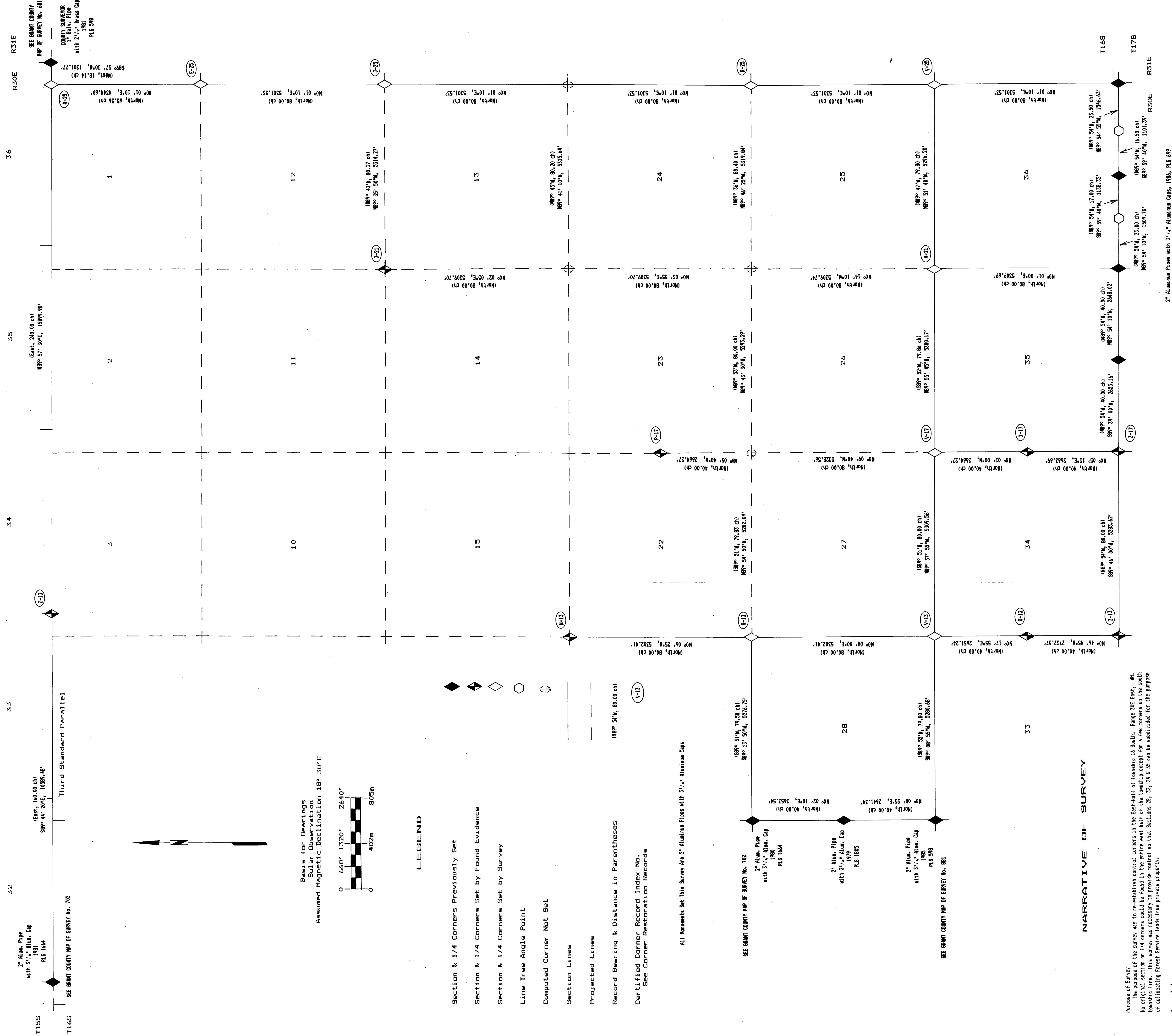


MAP OF SURVEY

EAST-HALF TOWNSHIP 16 SOUTH, RANGE 30 EAST, WM



2" Aluminum Pipes with 3/4" Aluminum Caps, 1986, PLS 899

NARRATIVE OF SURVEY

Purpose of Survey
The purpose of the survey was to re-establish control corners in the East-Half of Township 16 South, Range 30 East, WM. The original section or 1/4 corners could not be located and the survey was run to provide control for a few corners on the south side of the township. The survey was run to provide control for a few corners on the south side of the township. The survey was run to provide control for a few corners on the south side of the township.

Survey History
The South and East lines of T16S, R30E, were surveyed by Barford Robb, US Deputy Surveyor, under Joint Contract No. 357 dated July 2, 1880, and the Township was subdivided by S.M. Leeland, US Deputy Surveyor, under the same joint contract. The Third Standard Parallel South on the north side of the township was surveyed by J.M. Leeland, US Deputy Surveyor, under the same joint contract. The survey was run to provide control for a few corners on the south side of the township. The survey was run to provide control for a few corners on the south side of the township.

Survey Method
The survey method used was a random closed traverse that included all the found and monumented corners. A solar observation was taken to establish a basis for bearings. Horizontal angles were measured to the right and double checked. The distance was measured from both ends of the line and averaged if the difference was less than 0.10 foot, otherwise, the distance was checked to determine the cause of the discrepancy.

Equipment Used
The instrument used was an OMMI Total Station with a built-in data collector. Data was transferred to a TMS-80 Model 100 computer with a PLOTTER disk drive which reduced the data, balanced the traverse, if within the survey standards specified in the contract and Oregon state law, and executed all computations. Traverse data and computations were printed out on an Epson MX 100 printer. The data and all point coordinates have been saved on disk or cassette tape. A staff compass and 7/2 steel tape were used to determine the distance and bearing to most of the 816.

Survey Evaluation
Nearly all the original corners were wood posts with earth mounds and gits with no bearing trees in the East-Half of this township. Only occasionally can any evidence of this type of corner be found in the Bear Valley area with over 100 years being the primary reason. Squirrels and badgers have dug a lot of holes and made a lot of mounds in the sagebrush areas which make it very difficult to recognize an original mound and gits. The sagbrush create mounds by the way it grows and by trapping wind blown soil. About one-third of the corners fall in hay fields and meadows that are being or have been farmed. A control survey was used to search for corners due to the lack of reference points on the ground. No corner was found. The survey was run to provide control for a few corners on the south side of the township. The survey was run to provide control for a few corners on the south side of the township.

Conclusion
The survey was run to provide control for a few corners on the south side of the township. The survey was run to provide control for a few corners on the south side of the township. The survey was run to provide control for a few corners on the south side of the township. The survey was run to provide control for a few corners on the south side of the township.

PROOF OF RECORDING
The following CERTIFIED RECORDS OF LAND CORNER MONUMENTATION in T16S, R30E, and T16S, R30E, WM, were received from Leland Lee Myers, PLS 899 on June 12, 1986, to be entered into the official county surveyor records.

Corner Index Nos.	No. of Corners Monumented
T16S, R30E: Z-13	1
T16S, R30E: A-25, E-25, J-21, J-25, N-13, P-17, R-13, R-25, X-13, X-15, X-17, Z-13 & Z-17	16
Total Corners Submitted With This Map	17

I hereby certify that the CERTIFIED RECORDS OF LAND CORNER MONUMENTATION listed above have been filed in the Office of the Grant County Surveyor this 20 day of June, 1986.

Grant County Surveyor

CERTIFICATION

I, Leland Lee Myers, a Professional Land Surveyor registered in the State of Oregon, office located at 587 E. Auburn St., P.O. Box 98, Sumpter, OR 97877, do hereby certify that I did perform this survey March 23 to June 5, 1986, as a contractor at the request of the USDA-Forest Service by Rail Cadastral Survey Contract No. 53-OAH-5-0125N and that the information shown hereon is correct to the best of my knowledge.

RECEIVED
LAND SURVEYOR
JUN 20 1986
OFFICE OF COUNTY SURVEYOR
GRANT COUNTY, OREGON
LELAND LEE MYERS

RECEIVED AND FILED
JUN 20 1986
OFFICE OF COUNTY SURVEYOR
GRANT COUNTY, OREGON
LELAND LEE MYERS