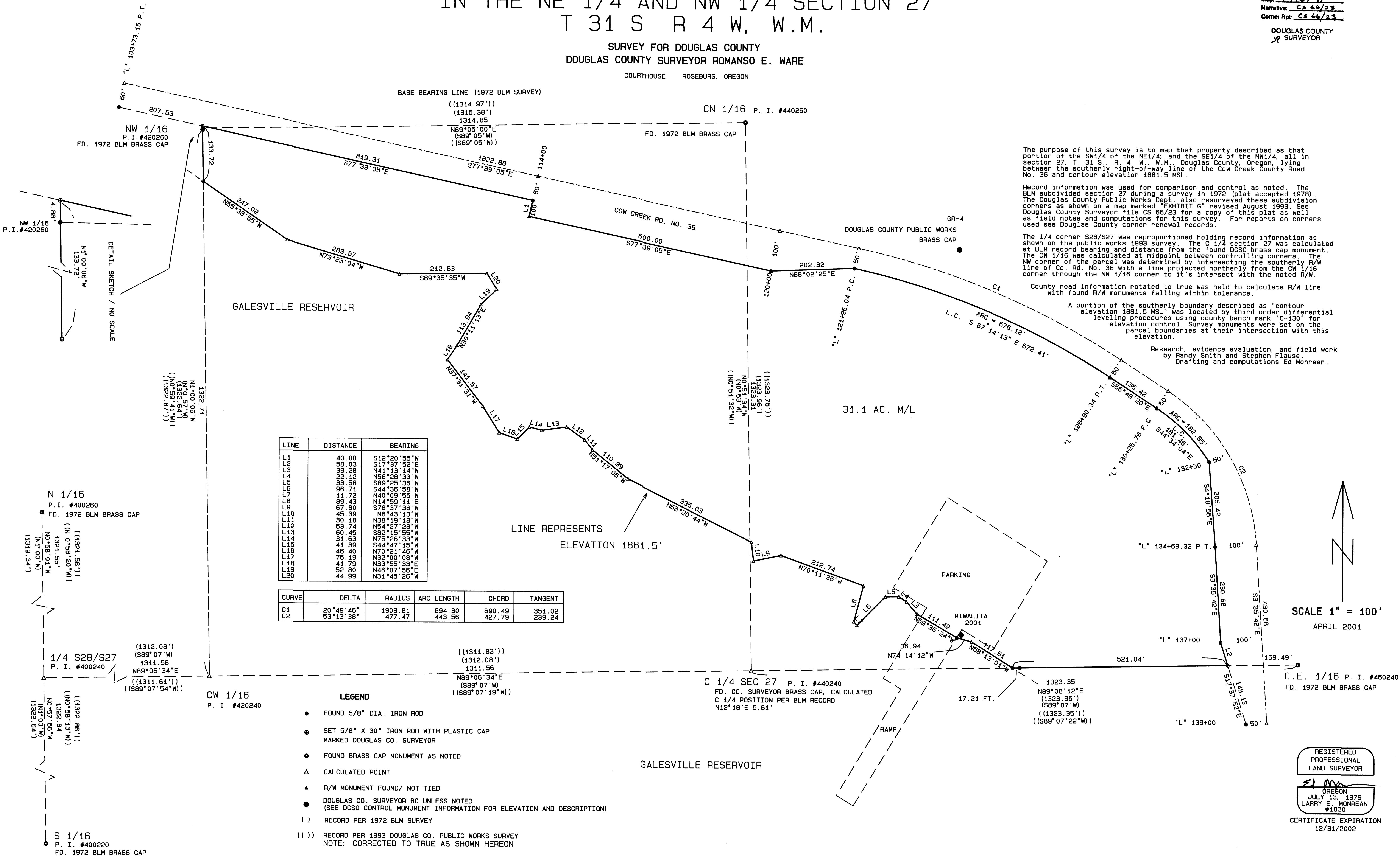


MAP OF SURVEY IN THE NE 1/4 AND NW 1/4 SECTION 27 T 31 S R 4 W, W.M.

SURVEY FOR DOUGLAS COUNTY
DOUGLAS COUNTY SURVEYOR ROMANSO E. WARE
COURTHOUSE ROSEBURG, OREGON

FILED
Date: 5/14/2001 By: JP
This survey consists of:
Map: M137-8
Narrative: CS 66/23
Corner Rpt: CS 66/23
DOUGLAS COUNTY
SURVEYOR



The purpose of this survey is to map that property described as that portion of the SW 1/4 of the NE 1/4; and the SE 1/4 of the NW 1/4, all in section 27, T. 31 S., R. 4 W., W.M., Douglas County, Oregon, lying between the southerly right-of-way line of the Cow Creek County Road No. 36 and contour elevation 1881.5 MSL.

Record information was used for comparison and control as noted. The BLM subdivided section 27 during a survey in 1972 (plat accepted 1978). The Douglas County Public Works Dept. also resurveyed these subdivision corners as shown on a map marked "EXHIBIT G" revised August 1993. See Douglas County Surveyor file CS 66/23 for a copy of this plat as well as field notes and computations for this survey. For reports on corners used see Douglas County corner renewal records.

The 1/4 corner S28/S27 was reproportioned holding record information as shown on the public works 1993 survey. The C 1/4 section 27 was calculated at BLM record bearing and distance from the found DCSO brass cap monument. The CW 1/16 was calculated at midpoint between controlling corners. The NW corner of the parcel was determined by intersecting the southerly R/W line of Co. Rd. No. 36 with a line projected northerly from the CW 1/16 corner through the NW 1/16 corner to its intersect with the noted R/W.

County road information rotated to true was held to calculate R/W line with found R/W monuments falling within tolerance.

A portion of the southerly boundary described as "contour elevation 1881.5 MSL" was located by third order differential leveling procedures using county bench mark "C-130" for elevation control. Survey monuments were set on the parcel boundaries at their intersection with this elevation.

Research, evidence evaluation, and field work by Randy Smith and Stephen Flause.
Drafting and computations Ed Monrean.

LINE	DISTANCE	BEARING
L1	40.00	S12°20'55"W
L2	58.03	S17°37'52"E
L3	39.28	N41°13'14"W
L4	22.12	N56°28'33"W
L5	33.96	S89°25'36"W
L6	96.71	S44°36'58"W
L7	11.72	N40°09'55"W
L8	89.43	N14°59'11"E
L9	67.80	S78°37'36"W
L10	45.39	N6°43'13"W
L11	30.18	N38°19'18"W
L12	53.74	N54°27'28"W
L13	60.45	S82°15'55"W
L14	31.63	N75°26'33"W
L15	41.39	S44°47'15"W
L16	46.40	N70°21'46"W
L17	75.19	N32°00'08"W
L18	41.79	N33°59'33"E
L19	52.80	N46°07'56"E
L20	44.99	N31°45'26"W

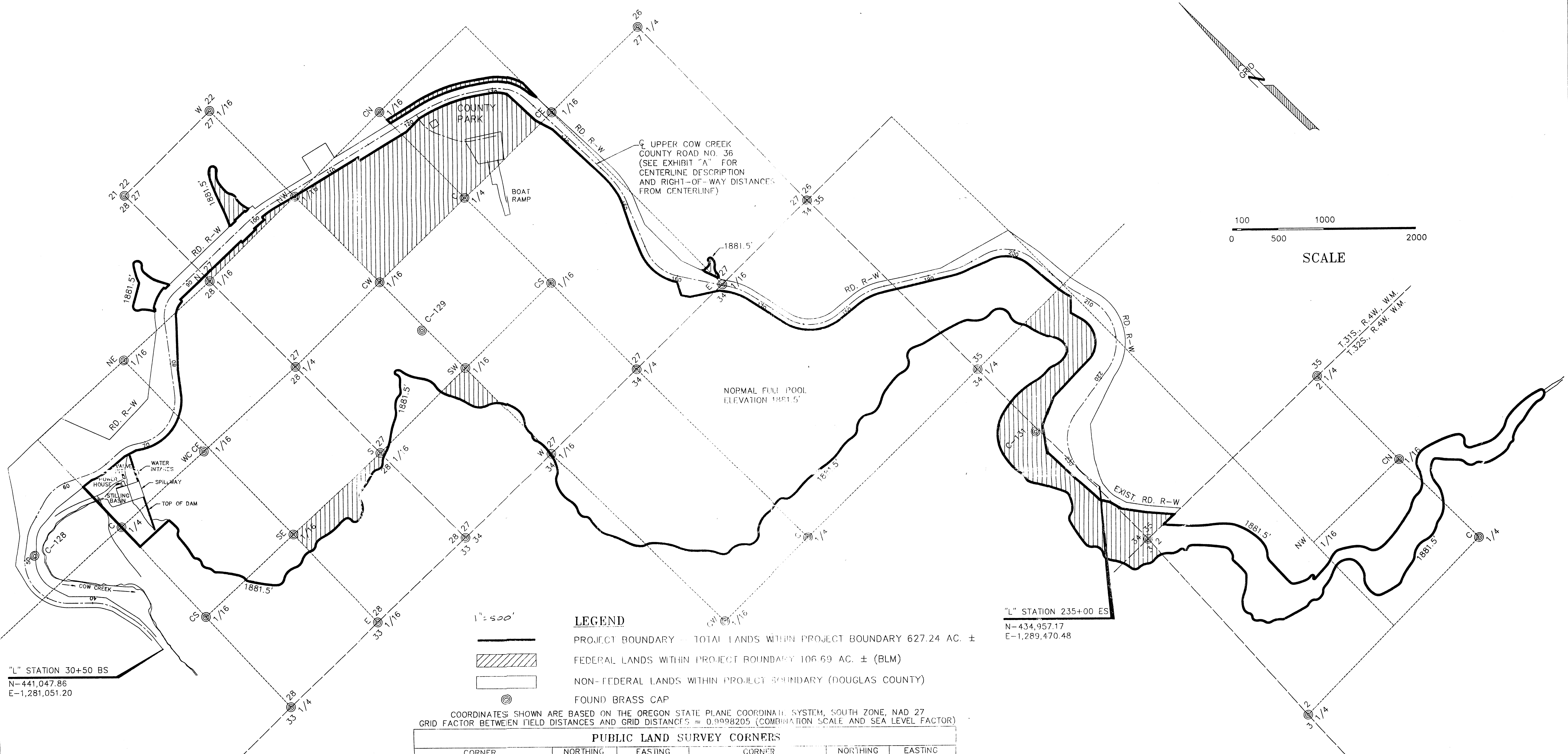
CURVE	DELTA	RADIUS	ARC LENGTH	CHORD	TANGENT
C1	20°49'46"	1909.81	694.30	690.49	351.02
C2	53°13'38"	477.47	443.56	427.79	239.24

- LEGEND**
- FOUND 5/8" DIA. IRON ROD
 - ⊙ SET 5/8" X 30" IRON ROD WITH PLASTIC CAP MARKED DOUGLAS CO. SURVEYOR
 - FOUND BRASS CAP MONUMENT AS NOTED
 - △ CALCULATED POINT
 - ▲ R/W MONUMENT FOUND/ NOT TIED
 - DOUGLAS CO. SURVEYOR BC UNLESS NOTED (SEE DCSO CONTROL MONUMENT INFORMATION FOR ELEVATION AND DESCRIPTION)
 - () RECORD PER 1972 BLM SURVEY
 - (() RECORD PER 1993 DOUGLAS CO. PUBLIC WORKS SURVEY
- NOTE: CORRECTED TO TRUE AS SHOWN HEREON

SCALE 1" = 100'
APRIL 2001

REGISTERED PROFESSIONAL LAND SURVEYOR
LARRY E. MONREAN
#1830
CERTIFICATE EXPIRATION 12/31/2002

SECTIONS 27, 28, 34 & 35, T.31S., R.4W., W.M. AND SECTIONS 2 & 3, T.32S., R.4W., W.M.



LEGEND

- PROJECT BOUNDARY - TOTAL LANDS WITHIN PROJECT BOUNDARY 627.24 AC. ±
- FEDERAL LANDS WITHIN PROJECT BOUNDARY 106.69 AC. ± (BLM)
- NON-FEDERAL LANDS WITHIN PROJECT BOUNDARY (DOUGLAS COUNTY)
- FOUND BRASS CAP

COORDINATES SHOWN ARE BASED ON THE OREGON STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD 27
 GRID FACTOR BETWEEN FIELD DISTANCES AND GRID DISTANCES = 0.9998205 (COMBINATION SCALE AND SEA LEVEL FACTOR)

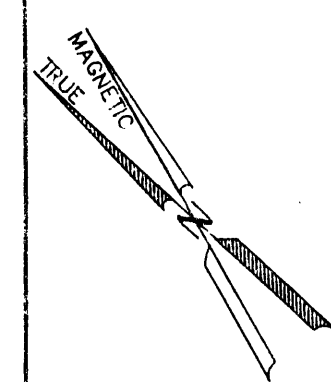
PUBLIC LAND SURVEY CORNERS

CORNER	NORTHING	EASTING	CORNER	NORTHING	EASTING
SEC. COR. 21, 22, 27, 28	444,804.55	1,284,310.26	SEC. COR. 26, 27, 34, 35	439,429.46	1,289,486.55
W1/16 22, 27	444,786.71	1,285,621.79	NE1/16 28	443,559.26	1,283,014.16
N1/16 27, 28	443,487.98	1,284,290.84	C1/4 28	442,304.07	1,281,664.79
NW1/16 27	443,467.83	1,285,601.65	WC CE1/16 28	442,238.91	1,282,917.27
CN1/16 27	443,447.43	1,286,916.34	CS1/16 28	440,956.95	1,281,632.46
1/4 27, 28	442,166.66	1,284,271.62	SE1/16 28	440,900.72	1,282,942.62
CW1/16 27	442,145.21	1,285,582.93	W1/16 28, 33	439,625.14	1,280,241.05
C1/4 27 (BLM BRASS CAP)	442,123.98	1,286,894.47	1/4 28, 33	439,610.21	1,281,580.27
C1/4 27 (DCSO BRASS CAP)	442,118.85	1,286,912.99	E1/16 28, 33	439,569.14	1,282,908.40
CE1/16 27	442,102.54	1,288,217.53	CW1/16 34	436,863.81	1,285,356.32
1/4 26, 27	442,080.46	1,289,541.75	C1/4 34	436,843.42	1,286,851.49
S1/16 27, 28	440,844.06	1,284,252.34	1/4 34, 35	436,799.90	1,289,463.01
SW1/16 27	440,822.51	1,285,563.01	SEC. COR. 2, 3, 34, 35	434,170.12	1,289,439.66
CS1/16 27	440,801.96	1,286,873.03	1/4 2, 35	434,087.10	1,292,002.82
SEC. COR. 27, 28, 33, 34	439,524.98	1,284,233.11	CN1/16 2	432,816.78	1,291,577.19
W1/16 27, 34	439,502.74	1,285,542.90	1/4 2, 3	431,577.87	1,289,253.59
1/4 27, 34	439,480.09	1,286,851.16	C1/4 2	431,588.77	1,291,972.36
E1/16 27, 34	439,454.84	1,288,172.40			

GEODETIC CONTROL POINTS

C-128	442,761.10	1,280,800.44	C-131	435,876.19	1,289,470.48
C-129	441,448.05	1,285,526.80			

MAG. DECL. = 17' 36"



DOUGLAS COUNTY, OREGON
 PUBLIC WORKS DEPARTMENT
 GALESVILLE PROJECT
 FERC NO. 7161
 EXHIBIT "G"
 PROJECT BOUNDARY MAP
 REVISED AUGUST 1993