

1037



TRANSIT

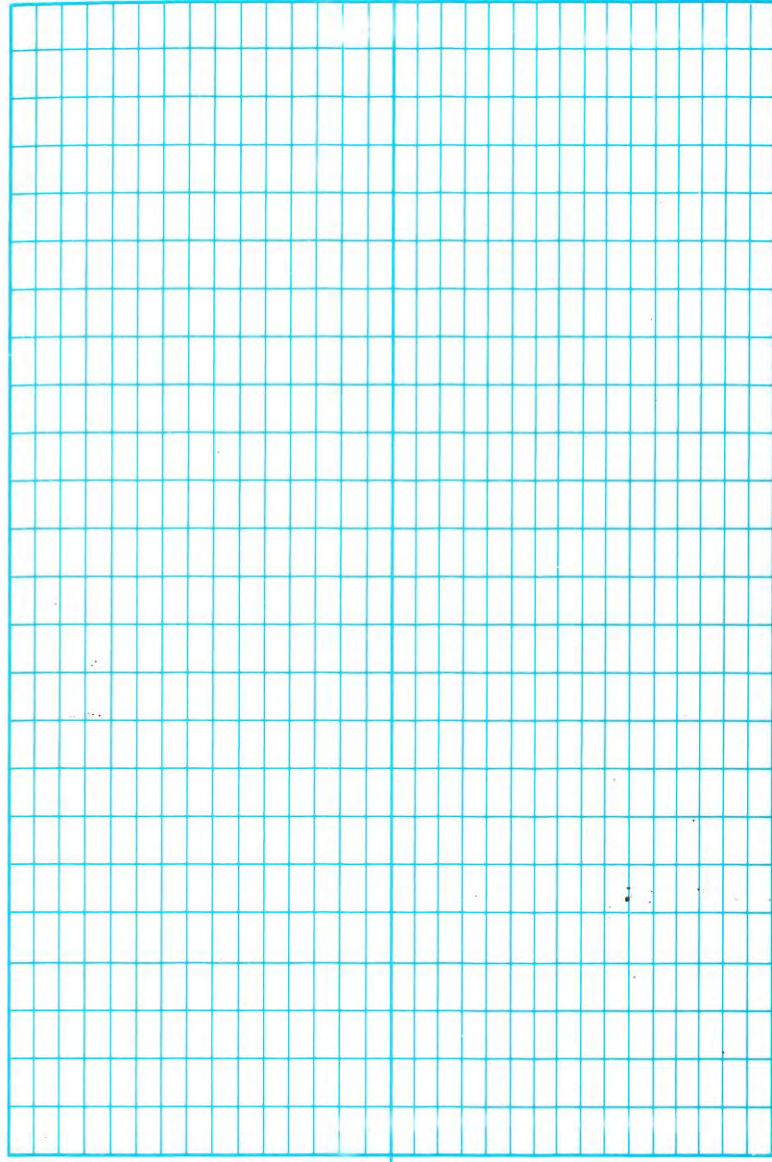
Spiral Notebook

No. 603

32 Sheets

4 5/8" x 7"

1037



Index

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7-8	Reset SW claim #42 T ₄₅ R ₂ W T ₈₅ R ₁ W Sec #29
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23-26	Set Sec Cor Common to 19, 20, 29, 30 T ₈₅ R ₃ W
26-27	Set NW corner DLG #73 T ₇₂ R ₂ W

1 TOPO JOB AT SHOPS FACILITY

Rec. module no. 036013

$\pi @ AZ MK \# H/I = 5.30 FT$

1992 (9223) HT of BS = 5.06

BS = GPS pt. w/o (9222)

#	CODE	Info	1	2	3	4
1	9223	0	032096	9222		
2	9223	5.30	9222			
3	50	5.22	5.06		← 5.22	
163					FS. HT	

163

32 100

83

70 4 1

142

Record 0

156 for 2 shots

142

60 1 last fence shot (SAVE)

71

157 Ground shots

307 Boulder

700 Flag pole

500 Decid.

601 Everg.

600

code 268

Test holes are 4' x 8'

D. Edwards PC

S. Shields π

Wedn. 3/20/96

T 1610

w/ rec module

502

602

502

501

502

501

268 - Test Hole (5)

701 ~~Cistern~~, concrete cast pipe section
w/ 2 elec. outlets inside w/ insulation
dia = 48" ; 18" tall

236 planter

60 2

70

60 2

70 7

110 Bldg 1

60 2 Save Bldg cor (Bldg # 3)

71

275 Water Valve

70 2 2

80 200 2

138

60 3

2 Topo shots cont'd... 3/20/96

80 201 2 EP

70 7 5

139 EP

81

82 201

60 3

83 Mass Pts ON

157 Gr. shots in parking lot

71

13 7000

14 -500 would not shoot it

13 7000 BLDG CORNER,

84 NOT A TREE

500 dead area Bldg #1

70 7 1

110

71 End line

70 7 1

14 7000

71 conc.

70 7 5 slab w/ utilities in middle

83

60 4

61 4

Delete

mistake

not coded

in as 8p

500'

2

70 7 5 conc. pad (elevated)

80 202 2

84

80 203 2

70 7 5

60 4

61 4

239 Guard posts

81

71

407

70 8 2

70 6 4 gate opener on pad

284

60 4

61 4

71

233 P. Pole

101 (2)

409

702 gate opener (key box)

600

83

13 5000

Topo shots cont'd... 3/20/96

407

14 2000

229 Light Pole

14 2000

84

70 8 3

236 Planted area in front of Bldg #1

70 8 3

70 8 3

71

117 C/B

302 6

306 8

307 for 2 shots

275 W. Valve

261 Power

70 3 6

262 Tele.

71

70 3 6

71

70 2 2 Stockpile of old asphalt

80 204 2

138

14 2000

71

81

83

157 on pile

84

End of work at setup 9223

End of day 3/20/96

T@50 H1=5.26

BS=#9223 w/ 5.14=H1

CODE # INFO1 INFO2 INFO3

2 50 5260 9223

31 30 5000

182 5/8" iron rd. w/MC/PC (PT#30)

31 31 5000 7000

182 (5/8" iron rd w/MC/PC (PT#31)

3 51 5390 5140

163 H/T

32 0 5000 9223

Record 0

82 204

70 2 2 Continue stock pile

138

Thu-S. 3/21
SS &
DE φ

4 Topo Shots cont'd... 3/21/96

CODE# INFO1 INFO2 INFO3

81

83

157 Gr. shots

71 Took one shot before entering Code 71

84

80 205 2

70 2 2

138 Gravel pile

13 7000

60 5 Save #5

61 5 Recall #5

70 2 2

80 500 5 ← Giant Leaf pile

80 501 5 ← Big concrete pile

70 2 2

71

81

70 4 1

142

61 1

71

End of WK at setup #50

CODE# INFO1 INFO2 INFO3

π@51 H1 =

BS = #50 w/00

2 51 5390 50

3 52 5300 5260

231 PK nail

32 0 7000 50

Record 0

70 2 2

82 500 Recall "Leaf Pile"

14 -500 ← Wouldn't work

14 -2000 ← "Got the shot"

82 501 Recall other "dead area"

70 2 2

81

142

70 4 1

83

60 1 Save Fence Cor.

61 3 Recall EP point

70 7 5

139 EP

84

82 201 (EP Breakline)

14 4000

60 3 Save EP pt

5 Topo Shots Cont'd...

Code#	INFO	NOTE
81		← INSERT CODE 71 HERE
83		

137 Parking Lot shots

117 CB

300 12

14 -2400

84

71

End of work at #51

Ac 52, Bs 51

52 HI = 5.300

51 HI = 5.390

117 CB 6" Tile

60 5 N.W. Cor. Bldg 4

703 1 1/2' N-S 2 1/2' E-W Water Valve Box

82 201 EP

61 3

Ac 52, Bs 51 cont'd

60 - 3 EP & PT.

703 - ? 3 1/2 w 4 1/2 H Propane Tank

Bldg (small) Propane Tank -
3' Dia x 4' Tall

202 - 2 T.O.C. Wash Rack

60 - 6 - 61 - 6

203 - 2 - EP Wash Rack

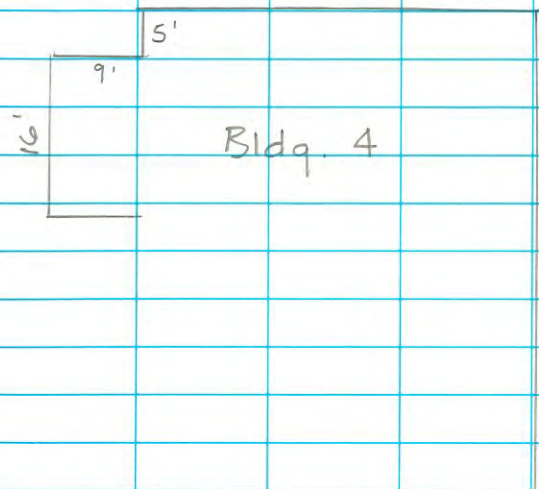
61 - 1 Fence

60 - 1 Fence

204 - 2

205 - 2 EP

CODE 3 53 HI=5.37



Te 53, B3 52

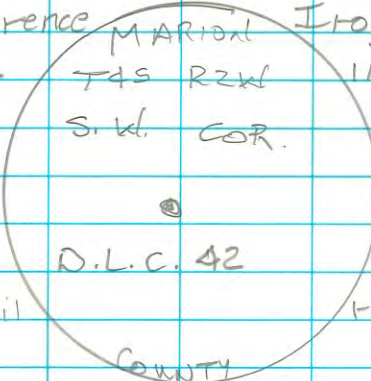
CODE 31 - CODE 182

$$32 = 5/8" IR / MCLPC$$

Ed. 3" dia Brass Cap in a 1" dia Iron Pipe. The Top 8" of the pipe broken off & lying on the ground. Brass Cap mutilated. Ed. all Four

Reference MARION Iron Rods
w/mc4PC T4S R2W IN GOOD
Condition. S.W. COR.

35" dia
gone.
Guard rail
half.

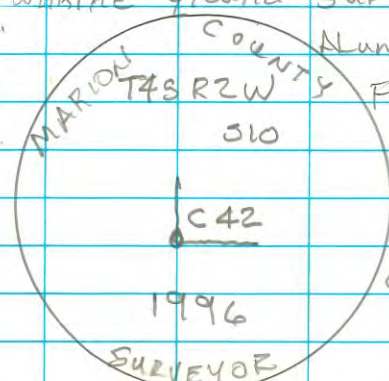


Oak stump
ripped in

Set a 3/4" dia Aluminum Cap

Flush with the ground surface on a

2 3/8" x 30" Aluminum pipe
notched at the bottom.
magnet set and a #5
the aluminum



Flared at clear #5
in bottom
set inside
cap.

3" wide x 12" long iron bar and 1/2" thick was set in the base of the aluminum pipe as a memorial

Set an Orange Carborundum Posts

- 1- North 2 Ft.
- 1- South 2 Ft.

D. Edwards

S. Shields

Wild T-1600 Total Station

Warren Knight Compass #23576

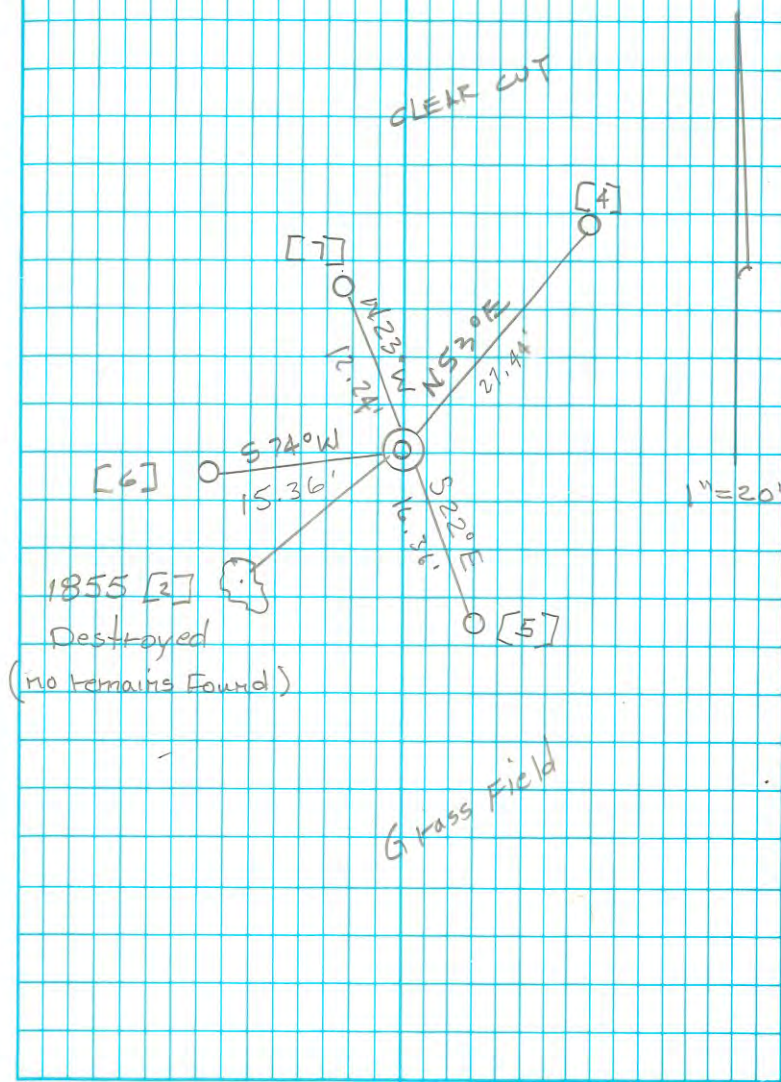
MODEL: 40-1300

Basis of Bearings: (Magnetic North)

Mag. Decl. set @ 20° East

JT. Paul @ QUADRANGLE

7-2-96



85 / w sec 29

N.E. Cor. J. TAYLOR CL #43

PC T M. Reedy

W R. Gibboney

8/8/96

Sunny Clear / 70°

PPM 12 T/600 / 48GX

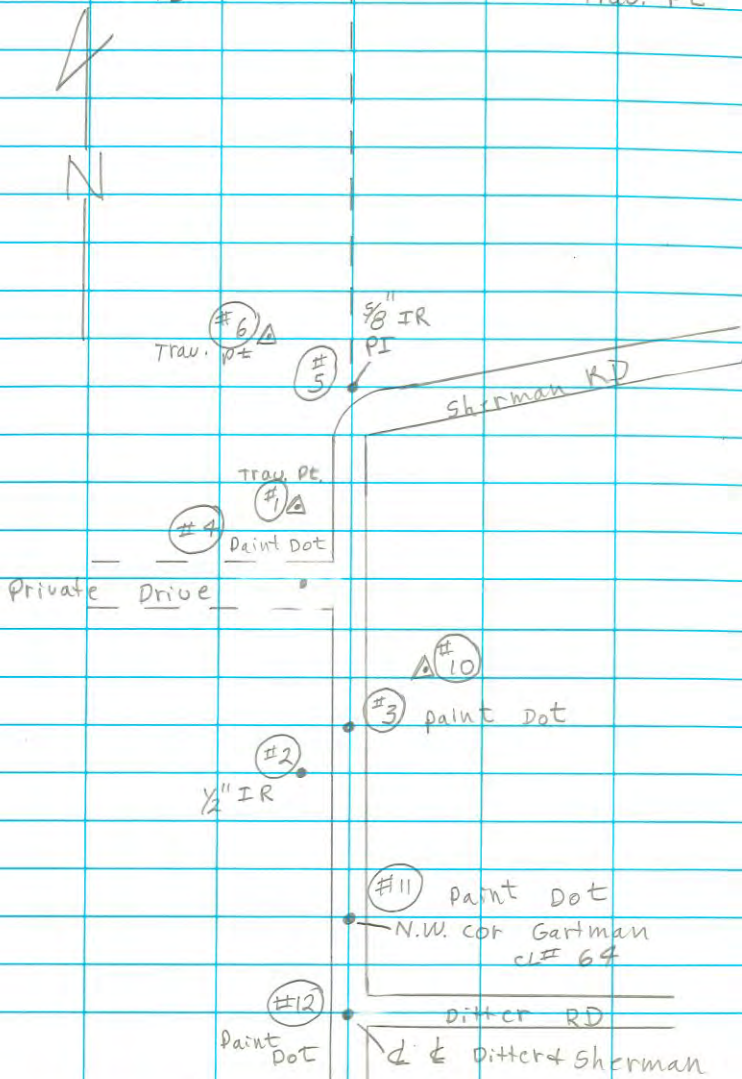
The purpose is to try and
locate the N.E. cor. of John Taylor
CL #43 using Found field information
from surveys (6487, 20580, 22839)

"see sketch" →

We set a arbitrary point #1
spike, BS #2 1/2" IR shot 3, 9, 5, 6
used 3 to 5 for line extended
out Record Dist to create #7
set up on 6 BS 1 shot in #8
set on #8 and used #7 as a
Guide to find IR #9
Returned to shot #11 + 12 from
#10 a resection pt from 2 + 3

NE cor. Taylor
#43

⑦ computed
⑨ 1/2" IR 4' Above Ground
⑧ Trav. Pt



	Dist
#8 → #9 N 59° 48' 58" W	87.75
#8 → #7 N 60° 01' 19" W	87.92
INV #9-#7 558° 19' 29" W	0.36

Rotated Job file in 48GS
To Herricks 1918 Bearing (CS 6487)
(N 2° 52' E)
Dist Solberg 1968 (CS 20580)
(1054.92)

NETAYLER.CRS

Date: 9-27-96

Crew: M. Reedy R. Gibboney

Weather: Sunny 65°

Location: T5S R2W NE1/4 Sec 32

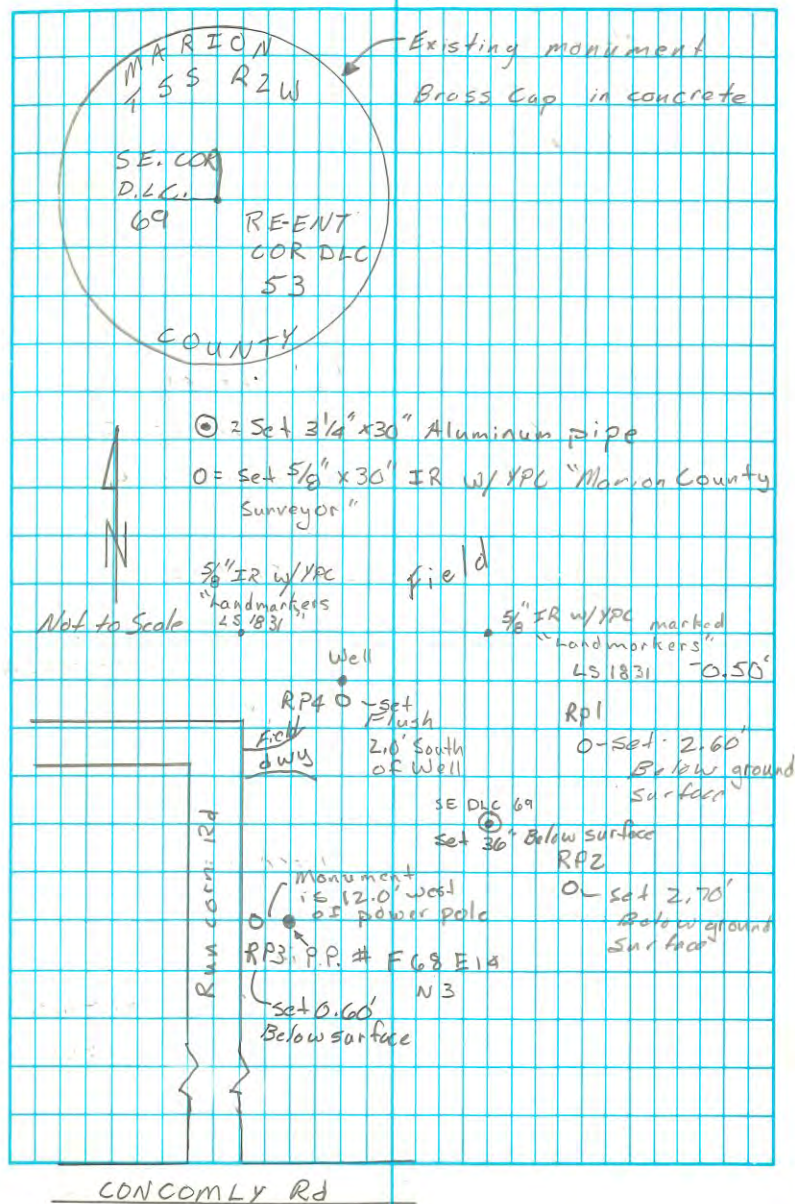
W.M. - East side of
Runcorn Rd.

The purpose of this survey is to set a 2 3/8" aluminum pipe at the S.E. corner of D.L.C. 69. The existing monument is a brass cap in concrete 0.20' above ground surface. We set 4 references as shown as RP1, RP2, RP3 and RP4. RP1 is on-line with RP3 through the D.L.C. corner. As is RP4 and RP2.

Set a 3/4" dia Aluminum Cap 36" below ground surface on a 2 3/8" x 30" aluminum pipe, flared at bottom also set a clear #5 magnet in bottom

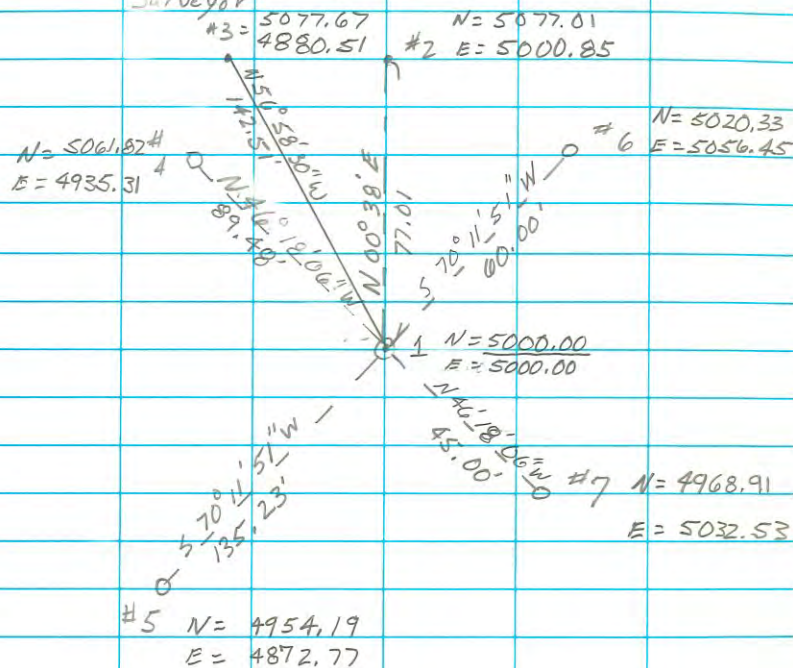
and under cap inside monument
The land owner cleared the existing monument after it was referenced.

We held the basis of bearing
[N 0° 38' 00" E 77.00'] from CS 33988



Wild T-1600 w/ 486X TDS JOB = SE DLC 69
 T #1 DLC corner
 B.S. #2 ^{Bose} Bearing $[N 00^{\circ} 38' E \quad 77.00]$ CS 339.88
 & Right Horiz Dist
 F.S. #3 $302^{\circ} 23' 31''$ 142.51

Held $\frac{5}{8}$ " IR point #2 as Backsight and tied point #3, #4, #5. We then computed point #6 and #7 and set $\frac{5}{8}$ " x 30" IR with yellow plastic caps marked "Marion County Surveyor"



AR H.D.
 1-4 T@1 FS 4 $\frac{5}{8}$ IR ypc
 1) $0^{\circ} 00' 00''$ 77.01
 2) $313^{\circ} 03' 51''$ 89.48
 3) $133^{\circ} 03' 47''$
 4) $179^{\circ} 59' 50''$ Avg = $313^{\circ} 03' 54''$

1-5 T@1 FS 5 $\frac{5}{8}$ IR ypc
 1) $0^{\circ} 00' 00''$ 77.01
 2) $249^{\circ} 33' 50''$ 135.23
 3) $69^{\circ} 33' 48''$
 4) $179^{\circ} 59' 56''$ Avg = $249^{\circ} 33' 51''$

Date: 10-31-96

Crew: M. Reedy & [initials]

R. Gibbney T

Weather: Sunny 60°

Location: T8S R1W Sec 29

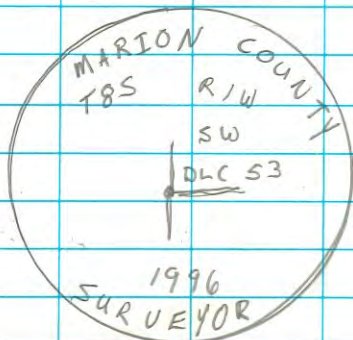
SW corner of Anderson DLC #53
and SE corner Simpson DLC #52

The purpose of this survey is to perpetuate the SE corner of Simpson DLC and re-monument the SW corner of the Anderson DLC #53. A total station was set over a traverse point and sighted the existing brass cap at the SE DLC #52. The SW corner of the of DLC #53 was computed by holding the NW corner of Anderson DLC #53 and south east corner of Simpson DLC #52 and a distance of 70.72' per CS 20320 on ^{west} line of Anderson DLC #53. Reference monuments were set from the SE corner of Simpson with direct measurements from said corner.

TC 128 BS 15

FS 166 $\frac{5}{8}$ " IR w/p cap
 1) $00^{\circ}00'00''$
 2) $308^{\circ}26'58''$ 57 $\frac{93}{100}$
 3) $128^{\circ}26'53''$
 4) $180^{\circ}00'00''$ Avg = $308^{\circ}26'56''$

FS 167 $\frac{5}{8}$ " IR w/p cap
 1) $00^{\circ}00'00''$
 2) $66^{\circ}31'27''$ 38 $\frac{98}{100}$
 3) $246^{\circ}31'27''$
 4) $179^{\circ}59'58''$ Avg = $66^{\circ}31'28''$

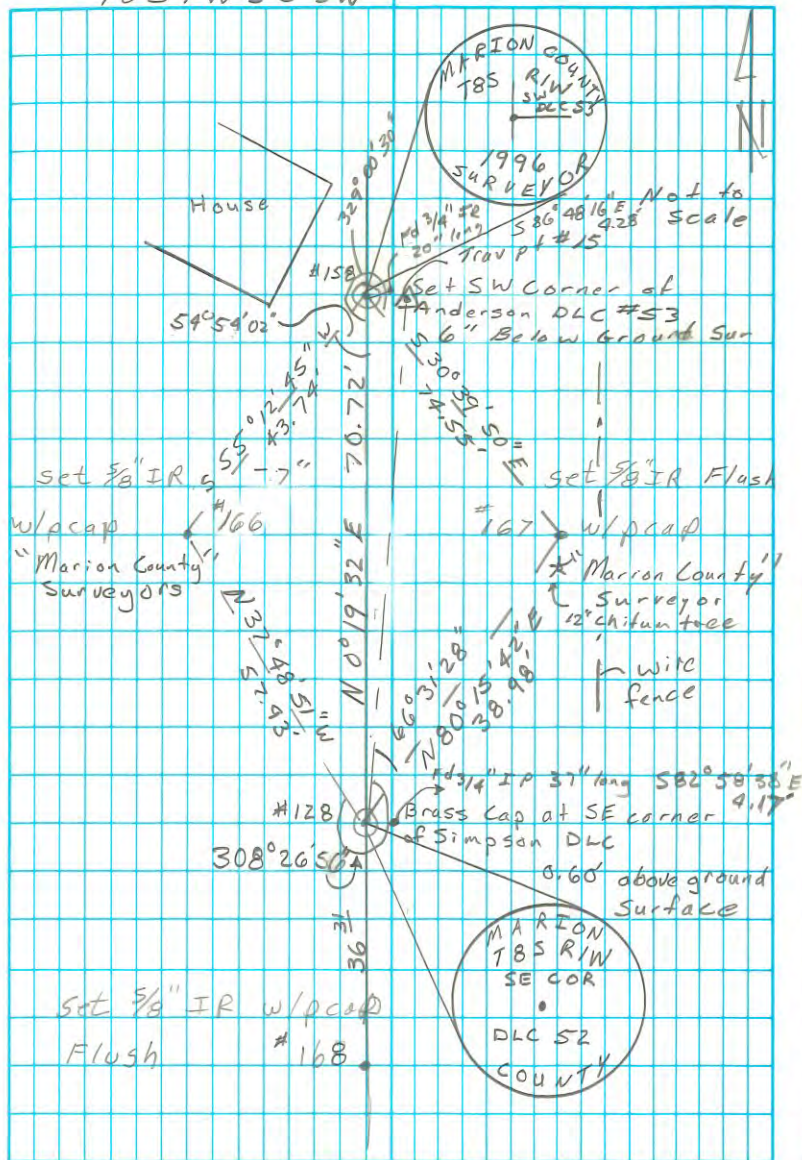


Set @ SW corner DLC #53 6" Deep

3 $\frac{1}{4}$ " Aluminium cap on 2 $\frac{3}{8}$ " Pipe x 30"

Notched and flared with a clear #5 magnet in base

T85 / W 53 SW



COORDINATES

Pt #128	SE DLC #52	N = 13110.39'	E = 10999.82'
Pt #158	SW DLC #52	N = 13181.11'	E = 11000.22'
Pt #166	5/8" IR Ref	N = 13156.16'	E = 10964.30'
Pt #167	5/8" IR ref	N = 13116.98'	E = 11038.24'
Pt #168	5/8" IR ref	N = 13074.08'	E = 10999.61'

T9S RIW Sec 8 NEDLC #42

Date: 12-19-96

Crow: M. Reedy, R. Gibbons

Weather: Clear, Sunny, 40° ppm = -2

Location: T9S RIW Sec 8 NEDLC #42

Equipment: WildT1600 w DI 1600

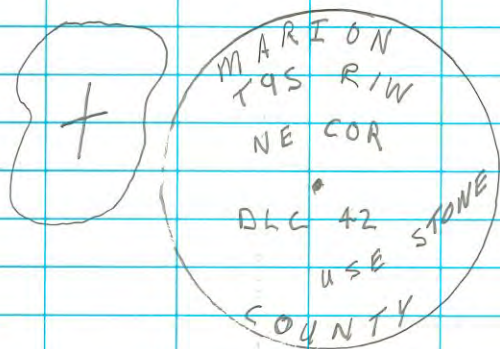
The purpose of this survey is to perpetuate the Northeast corner of the Alexander Neil DLC #42.

A Marion County monument box with a brass cap and a stone with an X was found 1.0' below gravel road.

A Total station was set over the stone and four references were established. A brass cap in a mcm at the S $\frac{1}{4}$ of Sec 8 was backsighted and held a basis of bearing of N0°15'W from C.S.R. 4755. We found Existing $\frac{1}{2}$ " IP's that referenced the corner est. in Book 1 page 549 Restored corners. The IP to the west was slightly bent but the 15' ref to the east was in good condition. All monuments were

tried and edge of gravel, ditches, and power pole were tried.

stone with X



Found MLM 1.0' below gravel road surface, in monument found a 2 1/2" Brass cap 0.24' south east of stone with X

RP1 = 1/2" Iron Pipe 1.50' Below ground surface
[4] = BK1 pg 549 restored corners

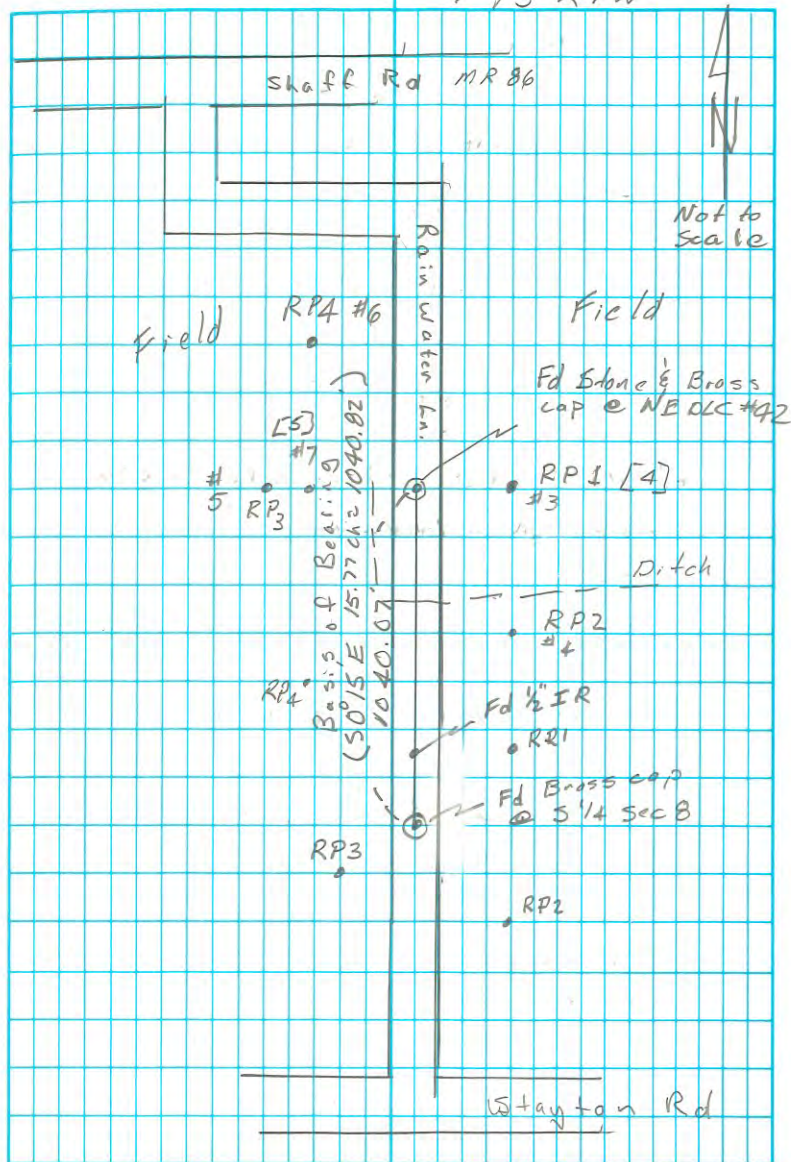
RP2 = 5/8" x 30" Iron Rod set flush with ground surface w/ YPC

RR3 = 5/8" x 30" Iron Rod w/ YPC set 0.30' below ground surface

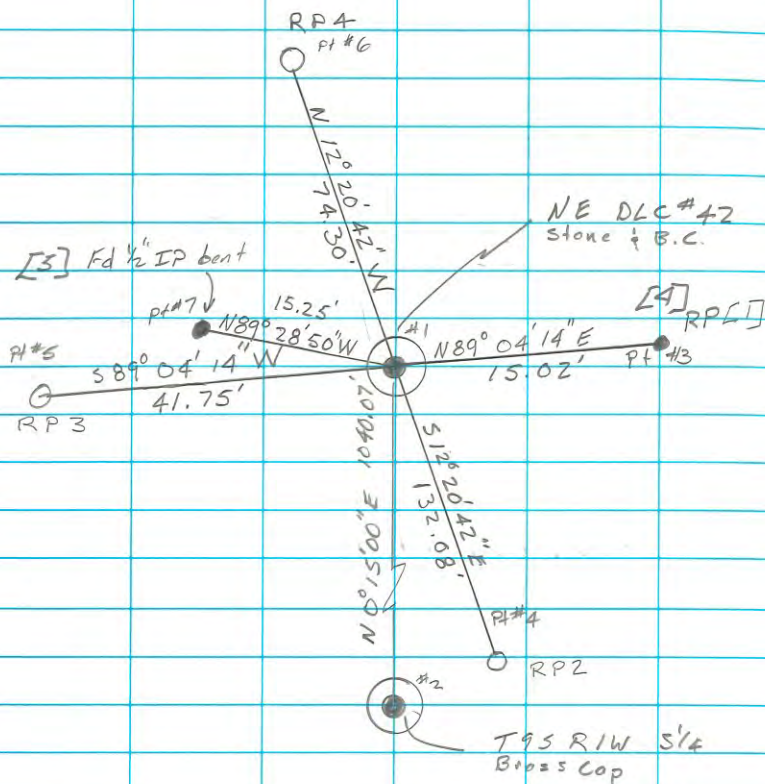
RP4 = 5/8" x 30" Iron Rod w/ YPC set 0.60' Below ground surface

Fd 1/2" Iron Pipe bent -1.0' below ground surface. [5] = BK1 pg 549 restored cor.

T95 RIW



Detail of References



T95 R1W Sec 8 S1/4

Date: 12-19-96

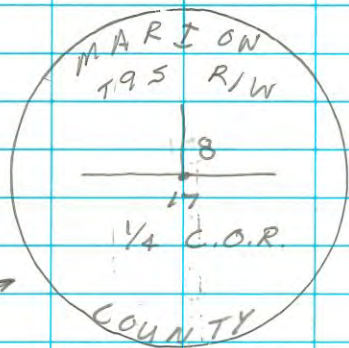
Crew: M. Reedy, R. Gibboney

Weather: Clear, Sunny 40° ppm = -2

Location: T95 R1W Sec 8 South 1/4

Equipment: T1600 w DI1600 & 486X w/TDS

The purpose of this survey is to perpetuate the south 1/4 of sec 8. A brass cap in a monument box was found 1.10' below gravel road A basis of bearing from CSR 4755 of $N 0^{\circ} 15' W$ was held. A total station was set over the brass cap and backsighted the NE corner of Alexander Neil DLC #42. Four references were established from the S1/4, the bearings and distances as noted. All monuments were tied w/ Total station and edge of gravel, driveways, and power poles were located.



Found Brass cap in monument box
1.60' Below gravel road surface
Top of MCM is 1.10' below road surface

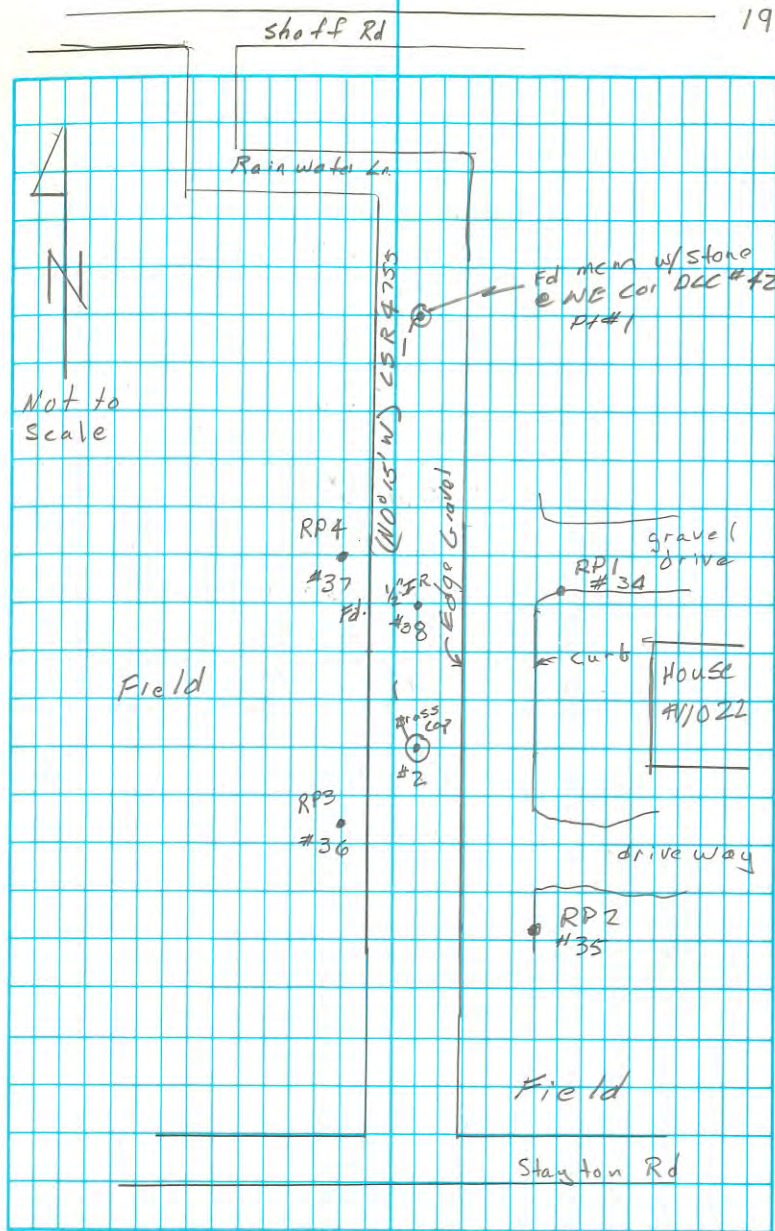
Fd $\frac{1}{2}$ " IR - 1.0' (set in CSR 2231)

RP1 = $\frac{5}{8}$ " x 30" Iron Rod w/ YPC set Flush

RP2 = $\frac{5}{8}$ " x 30" Iron Rod w/ YPC set - 0.3'
below gravel surface - east of curb -

RP3 = $\frac{5}{8}$ " x 30" Iron Rod w/ YPC set - 2.0'
below ground surface

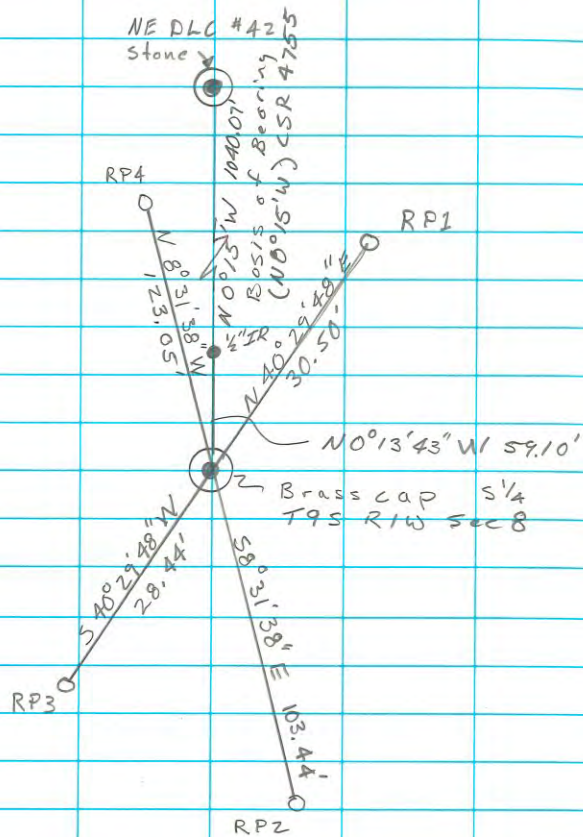
RP4 = $\frac{5}{8}$ " x 30" Iron Rod w/ YPC set - 1.0'
Below ground surface



detail of references



Not to
Scale



Date: 6-10-97

Crew: R. Gibboney, B. Morgan

Location: T7S R1E Sec 35 & 26

Marion County, OR, W.M. also
near the S.W. Corner Green Mt.
Cemetery.

Weather: Sunny 75°

Equip: Wild T1600 DI 1600 ppm13

The purpose of this survey is to re-establish the South 1/4 corner of Section 26, T7S, R1E, Marion County, OR, W.M.. A diligent search for the stone and Iron pipe was made. Measurements were taken from a survey by Wiljo Green CSR #34297 to locate the corner, but a portion of the bank was cut out for the Christmas trees. Based on our measurement it was determined that the corner was obliterated and holding the South line of CSR #34297 and held 59.4' S 89° 45' W of 5/8" IR @ SW Corner Green Mountain Cemetery.

Set a $3\frac{1}{4}$ " Aluminum Cap attached
to a $2\frac{3}{8}$ " x 30" Aluminum pipe
Flush with the Ground Surface.
Set three references which are
Aluminum caps on $5/8$ " x 30" Iron
rods, stamped RP1, RP2, and
RP3.

Occupy pt #40 B.S. #16

Fore sight #17 RP1 set 0.9' Below surface

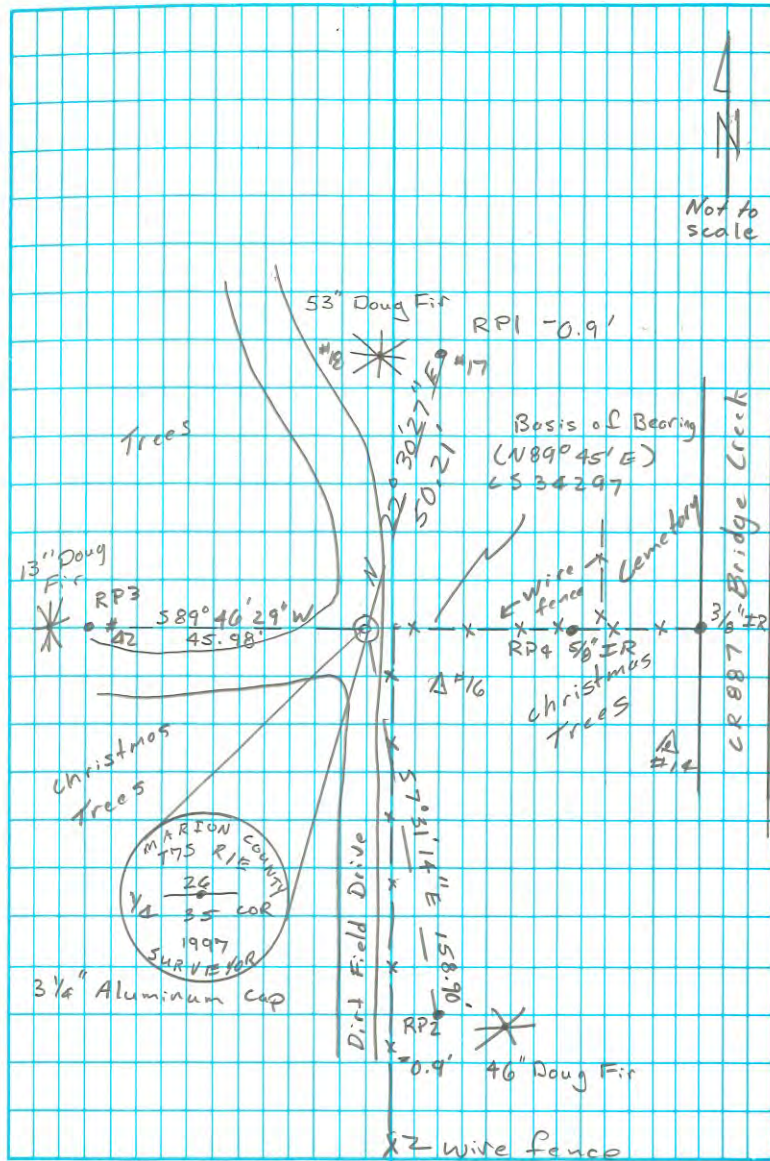
" #18 Douglas Fir 53" Dia

" #19 RP2 set 0.9' Below Surface

" #41 Douglas Fir 46" Dia

" #42 RP3 set -1.0' Below surface

" #43 Douglas Fir 13" Dia



Date: 7-8-97

Crew: M. Reedy, R. Gibboney

Location: T8S R3W SW 6or Sec 20

Marion County, OR, W.M.

Weather: Cloudy 65°

Equip: Wild T1000 DI 1000

The purpose of this survey is to double proportion the section corner common to sections 19, 20, 29, 30, T8S R3W. A search was made for the stone and its accessories but nothing was found. The 1/4 corners nearest to the section corner were located and tied with G.P.S. to establish state plane coordinates. The distances were reduced to ground and reduced to cardinal directions. See calculator for distances and coordinates. The section corner was set from traverse control. References were set and then tied. The Basis of Bearing is from State Plane coord.

Double Proportion Calc.

Northing

446302.79

- 440999.44

Cardinal Eq.

$$\Delta N = 530 \text{ 3.35'} \cdot \left(\frac{40 \text{ ch}}{80 \text{ ch}} \right) = 2651.675 + 440999.44$$

$$N = 443,651.115$$

Easting

7527022.62

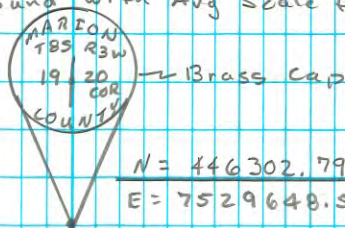
- 7532298.96

5276.34

$$\frac{40}{79.82} = 2644.12 + 7527022.62$$

$$E = 7529666.74$$

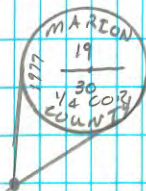
State Plane Coordinates were est. using GPS
and reduced to Ground with Avg Scale Factor



$$N = 446302.79$$

$$E = 7529648.56$$

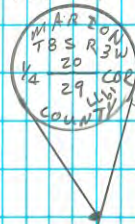
Brass Cap



$$N = 443645.93$$

$$E = 7527022.62$$

Brass Cap



Double Proportional
Coordinates
for Sec Corner

$$N = 443651.12$$

$$E = 7529666.74$$

$$N = 443634.09$$

$$E = 7532298.96$$

Stone in

$$N = 440999.44 \text{ Calc Rd}$$

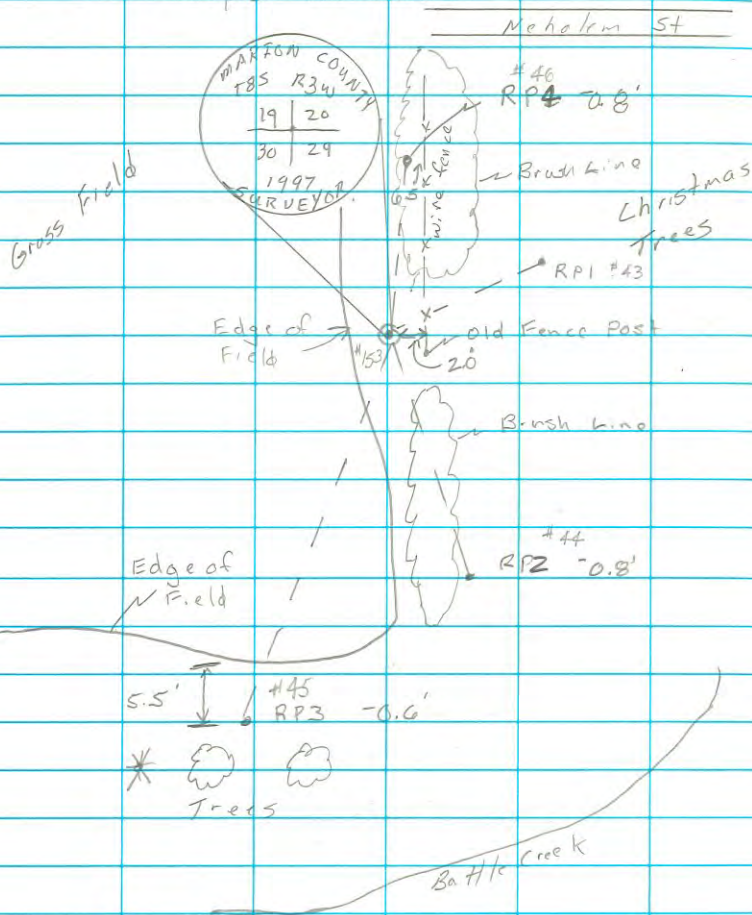
$$E = 7529693.05$$

25

Not to
Scale

Set $3\frac{1}{4}$ " Aluminum Cap on $2\frac{3}{8}$ " x 30" Alum
Pipe, Flush with Ground Surface.

Set Orange cursor to post 1.0' North
stamped as shown



25

Reference Details

RP1 = $5/8$ " x 30" Iron Rd w/ Y.P.C. Marked
Marion County Surveyor set -1.2'
Below ground surface in Christmas Trees.

RP2 = $5/8$ " x 30" Iron with Yellow Plastic
Cap stamped "Marion County Surveyor"
Set 0.8' Below ground surface

RP3 = $5/8$ " x 30" IR w/ Yellow Plastic Cap
stamped "Marion County Surveyor" set 0.6' Below
surface

RP4 = $5/8$ " x 30" IR w/ Yellow Plastic Cap
stamped "Marion County Surveyor" set
0.8' Below ground surface

Traverse Data

T H S T # 132 B S # 146

FS # RP1	HZ Δ	Horiz Dist
1)	$0^{\circ}00'00''$	296.00
2)	$0^{\circ}57'51''$	43.68
3)	$180^{\circ}57'48''$	—
4)	$179^{\circ}59'56''$	—
Avg Δ $0^{\circ}57'52''$		—

FS RP 4

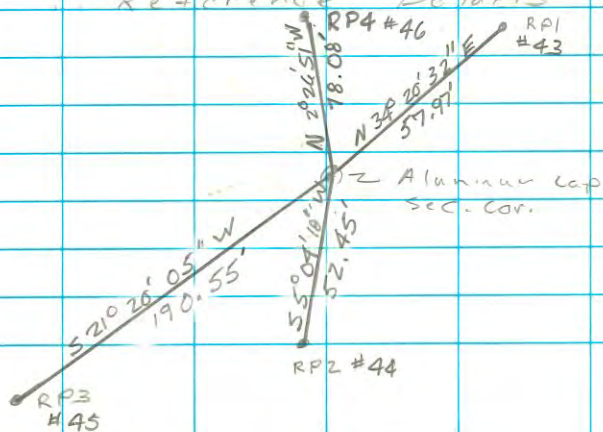
1)	00°00'00"	296 ⁰⁰
2)	101°55'31"	89 ⁵⁵
3)	281°55'22"	—
4)	180°00'02"	—
FS RP 3	Avg & = 101°55'26"	

1)	00°00'00"	296 ⁰⁰
2)	120°40'09"	222 ⁸⁰
3)	300°40'09"	—
4)	179°59'55"	—
FS RP 2	Avg & 120°40'09"	

1)	00°00'00"	296 ⁰⁰
2)	293°55'43"	41 ³²
3)	113°55'25"	—
4)	180°00'05"	—

Avg & 293°55'32"

Reference Details



Location: NW corner DLC 73, T7S R2W
also on Walker Rd 1368' North of
Walker and Sunnyview Rd.

Date: September 4 1997

Crew: M. Reedy, R. Gibboney

Weather: Cloudy 65°

Equipment: Wild T1600 w/ EDM

The purpose of this survey is to re-establish the NW corner DLC 73. MCSR # 32240 was used as Basis of Bearing. All four references were found in good condition, (see drawing). A total station was set over the yellow plastic cap at the south easterly reference monument. Measurements were made to all other references and the SW corner DLC 73. A position for the DLC corner was calculated and the a Brass' Cap was set at the pavement surface

BS- π -FS	H2 δ	Hor Dist
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5-1-2	0-00-00	1344.33'
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177-28-08	46.08'
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357-28-07		-
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179 - 59 - 49

Avg $\delta_3 =$	$177^{\circ} 28' 13''$
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5-1-3	359.59.53	13 44 33'
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153-54-23	128.98'
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333-54.14		—
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179-59-55	-
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$$\text{Avg } \lambda = 153^{\circ} 54' 25''$$

5-1-4	359-59-52	1344,33'
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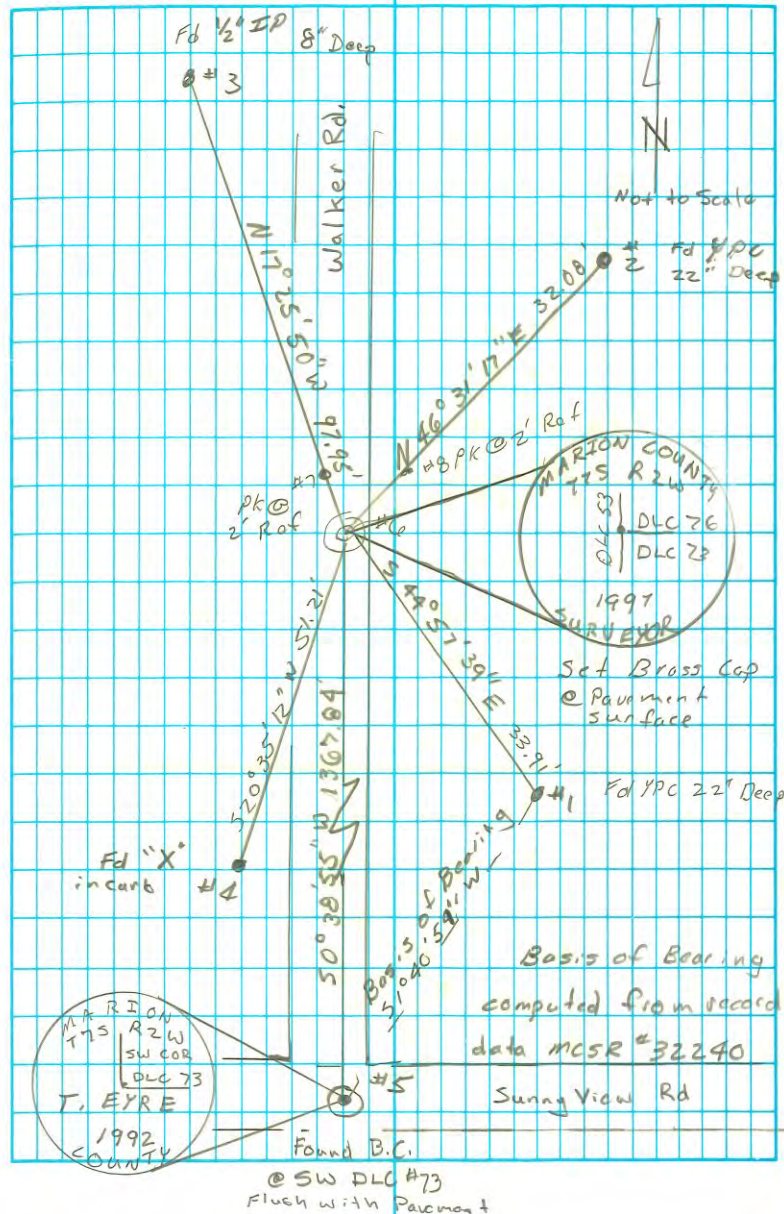
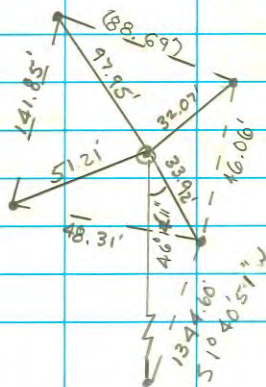
58-36-48	48.32'
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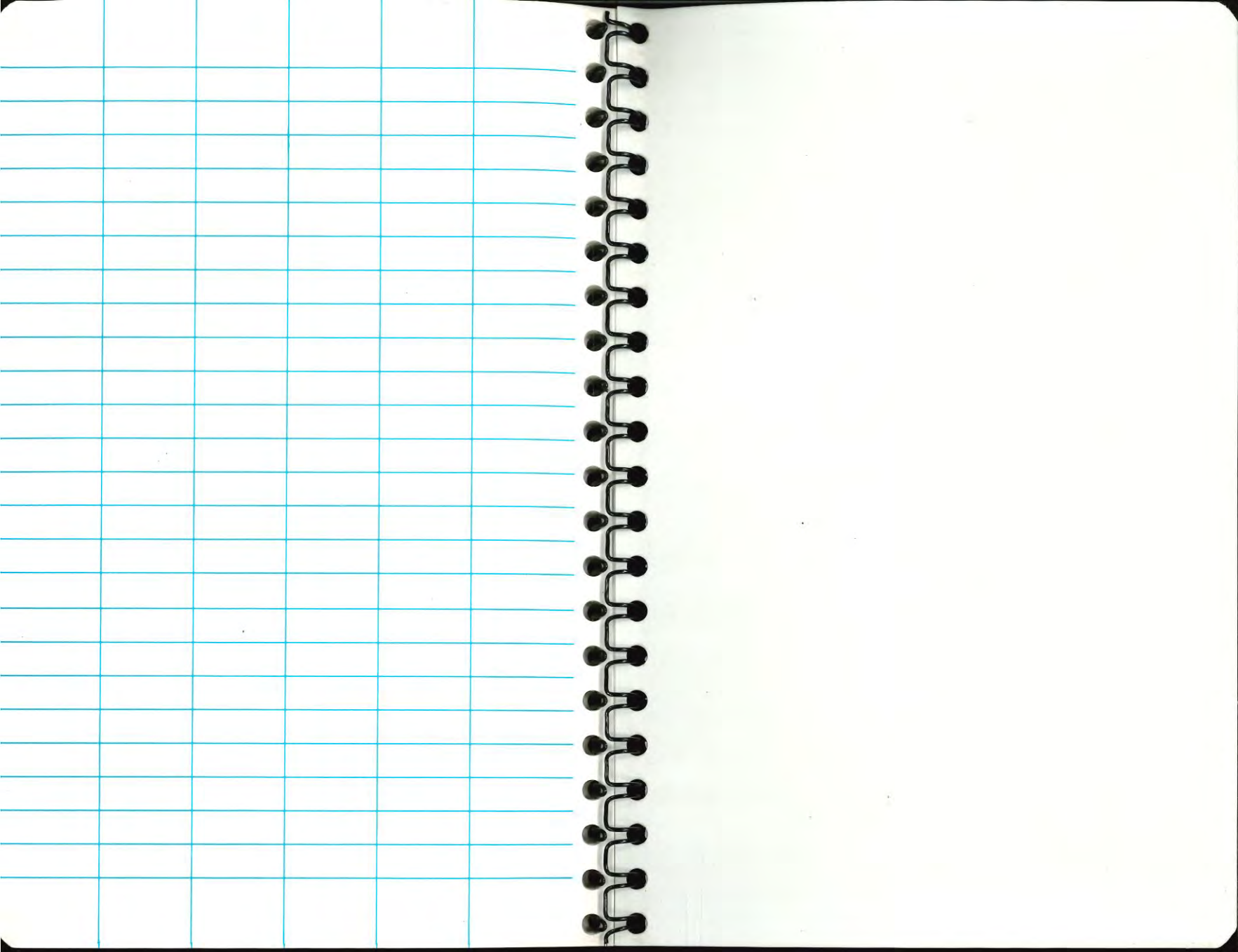
230-36-45

179-59-49

$$\text{Avg } \Delta = 58^{\circ} 36' 56''$$

Computations of Record Data	: See Detail #1 mCSR
	# 32240





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