

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 S30/S31 PLSS #140200
FOUND: A 5/8" IRON ROD BY SHANER IN 1964 PER M 22-57, FIRMLY SET, PROJECTING 2" ABOVE THE GROUND IN AN EAST-WEST FENCE LINE.
SET: A 2" ALUMINUM CAP ON THE M 22-57 IRON ROD, STAMPED:

T28S R4W
1/4 S30
S31
2006
PLS 1941

FROM WHICH BEARING TREES BY SHANER IN 1964:
A 18" D.FIR SNAG BEARS S.9°E., 139.0 FT. WITH HEALED BLAZE.
A 19" CEDAR BEARS N.81°W., 171.0 FT. WITH HEALED BLAZE.
AND A NEW BEARING TREE:
A 12" CEDAR BEARS S.32°E., 119.8 FT. SCRIBED "1/4 S31 BT".
AND NEW REFERENCE MONUMENTS:
A 5/8" X 30" IRON ROD BEARS S.88°58'35"E., 83.20 FT.
A 5/8" X 30" IRON ROD BEARS N.1°01'25"E., 25.00 FT.

- ② S29/S30/S31/S32 PLSS #200200
FOUND: A 1 1/4"(I.D.) IRON PIPE BY BYRON IN 1961 PER C.S. FILE 49/67, FIRMLY SET, PROJECTING 12" ABOVE THE GROUND WITH A 2 1/2" BRASS CAP STAMPED AS PER C.S. FILE 49/67.

FROM WHICH A BEARING TREE BY STEWARD IN 1922:
A 24" BURNED CEDAR STUMP BEARS N.30°30'W., 46.8 FT.
AND BEARING TREES BY BYRON IN 1961:
A 14" D.FIR SNAG BEARS S.45°W., 47.8 FT., WITH HEALED DOUBLE BLAZE.
A 24" LAUREL BEARS N.71°E., 19.9 FT., WITH PARTIALLY HEALED BLAZE.
AND NEW BEARING TREES:
A 17" CEDAR BEARS S.18°30'W., 40.8 FT., SCRIBED "T28S R4W S31 BT".
A 7" D.FIR BEARS N.6°15'W., 62.2 FT., SCRIBED "T28S R4W S30 BT".
AND NEW REFERENCE MONUMENT:
A 5/8" X 30" IRON ROD BEARS S.42°35'01"E., 25.00 FT.

- ③ 1/4 S31/S32 PLSS #200140
FOUND: A 2" IRON PIPE BY BAUGHMAN IN 1974 PER M53-61, FIRMLY SET FLUSH WITH THE GROUND AND ACCESSORIES C.S. FILE 64/9.
SET: IN THE CENTER OF THE 2" IRON PIPE, 1 SET A 5/8" X 30" IRON ROD WITH A 2" ALUMINUM CAP, STAMPED:

T28S R4W
1/4 S31 | S32
2006
PLS 1941

FROM WHICH BEARING TREES PER C.S. FILE 64/9:
A 22" B.OAK BEARS N.48°E., 88.4 FT., WITH HEALED BLAZE.
A 14" D.FIR BEARS S.32°30'W., 43.5 FT., WITH HEALED BLAZE.
A 25" CEDAR BEARS N.10°W., 15.1 FT., WITH HEALED BLAZE.
AND A REFERENCE MONUMENT OF RECORD PER M53-61:
A 1" IRON ROD PROJECTING 6" ABOVE THE GROUND BEARS S.58°46'02"E., 9.36 FT.

- ④ S6/S8/S31/S32 PLSS #200100
FOUND: A 1 1/4"(I.D.) IRON PIPE BY BYRON IN 1957 PER C.S. FILE 47/180, FIRMLY SET, PROJECTING 15" ABOVE THE GROUND WITH A 2 1/2" BRASS CAP STAMPED AS PER C.S. FILE 47/180.
FROM WHICH A BEARING TREE BY CAIN IN 1915:

A 15" FIR STAUB BEARS N.34°30'E., 60.7 FT., WITH NO SCRIBE MARKS VISIBLE ON OPEN UPPER BLAZE AND HEALED LOWER BLAZE.
AND BEARING TREES BY BYRON IN 1957:
A 25" PINE BEARS N.60°30'E., 49.0 FT., WITH HEALED BLAZE.
A 26" CEDAR BEARS S.39°E., 9.4 FT., WITH HEALED BLAZE.
A 20" FIR STUMP BEARS S.24°W., 29.0 FT., WITH SCRIBE MARKS "BT" VISIBLE ON LOWER BLAZE.
A 15" B.OAK BEARS N.78°30'W., 22.0 FT., WITH HEALED BLAZE.
AND A NEW BEARING TREE:
A 16" CEDAR BEARS S.67°30'W., 22.5 FT., SCRIBED "T29S R4W S6 BT"

RECORD OF SURVEY
LOCATED IN

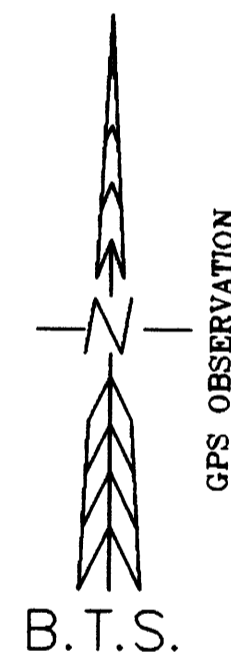
E 1/2, SECTION 31, T28S, R4W, W.M.
DOUGLAS COUNTY, OREGON

NARRATIVE:

THE PURPOSE OF THIS SURVEY IS TO POST AND BLAZE A PORTION OF THE NORTH AND EAST BOUNDARY LINES OF ROSEBURG RESOURCES CO. PROPERTY IN SECTION 31, T.28S., R.4W., TO REESTABLISH THE SOUTHWEST AND THE SOUTHEAST CORNERS OF THE CHUBB PROPERTY DESCRIBED IN INSTRUMENT NO. 98-00549 OF DOUGLAS COUNTY OFFICIAL RECORDS AND TO POST THE SOUTH AND WEST LINES OF THE CHUBB PROPERTY. THE LINES OF SECTION 31 WERE CONTROLLED BY THE FOLLOWING CORNERS: THE NORTH 1/4 OF SECTION 31 WAS FOUND AS SET BY PROPORTIONATE MEASUREMENT PER M22-57, THE NORTHEAST AND SOUTHEAST SECTION CORNERS WERE FOUND AS PERPETUATED FROM ORIGINAL EVIDENCE, THE EAST 1/4 CORNER WAS FOUND AS SET BY PROPORTIONATE MEASUREMENT PER M53-61, THE NORTHWEST AND NORTHEAST CORNERS OF THE CHUBB PROPERTY WERE FOUND AS ORIGINALLY SET PER M 53-61. THE M 53-61 MONUMENT AT THE SOUTHEAST CORNER OF THE CHUBB PROPERTY WAS FOUND LEANING AND DISTURBED FROM ITS M 53-61 POSITION AND WAS NOT ACCEPTED AS A CONTROLLING CORNER. IT IS RE-ESTABLISHED UNDER THIS SURVEY AT PROPORTIONATE M 53-61 DISTANCE BETWEEN THE EAST 1/4 CORNER OF SECTION 31 AND THE NORTHEAST CORNER OF THE CHUBB PROPERTY. THE SOUTHWEST CORNER OF THE CHUBB PROPERTY WAS LOST, AND RESET UNDER THIS SURVEY BY GRANT BOUNDARY METHOD BETWEEN THE NORTHWEST AND SOUTHEAST CORNERS.

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 TCRP 1203 TOTAL STATIONS 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 TONY BELLANDO WITH COMPUTATIONS AND DRAFTING BY KRIS DEGROOT, ADAM DEGROOT AND JOEL HERZBERG.

LINE	BEARING	LENGTH	RECORD
L1	N00°02'34"W	183.37'	[N00°00'03"E, 183.34']
L2	N69°35'40"W	701.13'	[S69°33'05"E, 700.86']
L3	N20°24'20"E	420.16'	[S20°26'55"W, 420.00']
L4	N00°02'34"W	443.34'	[N00°00'03"E, 443.27']



LEGEND:

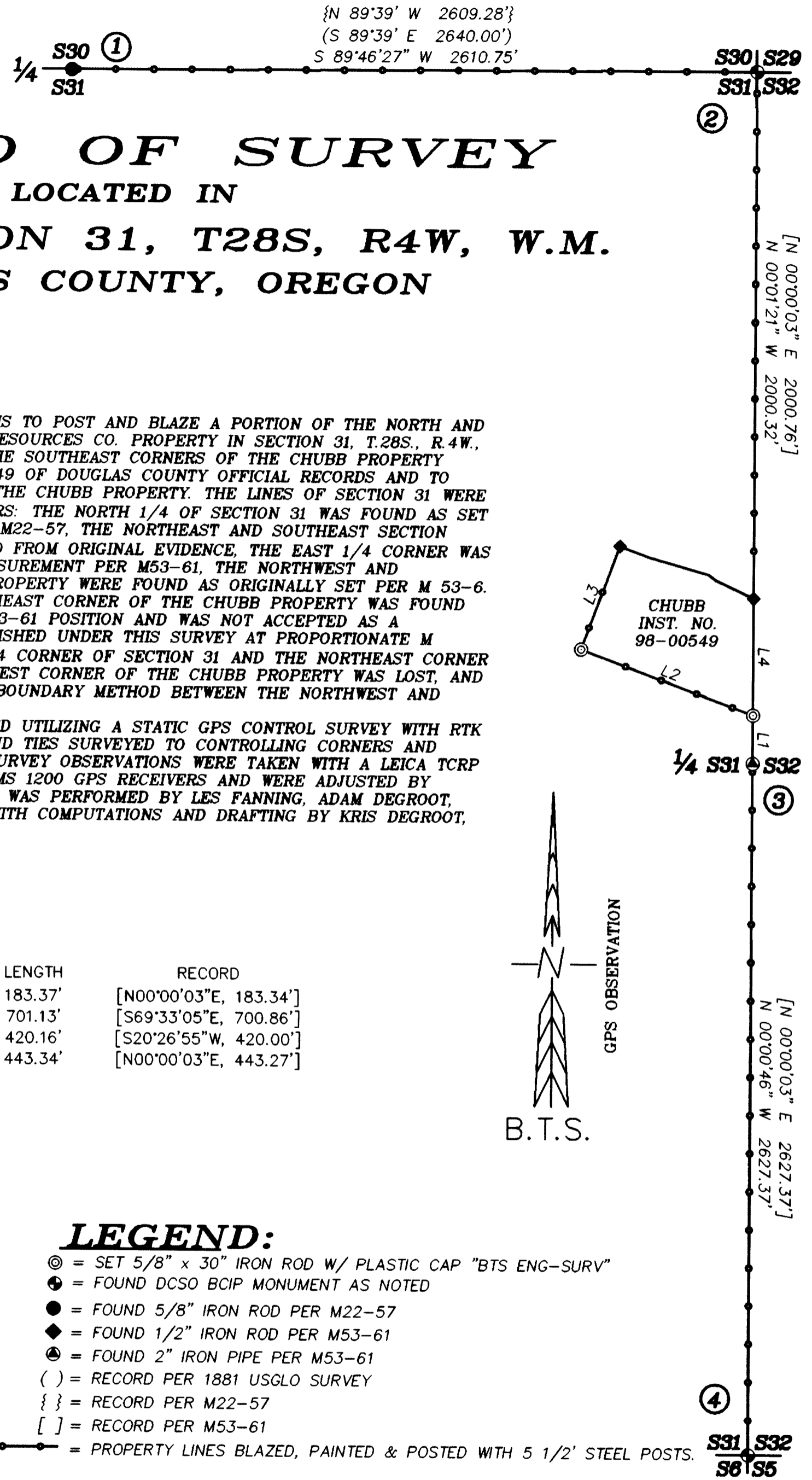
- ⊙ = SET 5/8" x 30" IRON ROD W/ PLASTIC CAP "BTS ENG-SURV"
- ⊕ = FOUND DCSO BCIP MONUMENT AS NOTED
- = FOUND 5/8" IRON ROD PER M22-57
- ◆ = FOUND 1/2" IRON ROD PER M53-61
- ⊙ = FOUND 2" IRON PIPE PER M53-61
- () = RECORD PER 1881 USGLO SURVEY
- { } = RECORD PER M22-57
- [] = RECORD PER M53-61
- = PROPERTY LINES BLAZED, PAINTED & POSTED WITH 5 1/2' STEEL POSTS.

REGISTERED
PROFESSIONAL
LAND SURVEYOR
Kristian O. Degroot
OREGON
JULY 17, 1981
KRISTIAN O. DEGROOT
1941
RENEWAL DATE: 12-31-07

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

SCALE: 1" = 400'	FOR: ROSEBURG RESOURCES CO. PO BOX 1088 ROSEBURG, OR 97470	JOB #: 06-114 FILE: FROZEN CR.DWG SHEET 1 OF 1
DATE: FEB. 5, 2007		

FILED
Date: 2/5/2007 By: NW
This survey consists of:
Map: M 152-26
Narrative:
Corner Rpt:
DOUGLAS COUNTY
SURVEYOR



MAP FILE M152-26

MAP FILE M152-26