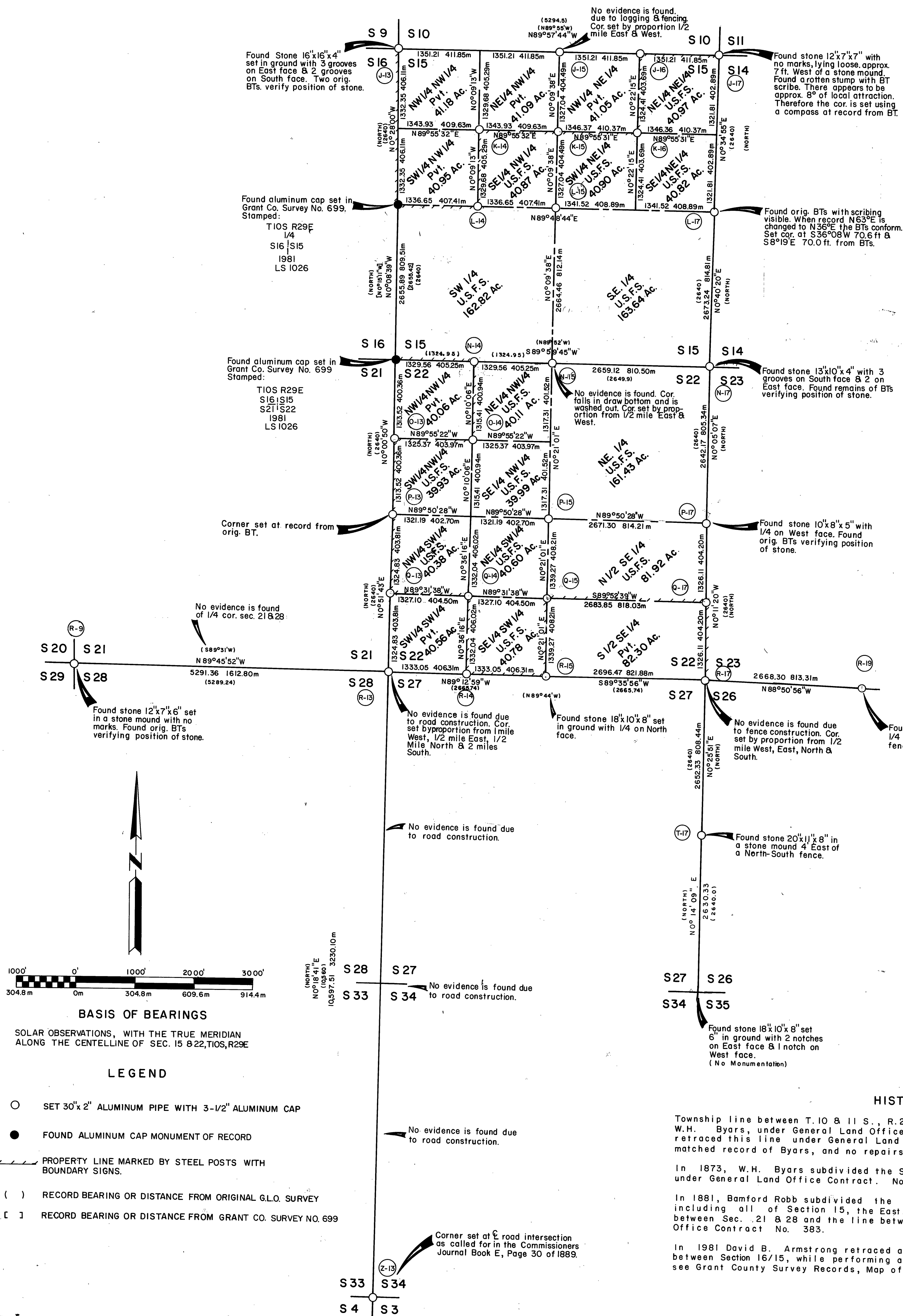




This survey is performed under contract for the Malheur National Forest, the purpose of which is the monumentation and marking of the Forest boundaries and controlling corners thereof. In order to accomplish this a retracement of the exterior lines of sections 15 & 22 is made and the corners determined to be lost are re-established as shown on the map. Extensive obliteration of controlling corners is found along the lines between sections 28/27 & 33/34, due to road construction. A search of the Grant County Commissioners Journals reveals that most of the roads in Fox Valley were run on and through section lines and corners, or along subdivisional lines of the sections, in particular, Book E, Page 130, as recorded in 1889, states that the Corner to Sections 33, 34, 38, 4, T.10&11 S., R.29 E., is the intersection point of the roads which were constructed at that time, running South & West from the corner. A study of the area shows the Sec. cor 1 mile West, as located from topography calls and the corner as found 1 mile East gives a good conformity to this location. This intersecting point also fits the fencing to the north as they intersect the line from the East & West. Therefore that said road intersection as adjusted to give the best overall conformity to existing roads and fences in the area is accepted as that said Sec. Cor. position and used to proportion the SW Cor. of Section 22, as shown. The establishment of the lost corners and subdivision of the sections is then carried out in a routine manner as shown on the map.

It should be noted that this map is a portion of a larger overall project, performed under the below shown Contract No., in so doing the entire project was computed using a single local grid. In order to provide a good proximity to true bearings, the bearings on this map are rotated -0°03'54" from North project grid Azimuth, thus placing true meridian as shown on this map through the Center Line of Sections 15 & 22. (convergency = 0°00' 52" per mile)

NARRATIVE

Pertinent provisions of the Bureau of Land Management, "Manual of Surveying Instructions", of 1973 are followed in the performance of this survey, in particular, Chapter Four, Five & Six.

Positional control for this survey is provided by a closed traverse network. LIETZ SDM 3-E Total Station Electronic Distance Measuring Equipment & HP-86B Computer System, with Lewis & Lewis soft ware are used to obtain the measurements and perform the computations. Field notes and computations are on file in the office of Ferguson Surveying & Engineering, Mt. Vernon, Oregon.

I, Douglas M. Ferguson, Registered Professional Land Surveyor in the State of Oregon, hereby certify that this plat, notes and records hereon or attached are a correct representation of the survey I performed during Nov. & Dec. 1983 and Oct. & Nov. 1984, for the U.S. Forest Service, in accordance with the statutes of the State of Oregon and the articles of my contract. No. 53-04411-3-9418N

Douglas M. Ferguson, Or. PLS 848

MONUMENTATION

See standard U.S.F.S. "INDEX" number, in circle, on the map. Monuments are stamped as shown below. Nailed Bearing Tree signs above blaze, warning signs on back & brass washers stamped "PLS 848" on blaze, above BT scribe, on each tree. Set steel posts with warning & boundary signs, on line, 5 ft. each way from property corners, or a single post with warning sign within 5 ft. of controlling corners.

See "Certified Record of Land Corner Monumentation" forms as on file in the Grant County Surveyors office, for complete history, description of evidence found, monument set and accessories established at all corners set.

(All distances are in feet)

J-13	TIOS R29E S 9 S10 S16 S15 1984 PLS 848	A Fir A Fir A Fir	12" dia. bears N59°W 29.0, Scribed TIOS R29E S 9 BT 6" dia. bears N16°E 28.0, Scribed TIOS R29E S10 BT 20" dia. bears S44°E 11.4, Scribed TIOS R29E S15 BT	P-15	TIOS R29E I/4 S22 1984 PLS 848	A Pine 9" dia. bears S32°W 36.8 Scribed C1/4 S22 BT A Pine 10" dia. bears S70°E 55.3 Scribed C1/4 S22 BT
J-15	TIOS R29E S10 S15 1984 PLS848	A Fir A Fir	12" dia. bears S7°W 68.0, Scribed I/4 S15 BT 12" dia. bears N33°E 61.4, Scribed I/4 S10 BT	P-17	TIOS R29E I/4 S22 S23 1984 PLS 848	Rescribed original bearing tree: A Juniper 16" dia. bears N52°W 25.1 Scribed I/4 S22 BT New bearing tree: A Juniper 6" dia. bears S23°E 18.8 Scribed I/4 S22 BT
J-16	TIOS R29E S10 S15 1984 PLS 848	A Juniper A Pine	7" dia. bears S10°W 34.0, Scribed E1/6 S15 BT 12" dia. bears N26°W 45.7, Scribed E1/6 S10 BT	Q-13	TIOS R29E S1/6 S21 S22 1984 PLS 848	A Juniper 14" dia. bears S34°25'W 22.8 Scribed S1/6 S21 BT A Juniper 11" dia. bears S29°45'E 87.2 Scribed S1/6 S22 BT
J-17	TIOS R29E S10 S11 S15 S14 1984 PLS 848	A Fir A Fir A Fir	14" dia. bears N56°W 9.8 Scribed TIOS R29E S10 BT 7" dia. bears N34°E 51.2 Scribed TIOS R29E S11 BT 9" dia. bears S9°E 28.3 Scribed TIOS R29E S14 BT	Q-14	TIOS R29E SW1/6 S22 1984 PLS 848	A Juniper 12" dia. bears N55°32'E 54.5 Scribed SW1/6 S22 BT A Juniper 7" dia. bears N69°44'W 105.7 Scribed SW1/6 S22 BT
K-14	TIOS R29E NW 1/6 S15 1984 PLS 848	A Fir A Fir	16" dia. bears S84°W 4.0 Scribed NW 1/6 S15 BT 13" dia. bears S10°E 5.2 Scribed NW 1/6 S15 BT	Q-15	TIOS R29E S1/6 S21 S22 1984 PLS 848	A Juniper 12" dia. bears N76°W 30.7 Scribed CS1/6 S22 BT A Juniper 6" dia. bears N86°E 33.5 Scribed CS1/6 S22 BT
K-15	TIOS R29E N1/6 S15 1984 PLS 848	A Fir A Juniper	14" dia. bears N68°W 34.1 Scribed CN 1/6 S15 BT 4" dia. bears S55°E 27.0 Scribed CN 1/6 S15 BT	Q-17	TIOS R29E S1/6 S22 S23 1984 PLS 848	A Pine 10" dia. bears N81°E 52.6 Scribed S1/6 S23 BT A Pine 10" dia. bears N70°E 40.7 Scribed S1/6 S22 BT
K-16	TIOS R29E NE 1/6 S15 1984 PLS 848	A Fir A Fir	8" dia. bears S8°W 6.2 Scribed NE 1/6 S15 BT 7" dia. bears S76°E 3.8 Scribed NE 1/6 S15 BT	R-9	TIOS R29E S20 S21 S26 S27 1984 PLS 848	A Juniper 6" dia. bears N74°W 51.8 Scribed S 20 BT A Juniper 7" dia. bears N57°E 48.3 Scribed TIOS R29E S21 BT A Pine 13" dia. bears S14°E 42.7 Scribed TIOS R29E S28 BT A Juniper 7" dia. bears S9°W 28.5 Scribed TIOS R29E S29 BT
L-14	TIOS R29E W1/6 - C S15 1984 PLS 848	A Fir A Fir	6" dia. bears N23°E 7.6 Scribed CW1/6 S15 BT 6" dia. bears S73°E 16.7 Scribed CW1/6 S15 BT	R-13	TIOS R29E S21 S22 S26 S27 1984 PLS 848	Set a 5/8"x30" iron pin with plastic cap stamped PLS 848 & steel post with Bdry, Attn. & BT sign. N18°E 9.8. A Juniper 8" dia. bears N70°1'E 56.5 Scribed TIOS R29E S22 BT A Juniper 10" dia. bears S33°45'E 90.7 Scribed TIOS R29E S27 BT A Juniper 12" dia. bears S3°08'W 51.0 Scribed TIOS R29E S28 BT
L-15	TIOS R29E C 1/4 S15 1984 PLS 848	A Pine A Pine	7" dia. bears S15°E 16.1 Scribed C1/4 S15 BT 13" dia. bears N85°W 16.4 Scribed C1/4 S15 BT	R-14	TIOS R29E W1/6 S22 S27 1984 PLS 848	Set 5/8"x30" iron pins with plastic cap stamped PLS 848 & steel guard posts with Bdry, Warning & BT signs North 10.7 & East 7.1.
L-17	TIOS R29E S15 S14 1984 PLS 848	A Pine A Pine	11" dia. bears N43°E 23.7 Scribed I/4 S14 BT 11" dia. bears N45°W 10.6 Scribed I/4 S15 BT	R-15	TIOS R29E I/4 S22 S27 1984 PLS 848	Set 5/8"x30" iron pins with plastic cap stamped PLS 848 & steel guard posts with Bdry, Attn. & BT signs N5°E 5.2 & West 5.1
N-14	TIOS R29E W1/6 S15 S22 1984 PLS 848	A Pine A Pine	16" dia. bears N39°24'W 210.9 Scribed W1/6 S15 BT 12" dia. bears S45°09'W 142.8 Scribed W1/6 S22 BT	R-17	TIOS R29E S22 S23 S27 S28 1984 PLS 848	A Juniper 7" dia. bears N23°W 24.6 Scribed TIOS R29E S22 BT A Juniper 32" dia. bears N56°E 45.3 Scribed TIOS R29E S23 BT A Juniper 12" dia. bears S15°E 26.2 Scribed TIOS R29E S26 BT A Juniper 6" dia. bears S44°W 14.4 Scribed TIOS R29E S27 BT
N-15	TIOS R29E I/4 S15 S22 1984 PLS 848	A Juniper A Juniper	13" dia. bears S86°W 18.9 Scribed I/4 S22 BT 12" dia. bears N13°W 32.5 Scribed I/4 S15 BT	R-19	TIOS R29E I/4 S23 S26 1984 PLS 848	A Pine 26" dia. bears N79°E 56.1 Scribed I/4 S23 BT A Juniper 14" dia. bears S72°W 22.4 Scribed I/4 S26 BT
N-17	TIOS R29E S15 S14 S22 S23 1984 PLS 848	A Fir A Fir A Fir	7" dia. bears N2°W 7.0 Scribed TIOS R29E S15 BT 9" dia. bears N56°E 12.3 Scribed TIOS R29E S14 BT 10" dia. bears S72°E 11.5 Scribed TIOS R29E S23 BT	T-17	TIOS R29E I/4 S27 S28 1984 PLS 848	A Juniper 7" dia. bears N34°E 52.9 Scribed I/4 S26 BT A Juniper 14" dia. bears S63°W 78.2 Scribed I/4 S27 BT
O-13	TIOS R29E N1/6 S21 S22 1984 PLS 848	A Juniper A Pine	9" dia. bears N6°W 21.9 Scribed NW 1/6 S21 BT 8" dia. bears N52°E 62.6 Scribed NW 1/6 S22 BT	Z-13	TIOS R29E RM S33 S34 S4 S3 1984 PLS 848	Set 5/8"x30" iron pin at corner position in roadway from which: Set standard monument on Section Line S89°49'E 37.0 stamped as shown with B.T. & Attn. signs as follows: 1984 N33°36'W 40.7, N66°45'E 40.7, S69°19'E 42.5 & S49°17'W 51.6.
O-14	TIOS R29E NW 1/6 S22 1984 PLS 848	A Pine A Pine	14" dia. bears S74°W 7.6 Scribed NW 1/6 S22 BT 10" dia. bears S27°E 15.7 Scribed NW 1/6 S22 BT			
P-13	TIOS R29E I/4 S21 S22 1984 PLS 848	A Pine A Juniper	12" dia. bears N26°W 15.1 Scribed I/4 S21 BT 10" dia. bears N20°E 43.6 Scribed I/4 S22 BT			

HISTORY

Township line between T.10 & 11 S., R.29 E., originally surveyed in 1873, by W.H. Byars, under General Land Office Contract No. 197. In 1881, Rufus Morre retraced this line under General Land Office Contract No. 382. This retracement matched record of Byars, and no repairs or alterations were made.

In 1873, W.H. Byars subdivided the South tier and Section 27, T.10 S., R.29 E., under General Land Office Contract. No. 197.

In 1881, Bamford Robb subdivided the center portion of T.10 S., R.29 E., including all of Section 15, the East, West and North lines of Sec. 22, the line between Sec. 21 & 28 and the line between Sec. 23 & 26, all under General Land Office Contract No. 383.

In 1981 David B. Armstrong retraced and remonumented the South 1/2 of the line between Section 16/15, while performing a survey for the Malheur National Forest, see Grant County Survey Records, Map of Survey No. 699.

RECEIVED AND
FILED

JUL 22 1985

GRANT COUNTY SURVEYOR

Attest: Carol Lutz, C. L.

REGISTERED
PROFESSIONAL
LAND SURVEYOR
Map of Survey
OREGON
DOUGLAS M. FERGUSON
848

FERGUSON SURVEYING & ENGINEERING
MT VERNON, OR.
Map of Survey
THE RETRACEMENT & SUBDIVISION OF SECTIONS 15 & 22
T.10 S., R.29 E., W.M.
GRANT CO. OREGON
FOR: Malheur National Forest BY: Douglas M. Ferguson
DATE: 1983-1984 DRAWN BY: D. Brinton SCALE: 1" = 1000'