

T 58N R 26W

BOOK # 6

CORNERS SEC 10

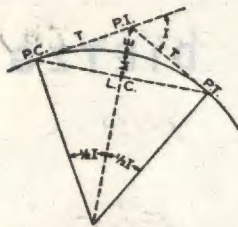


403NW

DIETZGEN

CURVE AND REDUCTION TABLES

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CURVE FORMULAS

1. Radius: $R = \frac{50}{\sin D/2}$
2. Degree of Curve: $D = 100 \frac{I}{L}$ Also, $\sin D/2 = \frac{50}{R}$
3. Tangent: $T = R \tan \frac{1}{2} I$. Also, $T = \frac{T \text{ for } 1^\circ \text{ curve}}{D} + C$.
4. Length of Curve: $L = 100 \frac{I}{D}$
5. Long Chord: $L.C. = 2R \sin \frac{1}{2} I$.
6. Middle Ordinate: $M = R (1 - \cos \frac{1}{2} I)$
7. External: $E = \frac{R}{\cos \frac{1}{2} I} - R$. Also, $E = T \tan \frac{1}{4} I$.

EXPLANATION AND USE OF TABLES

Given P.I. Sta. 83+40.7, $I = 45^\circ 20'$ and $D = 6^\circ 30'$ find:

Stations—P.C. = P.I. - T. $T = \frac{T \text{ for } 1^\circ \text{ Curve}}{D} + C$. From Tables V and VI
 $T = \frac{2392.5}{6.5} + 1.97 = 368.32 = 3 + 68.32$. Sta. P. C. = 83+40.7 - (3+68.32) = 79+72.38.

P. T. = P. C. + L, and $L = 100 \frac{I}{D} = 100 \frac{45.33}{6.5} = 697.38$ Therefore, P. T. = (79+72.38) + (6+97.38) = 86+69.76.

Offsets—Tangent offsets vary (approximately) directly with D and with the square of the distance. From Table III Tangent Offset for 100 feet = 5.669 feet. Distance = 80 - Sta. P. C. = 27.62. Hence offset = $5.66 \times \left(\frac{27.62}{100}\right)^2 = .432$ ft. Also, square of any distance, divided by twice the radius equals (approximately) the distance from tangent to curve. Thus $(27.62)^2 + (2 \times 881.95) = .432$ ft.

Deflections—Deflection angle = $\frac{1}{2} D$ for 100 ft., $\frac{1}{4} D$ for 50 ft., etc. For "X" ft. Deflection Angle (in minutes) = $3 \times X \times D$. For Sta. 80 of above curve Deflection Angle = $3 \times 27.62 \times 6.5 = 53.86'$. Also Deflection Angle = dfl. for 1 ft. from Table III $\times X = 1.95 \times 27.62 = 53.86'$. For Sta. 181 Deflection Angle = $53.86' + \frac{6^\circ 30'}{2} = 4^\circ 8.86'$.

Externals—From Table V for 1° curve, with central angle of $45^\circ 20'$, $E = 479.6$. Therefore, for $6^\circ 30'$ curve, $E = \frac{479.6}{6.5} + \text{Correction from Table VI} = 7.378 + .038 = 7.417$.

Monumentation

Notes

For

T 58 N R 26 W
Section 10

as per positions from
Dana Paper R.L.S.

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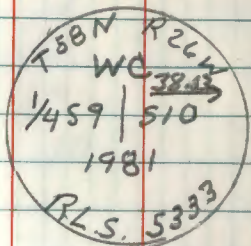
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T58N R26W

Witness Corner $\frac{1}{4}$ section 9 & 10
West side of pond 38.03'

Point for corner set by Donn Pepper R.L.S.

Set a 2" x 3" Gal Iron pipe with
brass cap marked.



from which bears

X Rock 2" x 3 1/2" S21W 15.23"

R. Oak 8" N15E 27.76 scribed WC 1459 BT

Maple 4" N31W 11.64 " "

Set a steel post 8' long West 1/5"
with signs 54-25 54-9

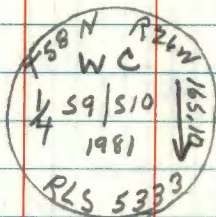
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T58N R26W

Witness Corner 1/4 section 9 & 10

North side of pond 165.10'

Point for corner set by Donn Pepper R.L.S.

Set a 2" x 5' Gal. Iron pipe with
brass cap marked

from which bears

X Rock 3' x 3" N20E 19.80'

Birch 7" S85W 24.81 scribbled WC 1/4
59 BTSpruce 5" N50E 14.68 " WC 1/4
510 BTSet a steel post 8' Long North 4.8'
with signs 54-2 & 54-9

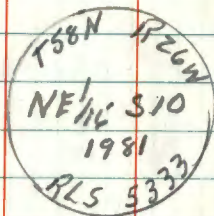
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T58N R26W

North East $\frac{1}{16}$ section 10

Point for Corner Set by Donn Pepper R.L.S.

Set a 2" x 5' Gal. Iron pipe with
brass Cap marked-

from which bears 18.12

Maple	6"	N82W	17.89'	scribed	NE 1/16 S10 BT
Maple	4"	N30E	14.50	"	"
Birch	5"	S7E	29.80	"	"

Set a steel post 8' Long West 2.8'
with signs 54-2 & 54-9Set a steel post 8' Long South 2.3'
with signs 54-2

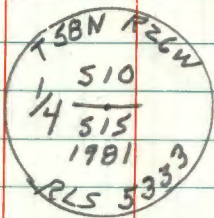
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T58N R26W

1/4 corner Section 10¹/₅

Point for Corner Set by Donn Pepper RLS

Set a 2" x 5' Gal Iron pipe with
brass Cap marked.

From which bears

Aspen	8"	N81E	3.73'	scribed	1/4 510 BT
Balsam	6"	S31W	21.54'	"	1/4 515 BT
Maple	4"	S8W	32.66	"	1/4 515 BT
Birch	5"	S77E	27.79	"	1/4 515 BT

Set a steel post 8' long North 1.8'
with signs 54-2 & 54-9Set a steel post 8' long West 1.9'
with sign 54-2

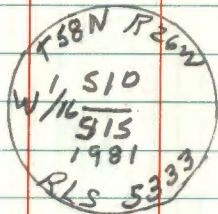
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T58N R26W

West $\frac{1}{16}$ sections 10 & 15

Point for Corner set by Donn Pepper P.L.S

Set 2"x5' Gal. Iron pipe with
brass Cap marked

from which bears

Maple	6"	N55W	5.37'	scribed	W $\frac{1}{16}$ S10 BT
R. Oak	12"	S31W	5.09'	"	W $\frac{1}{16}$ S15 BT
R. Oak	12"	S60E	33.58	"	W $\frac{1}{16}$ S15 BT

Set steel post 8' Long East 3.2'
with sign 54-2Set steel post 8' Long North 3.2'
with signs 54-2 & 54-9

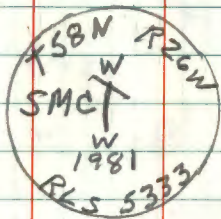
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T58N R26W

S.M.C. West $\frac{1}{16}$ line south shore
Caribou Lake

point set for corner by Donn Pepper R.L.S.

Set a 2" x 5" Gal. Iron pipe with
brass Cap marked

from which bears

Spruce 4"	N65E	8.71'	scribed	X BT
Spruce 6"	N89W	7.96	"	SMC S10 BT
Birch 6"	S13E	14.81'	"	SMC S10 BT

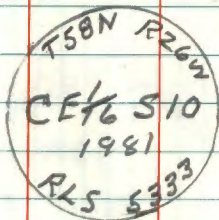
Set a steel post 8' long North
with signs 54-2 & 54-9

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T58N R26W

Center East $\frac{1}{16}$ Section 10

point for corner set by Donn Pepper RLS

Set a 2" x 5" Gal. Iron pipe with
brass cap marked

from which bears

Maple 3" N18E 12.68' Barkscribed XBT

Basswood 8" N16W 63.05' scribid CE 1/16 S10 BT

Maple 4" S38W 59.25' " CE 1/16 S10 BT

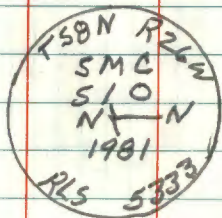
set a steel post 8' long North 1.9'
with signs 54-2 & 54-9set steel post 8' long West 4.0'
with sign 54-2

8/4/81 Ronald Olson

T58 N R26W

S.M.C. North $1/16$ Line East
side Caribou Lake

point for corner set by Donn Pepper R.L.S.

set a 2" x 3' Gal Iron pipe with
brass cap marked

from which bears

Birch 11"	N3E	14.01	scribed	SMCS10 RT
X Rock $1\frac{1}{2}$ ' x $1\frac{1}{2}$ '	N25W	6.95'		
X Rock 2' x 2'	S20W	2.16'		

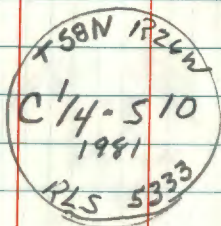
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T58N R26W

Center 1/4 corner Section 10

point for corner set by Donn Pepper RLS

Set a 2" x 5' Galv. Iron pipe with
brass cap marked -

from which bears

R. Pine	17"	N60E	10.60'	Scribed	C1/4-510 BT
R. Pine	16"	S13E	64.83'	"	"
Spruce	16"	S53E	54.42'	"	"

Set a steel post 8' long South 3.0'
with signs 54-2 & 54-9

Set a steel post 8' long East 5.5'
with sign 54-2

8/5/81 Ronald Olsen

T5BN R26W

QUARTER CORNER TO SECS. 10 & 11.

12/21/01

AT A POINT FOR THE CORNER AS
DETERMINED BY DONN PEDDER WE
SET A 5' BY 2" GALVANIZED, CONCRETE
FILLED IRON PIPE WITH A BRASS TABLET
STAMPED:

T5BN R26W
14

S10 S11

1901

RLS 5333

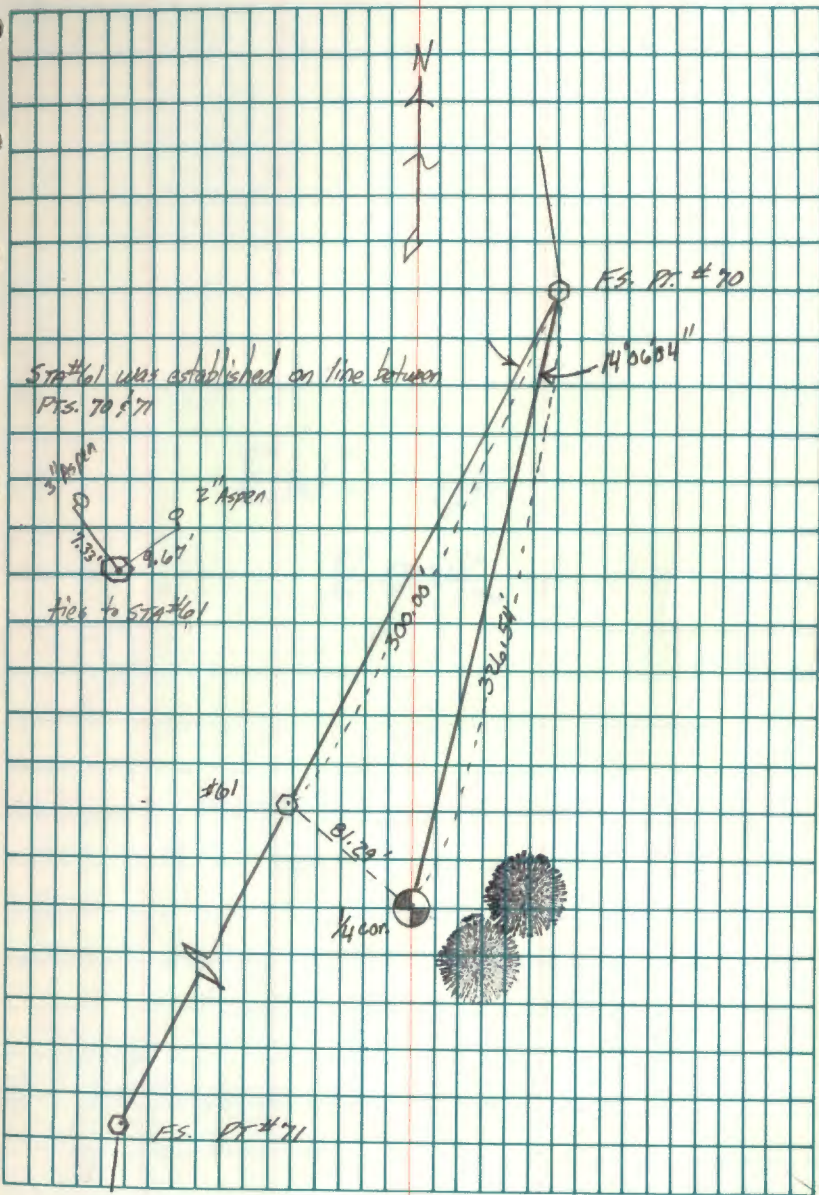
FROM WHICH BEARS:

W. SPRUCE 8" N85°E 60.76' double blazed &
scribed 1/4 S 11 BT
16d nail 24" up in south face

W. SPRUCE 14" S55°E 39.95' double blazed &
scribed 1/4 S 11 BT
16d nail 10" up in SE face

Assumed 4½° East Declination on hand compass

Michael Fay
K. Smith



END OF
BOOK