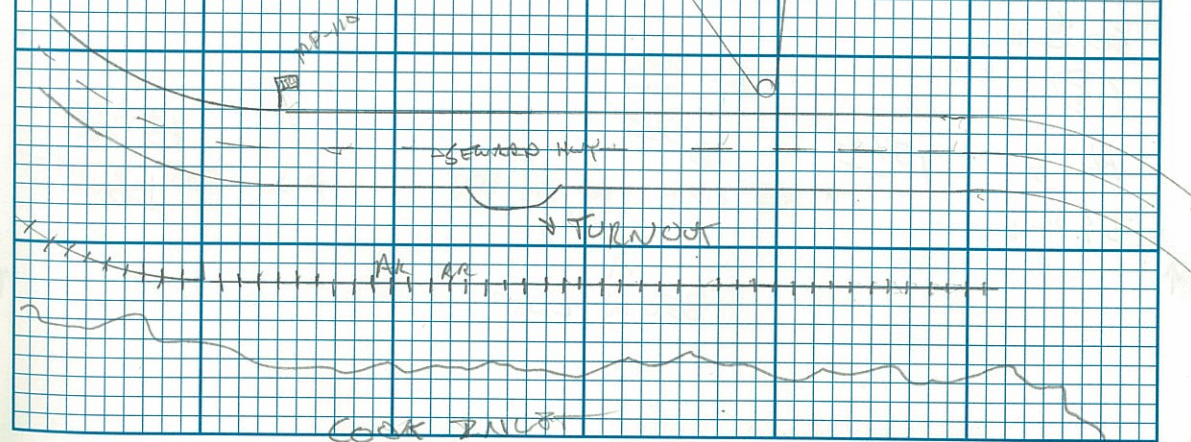
FIND 10CM DIA BRASS DISK
SET IN OUTCROP ON
SOUTHERN FACE OF A
7²M VERTICAL ROCK CUT
MID H-73 1964
70 M EAST OF TURNOUT ON
S SIDE OF HIGHWAY
0.5 MILE EAST HWY MP 110
7²M N OF EP.
0²M BELOW AC.

OVERCAST
5⁰ C SE WIND 18 KPH
BON 9:30
ZUL 9:45

(42)
ROUSSEAU
KOITZSCH
LAMB

(609)

H 73
1964



LOVE LOOP

H-73 → R-II

STA

(3)

TP 3

70 48

72 44 HD

(2)

TP 2

61 28

60 05 HD

(1)

TP 1

60 46 HD

(15)

H-73

59 32 HD

H/I

IFS

TELE

17237

~~14 44 17~~
14 0167

17968

15 7409
~~16 1831~~

14511

13 3436
~~14 3266~~

18292

15 4007
~~15 8438~~

12925

13 5715
~~14 0415~~

15410

14 8080
~~15 3134~~

13 3222
~~13 7655~~

↑
BEG IN LOOP

OVERCAST
4°C SECTING 20 km
LEICA NA2002
BOW 9:45

P. BLOCK
0049

ROUSSEAU
KOLTZSCH
LAMB

PK IN AC

PK IN AC

PK IN AC

NGVD 29 SEE PG 42 THIS BK

(14)

LEVEL LOOP

STA	T	HI	-	WFS	ELCU
⑥					
TP 6					
69.51			16991		145137 140706

68.70	13638	15 7697 162128			
-------	-------	---	--	--	--

⑤					
TP 5					
75.89			17911		14 4059 140110

69.03	16900	16 2030 166161			
-------	-------	---	--	--	--

④					
TP 4					
65.94			13401		149881 145130

TP 3	18364	15 8531 162962			141517 140167
74.33					

LOOP CONT.

2-19-01

(15)

OUBROCK
5°C SE WIND 18 km/h
LBICA NA 2002

ROSSER
KONTSON
LAMB

PK IN AC

PK IN AC

PK IN AC

LEUCL LOOP

STA
⑨
TP 9
7061

+

111

-

IFS

BLU

16069

153600
149174

69³² HD

18958

16 5243
16 9676

⑧
TP 8
7596

14646

146285
159740

7129 HD

2 0076

16 0931
16 5353

⑦
TP 7
7537 HD

16921

145286
140855

TP 6
6786 HD

17070

15 7176
16 2251

145286
140706

↑
LOOP CONT

SURCAST
50C SE WIND 20K
LEICA NA 2002

ROUSSEAU
KOTTZSCH
LAMB

PK WAC

PK WAC

PK WAC

16

LEVEL LOOP

STA

(12)

R 11

MON

23²⁰

28³⁵ HD

(11)

TP 11

72²³ HD

76⁵⁴ HD

(10)

TP 10

74²¹ HD

TP 9

70³⁶

+

HI

-

TPS

BLUJ

400 P CONT. P 48 THIS BK

02324

~~174420~~
16 9989

16777

~~176194~~

17.2363

14129

15 5586
~~16 0018~~

16 9715

19368

~~174147~~

15986

~~18 9779~~
15 0347

16 6333

17159

~~17 0765~~

~~15364~~
14 9174

↑
LOOP CONT.

2-19-01

BROKEN OVERCAST

5°C SE WIND 18 KMH

LEICA NK 2002

ROUSSA

KOITZSCH

LANG

FIND BRASS MON SEG PG 47 THIS BK

~~17 439~~
16 9973 NAVD 29

LOOP LENGTH 15828 km
ERROR ~~0.0030~~ m
TOL 0.0151 ✓ 0.0059

PK IN AC

PK IN AC

FNO MON
USGS R 11
19 23

(610)

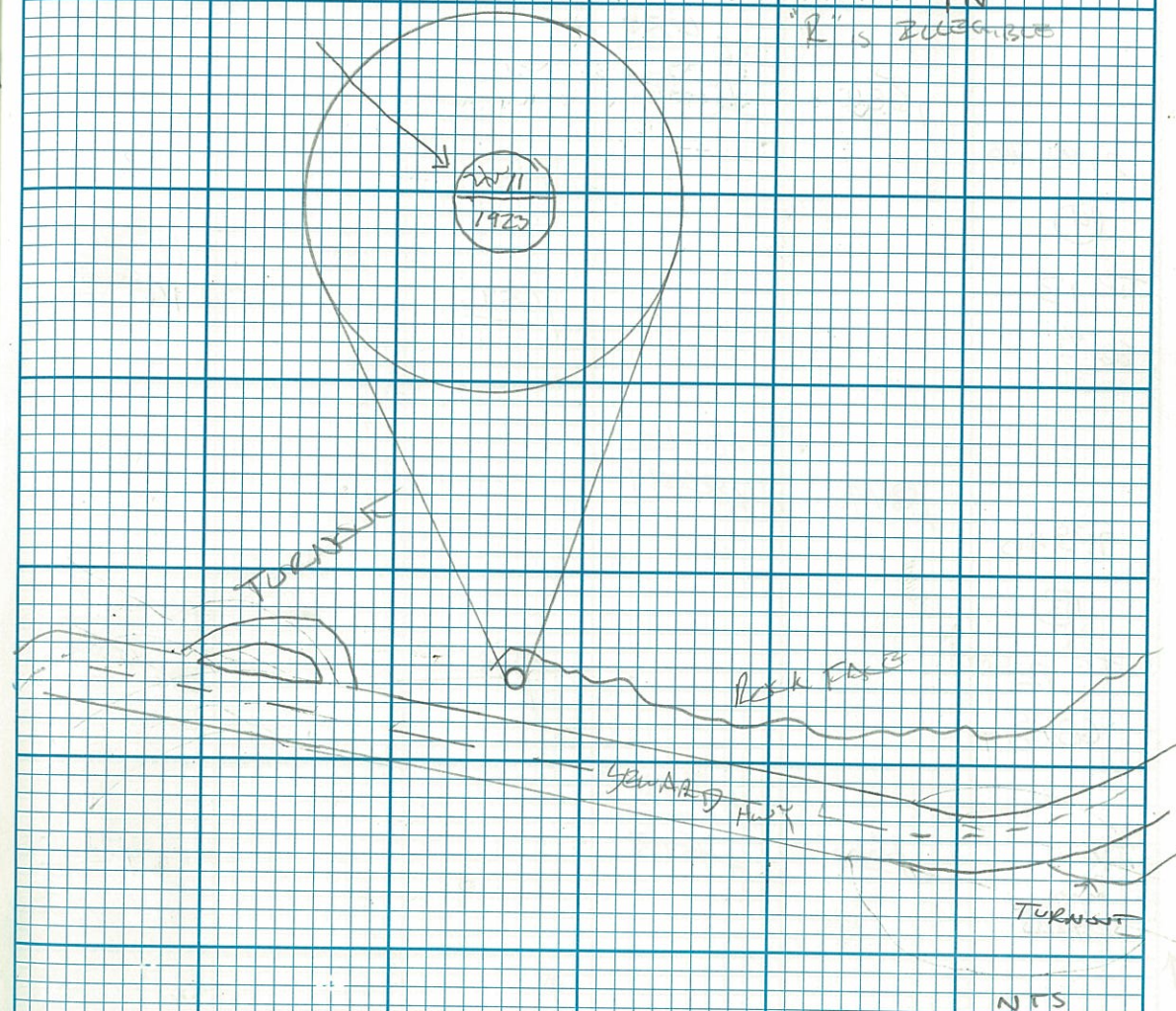
FNO BRASS CAP 10cm DIA
MOUNTED VERTICALLY IN ROCK FACE 8m TALL
85cm ABOVE GROUND
25m EAST OF TURNOUT
300m WEST OF TURNOUT ON S SIDE HWY
15m FROM EP NORTH OF HWY
MKD "11 1923"
≈ MP 108⁹ DELANDER HIGHWAY

MOSTLY CLOUDY
5°C SE WIND 20km/h

ROUSSEAU
KONTZSCH
LAMB

(610)

NOTE CAP IS PARTLY OBLITERATED
"E" IS ILLEGIBLE



(71)

PEG TEST
LEICA NA2002
SN 94525

STA + HI - VFS ELEV

NO ADJUSTMENT
ERROR 0 ⁰⁰⁰³

A

15765100 ⁰⁰⁰³

B

15488101 15768

B

14376100 ⁰⁰⁰⁸

A

14656101 14656100 ⁰⁰⁰⁹

<ASSUMED>

2-20-01

(71)

HIGH OVERTEST
4°C CALM

BWD 9:00

GWS 9:30

ROSSER
KOLTZSCH
BURKHOLDER
LAMPS

2ND SETUP
B

1ST SETUP
A

50 METERS

A

S/A	T	H/I	-	F/S	ELEV
(3)					
TP 3 68 ⁰⁰			14688		16 8032 16 3571
73 ³¹	15088	17 8262 18 7721			
(2)					
TP 2 7098			15247		16 3174 16 7633
7044 HD	22392	17 8421 18 2880			
(1)					
TP 1 68 ⁷² HD			16773		15 6029 16 0188
(15)					
Bm R 11 73 ²⁵ HD	2872	17 2802 17 7262			17 439 16 9723

BGN $\uparrow$ LOOP

HIGH OVERCAST
SE WIND 15 KMH
LEICA NA 2002
4°C
BEGIN 10:00

22C MOD 3

Block 0049

BGN 10:00

PK in Ac

PK in AC

PK IN AC

NGVD 29

SEE PG. 47 THIS BK

ROUSSEAU
KORTZSCH
BURKHOLDER
LAND

STA	+	HI	-	IFS	ELSV
(15) (TPG) TP13				15204	163296 158725
7067 NO		173929			
6937 HD	16940	178200			
(14) (TPG) TP12				18967	156989 161560
7173		175956			
7008	17156	180526			
(13) (TPG) TP11				16863	158820 163390
7016		175683			
TP10	17002	180253			
6874					163751 158601
		↑ LOOP		CONT	

OVERCAST
4°C SE WIND 25 km/h
LEICA NA 2002

ROUSSEAU
KOTZSCH
BORKHAUSER
CAMB

↑
CONT

PND, RED PLASTIC CAP ON $5\frac{1}{8}$ " REBAR AK DOT

PK INS AC

END MON

G 73 RESET
1981

(618)

END RANGES DISC 1000 DIAM

MINED IN ROCK @ BASE IS ~ ROCK FACE
27 m NE MP 108 SEWARD HLY

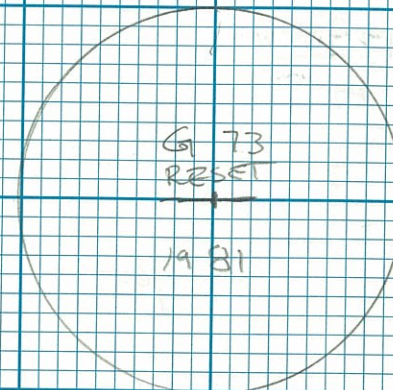
OVERCAST
LIGHT SHOWERS
6°C SE WIND 18 KMH
LCA NA 2502

L-LO-01

(57)

ROJESSAN
KATZSCH
BURNHOLTER
LEWIS

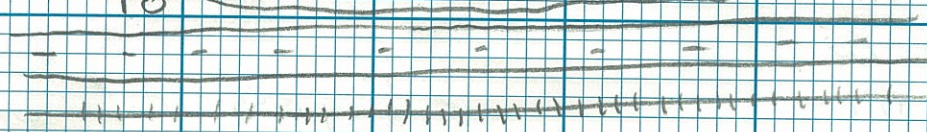
108 (618)



108
O X G-73 RESET

ROCK FACE

SEWARD HLY
AK RR



(54)

LEVER LOOP
G-73/402/401/124/506/F73

STA	+	HI	-	IFS	ELG
③					
TP 3			13601		161250 15 <u>6766</u>
6899 HD					
		16686	170367 174457		
6955 HD					
②					153621 1582
TP 2			16085		
6498 HD					
		15683	169766 174756		
7127 HD					
①					154083 158003
TP 1			17533		
40 42 HD					
①6					16350 163140 15 <u>857</u>
81 G73 R3501 4430 HD		130416	171616 176180		
			BGN	↑ LOOP	

L-20-01

(55)

OVERCAST
LIGHT SHOWERS
SENE WIND 18 KTS
LEICA NA 2002

BACK 0101

ROUSSEAU
KONTZSCH
BORKHOLTER
LAMB

PK SET IN AC

PK IN AC

PK IN AC

↑
HOLD BL END IN PREVIOUS LP PK 53 THIS BK

↑
CONT

PK IN AC

(61)

LBUCL LOOP

STA

(12)

TP 10

6967

+

HI

-

IFS

ELEV

164429

~~169000~~

17058

6835

22902

181487

~~186087~~

(11)

TP 9

7092

12059

158565

~~168185~~

6912

13327

170624

~~175194~~

(10)

401

3066

16663

16118 A-25 ✓

~~161861~~

157297

TP 8

3237

16317

173960

~~178530~~~~162210~~

1571643

LOOP

↑
CONT.

OVERCAST

LIGHT SHOWERS

5°C SE WIND 18 KMH

LEICA NR 2502

PK IN AC

PK IN AC

MAG NAIL IN AC <GPS POINT>

2-0-01

(61)

ROSESEA

KATZSCH

BORKHOLTER

LAMB

104

LEVEL LOOP

STA + HI - IF3 ELEV

(15)

TP 12

6855

17283

~~15 8137~~
15 2167

6969

(14)

TP 11

6973

2 1433

15 6941
~~16 1511~~

7657 HO

(13)

122
I P29

1396 HO

17367

17 8374
~~18 2914~~

19018

~~16 541 107~~
~~16 5577~~
16 1007

TP 10

1540 HO

15596

18 0025
~~18 1545~~

~~16 9006~~
16 4429

LOOP CONT.

OVERCAST
LIGHT PRECIP
5°C SEWING 18MM
LEICA NA 2002

ROUSSEAU
KOTTZSCH
BURKHOLDER
LAKES

RK NW AC

PK NW AC

YELLOW PLASTIC CAP ON RESER AL DST (GPS ST)

STA	+	H1	-	IF5	BLEV
-----	---	----	---	-----	------

TBR
F T3
6 69

11750

$$\begin{array}{r} 2598 \\ 20 \overline{) 2598} \\ \underline{20} \\ 598 \\ 20 \overline{) 598} \\ \underline{40} \\ 198 \\ 20 \overline{) 198} \\ \underline{180} \\ 18 \end{array}$$

388-410

29291

$$\begin{array}{r} 21 \overline{) 4348} \\ \underline{21 \overline{) 8918}} \end{array}$$

3
TP 15
10 98

0.5295

$$\begin{array}{r} 18 \overline{) 5057} \\ \underline{18 \overline{) 967}} \end{array}$$

TP 141
1303

26223

190392
~~194923~~

$$\begin{array}{r} 16 \overline{) 256} \\ \underline{16} \\ 96 \\ \underline{96} \\ 0 \end{array}$$

LOOP	↑	CONST
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20
21	21	21
22	22	22
23	23	23
24	24	24
25	25	25
26	26	26
27	27	27
28	28	28
29	29	29
30	30	30
31	31	31
32	32	32
33	33	33
34	34	34
35	35	35
36	36	36
37	37	37
38	38	38
39	39	39
40	40	40
41	41	41
42	42	42
43	43	43
44	44	44
45	45	45
46	46	46
47	47	47
48	48	48
49	49	49
50	50	50
51	51	51
52	52	52
53	53	53
54	54	54
55	55	55
56	56	56
57	57	57
58	58	58
59	59	59
60	60	60
61	61	61
62	62	62
63	63	63
64	64	64
65	65	65
66	66	66
67	67	67
68	68	68
69	69	69
70	70	70
71	71	71
72	72	72
73	73	73
74	74	74
75	75	75
76	76	76
77	77	77
78	78	78
79	79	79
80	80	80
81	81	81
82	82	82
83	83	83
84	84	84
85	85	85
86	86	86
87	87	87
88	88	88
89	89	89
90	90	90
91	91	91
92	92	92
93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

OVERCAST
LIGHT PRECIP
5°C SE WIND 18 km/h
LEICA NA 200C
END 15 30

ROUSSEAU
KOTZSCH
BURKHOLDER
LAMB

LENGTH 2 434 km
TOLLERANCE 0.076
ERROR 0.049 0.0138

$$20 \overline{) 246}$$
~~20702~~

$\langle \text{NGVD } 29 \rangle$

SEE PG 68 THIS BSK

6" RAILROAD SPIKE

(64)

PEG TEST
LEICA NA 2002 SN 94525

STA + HI - IPS ELEV

NO ADJUSTMENT

A

15732100⁰⁰⁰¹

B

154441015733

B

15032100⁰²⁸⁹

A

153211015321

100
(ASSUMED)

2-21-01

(65)

OVERCAST
6°C CALM

BAND 945
END 0

ROUSSEAU
KOLTZSCH
BURKHOLDER
LAMAR

2ND SETUP
A B O X

1ST SETUP
A

50M

A O X

(604)

FND MON

USGS FTS

1963

(604)

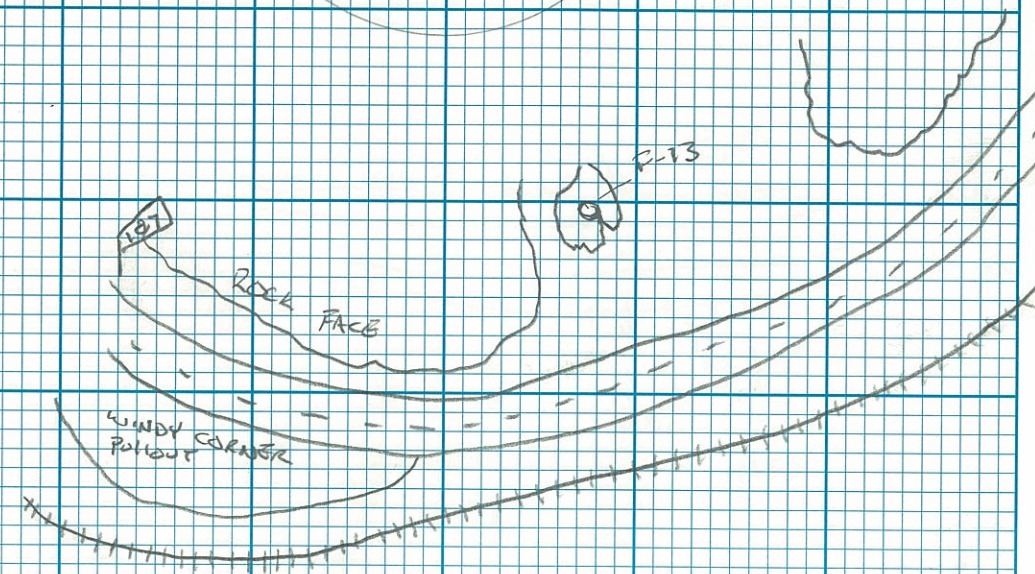
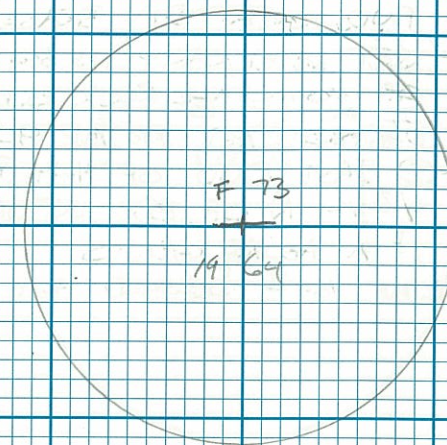
- FND 10CM DIA BRASS DISK
- SET IN ROCK OUTCROP
- $\approx$ 50 m EAST OF WINDY CORNER
- @ NW END OF PARKING AREA
- $\approx$ 84 m N OF & ACROSS HWY FROM A MICROWAVE BUDN
- $\approx$ 20 m N W & E SEWARD HWY
- $\approx$ 6 m HIGHER THAN HWY
- $\approx$ MP 106 $\approx$ SEWARD HWY

2-21-01

(604)

OUBCAST
6°C CALM
 RAUSSEN
KOTZSCH
BORKHOLTER
LAKES


(604)



(61)

FND MON

E-73 RESET

1981

(615)

- FND 10CM DIA BRASS DISK
- SET VERTICALLY IN SW FACE OF 10M TALL ROCK OUTCROP
- 55M EAST RE MP 90
- @ EAST END OF HWY ROUTE
- 4 1/2 M N OF EP SOUTHWARD HWY
- 13 M ABOVE GRAD
- RE MP 104 S SOUTHWARD HWY

OUBERCAST
G°C CALM

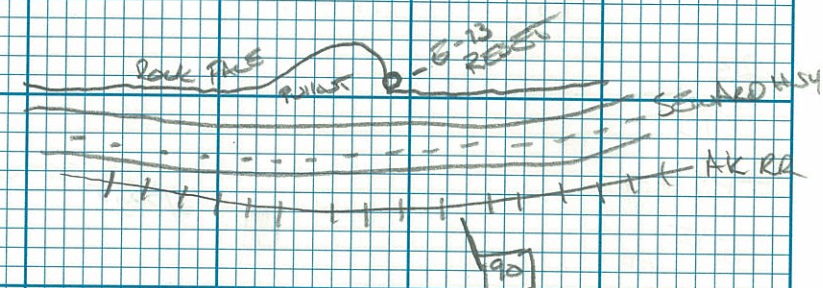
(67)

ROUSSEAU
KOLTESCH
BURKHOLDER
LAMB

(615)

E-73
RESET

1981

A
N

NTS.

LEVEL LOOP

F-73/120/404/118/5-1 255ET/406/116/8-3 RES

STA	+	HI	-	IFS	BLBV
-----	---	----	---	-----	------

③

TP3

70 52

6943

2

TP 2

$$25 \frac{42}{-}$$
$$23 \overline{) 73}$$

①

TP1

5 35 HD

16

1523

12²²

	↑
BGN Loc	
LINE	1

OVERCAST
6°C CALM
LEICA DA 2002

REG MOD 5
REFORMATED
BUC OOCZ

ROUSSEAU
KONTESCH
BORKHOLDER
LAMB

PK IN AC

$P_k = N \cdot A_c$

SMALL Rock outcrop

~~20~~²⁰² NGJD 29

		LEVEL	LOOP		
STA	+	HI	-	IFS	ELEV
⑨					
TP 7			2	7063	133865 129304
7125					
		15			
	2	0846			
7156		15 6967			
		15 1527			
⑧					
404			1	7063	136121 140008
2750					
		15			
	1	6527			
3471 HD		15 3184			
		15 2744			
⑦					
TP 6			1	7560	136657 141217
6812					
7520					
		15			
	1	5497			
TP 5		15 4217			
7520		15 8771			
					143285 138720
			↑		
		LOOP		CONT.	

OVERCAST 5°C CALM LIGHT SNOW CECA NA 2002				ROUSSEAU KORTESCH BORKHOLTER LAMTB
6" SPIKE				
SPIKE IN GRAVEL (GPS RT)				
PK IN AC				

PK WS AC

$$STA + HI - IFS \text{ ELEV}$$

STA

+

41

1FS

ELÉV ✓

15

TP 11

68 69

17135

$$\begin{array}{r} 123719 \\ \times 12 \\ \hline 247438 \\ 247438 \\ \hline 1484628 \end{array}$$
67 21

2728

$$\begin{array}{r} 136305 \\ \underline{140855} \end{array}$$

14

TP 10

$$66 \overline{) 25}$$

15957

$$\begin{array}{r} 12 \overline{) 3577} \\ \underline{12812} \end{array}$$

6851

(13)

S-11
2025 1981

22 43

18163

12 317

$$\begin{array}{r} 12 \overline{) 12315} \\ \underline{12} \\ 0 \end{array}$$

118

$$\begin{array}{r} 26 \\ 16 \\ \hline \end{array}$$

16252

$$\begin{array}{r} 14 \overline{) 322} \\ \underline{28} \\ 42 \\ \underline{42} \\ 0 \end{array}$$
$$\begin{array}{r} 12 \overline{) 9671} \\ \underline{24} \\ 72 \\ \underline{60} \\ 127 \\ \underline{120} \\ 70 \\ \underline{60} \\ 10 \end{array}$$

LOOP CONT

MOSTLY CLOUDY
 CALM 20°C
 - LEICA NA 200S2
 LIGHT SNOW

DASSIEAU
 KOTTZSCH
 BURKHOLDER
 LAMB

~~PK in LC~~

PK IN AC

END BRASS DISC

$$\langle 12 \ 317 \rangle \quad \text{ERE} = 0.0011$$

		LEVEL	LOOP		
SCA (18)	+	41	-	IFS	ELGY
TP 13 6771			119241		135004 131525
6822	20339	143449 147118			
(17) 405 3000			17829		127507 127659 123110
2860	17437	140939 145488			
(16) TP 12 6741			13180		128001 123502
TP 11 6799	17514	136684 141438			123119 119170
		LOOP	↑ CONT		

MOSTLY CLOUDY
 2°C NW WIND 10 KMH
 LEICA NA 2002

ROBERT
 KOTZSCH
 BACHMANN
 LANGE

PK IN AC

SPIRIT

PK IN AC

		LEVEL	LOOP		
STA	T	HI	-	IFS	ELSD
(21)					
TP 15			19843		129001
6927					124451
		144294			
	12800	148849			
6801					
(20)					135921 AGS
466			16972		135904
4318					131414
		148336			
	15601	152936			
4363					
(19)					132785
TP 14			16385		122839
6747					
		149170			
	17645	152719			126014
TP 13					131925
6833					
			↑		
		LOOP	CONT		

		L-21-1		(11)
PARTLY SUNNY				ROSSER
3°C NW WIND 10 KMH				KATZSCH
L2				BORCHOWSKA
				LEHNS
PK IN AC				
MAG ONC IN AC				
PK IN AC				

(16)

LEVEL LOOP

STA + HI - IFS ELEV
(27)

LOOP CONS P 1 01-002 BK # 4

(26)
BK
73 RESET
80.9
12116
113727
~~118212~~

82.33
16967
125843
~~130394~~

(25)
TP 18
6887
19917
108876
~~118427~~

116
17261
128793
~~133343~~
70.9
11532

↑
loop
↑
CONST

(16)

PARTLY SUNNY
2°C NE WIND 10 km/h
LEICA

RUSSELL
KATZSCH
BARKHOLSER
LAMB

LOOP LENGTH 2.165 km
TOLERANCE 0.098

<11.372> ERROR = 0.0007
SEE PG 67 THIS PK

PK IN AC