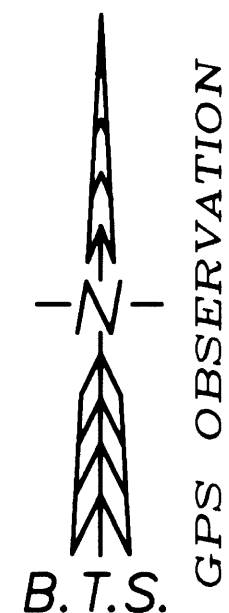


RECORD OF SURVEY

LOCATED IN
 NW 1/4, SECTION 2, T32S, R4W, W.M.
 DOUGLAS COUNTY, OREGON

LEGEND:

- = SET 5/8" x 30" IRON ROD W/ PLASTIC CAP OR AS NOTED
- = SET 1 1/2" IRON PIPE W/ 2 1/2" BRASS CAP
- = FOUND 5/8" IRON ROD PER M 143-76
- = FOUND 5/8" IRON ROD PER M 41-5
- = FOUND 1/2" IRON ROD PER M 15-31
- = FOUND 3/4" IRON ROD PER 1961 DOUGLAS COUNTY COW CREEK CO. RD. NO. 36 PLANS
- △ = COMPUTED POINT NOT SET
- = COMPUTED CENTER LINE POINT NOT SET
- () = RECORD PER M 15-31
- [] = RECORD PER M 41-5
- = PROPERTY LINES BLAZED, PAINTED & POSTED WITH 5 1/2' STEEL POSTS



REGISTERED
 PROFESSIONAL
 LAND SURVEYOR
Kristian Q. Degroot
 OREGON
 JULY 17, 1981
 KRISTIAN Q. DEGROOT
 1961
 RENEWAL DATE: 12-31-09

NARRATIVE:

THE PURPOSE OF THIS SURVEY IS TO POST, BLAZE AND PAINT THE BOUNDARY LINES OF SILVER BUTTE TIMBER CO. PROPERTY DESCRIBED IN INSTRUMENT NO. 288132 AND ALSO TO MONUMENT THE PROPERTY CORNERS ALONG THE NORTHERLY RIGHT OF WAY OF COW CREEK COUNTY ROAD NO. 36. THIS SURVEY WAS CONTROLLED BY MONUMENTS FOUND PER M 143-76, M 41-5, M 15-31, AND THE 1961 DOUGLAS COUNTY ROAD DEPARTMENT PLANS FOR COW CREEK COUNTY ROAD NO. 36. THE MONUMENT AT THE NORTHWEST CORNER OF SECTION 2 HAS BEEN DESTROYED BY THE CONSTRUCTION OF GALESVILLE RESERVOIR. THE CORNER POSITION WAS COMPUTED FROM THE EXISTING BEARING TREES AND A WITNESS CORNER WAS SET 230 FEET EAST OF THE SECTION CORNER ON THE NORTH LINE OF SECTION 2. THE NORTH 1/4 CORNER OF SECTION 2 WAS ACCEPTED AS FOUND PER M 41-5 AND I NOTE AN 8 FOOT DISCREPANCY IN THE DISTANCE BETWEEN THE NORTH 1/4 CORNER AND THE NORTHWEST SECTION CORNER UNDER M 15-31, LECKLIDER ESTABLISHED THE CN 1/16 AND C 1/4 CORNERS OF SECTION 2. UNDER M 41-5, MARTIN ESTABLISHED THE N 1/4 CORNER OF SECTION 2 AND ACCEPTED LECKLIDER'S CN 1/16 AND C 1/4 AND SHOWED A 45 FOOT DISCREPANCY IN THE DISTANCE BETWEEN THE C 1/4 AND CN 1/16. UNDER M 143-76 WYTCHELEY REJECTED LECKLIDER'S M 15-31 C 1/4 AND CW 1/16 CORNERS AND MARTIN'S M 41-5 MONUMENTS ON THE EAST-WEST CENTERLINE OF SECTION 2 BECAUSE OF A BLUNDER BY LECKLIDER IN MONUMENTING THE C 1/4 CORNER. WYTCHELEY SET A NEW C 1/4 CORNER ON THE TRUE EAST-WEST CENTERLINE OF SECTION, WHICH I ACCEPT UNDER THIS SURVEY, ALTHOUGH I NOTE THAT WYTCHELEY DID NOT TIE THE NORTHEAST, NORTHWEST, OR NORTH 1/4 CORNER OF SECTION 2 AND COMPUTED THE C 1/4 POSITION BASED ON THE M 15-31 SURVEY DATA THAT HE WAS REJECTING. I FOUND LECKLIDER'S CN 1/16 TO FALL 1.81 FEET NORTH AND 11.43 FEET WEST OF THE MIDPOINT OF A LINE BETWEEN MARTIN'S NORTH 1/4 CORNER AND WYTCHELEY'S C 1/4 CORNER. BECAUSE M 15-31 SHOWS THE CORRECT PROCEDURE FOR ESTABLISHING THE CN 1/16 CORNER AND THAT THE NORTHING OF THIS CORNER IS NEAR THE MIDPOINT OF THE LINE BETWEEN THE EXISTING CORNERS AND BECAUSE THIS CORNER WAS ACCEPTED UNDER M 41-5, I ACCEPT THE LECKLIDER MONUMENT AS THE CN 1/16 OF SECTION 2. THE CENTERLINE AND NORTHERLY RIGHT OF WAY LINE OF COW CREEK COUNTY ROAD NO. 36 WAS COMPUTED AND MONUMENTED FROM RIGHT OF WAY MONUMENTS FOUND PER THE 1961 ROAD PLANS.

A CONTROL SURVEY WAS PERFORMED UTILIZING A STATIC GPS CONTROL SURVEY WITH RTK AND CONVENTIONAL TRAVERSE LOOPS AND TIES SURVEYED TO CONTROLLING CORNERS AND ALONG BOUNDARY LINES POSTED. ALL SURVEY OBSERVATIONS WERE TAKEN WITH A LEICA TCPR 1203 TOTAL STATION AND LEICA SYSTEMS 1200 GPS RECEIVERS AND WERE ADJUSTED BY LEAST SQUARES METHODS. THIS SURVEY WAS PERFORMED BY LES FANNING, ADAM DEGROOT, JOEL HERZBERG, AND RICK SANFORD WITH COMPUTATIONS AND DRAFTING BY KRIS DEGROOT, ADAM DEGROOT, AND JOEL HERZBERG.

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.

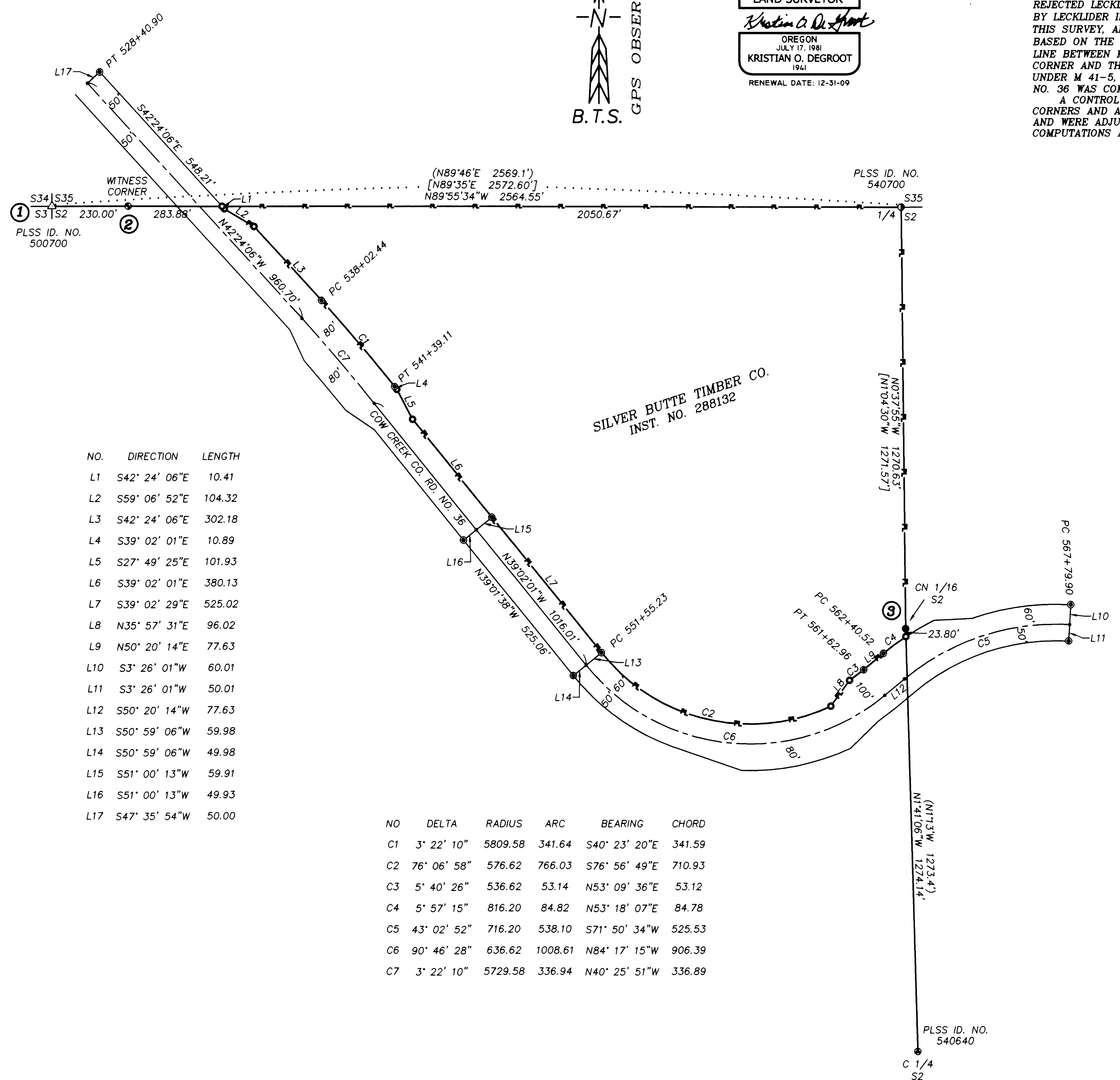
- ① **S2/S3/S34/S35**
 THE USBLM BRASS CAPPED IRON POST MONUMENT BY THIELSEN IN 1959 IS NOW MISSING HAVING BEEN DESTROYED BY THE CONSTRUCTION OF GALESVILLE RESERVOIR. THE CORNER POSITION IS COMPUTED FROM EXISTING BEARING TREES PER THE ROSEBERRY & EVANS RECORD OF 1972 BUT WAS NOT MONUMENTED. THE CORNER POSITION IS UNDER WATER DURING NORMAL RESERVOIR LEVELS BUT IS ACCESSIBLE AT LOW POOL LEVELS DURING WINTER MONTHS.
- FROM WHICH A BEARING TREE BY DCSO IN 1950:
 A 14" FIR STUMP BEARS S.62°30'E., 63.6 FEET (RECORD S.62°E., 91 LKS.)
- AND BEARING TREES BY THIELSEN IN 1959:
 A 29" CEDAR SNAG BEARS N.30°15'E., 89.0 FEET (RECORD N.30°E., 134 LKS.)
 A 23" FIR SNAG BEARS N.69°15'W., 90.4 FEET (RECORD N.70°30'W., 137 LKS.)
- AND BEARING TREES BY ROSEBERRY & EVANS IN 1972:
 A 20" FIR SNAG BEARS S.83°15'E., 170.9 FEET (RECORD S.83°15'E., 259 LKS.)
 A 18" FIR SNAG BEARS S.57°15'W., 27.1 FEET (RECORD S.57°30'W., 41 LKS.)

- ② **WITNESS CORNER TO S34/S35/S2/S3**
 AT A POINT WHICH BEARS S.89°55'34"E., 230.00 FEET FROM THE SECTION CORNER COMMON TO SECTIONS 2, 3, 34 AND 35 I ESTABLISHED A WITNESS CORNER AS FOLLOWS:
 SET A 1 1/2" X 36" IRON POST, 36" IN THE GROUND WITH 2 1/2" BRASS CAP STAMPED:

230.00 FT.
 T31S R4W WC
 S34/S35
 S3/S2
 T32S
 2008
 PLS 1941

- FROM WHICH NEW BEARING TREES:
 A 7" W. FIR BEARS N.0°15'W., 14.3' FT. SCRIBED "T31S R4W S35 WC BT".
 A 11" D. FIR BEARS S.63°E., 41.2' FT. SCRIBED "T32S R4W S2 WC BT".
- AND NEW REFERENCE MONUMENTS:
 A 5/8" X 30" IRON ROD ON THE NORTHERLY RIGHT OF WAY LINE OF COW CREEK COUNTY ROAD NO. 36 BEARS S.89°55'34"E., 283.88 FEET.
 A 3/4" IRON ROD ON THE NORTHERLY RIGHT OF WAY LINE OF COW CREEK COUNTY ROAD NO. 36 BEARS N.11°58'30"E., 413.45 FEET.

- ③ **CN 1/16 S2**
 FOUND A 1/2" IRON ROD BY LECKLIDER IN 1959 PER M 15-31, FIRMLY SET, PROJECTING 6" ABOVE THE GROUND:
- FROM WHICH BEARING TREES BY LECKLIDER IN 1959:
 A 30" FIR BEARS S.40°15'W., 58.4' FT. WITH HEALED FACE. REC. (S.40°W., 58.8' FT.)
 A 22" FIR STUMP BEARS N.12°30'E., 38.0' FT. REC. (N.13°E., 39.0' FT.)
- AND A NEW BEARING TREE:
 A 8" FIR BEARS S.78°30'E., 19.6' FT. SCRIBED "CN 1/16 S2 BT".



NO.	DIRECTION	LENGTH
L1	S42° 24' 06"E	10.41
L2	S59° 06' 52"E	104.32
L3	S42° 24' 06"E	302.18
L4	S39° 02' 01"E	10.89
L5	S27° 49' 25"E	101.93
L6	S39° 02' 01"E	380.13
L7	S39° 02' 29"E	525.02
L8	N35° 57' 31"E	96.02
L9	N50° 20' 14"E	77.63
L10	S3° 26' 01"W	60.01
L11	S3° 26' 01"W	50.01
L12	S50° 20' 14"W	77.63
L13	S50° 59' 06"W	59.98
L14	S50° 59' 06"W	49.98
L15	S51° 00' 13"W	59.91
L16	S51° 00' 13"W	49.93
L17	S47° 35' 54"W	50.00

NO	DELTA	RADIUS	ARC	BEARING	CHORD
C1	3' 22' 10"	5809.58	341.64	S40° 23' 20"E	341.59
C2	76° 06' 58"	576.62	766.03	S76° 56' 49"E	710.93
C3	5° 40' 26"	536.62	53.14	N53° 09' 36"E	53.12
C4	5° 57' 15"	816.20	84.82	N53° 18' 07"E	84.78
C5	43° 02' 52"	716.20	538.10	S71° 50' 34"W	525.53
C6	90° 46' 28"	636.62	1008.61	N84° 17' 15"W	906.39
C7	3' 22' 10"	5729.58	336.94	N40° 25' 51"W	336.89

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

SCALE: 1" = 200'
 DATE: MARCH 31, 2008

FOR: SILVER BUTTE TIMBER CO.
 P.O. BOX 4
 RIDDLE, OREGON 97469

JOB #: 07-067
 FILE: 07-067 SB Gatesville S2.DWG
 SHEET 1 OF 1