

Reference Monument Set

SCALE IN METERS

Record Measurement (William L. Hanley, 1979)

SCALE IN FEET

SCALE: 1 INCH = 100 FEET

1 METER = 3.28084 FEET

Corner Monumentation
of the
NW 1/16 Corner, Section 1
T. 9 S., R. 35 E., Willamette Meridian
for
Wallowa — Whitman National Forest
Located in
Grant County, Oregon
October, 2003

NARRATIVE:

The purpose of this survey was to monument and reference the NW1/16 corner of section 1, T. 9 S., R 35 E., Willamette Meridian.

HISTORY:

1884, Herman D. Gradon, U.S. Deputy Surveyor, subdivided the township under General Land Office Contract No. 499.

1979, William L. Hanley, Registered Land Surveyor No. 1639, established the position of the NW 1/16 corner of section 1 and set two reference monuments, while subdividing the section for the U.S. Forest Service (Grant County Map of Survey No. 575).

1998, Douglas M. Ferguson, Registered Land Surveyor No. 848, found the reference monuments for this corner while surveying a portion of the Grant County right—of—way of road number 46 (Grant County Map of Survey No. 1463).

PROCEDURES:

The survey was conducted using three Trimble 4700 GPS (Global Positioning System) dual frequency receivers and a Topcon GPT-6005C Total Station.

The Trimble 4700 GPS receivers provided network and local control for the monumentation of the corner. National Geodetic Survey's OPUS (Online Positioning User Service) system was used to determine the geodetic positions of existing right—of—way monuments at Stations 149+50 30.00RT and 157+00 30.00RT. The Base Stations used by OPUS were CORS (Continuously Operating Reference Station) stations REDMOND CORS ARP, GOLDENDALE CORS ARP, and BURNS JUNCTION CORS ARP. The GPS sessions were conducted using static techniques and the measurements were processed using Trimble's Geomatics Office Software (version 1.62).

All GPS measurements were made in accordance with "Standards and Guidelines For Cadastral Surveys Using Global Positioning Methods" dated May 9, 2001, version 1.0 by U.S. Department of Agriculture, Forest Service and U.S. Department of Interior, Bureau of Land Management.

The Topcon GPT-6005C Total Station was used to establish the NW 1/16 corner using the existing reference monuments and to establish new references for the corner.

The field notes for this survey are on file at the Supervisor's Office of the Umatilla National Forest located at Pendleton, Oregon.

DATUM: NAD83(CORS96) (EPOCH:2002.0000)
STATE PLANE COORDINATES: Oregon North Zone in International feet

 No.
 Latitude
 Longitude
 Northing(y)
 Easting(x)

 149+50 30.00RT
 44*49'03.38232" North 118*26'57.01409" West 157+00 30.00RT
 44*48'58.03580" North 118*26'49.81799" West 125825.855 I.feet 8734725.578 I.feet 8734430.008 I.feet 44*49'02.62809" North 118*26'53.75602" West 126283.544 I.feet 8734430.008 I.feet

NW 1/16 Corner of Section 1, T. 9 S., R. 35 E.

Set, at the intersection of Hanley's record distances, a 2 1/2" by 30" aluminum pipe, with 3 1/4" aluminum cap, 23" in the ground surrounded by a ring of stones, with a White SURV—KAP magnetic reference set in the bottom of the hole, marked as shown, from which:

RM (NOW DESTROYED), was a 2 1/2" galvanized iron pipe with 2 1/2" brass cap projecting 9" out of the ground, bears N 89°33'12" E, 32.57 feet (Hanley's record S 89°34'05" E 32.57 Feet), stamped "RM T9S R35E NW1/16 S1 32.57' 1979 ORLS 1639" with arrow pointing toward the corner. NOTE: I tied to this reference monument prior to its destruction during stream side restoration.
RM, 2 1/2" galvanized iron pipe with 2 1/2" brass cap projecting 4" out of the ground,

RM, 2 1/2" galvanized iron pipe with 2 1/2" brass cap projecting 4" out of the ground, bears S 1*43'52" W, 19.73 feet (Hanley's record S 1*50'30" W 19.73 Feet), stamped "RM T9S R35E NW1/16 S1 19.75' 1979 ORLS 1639" with arrow pointing toward the corner.

New References:

RM, set 5/8" by 36" rebar with 2" aluminum cap flush with the ground, bears S 84°16'37" E, 28.16 feet stamped "RM NW1/16 28.16 FT RLS 2308 2003" with arrow pointing toward the corner. NOTE: Set 6 foot U Channel post 3.0 feet North of the RM with "National Forest Property Boundary" sign on north side of post and "Land Survey Monument" sign on south side of post facing the RM.

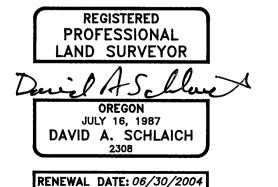
STATION 157+00 30.00RT, 5/8" rebar with 1 1/2" aluminum cap projecting 1" out of the ground, bears S 31°24'04" E, 545.00 feet, stamped "GCRW 157+00 30.00 RT".

STATION 153+00 40.00LT, 5/8" rebar with 1 1/2" aluminum cap projecting 5" out of the ground, bears S 24°17'44" E, 140.36 feet, stamped "GCRW 153+00 40.00 LT".

STATION 149+50 30.00RT, 5/8" rebar with 1 1/2" aluminum cap projecting 3" out of the ground, bears N 71°58'43" W, 247.00 feet, stamped "GCRW 149+50 30.00 RT".

I, David A. Schlaich, a Registered Land Surveyor in the state of Oregon, hereby certify that this plat and the notes hereon are a true and correct representation of a survey I conducted in October of 2003, at the request of the Wallowa — Whitman National Forest, in accordance with the statutes of the state of Oregon and the Bureau of Land Management's 1973 Manual of Surveying Instructions.

DAVID A. SCHLAICH —— RLS 2308 UMATILLA NATIONAL FOREST 2517 S.W. HAILEY AVENUE PENDLETON, OREGON 97801 PHONE: (541) 278—3716



PECEIVED AND
FILED

PEC.23.2003

DEC.23.2003

Sheet 1 of 1

t9s R35e

NW 1/16

S1

RLS 2308