

NARRATIVE:

SURVEY & TITLE HISTORY: IN 1947, CHESTER & ELVA SLONECKER GRANTED THE TIMBERLAND PORTIONS OF THE S 1/2 SE 1/4, NE 1/4 SE 1/4, AND THE SE 1/4 OF SW 1/4 OF SECTION 8 AND THE NE 1/4 NW 1/4 OF SECTION 17 TO CROWN ZELLERBACH CORPORATION BY THAT DEED RECORDED IN VOLUME 135, PAGES 553, AS INSTRUMENT NO. 61405. THIS DEED CALLS FOR A SURVEY TO BE MADE OF THE "BOTTOM OR AGRICULTURAL LANDS" AND DEFINES THESE LANDS AS "THE LEVEL OR LOW-LYING LANDS BETWEEN THE OLD ROAD NOW RUNNING ALONG THE TOE OF THE SLOPE ON THE SOUTH SIDE OF THE PROPERTY, AND THE NORTH EDGE OF THE CLEARED LANDS ALONG THE NORTHERLY PORTION OF THE PROPERTY".

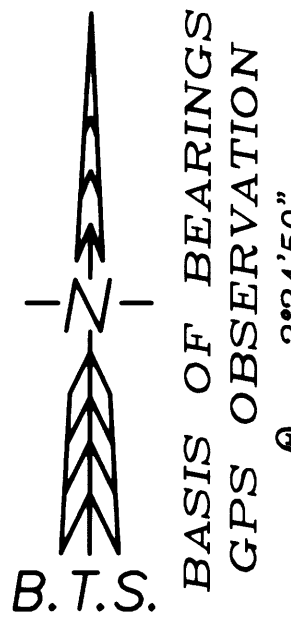
SURVEY ANALYSIS AND PROCEDURES: THIS SURVEY IS AN EXTENSION OF M 157-2 AND COMPLETES THE RECOVERY, REMONUMENTATION AND POSTING OF THE PARCEL "A" BOUNDARY IN SECTION 8. AS REPORTED UNDER M 157-2, THE M 24-51/M 24-52, THE 1949 DEED, VOLUME 166, PAGES 457 AND THE CURRENT USFS DEED, INSTRUMENT NO. 2003-023046 DO NOT CALL MONUMENTS AT THE PROPERTY CORNERS DESCRIBED. BTS HAS FOUND 1/2" AND 3/4" IRON PIPES, AT THE CORNERS NOTED IN THE M 024-51/M 24-51 CORNER DESCRIPTION TABLE. THE COURSES BETWEEN FOUND MONUMENTS CLOSELY MATCH THE DEED COURSES ROTATED FROM GRID BEARINGS TO GEODETIC BEARINGS. I ACCEPT THE FOUND MONUMENTS AS THE BEST AVAILABLE EVIDENCE OF THE LOCATION OF THE USA PROPERTY DESCRIBED IN INSTRUMENT NO. 2003-023046. UNDER THIS SURVEY I PERPETUATE THE 1/4 SB/S9 ORIGINAL CORNER POSITION AND ACCEPT AND PERPETUATE HOOTMAN'S M 20-44 MONUMENTS AT THE S 1/2 SB/S9, SE 1/4 SB AND CS 7/8 SB. THE SE CORNER OF SECTION 8, E 1/2 SB/S17 AND 1/4 SB/S17 WERE PERPETUATED UNDER M 157-2 AND WERE NOT RE-TIED UNDER THIS SURVEY. CORNERS 56, 57, 67, 68, 69, 71, 72, AND 73 WERE COMPUTED BY THE GRANT-BOUNDARY METHOD BETWEEN FOUND M 24-51/M 24-52 MONUMENTS. I DISCOVERED A 10' ERROR IN THE M 24-51 RECORD FOR COURSE L21. INSTRUMENT NO. 2003-023046 LISTS THE L21 COURSE BEARING AS S.46°48'30"W, WHICH CLOSELY MATCHES THE INVERSE BEARING BETWEEN THE M 24-51 COORDINATES OF S.46°48'22"W. BUT NOT THE M 24-51 BEARING OF S.56°48'30"W. INSTRUMENT NO. 2003-023046 AND VOLUME 166, PAGE 467 BOTH QUALIFY CORNER 47 AS FALLING ON THE "NORTHERLY BOUNDARY OF THE SW 1/4 SW 1/4 OF SAID SECTION 8". I FOUND CORNER 47 TO FALL 0.70 FEET NORTH OF THAT QUARTER SECTION LINE AND NOTE SIGNIFICANT DISCREPANCIES BETWEEN MEASURED DISTANCES AND HOOTMAN'S M 20-44 RECORD WHICH WERE ALSO NOTED BY GERALD K. ATTIG UNDER M 91-20. THEREFORE, I ACCEPT CORNER 47 AS A MONUMENT ON THE QUARTER SECTION LINE AND SHOW AN ANGLE IN THIS LINE AT CORNER 47. INSTRUMENT NO. 2003-023046 ALSO QUALIFIES CORNERS 61 AND 74 AS POINTS ON THE EAST LINE OF SECTION 8. THEREFORE, I EXTEND COURSES L17 AND L30 TO INTERSECT THE EAST LINE OF SECTION 8.

THE STATIC GPS CONTROL NETWORK SURVEYED UNDER M 146-80 AND M 157-2 CONTROLLED THIS SURVEY. GPS OBSERVATIONS WERE BASED ON AN NGS OPUS SOLUTION, AND ADJUSTED BY LEAST SQUARES METHODS USING LEICA LGO SOFTWARE. OCS 1983 SOUTH ZONE STATE PLANE COORDINATES WERE COMPUTED FOR THE GPS NETWORK AND THEN CONVERTED TO A LOCAL PROJECT DATUM WITH A COMBINED SCALE FACTOR OF 0.99994903 AND AN AVERAGE CONVERGENCE ANGLE OF -2'24.50". RTK AND CONVENTIONAL TRAVERSE LOOPS AND TIES WERE SURVEYED TO CONTROLLING CORNERS AND ALONG BOUNDARY LINES POSTED AND ADJUSTED BY LEAST SQUARES METHODS. ALL OBSERVATIONS WERE TAKEN WITH A LEICA TOPCON 1203 TOTAL STATION AND SYSTEM 1200 GPS RECEIVERS. THIS SURVEY WAS PERFORMED BY LES FANNING, ADAM DEGROOT, JOEL HERZBERG, RICK SANFORD, AND SCOTT MCCURDY WITH COMPUTATIONS AND DRAFTING BY KRIS DEGROOT, ADAM DEGROOT AND JOEL HERZBERG.

Table with columns: NO., BEARING, DISTANCE, RECORD, NO., BEARING, DISTANCE, RECORD. Lists 15 numbered points with their respective bearings and distances.

M 24-51 & M 24-52 MONUMENTS FOUND:

- 45 = FOUND 1/2" x 36" IP, BENT & BURIED, BOTTOM 20" STRAIGHT IN GROUND, REMOVED & SET 5/8" x 30" IR W/AC IN PLACE & RESET 1/2" IP ALONGSIDE
47 = FOUND 3/4" x 35" IP, BURIED 6" SET 5/8" x 30" IR W/AC INSIDE
49 = FOUND 1/2" x 36" IP, PROJECTING 6" ABOVE GROUND, REMOVED & SET 5/8" x 30" IR W/AC IN PLACE & RESET 1/2" IP ALONGSIDE
50 = FOUND 1/2" x 36" IP, PROJECTING 6" ABOVE GROUND, REMOVED & SET 5/8" x 30" IR W/AC IN PLACE & RESET 1/2" IP ALONGSIDE
51 = FOUND 1/2" x 36" IP, PROJECTING 6" ABOVE GROUND, REMOVED & SET 5/8" x 30" IR W/AC IN PLACE & RESET 1/2" IP ALONGSIDE
52 = FOUND 1/2" x 36" IP, PROJECTING 6" ABOVE GROUND, REMOVED & SET 5/8" x 30" IR W/AC IN PLACE & RESET 1/2" IP ALONGSIDE
53 = FOUND 1/2" x 36" IP, PROJECTING 6" ABOVE GROUND, REMOVED & SET 5/8" x 30" IR W/AC IN PLACE & RESET 1/2" IP ALONGSIDE
54 = FOUND 1/2" x 36" IP, PROJECTING 6" ABOVE GROUND, REMOVED & SET 5/8" x 30" IR W/AC IN PLACE & RESET 1/2" IP ALONGSIDE
55 = FOUND 1/2" x 36" IP, PROJECTING 3" ABOVE GROUND, REMOVED & SET 5/8" x 30" IR W/AC IN PLACE & RESET 1/2" IP ALONGSIDE
58 = FOUND 1/2" x 36" IP, BURIED 8" IN ROAD GRADE, REMOVED & SET 5/8" x 30" IR W/AC IN PLACE & RESET 1/2" IP ALONGSIDE
61 = FOUND 1/2" x 36" IP, PROJECTING 2" ABOVE GROUND, REMOVED & SET 5/8" x 30" IR W/AC IN PLACE & RESET 1/2" IP ALONGSIDE
62 = FOUND 1/2" x 36" IP W/FITTING, BURIED 8", REMOVED & SET 5/8" x 30" IR W/AC IN PLACE & RESET 1/2" IP ALONGSIDE
63 = FOUND 1/2" x 36" IP, PROJECTING 2" ABOVE GROUND, REMOVED & SET 5/8" x 30" IR W/AC IN PLACE & RESET 1/2" IP ALONGSIDE
64 = FOUND 1/2" x 36" IP, PROJECTING 2" ABOVE GROUND, REMOVED & SET 5/8" x 30" IR W/AC IN PLACE & RESET 1/2" IP ALONGSIDE
65 = FOUND 1/2" x 36" IP, FLUSH WITH GROUND, REMOVED & SET 5/8" x 30" IR W/AC IN PLACE & RESET 1/2" IP ALONGSIDE
66 = FOUND 1/2" x 36" IP, PROJECTING 3" ABOVE GROUND, REMOVED & SET 5/8" x 30" IR W/AC IN PLACE & RESET 1/2" IP ALONGSIDE
70 = FOUND 1/2" x 27" IP, PROJECTING 12" AND LEANING DOWNHILL, I RETURN TO PLUMB & SET 5/8" x 30" IR W/AC IN PLACE & RESET 1/2" IP ALONGSIDE
74 = FOUND 3/4" x 30" IP, FLUSH WITH GROUND, LEANING DOWNHILL, I RETURN TO PLUMB & SET 5/8" x 30" IR W/AC INSIDE



EXAMINED AND ACCEPTED FOR THE U.S. FOREST SERVICE

THIS 17TH DAY OF December 2008

MICHAEL SCHWARTZ COR

I CERTIFY THAT THIS SURVEY WAS PERFORMED AT THE REQUEST OF THE SIUSLAW NATIONAL FOREST SUPERVISOR

Signature of Kristian O. Degroot, dated 12/15/2008

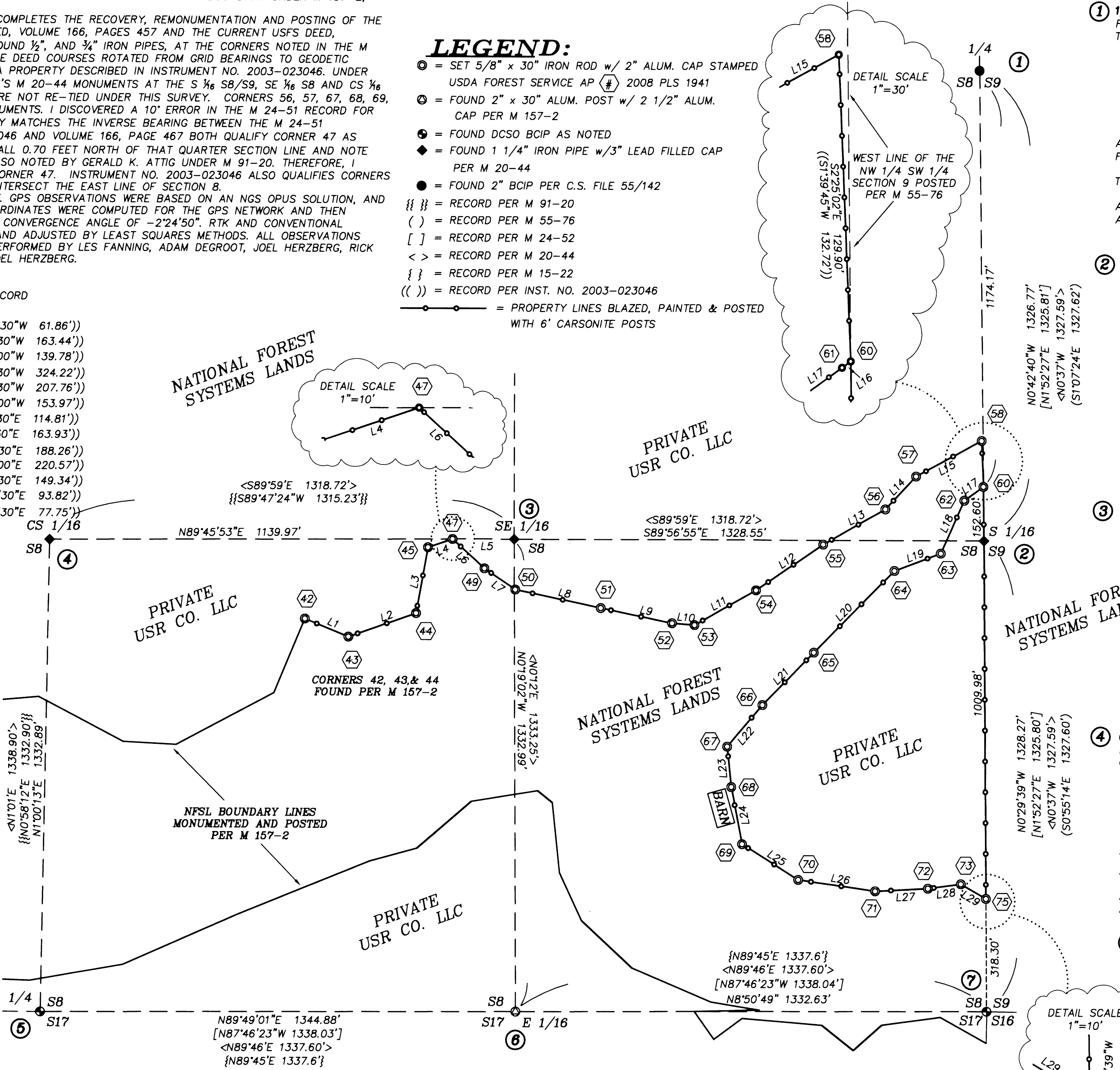
CERTIFICATION: I, KRISTIAN O. DEGROOT, A REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF OREGON, DO HEREBY CERTIFY, THAT THIS PLAN AND ATTACHED NARRATIVE ARE A CORRECT REPRESENTATION OF A SURVEY THAT I PERFORMED AT THE REQUEST OF THE USDA FOREST SERVICE AND IS IN ACCORDANCE WITH THE LAWS OF OREGON AND THE ARTICLES OF MY CONTRACT.

Signature of Kristian O. Degroot, dated 12/08/2008, KRISTIAN O. DEGROOT, P.L.S. NO. 1941

RECORD OF SURVEY FIVEMILE CREEK CADASTRAL SURVEY USFS CONTRACT NO. AG-04R4-D-7-0110 LOCATED IN SE 1/4 SECTION 8, T20S, R11W, W.M. DOUGLAS COUNTY, OREGON

LEGEND:

- Symbol for SET 5/8" x 30" IRON ROD w/ 2" ALUM. CAP STAMPED
Symbol for USDA FOREST SERVICE AP # 2008 PLS 1941
Symbol for FOUND 2" x 30" ALUM. POST w/ 2 1/2" ALUM. CAP PER M 157-2
Symbol for FOUND DCSO BCIP AS NOTED
Symbol for FOUND 1 1/4" IRON PIPE w/ 3" LEAD FILLED CAP PER M 20-44
Symbol for FOUND 2" BCIP PER C.S. FILE 55/142
Symbol for RECORD PER M 91-20
Symbol for RECORD PER M 55-76
Symbol for RECORD PER M 24-52
Symbol for RECORD PER M 20-44
Symbol for RECORD PER M 15-22
Symbol for RECORD PER INST. NO. 2003-023046
Symbol for PROPERTY LINES BLAZED, PAINTED & POSTED WITH 6" CARSONITE POSTS



CORNER DESCRIPTIONS:

ALL NEW BEARING TREES HAVE DOUBLE BLAZED FACES WITH A BRASS WASHER STAMPED "PLS 1941" NAILED INTO THE LOWER BLAZE. BEARINGS ARE TAKEN TO THE CENTER OF THE TREE AT THE ROOT CROWN AND DISTANCES ARE MEASURED TO A 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 FACE PAINTED RED AND USFS 54-3 BEARING TREE AND 54-9 LAND SURVEY MONUMENT SIGNS NAILED TO THE TREE. ALL NEW 5/8" x 30" IRON ROD REFERENCE MONUMENTS HAVE A PLASTIC CAP STAMPED "BTS ENG-SURV".

FILED Date: 12-17-2008 This survey consists of: Map: M157-6 Narrative: Douglas County Surveyor

1 1/4 SB/S9 PLSS ID. NO. 300540 FOUND: A 2" IRON POST BY T. McCULLOUGH IN 1970 PER C.S. FILE 55/142, FIRMLY SET, PROJECTING 6" ABOVE THE GROUND, WITH A 2" BRASS CAP STAMPED:

FROM WHICH AN ORIGINAL BEARING TREE BY THIEL IN 1891: A 26" ROTTED FIR STUMP, BEARS S.72°45'W, 4.9 FT. TO THE FACE, WITH SCRIBE MARKS "B BT" VISIBLE ON OPEN FACE. (REC. S.74°W, 4.6 FT.) AND A BEARING TREE BY McCULLOUGH IN 1970: THE ROTTED REMAINS OF A 18" FIR STUMP BEARS N.51°15'E, 34.9 FT., NO BLAZE VISIBLE. (REC. N.50°E., 35.0 FT.) AND NEW BEARING TREES: A 17" D.FIR BEARS S.30°15'W, 26.6 FT., SCRIBED "1/4 SB BT" A 14" D.FIR BEARS N.60°45'E, 20.1 FT., SCRIBED "1/4 S9 BT" A 1" IRON PIPE PER M 24-52, IS SET ALONG SIDE, AND PROJECTS ABOVE THE TOP OF THE BCIP.

2 S 1/16 SB/S9 PLSS ID. NO. 300520 FOUND: A 1 1/4" IRON PIPE BY W. HOOTMAN IN 1961 PER M 20-44, FIRMLY SET, PROJECTING 10" ABOVE THE GROUND, WITH A 3" LEAD FILLED CAP STAMPED:

FROM WHICH BEARING TREES BY HOOTMAN IN 1961: A 40" ROTTED SPRUCE STUMP BEARS N.51°30'W, 17.1 FT. WITH ILLEGIBLE SCRIBE MARKS VISIBLE ON OPEN BLAZE. (REC. N.48°30'W, 17.6 FT.) A 40" ROTTED SPRUCE STUMP BEARS N.49°E, 10.6 FT. NO BLAZE VISIBLE. (REC. N.49°00'E., 13.0 FT.) AND A REFERENCE MONUMENT PER M 24-52: A 1 1/2" IRON PIPE BEARS N.78°55'44"W, 4.27 FT. (REC. N.73°24'03"W, 4.94 FT.) AND NEW BEARING TREES: A 14" D.FIR BEARS N.41°45'W, 12.4 FT., SCRIBED "S 1/16 SB BT" A 12" D.FIR BEARS S.81°15'E, 24.3 FT., SCRIBED "S 1/16 S9 BT"

3 SE 1/16 SB PLSS ID. NO. 280520 FOUND: A 1 1/4" IRON PIPE BY W. HOOTMAN IN 1961 PER M 20-44, FIRMLY SET, PROJECTING 9" ABOVE THE GROUND, LEANING APPROXIMATELY 45° DOWNHILL, I RETURN TO PLUMB POSITION, WITH A 3" LEAD FILLED CAP STAMPED:

FROM WHICH BEARING TREES BY HOOTMAN IN 1961: A 30" ROTTED D.FIR STUMP BEARS S.87°W, 22.8 FT. (REC. WEST 22.7 FT.) A 29" ROTTED D.FIR SNAG BEARS N.48°30'W, 26.0 FT. (REC. N.47°00'W, 25.3 FT.) AND NEW BEARING TREES: A 18" HEMLOCK BEARS N.40°15'W, 30.6 FT. SCRIBED "SE 1/16 SB BT" A 10" D.FIR BEARS N.15°45'W, 19.9 FT. SCRIBED "SE 1/16 SB BT" THE M 20-44 UNRECORDED IRON PIPE IS NOW MISSING.

4 CS 1/16 SB PLSS ID. NO. 240520 FOUND: A 1 1/4" IRON PIPE BY W. HOOTMAN IN 1961 PER M 20-44, FIRMLY SET, PROJECTING 10" ABOVE THE GROUND, WITH A 3" LEAD FILLED CAP STAMPED:

FROM WHICH BEARING TREES BY HOOTMAN IN 1961: THE REMAINS OF A 40" D.FIR STUMP BEARS S.11°W, 15.4 FT. (REC. S.11°00'W, 15.0 FT.) A 36" D.FIR STUMP BEARS S.87°30'W, 13.3 FT. (REC. S.87°30'W, 13.5 FT.) AND NEW BEARING TREES: A 16" D.FIR BEARS N.73°0'E, 17.3 FT. SCRIBED "CS 1/16 SB BT" A 15" D.FIR BEARS N.73°45'E, 19.9 FT. SCRIBED "CS 1/16 SB BT"

5 1/4 SB/S17 PLSS ID. NO. 240500 FOUND: A 1 1/4" IRON PIPE BY POWELL 1969 IN PER C.S. FILE 53/66, FIRMLY SET, PROJECTING 12" ABOVE THE GROUND, WITH A 2 1/2" BRASS CAP STAMPED:

FROM WHICH AN ORIGINAL BEARING TREE BY THIEL IN 1891: A ROTTED FIR STUMP BEARS S.84°30'W, 33.7 FT. AND BEARING TREES BY HOOTMAN IN 1959 PER M 15-22: A 24" ALDER BEARS N.27°45'E, 13.9 FT. WITH HEALED BLAZE. (REC. N.29°E., 13.7 FT.) A 26" ROTTED ALDER STUMP BEARS S.54°15'E, 46.8 FT. (REC. S.55°E.) AND BEARING TREES BY POWELL IN 1969 PER C.S. FILE 53/66: A 33" SPRUCE BEARS N.77°45'W, 49.2 FT. WITH A HEALED BLAZE. (REC. N.77°W, 49.0 FT.) A 36" HEMLOCK BEARS S.88°W, 16.3 FT. WITH A HEALED BLAZE. (REC. S.85°W, 16.7 FT.) AND A BEARING TREE PER M 157-2: A 8" SPRUCE BEARS S.61°E, 34.8 FT. WITH SCRIBING MARKS VISIBLE. ALSO FOUND A RUSTED 2" IRON PIPE BY COLE IN 1923 PER C.S. FILE 1/35 SET ALONGSIDE.

6 E 1/16 SB/S17 PLSS ID. NO. 280500 FOUND: A 2 1/2" x 30" ALUMINUM POST PER M 157-2, FIRMLY SET, PROJECTING 6" ABOVE THE GROUND, WITH 3 1/4" ALUMINUM CAP STAMPED:

7 SB/S9/S16/S17 PLSS ID. NO. 300500 FOUND: A 1 1/2" IRON POST BY R. SMITH, DOUGLAS CO. SURVEYOR'S OFFICE, IN 1992 PER C.S FILE 64/23, FIRMLY SET, BURIED 20" BELOW GROUND, WITH A 2 1/2" BRASS CAP STAMPED:

FROM WHICH AN ORIGINAL BEARING TREE BY THIEL IN 1891: A 84" CEDAR BEARS S.41°W, 143.2 FT. WITH NO BLAZES. AND BEARING TREES BY R. SMITH, IN 1992 PER C.S FILE 64/23: A 37" HEMLOCK BEARS N.19°30'W, 401.0 FT. WITH HEALED DOUBLE BLAZE (REC. N.20°45'W, 401.2 FT.) A 19" ALDER BEARS N.61°30'E, 36.3 FT. WITH ROTTED FACE (REC. N.60°30'E, 36.3 FT.) A 13" RED CEDAR BEARS S.72°45'E, 521.1 FT. WITH HEALED BLAZE (REC. S.74°E.) THE WITNESS CORNER BY F. POWELL, DOUGLAS CO. SURVEYOR'S OFFICE, IN 1969 PER C.S FILE 53/66, WAS FOUND LYING IN FIVE MILE CREEK, WASHED OUT OF POSITION BY CREEK BANK EROSION

U.S.D.A. FOREST SERVICE T20S R11W E 1/16 SB S17 2008 PLS 1941

REGISTERED PROFESSIONAL LAND SURVEYOR

Signature of Kristian O. Degroot, OREGON JULY 17, 1981 KRISTIAN O. DEGROOT 1941 RENEWAL DATE: 12-31-09

DOUGLAS COUNTY SURVEYORS OFFICE T20S R11W SB S9 R S17/S16 W 1990

BTS ENGINEERING & SURVEYING, INC. 431 S.E. MAIN ST., ROSEBURG, OR 97470 PHONE (541) 673-0966 FAX (541) 673-0105

SCALE: 1" = 200' FOR: SIUSLAW NATIONAL FOREST 4077 SW RESEARCH WAY CORVALLIS, OR 97339-1148 JOB #: 07-073 FILE: 07-073 Contract Mod. Sec. 8.DWG SHEET 1 OF 1