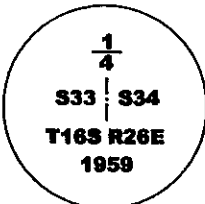
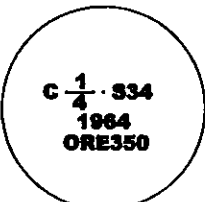
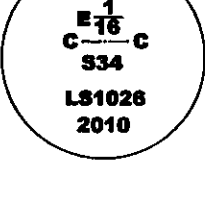
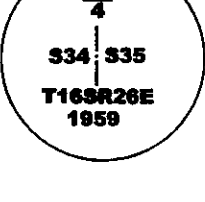
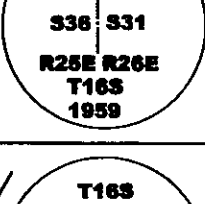
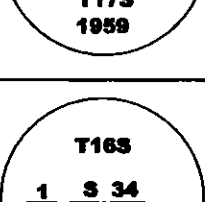
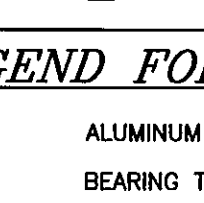


SURVEY OF OCHOCO NATIONAL FOREST BOUNDARY LINES IN THE SW 1/4 OF SECTION 14, IN THE NE 1/4 OF SECTION 19, IN THE NW 1/4 OF SECTION 20, IN THE SE 1/4 OF SECTION 27, IN THE E 1/2 OF SECTION 28, IN THE W 1/2 OF SECTION 31 AND IN THE NE 1/4 OF SECTION 34, TOWNSHIP 16 SOUTH, RANGE 26 EAST, W.M., GRANT COUNTY, OREGON W.O. 09-3921 WILLOW CADASTRAL SURVEY CON. NO. AG-04NO-D-09-0012

REGISTERED
PROFESSIONAL
LAND SURVEYOR

David B. Armstrong
9/30/10 OREGON
AUGUST 22, 1975
DAVID B. ARMSTRONG
1028
Renewed 12/31/11

CAP MARKINGS CORNER INDEX NO. MONUMENT ORIGIN	CORNER EVIDENCE FOUND CORNER MONUMENTATION	CORNER ACCESSORIES
X-13 BLM P 55 	MONUMENT: FOUND 2-1/2 INS. GALV. PIPE WITH 3-1/4 INS. DIAM. BRASS CAP 7 INS. ABOVE GROUND IN 1 FT. DIAM. STONE MOUND. MONUMENTATION: SET AP 3 FT. N W/SIGN 54-9 FACING CAP. LATITUDE: 44°08'25.23071" N LONGITUDE: 119°35'50.24774" W	BT'S FOUND: DOWN & ROTTEN FIR LOG (ORIG. SE BT) S12°E, 28.0 FT., FACE ROTTEN; 13 INS. WHITE FIR, STANDING DEAD, S72-1/2°W, 1.8 FT., V.S. -1/4 S33 BT. BT'S MARKED: 8 INS. WHITE FIR, N49°E, 17.4 FT., SCRIBED -X-@BH-1/4 S34 BT; 16 INS. WHITE FIR, S41-1/2°E, 9.4 FT., SCRIBED -1/4 S34X BT; 14 INS. X 20 INS. DOUBLE WHITE FIR, S29°W, 45.5 FT., SCRIBED -1/4 S33X BT; 3 INS. WILLOW, N59°W, 11.1 FT., SCRIBED -X-@BH-BT.
X-15 CS62 P 52 	MONUMENT: FOUND 2-1/2 INS. GALV. PIPE WITH 2-1/2 INS. DIAM. BRASS CAP 14 INS. ABOVE GRND. ON W SIDE OF ROCK JACK FENCE CORNER, FENCES N AND E. MONUMENTATION: SET AP 5 FT. N W/SIGNS 54-2 AND 54-9 FACING CAP. LATITUDE: 44°08'24.82653" N LONGITUDE: 119°35'13.55730" W	BT'S MARKED: 14 INS. WHITE FIR, N38°E, 52.5 FT., SCRIBED -C1/4 S34 BTX; 17 INS. WHITE FIR, S34-1/2°E, 5.4 FT., SCRIBED -C1/4 S34X BT; 4 INS. JUN., S68-1/2°W, 21.4 FT., SCRIBED -X-@BH-BT; 15 INS. X 16 INS. DOUBLE WHITE FIR, N17°W, 50.6 FT., SCRIBED -C1/4 S34 BT.
X-16 CS62 P 51 	MONUMENT: FOUND 2-1/2 INS. GALV. PIPE, BENT OVER, CAP MISSING, ON E SIDE OF ROCK JACK FENCE CORNER, FENCES N AND W. MONUMENTATION: SET 5/8 INS. X 30 INS. LONG IRON ROD 30 INS. IN GRND. WITH 3-1/4 INS. ALUM. CAP MARKED AS SHOWN AT POSITION WHERE PIPE WAS FOUND VERTICAL. RAISED 2 FT. DIAM. STONE MOUND TO CAP. SET AP 5 FT. N W/SIGNS 54-2 AND 54-9 FACING CAP. LATITUDE: 44°08'24.80731" N LONGITUDE: 119°34'55.17168" W	BT'S MARKED: 16 INS. WHITE FIR, N37-1/2°E, 24.0 FT., SCRIBED -CE1/16 S34 BT; 6 INS. WHITE FIR, S40-1/2°E, 32.1 FT., SCRIBED -X-@BH-BT.
X-17 BLM P 54 	MONUMENT: FOUND 2-1/2 INS. GALV. PIPE WITH 3-1/4 INS. DIAM. BRASS CAP 9 INS. ABOVE GRND., LEANING OVER TO NW IN CENTER 4 FT. DIAM. STONE MOUND. MONUMENTATION: RESET FOUND MONUMENT AT ORIG. POSITION OF BASE, CAP 9 INS. ABOVE GRND., RAISED 4 FT. DIAM. STONE MOUND TO CAP. SET AP 5 FT. N W/SIGN 54-9 FACING CAP. LATITUDE: 44°08'24.46235" N LONGITUDE: 119°34'36.70483" W	BT'S FOUND: 29 INS. POND. PINE, N47-1/2°E, 36.7 FT., NEARLY HEALED FACE, FRAGMENTARY SCRIBING VISIBLE; 33 INS. JUN., S16°W, 45.4 FT., V.S. -1/4 S34 BT.
Y-25/ Y-1 BLM P 63 	MONUMENT: FOUND 2-1/2 INS. GALV. PIPE WITH 3-1/4 INS. DIAM. BRASS CAP 2 INS. ABOVE GROUND IN 4 FT. DIAM. STONE MOUND. N-S WIRE FENCE LIES 12 FT. EAST OF MONUMENT. MONUMENTATION: SET AP 5 FT. N W/SIGNS 54-2 AND 54-9 FACING CAP. SET AP 5 FT. S W/SIGN 54-2. LATITUDE: 44°08'13.21551" N LONGITUDE: 119°39'25.58815" W	BT'S FOUND: 19 INS. POND. PINE, S42-1/2°E, 48.7 FT., HEALED FACE; 15 INS. POND. PINE, S73-1/2°W, 11.1 FT., HEALED FACE.
Z-25/ Z-1 BLM P 61 	MONUMENT: FOUND 2-1/2 INS. GALV. PIPE WITH 3-1/4 INS. DIAM. ALUM. CAP 2 INS. ABOVE GROUND IN 3 FT. DIAM. STONE MOUND. MONUMENTATION: SET AP 5 FT. N W/SIGNS 54-2 AND 54-9 FACING CAP. LATITUDE: 44°08'00.06156" N LONGITUDE: 119°39'25.74486" W	BT'S FOUND: 15 INS. POND. PINE, N34°E, 28.2 FT., HEALED FACE; 30 INS. POND. PINE, STANDING DEAD, S22-1/2°E, 39.8 FT. HEALED FACE; 11 INS. POND. PINE, S63°W, 7.3 FT., HEALED FACE; 15 INS. POND. PINE, N74-1/2°W, 22.3 FT., HEALED FACE.
Z-15 BLM P 53 	MONUMENT: FOUND 2-1/2 INS. GALV. PIPE WITH 3-1/4 INS. DIAM. BRASS CAP 12 INS. ABOVE GRND., IN 4 FT. DIAM. STONE MOUND. MONUMENTATION: REBUILT 4 FT. DIAM. STONE MOUND TO CAP. SET AP 5 FT. N W/SIGN 54-9 FACING CAP. LATITUDE: 44°07'58.38540" N LONGITUDE: 119°35'14.03990" W	BT'S FOUND: 9 INS. JUN., N11°E, 22.2 FT., HEALED FACE; 10 INS. JUN., S75-1/2°E, 21.2 FT., V.S.-S3 BT. .

LEGEND FOR CORNER SUMMARY TABLE

ALUM.	ALUMINUM	CS	COUNTY SURVEY
BT	BEARING TREE	BH	BREAST HEIGHT
MF	MICROFILM	INS.	INCHES
FT.	FEET	W/	WITH
DIAM.	DIAMETER	JUN.	JUNIPER
N	NORTH	POND.	PONDEROSA
E	EAST	V.S.	VISIBLE SCRIBING
S	SOUTH	P	FIELD BOOK 1 PAGE (NOTED)
W	WEST	X-@BH-BT	SCRIBED "X" AT BREAST HEIGHT ABOVE GROUND ON UPPER BLAZE AND "BT" ON BASE BLAZE
AP	ALUMINUM POST - 6 FEET LONG		
54-2	NATIONAL FOREST PROPERTY BOUNDARY SIGN		
54-9	LAND SURVEY MONUMENT SIGN		
SP	STEEL POST - 6 FEET LONG		
OCRR	OREGON CORNER RESTORATION RECORD		

MONUMENTATION NOTE

BEARING TREES HAVE A BRASS WASHER NAILED TO THE LOWER PORTION OF THE SCRIBED FACE STAMPED "ASE LS1026". BEARING TREES HAVE A "LAND SURVEY MONUMENT" SIGN 54-9 NAILED TO BACK OF BEARING TREE AND A "BEARING TREE" SIGN 54-3 NAILED TO FACE OF BEARING TREE ABOVE THE SCRIBED FACE FACING THE CORNER. A 6" WIDE RED BAND IS PAINTED AROUND THE BEARING TREE 5 TO 6 FEET ABOVE THE GROUND AND THE BLAZED SCRIBED FACE IS PAINTED RED. DISTANCES TO BEARING TREES ARE MEASURED TO CENTER SIDE OF BEARING TREE MARKED BY A MAGNETIC NAIL ABOUT 1 FOOT ABOVE GROUND ON THE RIGHT SIDE FACING THE TREE. BEARINGS ARE MEASURED BY STAFF COMPASS USING MAGNETIC DECLINATION/VARIATION OF 18' EAST TO CENTER OF BEARING TREE. THE MAGNETIC DECLINATION WAS DETERMINED BY DIRECT MEASUREMENT ON GPS LINES IN SECTION 28. WE SET A 6 FOOT LONG STEEL OR ALUMINUM POST WITH "LAND SURVEY MONUMENT" SIGN 54-9 FACING CORNER AS NOTED, IF A "PROPERTY BOUNDARY" SIGN 54-2 WAS ALSO PLACED ON THAT POST IT WILL FACE THE PRIVATE LAND ADJACENT TO THE NATIONAL FOREST SYSTEM LANDS. MONUMENT CAPS SET BY THE BLM IN THEIR SURVEY HAVE ADDITIONAL STANDARD MARKINGS OF "U. S. CADASTRAL SURVEY BUREAU OF LAND MANAGEMENT PENALTY \$250 FOR REMOVAL" STAMPED IN THE CAP IN ADDITION TO THE CORNER SPECIFIC MARKINGS SHOWN.

BASIS OF BEARINGS

BEARINGS ARE BASED ON GPS SURVEY MEASUREMENTS USING THE WGS 84 ELLIPSOID AND A TRANSVERSE MERCATOR MAPPING PROJECTION WITH THE FOLLOWING PARAMETERS:
ORIGIN OF LATITUDE: 44°10'44.17564" NORTH ORIGIN OF LONGITUDE: 119°38'38.24619" WEST
SCALE FACTOR: 1.000000000
THIS SYSTEM IS A LOCAL SYSTEM FROM CONTROL COMPUTED BY NGS OPUS SOLUTIONS.

PROJECT LOCATION

PROJECT LOCATED ON THE PAULINA RANGER DISTRICT OF THE OCHOCO NATIONAL FOREST NEAR SUNFLOWER CREEK APPROXIMATELY 65 MILES EAST OF PRINEVILLE, OREGON.

PROJECT NARRATIVE

THIS SURVEY ENTAILED THE RETRACEMENT AND SUBDIVISION OF SIX SECTIONS AND LINE POSTING IN SECTIONS 14, 19, 20, 27, 28, 31 AND 34, TOWNSHIP 16 SOUTH, RANGE 26 EAST OF THE WILLAMETTE MERIDIAN TO RETRACE CORNERS AND LINES AND MARK AND POST SELECTED BOUNDARIES OF THE OCHOCO NATIONAL FOREST.

PROJECT PROCEDURES

WE PERFORMED A STATIC GPS SURVEY AROUND THE PROJECT AREA BRACKETING THE SITE. THESE CONTROL POINTS WERE SUBMITTED TO NGS FOR OPUS SOLUTION IN NAD 83 (CORS 96). THE LATITUDE AND LONGITUDE OF THE NGS OPUS SOLUTIONS WERE CONVERTED BY TRIMBLE GEOMATICS SOFTWARE TO GRID COORDINATES IN WGS 84 USING THE MAPPING PARAMETERS SHOWN HEREON. WE THEN CALIBRATED OUR TRIMBLE 5700 GPS SYSTEM ON THESE POINTS IN RTK MODE AND SURVEY TIED THE PREVIOUSLY MONUMENTED CORNERS OF THE SECTIONS CONTROLLING OUR WORK DIRECTLY BY GPS OR BY CONVENTIONAL CONTROL TRAVERSE USING CONTROL POINTS ESTABLISHED USING THE GPS. WE THEN EVALUATED THE EXISTING WORK RELATIVE TO THE POSITIONS THAT WOULD HAVE BEEN MONUMENTED HAD THE SECTION SUBDIVISION BEEN COMPLETED IN ACCORDANCE WITH THE BUREAU OF LAND MANAGEMENT MANUAL OF INSTRUCTIONS. AFTER CORNER DETERMINATION WE USED OUR GPS EQUIPMENT IN RTK MODE TO POST THE BOUNDARY LINES DEPICTED ON THIS PLAT. SURVEY PROCEDURES FOLLOWED THE "STANDARDS AND GUIDELINES FOR CADASTRAL SURVEYS USING GLOBAL POSITIONING SYSTEM METHODS, VERSION 1.0. MARCH 31, 2001 AS ADOPTED BY THE USDOI BUREAU OF LAND MANAGEMENT AND USDA FOREST SERVICE". BEARINGS ARE BASED ON GPS "NORTH" FOR THE PROJECT USING THE NGS OPUS SOLUTION SHOWN FOR POINT NUMBER 1 LOCATED NEAR THE CORNER N-3, 1/4 S18/S19.

HISTORY OF SURVEYS

THE WEST RANGE LINE OF TOWNSHIP 16 SOUTH, RANGE 26 EAST WAS SURVEYED BY JASPER WILKINS, DEPUTY SURVEYOR, UNDER GENERAL LAND OFFICE CONTRACT NO. 189 DATED JUNE 6, 1873. THE SOUTH TOWNSHIP BOUNDARY AND SUBDIVISIONAL LINES OF TOWNSHIP 16 SOUTH, RANGE 26 EAST WERE SURVEYED BY ALONZO GESNER, DEPUTY SURVEYOR, UNDER GENERAL LAND OFFICE CONTRACT NO. 206 DATED JULY 10, 1874. THE SOUTH AND WEST BOUNDARIES AND THE MAJORITY OF THE SUBDIVISIONAL LINES OF TOWNSHIP 16 SOUTH, RANGE 26 EAST WERE RESURVEYED BY C. ALBERT WHITE, BLM CADASTRAL SURVEYOR, UNDER GROUP NO. 359 FOR OREGON APPROVED OCTOBER 18, 1957, COMMENCED OCTOBER 1, 1959 AND COMPLETED AUGUST 31, 1960 AND ACCEPTED MAY 1, 1962. SECTIONS 14, 19 AND 20 WERE SUBDIVIDED BY L. C. STRATTON, PE4563, IN GRANT COUNTY SURVEY NO. 67 IN 1962. SECTIONS 27, 28 AND 34 WERE SUBDIVIDED BY MARCELLUS A. PALMER, LS350, IN COUNTY SURVEY NO. 62 IN 1964. SECTION 14 WAS RETRACED AS A PORTION OF A SURVEY BY ROBERT D. BAGETT, LS598, IN COUNTY SURVEY 948 IN 1986.

SURVEY NARRATIVE

THIS PROJECT WAS INITIATED WITH THE EXPECTATION THAT LARGE BLUNDERS MAY HAVE OCCURRED IN THE WORK PERFORMED IN C.S. 67 BY L. C. STRATTON, PE4563 IN 1962 AND C.S. 62 IN 1964 BY M. A. PALMER, LS530. THIS WAS DUE TO SUBSEQUENT SURVEY RETRACEMENT OF SOME OTHER LINES OF THESE SURVEYS IN C.S. 948 BY ROBERT D. BAGETT, LS598, IN 1986 AND IN C.S. 1833 BY RON C. WALTER, LS2648, IN 2007. THESE SURVEYS WERE PERFORMED NEARLY 50 YEARS AGO PRESUMABLY USING TRANSIT AND CHAIN TO SET THE CORNERS AND BOTH WERE PERFORMED FOR THE OCHOCO NATIONAL FOREST. EXAMINATION OF THE PLATS INDICATES THAT THEY WERE BASED UPON THE SURVEY PERFORMED FOR THE OCHOCO NATIONAL FOREST BY THE BUREAU OF LAND MANAGEMENT CADASTRAL SURVEYORS UNDER GROUP NO. 359 OREGON DATED OCTOBER 18, 1957, PERFORMED DURING OCTOBER 1, 1959 THROUGH AUGUST 31, 1960 AND ACCEPTED MAY 1, 1962. AS AN APPROVED OFFICIAL AND ACCEPTED SURVEY IT BINDS THE FEDERAL GOVERNMENT AS TO THE CORNERS AND LINES ESTABLISHED BY THE SURVEY BUT MAY NOT BIND THE PRIVATE LANDS AFFECTED BY THE SURVEY. THERE WAS OBVIOUSLY EXTENSIVE ORIGINAL CORNER LOSS OF THE ORIGINAL GESNER GENERAL LAND OFFICE SURVEY CORNERS AND THE RESURVEY PROPORTIONED MANY OF ONE-QUARTER AND SECTION CORNERS IN THE PROJECT AREA. THE BLM SURVEY DID NOT SUBDIVIDE THE SECTIONS BUT DID ESTABLISH MANY OF THE ONE-SIXTEEN CORNERS ON THE EXTERIOR SECTION LINES IN ADDITION THE ONE-QUARTER AND SECTION CORNERS. THESE CORNERS WOULD CONTROL SUBSEQUENT SUBDIVISION OF THE SECTION INTO ALIQUOT PARTS AS DESCRIBED BY PATENTS AND DEEDS.

RESEARCH REVEALED THAT THE NEXT SURVEY ACTIVITY IN SECTIONS 14, 19, AND 20 OF THIS TOWNSHIP INVOLVED IN THIS WILLOW PROJECT WAS PERFORMED BY L. C. STRATTON, PE4563, FOR THE OCHOCO NATIONAL FOREST WITH A SURVEY MAP DATED AUG., 1962 RECORDED AS C.S. 67 IN THE GRANT COUNTY RECORDS. THIS SURVEY WAS PERFORMED TO SUBDIVIDE THE SECTIONS INVOLVED AND ESTABLISH THE INTERIOR CORNERS AT THE TIME NECESSARY TO DELINEATE THE U.S. FOREST SERVICE OWNERSHIP. THIS MAP IS NOT VERY INFORMATIVE AS TO THE PERFORMANCE OF THE SURVEY AND HOW IT WAS CONDUCTED WITH ONLY A LEGEND NOTATION THAT CORNERS WERE ESTABLISHED AT THE DENOTED LOCATIONS. THERE IS NO DESCRIPTION OF MONUMENTS SET, ACCESSORIES TAKEN AND NO NARRATIVE OF HOW THE SURVEY WAS PERFORMED AND THE PROCEDURES AND EQUIPMENT USED. EXAMINATION AND COMPARISON OF C.S. 67 WITH THE BLM DEPENDENT SURVEY SHOWS IDENTICAL DIMENSIONS FOR THE EXTERIOR LINES OF THE SECTIONS WITH THE INTERIOR LINES CONSISTENT WITH A CALCULATED SUBDIVISION OF SECTION USING THE BLM RECORD DIMENSIONS. THERE IS NO INDICATION OF WHICH LINES WERE ACTUALLY SURVEYED AND THERE ARE NO NARRATIVE FIELD NOTES SUCH AS THOSE CONTAINED IN THE BLM DEPENDENT SURVEY. RETRACEMENT IN THE FIELD RECOVERED IRON PIPES WITH BRASS CAP, MANY BADLY LEANING OVER AND NEARLY OUT OF THE GROUND, WITH THE POSITION DETERMINABLE WITHIN A MATTER OF 0.2 FOOT ASSUMING THEY WERE ORIGINALLY SET PLUMB. THERE WERE NO CORNER ACCESSORIES EXCEPT STONE MOUNDS AROUND THE PIPES. THIS POOR CONDITION OF THE PHYSICAL MONUMENTS WAS ALSO OBSERVED AT MANY OF THE CORNERS ESTABLISHED BY THE BLM ON THE SECTION EXTERIORS. APPARENTLY SHALLOW SOIL LIMITED THE ORIGINAL MONUMENTATION AND SUBSEQUENT FROST ACTION HAS REDUCED THE STONE MOUNDS TO A RING AND NEARLY EJECTED THE PIPES FROM THE GROUND. RESEARCH ALSO REVEALED THAT SECTIONS 27, 28 AND 34 OF THIS CONTRACT WERE SURVEYED BY M. A. PALMER, LS350, AS PART OF HIS WORK COMPLETED AND FILED AS C.S. 62 OF GRANT COUNTY PERFORMED IN 1964; THE SURVEY WAS PERFORMED FOR THE OCHOCO NATIONAL FOREST. THIS SURVEY IS ALSO LACKING A NARRATIVE AND IN THESE SECTIONS ONLY SHOWS BY LEGEND THAT CERTAIN CORNERS WERE MONUMENTED WITH NO MONUMENT DESCRIPTIONS, ACCESSORIES TAKEN AND NO NARRATIVE OF HOW THE SURVEY WAS PERFORMED. AGAIN, JUST AS IN C.S. 67, THE EXTERIOR LINES OF THE SECTIONS ARE SHOWN WITH THE IDENTICAL DIMENSIONS AS REPORTED BY THE BLM. THE INTERIOR LINES ARE SHOWN WITH DIMENSION ONLY ON THE NORTH-SOUTH LINES OF SECTIONS 27 AND 28. SECTION 34 DOES SHOW A BEARING AND A DISTANCE FOR THE SOUTH LINE OF THE W1/2 NE1/4. IT IS UNCLEAR WHETHER THE SECTIONS WERE PROPERLY RE-SURVEYED TO SUBDIVIDE THE SECTION OR WHETHER PROTRACTOR WAS USED TO DETERMINE THE BREAKDOWN ACCORDING TO THE BLM SURVEY AND THEN THE FIELD SURVEY WAS PERFORMED TO LOCATE THE MONUMENTS USING THE EXTERIOR RECORD. TO EVALUATE THESE SURVEYS THE CONTROLLING CORNERS AROUND THE EXTERIORS OF THE SECTIONS AS WELL AS THE INTERIOR CORNERS ESTABLISHED BY C.S. 62 AND C.S. 67 WERE TIED BY SURVEY. REVIEW OF THE MEASURED POSITIONS OF THE CORNER MONUMENTS RELATIVE TO THE CALCULATED POSITIONS FOR SECTIONS 14, 19, 20, 27 AND 28 REVEALED THE MONUMENTED CORNERS WERE FROM LESS THAN ONE FOOT UP TO ABOUT 5 FEET FROM THE CALCULATED POSITION USING THE SURVEY TIED EXTERIOR CORNER LOCATIONS. GENERALLY ABOUT 1 TO 2 FEET OF DIFFERENCE WOULD BE EXPECTED FOR A SURVEY OF THIS AGE, ABOUT 45-50 YEARS OLD, CONDUCTED WITH TRANSIT AND STEEL TAPE IN MOUNTAINOUS FORESTED TERRAIN. SOME OF THE WORK IS THEREFORE NOT VERY ACCURATELY DONE BUT THERE DO NOT APPEAR TO BE ANY GROSS BLUNDERS FOUND IN THOSE SECTIONS. THE WORK IN SECTION 34 HOWEVER WAS NOT AS GOOD AS THE TWO INTERIOR CORNERS SURVEYED ABOUT 15 FEET FROM THE CALCULATED POSITION. THIS MAGNITUDE OF ERROR IS UNEXPECTED FOR THAT AGE OF SURVEY AND COULD INDICATE A BLUNDER IN THE WORK.

AFTER CONSULTATION WITH THE FOREST SURVEYOR, WILLIAM HAM, PLS, AND THE REGIONAL SURVEYOR, WILLIAM DRUMMOND, PLS, AND ADDITIONAL CONSULTATION WITH BLM CADASTRAL SURVEYOR KYLE E. HENSLEY, PLS, I DETERMINED TO HOLD ALL OF THE CORNERS FOUND AS REPRESENTING THE CORNERS THEY WERE INTENDED TO REPRESENT. THE CORNERS WERE THEREFORE ACCEPTED AND PERPETUATED AS FOUND. THIS DECISION WAS BASED UPON THE HISTORY OF THE AREA, THE RELIANCE UPON THE BLM SURVEY BY ALL RESURVEYS, THE RELIANCE UPON THE LINES AND CORNERS BY THE LANDOWNERS INCLUDING THE FOREST SERVICE AND THE LENGTH OF TIME THE SURVEYS HAD BEEN IN PLACE. EVEN THOUGH THE FOREST SERVICE AND FEDERAL GOVERNMENT IS NOT BOUND BY STATE COURT DECISIONS THEY HAVE SHOWN AN ACCEPTANCE OF THE IDEAS AND LEGAL ARGUMENTS OF CASES SUCH AS "OREGON COURT OF APPEALS DYKES VS ARNOLD, 2006". THIS CASE ARGUED THE LOCATION OF POORLY POSITIONED BUT LONG STANDING INTERIOR SECTION SUBDIVISION MONUMENTS RELATIVE TO CALCULATED POSITIONS USING MODERN SURVEY TECHNIQUES AND FOUND THE PUBLIC GOOD WAS BEST SERVED BY HOLDING THE LONG ACCEPTED MONUMENTS AS THE TRUE CORNERS; MY SUMMARY, THE PRIVATE LANDOWNERS AND FOREST SERVICE HAVE LOGGED, MANAGED AND MARKED AND FENCED USING THESE LINES AND CORNERS FOR THE LAST 46 TO 48 YEARS AND I FEEL THE COURTS WOULD REQUIRE THEM TO CONTINUE THIS ACCEPTANCE; THAT WAS THE REASONING USED TO JUSTIFY MY DECISION AND ACTION. A DISCUSSION OF THE INDIVIDUAL SECTIONS FOLLOWS.

SECTION 14

THIS SECTION WAS SUBDIVIDED BY L.C. STRATTON IN C.S. 67 IN 1962. ROBERT D. BAGETT, LS 598, RETRACED THE SUBJECT LINES IN C.S. 948 IN 1986. THIS RETRACEMENT REVEALED THAT BOTH THE C1/4 AND CS1/16 CORNERS WERE ABOUT 5 FEET OUT OF POSITION RELATIVE TO CALCULATED THEORETICAL LOCATION INSTEAD OF THE CS1/16 BEING OUT 13 FEET AS INDICATED BY BAGETT. THE STRATTON MONUMENT LOCATIONS WERE HELD, PERPETUATED AND USED FOR LINE POSTING.

SECTION 19

THIS SECTION WAS SUBDIVIDED BY L.C. STRATTON IN C.S. 67 IN 1962. THE INTERIOR CORNERS WERE FOUND AND HELD. THE C1/4 CORNER WAS OUT ABOUT 4 FEET. AND THE CE1/16 CORNER WAS OUT ABOUT 2 FEET. THE STRATTON MONUMENT LOCATIONS WERE HELD, PERPETUATED AND USED FOR LINE POSTING.

SECTION 20

THIS SECTION WAS SUBDIVIDED BY L.C. STRATTON IN C.S. 67 IN 1962. THE C1/4 CORNER WAS OUT ABOUT 4 FEET AND THE CN1/16 CORNER WAS OUT ABOUT 3 FEET. THE STRATTON MONUMENT LOCATIONS WERE HELD, PERPETUATED AND USED FOR LINE POSTING.

SECTION 27

THIS SECTION WAS SUBDIVIDED BY M. A. PALMER IN C.S. 62 IN 1964. THE C1/4 CORNER WAS WITHIN 1 FOOT AND THE CS1/16 WITHIN 0.2 FEET OF THE CALCULATED POSITION. THESE POSITIONS WERE WELL WITHIN THE ACCURACY EXPECTED OF THIS TYPE OF WORK AND THE PALMER MONUMENT LOCATIONS WERE HELD, PERPETUATED AND USED FOR LINE POSTING.

SECTION 28

THIS SECTION WAS SUBDIVIDED BY M. A. PALMER IN C.S. 62 IN 1964. THE C1/4 AND CS1/16 CORNERS WERE ABOUT 3 FEET OUT OF POSITION AND THE CN1/16 ABOUT 1 FOOT OUT OF THE CALCULATED POSITION. THE PALMER MONUMENT POSITIONS WERE HELD, PERPETUATED AND USED FOR LINE POSTING.

SECTION 31

THE WEST LINE OF THIS SECTION WAS SURVEYED AND THE BLM CADASTRAL SURVEY MONUMENTS WERE RECOVERED, MAINTAINED AND HELD FOR LINE POSTING.

SECTION 34

THIS SECTION WAS SUBDIVIDED BY M. A. PALMER IN C.S. 62 IN 1964. THE C1/4 AND CE1/16 CORNERS WERE BOTH ABOUT 15 FEET OUT OF POSITION AND BOTH WERE WEST OF THEIR CALCULATED POSITION. THE RECORD AREA OF THE PRIVATE LANDS WAS NOT MATERIALLY AFFECTED BECAUSE OF THE SWING IN POSITION. THE PALMER PLAT HAS A PROBABLE DRAFTING ERROR FOR THE NORTH-SOUTH CENTERLINE, THE PLAT SHOWS "N1°01'W" WHEN IT SHOULD BE "N1°01'E" BY CALCULATION. THIS WAS CONFIRMED BY PALMER'S CORRECT RETURN FOR THE EAST LINE OF THE W1/2 E1/2 ON THE PLAT.

ARMSTRONG
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established 1977

SHEET 7 OF 7
DRG. NO. 10-3921.DWG
W.O. 09-3921

GRANT COUNTY SURVEY 1899