

LEGEND:

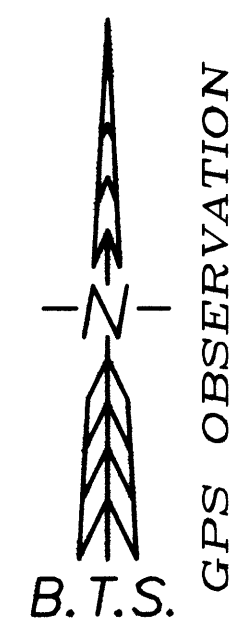
- ⊙ = SET 5/8" x 30" IRON ROD ALUMINUM CAP AS NOTED.
- = FOUND PLSS MONUMENT AS NOTED
- ⊗ = FOUND CORNER TREE
- () = RECORD PER 1907 USGLO SURVEY
- [] = RECORD PER DCSO M 113-20/ CCSO 33-B-25
- { } = RECORD PER DCSO M 115-46/ CCSO 33-A-16
- = PROPERTY LINES BLAZED, PAINTED & POSTED WITH 5 1/2' STEEL POSTS.

FILED
 DATE: 7/6/2010 By: *hw*
 This survey consists of:
 Map: M 160-78
 Narrative:
 Corner Rpt:
 DOUGLAS COUNTY
 SURVEYOR

MAP FILE M 160-78

RECORD OF SURVEY

LOCATED IN THE E 1/2 OF
 SECTION 28, T.29S., R.9W., W.M.
 COOS & DOUGLAS COUNTY, OREGON



NARRATIVE:

THE PURPOSE OF THIS SURVEY IS TO RETRACE AND TO POST THE EAST 1/2 OF THE SOUTH LINE, THE EAST LINE AND A PORTION OF THE NORTH LINE AND TO MONUMENT THE SOUTH 1/4 CORNER OF SECTION 28. THE N 1/4, E 1/4, NE, SE AND SW CORNERS OF SECTION 28 WERE FOUND AS RESTORED IN THEIR ORIGINAL POSITIONS. THE BOUNDARY LINES NOTED WERE POSTED WITH 5 1/2 FOOT STEEL POSTS AND BLAZED AND PAINTED.

A STATIC GPS CONTROL SURVEY BASED ON A NGS OPUS SOLUTION WAS PERFORMED WITH GPS OBSERVATIONS TAKEN TO PROJECT CONTROL POINTS AND ADJUSTED BY LEAST SQUARES METHODS USING LEICA LGO SOFTWARE. GPS GEODETIC COORDINATES WERE THEN PROJECTED INTO A LOCAL PROJECT DATUM TRANSVERSE MERCATOR PROJECTION CREATED USING LEICA LGO SOFTWARE AS FOLLOWS:

REFERENCE DATUM: NAD 83(CORS96)
 EPOCH2002
 LATITUDE OF ORIGIN: 43°00'00"N.
 CENTRAL MERIDIAN: 123°46'00"W.
 ZONE WIDTH: 0°03'00"
 ORIGIN SCALE FACTOR: 1.000096
 FALSE NORTHING: 50000.000
 FALSE EASTING: 150000.000

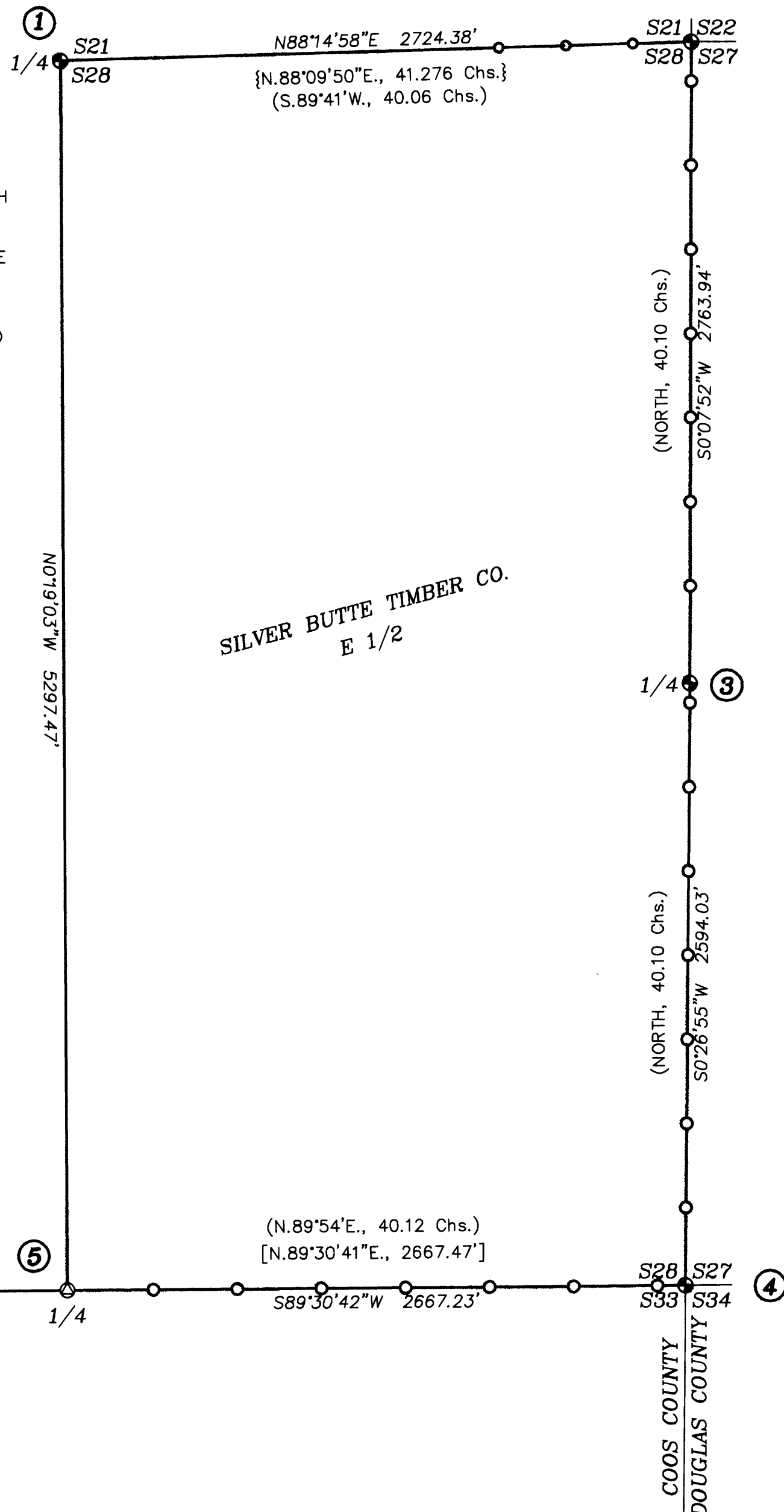
THE BASIS OF BEARINGS IS GEODETIC NORTH BY GPS OBSERVATION. RTK AND CONVENTIONAL TRAVERSE LOOPS AND TIES WERE THEN SURVEYED TO CONTROLLING CORNERS AND ALONG BOUNDARY LINES POSTED AND ADJUSTED BY LEAST SQUARES METHODS. ALL OBSERVATIONS WERE TAKEN WITH A LEICA TCPR 1203 TOTAL STATION AND SYSTEM 1200 GPS RECEIVERS. THIS SURVEY WAS PERFORMED BY LES FANNING, ADAM DEGROOT, AND SCOTT McCURDY WITH COMPUTATIONS BY ADAM DEGROOT AND DRAFTING BY KRIS DEGROOT.

REGISTERED
**PROFESSIONAL
 LAND SURVEYOR**

Kristian O. Degroot

OREGON
 JULY 17, 1981
KRISTIAN O. DEGROOT
 1941

RENEWAL DATE: 12-31-2011



SILVER BUTTE TIMBER CO.
 E 1/2

COOS COUNTY
 DOUGLAS COUNTY

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 BEARING TREE SIGNS NAILED TO THE TREE. ALL NEW 5/8" x 30" IRON ROD REFERENCE MONUMENTS HAVE A PLASTIC CAP STAMPED "BTS ENG-SURV".

1. **1/4 S21/S28 PLSS 340300**
 LAT: 43°01'31.173417"N. LONG: 123°46'17.988106"W.
 FOUND USBLM BCIP AND ACCESSORIES BY JACK W. BOWDER, CADASTRAL SURVEYOR, IN 1977 PER USBLM FIELD NOTE VOLUME OR-R0609, PAGE 600.
2. **S21/S22/S27/S28 PLSS 400300**
 LAT: 43°01'31.995329"N. LONG: 123°45'41.332149"W.
 FOUND 1959 DCSO BCIP AND ACCESSORIES PER DCSO PLSS 400300.
3. **1/4 S28/S27 PLSS 400240**
 LAT: 43°01'04.698273"N. LONG: 123°45'41.419498"W.
 FOUND 1959 DCSO BCIP AND ACCESSORIES PER DCSO PLSS 400240.
4. **S27/S28/S33/S34 PLSS 400200**
 LAT: 43°00'39.080003"N. LONG: 123°45'41.695029"W.
 FOUND 1959/1991 DCSO BCIP AND ACCESSORIES PER DCSO PLSS 400200.
5. **1/4 S28/S33 PLSS 340200**
 LAT: 43°00'38.855476"N. LONG: 123°46'17.588883"W.
 AT SINGLE PROPORTIONATE DISTANCE, SET A 5/8" x 30" IRON ROD, 24" IN THE GROUND WITH AN 18" DIAMETER STONE COLLAR WITH A 3 1/4" ALUMINUM CAP STAMPED:
 T29S R9W
 1 S28
 4 S33
 2010
 PLS 1941
 FROM WHICH BEARING TREES BY MUNRO AND FARNSWORTH IN 1977 PER A USBLM ADMINISTRATIVE SURVEY, NOT OF RECORD:
 A 23" HEMLOCK BEARS N.4 1/4"W., 17.2 FEET WITH A HEALED BLAZE, I RESCRIBED "1/4 S28 BT". (TORBECK RECORD PER M 113-20/33-B-25: N.02"W., 19.5')
 A 22" D.FIR BEARS S.37 3/4"W., 33.7 FEET WITH A HEALED BLAZE, I RESCRIBED "1/4 S23 BT". (TORBECK RECORD PER M 113-20/33-B-25: S.40"W., 31.5')
 AND A NEW BEARING TREE:
 A 13" D.FIR BEARS S.58 1/4"E., 18.3 FEET SCRIBED "1/4 S33 BT".
 AND REFERENCE MONUMENT BY MUNRO AND FARNSWORTH IN 1977 PER A USBLM ADMINISTRATIVE SURVEY, NOT OF RECORD:
 A 3/4" IRON PIPE BEARS S.12°30'36"W., 2.29 FEET.
 AND A NEW REFERENCE MONUMENT:
 A 5/8" x 30" IRON ROD WITH PLASTIC CAP "BTS ENG-SURV" BEARS N.60°10'15"W., 27.01 FEET.
6. **S28/S29/S32/S33 PLSS 300200**
 LAT: 43°01'38.627822"N. LONG: 123°46'53.482663"W.
 FOUND ORIGINAL CORNER TREE, USBLM REFERENCE MONUMENTS AND ACCESSORIES BY JACK W. BOWDER, CADASTRAL SURVEYOR, IN 1977 PER USBLM FIELD NOTE VOLUME OR-R0609, PAGE 599.
 FROM WHICH REFERENCE MONUMENTS BY BOWDER IN 1977:
 A 2 1/2" BRASS CAPPED IRON POST BEARS N.39°08'25"E., 13.20 FEET. (RECORD N.40'E)
 A 2 1/2" BRASS CAPPED IRON POST BEARS S.52°54'17"E., 13.20 FEET. (RECORD S.50'E)

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

SCALE: 1" = 500'	FOR: SILVER BUTTE TIMBER CO. P.O. BOX 4 RIDDLE, OR 97469	JOB #: 10-020 FILE: 10-020 SBTCo.dwg SHEET 1 OF 1
DATE: JUNE 23, 2010		

MAP FILE M 160-78