RECORD OF SURVEY

Clarkia Ranger Station

A Portion of the Northwest 1/4 of Section 6,
Township 42 North, Range 2 East, Boise Meridian,
Shoshone County, Idaho

Property Boundary Proposed Sale

Easement included with Proposed Sale

Right of Way Reserved to US with Sale

Mean magnetic declination
14 1/2° East

BASIS OF BEARING

All lines of this survey are mean geodetic bearings that reference the True Meridian.

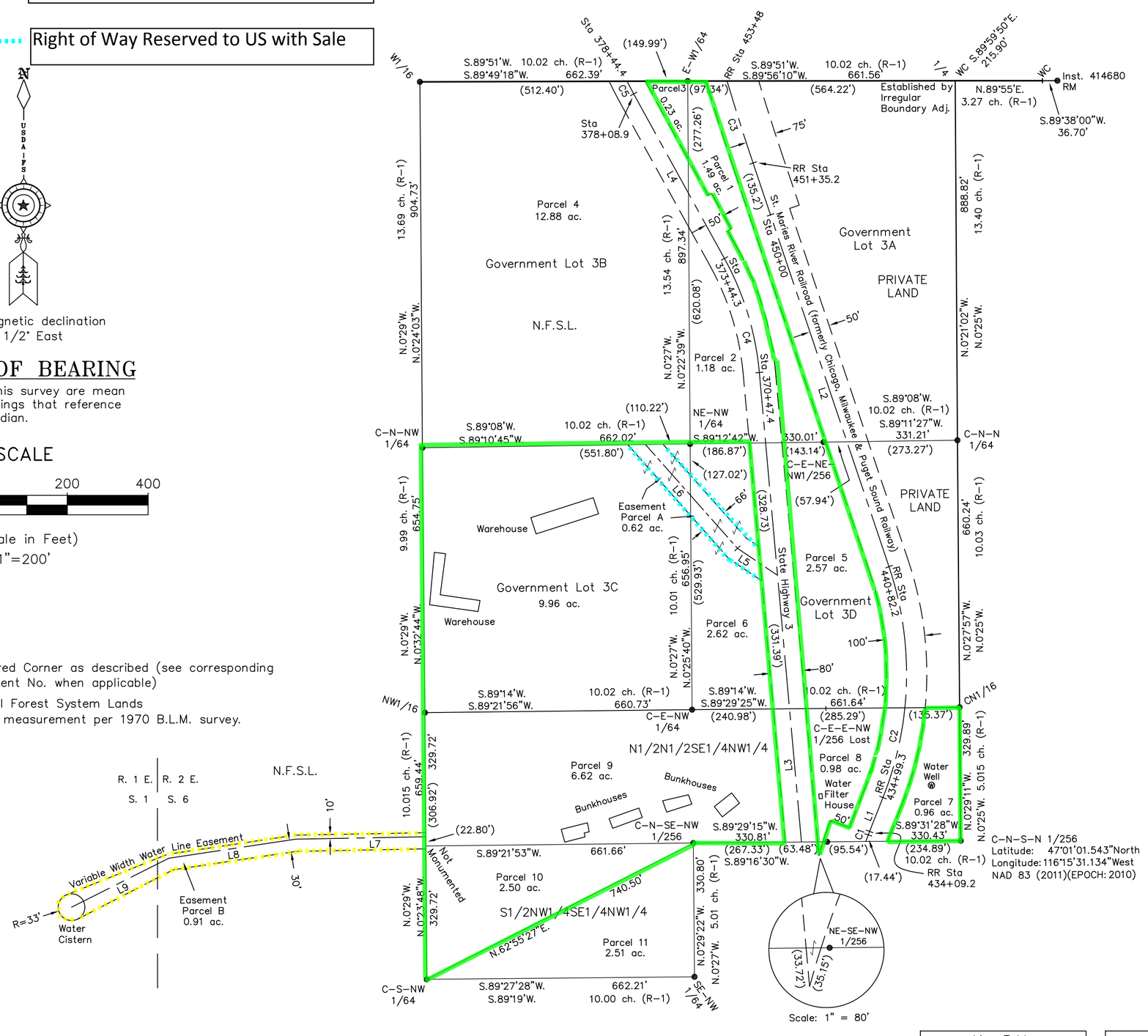
SCALE

200 0 200 400

(Scale in Feet)
1"=200'

LEGEND

- ● Recovered Corner as described (see corresponding Instrument No. when applicable)
- N.F.S.L. National Forest System Lands
- (R–1) Record measurement per 1970 B.L.M. survey.



PURPOSE OF SURVEY

The purpose of this survey is to locate the common boundary between Private and National Forest System Lands.

Requested by: _____
Mary Farnsworth, Forest Supervisor
Idaho Panhandle National Forests

METHOD OF SURVEY

This survey was executed using survey grade RTK GPS combined with conventional total station methods. Distances shown in paranthesis are calculated from record documents.

HISTORY OF SURVEYS

The history of surveys that pertain to Section 6, Township 42 North, Range 2 East, Boise Meridian, Idaho, are as follows:

Original G.L.O. Survey by Ernest P. Rands in 1900.

Railroad per Right of Way Deed recorded in 1909 in Book 39, Deeds, Page 357.

State Highway per official plat of the 1935 Elk River (W.P.S.S. 215) Highway Survey and Right of Way Deed recorded in 1936 as Inst. No. 98858 in Book 66, Deeds, Page 527.

Subdivision of Section 6 by Neil R. Forsyth, B.L.M., in 1970.

NOTES

The location of the railroad centerline where it intersects the N. bdy. of sec. 6 is defined by distance ties each way on the RR ROW plans. I was not able to reconcile these tie distances to the as built centerlines of the RR, so the ties along the section line were not used to position this alignment. I used the measured location of the centerline of the railroad to define the intersection with the N. line of sec. 6, then computed the deeded centerline alignment of the railroad from the stationing on the ROW plans. I then rotated this calculated alignment to the measured centerline holding the measured centerline for the basis of bearing of the alignment. There are 2 spiral curves within my project area with very small transition spirals, I converted the spiral curves to simple circular curves. I did this by holding the tangent bearings to form a new central angle, and the stationing to determine the new curve length; this worked well and fits the measured centerline of the RR tracks.

The location of the Highway centerline was taken from the 1935 highway plans, the location of the the highway centerline where it intersects the N. bdy. of sec. 6 is defined by a distance tie to the West. I used this distance tie to position the highway centerline then computed the deeded centerline alignment of the highway from the stationing on the highway plans. I applied no rotation to this deeded centerline since it fit the measured highway centerline within a few feet; the alignment for the highway on this plat is exactly the deeded alignment with no alterations.

There is some question if the 1936 80' highway ROW, Inst. No. 98858, granted an easement or fee title, the 1921 66' wide easement, Inst. No. 81764, over the same ground did grant fee title. Since the 1970 Warrenty Deed to the US Inst. No. 227565 specifically "Excepted" the aforesaid 80' ROW in fee, the question is moot, the U.S. Government does not own any of the fee title under said 80' ROW.

CERTIFICATION

I, Michael W. Beale, P.L.S. 14511, State of Idaho, hereby certify that this plat correctly represents a survey made by me or under my direction, and is in compliance with Idaho Code 31–2709, 55–1905 and 55–1906, and accepted methods and procedures of surveying, at the request of the Forest Supervisor.

PROFESSIONAL LAND SURVEYOR LICENSED 14511 STATE OF IDAHO MICHAEL W. BEALE

COUNTY RECORDATION

This Record of Survey was filed for record in the Office of the Recorder of Shoshone County, Idaho at the request of_____ this_____day of _____20___, at_____M., and duly recorded as:
INSTRUMENT No._____

_____
SHOSHONE COUNTY RECORDER

Line Table		
Line	Direction	Length
L1	N.21°36'39"E.	90.10'
L2	N.18°37'24"W.	1053.00'
L3	N.5°08'00"W.	1165.12'
L4	N.28°53'03"W.	464.51'
L5	N.56°03'09"W.	119.46'
L6	N.41°33'42"W.	342.75'
L7	S.88°55'11"W	321.84'
L8	S.81°28'13"W.	317.13'
L9	S.63°16'30"W.	269.35'

Curve Table			
Curve	Delta	Radius	Length
C1	1°48'45	842.12'	26.64'
C2	40°14'00"	830.10'	582.90'
C3	2°07'41"	5729.58'	212.80'
C4	23°45'00"	716.26'	296.90'
C5	2°29'05"	818.60'	35.50'

U.S.D.A. – Forest Service – Region 1
IDAHO PANHANDLE NATIONAL FORESTS
ST. JOE NATIONAL FOREST

PROJECT: Clarkia Ranger Station
SURVEYOR: Beale, Mettler
DATE SURVEYED: 2013–2014
DRAWING BY: Mettler 4/7/2014

IDAHO NORTH LANDS ZONE FORESTS

FOREST SERVICE U.S. DEPARTMENT OF AGRICULTURE