

28#29-16-2W MHM ASSOC.

Thos. L. Sipe, P.E.
M H M Associates, Inc.
1920 Ridgedale Rd.
South Bend, Ind. 46614
1-219-291-4793



Oxford Pendaflex
CORPORATION

STOCK No. 752 1/3

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MADE IN U.S.A.

MHM ASSOCIATES, INC.

CONSULTING ENGINEERS

MHM

STANLEY M. SHARTLE
REGISTERED PROFESSIONAL ENGINEER
REGISTERED LAND SURVEYOR

SHEET 1 OF

INC. Date 7-30-79 Hg 29.15 Temp. +94°F

At

THOMAS L. SIPE, P.E.
vice president

1920 ridgedale road, south bend, indiana 46614

Office: (219) 291-4793

Res.: (219) 272-3442

TELEX: 233110

CABLE Address: MHM-SIB

A	Observed slope distance	Mean	Hor. distance
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55 14	1319.85 .81 .86	.840	1319.839
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22 56	2645.22 .24 .24 .25	.238	2645.084
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at 3 {

2	0°00'07" 00"				
7	3 39 16 09"				
6	179 15 35 28"				
4	179 38 39 32"				

at 4 {

3	0°00'13" 00"	269 14 14	2079.14.17.17.13	.152	2078.968
6	0 40 27 14"	269 26 12	760.78.77.77	.773	760.736
5	179 22 59 46"	269 41 35	570.32.33.32	.327	570.319
8	180 07 39 26"	270 08 31	3215.03.00.07.06	.040	3215.030

at 3 {

2	0°00'00"				
9	82 31 00				6.295'

SHEET 1 OF

At

[illegible]

MHM Associates, Inc.

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- | | | | |
|---|---|--------|---------------|
| 1 | Stone at Cen. N. SE ⁴ 20-16-2W | 0.000 | } PRELIMINARY |
| 2 | E ² Mi. Stone 20-16-2W | 0.000 | |
| 3 | Temp. point - nail & cap | 0.000 | |
| 4 | " " - " " " | 0.000 | |
| 5 | W ² Mi. Stone 28-16-2W | -9.009 | |
| 6 | I.P. by I.S.H.C. | 0.000 | |
| 7 | I.P. " " " " | | |
| 8 | metal detected in E + roads - possible I.P. by I.S.H.C. or possible SW cor. 28-16-2W | | |
| 9 | NW cor. Sec. 28-16-2W - stone found 23" deep; set pipe above | | |

road nail found & removed 6-18-82

4-3	359 42 56	2678.968	5293.959	-19.330
3-7	3 43 33	141.287	5454.905	-2.849
3-2	0 04 24	2645.034	7939.041	-15.945
2-1	270 11 30	1319.839	7943.456	-1335.716

6-7	359 48 28	1479.177	← Acc. 1479.16' from by MHM Assoc.	
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7-2	329 50 11	2484.146		
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5-2	359 49 39	5294.295		
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1-2	90° 11' 30"		7939.041	-15.945
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90 16 02 Harrison's deflection angle, a few rods west

2-2	180° 29' 30"	2044.026	Harrison's old station	5294.295	-15.071	} Harrison's on old road wrong

Harrison may have had a back angle of 90° 16' instead of a deflection. Try this

1-2	90° 11' 30"			
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89 44 02 Harrison's probable deflection angle

179	53 30	2649.226	Harrison's old station	5294.295	-15.494	} Harrison's on old road wrong

theoretical
on by finding
angle of 1
55.0

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			N	E	
8			0.000	0.000	
8-4	0°00'00"	3215.030	3215.030	0.000	} PRELIMINARY
4-5	179 15 20	570.319	2644.759	7.410	
5-8	180 09 38	2644.770	0.000	0.000	

8			0.000	0.000	
8-4	359 50 22	3215.030	3215.017	-9.009	
4-5	179 05 42	570.319	2644.770	0.000	
5-8	180 00 00	2644.770	0.000	0.000	

4-6	0 23 10	760.736	3975.736	-3.883	
4-3	359 42 56	2078.968	5293.959	-19.330	
3-7	3 43 33	161.287	5454.905	-8.849	
3-2	0 04 24	2645.084	7939.041	-15.945	
2-1	270 11 30	1319.839	7943.456	-1335.776	

6-7	359 48 28	1479.177	← use 1479.16' meas. by MHM Assoc.		
7-2	359 50 11	2484.146			

5-2	359 49 39	5294.295			
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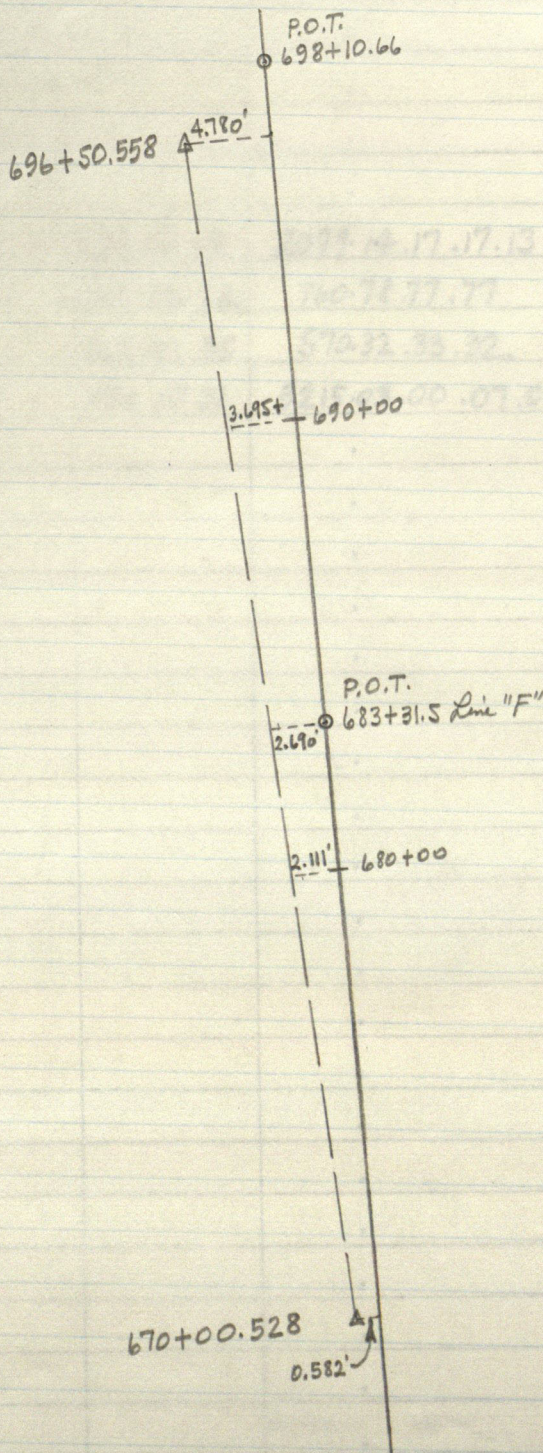
1-2	90°11'30"		7939.041	-15.945	
	90 16 00	harrison's deflection angle as per rock report			
2 to sec. cor.	180°27'30"	2644.226' Harrison's calc. distance	5294.900	-37.097	) theoretical sec. cor. obviously wrong

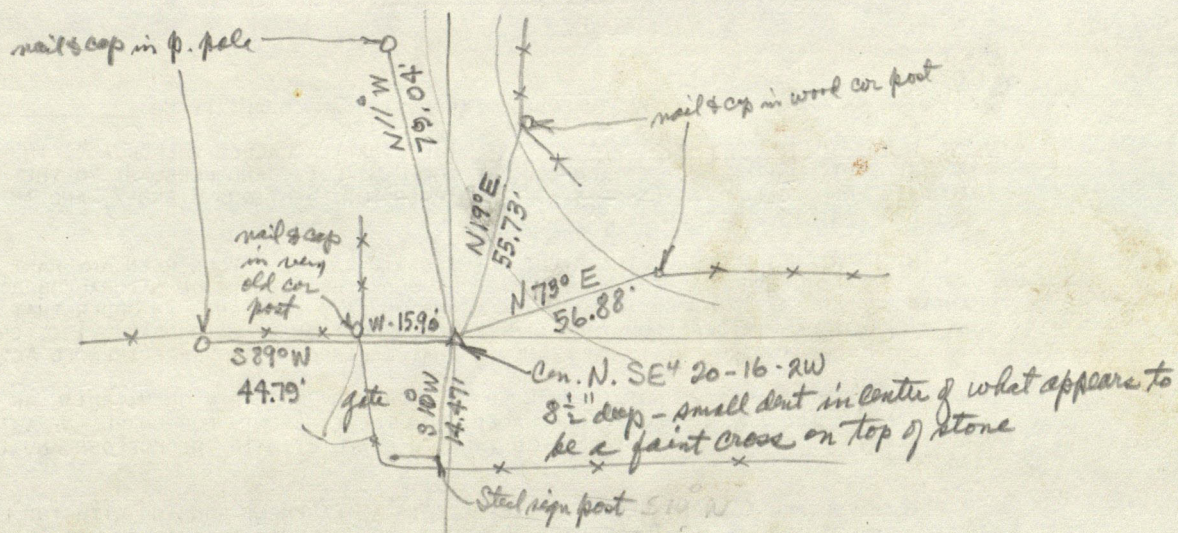
Harrison may have had a back angle of 90°16' instead of a deflection. Try this:

1-2	90° 11' 30				
	89 44 00	harrison's probable deflection angle			
	179 55 30	2644.226' Harrison's calc. distance	5294.817	-12.484	) theoretical sec. cor. from Harrison's work

2 to sec. cor.	359°49'39"	2647.148'	5291.906	-7.970	) theoretical sec. cor. by finding midpoint of 5-2

Station	Angle	Distance	Sum	Mean
3-9	82° 35' 24"	6.295	5294.771	-13.088
9-2	359 56 17	2644.272		
9-5	179 43 01	2650.033		
5-8	180 00 00	2644.770		





W 2 mi. Stone 28-16-2W
 stone, gray, 11" deep with small dent for corner

p. pole N 40° W 24.89'

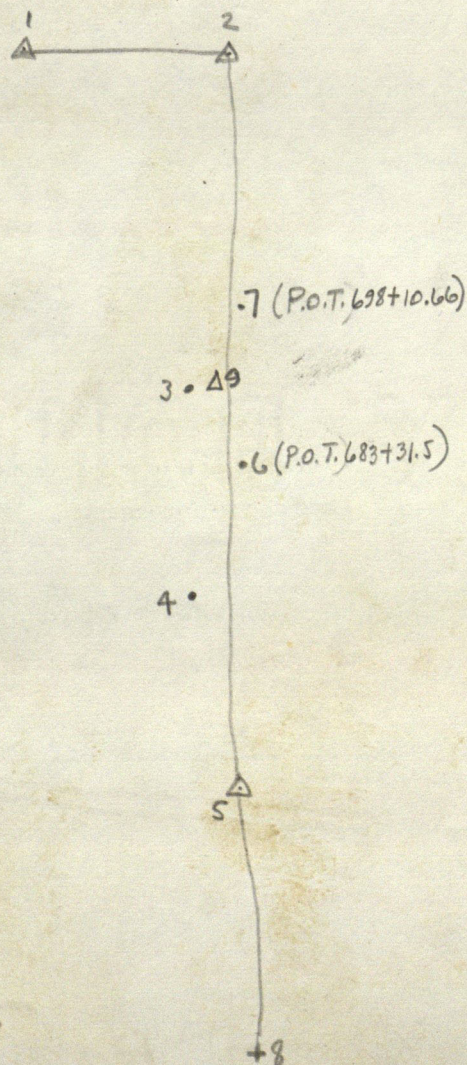
NW cor conc cor post E 16.83

SW cor conc. ldr N 9 1/2° W 81.03

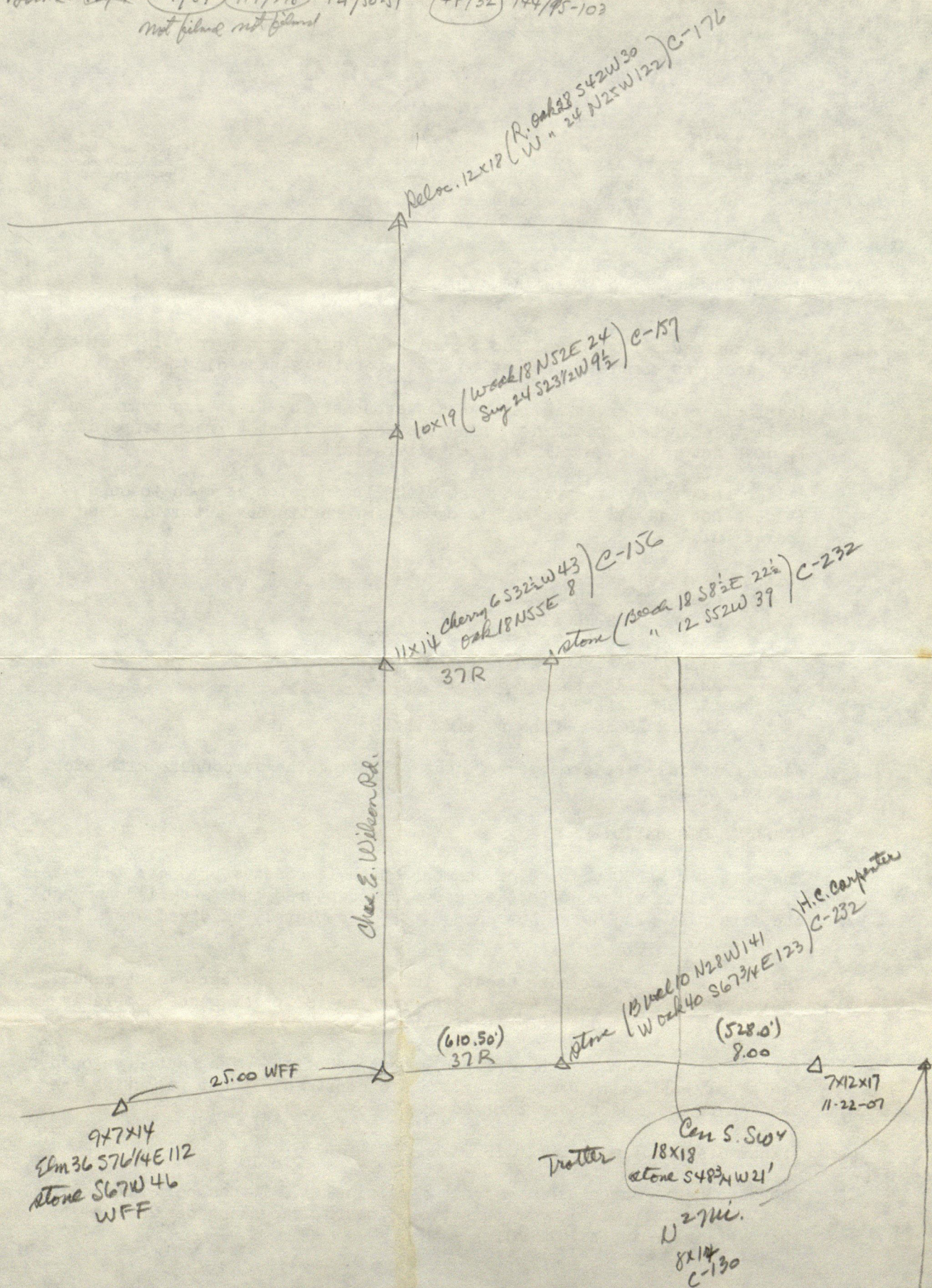
SE " " " N 11° E 81.66

E edge post E 7.2'

W " " W 8.7'

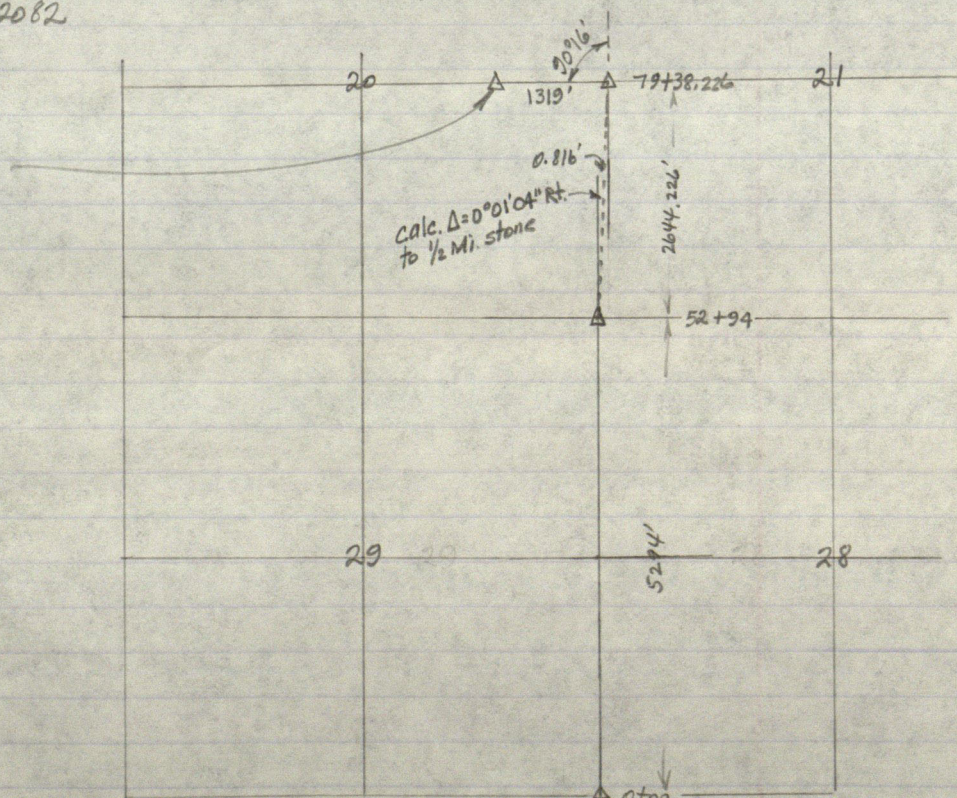


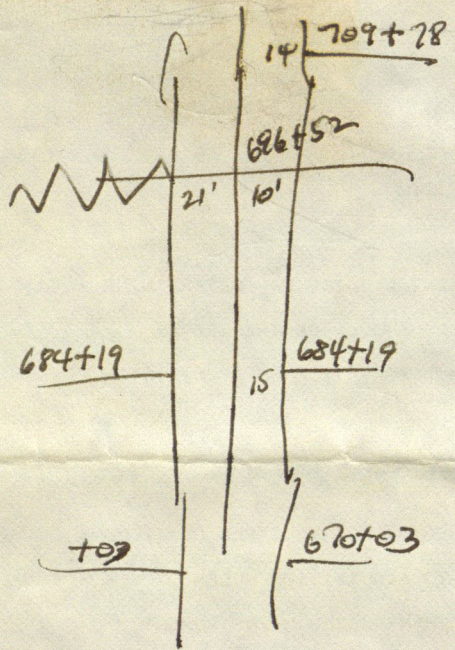
Field Books: ~~12/5~~ 91/54 119/148 124/50-51 not filmed 44/32 144/95-103
not filmed not filmed



D+oo at Stone at SE cor, 29-16-2w assume coords O.O.

old reference:
10x12
B. wt 6 SW 18 }
Sto 8 NW 84 }





2642 (722+24 POT 698+10.8
696+52 NE cor 29
682+00
2651 ← 681+14
670+01 E 2 mi 29
695+36 pipe line
POT 683+31.5
14 79 14
698+10.68
over iron bridge

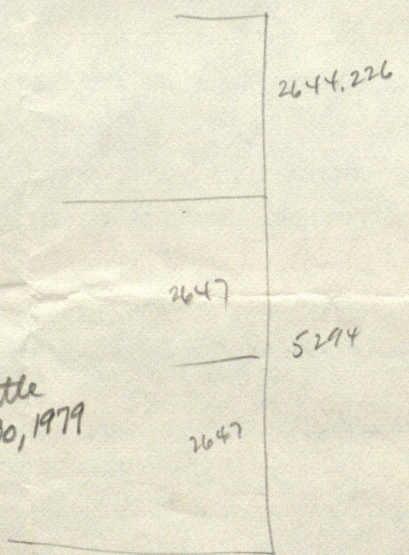
Pygstone SE cor 29-16-20; W NE cor 29 to 52+94; diff R 16' to 60+00; R 2°15' to 63; L 1°34' to 65; L 3°40' to 69; returning to E sec. 20 at 69; R 2°43' along E sec. 20 to E 2 mi. stone @ 79+39; 90°16' to stone on E sec. 20 @ 92+58; N 90°50' to 104+59; W on left 78°00' to 107+57; N 82°15' to 112+27; R 5°49' to 118; L 2°28' to 120+82 to end of center of New Mayville & N.S. Rd, 29' E of stone at Cen E SE 17-20. 12082' Garrison Nov. 1913 7/433

W 2 mi 21-16-20
tel pole S 25° E 39.24
" " S 70° E 45.38
sign post N 11.23'
" NW 16.87'
stone E 120.46'

Shuttle
1950

W 2 mi. 21-16-20
stone 9" deep with lat for cor.
nail 40p in wood end post N 55° E 26.42'
" " " " gate S 65° W 47.72'
" " " " end S 44° W 52.18'
" " " " cor " S 35° E 28.20'
" " " " tel pole S 22° E 38.95'
" " " " " S 26° W 76.81'
westernmost of 2 steel sign posts N 3° W 11.40'
ISHC I.P. S 1.69'

Shuttle
July 30, 1979



under recent legislation

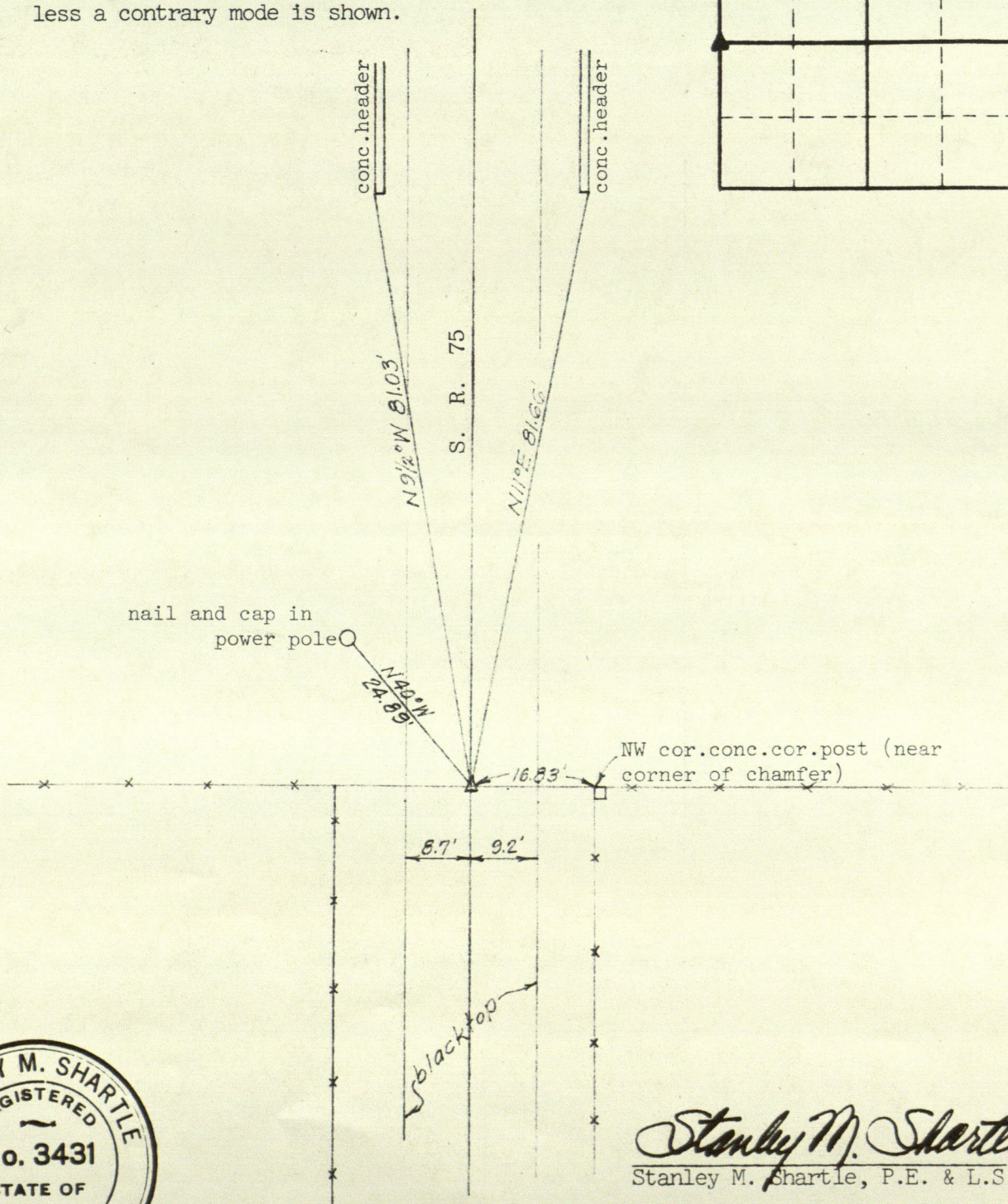
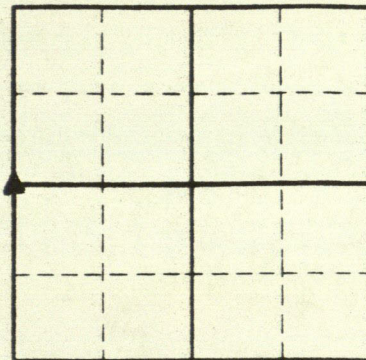
STANLEY M. SHARTLE

LOCATION OF MONUMENT: SECTION 28, T. 16 N., R. 2 W.

Found: ☒ Set: Depth: 11 inches

Description: drill hole in railroad spike above
gray stone with small dent for corner

Bearings to reference objects are magnetic unless a contrary mode is shown.



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

Date: July 30, 1979

STANLEY M. SHARTLE

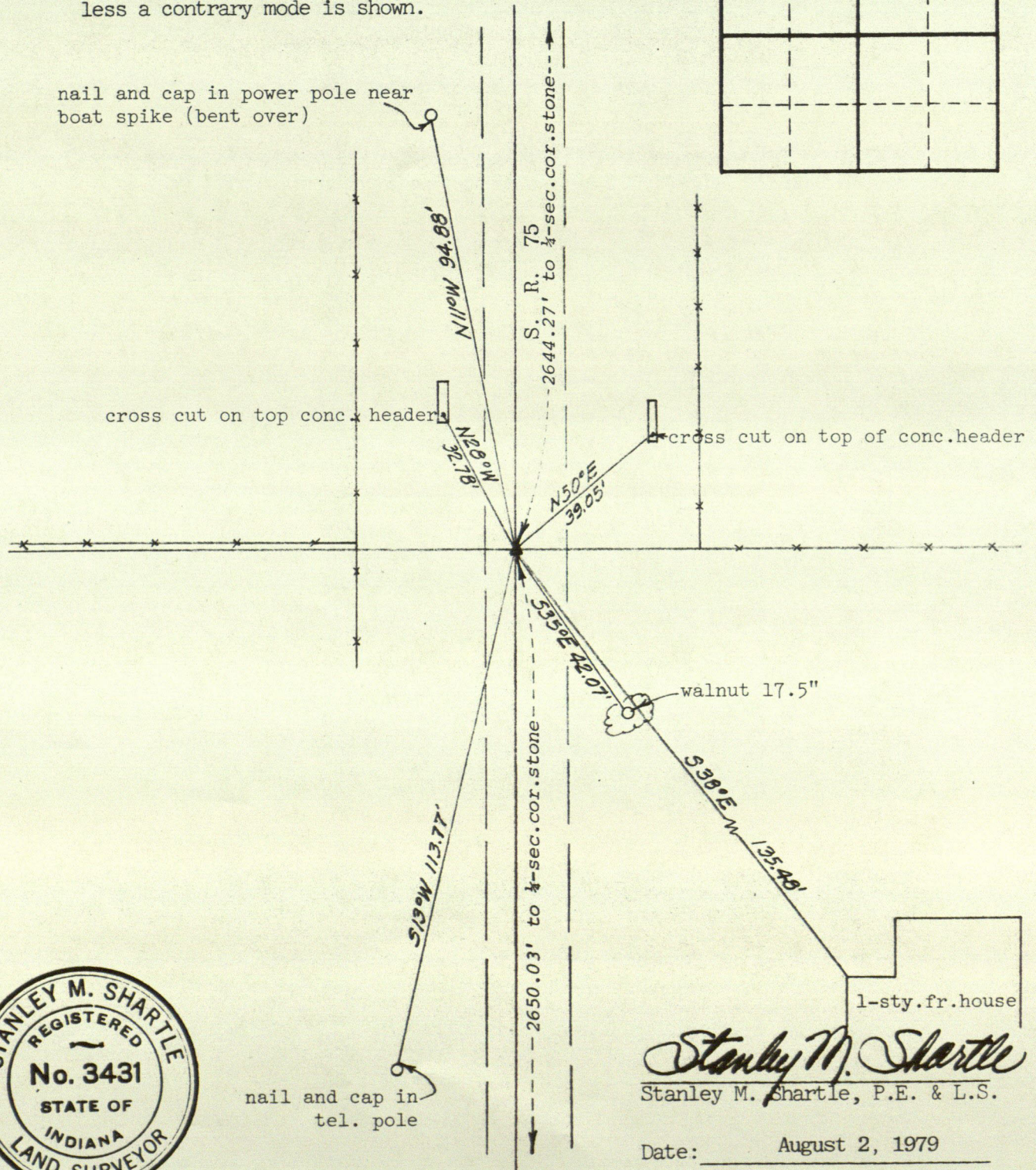
LOCATION OF MONUMENT: SECTION 28, T. 16 N., R. 2 W.

Found: ☒ Set: ☐ Depth: 23 inches to stone

Description: pipe set over original corner stone

Bearings to reference objects are magnetic unless a contrary mode is shown.

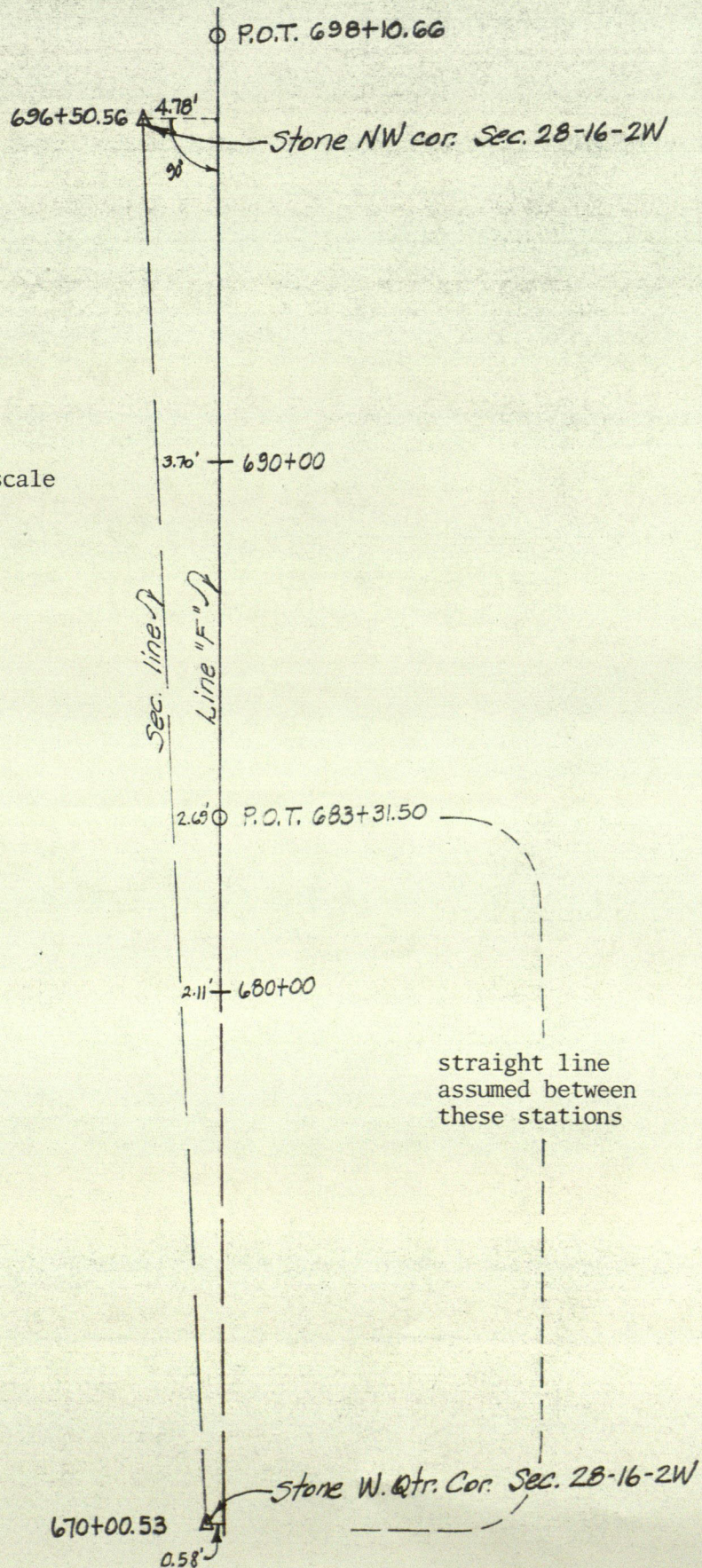
nail and cap in power pole near
boat spike (bent over)



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

Date: August 2, 1979

This sketch not to scale



STANLEY M. SHARTLE

REGISTERED PROFESSIONAL ENGINEER
REGISTERED LAND SURVEYOR

R. R. 1, BOX 33
STILESVILLE, IND. 46180

PHONE 317-539-6225

August 2, 1979

Thomas L. Sipe, P.E., Vice President
MM Associates, Inc.
1920 Ridgedale Road
South Bend, Indiana 46614

Dear Tom:

Here are the references for the northwest corner of Section 28, Township 16 North, Range 2 West, taken in connection with your bridge job on S.R. 75 in Hendricks County, Indiana. A sketch showing the relationship of the west line of Section 28 to Line "F" is also enclosed herewith. Since I do not have your notes on Line "F" at hand I am assuming on this sketch that Line "F" south of P.O.T. 683+31.5 is straight as far south as Sta. 670+00.53. If that is not the case the sketch will provide enough data that the true relationship of the lines can be computed.

If I can be of further service to you please let me know.
Thank you for letting me help on this project.

Sincerely,

Stan Shartle