

# RECORD OF SURVEY

"ELK EA CADASTRAL SURVEY"

USDA FOREST SERVICE

UMPQUA NATIONAL FOREST

TILLER RANGER DISTRICT

CONTRACT NO. AG-04H1-C-14-0008

TASK ORDER NO. 1204T018F0072

LOCATED IN

SECTION 5, T.32S., R.1W., W.M.

DOUGLAS COUNTY, OREGON

FILED  
Date: 10-21-19 By: *AD*  
This Survey Consists of:  
Map: M171-69A  
Narrative: *AD*  
Corner Rpt.:  
DOUGLAS COUNTY  
SURVEYOR

### CORNER DESCRIPTIONS:

ALL NEW BEARING TREES HAVE DOUBLE BLAZED FACES WITH A 1" BRASS WASHER STAMPED "DEGROOT PLS89398" NAILED INTO THE LOWER BLAZE. ON ALL NEW AND EXISTING BEARING TREES, BEARINGS ARE TAKEN TO THE CENTER OF THE TREE AT THE ROOT CROWN AND DISTANCES ARE MEASURED TO A MAG-HUB CHAINING NAIL IN THE ROOT CROWN AT THE SIDE AND CENTER OF THE TREE WITH A TOTAL STATION. ALL BEARING TREES HAVE A 6" RED BAND PAINTED AROUND THE TREE AND THE BLAZED FACES PAINTED RED. WITH 54-3 "BEARING TREE" SIGNS NAILED AT ±5 FT HIGH FACING THE CORNER, AND 54-4 "ATTENTION" OR 54-9 "LSM" SIGNS NAILED AT ±7 FT HIGH ON THE BACKSIDE OF THE TREE.

1. SEC. COR. S32/S33 ONLY PLS NO. T31SR1W 300100 INDEX FILE NO. Z-5  
FD. A 2 1/4" IRON POST BY KURT C. WEAVER, PLS 1679, IN 1980 PER M 82-15 A & B, FIRMLY SET AND PROJECTING 6" ABOVE GROUND IN AN 18" DIAM. STONE MOUND WITH A 2 1/2" BRASS CAP PROPERLY MKD. PER THE RECORD, WITH BEARING TREES PER THE 2017 SURVEY M 171-36.

2. N 1/4 S5 ONLY PLS NO. T32SR1W 240700 INDEX FILE NO. A-7  
FD. A 2 1/4" IRON POST BY KURT C. WEAVER, PLS 1679, IN 1980 PER C.S. FILE NO. 58/176-34, FIRMLY SET AND PROJECTING 8" ABOVE GROUND IN AN 18" DIAM. STONE MOUND, WITH A 2 1/2" BRASS CAP MKD:

T31S R1W  
S32  
T32S T1/4 S5  
S1679 ONLY  
1980

FROM WHICH BEARING TREES BY DCSO IN 1968:  
A 13" G. FIR BEARS S.31°E., 18.9 FT W/HEALED DBL BLAZE (S28°E., 19.4 FT)R3 (S.31°00'E., 19.0 FT)R6  
A 14" W. FIR BEARS S.38°15'W, 15.5 FT W/HEALED DBL BLAZE (S.38°W., 16.6 FT)R3 (S.39°03'W., 18.0 FT)R6  
AND A NEW REFERENCE MONUMENT:  
A 5/8" X 30" IRON ROD W/ 2" ALUM. CAP MKD. "BTS SURVEYING INC RM 1 PLS 89398" BEARS N.31°00'03"W., 19.67 FT

THE SECTION CORNER OF S32/S33 BEARS S.89°50'26"E., 158.28 FT (LINE OF SIGHT)

A 6" X 10" SPLIT CEDAR FENCE CORNER OF FENCES EAST AND SOUTH BEARS S.50°E., 2.0 FT

3. W 1/16 S5 ONLY PLS NO. T32SR1W 220700 INDEX FILE NO. A-6  
FD. A 2 1/4" IRON POST BY BRUCE A. SHANER, PLS 430, IN 1980 PER RM 3-37, FIRMLY SET AND PROJECTING 6" ABOVE GROUND IN A 24" DIAM. STONE COLLAR, WITH A 2 1/2" BRASS CAP MKD:

T31S R1W W.M.  
W 1/16 S5 ONLY  
T32S  
RLS 430 1980

FROM WHICH BEARING TREES BY FRIAR IN 1974:  
A 30" D. FIR BEARS S.19°45'E., 43.9 FT W/HEALED BLAZE (S.19°30'E., 43.7 FT) R5 & R7  
A 13" D. FIR SNAG BEARS S.60°45'W., 28.8 FT W/HEALED DBL BLAZE (S.61°W., 28.8 FT) R5 & R7  
AND A NEW BEARING TREE:  
A 28" D. FIR BEARS S.52°30'W., 30.3 FT SCRIBED "W1/16S5 BT" ON DBL BLAZE

THE 5/8" IRON ROD PER C.S. FILE NO. 58/5 A & B IS ALONG THE WEST SIDE OF THE MONUMENT.

4. PROPERTY CORNER  
FD. A 5/8" IRON ROD BY RONALD A. QUIMBY, PLS 1654, IN 2006 PER M 149-53, FIRMLY SET AND PROJECTING 6" ABOVE GROUND, WITH A YELLOW PLASTIC CAP MKD. "I.E. ENGINEERING". I SET ALUMINUM POSTS ±3 FT NORTH & SOUTH OF THE MONUMENT, WITH 54-2 PROPERTY BOUNDARY AND 54-9 LSM SIGNS ATTACHED.

5. W 1/16 80 PLS NO. T32SR1W 220663 INDEX FILE NO. A-B-6  
FD. A 5/8" IRON ROD BY RONALD A. QUIMBY, PLS 1654, IN 2006 PER M 149-53, FIRMLY SET AND PROJECTING 3" ABOVE GROUND, WITH A YELLOW PLASTIC CAP MKD. "I.E. ENGINEERING"

FROM WHICH THE UN-RECORDED 2006 BEARING TREES:  
A 10" D. FIR BEARS N.32°15'E., 32.0 FT W/HEALED BLAZE (N.30°E., 32.0 FT) 2006 BT TAG  
A 15" D. FIR BEARS S.26°15'W., 24.1 FT W/HEALED BLAZE - W/5' FIELD FENCE ON NE FACE (S.23°W., 24.6 FT) 2006 BT TAG  
MONUMENT FALLS 0.3 FT SOUTHEAST OF AN 8' HIGH GREEN T-POST FENCE CORNER OF FENCES NORTH AND WEST.  
I SET AN ALUMINUM POST ±3 FT SOUTH OF MONUMENT WITH 54-2 PROPERTY BOUNDARY AND 54-9 LSM SIGNS ATTACHED.

6. NW 1/16 PLS NO. T32SR1W 220660 INDEX FILE NO. B-6  
FD. A 2 1/4" IRON POST BY BRUCE A. SHANER, PLS 430, IN 1980 PER RM 3-37, FIRMLY SET AND PROJECTING 8" ABOVE GROUND IN A 24" DIAM. STONE MOUND TO TOP, WITH A 2 1/2" BRASS CAP MKD:

T32S R1W W.M.  
NW • S5  
1/16  
RLS 430 1980

FROM WHICH THE 1980 BEARING TREES:  
A 13" D. FIR BEARS N.39°30'E., 13.7 FT W/HEALED DBL BLAZE (N.40°E., 13.9 FT)R7  
A 16" D. FIR BEARS N.65°30'W., 33.0 FT W/HEALED DBL BLAZE (N.64°W., 33.3 FT)R7

7. N 1/16 S6/S5 PLS NO. T32SR1W 200660 INDEX FILE NO. B-5  
FD. A 2 1/2" IRON POST BY BRUCE A. SHANER, PE 4906, IN 1970 PER RM 2-21, FIRMLY SET AND PROJECTING 6" ABOVE GROUND, WITH A 3" BRASS CAP MKD:

T32S R1W W.M.  
N 1/16  
S6 S5  
1970  
OPE 4906

FROM WHICH THE 1960 BEARING TREES BY R.M. THOMPSON:  
A 10" YEW BEARS N.83°30'E., 12.1 FT W/SCRIBE MKS "1/16 3683 BT" VISIBLE ON OPEN DBL BLAZE (N.84°E., 12.0 FT)R4 & R7  
A 25" W. FIR BEARS N.9°45'W., 22.0 FT W/HEALED DBL BLAZE (N.10°W., 22.3 FT)R4 & R7

THE 1" I.D. IRON PIPE SET BY R.M. THOMPSON IN 1960 BEARS N.13°38'58"E., 6.15 FT (N.13°E., 6.13 FT)R4 (N.16°E., 6.1 FT)R7

### NARRATIVE:

THE PURPOSE OF THIS SURVEY IS TO RETRACE THE UMPQUA NATIONAL FOREST BOUNDARY LOCATED IN THE NW 1/4, SECTION 5, T.32S., R.1W., W.M.; AND TO MAINTAIN THE BOUNDARY LINES, CORNER MONUMENTS, AND ACCESSORIES TO USDA FOREST SERVICE CONTRACT STANDARDS.

### BOUNDARY CONTROL:

I ACCEPT ALL CORNERS IN THEIR CURRENT POSITIONS AS MONUMENTED OR RETRACED UNDER RM 3-37 AND M 149-53, AND MARK TRUE LINE BETWEEN SAID MONUMENTS. ALL BOUNDARY LINES RETRACED HAD PREVIOUSLY BEEN POSTED AND BLAZED UNDER RM 3-37, AND RE-POSTED AND MAINTAINED BY FOREST SERVICE PERSONNEL OR CONTRACTORS UNDER UN-FILED FORCE ACCOUNT WORK IN 1994. MANY OF THE EXISTING ORIGINAL CARSONITE FIBERGLASS POSTS SET PER RM 3-37 WERE IN POOR CONDITION, UNABLE TO BE BROUGHT TO PLUMB DUE TO THE BROKEN BACK RIBS. MOST OF THE 1994 ALUMINUM POST WERE IN GOOD CONDITION. TO MAINTAIN THE BOUNDARY I LOCATE THE EXISTING POSTS AND RESET THOSE THAT ARE MORE THAN ±0.3 FEET OFF LINE. I REMOVE THE BROKEN POSTS AND SET NEW 6 FT ALUMINUM POSTS AND 54-2 BOUNDARY SIGNS INTERVISIBLE AT NO MORE THAN ±250 FT INTERVALS. TREES WITHIN 3-5 FT OF THE BOUNDARY ARE BLAZED WITH QUARTER BLAZES ON USFS TREES, AND ONE FACING BLAZE ON PRIVATE TREES, WITH HACK MARKS ABOVE AND BELOW EACH BLAZE. LINE TREES ARE BLAZED WHERE LINE PASSES THROUGH TREE AT BREAST HEIGHT, WITH THREE BLAZES ON EACH SIDE OF TREE. ALL BLAZES ARE PAINTED RED.

THE NORTH BOUNDARY OF LOT 3 WAS HAND BRUSHED AND RE-BLAZED BETWEEN THE EXISTING POSTS BY OTHERS IN THE LAST 1-2 YEARS. THEY WIDELY BLAZED BOTH SIDES OF LINE WITH QUARTER BLAZES PAINTED ORANGE, WITH SOME TREES 10-15' NORTH OR SOUTH OF LINE. I FIND THREE OF THE 1994 ALUMINUM POSTS FROM 1.3 FEET TO 3.3 FEET NORTH OF TRUE LINE. I PAINT THE INCORRECT BLAZES THROUGH THIS PORTION OF LINE WITH BLACK PAINT AND RE-BLAZE TRUE LINE. I PLACE HACK MARKS ON THE NEW BLAZES WITHIN 3-5 FEET OF LINE AND RE-BLAZE THE TREES NORTH OF LINE WITH ONE FACING BLAZE.

AS NOTED IN THE CORNER DESCRIPTIONS, I FIND THAT M 149-53 MONUMENTED THE W 1/16 80 CORNER (SE CORNER OF LOT 4) AND MARKED BEARING TREES THAT WERE NOT NOTED ON THE SURVEY.

SEE SHEET 2 FOR SCALED DETAILS AND ENCROACHMENT DESCRIPTION FOR THE ANDREWS PROPERTY.

### SURVEY HISTORY:

( ) R1 - US GLO ORIGINAL SURVEY OF T.32S., R.1W., W.M. BY RUFUS S. MOORE, US DEPUTY SURVEYOR, UNDER CONTRACT NO. 475, DATED JULY 3, 1883 PLAT NO. 116 - ACCEPTED APRIL 10, 1884.

( ) R2 - DOUGLAS COUNTY RECORD SURVEY C.S. FILE NO. 41/159 A & B BY LELAND P. LOVEJOY, PLS 262, IN 1962 FOR L.E. GILLIAM. PROPORTIONATELY SETS THE 1/4 CORNER FOR SECTION 5 ONLY.

( ) R3 - DOUGLAS COUNTY CORNER RECORDS C.S. FILE NO. 54/71-1 DCSO 1968 - MARKS BEARING TREES AT THE 1/4 CORNER FOR SECTION 5 ONLY.

( ) R4 - DOUGLAS COUNTY RECORD SURVEY RM 2-21 BY BRUCE A. SHANER, PE 4906, IN 1970 FOR THE U.S. FOREST SERVICE UNDER CONTRACT NO. 002821. AS PERTAINING TO THIS SURVEY, SETS THE N 1/16 CORNER OF SECTIONS 5 & 6

( ) R5 - DOUGLAS COUNTY RECORD SURVEY C.S. FILE NO. 58/5 A & B BY LARRY J. FRIAR, PLS 961, IN 1974 FOR MICHAEL FARMER. PROPORTIONATELY SETS THE W 1/16 OF SECTION 5 ONLY.

( ) R6 - DOUGLAS COUNTY CORNER RECORDS C.S. FILE NO. 58/176-34 BY KURT C. WEAVER, PLS 1679, IN 1980 FOR THE U.S. FOREST SERVICE RE-MONUMENTS THE N 1/4 CORNER OF SECTION 5 ONLY.

( ) R7 - DOUGLAS COUNTY RECORD SURVEY RM 3-37 BY BRUCE A. SHANER, PLS 430, IN 1980 FOR THE U.S. FOREST SERVICE UNDER CONTRACT NO. 53-04H1-9-7662N "TILLER LAND SURVEY NO. 36". SUBDIVISION OF SECTION 5. AS PERTAINING TO THIS SURVEY, SETS THE NW 1/16 SECTION 5, RE-MONUMENTS THE W 1/16 SECTION 5 ONLY, AND POSTS & BLAZES THE NORTH BOUNDARY OF LOTS 3 & 12, AND THE WEST BOUNDARY OF LOTS 3 & 6 WITH CARSONITE POSTS & BOUNDARY SIGNS.

( ) R8 - DOUGLAS COUNTY RECORD SURVEY M 149-53 BY RONALD A. QUIMBY, PLS 1654, IN 2006 FOR WLR PROPERTIES LLC. MONUMENTS A DEED PROPERTY CORNER AND THE W 1/16 80 CORNER ON-LINE BETWEEN THE NW 1/16 AND THE W 1/16 OF SECTION 5.

### LEGEND:

⊕ = FOUND PLS MONUMENT AND ACCESSORIES AS NOTED IN THE CORNER DESCRIPTIONS

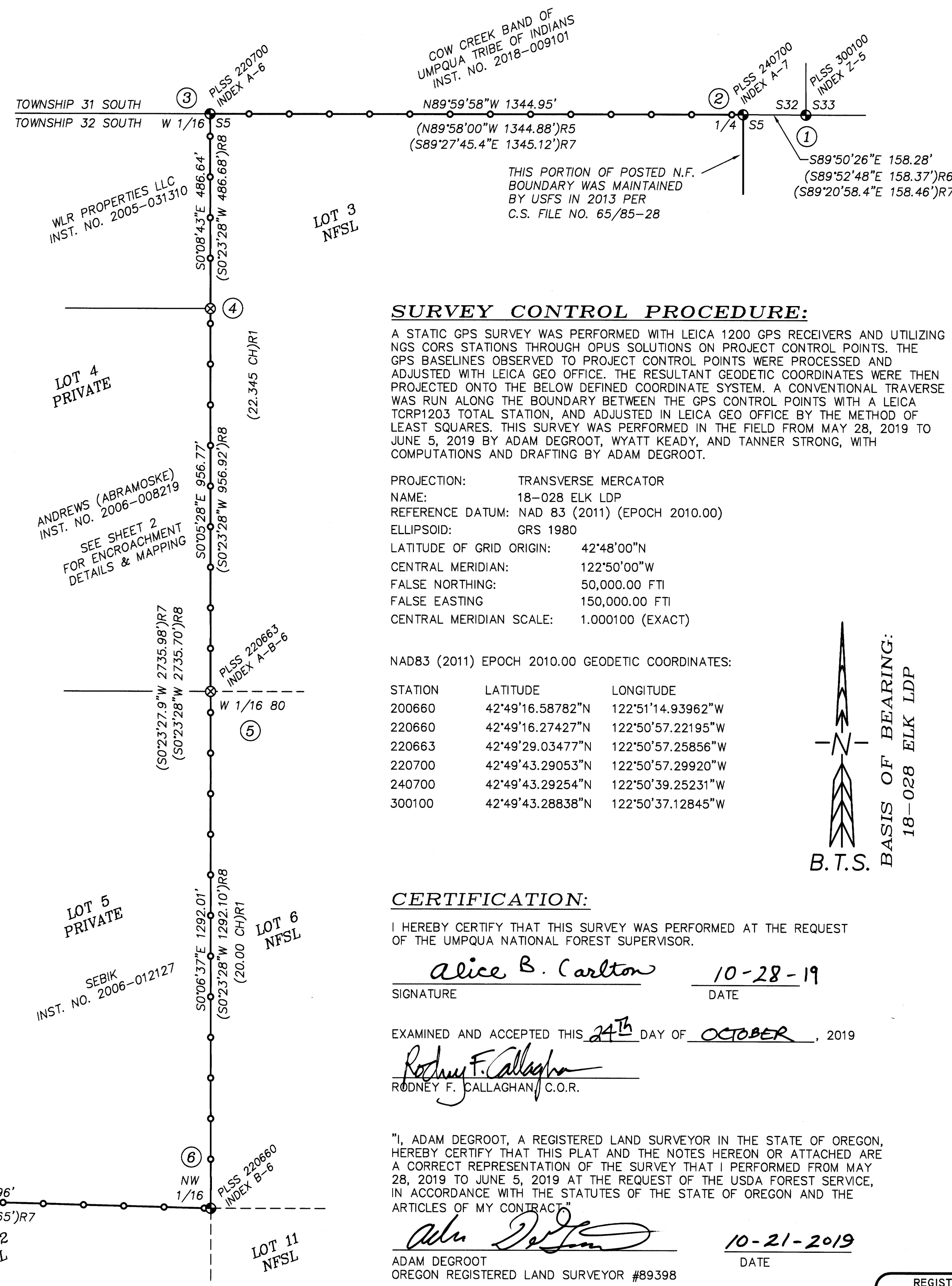
⊗ = FOUND 5/8" IRON ROD PER M 149-53 AS NOTED IN THE CORNER DESCRIPTIONS

○ = EXISTING N.F. BOUNDARY MAINTAINED - BLAZED, PAINTED, & RE-POSTED

Ⓝ = CORNER NUMBER - SEE CORNER DESCRIPTIONS

NFSL = NATIONAL FOREST SYSTEM LANDS

INDEX = USFS CORNER CARD NO.



### SURVEY CONTROL PROCEDURE:

A STATIC GPS SURVEY WAS PERFORMED WITH LEICA 1200 GPS RECEIVERS AND UTILIZING NGS CORS STATIONS THROUGH OPUS SOLUTIONS ON PROJECT CONTROL POINTS. THE GPS BASELINES OBSERVED TO PROJECT CONTROL POINTS WERE PROCESSED AND ADJUSTED WITH LEICA GEO OFFICE. THE RESULTANT GEODETIC COORDINATES WERE THEN PROJECTED ONTO THE BELOW DEFINED COORDINATE SYSTEM. A CONVENTIONAL TRAVERSE WAS RUN ALONG THE BOUNDARY BETWEEN THE GPS CONTROL POINTS WITH A LEICA TORP1203 TOTAL STATION, AND ADJUSTED IN LEICA GEO OFFICE BY THE METHOD OF LEAST SQUARES. THIS SURVEY WAS PERFORMED IN THE FIELD FROM MAY 28, 2019 TO JUNE 5, 2019 BY ADAM DEGROOT, WYATT KEADY, AND TANNER STRONG, WITH COMPUTATIONS AND DRAFTING BY ADAM DEGROOT.

PROJECTION: TRANSVERSE MERCATOR  
NAME: 18-028 ELK LDP  
REFERENCE DATUM: NAD 83 (2011) (EPOCH 2010.00)  
ELLIPSOID: GRS 1980  
LATITUDE OF GRID ORIGIN: 42°48'00"N  
CENTRAL MERIDIAN: 122°50'00"W  
FALSE NORTHING: 50,000.00 FTI  
FALSE EASTING: 150,000.00 FTI  
CENTRAL MERIDIAN SCALE: 1.000100 (EXACT)

### NAD83 (2011) EPOCH 2010.00 GEODETIC COORDINATES:

STATION	LATITUDE	LONGITUDE
200660	42°49'16.58782"N	122°51'14.93962"W
220660	42°49'16.27427"N	122°50'57.22195"W
220663	42°49'29.03477"N	122°50'57.25856"W
220700	42°49'43.29053"N	122°50'57.29920"W
240700	42°49'43.29254"N	122°50'39.25231"W
300100	42°49'43.28838"N	122°50'37.12845"W

### CERTIFICATION:

I HEREBY CERTIFY THAT THIS SURVEY WAS PERFORMED AT THE REQUEST OF THE UMPQUA NATIONAL FOREST SUPERVISOR.

*Alice B. Carlton* 10-28-19  
SIGNATURE DATE

EXAMINED AND ACCEPTED THIS 24<sup>TH</sup> DAY OF OCTOBER, 2019

*Rodney F. Callaghan*  
RODNEY F. CALLAGHAN, C.O.R.

"I, ADAM DEGROOT, A REGISTERED LAND SURVEYOR IN THE STATE OF OREGON, HEREBY CERTIFY THAT THIS PLAT AND THE NOTES HEREON OR ATTACHED ARE A CORRECT REPRESENTATION OF THE SURVEY THAT I PERFORMED FROM MAY 28, 2019 TO JUNE 5, 2019 AT THE REQUEST OF THE USDA FOREST SERVICE, IN ACCORDANCE WITH THE STATUTES OF THE STATE OF OREGON AND THE ARTICLES OF MY CONTRACT"

*Adam Degroot* 10-21-2019  
ADAM DEGROOT DATE  
OREGON REGISTERED LAND SURVEYOR #89398

REGISTERED PROFESSIONAL LAND SURVEYOR  
*Adam Degroot*  
OREGON  
MAY 26, 2015  
ADAM DEGROOT  
89398  
RENEWS: 12-31-2019

**BTS SURVEYING, INC.**  
348 SE JACKSON ST., ROSEBURG, OR 97470  
(541) 673-0966 adam@btssurveying.com

SCALE: 1" = 200'	FOR: USDA FOREST SERVICE REGION 6 UMPQUA NATIONAL FOREST TILLER RANGER DISTRICT	JOB #: 18-028 FILE: ELKEA_S5.DWG SHEET 1 OF 2
DATE: OCTOBER 21, 2019		