

A PORTION OF "AUSTIN CADASTRAL"
DETERMINATION OF FOREST BOUNDARY
IN SECTION 11, T.10S., R.32E., W.M.

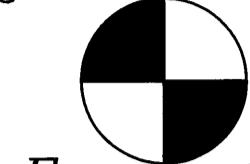
Survey by: Susan E. Newsletter, PLS 2405
D. Mitchell Ferguson, Surv. Tech.
Rick Saul, Surv. Tech.

Reviewed by: Douglas M. Ferguson, PLS 848

Drawn by: Kenneth M. Delano Jr., L.S.I.T. 1273

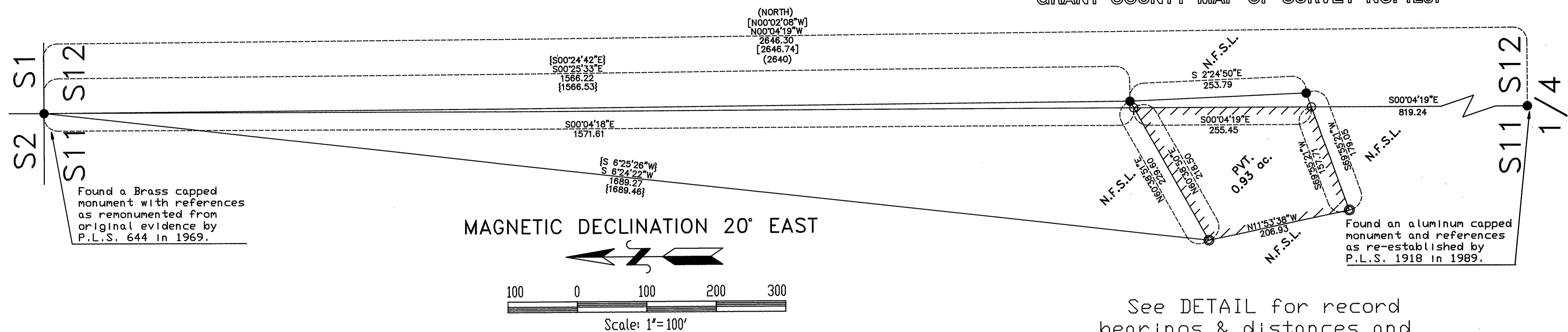
For: U.S.D.A. Forest Service
Malheur National Forest.

Ferguson Surveying



Engineering

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PHONE (503) 932-4520
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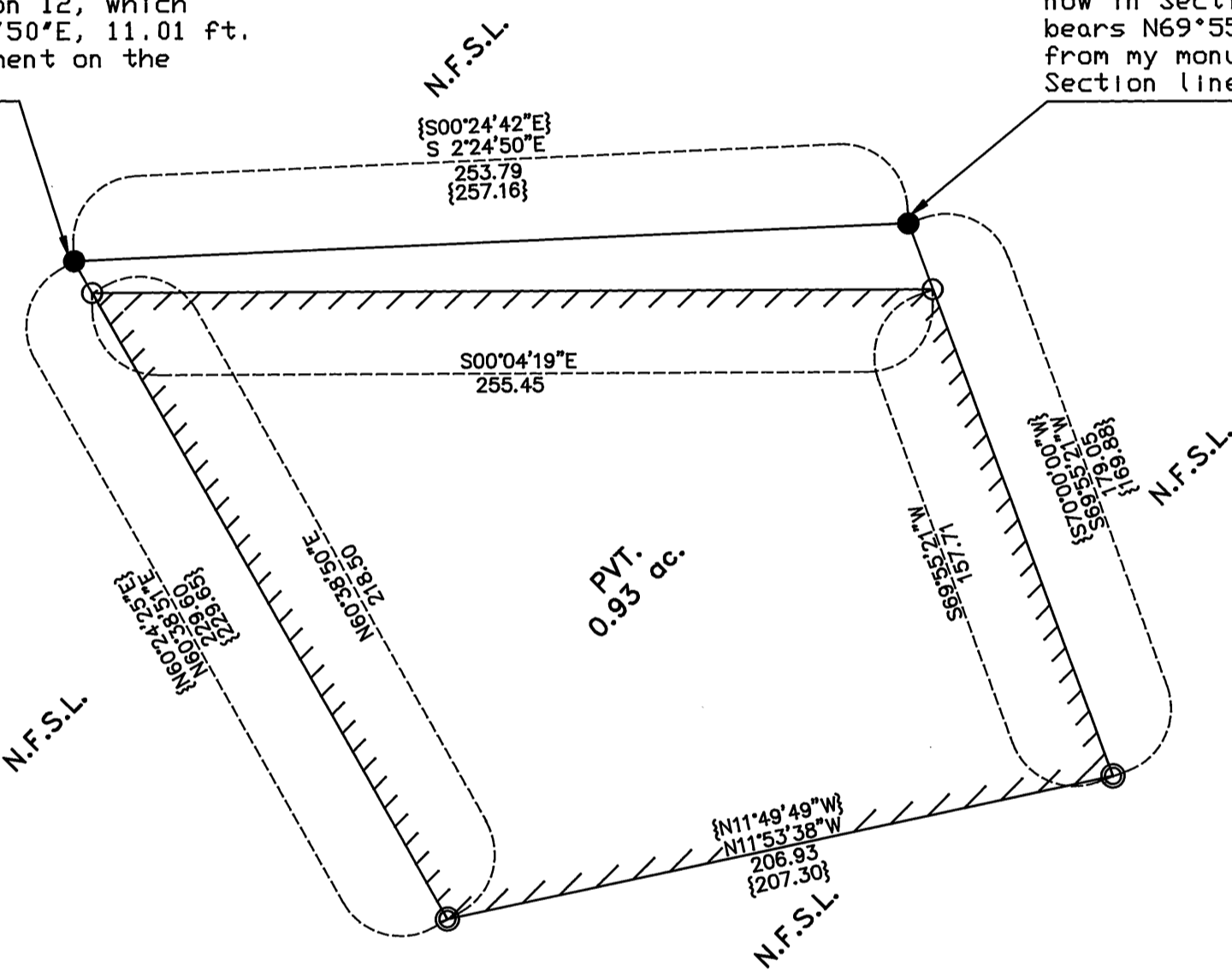


See DETAIL for record bearings & distances and corner notes.

DETAIL
SCALE 1"=50'

Found 5/8" iron pin, now in Section 12, which bears N60°38'50"E, 11.01 ft. from my monument on the Section line.

Found 5/8" iron pin, now in Section 12, which bears N69°55'21"E, 21.34 ft. from my monument on the Section line.



HISTORY

- 1881 - Bamford Robb and Herman D. Graddon subdivided T.10S., R.32E., W.M., under GLO Contract No. 383.
- 1969 - Duane I. Griffith, PLS 644, surveyed a parcel of land in Section 11, T.10S., R.32E., W.M., and remonumented the northeast section corner of Section 11. See Grant County Map of Survey No. 157 and Grant County Corner Restoration Files.
- 1989 - Tyler B. Parsons, PLS 1918, remonumented the 1/4 section corner S11|S12 based on single proportionate measure. See Grant County Map of Survey No. 1107 and Grant County Corner Restoration Files.

LEGEND

- Set 2-1/2" x 30" aluminum pipe with 3-1/4" aluminum, stamped as shown in the "Monumentation" Section
- Remonumented found 5/8" iron pins originally established by PLS 644. Set 2-1/2" x 30" aluminum pipe with 3-1/4" aluminum cap, stamped as shown in the "Monumentation" Section
- Found monument of record, as described in the "History" and notes at each corner.
- Record bearing and distance as returned by Bamford Robb and Herman D. Graddon, in 1881, under G.L.D. Contract No. 383.
- Record bearing and distance as returned by Duane I. Griffith, PLS 644, in 1969. Grant County Map of Survey No. 157.
- Record bearing and distance as returned by Tyler B. Parsons, PLS 1918, in 1989. Grant County Map of Survey No. 1107.

N.F.S.L. National Forest System Lands

PVT. Private Land

N.F.S.L. Marked Forest boundary with steel fence posts and Forest boundary signs at maximum intervals of 250 feet.

NARRATIVE

This survey was performed under contract for the Malheur National Forest for the purpose of marking and posting the Forest boundary in Section 11, T.10S., R.32E., W.M.

In order to perform this survey the control traverse was run through all of the controlling corners. I recovered all of the 5/8" rebar pins (with no caps) set in 1969, by Duane I. Griffith, PLS 644, during the course of his original survey around this subject parcel of land.

I accepted the location of Mr. Griffith's 5/8" rebar pins set for the northwest and southwest corners of this parcel. I remonumented these said pins as noted on this map of survey and placed Mr. Griffith's rebar's inside of my monuments.

However, I encountered a problem with the 5/8" rebar's set on the east side of this parcel. On Mr. Griffith's map of survey he has the following statement: "Approximate section line only, based on blazed trees".

Since Mr. Griffith's 1969 survey several things have happened. In 1984, Robert Baggett, PLS 598, remonumented the southeast section corner of Section 11 from original evidence and earlier perpetuation of this section corner. In 1989, Tyler B. Parsons, PLS 1918, re-established 1/4 section corner S11|S12 by single proportionate measure after a thorough search for the original corner. Nor was I able to recover any original evidence at 1/4 section corner S11|S12 during the course of this survey and I accepted Mr. Parsons' position for this said 1/4 section corner. So since 1969 to the present, the location of the east line of Section 11 has now been located based on re-survey, rather than an approximate section line based on blazed trees.

The Warranty Deed filed in Grant County Book of Deeds No. 104, Page 401, recorded on October 21, 1970, describes this subject parcel of land as follows:

"A parcel of land in the SE1/4 of the NE1/4 Section 11, Township 10 South, Range 32 E., W.M. as shown on map of survey #157 filed in the office of the Grant County Surveyor, more particularly described as follows:

Beginning at a 5/8" x 30" iron pin, from which the NE corner of said Section 11 bears N 6 deg. 25' 26"E, 1689.46 feet;
thence N 60 deg. 42' 25"E, 229.65 feet more or less to the East boundary of said Section 11;
thence S 0 deg. 24' 42"E, 257.16 feet along said East boundary;
thence S 70 deg. 00' 00"W, 169.88 feet more or less to the SW corner of this parcel as shown on map of survey #157;
thence N 11 deg. 49' 49"W, 207.30 feet, to the point of beginning;
Said parcel containing 0.99 acres."

Now that the east section line of Section 11 has been defined, I find the monuments established by Mr. Griffith on the "approximate section line" are now in fact located in Section 12 as noted on this map of survey. In addition I suspect there may have been a blunder in the original setting of the southeast corner of this parcel, as I find the location of the iron pin to be reasonable in the terms of bearing from the southwest corner of this parcel, however the distance to be longer by 9.17 feet from Mr. Griffith's record.

After considering many different scenarios for placing the northeast and southeast corners of this parcel onto the east boundary of Section 11 as described in the legal description, I choose to monument the intersection point on the section line, utilizing the bearings I return between Mr. Griffith's found rebar's and the bearing I find the north half of the east line of Section 11 to be. I believe this is the most equitable solution and protects the intention of the legal description in the above referenced Warranty Deed. Ties to Mr. Griffith's 5/8" iron pins on the east side of this parcel, located in Section 12, are shown on this map of survey.

The Monumentation section on this Map of Survey and the notes shown on the Map should be considered a substantial part of this Narrative as they contain detailed information as to the evaluation of evidence and monumentation work performed.

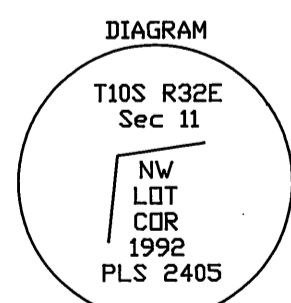
Positional control for this survey is provided by a closed traverse network. A Lietz SDM3E semi-total station was used to obtain measurements and field set monuments from the survey control. An Zeos Notebook computer (IBM compatible 386) utilizing Wildsoft software was used to perform the computations and the Map was prepared utilizing AutoCad r.12. The basis of bearing was determined by solar observation to determine a true meridian through the center of the project. Field notes and computations are on file in the office of Ferguson Surveying and Engineering, Mt. Vernon, Oregon 97865.

I, Susan E. Newsletter, Registered Professional Land Surveyor, in the State of Oregon, hereby certify that this Map, notes and records hereon or reference, are a correct representation of the survey I performed during the months of June-October 1992 for the U.S. Forest Service in accordance with the Statutes of the State of Oregon and the articles of my Contract Number 53-04KK-2-02803.

Susan E. Newsletter
SUSAN E. NEWSLETTER, PLS 2405
Staff Surveyor
Ferguson Surveying and Engineering

History of original corner establishment:

In 1969, Duane I. Griffith, PLS 644, set a 5/8" x 30" iron pin as the northwest corner of a parcel of land located in T.10S., R.32E., Section 11. See Grant County Map of Survey No. 157.



Description of Corner Evidence Found:

Found a 5/8" rebar, with no cap, as set by Duane I. Griffith, PLS 644.

Description of monument and accessories I established to perpetuate the original location of this corner:

Set 2-1/2"x30" aluminum pipe with 3-1/4" aluminum cap, stamped as shown on the DIAGRAM. Set monument flush with the ground and placed the found rebar inside my monument.

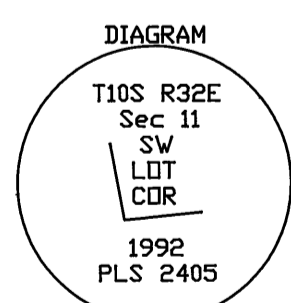
As references set a 5/8" x 30" rebar with yellow plastic cap marked PLS 2405, 28' in the ground, which bear as follows:

N23°30'W, 38.2 ft.
S29°45'W, 50.4 ft.

Measurements to rebar's taken with a magnetic compass, declination 20° East, and a nylon clad steel tape. Set steel fence post with Land Survey Monument (S4-9) and Property Boundary (S4-2) signs 5' easterly and southerly of the monument on boundary lines.

History of original corner establishment:

In 1969, Duane I. Griffith, PLS 644, set a 5/8" x 30" iron pin as the southwest corner of a parcel of land located in T.10S., R.32E., Section 11. See Grant County Map of Survey No. 157.



Description of Corner Evidence Found:

Found a 5/8" rebar, with no cap, as set by Duane I. Griffith, PLS 644.

Description of monument and accessories I established to perpetuate the original location of this corner:

Set 2-1/2"x30" aluminum pipe with 3-1/4" aluminum cap, stamped as shown on the DIAGRAM, 25' in the ground. Placed the found rebar inside my monument.

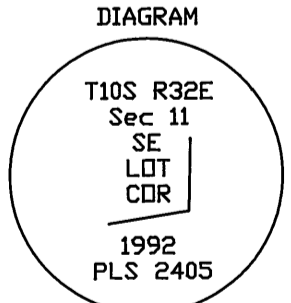
As references set a 5/8" x 30" rebar with yellow plastic cap marked PLS 2405, 28' in the ground, which bear as follows:

S02°15'W, 19.5 ft.
S81°30'E, 25.9 ft.

Measurements to rebar's taken with a magnetic compass, declination 20° East, and a nylon clad steel tape. Set steel fence post with Land Survey Monument (S4-9) and Property Boundary (S4-2) signs 5' easterly and northerly of the monument on boundary lines.

History of original corner establishment:

In 1969, Duane I. Griffith, PLS 644, set a 5/8" x 30" iron pin as the southeast corner of a parcel of land located in T.10S., R.32E., Section 11. See Grant County Map of Survey No. 157.



Description of Corner Evidence Found:

Found a 5/8" rebar, with no cap, as set by Duane I. Griffith, PLS 644.

As noted on PLS 644's map of survey, he placed his monument on the approx. section line. I found his monument to be off of the section line and in addition there may have been a blunder when monumenting it's position (in terms of distance) as noted on my map of survey. I monumented the position of the southeast lot corner on the section line, utilizing a bearing/bearing intersection based on the recovered monuments. PLS 644's rebar bears N69°55'21"E, 21.34 feet from my monumented position.

Description of monument and accessories I established to perpetuate the original location of this corner:

Set 2-1/2"x30" aluminum pipe with 3-1/4" aluminum cap, stamped as shown on the DIAGRAM, 26' in the ground.

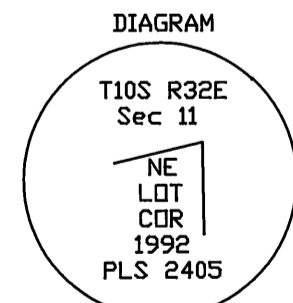
As references set a 5/8" x 30" rebar with yellow plastic cap marked PLS 2405, 28' in the ground, which bear as follows:

S66°45'E, 30.7 ft.
S89°00'E, 77.2 ft.

Measurements to rebar's taken with a magnetic compass, declination 20° East, and a nylon clad steel tape. Set steel fence post with Land Survey Monument (S4-9) and Property Boundary (S4-2) signs 5' westerly and northerly of the monument on boundary lines.

History of original corner establishment:

In 1969, Duane I. Griffith, PLS 644, set a 5/8" x 30" iron pin as the northeast corner of a parcel of land located in T.10S., R.32E., Section 11. See Grant County Map of Survey No. 157.



Description of Corner Evidence Found:

Found a 5/8" rebar, with no cap, as set by Duane I. Griffith, PLS 644.

As noted on PLS 644's map of survey, he placed his monument on the approx. section line. I found his monument to be off of the section line. I monumented the position of the northeast lot corner on the section line, utilizing a bearing/bearing intersection based on the recovered monuments. PLS 644's rebar bears N60°38'51"E, 11.01 feet from my monumented position.

Description of monument and accessories I established to perpetuate the original location of this corner:

Set 2-1/2"x30" aluminum pipe with 3-1/4" aluminum cap, stamped as shown on the DIAGRAM, 12' in the ground. Raised a mound of stone 2' high x 3' dia. around the monument.

As references set a 5/8" x 30" rebar with yellow plastic cap marked PLS 2405, 28' in the ground, which bear as follows:

N64°15'E, 27.3 ft.
N87°15'E, 28.6 ft.

Measurements to rebar's taken with a magnetic compass, declination 20° East, and a nylon clad steel tape. Set steel fence post with Land Survey Monument (S4-9) and Property Boundary (S4-2) signs 5' westerly and southerly of the monument on boundary lines.

RECEIVED AND
FILED

NOV 30, 1992

OFFICE OF COUNTY SURVEYOR

Robert D. Sargent

ATTEST: J. R. II

REGISTERED
PROFESSIONAL
LAND SURVEYOR
Susan E. Newsletter
OREGON
JULY 26, 1989
SUSAN E. NEWSLETTER
2405

EXPIRES: 12/31/92

EXAMINED AND ACCEPTED FOR THE U.S. FOREST SERVICE
THIS 27th DAY OF October 1992

SIGNATURE *D. E. Delano*
C.O.R.

I CERTIFY THAT THIS SURVEY WAS PERFORMED AT THE
REQUEST OF THE MALHEUR NATIONAL FOREST
SIGNATURE *M. A. P. Poch* DATE 10/27/92
FOREST SUPERVISOR