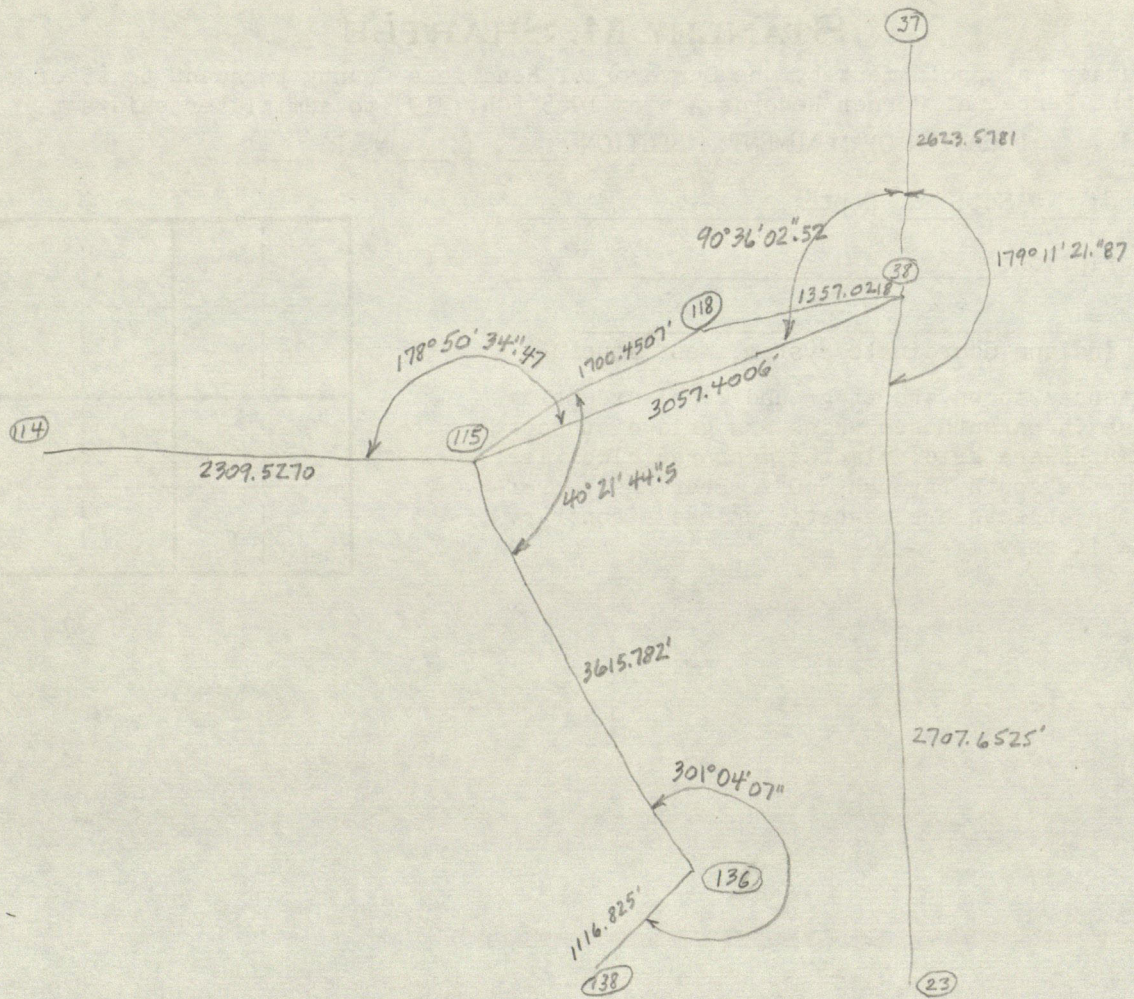


#SE 11-16-1E COUNTY



 COORDINATE FILE:AD HOC LENGTH = 80 POINTS; TIME ON FILE: 6 05 45.12
 TRIAL CALCULATIONS ***** JOB #1999

***** COGO *****

 FROM TYPE BEARING DISTANCE TO NORTHING EASTING

PTS 1 THRU 30 CLEARED

ENTER & ASSIGN

				1	1,000.00000	1,000.00000
				5	0.00000	0.00000
				5	3,669.95000	1,000.00000
START				1	1,000.00000	1,000.00000
1 TRAV NE	30 03 46.80	957.35400	2	1,828.56605	1,479.58835	
2 INV NW	14 35 54.10	1902.81366	5	3,669.95000	1,000.00000	
START			1	1,000.00000	1,000.00000	
1 TRAV NE	35 18 19.30	639.83000	3	1,522.15472	1,369.77950	
3 TRAV NW	40 59 02.70	563.93500	4	1,947.86463	999.92310	
4 INV SE	0 00 16.73	947.86463	1	1,000.00000	1,000.00000	

OFFSETS FROM A LINE

1	1,000.00000	1,000.00000
---	-------------	-------------

BASE BRG NE 0 00 00.00

PT BASE DIST OFFSET

4 947.86463 -0.07690

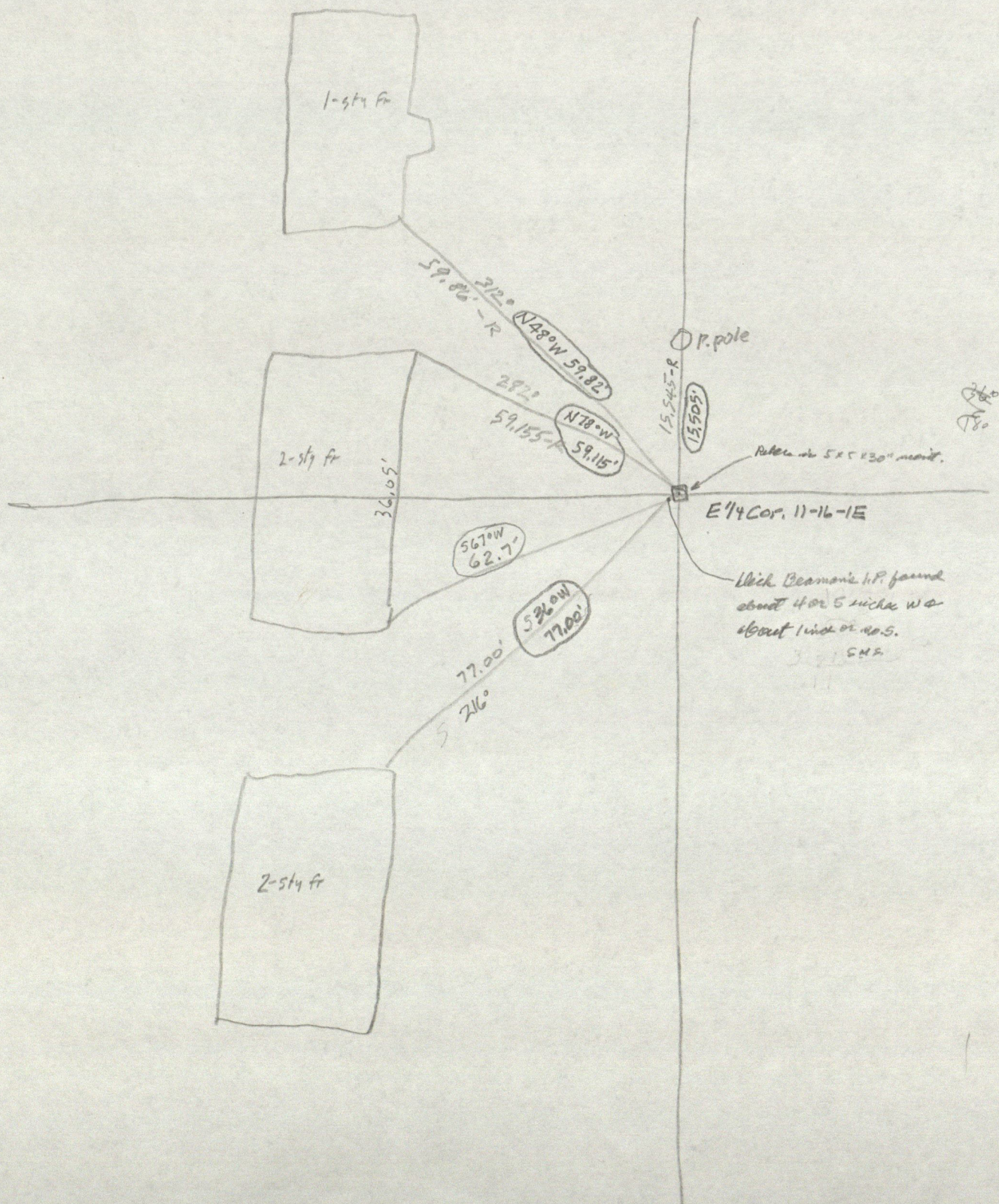
5 2669.95000 0.00000

PT-PT ANGLES

ANG 1 - 2 - 5 : C.W. 135 20 19.10 ¹⁶ C.C.W. 224 39 40.90 1902.81366

TIME FOR THIS RUN: 0 22 10.73; TOTAL TIME ON FILE: 6 27 55.85

COORDINATES STORED



STANLEY M. SHARTLE

REGISTERED PROFESSIONAL ENGINEER

RURAL ROUTE 1, BOX 33

STILESVILLE, IND. 46180

LOCATION OF MONUMENT: SECTION 14, T. 16 N., R. 1E.

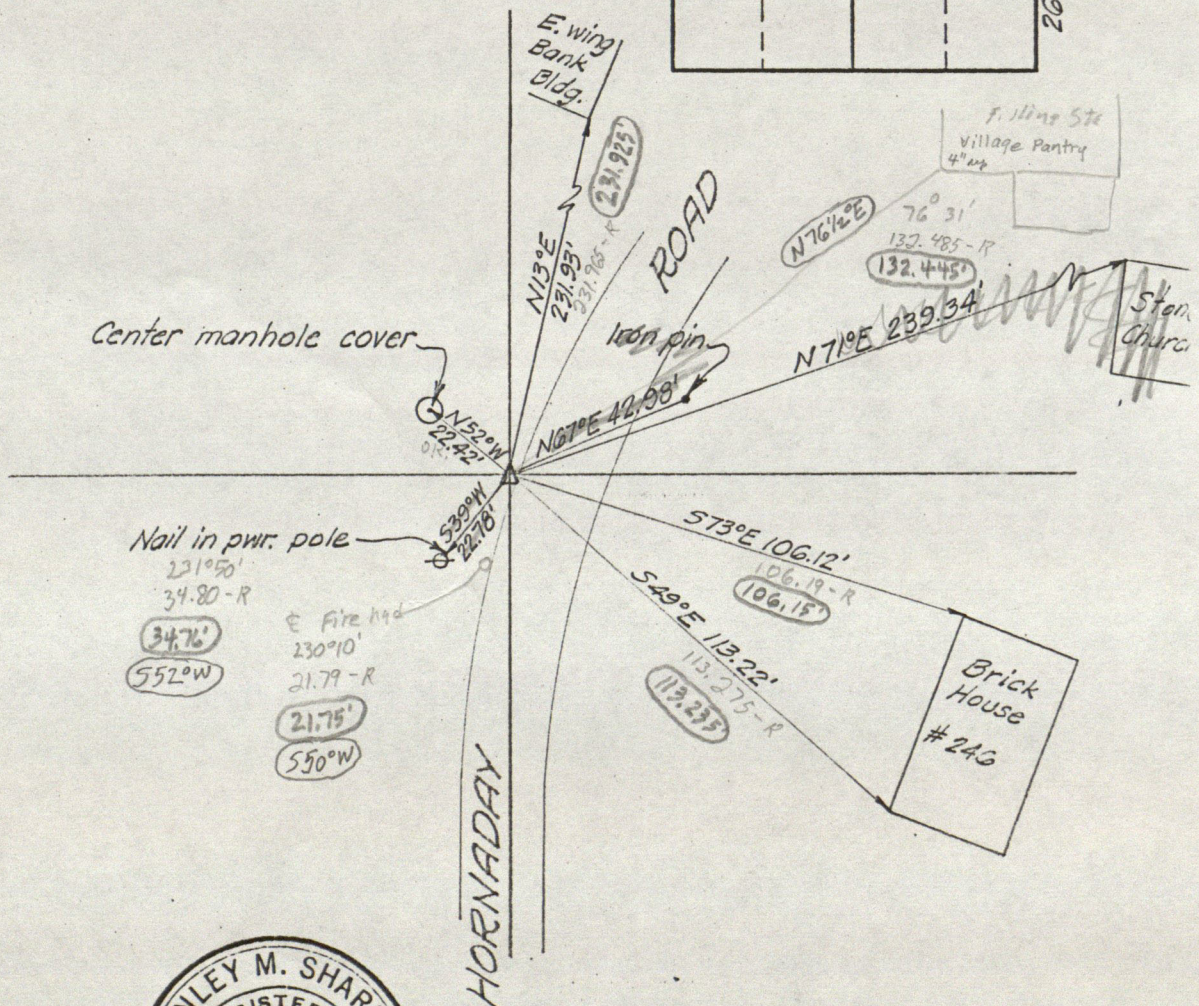
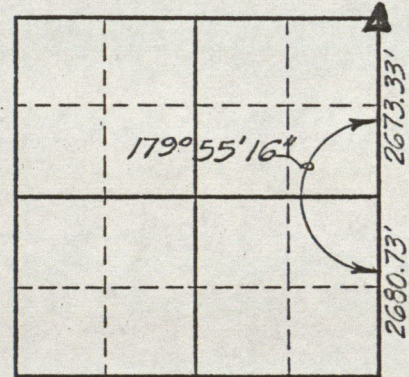
Monument found: Yes ☒ No ☐

Description: Shallow drill hole in stone

Depth: 6"

References taken: July 14, 1976

Comments: Bearings are magnetic



Stanley M. Shartle

Stanley M. Shartle, P.E & L.S.

July 14, 1976

Date

Stanley M. Shartle, PE LS

PARSONS, CUNNINGHAM, & SHARTLE ENGINEERS, INC.

Date 12-4-01 Hg. 30.19 Temp. °F.

[illegible]

JOB 11-16-1E SE Cor. & E 1/2 Mi.

DESCRIPTIONS OF POINTS

- | | |
|----|--|
| 1 | SE Cor. Sec. - I cut a good + on conc. gutter from May July 14, 1976, rebar. |
| 2 | May old 1986 hole cap in E.R.R. |
| 3 | Top. point - May, May. |
| 4 | Approx. where E. notch of 2 notches stand to be (new conc. wall) |
| 5 | E 1/2 mi. 11 restored |
| 6 | |
| 7 | |
| 8 | |
| 9 | |
| 10 | |
| 11 | |
| 12 | |
| 13 | |
| 14 | |
| 15 | |
| 16 | |
| 17 | |
| 18 | |
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| 20 | |
| 21 | |
| 22 | |
| 23 | |
| 24 | |
| 25 | |
| 26 | |
| 27 | |
| 28 | |
| 29 | |
| 30 | |
| 31 | |

Seller SE 11-16-1E
Oct. 31, 1976

2.355
.07
2.285

Hg 29.20 } light rain
+44°F } windy
PPM+30

359 59 60
306 25 39
53 34 21
31 37 08
21 57 13

ZA=269°50'50"
1922.75
.74
.75
.75
1922.747
1922.746

Replaced by stone 9x12x25" with + 10-21-85 S.M.S.

2 mi. stone 11-16-1E: very old
5x10x12 stone found 1.08' S of old
wood cor. post:
W.F. Franklin's wit stone found S. 16.65'
W. oak 27" N85°W 5.15'
The old cherry wit is dying.

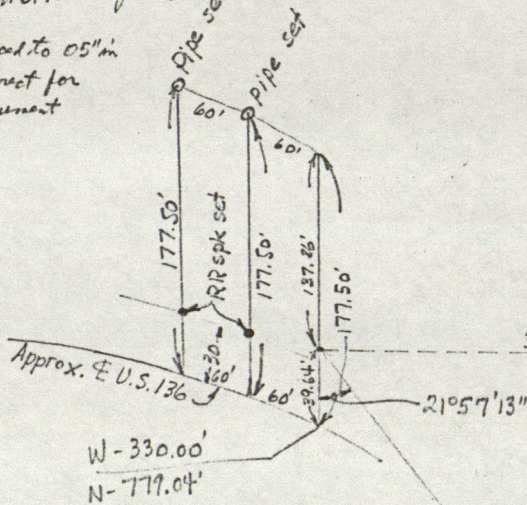
900.80
.81
.83
.83
.84

46 43 05
15 05 56.7
31 37 08.3
133 16 55
15 05 56.7
110 30 00.0
359 59 60
31 37 08.3
328 22 51.7

at A

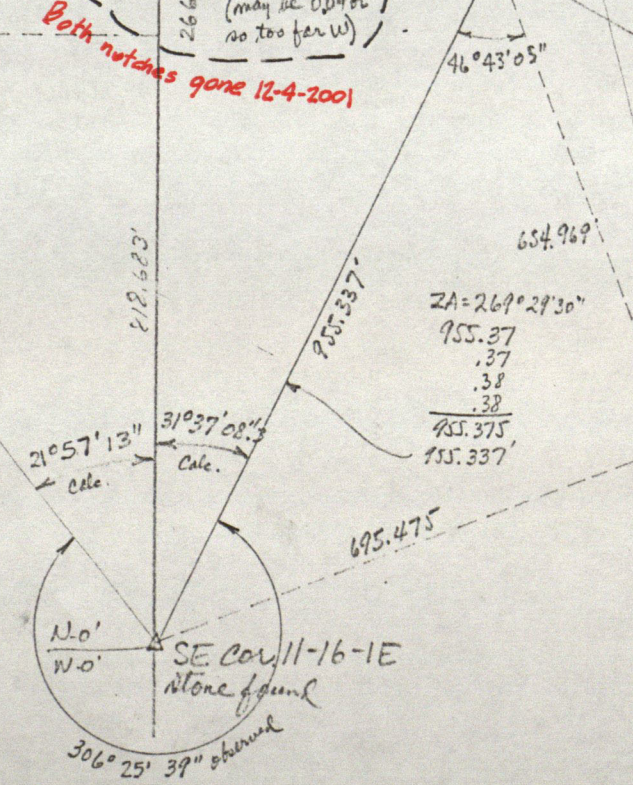
0°00'00" E 2 mi. stone 11-16-1E
135 18 33 at U.S. 136 crossing E. } parallel with E.R.R.
135 19 02 at most distant point E
226 43 05* stone SE cor. 11-16-1E
315 19 02 at most distant point W } parallel with E.R.R.
315 19 33 at Brant St. crossing W }

*road 11" but reduced to .05" in
an effort to correct for
estimated instrument
attenuation.



S 15°05'56\".7E 1922.740
S 31°37'08\".3W 955.337
N 21°57'13\"W 882.69' 818.683 329.999'

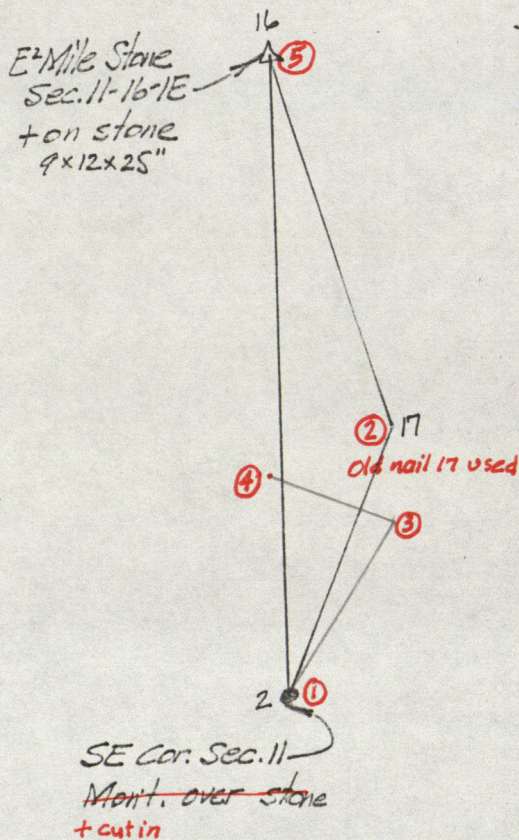
*10-29-85 New notch cut 0.07' E of old
mark for better alignment betw. corners.
New notch is 51.62' from walk corner and
947.9' N. of rec. cor. (Gone 12-4-2001 (new conc))



STANLEY M. SHARTLE

REGISTERED PROFESSIONAL ENGINEER
REGISTERED LAND SURVEYOR
R. R. 1, BOX 33
STILESVILLE, IND. 46180

11



Assume 2 = 10,000.0000, 10,000.0000
and 2-16 = meridian

Tentatively assume 2-17 = 5°00'00" az.

AZIMUTHS

P 1	1	***
2	10000.0000	***
2	10000.0000	***
2	2	***
4	4	***
2-17	5.00000	***
17	957.2940	***
17	10953.6512	***
17	10083.4337	***
17-16	320.20240	***
16	1902.8680	***
16	12418.5652	***
16	8868.9652	***
2	2	***
5	5	***
2	10000.0000	***
2	10000.0000	***
16-2	154.56132	***
16-2	2669.9621	***

PRELIMINARY

Rotate CW
25°03'46".8

1	1	**
2	10000.0000	**
2	10000.0000	**
2	2	***
4	4	***
2-17	30.83468	***
17	957.2940	***
17	10828.5141	***
17	10479.5583	***
17-16	345.24108	***
16	1902.8680	***
16	12669.9621	***
16	10000.0000	***
2	2	***
16-2	10000.0000	***

FINAL

	P 6		
17	{	2	210.034680 ***
		13	298.032080 ***
		ERR	120.123880 distant E
		ERR	300.125980 " *** w
		ERR	300.132280 at Grant St.
		16	345.241080 ***
18	{	17	118.032080 ***
		64	188.091280 ***
		23	201.210380 ***
		22	214.522680 ***
		55	232.301680 ***
64	{	18	8.091280 ***
		6	70.431880 ***
		65	116.280180 ***
		66	310.224680 ***
		19	310.062280 ***
		54	310.510180 ***
		20	320.081980 ***
		49	356.130780 ***
		50	337.171380 ***
		51	335.071280 ***
	{	52	327.120280 ***
		53	316.540480 **

18	21.210380	***
52	70.561780	***
59	147.282580	***
60	172.374980	***
61	193.100380	***
22	310.421380	***
55	313.224780	***
18	34.522680	***
21	183.420180	***
62	212.433780	***
63	239.595680	***
55	315.711780	***

mean azimuth of railroad
as determined to be the
mean of observations upon
most distant points SE & NW
of Transit station:

300°13'05" on 11-21-76
300 12 49.3 on 10-21-85
300 12 57.15 mean
use 300°12'57"

Stone at 16 is 0.06' down to
the wood cor. post N. than it was
in 1976. 2-16 = 2669.18 (1976)

2669.94 (1985)
2669.96 (mean 1915)

diff. = 0.02
very good!

2669.903 (2003)