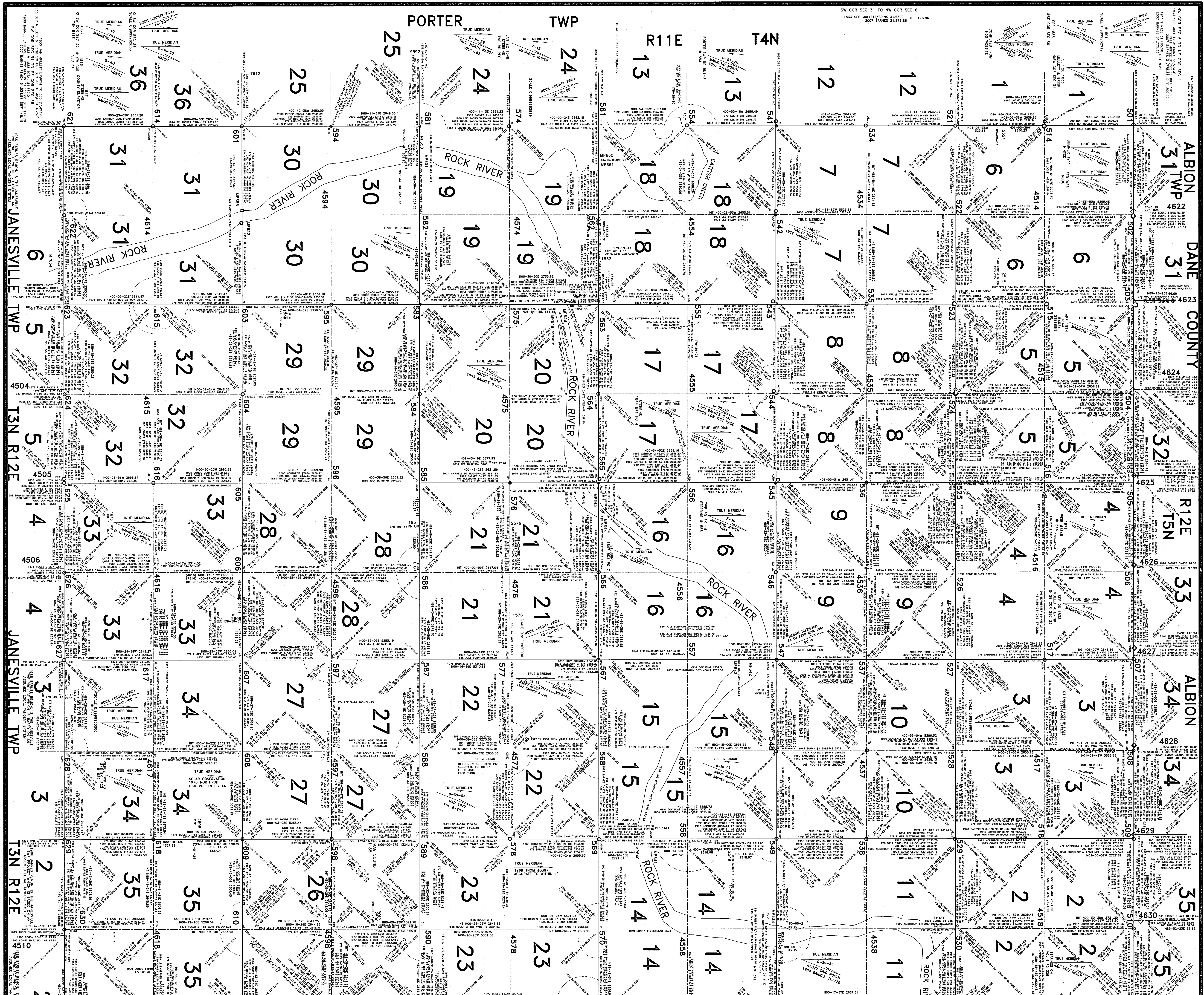
PORTER TWP
R11E
T4N
ALBION TWP
DANE COUNTY
R12E T5N
JANESVILLE TWP
T3N R12E
MILTON
T4N
R13E
JEFFERSON
ROCK RIVER
CATFISH CREEK
SW COR SEC 31 TO NW COR SEC 6
1833 SEP MULLETT/BRINK 31,680'
2007 BARNES 31,876.86 DIFF 196.86
SE COR SEC 36 TO NE COR SEC 1
1833 TOTAL MULLETT & BRINK 633-513 31,681.98
2007 BARNES REMON 31,860.73 DIFF 178.75
1984 BARNES REMON 633-513 31,860.93 DIFF 178.95
1983 BARNES IS THE MILTON TWP PROJECT WHICH IS BASED ON AN ASSUMED PROJECTION SYSTEM
1986 BARNES REMON. IS THE JANESVILLE TWP PROJECT WHICH IS BASED ON AN ASSUMED LOCAL TANGENT SYSTEM
TRUE MERIDIAN
MAGNETIC NORTH
ROCK COUNTY PROJ
N

INDEX MAP
MAP 1 OF 5

ROCK COUNTY PROJECTIONS

	1992 WCCS	2006 WISCRS
ELLIPSOID	GRS 80	GRS 80
PROJECTION	TRANSVERSE MERCATOR	TRANSVERSE MERCATOR
DATUM	NAD83(1991)	NAD83(1991)
DESIGN ELEVATION	274.321 METERS (900 U.S. FT) 1080FT HIGH, 740FT LOW	NONE
GEOIDAL SEPARATION	-33.65 METERS	
ORIGIN LONGITUDE	-89 04 20 (89.072222222222)	-89 04 20 (89.072222222222)
(RADIANS)	1.55460355004488270	1.55460355004488270
ORIGIN LATITUDE	41 56 40 (41.944444444)	41 56 40 (41.944444444)
(RADIANS)	0.7320686585709876	0.7320686585709876
FALSE EASTING:	146,304.2926 M (480,000FT)	146,304.2926 M (480,000FT)
FALSE NORTHING:	0.00 METERS (0 FEET)	0.0068M (0.022'US)
SCALE FACTOR:	0.999996000	1.0000337311@CENTRAL MERIDIAN
SEMI-MAJOR AXIS:	6,378,377.671M	6,378,137.00M
SEMI-MINOR AXIS:	6.356.992.9851403M	6,356,752.3141M
ECCENTRICITY:	0.08181764930486679	
FLATTENING:	298.2684764624123	

APPROXIMATE RATIOS

LOCATION	RATIO	LOCATION
RURAL (WORST):	1:100,000	SEC 22,T3NR12E HIGH POINT NW Of Janesville; elev 1020 ft
URBAN:	1:188,000	JANESVILLE CITY

APPROXIMATE WEST MOST COORDINATE(X) = 400,000FT
APPROXIMATE SOUTH MOST COORDINATE(Y) = 200,000FT
1 Meter = 3.28083333333 U.S. Survey Foot
1 Meter = 3.28083989501 International Foot
Designed by Dr. Nancy von Meyer for WIDOT

STATION RECORD

NGS WEB SITE 12/13/07
NAD83(NSRS 2007)
FED. PID #DF9891
COUNTY NAME: EDGERTON GPS
FED. LAT 42-50-27.33715
FED. LON. 89-05-06188
COUNTY SYS. 326,723.557' N/S
COUNTY SYS. 476,791.645' E/W
COUNTY COMPUTED BY ME

GENERALLY, THERE WAS NO ATTEMPT TO LOCATE THE INTERIOR PLS CORNERS. DUE TO ALLOWABLE AND ACCEPTABLE FIELD ERRORS AND DIFFERENT STATE LAWS MANY OF THE 1/16TH & CENTERS ARE NOT BASED ON THE INTERSECTION OF THE N/S & E/W 1/4 LINES. THEREFORE, WHEN SURVEYED THESE INTERNAL PLSS LINES WILL PROBABLY DIFFER FROM THE ABOVE BEARINGS & DISTANCES. THE ABOVE FOUND MONUMENTS AT THE CENTERS OF SECTIONS AND 1/16th CORNERS WERE NOT VERIFIED AS THE PERPETUATED CORNER, BUT WERE INCLUDED FOR COMPUTATIONAL PURPOSES AND PRESERVATION OF THE FOUND MONUMENT. THEY WERE NOT ACCEPTED NOR REJECTED.

ARCHIVAL INK
HPC4871A INK
CARTRIDGE

GOVERNMENT CERTIFICATE

[FULTON NOTES] [WEST & NORTH OF ROCK RIVER] COVER PAGE MAP-NORTH & WEST OF ROCK RIVER SURVEYED MARCH 31TH/APR 4TH 1834 VAR 8-40E [IN FIELD NOTES]

I DO HEREBY CERTIFY THAT IN PURSUANSE OF A CONTRACT WITH MR. L. WILLIAMS ESGQ. SURVEYOR GENERAL OF THE UNITED STATES FOR STATES OF OHIO INDIANA AND THE TERRITORY MICHIGAN BEING DATE THIS 15TH DAY OF NOV. 1834, AND IN STRICT CONFORMITY WITH THE LAWS OF THE UNITED STATES AND THE INSTRUCTIONS OF SAID SURVEYOR GENERAL. I HAVE SURVEYED AND SUBDIVIDED INTO SECS. FRAC. TOWN 4N RANGE 12E AND I DO FURTHER CERTIFY THAT THE FOREGOING ARE THE TRUE AND ORIGINAL FIELD NOTES OF SAID SURVEY & SUBDIVISION MADE AS AFORESAID CERTIFIED THIS APRIL 6TH 1834
GEORGE W. HARRISON
DEPUTY SURVEYOR
H Mc MALLOW? } CHAINMAN
PHILIP McLEER } CHAINMAN
PETER B (X) BEER MARKER

NOTE: B.T. BEARING TREE
U.S.B.T. UNITED STATES BEARING TREE.
B.TS. BEARING TREES I.S. IRON STAKE.

T5N R12E (ALBION TWP)

REMONUMENTATION MAP NOTES:
JULY-SEPT 1911 PHILIP HINTZE

ALL SURVEYORS REFERRED TO ARE DANE COUNTY SURVEYORS, WITH THE EXCEPTION OF GOODRICH, JEFFERSON COUNTY SURVEYOR, BEIDINGER, CITY ENGINEER OF EDGERTON, MABBETT, CITY ENGINEER OF EDGERTON. THE DIFFERENCE IN BEARING OF LINES BETWEEN SECTION CORNERS GIVES THE TRUE DEVIATION FROM THE STRAIGHT LINE. SOME OF THE BEARINGS ARE MAGNETIC, CHECKED BY MEASUREMENTS, AND THE REST ARE TRANSIT LINES CHECKED BY OBSERVATIONS ON POLARIS. I HEREBY CERTIFY THAT DISTANCES AND BEARINGS ARE CORRECT ACCORDING TO SURVEY MADE UNDER THE PROVISIONS OF CHAPTER, 39 SECTION 825 OF THE REVISED STATUTES OF WISCONSIN AND IN ACCORDANCE WITH THE RULES ESTABLISHED BY THE UNITED STATES LAND OFFICE. PHILIP H. HINTZE

GOVERNMENT CERTIFICATE

[FULTON FIELD BK] [EAST & SOUTH ROCK RIVER] COVER PAGE MAP-SOUTH & EAST OF ROCK RIVER COMMENCED 10 JULY AND COMPLETED 5 AUG 1836 I DO HEREBY CERTIFY THAT IN PURSUANSE OF A CONTRACT WITH ROBT. T. LYTLE SURVEYOR GENERAL OF THE UNITED STATES FOR STATES OF OHIO INDIANA AND THE TERRITORY MICHIGAN BEARING DATE, THE 26 DAY OF DECEMBER 1835, AND IN STRICT CONFORMITY TO THE LAWS OF THE UNITED STATES AND THE INSTRUCTIONS OF SAID SURVEYOR GENERAL. I HAVE SURVEYED AND SUBDIVIDED INTO SECS. TOWNSHIP (FRACTIONAL) #4N IN RANGE #12E, IN THE TERRITORY OF WISCONSIN AND I DO FURTHER CERTIFY THAT THE FOREGOING ARE THE TRUE AND ORIGINAL FIELD NOTES OF SAID SURVEY & SUBDIVISION EXECUTED AS AFORESAID CERTIFIED THIS 6 DAY OF AUG. 1836
H. BURNHAM
DEPUTY SURVEYOR L. STRAIGHT(?) } CHAINMAN
OTHER CHAINMAN ABSENT } CHAINMAN
MORRIS RIPLEY MARKER

GIS

LAND RECORDS FUNDS WERE USED TO ACQUIRE: THE GPS, GIS, & SURVEY SOFTWARE HARDWARE, HP1055CM PLOTTER, & PAPER

GOVERNMENT CERTIFICATE

[WEST, SOUTH, & NORTH TWP BNDY. -ORIG FIELD NOTES] PERSUANCE TO A CONTRACT WITH AND INSTRUCTIONS FROM M.T. WILLIAMS ESQ. SURVEYOR GENERAL U. STATES BEARING DATE WE HAVE SURVEYED THE EXTERIOR TOWNSHIP LINES WITHIN MENTIONED AND DO HEREBY CERTIFY THAT THE FOREGOING ARE THE TRUE AND ORIGINAL FIELD NOTES CERTIFIED THIS 30TH DAY OF AUG -SEPT 1834 JOHN MULLETT JOHN BRINK D.S.

GOVERNMENT CERTIFICATE

[IN MICROFILM OF FIELD NOTES RECEIVED FROM U.S. ARCHIVES]

THE STATE OF WISCONSIN OFFICE OF THE COMMISSIONERS OF THE PUBLIC LANDS SHALL COME, GREETING:JOHN M. ?CHIEF CLERK OF THE LAND OFFICE OF THE STATE OF WISCONSIN, DO HEREBY CERTIFY THAT THE FOREGOING COPY OF THE FIELD NOTES OF THE ORIGINAL GOVERNMENT SURVEY THE EXTERIOR TOWNSHIP LINES WITHIN MENTIONED, EAST OF THE FORTH PRINCIPAL MERIDIAN WISCONSIN, HAS BEEN COMPARED BY ME WITH THE ORIGINAL FIELD NOTES ON FILE IN THIS OFFICE AND REQUIRED BY LAW TO BE KEPT IN THIS OFFICE, AND THAT THE SAME IS A TRUE COPY THEREOF AND OF THE WHOLE OF SUCH ORIGINAL. THIS COPY IS MADE IN ACCORDANCE WITH CHAPTER 177 LAWS OF 1885, FOR THE REASON THAT THE RECORD IS BECOMING ILLEGIBLE BY AGE. IN TESTIMONY WHEREOF I HAVE HEREONTO SET MY HAND AND AFFIXED THE OFFICIAL STATE OF THE COMMISSIONERS OF THE PUBLIC LANDS AT THE CAPITOL, IN THE CITY OF MADISON, THIS THIRD DAY OF JANUARY A.D. 1891 JOHN M E??? CHIEF CLERK

REMONUMENTATION CERTIFICATE FOR MILTON TWP

I HEREBY CERTIFY THAT IN PURSUANCE OF A CONTRACT ENTERED INTO BY ONE WITH THE SUPERVISORS OF THE TOWN OF MILTON UNDER THE PROVISIONS OF THE LAWS OF WI THAT I HAVE MADE A CAREFUL SURVEY OF SAID TOWN AND HAVE ERECTED AT THE SECTIONS, QUARTER SECTION AND MEANDER CORNERS THEREOF PERMANENT LANDMARKS AND THAT THE FOLLOWING IS A TRUE COPY OF THE FIELD NOTES TAKEN BY ME IN SAID SURVEY, AND THAT THE WORK HAS BEEN CORRECTLY DONE AND IN ALL RESPECTS ACCORDING TO LAW. EDWARD RUGER COUNTY SURVEYOR. JANESVILLE, WI JAN 3 1872

[NOTE: RUGER PLACED CUT LIMESTONES, WHICH WERE CUT BY PRISIONERS IN IL & SHIPPED BY RAIL]

GOVERNMENT CERTIFICATE

[EAST TWP BNDY.-ORIG. FIELD NOTES]
I HEREBY CERTIFY IN PURSUANCE OF A CONTRACT WITH ROBT T. LYTLE SUR. GEN. U. STATES FOR THE STATES OF OHIO, INDIANA AND THE TERRITORY OF MICHIGAN BEARING DATE THE DAY OF SEPT 1835 AND IN STRICT CONFORMITY TO THE LAWS OF THE UNITED STATES & THE INSTRUCTIONS OF SAID SURV. GENL. I HAVE SURVEYED THE EXTERIOR TWP LINES WITHIN MENTIONED AND THAT THE FOREGOING ARE THE TRUE AND ORIGINAL FIELD NOTES CERTIFIED THIS 15 DAY OF MARCH 1836
JOHN BRINK D.S. Wm HENRY
R ? STRANDEL JACK ??

LEGEND

◇ HINTZE - FD CONC. MON. [NORTH TWP. LINE]
□ 1871 RUGER'S REMON. CUT LIMESTONE PERPETUATED [EAST TWP LINE]
○ GPS OBSERVATION ON MON.
○ ORIGINAL GOV. SURVEYORS STAKE PERPETUATED IN COUNTY SURVEYORS' RECORDS AS FOUND OR EST. BY SOME ORIG. GOV. EVIDENCE
553 PLSS COMPUTER #
12 TWP SEC #
● CONTROL PT IN ADJUSTMENT
N00-15-53E 2642.26 INV. OF 1992 WCCS PROJ.

STATE OF WISCONSIN SS
COUNTY OF ROCK

AS COUNTY SURVEYOR OF THE COUNTY OF ROCK, I HEREBY DECLARE THAT THIS MAP AND REPORT WAS MADE UNDER MY DIRECT SUPERVISION AND DIRECTION AND THE INFORMATION HEREON DRAWN CORRECTLY REPRESENTS SAID SURVEY TO THE BEST OF MY KNOWLEDE AND BELIEF.

LAND SURVEYOR'S SEAL
Donald Barnes
DONALD BARNES, PLS
REVISED APR 23, 2008
JAN 3, 2008 PLS #1216
May 2, 2008
ONLY COPIES SEALED WITH AN EMBOSSED SEAL ARE AUTHENTIC COPIES
RICHARD BRANDT - DEPUTY COUNTY SURVEYOR

COMPUTER PRINTOUTS:

THE HP AW4300 WORKSTATION WAS USED TO ADJUST THE MEASURED OBSERVATIONS. ALL THE OBSERVED PROJECT ANGLES AND DISTANCES WERE ADJUSTED BY "CG" SOFTWARE, WHICH WAS WRITTEN BY DR. CHARLES GHILANI & A LEAST SQUARES PROGRAM WHICH, WAS WRITTEN BY DR. BON DEWITT. THE SOFTWARE ADJUSTED THE NETWORK BY THE WEIGHTED LEAST SQUARES METHOD. DIFFERENT PROGRAMS WERE USED BECAUSE OF SLIGHT DIFFERENCES IN THEIR CAPABILITIES OF ANALYZING THE RAW DATA & STATISTICAL OUTPUT. THE PRINTOUTS & OBSERVATION SHEETS ARE FILED IN FILE FOLDERS. THE COMPUTER FILES ARE AS FOLLOWS: SOFTSURV FILE "FUL" CONTAINS 1368 STATIONS; 2157 ANGLES, 1714 DISTANCES, & 80 CONTROL POINTS.
DEWIT FILE "FUL210.DAT" CONTAINS 1368 STATIONS, 2156 ANGLES, 1714 DISTANCES, & 80 CONTROL POINTS.

U.S. PUBLIC LAND SURVEY MONUMENT RECORD:

THE U.S. PUBLIC LAND SURVEY MONUMENT RECORDS ARE FILED BY TOWNSHIP. THESE RECORDS DETAIL THE TYPE OF MONUMENT AND HISTORY OF THE CORNER.

REPORT:

THE PROJECT REPORT CONTAINS A DETAILED OUTLINE OF THE PROJECT & IS IN A FILE FOLDER.

THERE ARE 5 LARGE UNSCALED MAPS

1) MAP #1 IS A MAP OF RECORD AND COMPUTED DISTANCES WITH BEARINGS BETWEEN PLS CORNERS. "AUTOCAD" CREATED THE MAP & "CG" SOFTWARE COMPUTED THE INVERSE BETWEEN POINTS. MAPS #2-5 ARE GENERAL DISTANCE TRAVERSE MAPS. OBSERVATIONS. DEWITT'S SOFTWARE CREATED THE FILE THAT "AUTOCAD" USED TO CREATE THE MAP.

FILE FOLDERS (11 TOTAL)

1) FILE FOLDER #1 CONTAINS THE TOWNSHIP REPORT
2) FILE FOLDER #2 CONTAINS OBSERVATION SHEETS 1-199.
3) FILE FOLDER #3 CONTAINS OBSERVATION SHEETS #200-399.
4) FILE FOLDER #4 CONTAINS OBSERVATION SHEETS #400-499.
5) FILE FOLDER #5 CONTAINS OBSERVATION SHEETS #500-699.
6) FILE FOLDER #6 CONTAINS OBSERVATION SHEETS #700-999.
7) FILE FOLDER #7 CONTAINS OBSERVATION SHEETS #1,000-1,999.

FILE FOLDERS (11 TOTAL)

8) FILE FOLDER #8 CONTAINS OBSERVATION SHEETS #2,000-4,999.
9) FILE FOLDER #9 CONTAINS OBSERVATION SHEETS #5,000-12,000.
10) FILE FOLDER #10 CONTAINS "CG" SOFTWARE ADJUSTMENT OF SOFTWARE FILE "FUL" & THE RAW OBSERVATIONS.
11) FILE FOLDER #11 CONTAINS BON DEWIT ADJUSTMENT OF THE COMPUTER FILE FUL210.DAT & THE RAW OBSERVATIONS.

STATE OF WISCONSIN FULTON TWP T4N R12E ROCK COUNTY