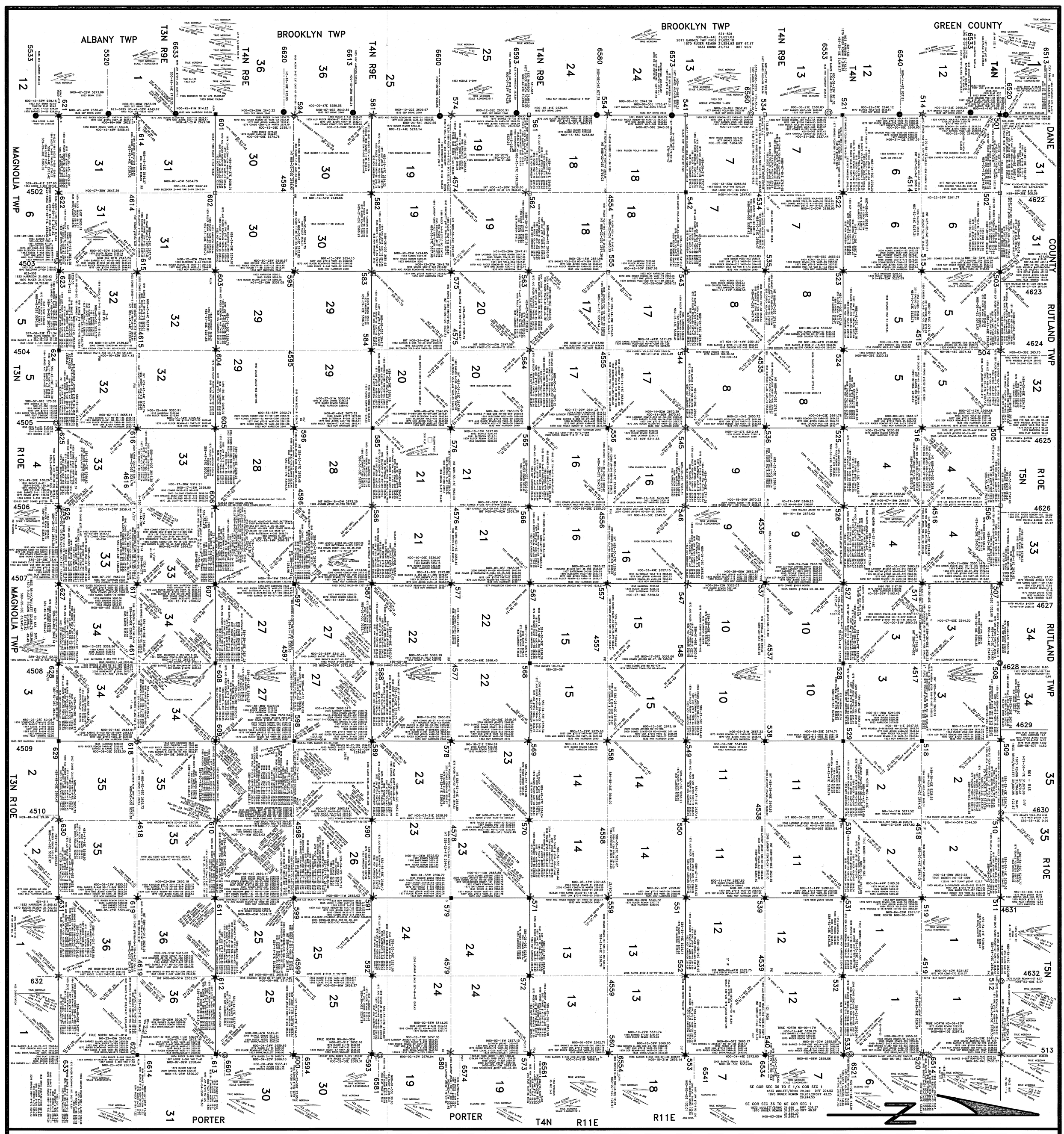

INDEX MAP
MAP #1 OF 5

ARCHIVAL INK
HPC4871A INK
CARTRIDGE

ROCK COUNTY PROJECTIONS (2006) WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS)

PROJECTION	TRANSERVERSE MERCATOR	
DATUM	GRS 80	GRS 80 (AS PUBLISHED IN 1986)
ORIGIN LONGITUDE	– 89–04–20.000000 – 89.072222222222	SEMIMAJOR AXIS 6,378,137 METERS (EXACTLY)
ORIGIN LATITUDE	41–56–40.000000 41.944444444	SEMIMINOR AXIS 6,356,752.31414 METERS
FALSE EASTING:	146,304.2926 METERS (480,000.000 US SURVEY FEET)	
FALSE NORTHING:	0.0068 METERS (0.022 US SURVEY FEET)	
SCALE FACTOR ON CENTRAL MERIDIAN	1.0000337311	

GROUND & GRID DISTANCES DIFFER BY NO MORE THAN 1:50,000 IN URBAN AREAS & NO MORE THAN 1:30,000 IN RURAL AREAS

1 SURVEY FOOT = 1200/3937 METERS (EXACTLY)

DESIGNED BY DR. ALAN VONDEROHE AND ADOPTED BY STATE AGENCIES & ROCK COUNTY

GENERALLY, I DID NOT ATTEMPT TO LOCATE THE INTERIOR PLSS CORNERS. DUE TO HISTORICAL ALLOWABLE & ACCEPTABLE FIELD ERRORS & VARIATIONS IN THE STATE LAWS MANY OF THE CENTER OF SECTIONS ARE NOT BASED ON THE INTERSECTION OF THE QUARTER LINES. ALSO MANY OF THE 1/16TH CORNERS ARE NOT ON A STRAIGHT LINE BETWEEN THE SECTION & QUARTER CORNERS THUS CREATING ANGLE POINTS IN THE PLSS LINES. THEREFORE THE SHOWN BEARINGS & DISTANCES ARE BETWEEN EXISTING MONUMENTS & DO NOT NECESSARILY REPRESENT THE PLSS LINE. MAPPED INTERIOR FOUND MONUMENTS MAY OR MAY NOT BE THE CORNER BUT ARE SHOWN FOR COMPUTATIONAL PURPOSES & PRESERVATION. THEY ARE NOT ACCEPTED NOR REJECTED.

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

SURVEYOR AFFIDAVIT

[UNION NOTES]

SURVEYED OCT 29th/NOV 4th 1833
[IN FIELD NOTES]
I DO HEREBY CERTIFY THAT IN PURSUANSE OF A CONTRACT WITH MR. L. WILLIAMS ESQ. SURVEYOR GENERAL OF THE UNITED STATES FOR STATES OF OHIO INDIANA AND THE TERRITORY MICHIGAN BEING DATE THIS 15TH DAY OF NOV. 1833, AND IN STRICK CONFORMITY WITH THE LAWS OF THE UNITED STATES AND THE INSTRUCTIONS OF SAID SURVEY GENERAL. I HAVE SURVEYED AND SUBDIVIDED INTO SECS. TOWN 4N RANGE 10E IN THE NORTH WESTERN TERRITORY AND I DO FURTHER CERTIFY THAT THE FOREGOING ARE THE TRUE AND ORIGINAL FIELD NOTES OF SAID SURVEY & SUBDIVISION EXECUTED AS AFORESAID CERITIED THIS FEBRUARY 16TH 1833.
GEORGE W. HARRISON DEPUTY SURVEYOR
HIRUM Mc MALLOW } CHAINMAN
PHILIP McLEER }
PETER B (X) BEER } MARKER

CIRCUIT COURT OF ROCK COUNTY CERTIFICATE

ON THIS 28TH DAY OF JAN. 1871 PERSONNALLY APPEARED BEFORE ME THE ABOVE NAMED EDWARD RUGER , TO ME WELL KNOWN, AND ON OATH DECLARED THAT HE MADE THE ABOVE AND FOREGOING STATE–MENT SIGNED BY HIM & THAT THE FACTS & FIGURES THEREIN STATED ARE TRUE TO THE OF HIS KNOWLEDGE AND BELIEF.
M.M. PHILPS, COURT COMMISIONER CIRCUIT COURT COUNTY OF ROCK

SUPERVISORS OF UNION TWP CERTIFICATE

WE THE SUPERVISORS OF THE TOWN OF UNION, HEREBY CERTIFY THAT AT THE ANNUAL TOWN MEETING HELD IN SAID TOWN IN THE YEAR 1870, A MAJORITY OF THE QUALIFIED ELECTORS OF SAID TOWN VOTED IN FAVOR OF THE ERECTION OF PERMANENT LAND MARKS THEREIN, & THAT BY VIRTUE OF SAID VOTE & POWERS IN US VESTED BY THE LAWS OF WI, WE ENTERED INTO CONTRACT ON THE _ DAY OF _ 1870 WITH EDWARD RUGER, DEPUTY COUNTY SURVEYOR OF ROCK COUNTY, FOR THE SURVEY OF SAID TOWN & ERECTION OF

PERMANENT LAND MARKS THEREIN. RECORDED JUNE 29TH 1871 AT 10:00 O'CLOCK AM
CHAT ?? STARK REGISTER

GOVERNMENT AFFIDAVIT

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

GIS

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

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

LEGEND

- ■ 1871 RUGER'S REMON. SET CUT LIMESTONE PERPETUATED ORIG SURVEY
- ☐ 1871 RUGER'S REMON. DECLARED LOST
- ✳ FD CUT LIMESTONE / CUT LIMESTONE PERPETUATED
- ● GREEN COUNTY ALUM.
- @ ORIG COR ON COUNTY LINE
- ○ ORIGINAL GOV. SURVEYORS STAKE / PERPETUATED IN COUNTY SURVEYORS' RECORDS AS FOUND ORIG. STAKE OR EST. BY BEARING TREES.

553 PLSS COMPUTER #
12 TWP SEC #
N00–01–55W 2662.71 INV. OF 1992 WCCS PROJ.

1833 GENERAL INSTRUCTION

SEE SPRAGUE'S MANUAL PAGE 42 IN REFERENCE TO INSTRUCTIONS REGUIREMENT FOR WEST & NORTH BOUNDARY WHERE THE CLOSING LINES DO NOT INTERSECT ADJOINING TOWNSHIP MONUMENT.
IN SUCH CASE THE SURVEYOR MUST SET A POST AND TAKE BEARING TREES.

SURVEYOR'S CERTIFICATE

[FIELD NOTES: AUG. 16,1870–SEP 9TH 1870]
PG 58 OF UNION REMON. NOTES
I HEREBY CERTIFY THAT IN PURSUANCE OF A CONTRACT ENTERED INTO BY ME WITH THE SUPERVISORS OF THE TOWN OF UNION UNDER THE PROVISIONS OF THE LAWS OF WISCONSIN, THAT I HAVE MADE A CAREFUL SURVEY OF SAID TOWN AND HAVE ERECTED AT THE SECTION AND QUARTER SECTION CORNERS THEREOF PERMANENT LAND MARKS AND THAT THE FOLLOWING IS A TRUE COPY OF THE FIELD NOTES TAKEN BY ME IN ALL RESPECTS ACCORDING TO LAW. EDWARD RUGER, COUNTY SURVEYOR. JANESVILLE JAN. 28, 1871

STATE OF WISCONSIN COUNTY OF ROCK SS

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 KNOWLEDGE AND BELIEF.
LAND SURVEYOR'S SEAL
DONALD BARNES, PLS
APRIL 23, 2012
Revised 7/16/2012
ONLY COPIES SEALED WITH AN EMBOSSED SEAL ARE AUTHENTIC COPIES
Donald Barnes
July 16, 2012

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 "UNION" CONTAINS 909 STATIONS; 1,531 ANGLES, 1,201 DISTANCES, & 60 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.
2) MAPS #2&3 ARE DISTANCE NETWORK OBSERVATION MAPS. DEWITT'S SOFTWARE CREATED THE FILE THAT "AUTOCAD" USED TO CREATE THE MAP.
3) MAPS #4&5 ARE COORDINATES OF SECTION & TRAVERSE STATIONS.

FILE FOLDERS (8 TOTAL)

1) FILE FOLDER #1 CONTAINS THE TOWNSHIP REPORT
2) FILE FOLDER #2 – OBSERVATION SHEETS 1–200
3) FILE FOLDER #3 – OBSERVATION SHEETS #201–399
4) FILE FOLDER #4 – OBSERVATIONS $400–499
5) FILE FOLDER #5 – OBSERVATION SHEETS #500–699
6) FILE FOLDER #6 – OBSERVATION SHEETS #700–10,000
7) FILE FOLDER #7 – OBSERVATIONS & ADJUSTMENT SURVEDIT SOFTWARE FILE "UNION"
8) FILE FOLDER #8 OBSERVATIONS & ADJUSTMENT BON DEWIT SOFTWARE "UNION.DAT"

STATE OF WISCONSIN UNION TWP T4N R10E ROCK COUNTY