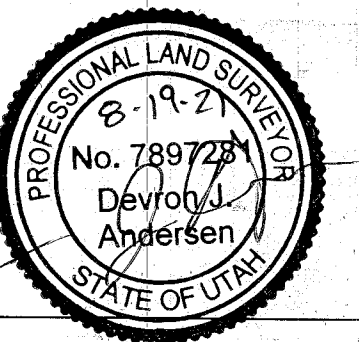


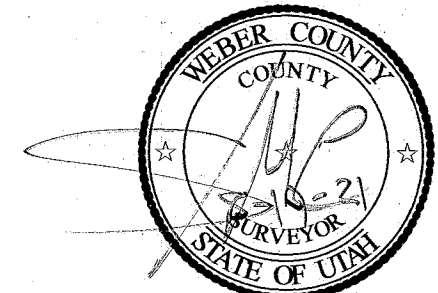
**SURVEYOR'S CERTIFICATE:**

I, DEVRON ANDERSEN, A PROFESSIONAL LAND SURVEYOR HOLDING LICENSE NUMBER 7897281, IN ACCORDANCE WITH THE LAWS OF THE STATE OF UTAH, AND IN ACCORDANCE WITH TITLE 58, CHAPTER 22, PROFESSIONAL ENGINEERS AND PROFESSIONAL LAND SURVEYOR'S LICENSING ACT, HAVE COMPLETED A SURVEY OF THE HIGHWAY CENTERLINE DESCRIBED HEREON IN ACCORDANCE WITH SECTION 17-23-17 AND HAVE VERIFIED ALL MEASUREMENTS AND PLACED MONUMENTS ON THE GROUND AS REPRESENTED HEREON.



8/19/2021  
DATE:

I, Stephen Collier, PLS, DO HEREBY CERTIFY THAT I AM A DEPUTY SURVEYOR OF THE WEBER COUNTY RECORDER/SURVEYOR'S OFFICE, STATE OF UTAH, AS PRESCRIBED UNDER THE LAWS OF THE STATE OF UTAH AND THAT A SURVEY OF THE HIGHWAY CENTERLINE HAS BEEN MADE UNDER THE DIRECTION OF THE WEBER COUNTY RECORDER/SURVEYOR AS SHOWN AND DESCRIBED HEREON.



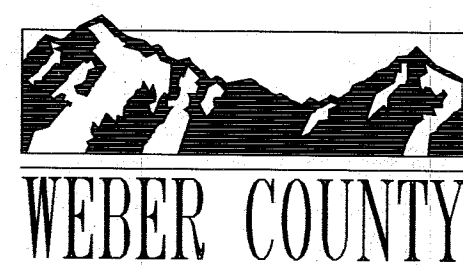
**SURVEYOR'S NARRATIVE:**

THE PURPOSE OF THIS SURVEY WAS TO RETRACE THOSE SECTION LINES WITHIN TOWNSHIP 8 NORTH, RANGE 1 WEST, THAT ARE ALSO WITHIN WEBER COUNTY, UTAH. THIS SURVEY WAS CONDUCTED AT THE DIRECTION OF WEBER COUNTY COMMISSIONER JAMES H. HARVEY PER AN INQUIRY REGARDING THE LOCATION OF THE SOUTHEAST CORNER OF SECTION 27 OF SAID TOWNSHIP BY MR. ROYAL ECCLES. THE BASIS OF BEARING FOR THIS SURVEY IS NORTH 00° 20' 35" EAST A DISTANCE OF 31,990.09 FEET AS MEASURED BETWEEN BLM BRASS CAP MONUMENTS FOUND AT THE SOUTHWEST AND NORTHWEST CORNERS OF SAID TOWNSHIP. THE EXISTING BLM PIPE MONUMENTS AND FOUND STONE MONUMENTS WERE HELD AS THE BEST EVIDENCE FOR DETERMINING THE SECTION LINE LOCATIONS. THIS SURVEY WAS EXECUTED IN ACCORDANCE WITH THE SPECIFICATIONS AS SET FORTH IN THE 2009 BLM MANUAL OF SURVEY INSTRUCTIONS. BEFORE 'RESTORING' ANY CORNERS, THE LINES OF THE ORIGINAL SURVEY WERE RETRACED AND A DILIGENT SEARCH MADE FOR ANY EVIDENCE OF THE ORIGINAL CORNERS, BEARING TREES, AND OTHER CALLS OF THE ORIGINAL FIELD NOTE RECORD. WHEN DULY IDENTIFIED, THE CORNER POSITIONS WERE REMONUMENTED. THE RULES OF PROPORTIONATE MEASUREMENT WERE APPLIED IN ORDER TO ASCERTAIN THE POSITION OF LOST CORNERS AFTER COMPLETING THE NECESSARY RETRACEMENTS TO CONNECT WITH THE IDENTIFIED CORNER LOCATIONS, BUT NOT UNTIL EXHAUSTING EVERY REASONABLE POSSIBILITY OF FINDING DIRECT EVIDENCE FOR THE CONTROL OF SAID CORNERS.

- A HISTORICAL SUMMARY OF PRIOR SURVEY WORK FOUND REGARDING THIS TOWNSHIP IS GIVEN BELOW.
1. THE NORTH BOUNDARY OF SAID TOWNSHIP WAS SURVEYED BY JAMES H. MARTINEAU IN 1877 AND BY EDWARD W. KOEBER IN 1880.
  2. THE EAST BOUNDARY OF SAID TOWNSHIP WAS SURVEYED BY J. FEWSON SMITH IN 1871, BY ARTHUR F. BENSON IN 1887, AND BY FRED R. CHAPPELL IN 1966.
  3. THE SOUTH BOUNDARY OF THE TOWNSHIP WAS SURVEYED BY ARTHUR F. BENSON IN 1887.
  4. THE SOUTH LINE OF SECTION 36 OF SAID TOWNSHIP WAS SURVEYED BY J. FEWSON SMITH IN 1871.
  5. THE SOUTH LINES OF SECTIONS 35, 34, 33, & 32 OF SAID TOWNSHIP WERE SURVEYED BY NEPHI P. ANDERSON IN 1902.
  6. WHILE SURVEYING THE SUBDIVISION OF SECTIONS WITHIN TOWNSHIP 7 NORTH, RANGE 1 WEST, JOHN T. BRECKON CLOSED ON THE NORTH LINE OF SAID TOWNSHIP AT THE SOUTHEAST CORNER OF SECTION 34 OF TOWNSHIP 8 NORTH, RANGE 1 WEST IN 1893.
  7. THE WEST BOUNDARY OF THE TOWNSHIP WAS SURVEYED BY ARTHUR F. BENSON IN 1887.
  8. AN OFFSET MERIDIAN OF THE WEST BOUNDARY OF THE TOWNSHIP WAS SURVEYED BY JOSEPH TROSKOLAWSKI IN 1855 AND BY ANDREW J. STEWART IN 1875.
  9. WHILE SURVEYING THE SUBDIVISION OF SECTIONS WITHIN TOWNSHIP 8 NORTH, RANGE 2 WEST, EDWARD W. KOEBER CLOSING ON THE EAST LINE OF SAID TOWNSHIP AT THE NORTHWEST CORNERS OF SECTIONS 31, 30, 19, 18, AND 7 OF TOWNSHIP 8 NORTH, RANGE 1 WEST IN 1890.
  10. THE WEST LINE OF SECTIONS 31, 30, AND 19, THE NORTH LINE OF SECTION 5, AND THE NORTHWEST CORNER OF SECTION 6 OF SAID TOWNSHIP WERE SURVEYED BY RICHARD A. ZANNOVICH IN 1985.
  11. WHILE SURVEYING THE SUBDIVISION OF SECTIONS WITHIN TOWNSHIP 7 NORTH, RANGE 1 WEST, NEPHI P. ANDERSON CLOSING ON THE NORTH LINE OF SAID TOWNSHIP AT THE SOUTHEAST CORNERS OF SECTIONS 33, 32, AND 31 OF TOWNSHIP 8 NORTH, RANGE 1 WEST IN 1902.
  12. THE SUBDIVISION OF SECTIONS WITHIN THIS TOWNSHIP WAS SURVEYED BY ARTHUR F. BENSON IN 1887.

CONTINUED ON PAGE 2...

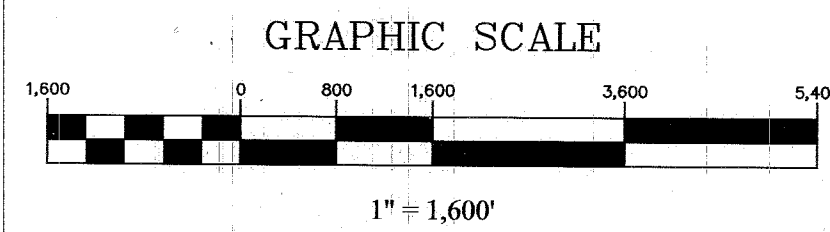
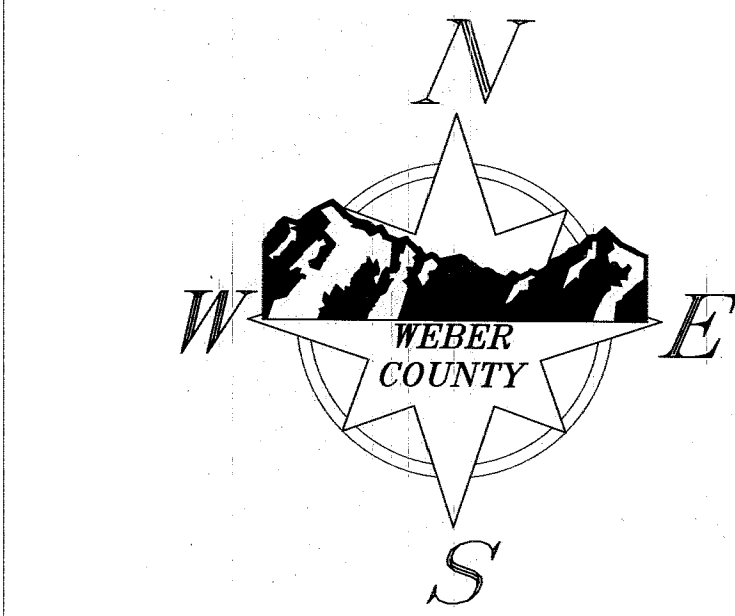
**DEPENDENT RE-SURVEY OF TOWNSHIP 8 NORTH, RANGE 1 WEST, SALT LAKE BASE & MERIDIAN**  
OCTOBER 2020



2380 Washington Blvd, Suite 370  
Ogden, Utah 84401  
PHONE: (801) 399-8020  
FAX: (801) 399-8316

RECORD OF SURVEY NUMBER:	
FIELD WORK BY: WEBER COUNTY SURVEY CREW	
DRAWN BY: JEREMY MATHEWS	
CHECKED BY: BRETT BADLEY	
APPROVED BY: DEVRON ANDERSEN	
DATE OF DRAWING: 1/21/2021	
SHEET NUMBER: <b>1/3</b>	

**DEPENDENT RE-SURVEY OF TOWNSHIP 8 NORTH, RANGE 1 WEST, SALT LAKE BASE & MERIDIAN**  
OCTOBER 2020



**LEGEND**

FOUND MONUMENT	◆
SET MONUMENT	⊙
CALCULATED POSITION	⊕
FOUND TOWNSHIP LINE	---
SECTION LINE	---
REFERENCE SECTION LINE	---
WEBER COUNTY BOUNDARY	---
PARCEL LINES	---
1966 WEBER COUNTY SURVEY	---
1969 GREAT BASIN SURVEY	---
1974 GREAT BASIN SURVEY	---
2018 GREAT BASIN SURVEY	---
REFERENCE TIE LINE	---
ROAD	---
FENCES	X
PROPOSED NEW PARCEL	---
BUILDING	---

**IMPORTANT NOTE!**  
BECAUSE OF THE EXTREME VARIATION IN ELEVATION THROUGHOUT THIS TOWNSHIP, THE MEASURED BEARINGS AND DISTANCES SHOWN ON THIS SURVEY HAVE BEEN SCALED TO GROUND FROM UTAH STATE PLANE GRID NORTH ZONE USING A SCALE FACTOR OF 1.00029237724560 WITH A FOCAL POINT AT (0,0).

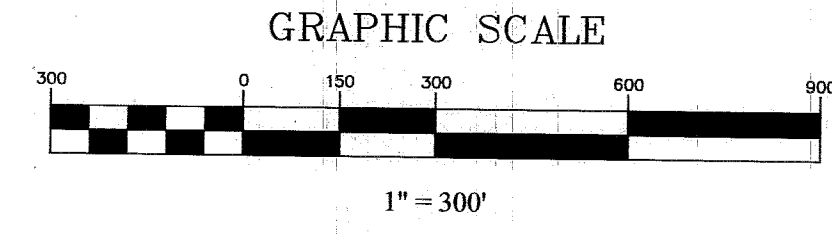
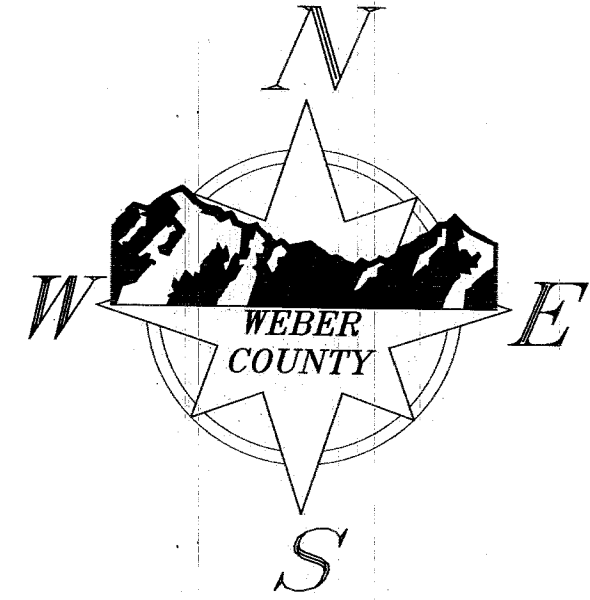
**GENERAL NOTES:**

1. NO EASEMENTS ARE ADDRESSED BY THIS MAP.
2. THIS MAP IS NOT PROOF OF OWNERSHIP.
3. COURSES AND DISTANCES SHOWN ON THIS MAP BETWEEN EXISTING MONUMENTS ARE MEASURED DIMENSIONS TAKEN FROM ACTUAL FIELD MEASUREMENTS, UNLESS CONTAINED WITHIN PARENTHESIS, INDICATING A RECORD COURSE OR DISTANCE. RECORD INFORMATION IS TAKEN FROM MAPS, PLATS, DEEDS OF RECORD, OR OTHER SOURCES OF RECORD INFORMATION.
4. COURSES AND DISTANCES SHOWN ON THIS MAP BETWEEN MONUMENTS NOT SET ARE CALCULATED DIMENSIONS, UNLESS CONTAINED WITHIN PARENTHESIS, INDICATING A RECORD COURSE OR DISTANCE. RECORD INFORMATION IS TAKEN FROM MAPS, PLATS, DEEDS OF RECORD, OR OTHER SOURCES OF RECORD INFORMATION.
5. COURSES AND DISTANCES SHOWN ON THIS MAP ALONG THE NORTH LINE OF TOWNSHIP 8 NORTH ARE BETWEEN THE CLOSING CORNERS WHICH SUBDIVIDE THE 8 NORTH, RANGE 1 WEST TOWNSHIP, NOT BETWEEN THE CORNERS COMMON TO SECTIONS WITHIN THE 9 NORTH, RANGE 1 WEST TOWNSHIP.
6. NO ABSTRACT OF TITLE, OR COMMITMENT FOR TITLE INSURANCE WAS OBTAINED OR REVIEWED DURING THE PROCESS OF THIS SURVEY. THERE MAY EXIST OTHER DOCUMENTS OF RECORD THAT MAY AFFECT THE SUBJECT PROPERTY'S QUALITY OF TITLE.
7. BUILDINGS SHOWN HEREON HAVE BEEN ROUGHLY SKETCHED USING AERIAL IMAGERY AND ARE APPROXIMATIONS ONLY.
8. ROADS SHOWN HEREON HAVE BEEN ROUGHLY SKETCHED USING AERIAL IMAGERY AND ARE APPROXIMATIONS ONLY.
9. PARCEL LINES WERE NOT SURVEYED AND ARE SHOWN FOR REFERENCE ONLY.
10. BECAUSE THE ELEVATION DIFFERENCE AMONG SECTION CORNER LOCATIONS FOUND IN THIS TOWNSHIP VARY BY MORE THAN 2,300 FEET, THE GROUND DISTANCES SHOWN WERE SCALED FROM STATE PLANE GRID. SEE "IMPORTANT NOTE" ON EACH PAGE.



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**SURVEYOR'S NARRATIVE CONTINUED FROM PAGE 1:**

IN 1966 THE SOUTH QUARTER CORNER OF SECTION 36 OF TOWNSHIP 8 NORTH, RANGE 1 WEST WAS MOVED BY THE WEBER COUNTY SURVEYOR TO COINCIDE WITH AN "...OLD 1/2 CORNER PIPE WITH A MOUND OF ROCK AROUND IT..." AND THAT "...THE OLD CUT LINE CAN BE FOUND RUNNING NORTH, SOUTH, AND WEST..." AND THAT THE "...CORNER WAS FIRST PLACED TWO (2) FEET SOUTH OF KING PROPERTY FENCE BUT WAS MOVED WHEN THIS POINT WAS FOUND..." THE PIPE LOCATION WAS 54' WEST AND 75' SOUTH OF THE POSITION USED BEFORE 1966. A BRASS CAP WAS PLACED ON THIS PIPE IN 1966. FIELD NOTES FROM THEN SHOW A LINE RUNNING 1,271.18' WESTERLY TO SET THE WEST 1/16TH CORNER. WESTERLY FROM THE 1966 PIPE A CALCULATED POSITION IS SHOWN FOR THE SOUTHWEST CORNER OF SECTION 36. FIELD NOTES FROM 1967 SHOW A "MOUND OF ROCK" AT THIS LOCATION, BUT SAID LOCATION WAS NEVER MONUMENTED. BRASS CAPS WERE HOWEVER SET AT THE SOUTH 1/16TH CORNER OF SECTION 36 AND THE WEST QUARTER CORNER OF SECTION 36 ON A LINE THAT COINCIDED WITH SAID "MOUND OF ROCKS". SAID QUARTER CORNER LIES INSIDE WHAT IS NOW UTABA RESERVOIR.

THE 1966 TIE SHEET RECORDS THAT "CUT LINES" COULD BE SEEN RUNNING, "...NORTH, SOUTH, AND WEST..." FROM THE SOUTH QUARTER CORNER OF SECTION 36. THIS IS INTERESTING SINCE ORIGINAL CUT LINES SHOULD HAVE ONLY BEEN RUN EAST AND WEST FROM A SOUTH QUARTER CORNER. WHEN AERIAL IMAGERY FROM 1946 WAS EXAMINED, NO "CUT LINES" COULD BE DETECTED IN THE IMAGERY. ANY CUT LINE THAT WAS STILL VISIBLE IN 1966 SHOULD HAVE BEEN EVEN MORE VISIBLE FROM 20 YEARS EARLIER.

IN 1969, JAY R. ANDERSON SIGNED, STAMPED AND HAD NOTARIZED, A LETTER (NOW ON FILE IN THE WEBER COUNTY SURVEYOR'S OFFICE) IN WHICH HE DOCUMENTS TWO DESCRIPTIONS FOR THE SAME PROPERTY (WHAT IS NOW PARCEL #17-092-0005 IN SECTION 36) CORRESPONDING TO BOTH BEFORE AND AFTER THE RELOCATION OF THE SOUTH QUARTER CORNER OF SECTION 36 IN 1966. THAT SAME YEAR, HE THEN CONDUCTED A SURVEY FOR MR. JOSEPH SMITH (HEREON REFERRED TO AS THE 1969 GREAT BASIN SURVEY) IN WHICH HE MARKED THE EAST LINE OF SECTION 27 IN TOWNSHIP 8 NORTH, RANGE 1 WEST. THIS SURVEY APPEARS TO RELY ON THE SOUTH 1/16TH CORNER AND EAST QUARTER CORNER (OF SECTION 35) MENTIONED ABOVE. THE POB OF SAID EAST LINE OF SECTION 27 IN SAID SURVEY, WAS DETERMINED BY A TIE WHICH TRAVERSES ACROSS SECTION 35 RATHER THAN ALONG THE SECTION LINES. THIS SURVEY MAKES NO MENTION OF ANY OTHER FOUND CORNERS.

IN 1974, ANOTHER SURVEY BY GREAT BASIN ENGINEERING & LAND SURVEYING, STAMPED BY JAY R. ANDERSON CONTINUED A SURVEY OF SECTION 27 AND SET HUB AND TACK MARKING THE REMAINING CORNERS OF SECTION 27. THE 1974 SURVEY CORRESPONDS TO THE EARLIER 1969 GREAT BASIN SURVEY AND LIKEWISE TO THE 1966 WEBER COUNTY SURVEY. A NOTE ON THIS SURVEY SAYS, "SEARCH FOR ORIGINAL CORNERS PROVED UNFRUITFUL". THE POSITION FOR THE NORTHEAST CORNER OF SECTION 27 ON THIS SURVEY IS SHOWN AS A "...FOUND PIPE WITH METAL FENCE POST..." HOWEVER NO MENTION OF SAID PIPE EVER APPEARED ON THE PREVIOUS SURVEY DONE ONLY 5 YEARS PRIOR TO THAT. IN THE 1969 SURVEY, THAT SAME LOCATION WAS MONUMENTED WITH A "...HUB AND TACK..." WHICH INDICATES THAT SOMETIME BETWEEN 1969 AND 1974 SAID HUB AND TACK WAS REPLACED WITH SAID PIPE.

IN 2001, DENTON H. BEECHER MARKED THE NORTHEAST CORNER OF SECTION 23 WITH A REBAR AND CAP STAMPED "BOX ELDER CO. SURVEYOR" AND BUILT A MOUND OF STONES AROUND IT. THIS MOUND WAS SEARCHED THOROUGHLY IN PERFORMING THIS SURVEY AND A MARKED STONE WAS FOUND NEXT TO SAID REBAR, HOWEVER SAID STONE HAD MARKINGS THAT WERE INCONSISTENT WITH THE RECORD OR PROPER FORM. A PROPERLY MARKED STONE SHOULD HAVE 3 NOTCHES ON ONE SIDE, AND 1 NOTCH ON ANOTHER. THIS STONE HAD 4 (MAYBE 5) NOTCHES ALL ON THE SAME EDGE. THE NOTCHES LOOKED "FRESH" SHOWING THE EXPOSED MINERAL UNDER WHAT SHOULD HAVE BEEN A MORE WEATHERED SURFACE. THE DIMENSIONS OF THE STONE ALSO DID NOT MATCH BENSON'S 1887 DESCRIPTION. BENSON CLAIMS TO HAVE SET, "...LIMESTONE 18X12X6, 12 INS. IN GROUND..." WHEREAS THE STONE FOUND NEXT TO BEECHER'S REBAR WAS MUCH SMALLER AND MEASURED CLOSER TO 16X5X2.

IN 2018, ANOTHER SURVEY BY GREAT BASIN ENGINEERING INC. WAS DONE IN SECTION 23 OF TOWNSHIP 8 NORTH, RANGE 1 WEST. THIS SURVEY HOLDS THE ABOVE MENTIONED PIPE FOR THE NORTHEAST CORNER OF SECTION 27, ALSO ACCORDING TO THAT SURVEY, THE SOUTHWEST CORNER OF SECTION 23 WAS "...POSITIONED FROM FOUND MONUMENTS..." ONE OF THESE MONUMENTS IS SHOWN AS THE "...SOUTHEAST CORNER OF SECTION 35..." WHICH WAS ITSELF CALCULATED BY THE 1966 WEBER COUNTY SURVEY. THE NORTHEAST CORNER OF THIS SURVEY HOLDS THE BOX ELDER COUNTY REBAR AND CAP MENTIONED ABOVE.

THE CHAIN LINK FENCE BETWEEN WEBER COUNTY'S NORTH FORK PARK AND THE UTAH ASSOCIATION OF AMERICAN BAPTIST CHURCHES, AS WELL AS CURRENT OCCUPATION BY LANDOWNERS IN SECTIONS 27 AND 23 ARE ALL RELATED AND CAN BE TRACED BACK TO A COMMON POINT OF PERPETUATED ERROR. THAT POINT OF ERROR IS WHEN THE SOUTH QUARTER CORNER OF SECTION 36 OF TOWNSHIP 8 NORTH, RANGE 1 WEST WAS MOVED IN 1966. IN PERFORMING THIS DEPENDENT SURVEY, THE ORIGINAL QUARTER CORNER STONE, PLAINLY AND PROPERLY MARKED WAS FOUND LESS THAN 5 FEET FROM WHERE THE 1966 TIE SHEET INDICATES IT SHOULD HAVE BEEN. THE REPOSITIONING OF THIS QUARTER CORNER AND THE CALCULATED POSITION FOR THE SOUTHWEST CORNER OF SECTION 36 THAT ROUGHLY CORRESPONDS TO AN EXPOSED ROCKY AREA IN 1966 FORM PART OF THE BASIS OF THE 1969, 1974, & 2018 GREAT BASIN SURVEYS.

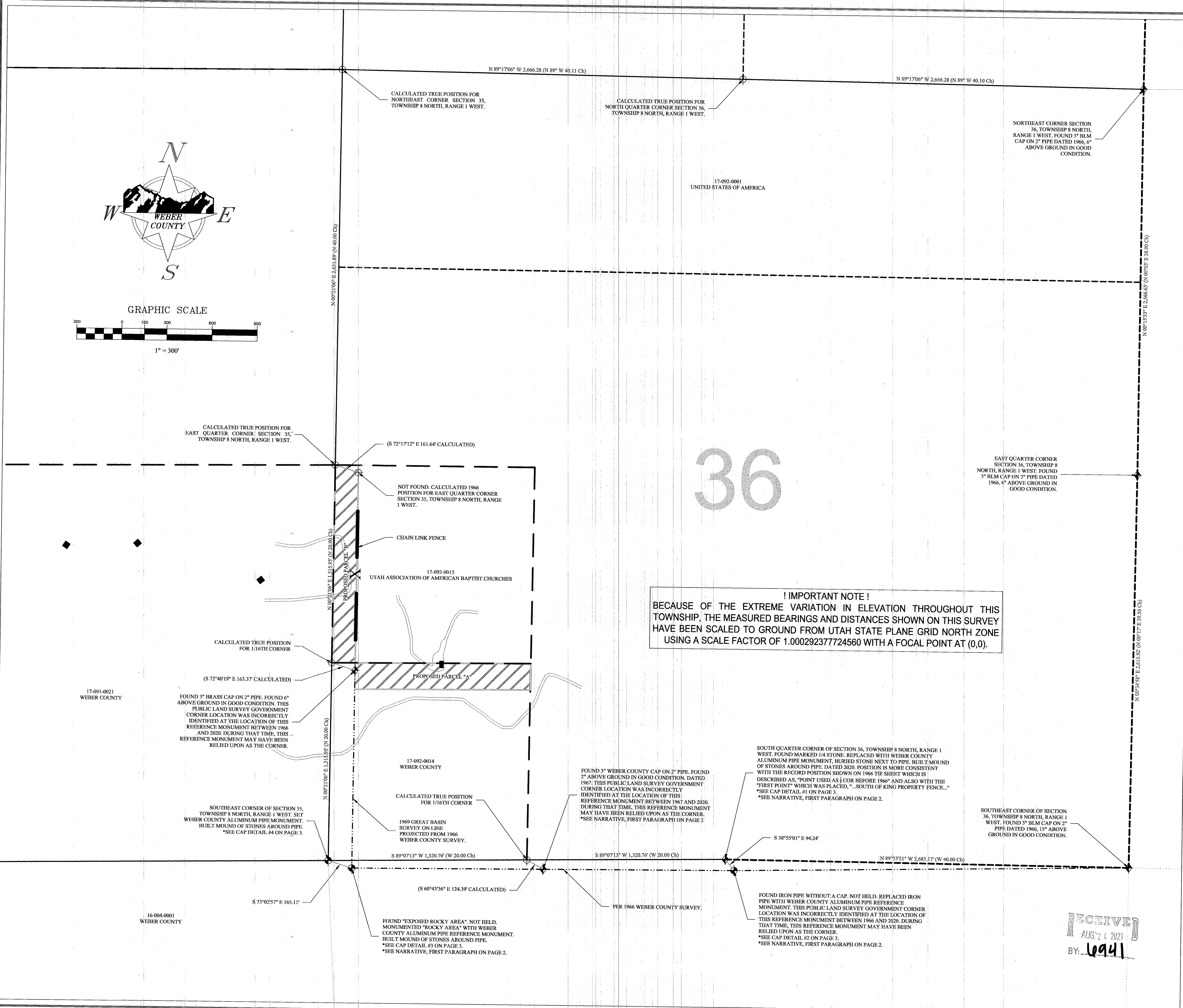
THE PARCELS SHOWN ON PAGE 2 LABELED "PROPOSED PARCELS..." ARE SUGGESTED EXCHANGES BETWEEN WEBER COUNTY AND THE UTAH ASSOCIATION OF AMERICAN BAPTIST CHURCHES WHICH COULD REMEDY ANY EXISTING CONFLICT BETWEEN PRESENT OCCUPATION OF IMPROVEMENTS (MADE BY BOTH PARTIES, EACH ON THE OTHER'S PROPERTY) WITH THEIR OWN TITLE PROPERTY. THE PARCELS SHOWN ON PAGE 3 LABELED "PROPOSED PARCELS..." ARE SUGGESTED DESCRIPTIONS THAT WOULD LIKEWISE ALSO REMEDY THE SAME TYPE OF PROBLEM BETWEEN WEBER COUNTY AND THE PRIVATE LAND OWNERS IN SECTION 27.

SEVERAL FACTORS HAVE CONTRIBUTED TO THE DIFFICULTY IN LOCATING THE SECTION LINES SUBDIVIDING TOWNSHIP 8 NORTH, RANGE 1 WEST. THE CALCULATED POSITION IN 1966 FOR THE SOUTHWEST CORNER OF SECTION 36 WHICH IS DESCRIBED AS A "MOUND OF ROCKS" DOES NOT MATCH THE DESCRIPTION GIVEN BY NEMPH P. ANDERSON IN 1962. IN THOSE NOTES HE SAYS THAT THE CORNER IS, "...A STAKE..." BUT MAKES NO MENTION OF A MOUND OF STONES. HE ALSO MENTIONS A "...CROSS ON A STONE..." USED TO MARK THE MERIDIAN, BUT NEITHER OF THOSE MONUMENTS WERE RECOVERED IN THIS SURVEY. HE THEN RUNS WEST, FINDS THE 1/2 STONE AND CONTINUES WEST TO THE SOUTHWEST CORNER OF SECTION 34 WHICH AT THAT TIME HE SAID WAS ALSO A POST. THESE 2 POSTS WERE DILIGENTLY SEARCHED FOR, BUT HAVE VERY POSSIBLY ROTTED AWAY IN THE 118 YEARS SINCE. IT IS INTERESTING TO NOTE THAT THE ONLY 2 SECTION CORNERS WHICH WERE REPORTED TO BE POSTS INSTEAD OF STONES ALONG THIS TOWNSHIP LINE BETWEEN SECTIONS 36 AND 33 ARE ALSO 2 OF THE SECTION CORNERS WHICH THIS SURVEY WAS UNABLE TO LOCATE. THE QUARTER CORNER BETWEEN THESE TWO POSTS WAS SAID TO BE A STONE, AND WAS SEARCHED FOR AT LENGTH BUT WAS ALSO NOT RECOVERED.

CONTINUED ON PAGE 3...

**! IMPORTANT NOTE !**  
BECAUSE OF THE EXTREME VARIATION IN ELEVATION THROUGHOUT THIS TOWNSHIP, THE MEASURED BEARINGS AND DISTANCES SHOWN ON THIS SURVEY HAVE BEEN SCALED TO GROUND FROM UTAH STATE PLANE GRID NORTH ZONE USING A SCALE FACTOR OF 1.00029237724560 WITH A FOCAL POINT AT (0,0).

36



**DEPENDENT RE-SURVEY OF TOWNSHIP 8 NORTH, RANGE 1 WEST, SALT LAKE BASE & MERIDIAN**  
OCTOBER 2020



RECORD OF SURVEY NUMBER:	
FIELD WORK BY: WEBER COUNTY SURVEY CREW	
DRAWN BY: JEREMY MATHEWS	
CHECKED BY: BRETT BADLEY	
APPROVED BY: DEVRON ANDERSEN	
DATE OF DRAWING: 1/21/2021	
SHEET NUMBER: <b>2/3</b>	

2380 Washington Blvd, Suite 370  
Ogden, Utah 84401  
PHONE: (801) 399-8020  
FAX: (801) 399-8316

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BY: 6941

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**CAP DETAILS FOR MONUMENTS SET:**

Monument Detail #1: T8N R1W 36, T7N R1W 2020, RM2

Monument Detail #2: 94.2 FT RM2

Monument Detail #3: RM2, 165.1

Monument Detail #4: T8N R1W 3536, T7N R1W 2020, RM2

Monument Detail #5: T8N R1W 3435, T7N R1W 2020, RM2

Monument Detail #6: T8N R1W 34, T7N R1W 2020, RM2

Monument Detail #7: T8N R1W 3334, T7N R1W 2020, RM2

Monument Detail #8: T8N R1W 2827, T7N R1W 3334, 2020

Monument Detail #9: T8N R1W 2827, T7N R1W 2020, RM2

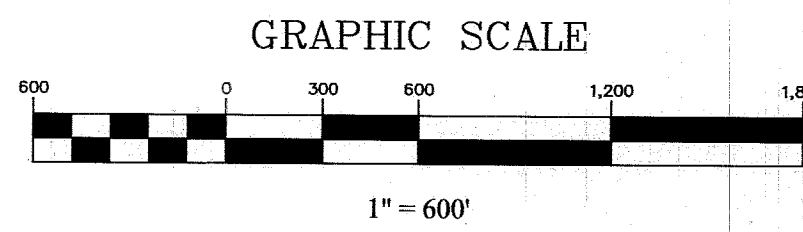
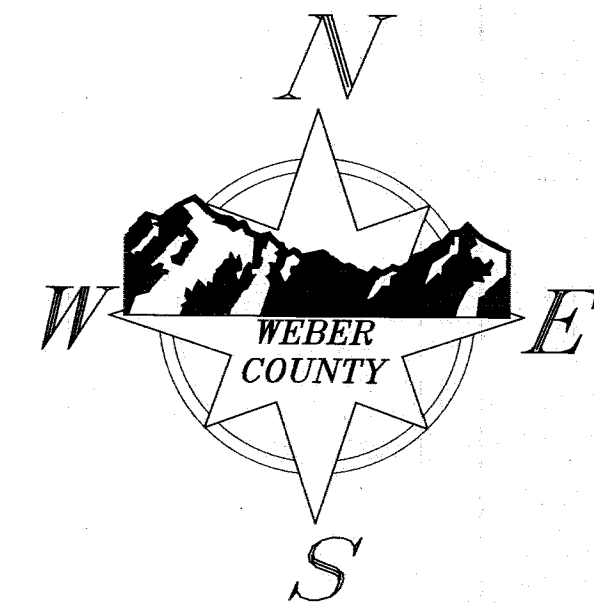
Monument Detail #10: T8N R1W 2122, T7N R1W 2827, 2020

Monument Detail #11: T8N R1W 2827, T7N R1W 2020, RM2

Monument Detail #12: T8N R1W 2122, T7N R1W 2827, 2020

Monument Detail #13: T8N R1W 2237, T7N R1W 2020, RM2

Monument Detail #14: T8N R1W 2726, T7N R1W 2020, RM2



**! IMPORTANT NOTE !**  
 BECAUSE OF THE EXTREME VARIATION IN ELEVATION THROUGHOUT THIS TOWNSHIP, THE MEASURED BEARINGS AND DISTANCES SHOWN ON THIS SURVEY HAVE BEEN SCALED TO GROUND FROM UTAH STATE PLANE GRID NORTH ZONE USING A SCALE FACTOR OF 1.000292377724560 WITH A FOCAL POINT AT (0,0).

**SURVEYOR'S NARRATIVE CONTINUED FROM PAGE 2:**

THERE IS SCARCE OCCUPATION THROUGHOUT THE TOWNSHIP MARKED POORLY BY A FEW SCATTERED OLD FENCES. THESE FENCES, WHEN FOUND, SEEMED TO CORRESPOND TO THE RE-SURVEYED SECTION LINES FOUND BY THIS SURVEY. ONE SUCH EXAMPLE IS SHOWN IN THE SOUTHEAST CORNER OF SECTION 26 ON PAGE 3.

THE LACK OF SECTION CORNERS WITHIN THE INTERIOR OF TOWNSHIP 8 NORTH, RANGE 1 WEST IS FRUSTRATING. OF THE 10 BLM SURVEYORS WHOSE WORK WAS SUMMARIZED ON PAGE 1, ONLY BENSON SURVEYED THE INTERIOR. A DILIGENT SEARCH WAS MADE FOR INTERIOR SECTION CORNERS THROUGHOUT TOWNSHIP 8 NORTH, RANGE 1 WEST, AT DOZENS OF SEPARATE LOCATIONS, BUT NONE COULD BE FOUND. MOST LOCATIONS WERE VISITED MULTIPLE TIMES AND WERE METHODOLOGICALLY SEARCHED THROUGHOUT DURING AN ENTIRE DAY. MOST LOCATIONS WERE ALSO VISITED BY A FULL CREW OF 2-5 PEOPLE DEPENDING ON LOCATION. THE BOX ELDER AND CACHE COUNTY SURVEYORS ALSO ACCOMPANIED THE WEBER COUNTY FIELD CREWS WHEN SEARCHING WITHIN THEIR APPROPRIATE JURISDICTIONS. THIS IS STRIKING WHEN CONTRASTED WITH THE FACT THAT THIS SURVEY RECOVERED NEARLY 80% OF THE RECORD MONUMENTS LYING ALONG THE TOWNSHIP LINES. IN ADDITION, NONE OF THE GREAT BASIN SURVEYS SHOWN HEREON REPORTED TO HAVE FOUND ANY OF THE ORIGINAL INTERIOR CORNERS EITHER.

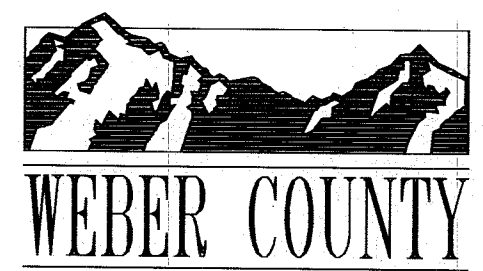
THIS TOWNSHIP IS MARKED BY EXTREMELY ROUGH, STEEP, AND RUGGED TERRAIN. IT IS HEAVILY FORESTED IN MOST AREAS AND SHOWS EVIDENCE OF ROCKSLIDES, FOREST FIRES, AND AVALANCHES. THE WEST BOUNDARY IS ESPECIALLY RUGGED. WHEN TROSKOLOWSKI AND STEWART EACH SURVEYED THIS AREA IN 1855 AND 1875 RESPECTIVELY, THEY CHOSE TO RUN AN OFFSET MERIDIAN OF THE TOWNSHIP LINE INSTEAD OF TRAVERSING IT DIRECTLY, PRESUMABLY BECAUSE OF THE EXTREME HAZARD. THIS IS ALSO THE SAME LINE THAT BENSON IN 1887 CLAIMS TO HAVE ACTUALLY RUN, STRAIGHT NORTH, AT EVEN 80.00 CHAIN INTERVALS, ACROSS A NUMBER OF SHEER VERTICAL ROCK CLIFFS THAT ALONG SOME SECTION LINES DROP HUNDREDS OF FEET, AND HE DID IT IN ONLY ONE DAY. NONE OF THIS TOPOGRAPHY IS DETAILED IN BENSON'S NOTES. LATER IN 1985, ZANINOVICH AT LEAST FINDS THE TWO TOWNSHIP CORNERS AT THE NORTHWEST AND SOUTHWEST OF TOWNSHIP 8 NORTH, RANGE 1 WEST, BUT HE EVEN SAYS, "...NO EVIDENCE OF THE INTERVENING CORNERS. WAS FOUND..." THEN CALCULATES THE POSITIONS FOR THE CORNERS BETWEEN SECTIONS 24 AND 19. THREE BLM SURVEYORS RECORD WORK THAT CONTRASTS WITH WORK DONE BY BENSON ALONG THIS SAME TOWNSHIP LINE. AMONG THE CORNERS THAT BENSON CLAIMS TO HAVE SET FOR THIS TOWNSHIP, ONLY THOSE ACTUALLY ON THE TOWNSHIP LINES WERE RECOVERED BY THIS SURVEY.

AN ANALYSIS OF THE MILES OF SURVEY LINE RUN BY BENSON IN 1887 AND THE MILES RUN BY THE OTHER 9 BLM SURVEYORS IS GIVEN BELOW:

COMPARISON OF WORK				
SURVEYOR	TIMEFRAME	MILES (APPROX)	MILES PER DAY (AVG.)	BLM FIELD NOTES
MARTINEAU	3 days	6 miles	2.0	VOL 164 PGS 84-92
KOEBER	4 days	8 miles	2.0	VOL 234 PGS 31-41
KOEBER	5 days	12 miles	2.4	VOL 234 PGS 55-70
SMITH	5 days	8 miles	1.6	VOL 66 PGS 27-43
ANDERSON	2 days	4 miles	2.0	VOL 333 PGS 285-287
ANDERSON	5 days	12 miles	2.4	VOL 333 PGS 297-306
BRECKON	4 days	16 miles	4	VOL 234 PGS 339-358
ZANINOVICH	23 days	10.5 miles	0.5	VOL R-610 PGS 1-13
CHAPPELL	102 days	45 miles	0.4	VOL 582 PGS 259-315
TROSKOLOWSKI	*BECAUSE THIS WORK WAS NOT DONE IN THE SAME TYPE OF RUGGED MOUNTAINOUS TERRAIN (IT WAS RUN AS AN OFFSET MERIDIAN ALONG THE VALLEY FLOOR OF T8N R2W) IT WAS NOT INCLUDED IN THIS PART OF THE ANALYSIS.			
STEWART				
BENSON	2 days	6 miles	3.0	VOL 219 PGS 463-470
BENSON	2 days	12 miles	6.0	VOL 220 PGS 185-202
BENSON	12 days	60 miles	5.0	VOL 220 PGS 205-259

BENSON'S NOTES FOR SUBDIVIDING TOWNSHIP 8 NORTH, RANGE 1 WEST ARE SIMILARLY LACKING IN DETAIL. HE TRAVERSES ACROSS EXTREME TOPOGRAPHY, WITHOUT SUFFICIENTLY DOCUMENTING SAID TOPOGRAPHY, AND AT NEARLY THREE TIMES THE AVERAGE SPEED OF THE OTHER 7 BLM SURVEYORS WHO DID WORK IN SIMILAR TERRAIN. CONSIDERING THE HIGH NUMBER OF MONUMENTS RECOVERED FROM THE OTHER 9 BLM SURVEYORS, AND THE LOW NUMBER OF MONUMENTS RECOVERED FROM BENSON'S WORK, AND CONSIDERING THE ABNORMALLY HIGH RATE AT WHICH BENSON COMPLETED HIS WORK, THERE EXISTS SOME DOUBT THAT THE 1887 SUBDIVISION LINES OF THIS TOWNSHIP BY BENSON WERE ACTUALLY RUN ON THE GROUND.

**DEPENDENT RE-SURVEY OF TOWNSHIP 8 NORTH, RANGE 1 WEST, SALT LAKE BASE & MERIDIAN**  
 OCTOBER 2020



2380 Washington Blvd, Suite 370  
 Ogden, Utah 84401  
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 FAX: (801) 399-8316

RECORD OF SURVEY NUMBER:	
FIELD WORK BY: WEBER COUNTY SURVEY CREW	
DRAWN BY: JEREMY MATHEWS	
CHECKED BY: BRETT BADLEY	
APPROVED BY: DEVRON ANDERSEN	
DATE OF DRAWING: 1/21/2021	
SHEET NUMBER: <b>3/3</b>	

RECEIVED  
 AUG 21 2021  
 BY: 6941