

Certificate of Survey

Barbara Kirt
Leelanau Register of Deeds
Recording Fees: 13.00
BARB Date 03/18/2002 Time 14:58:02

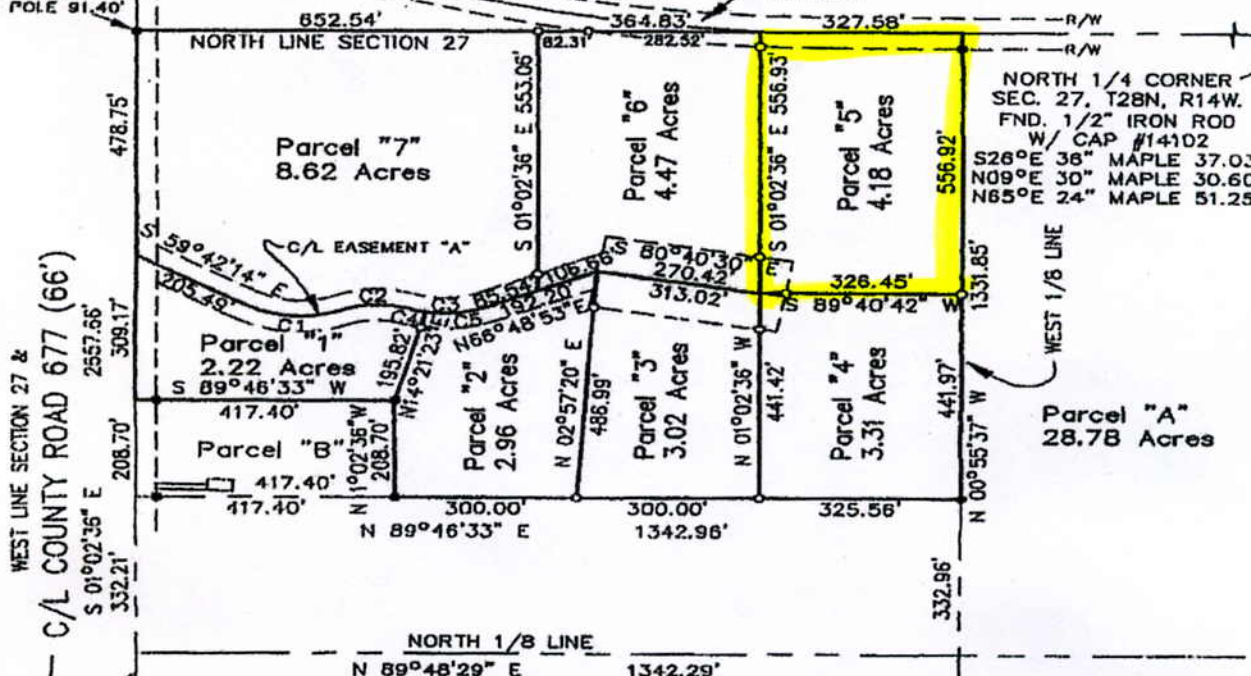
3P

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02 7/544

APPROX. C/L M - 72 (66')

NORTHWEST CORNER
SEC. 27, T28N, R14W.
FND. 1/2" IRON ROD
IN MONUMENT BOX
N28°E CABLE POLE 112.38'
S11°E CABLE POLE 87.25'
N10°E PNC. POLE 91.40'



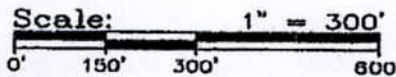
CURVE TABLE

| NUMBER | RADIUS | ARC LENGTH | DIST. | CHORD BEARING | DELTA ANGLE |
|--------|--------|------------|--------|---------------|-------------|
| C1 | 176.28 | 164.43 | 158.53 | S 86°25'33" E | 53°26'38" |
| C2 | 142.92 | 104.52 | 102.21 | N 87°48'12" E | 41°54'09" |
| C3 | 192.20 | 140.89 | 137.57 | N 87°47'05" E | 41°58'24" |
| C4 | 192.20 | 34.81 | 34.77 | S 76°28'05" E | 10°22'42" |
| C5 | 192.20 | 105.88 | 104.54 | N 82°35'44" E | 31°33'42" |

WEST 1/4 CORNER
SEC. 27, T28N, R14W.
FND. RAILROAD SPIKE
N70°E PHONE RISER 38.74'
N33°E CABLE POLE 72.57'
N51°W PHONE RISER 42.12'
S64°W POWER POLE 38.75'

Legend

- IRON FND
- IRON SET
- ▲ P.K. FND.
- △ P.K. SET
- ⊙ MONUMENT FND.
- (R) RECORD
- (M) MEASURED



I, **Neil B. Livasy**, a Professional Surveyor in the State of Michigan, do hereby certify that I have surveyed and mapped the hereon described parcel(s) of land; that the ratio of closure of the unadjusted field observations is within the accepted limits; and that I have fully complied with the requirements of P.A. 132 of 1970, as amended.

Neil B. Livasy
Professional Surveyor Number: 81611

Ratio of Closure: 1/10,000
Basis of Bearing: GTS File 99-5948

GRAND
TRAVERSE
SURVEYING

820 RAILROAD PLACE
TRAVERSE CITY, MI 49686
(616) 947-3555 Fax: 947-4771

e-mail: GTSurvey@aol.com

Located at the T.O. Train Station.

| | |
|---|-------------------------|
| <p style="font-size: 1.5em; font-weight: bold;">JOHN STANZ</p> | |
| <p>Part of the NW 1/4 of Sec. 27, T28N, R14W, Empire Township, Leelanau County, Michigan.</p> | |
| <p>Date: Sept. 24, 2001</p> | <p>File No. 01-5076</p> |
| <p>Drafted By: SDM</p> | <p>Sheet: 1 of 3</p> |