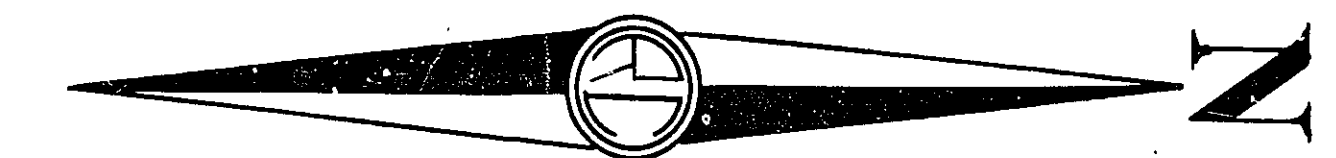


OFFICE OF COUNTY ENGINEER
 RAMSEY COUNTY
 PROGRESSIVE ROAD MAP
 OF
HIGHWOOD AVENUE
 FROM City Limits TO East County Line

TOTAL LENGTH 5244.0 FT. 0.99 MILES
 SCALE: 1" = 100'



S.E. 1/4 SEC. 25-30-22

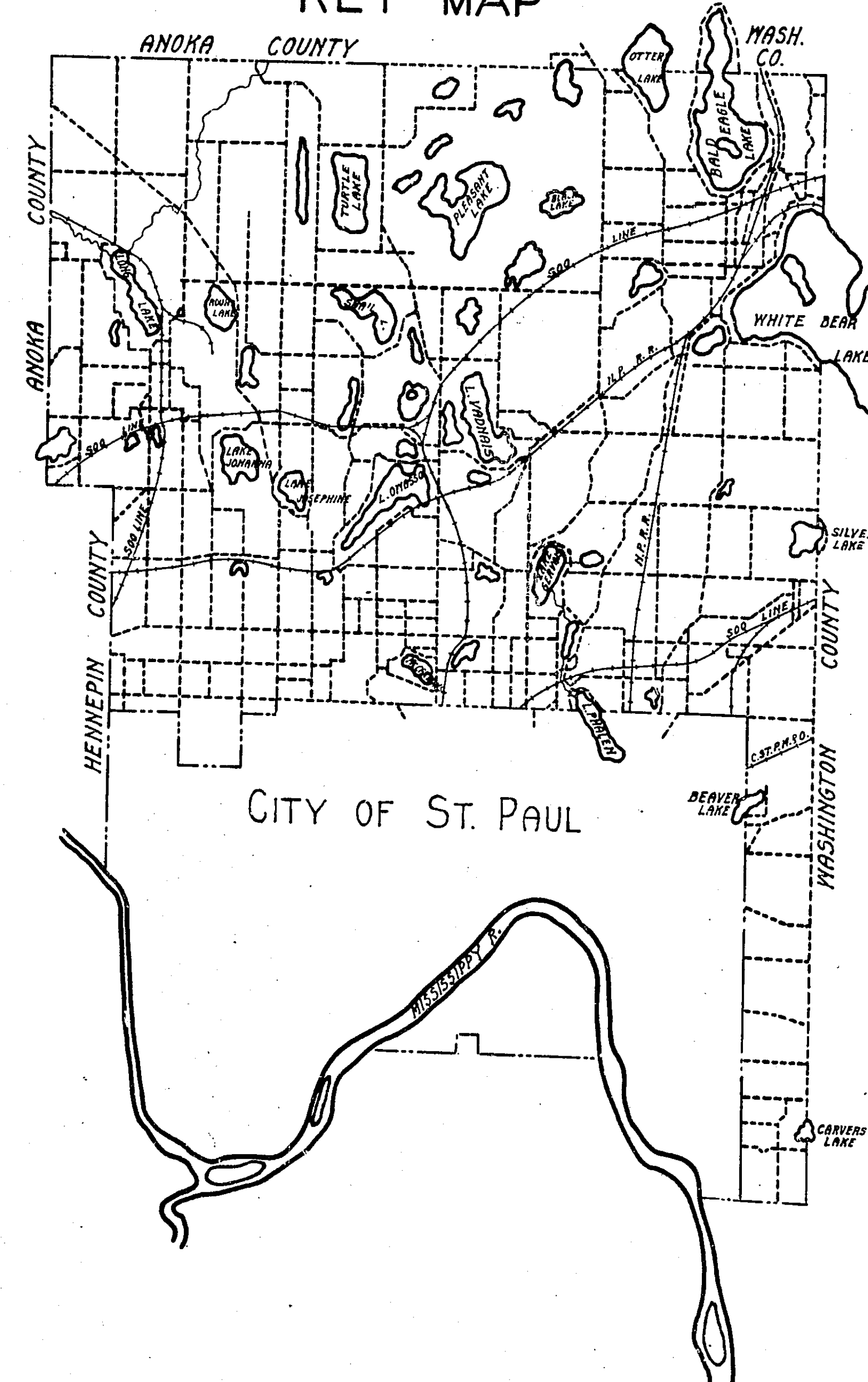
CONVENTIONAL SIGNS & ABBREVIATIONS

ITEM	CONVENTION	ABBREV.
County Line	---	
Township Line	---	
Section Line	---	
City or Village	---	
Fence	---	
Right-of-Way Line	---	R.O.W.
Earth Road - not standard	---	Rd.
Graveled on Grade not standard	---	G.
Graveled to Standard	---	Gr.
Graded & Graveled to Stand.	---	Gr. & G.
Bituminous Treated	---	B.H.Tr.
Gravel	---	Gr.
Farm Entrance	---	F.E.
Railroads	---	R.R.
Retaining Walls	---	R.W.
Guard Rail	---	G.R.
Survey Line	---	S.
Gravel Pit	---	Gr. Pit
Sand Pit	---	Sand Pit
Clay Pit	---	Clay Pit
Culverts	---	
" Plain	-----	
" With Headwalls	-----	
Manhole	○	M.H.
Catch Basin	○	C.B.
Electric Poles	◇	E.P.
Telephone or Telegraph Poles	◇	T.P.
Trolley Poles	◇	T.P.
Road Lamps	◇	R.L.
County Marking Signs	■	
" Guide	■	M. sign
" Caution	■	G. sign
" Reflector	■	C. sign
" Rail Crossing	■	R. sign
Railroad - Crossing Sign	■	R.R. sign

ITEM	ABBREV.
Surfacing	S
Sectional Conc. Culv. (light type)	P-1
Sectional Conc. Culv. (heavy type)	P-2
Corrugated Metal Culvert	C.M.
Vitrified Clay Pipe	V.P.
Cast Iron Pipe	C.I.P.
Private	Pr.
In place	Imp.
Right	Rt.
Left	Lt.
Intersection Angle	Δ
Radius	R.
Point of Curve	P.C.
" " Tangent	P-T
" " Intersection	P-I
" " on Curve	P-O-C
" " Tangent	P-O-T

Surveyed by	Dates
C.W. Soukup	11-28
Mapped by	Dates
M.W. Carley	12-30
Revised by	Dates
	</

KEY MAP



505+00

510+00

515+00

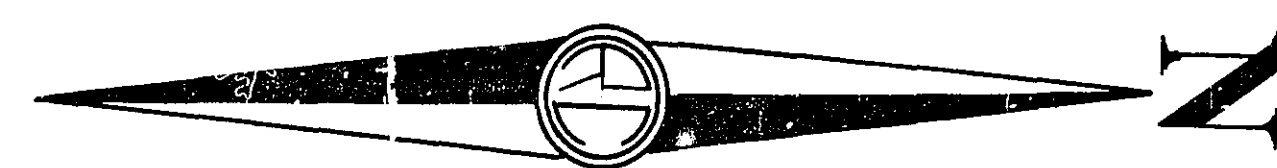
520+00

525+00

S.W. 1/4 SEC. 30-30-21

P.O.T. 517+43.10

F 21 / 25



NE 1/4 SEC. 25-30-22

N00°39'E

N00°56'E

525+00

530+00

535+00

540+00

545+00

550+00

555+00

Twin City

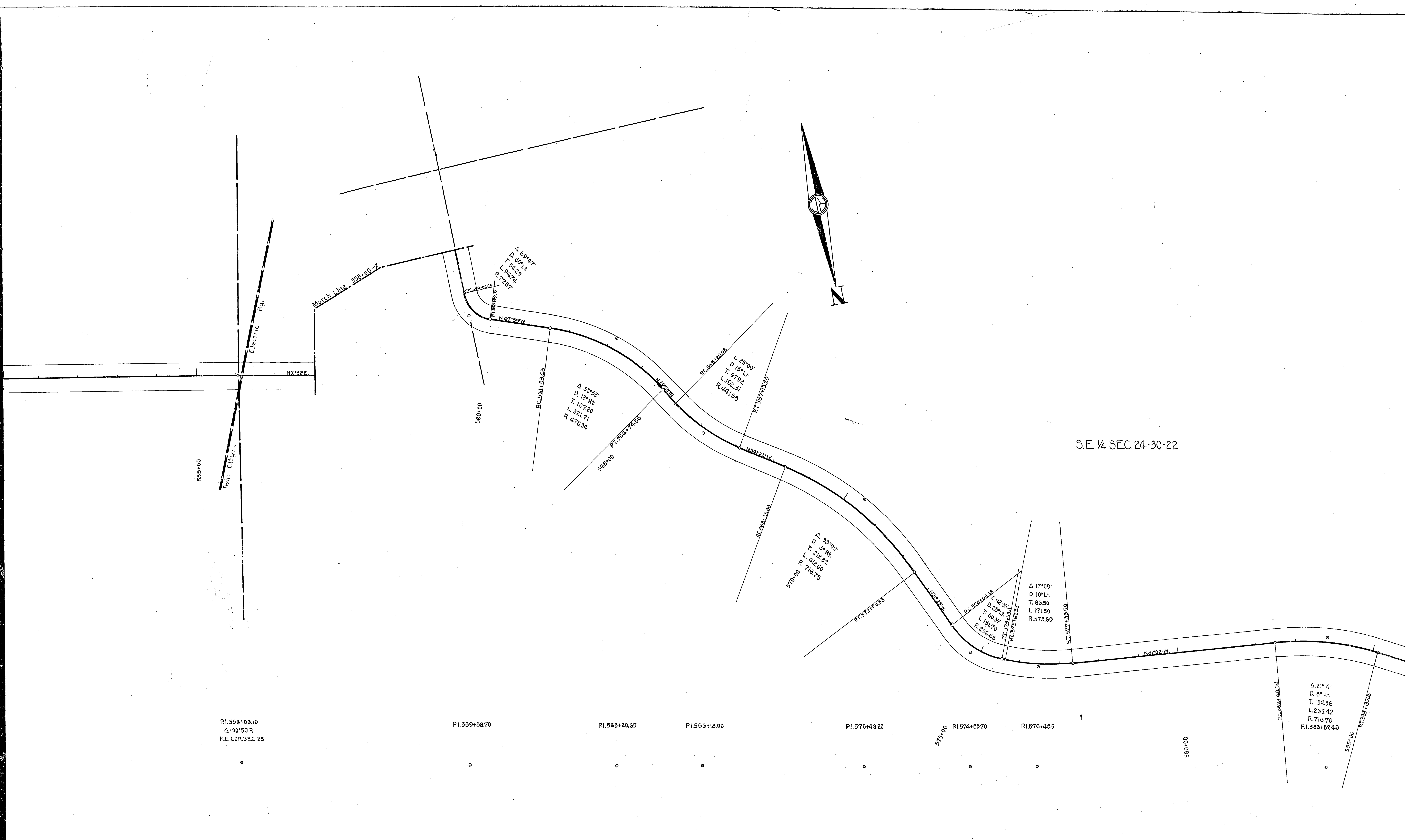
N.W. 1/4 SEC. 30-30-21

PI. 529+68.80
Δ 00°43' L.
E. 1/4 COR. SEC. 25

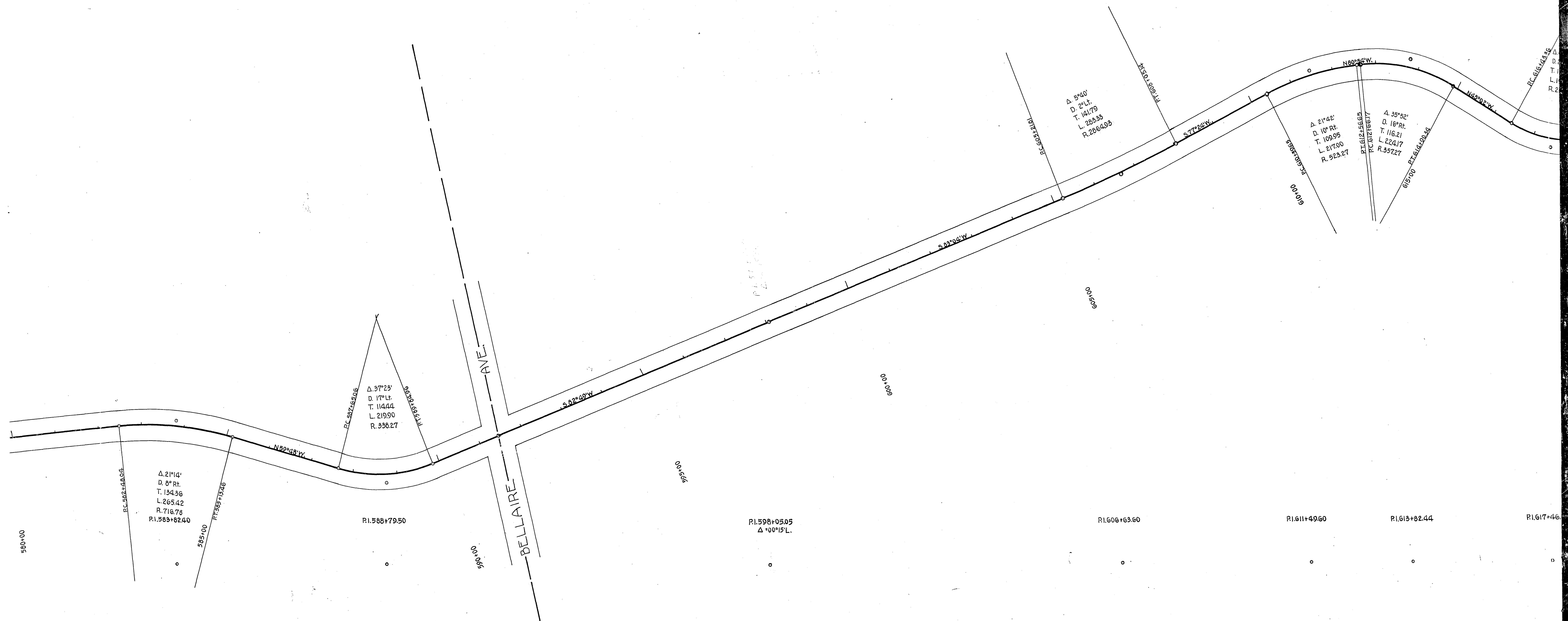
P.O.T. 544+88.5

PI. 556+06.1
Δ 00°56' R.
N.E. COR. SEC.

F 22 / 25

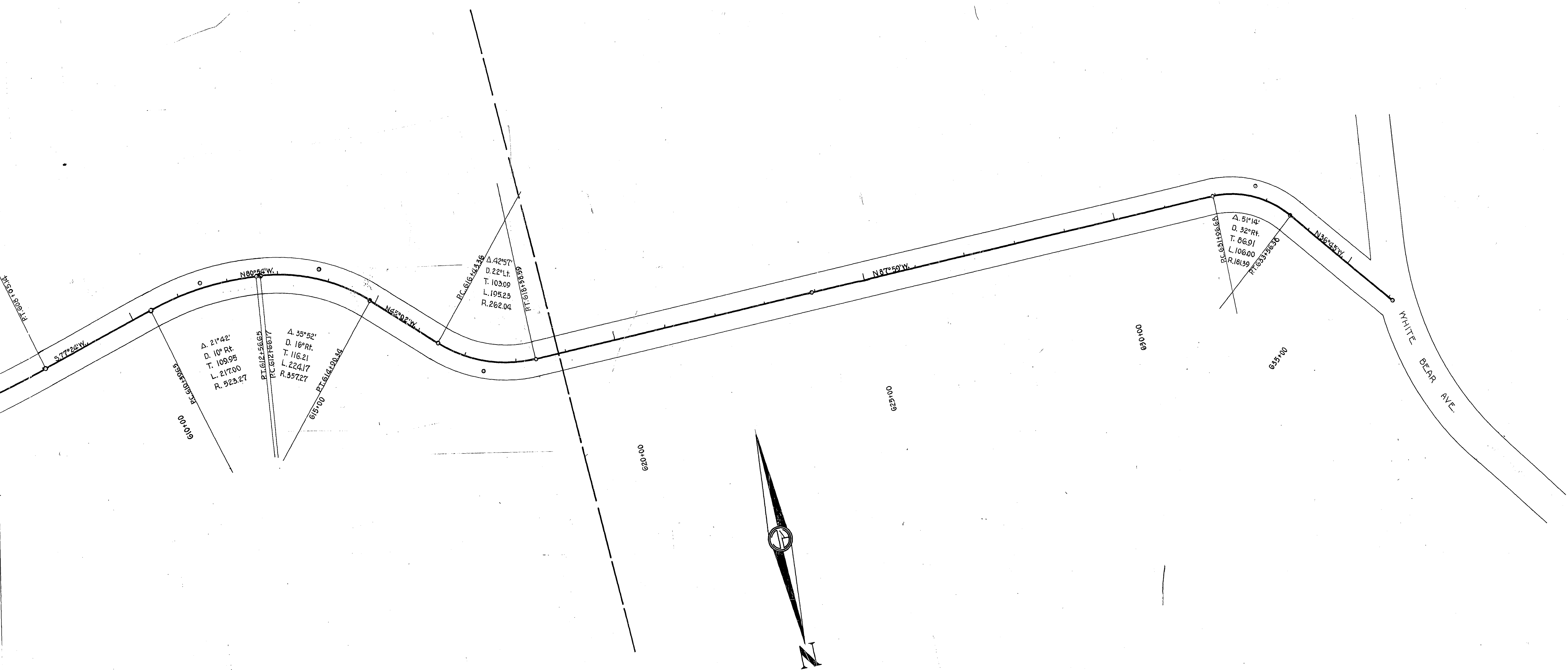


S.W. 1/4 SEC. 24-30-22



F 24 / 25

SE 1/4 SEC. 23-30-22



P1.611+49.60

P1.613+82.44

P1.617+46.45

P0.T.623+94.20

P1.632+83.65

P0.T.636+09.10

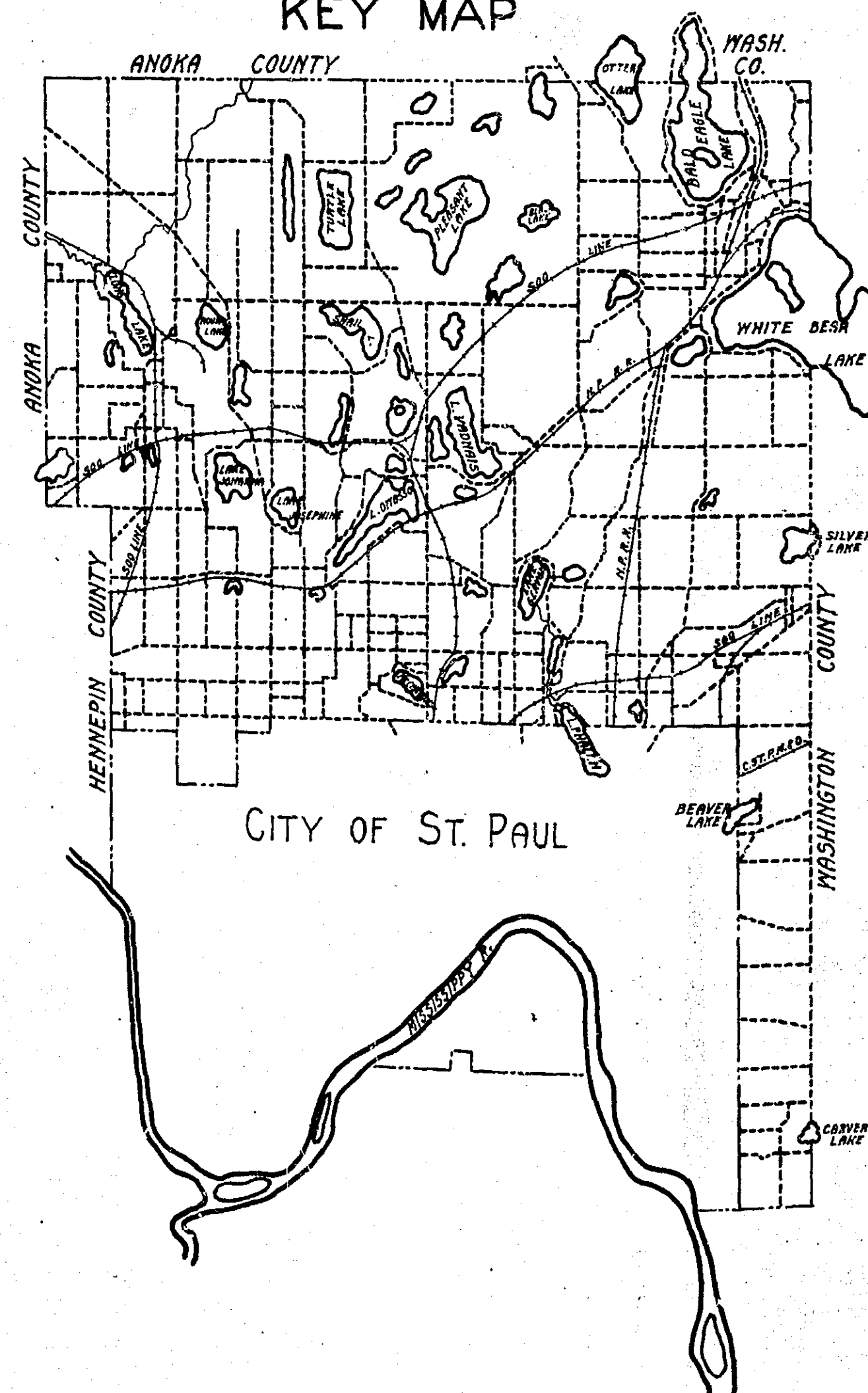
F 25 / 25

**OFFICE OF COUNTY ENGINEER
RAMSEY COUNTY
PROGRESSIVE ROAD MAP
OF
SILVER LAKE RD.
FROM WEST COUNTY LINE TO FAIRCHILD AVE.**

TOTAL LENGTH 2487.69 FT. 0.471 MILES
SCALE: 1"=100'

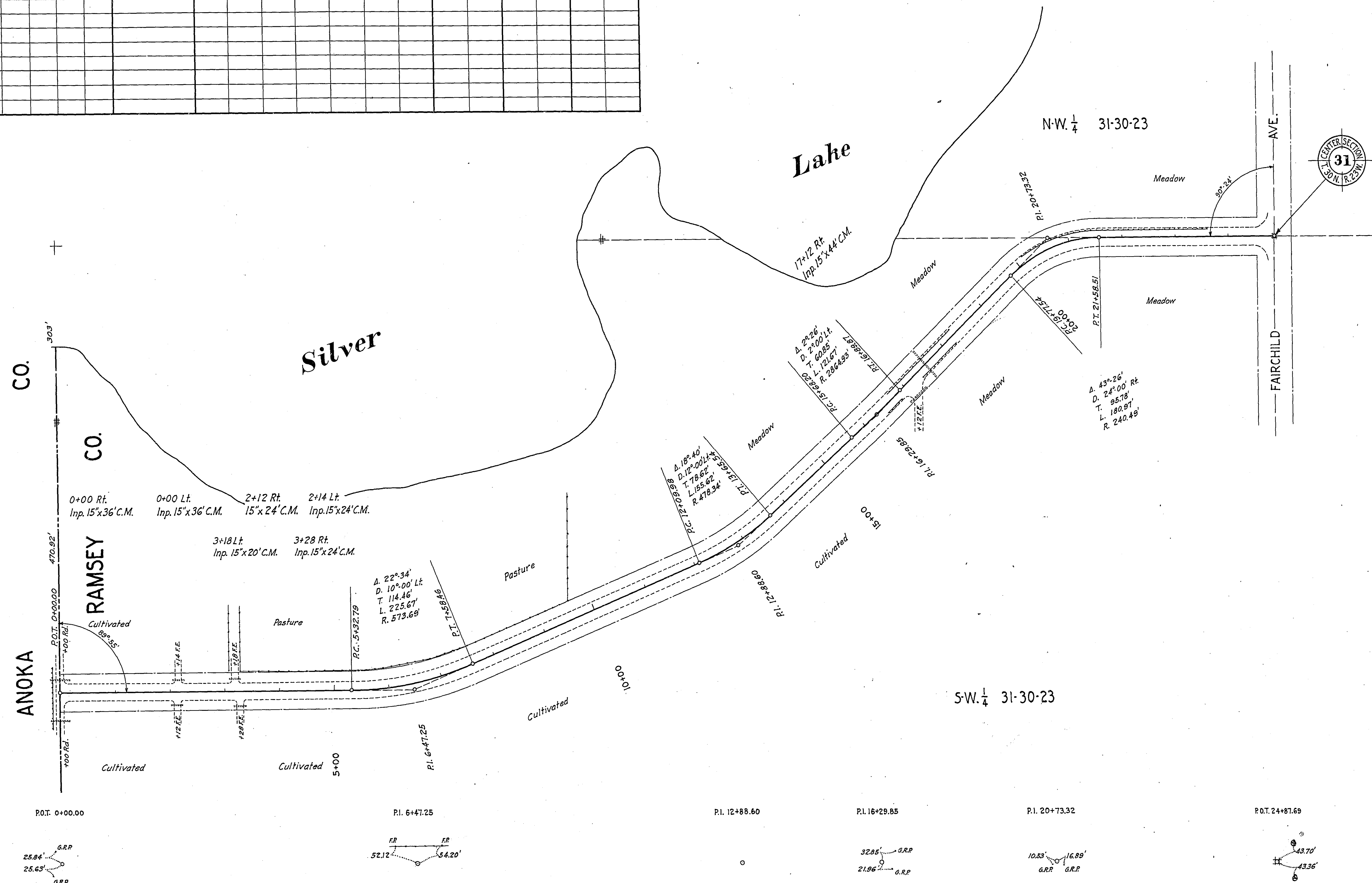
[illegible]

KEY MAP



SUMMARY

0+00.00 to 24+87.69

[illegible]

OFFICE OF COUNTY ENGINEER
RAMSEY COUNTY
PROGRESSIVE ROAD MAP
OF
EAST COUNTY LINE ROAD &
SOUTH SHORE BLVD.
FROM Highwood Ave. TO White Bear Ave.

TOTAL LENGTH 63609.1 FT. 12.05 MILES
SCALE: 1" = 100'

CONVENTIONAL SIGNS & ABBREVIATIONS

ITEM	CONVENTION	ABBREV.	ITEM	ABBREV.
------	------------	---------	------	---------

County Line	---	
Township Line	---	
Section Line	---	
City or Village	---	
Fence	---	
Right-of-Way Line	R.O.W.	
Earth Road - not standard	Rd.	
Graveled on Grade not standard	G.	
Graded to Standard	Gr.	
Graded & Graveled to Stand.	Gr. & G.	
Bituminous Treated	Bit.Tr.	
Paved	Pvd.	
Form Entrance	F.E.	
Railroads	R.R.	
Retaining Walls	R.W.	
Guard Rail	G.R.	
Survey Line	S	
Gravel Pit	GP	
Sand Pit	SP	
Clay Pit	CP	
Culverts		

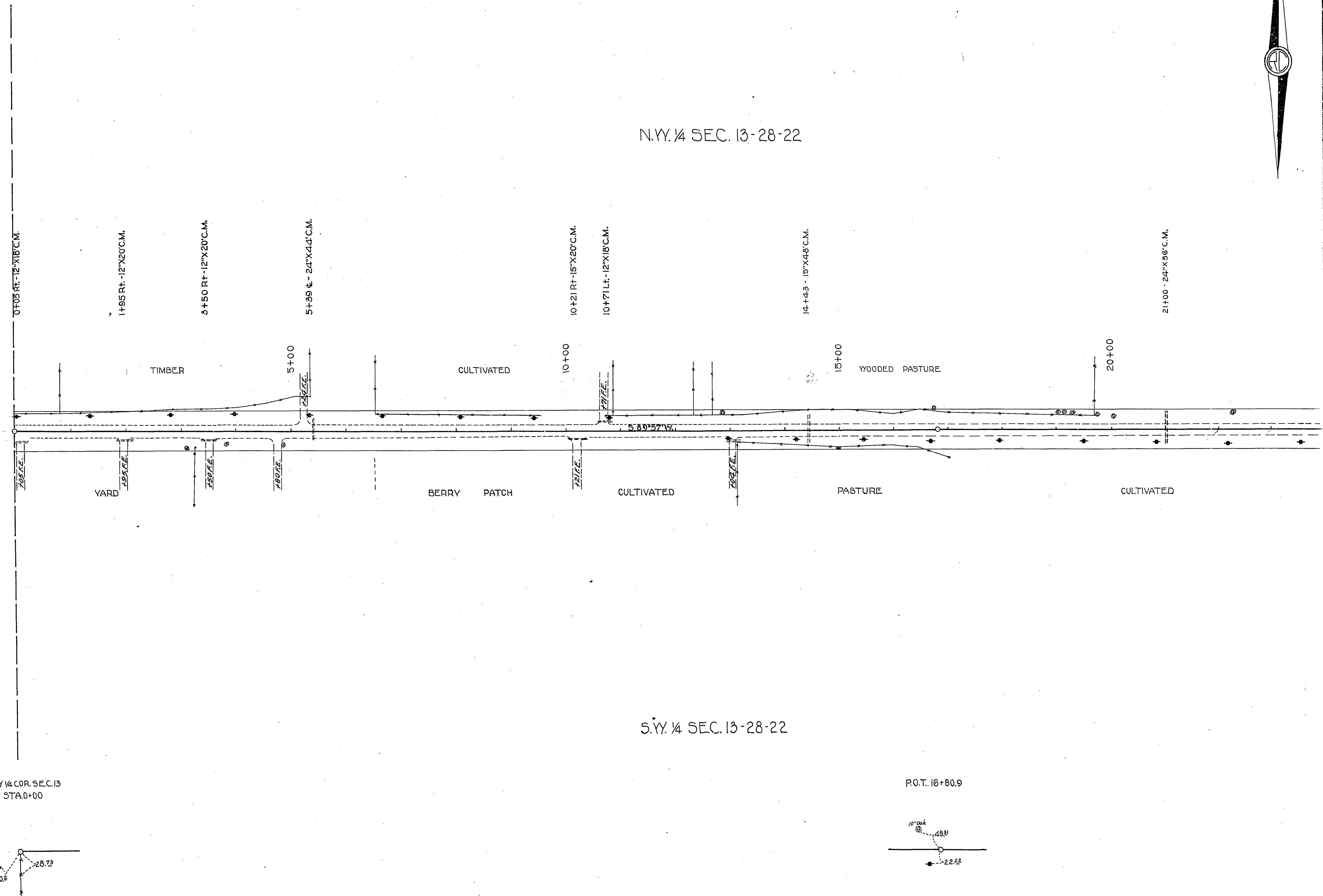
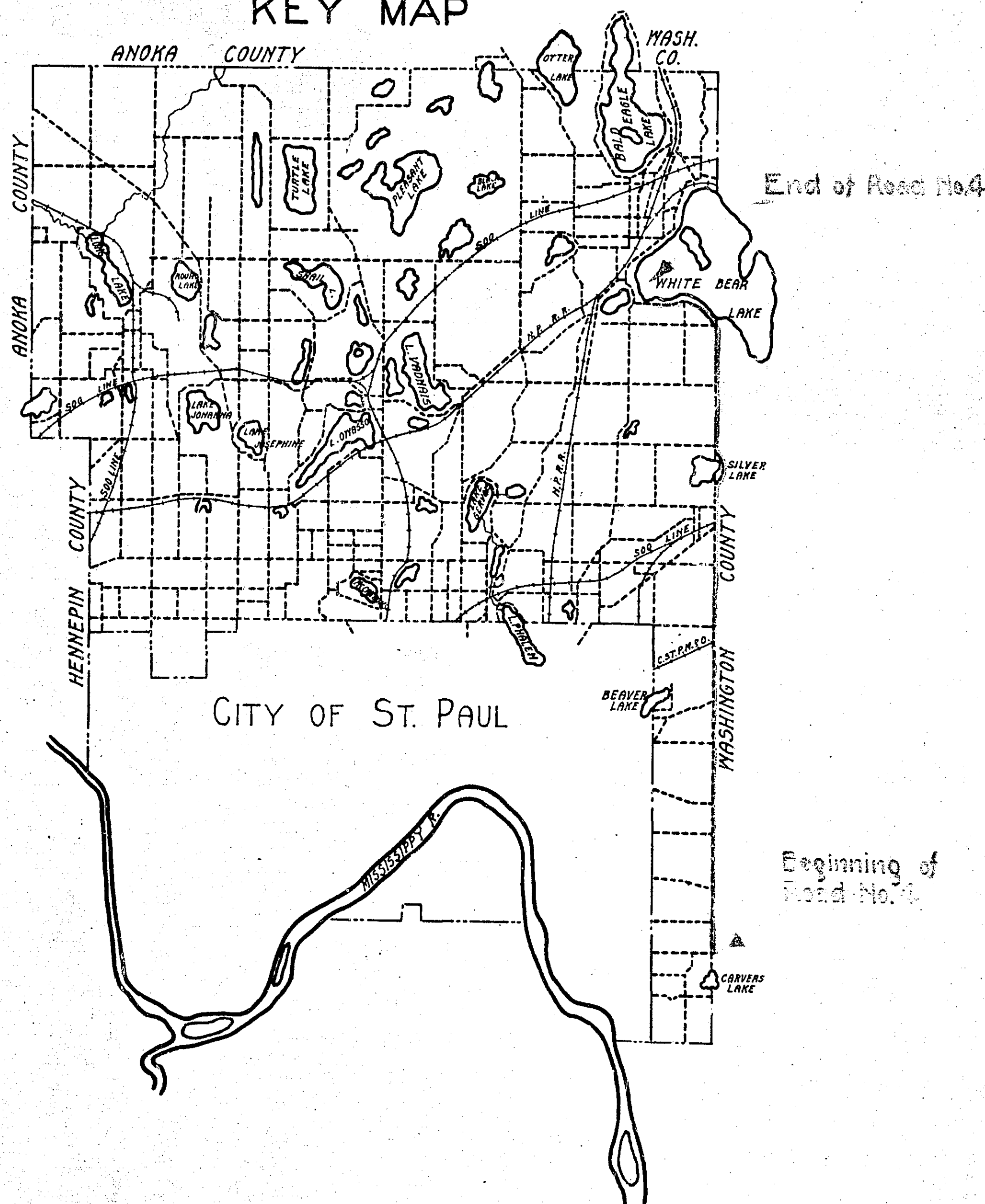
Plain	=====	
With Headwalls	=====	
Manhole	M.H.	
Catch Basin	C.B.	
Electric Poles	E.P.	
Telephone or Telegraph Poles	T.P.	
Trolley Poles	T.P.	
Road Lamps	R.L.	
County Marking Signs	M. sign	
" Guide	G. sign	
" Caution	C. sign	
" Reflector	R. sign	
Rail Crossing	R.C. sign	
Railroad - Crossing Sign	Xing sign	

Surfacing	S
Sectional Conc. Culv. (light type)	P-1
Sectional Conc. Culv. (heavy type)	P-2
Corrugated Metal Culvert	C.M.
Vitrified Clay Pipe	V.P.
Cast Iron Pipe	C.I.P.
Private	Pri.
In place	Imp.
Right	RT.
Left	LT.
Intersection Angle	Δ
Radius	R
Point of Curve	P.C.
" Tangent	P-T
" Intersection	P-I
" on Curve	P-O-C
" Tangent	P-T

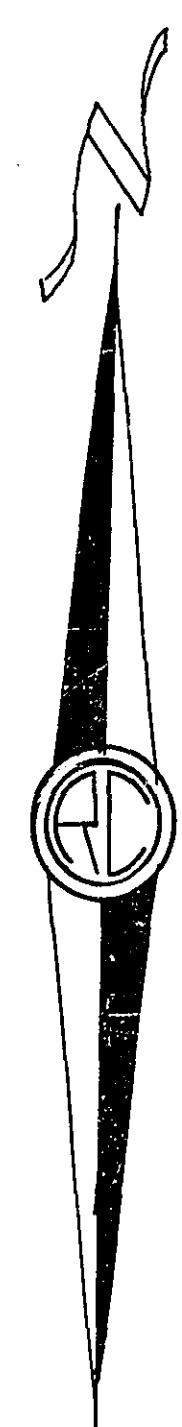
Surveyed by	Dates
P.J. Crane	10-25
Mapped by	Dates
M.W. Carley	12-30
Revised by	Dates

Surveyed by	Dates
P.J. Crane	10-25
Mapped by	Dates
M.W. Carley	12-30
Revised by	Dates

KEY MAP



2-0 X F-1 / 2-5



N.E. 1/4 SEC. 13-28-22

21+00 - 24' X 36' C.M.

24+69 Lt. - 15' X 24' C.M.

25+74 Rt. - 15' X 24' C.M.

27+95 Rt. - 15' X 20' C.M.

32+04 - 24' X 62' C.M.

42+27 Rt. - 12' X 20' C.M.

43+64 Lt. - 12' X 18' C.M.

45+30 Rt. - 12' X 20' C.M.

49+10 Rt. - 24' X 39' V.P.

20+00

25+00

30+00

35+00

40+00

45+00

50+00

WOODED PASTURE

PASTURE

WOODS

PASTURE

CULTIVATED

CULTIVATED

RE

CULTIVATED

CULTIVATED

BERRY

PATCH

MEADOW

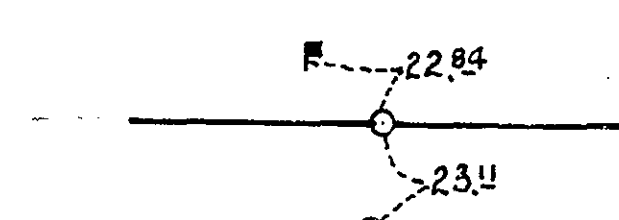
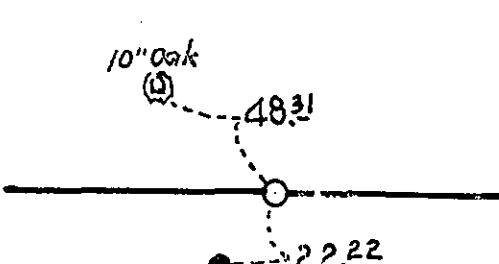
CULTIVATED

S.E. 1/4 SEC. 13-28-22

P.O.T. 16+80.9

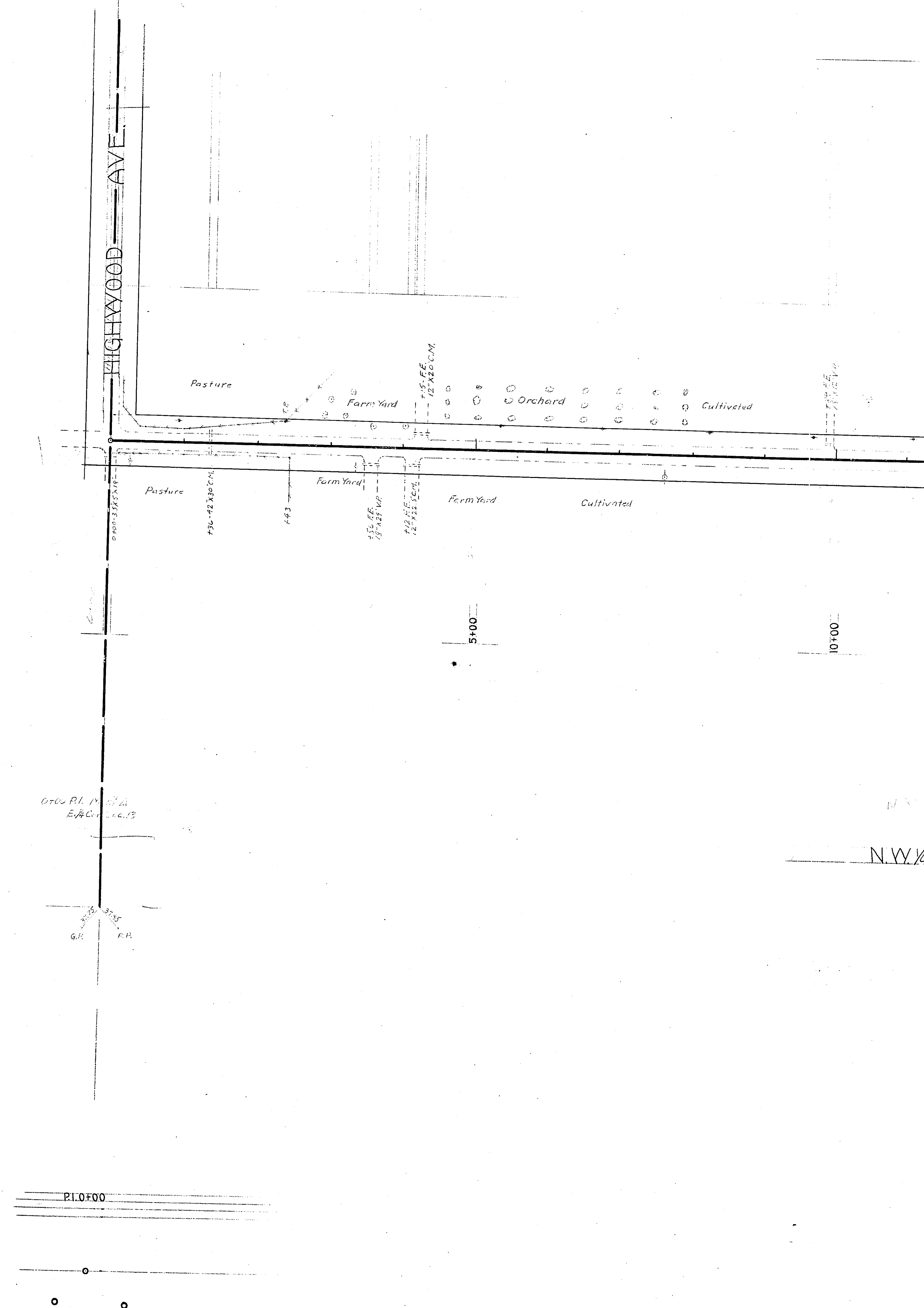
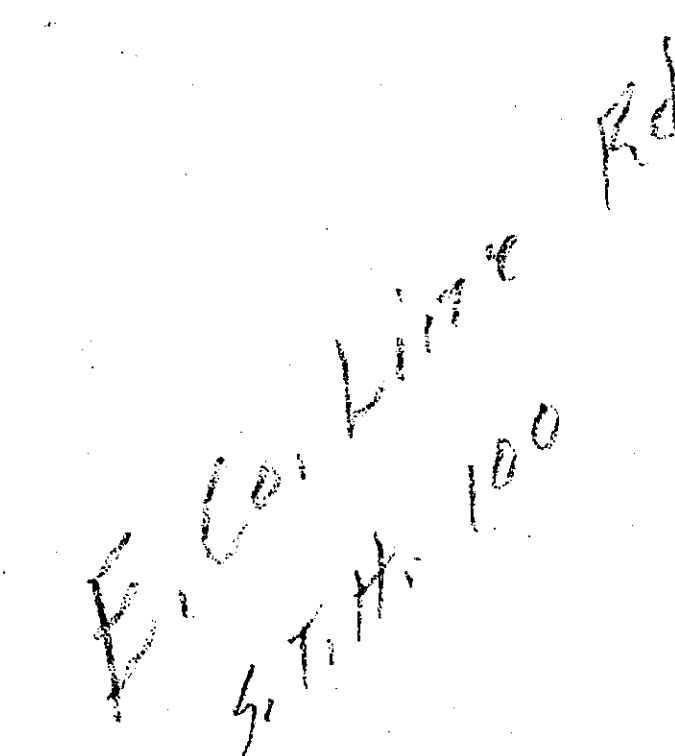
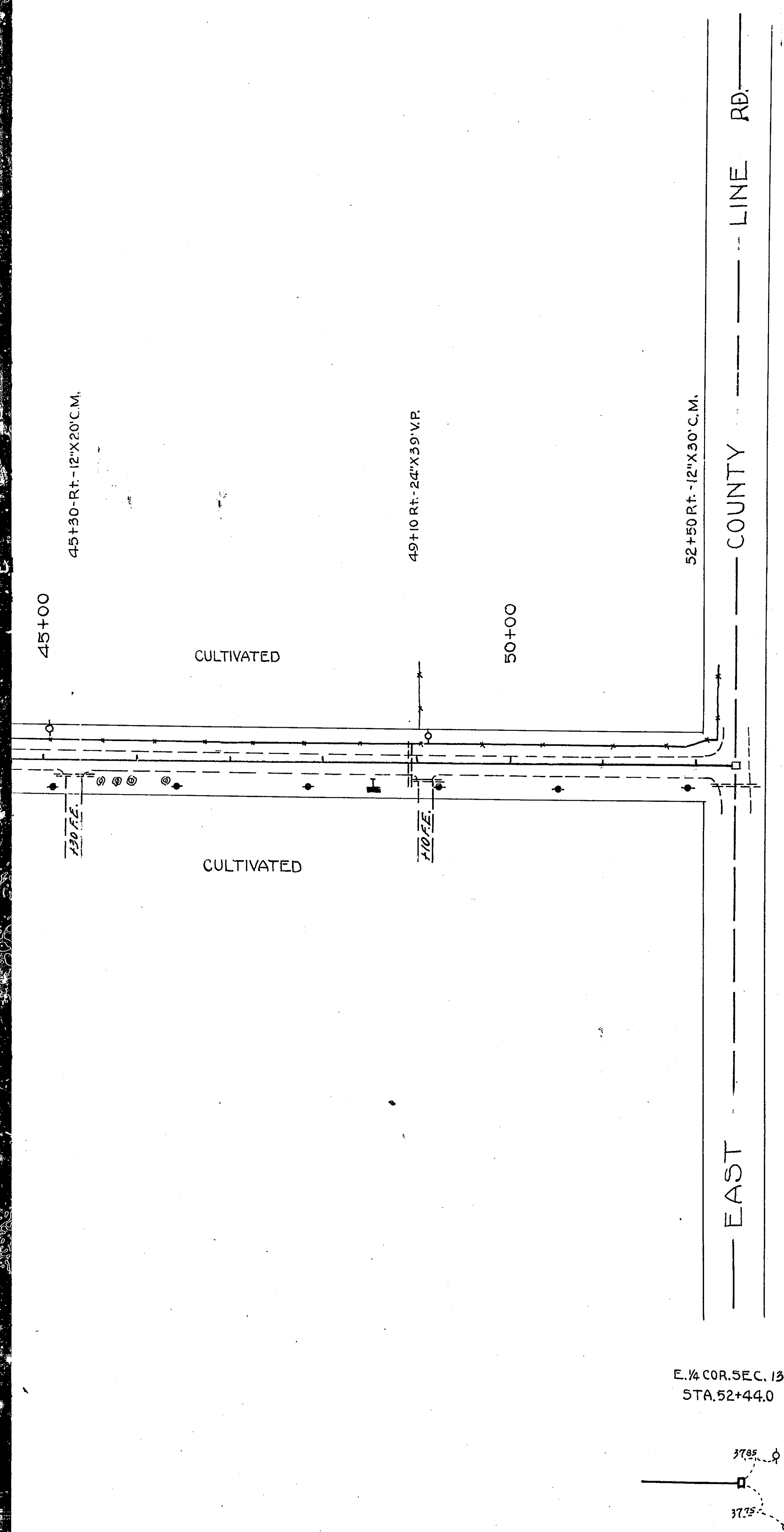
CENTER OF SEC. 13
R.I. STA. 25+95.9
 $\Delta = 10^{\circ}03'11''$

P.O.T. 36+93.4



F 2 / 25

STA.0+00 TO STA.52+60

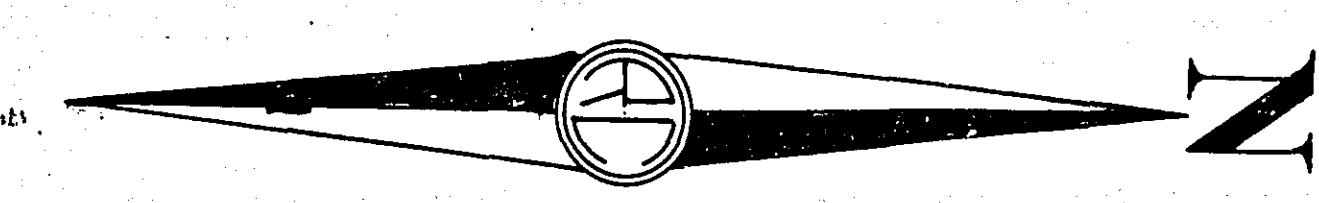
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F-3 / 2-5

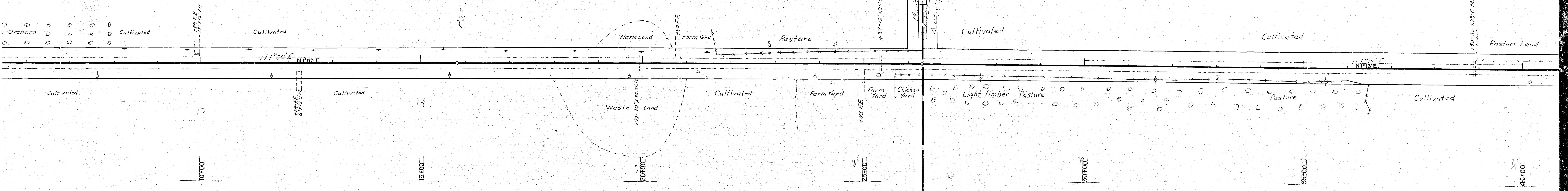
NE 1/4 Sec 13-28-22

N.E. 1/4 SEC. 13-28-22

S.E. 1/4 Sec. 12-28



Linwood Ave



N.W. 1/4 Sec. 18-28-21

N.W. 1/4 SEC. 18-28-21

S.W. 1/4 Sec. 7-28-21

S.W. 1/4 SEC. 7-28

Point 15180.75
T.P. 38.75
P.P.

Point 26314
T.P. 26314
S.E. 1/4 Sec. 12

Point 15180.75

Point 26314
T.P. 26314
S.E. 1/4 Sec. 12

S.E. 1/4 Sec. 12-28-22
SE 1/4 SEC. 12-28-22

N.E. 1/4 Sec. 12-28-22
NE 1/4 SEC. 12-28-22

170-36' X 33' C.M.

Pasture Land

Cultivated

P.O.T. 43+62.6

170-36' X 33' C.M.

Cultivated

Cultivated

LOWER AFTON ROAD

170-36' X 33' C.M.

P.I. 64+22.8

Cultivated

Cultivated

Cultivated

Cultivated

S.W. 1/4 Sec. 7-28-21

SW 1/4 SEC. 7-28-21

P.O.T. 43+62.6

No Ties

P.I. 52+73.25
Δ 0° 25' 14" R.
E. 1/4 COR. SEC. 12
M.O.P.

51.33' 9" R.
50.34' R.P.

N.W. 1/4 Sec. 7-28-21

NW 1/4 SEC. 7-28-21

P.I. 64+22.8
Δ 0° 25' 14" L.

P.I. 52+73.25
Δ 0° 25' 14" R.
E. 1/4 COR. SEC. 12

P.I. 64+22.8
Δ 0° 25' 14" L.

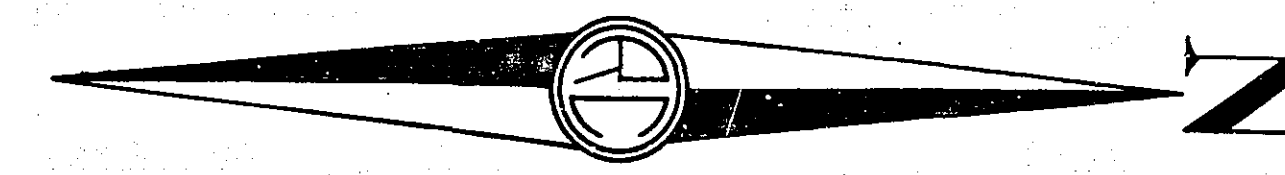
F-5 / 2.5

N.E. 1/4 Sec. 12-28-22

NE 1/4 SEC. 12-28-22

S.E. 1/4 Sec. 1-28-22

SE 1/4 SEC. 1-28-22



PL 691278
Δ 0° 23' 14"

Cultivated

Mint
11° 17' 45"
Δ 0° 09' 14"

Cult

Pasture

N 1° 06' E

Cult

N 00° 07' E

N 00° 08' E

Cultivated

Cultivated

Timber Land

Cult

Waste Land

65+00

70+00

75+00

80+00

85+00

90+00

95+00

N.W. 1/4 Sec. 7-28-21

NW 1/4 SEC. 7-28-21

PL 691278
Δ 0° 23' 14"

PL 791145
Δ 0° 09' 14"
S.E. COR. SEC. 1

S.W. 1/4 Sec. 6-28-21

SW 1/4 SEC. 6-28-21

TP
240'
350' 2P

No Res

PL 691278
Δ 0° 00' 23" L

PL 791145
Δ 0° 09' 14"
S.E. COR. SEC. 1

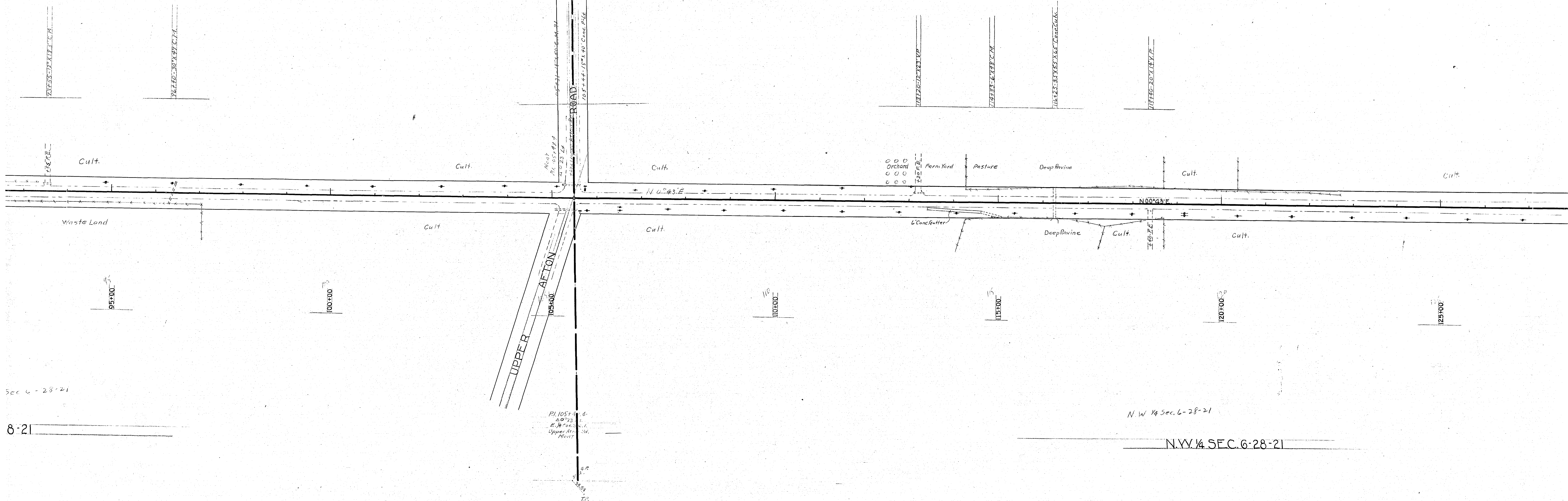
F-6/25

1-28-22

8-22

N.E. 1/4 Sec. 1-28-22

N.E. 1/4 SEC. 1-28-22



Sec 6-28-21

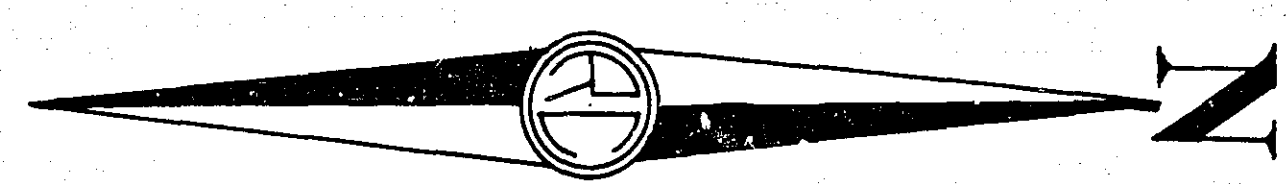
8-21

N.W. 1/4 Sec. 6-28-21

N.W. 1/4 SEC. 6-28-21

PL 105+14.4
Δ 00° 23' 1"
E 1/4 COR SEC. 1





S. E. 1/4 Sec. 36-29-22

S.E. 1/4 SEC. 36-29-22

Cult.

Cult.

Cult.

Yards

Yards

Woods & Yard

Woods

P.O.T. 153+46.6

Woods

Woods

Cult.

Tanagers Lake

Lake Shore Property

Lake Shore Property

Pasture

Pasture

Cult.

125+00

130+00

135+00

140+00

145+00

150+00

155+00

PI. 131+89.3
Δ 0°02' 24" R.
N.E. COR. SEC. 1

PI. 134+50.4
Δ 6°05' 24" L.

PI. 137+86.2
Δ 10°32' 14" R.

PI. 142+43.0
Δ 7°27' 24" L.

S.W. 1/4 Sec. 31-29-21

S.W. 1/4 SEC. 31-29-21

P.O.T. 153+46.6

S. 26.6°
41.69±
5.15
T.P.

PI. 131+89.3
Δ 0°02' 24" R.
N.E. COR. SEC. 1

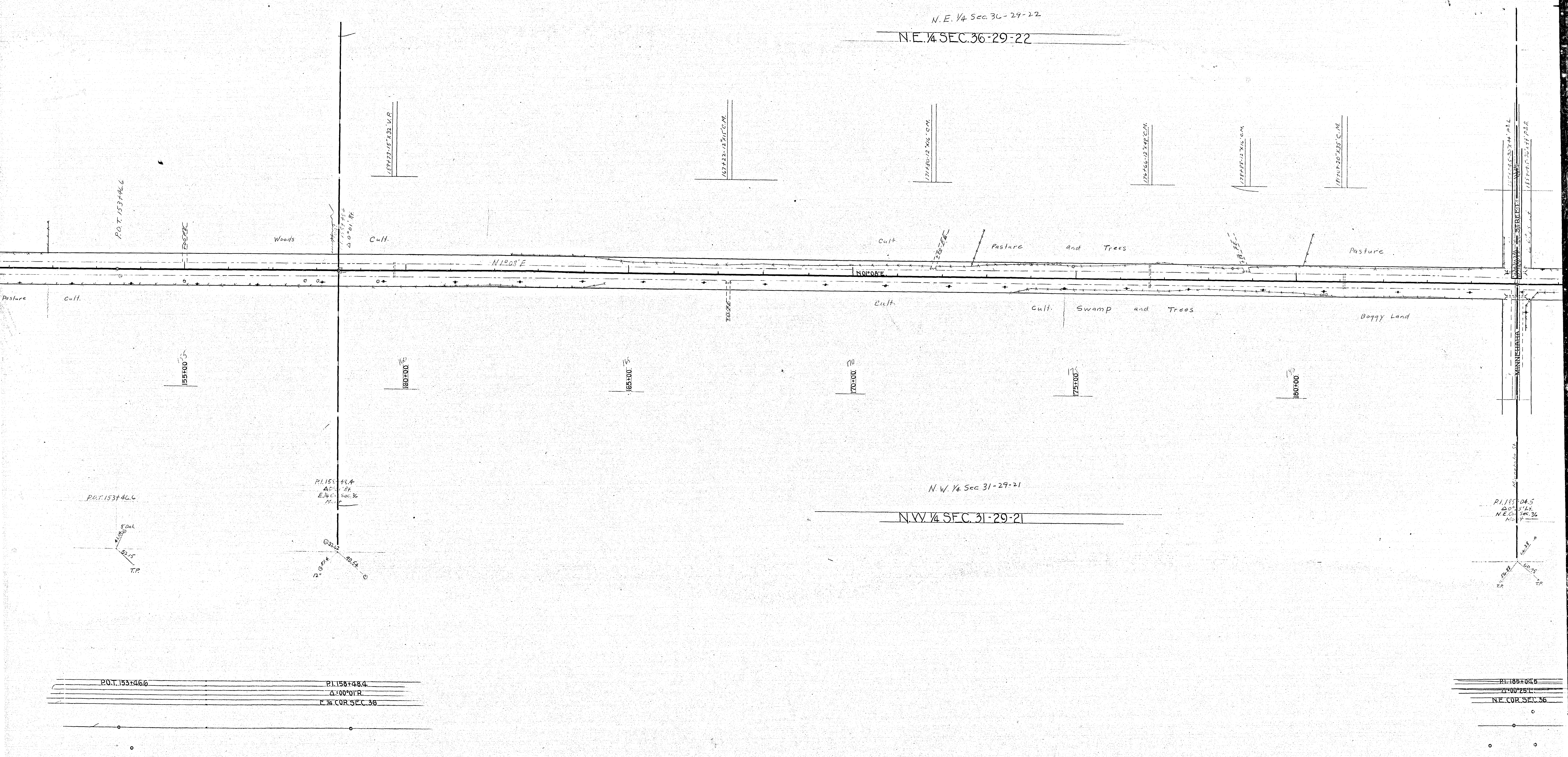
PI. 134+50.4

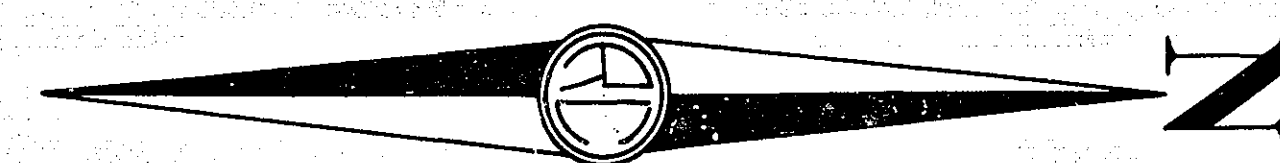
PI. 137+86.2

PI. 142+43.0

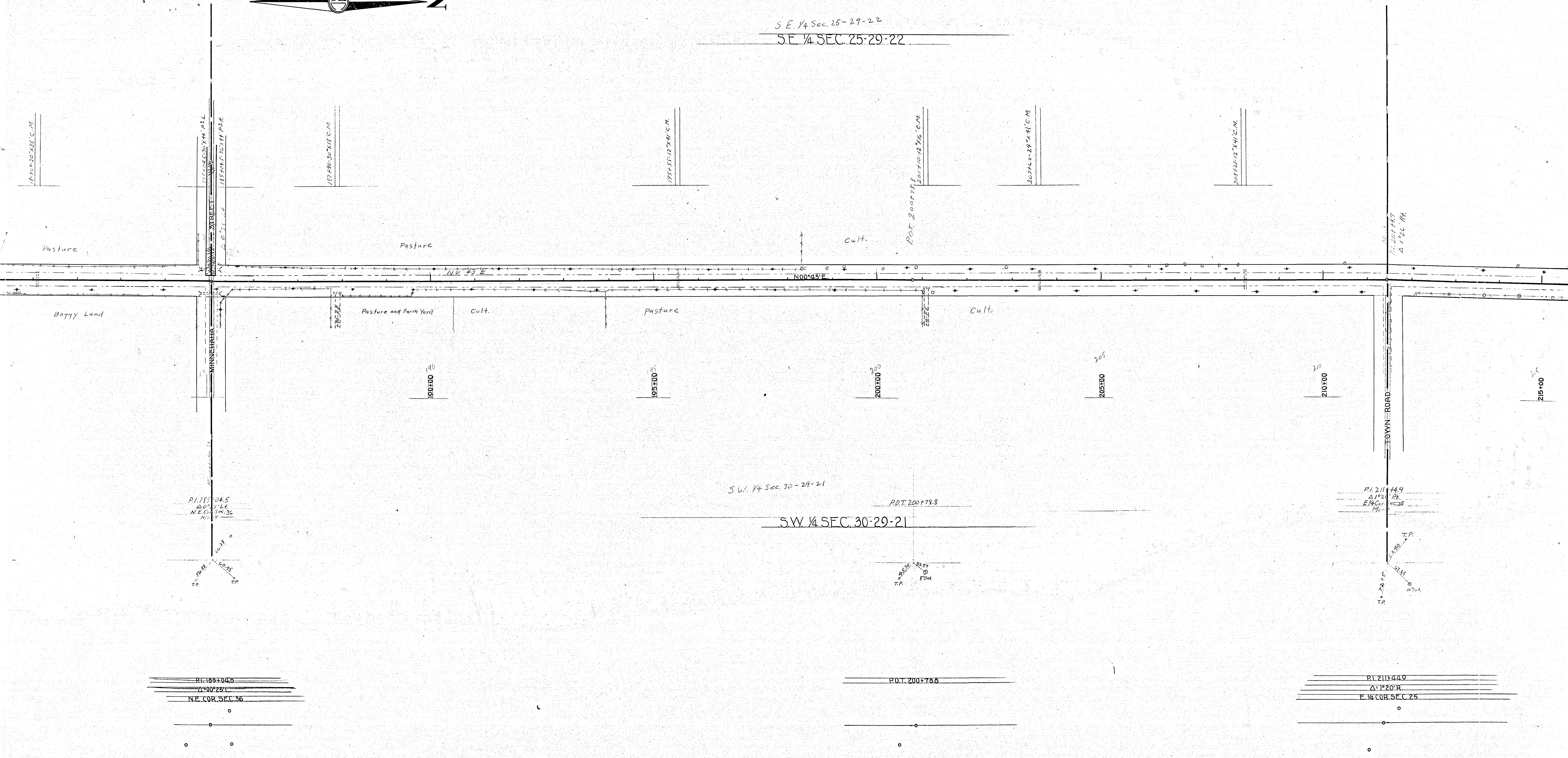
P.O.T. 153+46.6

F 8 / 25



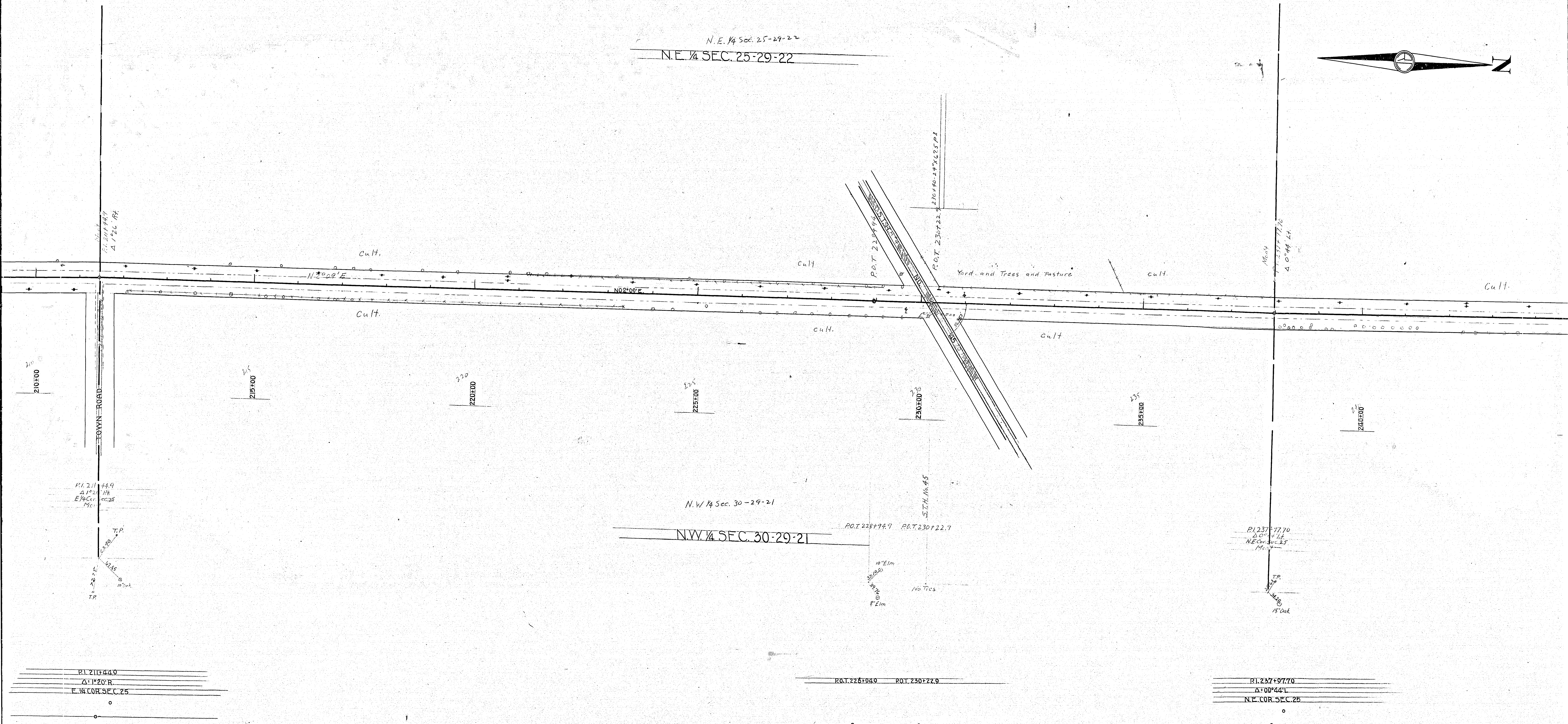
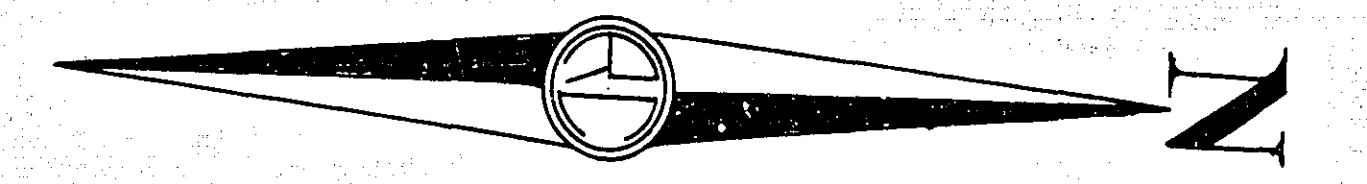


S.E. 1/4 Sec. 25-29-22
S.E. 1/4 SEC. 25-29-22



F-10/25

N.E. 1/4 Sec. 25-29-22
N.E. 1/4 SEC. 25-29-22



P.I. 211+44.9
Δ 1° 20' 14\"/>

N.W. 1/4 Sec. 30-29-21

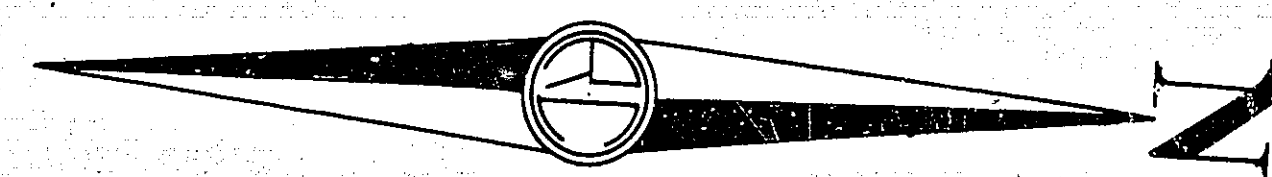
N.W. 1/4 SEC. 30-29-21

P.I. 237+97.70
Δ 0° 44' 44\"/>

P.I. 211+44.9
Δ 1° 20' 14\"/>

P.O.T. 228+94.9 P.O.T. 230+22.9

P.I. 237+97.70
Δ 0° 44' 44\"/>



S.E. 1/4 Sec. 24-29-22
S.E. 1/4 SEC. 24-29-22

344+78 12" X 34" V.P.
247+81-12" X 16" C.M.

255+72 12" X 35" V.P.

258+54-12" X 11" C.M. L.H.
258+65-12" X 12" X 14" Wooden Box C.M. R.

Cult.

N10°25'E

N10°25'E

Cult.

Farm Yard

Cult.

P1264+43.6
Δ 00' 01" R4

N10°26'E

240+00

245+00

250+00

255+00

260+00

265+00

270+00

S.W. 1/4 Sec. 19-29-21

S.W. 1/4 SEC. 19-29-21

P1264+43.6
Δ 00' 01" R4
E 1/4 Cor. Sec. 24
Merrill

T.P.
2537

6" Oak

10" Oak

P1264+43.6

Δ 00' 02" R.

E 1/4 COR. SEC. 24

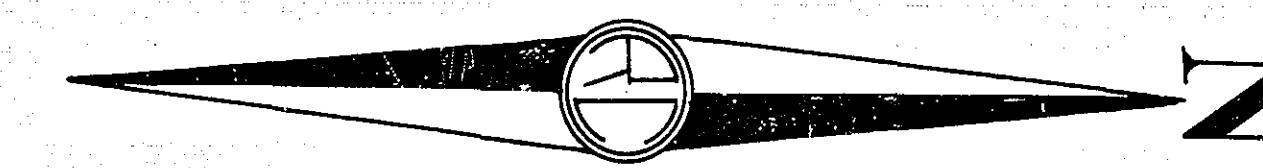
273+74.35
273+96.58

No Ties

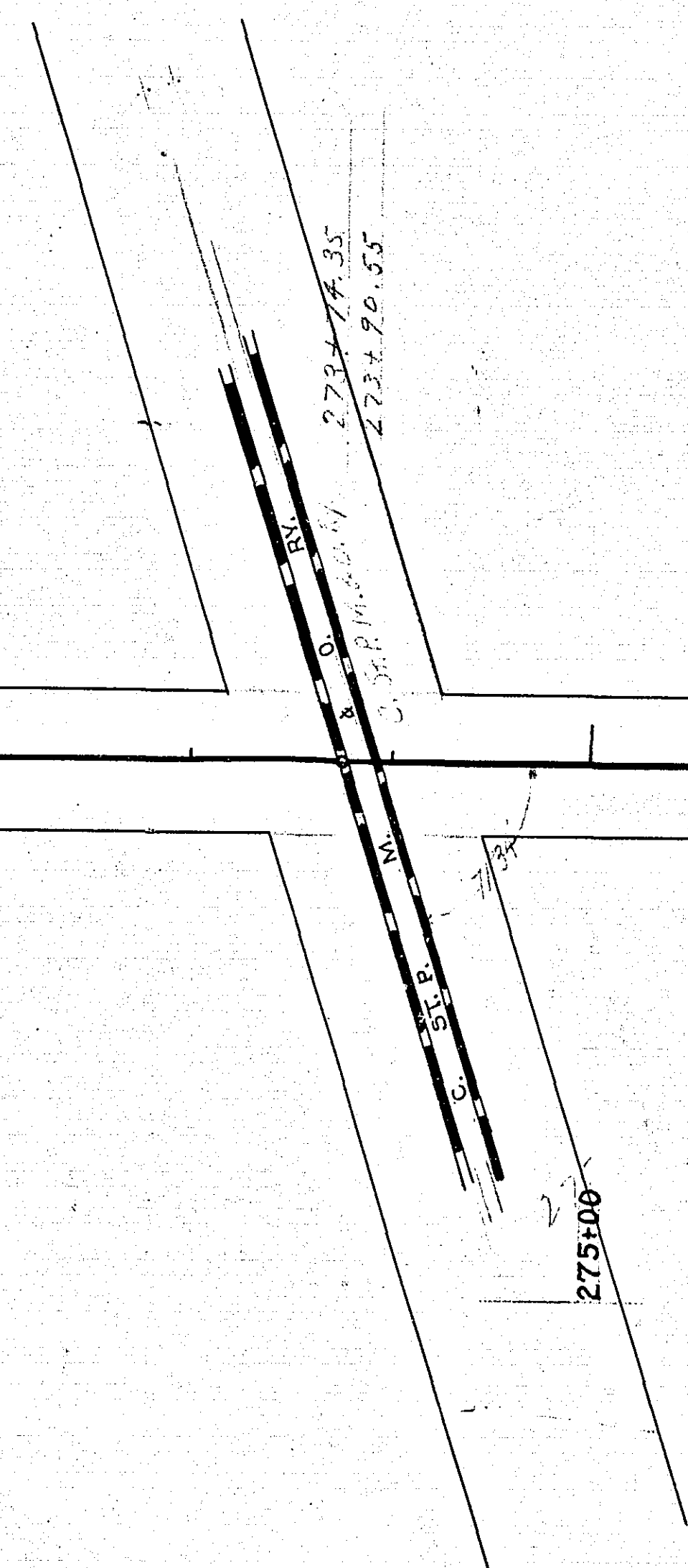
P.O.T. 273+74.35

P.O.T. 273+90.

F 12 / 25



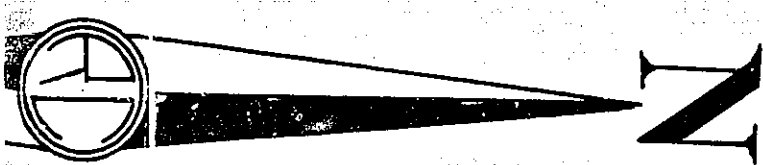
N.E. 1/4 Sec. 24-29-22
N.E. 1/4 SEC. 24-29-22



N.W. 1/4 Sec. 19-29-21
N.W. 1/4 SEC. 19-29-21

P.O.T. 273+74.35
P.O.T. 273+90.55

P.O.T. 295+25.35
P.O.T. 295+25.35
N.E. COR. SEC. 24
N.W. COR. SEC. 24
N.E. COR. SEC. 24
N.W. COR. SEC. 24



S.E. 1/4 Sec. 13-29-22
S.E. 1/4 SEC. 13-29-22

N.E. 1/4 SEC. 13-29-22

WILLOW LANE
HOLLOWAY ST. 1/2 MI. S. 1/2 MI. S.

LAURA ST. 1/2 MI. S.

N 0° 24' E

N 10° 4' E

N 0° 04' E

300+00

305+00

310+00

315+00

320+00

325+00

330+00

S.W. 1/4 Sec. 18-29-21

S.W. 1/4 SEC. 18-29-21

P1.317+36.25
Δ 0° 20' L
E 1/4 COR. SEC. 13
1/2 MI. S.

P.O.T. 321+22.0

N.W. 1/4
N.W. 1/4 SEC. 18-29-21

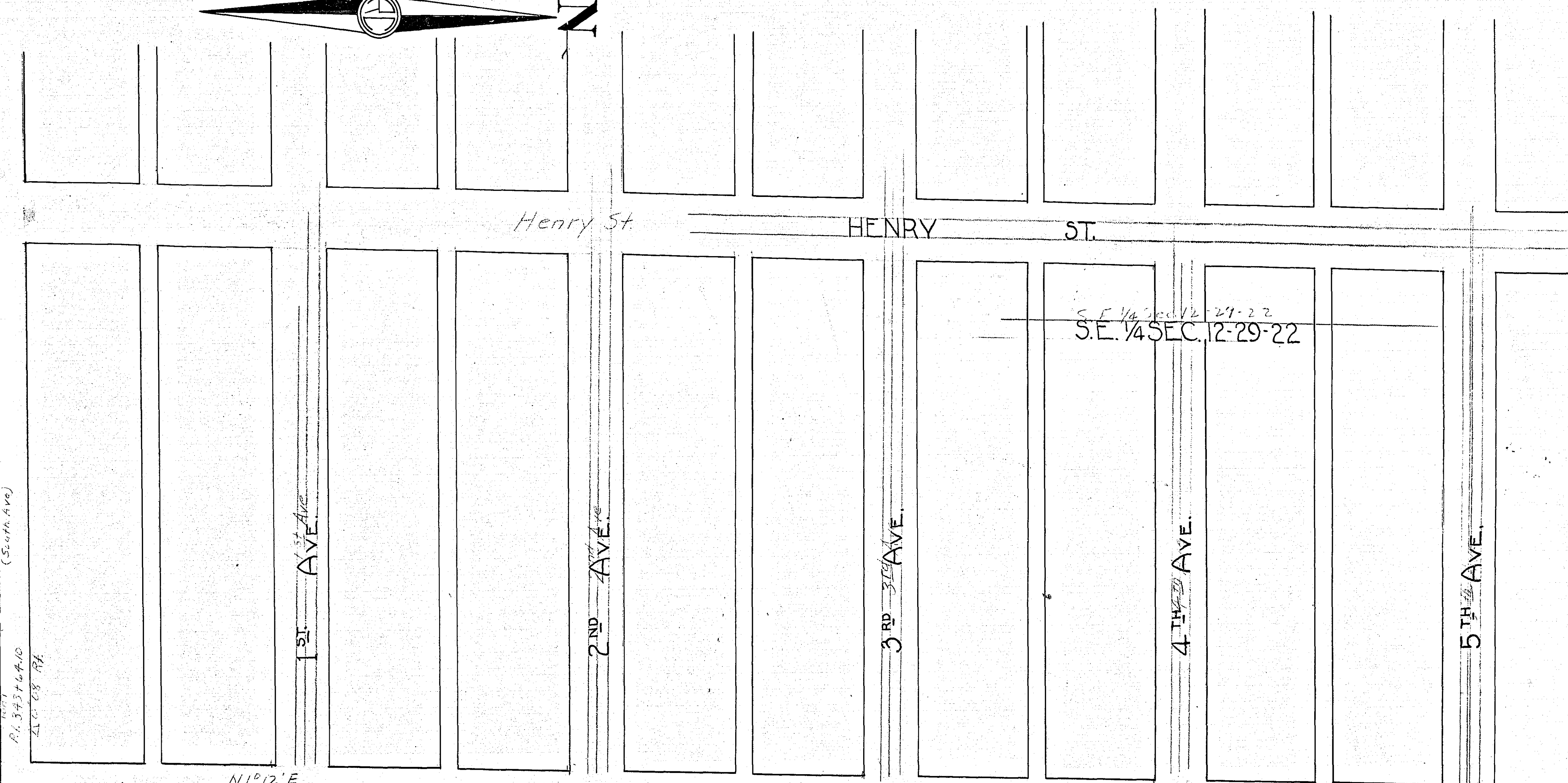
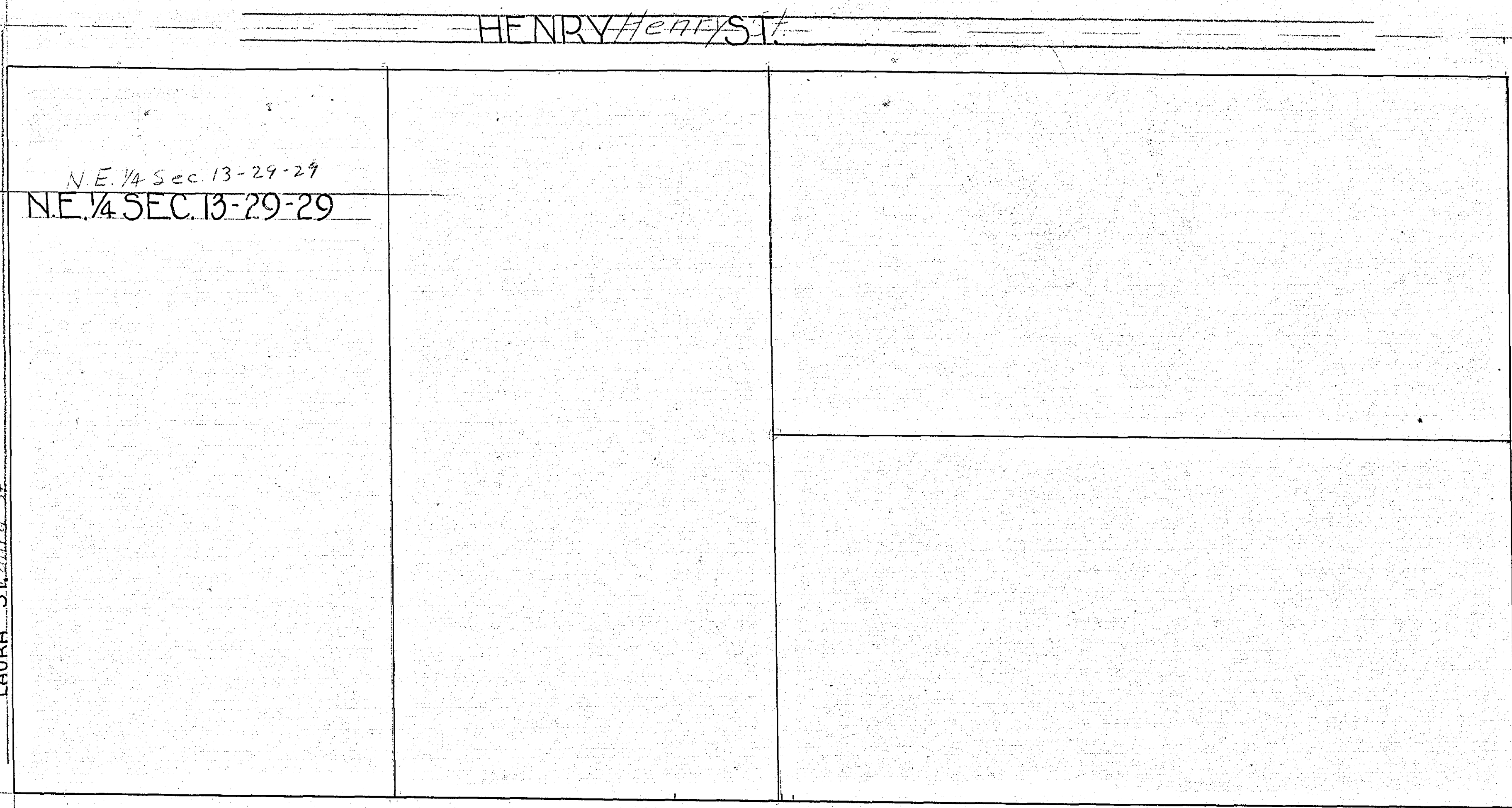
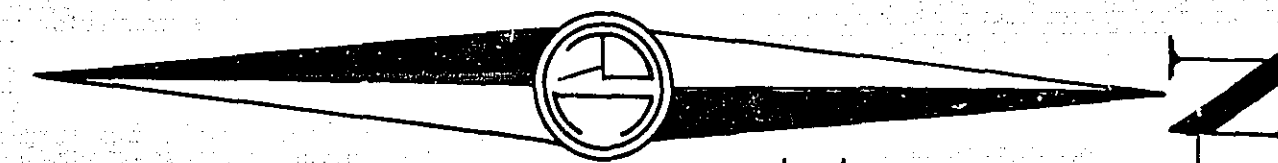
275+00
FR

321+00
FR

P1.317+36.25
Δ 0° 20' L
E 1/4 COR. SEC. 13

P.O.T. 321+22.0

F-14/25



330+00

335+00

340+00

345+00

350+00

355+00

360+00

N.W. 1/4 Sec. 18-29-21
NW 1/4 SEC. 18-29-21

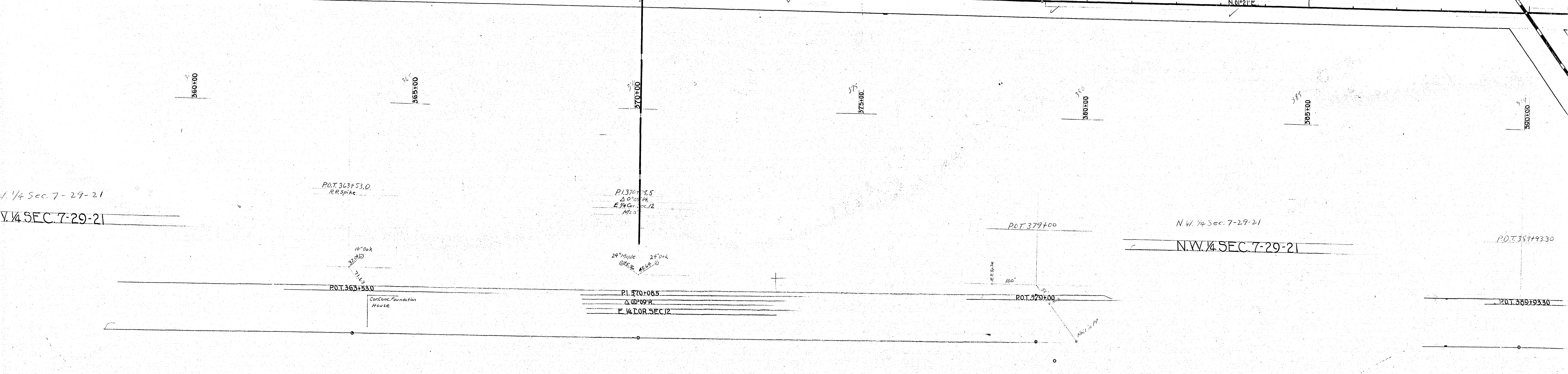
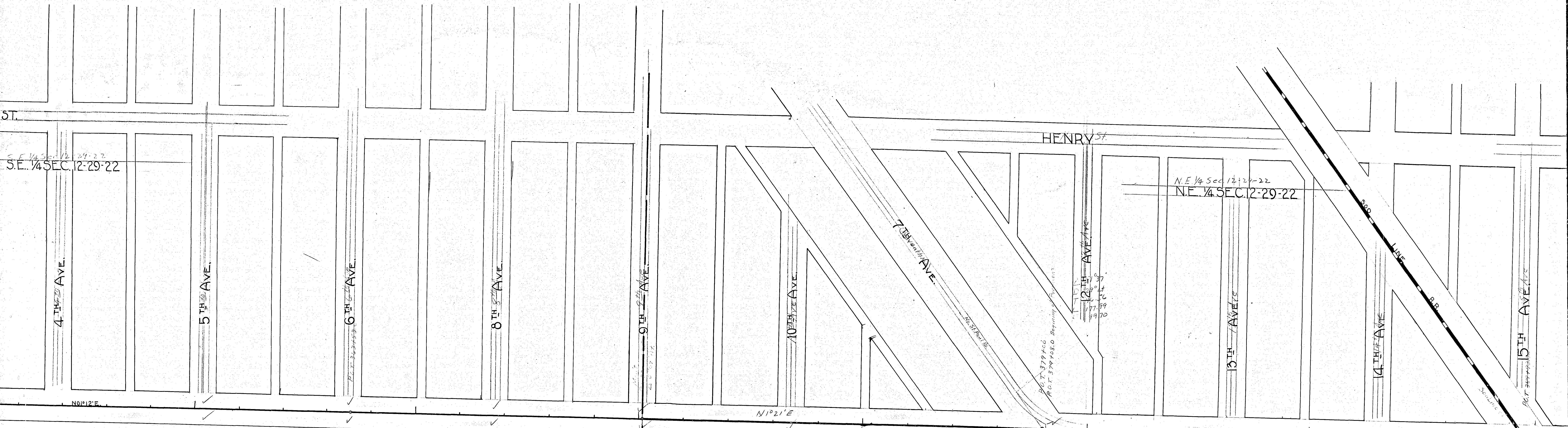
P13436410
Δ 00° 08' R.
N.E. COR. SEC. 13
Mo. 1

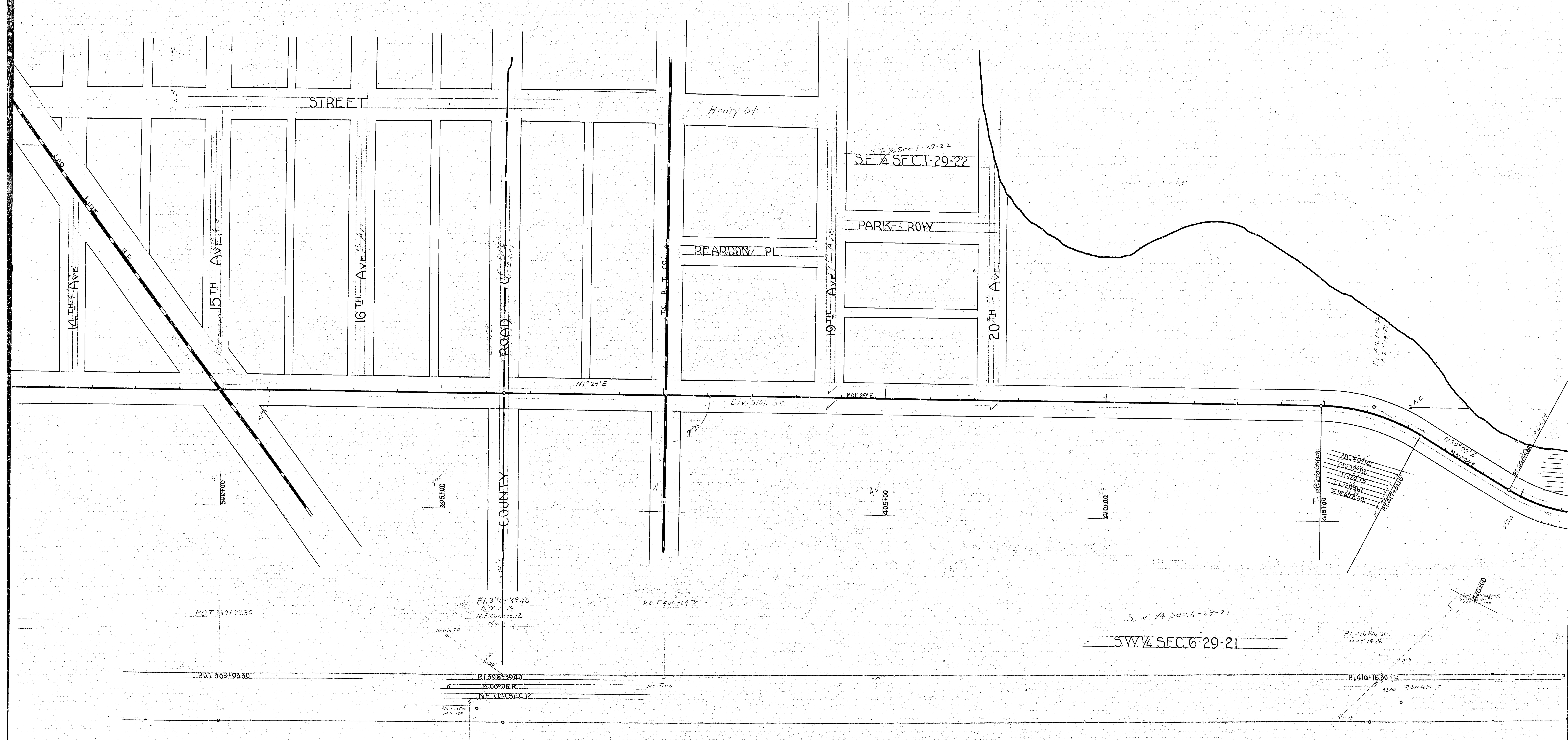
TP
2332
2328
TP

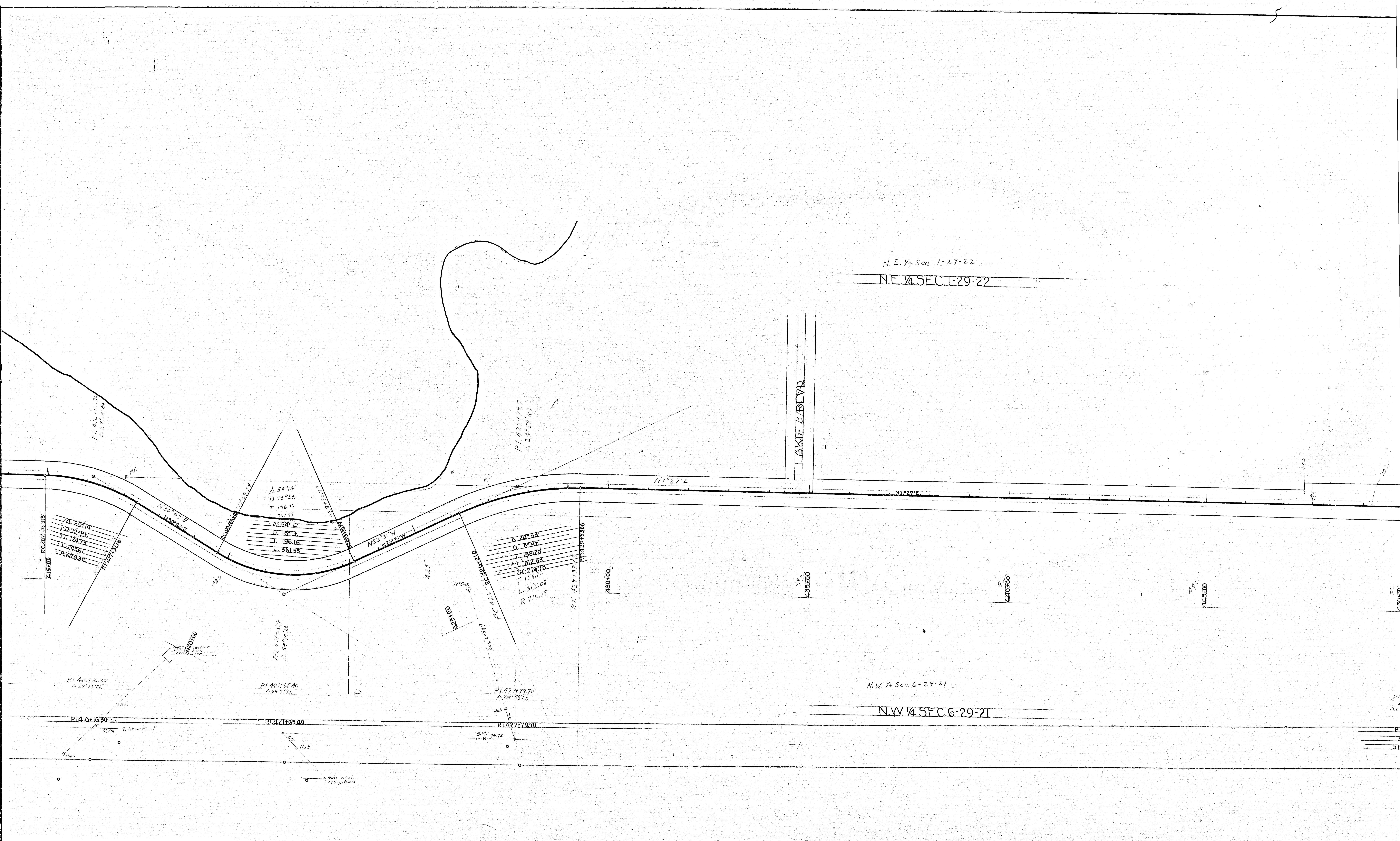
P13436410
Δ 00° 08' R.
N.E. COR. SEC. 13

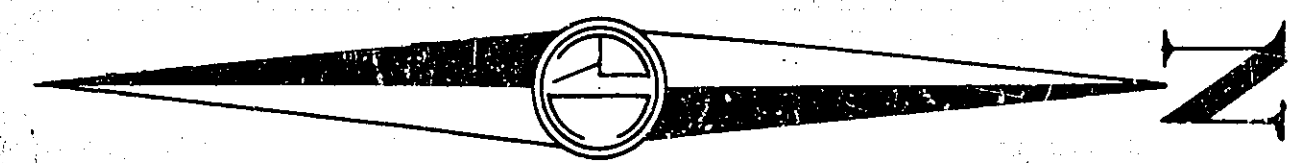
S.W. 1/4 Sec. 7-29-21
SW 1/4 SEC. 7-29-21

F-15/25









ROAD

COUNTY

PI 450+46.50
Δ 0°01'49"
S.E. Cor. Sec. 36

PI 450+46.50
Δ 0°02'18"
S.E. 1/4 SEC. 36

No ties

S.E. 1/4 Sec. 36-30-22
S.E. 1/4 SEC. 36-30-22

S.W. 1/4 Sec. 31-30-21
S.W. 1/4 SEC. 31-30-21

PI 476+84.70

PI 476+84.70
Δ 0°02'14"
S.E. 1/4 SEC. 36

Hub
100'
Hub

F 19 / 25

